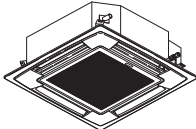
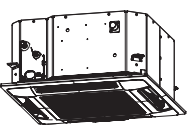
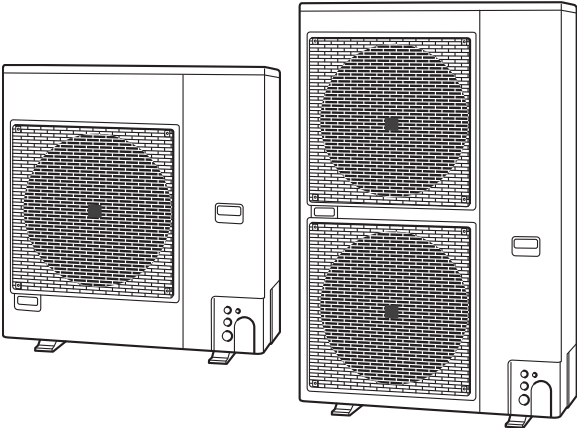
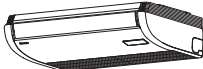
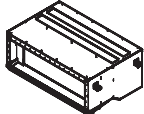


## TECHNICAL DATA & SERVICE MANUAL

# R410A

## INVERTER

| Indoor Unit                                                                                                                                                                                             | Outdoor Unit                                                                        |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|   4-Way Cassette                      |  |
|  Ceiling                                                                                                               |                                                                                     |
|  Wall Mounted                                                                                                        |                                                                                     |
|   Low Silhouette Ducted<br>Ducted |                                                                                     |

### ■ R410A Models

#### Model No.

#### Indoor Units

| Type | Indoor Units Type     | 36         | 45         | 50         | 60         | 71         | 100         | 125         | 140         |
|------|-----------------------|------------|------------|------------|------------|------------|-------------|-------------|-------------|
| U1   | 4-Way Cassette        | S-36PU1E5A | S-45PU1E5A | S-50PU1E5A | S-60PU1E5A | S-71PU1E5A | S-100PU1E5A | S-125PU1E5A | S-140PU1E5A |
| T2   | Ceiling               | S-36PT2E5A | S-45PT2E5A | S-50PT2E5A | S-60PT2E5A | S-71PT2E5A | S-100PT2E5A | S-125PT2E5A | S-140PT2E5A |
| K1   | Wall Mounted          | S-36PK1E5A | S-45PK1E5A | S-50PK1E5A | S-60PK1E5A | S-71PK1E5A | S-100PK1E5A | –           | –           |
| F1   | Low Silhouette Ducted | S-36PF1E5A | S-45PF1E5A | S-50PF1E5A | S-60PF1E5A | S-71PF1E5A | S-100PF1E5A | S-125PF1E5A | S-140PF1E5A |
| N1   | Ducted                | S-36PN1E5A | S-45PN1E5A | S-50PN1E5A | S-60PN1E5A | S-71PN1E5A | S-100PN1E5A | S-125PN1E5A | S-140PN1E5A |

#### Outdoor Units

| Type | Outdoor Units Type     | 50        | 60         | 71         | 100         | 125         | 140         |
|------|------------------------|-----------|------------|------------|-------------|-------------|-------------|
| PE1  | Single Split (1-phase) | U-50PE1E5 | U-60PE1E5A | U-71PE1E5A | U-100PE1E5A | U-125PE1E5A | U-140PE1E5A |
|      | Single Split (3-phase) | –         | –          | U-71PE1E8A | U-100PE1E8A | U-125PE1E8A | U-140PE1E8A |
| PEY1 | Single Split (1-phase) | –         | U-60PEY1E5 | U-71PEY1E5 | U-100PEY1E5 | U-125PEY1E5 | –           |
|      | Single Split (3-phase) | –         | –          | –          | U-100PEY1E8 | U-125PEY1E8 | U-140PEY1E8 |

## Check of Density Limit

The room in which the air conditioner is to be installed requires a design that in the event of refrigerant gas leaking out, its density will not exceed a set limit.

The refrigerant (R410A), which is used in the air conditioner, is safe, without the toxicity or combustibility of ammonia, and is not restricted by laws imposed to protect the ozone layer. However, since it contains more than air, it poses the risk of suffocation if its density should rise excessively. Suffocation from leakage of refrigerant is almost non-existent. With the recent increase in the number of high density buildings, however, the installation of multi air conditioner systems is on the increase because of the need for effective use of floor space, individual control, and energy conservation by curtailing heat and carrying power, etc.

Most importantly, the multi air conditioner system is able to replenish a large amount of refrigerant compared to conventional individual air conditioners. If a single unit of the multi air conditioner system is to be installed in a small room, select a suitable model and installation procedure so that if the refrigerant accidentally leaks out, its density does not reach the limit (and in the event of an emergency, measures can be made before injury can occur).

In a room where the density may exceed the limit, create an opening with adjacent rooms, or install mechanical ventilation combined with a gas leak detection device. The density is as given below.

### Total amount of refrigerant (kg)

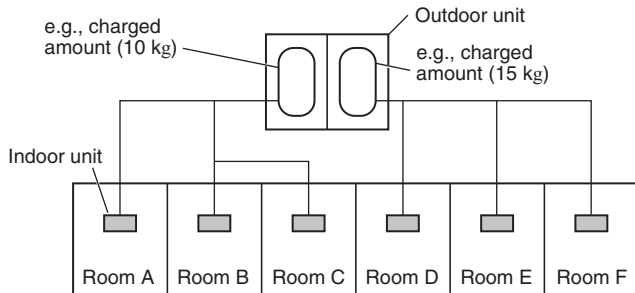
$$\text{Min. volume of the indoor unit installed room (m}^3\text{)} \leq \text{Density limit (kg/m}^3\text{)}$$

The density limit of refrigerant which is used in multi air conditioners is 0.3 kg/m<sup>3</sup> (ISO 5149).

### NOTE

- If there are 2 or more refrigerating systems in a single refrigerating device, the amount of refrigerant should be as charged in each independent device.

For the amount of charge in this example:



The possible amount of leaked refrigerant gas in rooms A, B and C is 10 kg.

The possible amount of leaked refrigerant gas in rooms D, E and F is 15 kg.



### RoHS

This product does not contain any hazardous substances prohibited by the RoHS Directive.

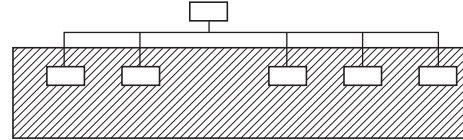


### WARNING

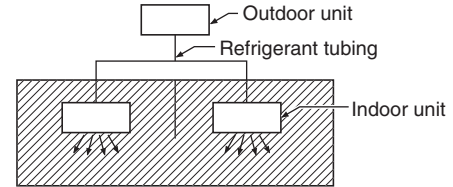
You are requested to use RoHS compliant for maintenance or repair.

- The standards for minimum room volume are as follows.

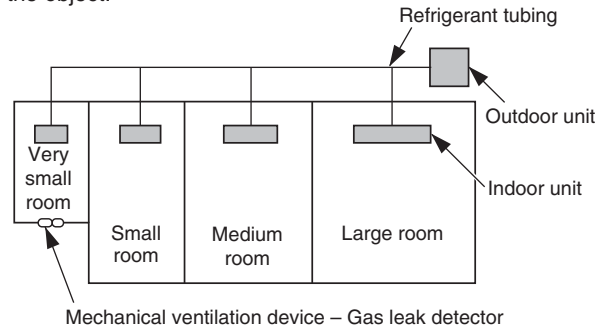
- (1) No partition (shaded portion)



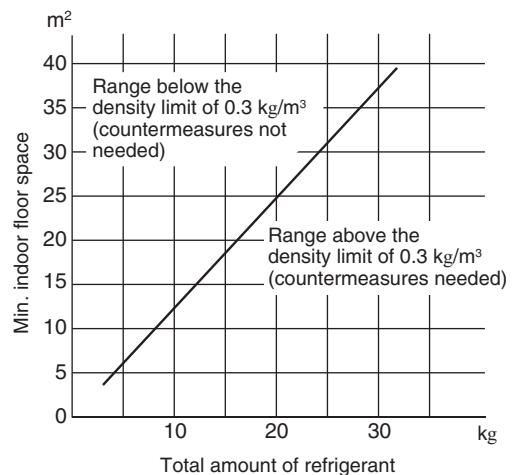
- (2) When there is an effective opening with the adjacent room for ventilation of leaking refrigerant gas (opening without a door, or an opening 0.15% or larger than the respective floor spaces at the top or bottom of the door).



- (3) If an indoor unit is installed in each partitioned room and the refrigerant tubing is interconnected, the smallest room of course becomes the object. But when mechanical ventilation is installed interlocked with a gas leakage detector in the smallest room where the density limit is exceeded, the volume of the next smallest room becomes the object.



- The minimum indoor floor space compared with the amount of refrigerant is roughly as follows (for room with 2.7 m high ceiling):



## IMPORTANT INFORMATION REGARDING THE REFRIGERANT USED

This product contains fluorinated greenhouse gases covered by the Kyoto Protocol. Do not vent gases into the atmosphere.

Refrigerant type: R410A

GWP<sup>(1)</sup> value: 1975

<sup>(1)</sup>GWP = global warming potential

Periodical inspections for refrigerant leaks may be required depending on European or local legislation.  
Please contact your local dealer for more information.

Please fill in with indelible ink,

- ① the factory refrigerant charge of the product
  - ② the additional refrigerant amount charged in the field and
  - ① + ② the total refrigerant charge
- on the refrigerant charge label supplied with the product.

The filled out label must be adhered in the proximity of the product charging port (e.g. onto the inside of the service cover).

The diagram shows a rectangular label with a black border. At the top left is a small icon of a document. To its right is the text: "This product contains fluorinated greenhouse gases covered by the Kyoto Protocol." Below this is a large black box with "R410A" in white. To the right of "R410A" are three rows of input fields, each followed by "kg". The first row is "① = [ ] kg", the second is "② = [ ] kg", and the third is "① + ② = [ ] kg". To the left of these fields is a diagram of a charging manifold with two ports labeled ① and ②. Port ① is connected to a grid-like outdoor unit. Port ② is connected to a refrigerant cylinder. Below the manifold diagram are two callout numbers: 5 pointing to the outdoor unit and 6 pointing to the refrigerant cylinder. To the right of the label, numbers 1, 2, and 3 point to the three input fields respectively. To the far right, number 4 points to the top text, and number 6 points to the manifold diagram.

\* English text printed on this label is original. Each language label will be sealed on this original text.

1. Factory refrigerant charge of the product: see unit name plate
2. Additional refrigerant amount charged in the field
3. Total refrigerant charge
4. Contains fluorinated greenhouse gases covered by the Kyoto Protocol
5. Outdoor unit
6. Refrigerant cylinder and manifold for charging

## Combination of Indoor and Outdoor Units

**PE1**

### Single-phase

|           | 36                                | 45                                | 50                                | 60                                | 71                                | 100                             | 125                             | 140                             |
|-----------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|---------------------------------|---------------------------------|---------------------------------|
| <b>U1</b> | S-36PU1E5A x2<br>U-71PE1E5A P2    | S-45PU1E5A x3<br>U-125PE1E5A P5   | S-50PU1E5A<br>U-50PE1E5 P6        | S-60PU1E5A<br>U-60PE1E5A P9       | S-71PU1E5A<br>U-71PE1E5A P11      | S-100PU1E5A<br>U-100PE1E5A P13  | S-125PU1E5A<br>U-125PE1E5A P14  | S-140PU1E5A<br>U-140PE1E5A P15  |
|           | S-36PU1E5A x3<br>U-100PE1E5A P3   |                                   | S-50PU1E5A x2<br>U-100PE1E5A P7   | S-60PU1E5A x2<br>U-125PE1E5A P10  | S-71PU1E5A x2<br>U-140PE1E5A P12  |                                 |                                 |                                 |
|           | S-36PU1E5A x4<br>U-125PE1E5A P4   |                                   | S-50PU1E5A x3<br>U-140PE1E5A P8   |                                   |                                   |                                 |                                 |                                 |
| <b>T2</b> | S-36PT2E5A x2<br>U-71PE1E5A P28   | S-45PT2E5A x3<br>U-125PE1E5A P31  | S-50PT2E5A<br>U-50PE1E5 P32       | S-60PT2E5A<br>U-60PE1E5A P35      | S-71PT2E5A<br>U-71PE1E5A P37      | S-100PT2E5A<br>U-100PE1E5A P39  | S-125PT2E5A<br>U-125PE1E5A P40  | S-140PT2E5A<br>U-140PE1E5A P41  |
|           | S-36PT2E5A x3<br>U-100PE1E5A P29  |                                   | S-50PT2E5A x2<br>U-100PE1E5A P33  | S-60PT2E5A x2<br>U-125PE1E5A P36  | S-71PT2E5A x2<br>U-140PE1E5A P38  |                                 |                                 |                                 |
|           | S-36PT2E5A x4<br>U-125PE1E5A P30  |                                   | S-50PT2E5A x3<br>U-140PE1E5A P34  |                                   |                                   |                                 |                                 |                                 |
| <b>K1</b> | S-36PK1E5A x2<br>U-71PE1E5A P54   | S-45PK1E5A x3<br>U-125PE1E5A P57  | S-50PK1E5A<br>U-50PE1E5 P58       | S-60PK1E5A<br>U-60PE1E5A P61      | S-71PK1E5A<br>U-71PE1E5A P63      | S-100PK1E5A<br>U-100PE1E5A P65  |                                 |                                 |
|           | S-36PK1E5A x3<br>U-100PE1E5A P55  |                                   | S-50PK1E5A x2<br>U-100PE1E5A P59  | S-60PK1E5A x2<br>U-125PE1E5A P62  | S-71PK1E5A x2<br>U-140PE1E5A P64  |                                 |                                 |                                 |
|           | S-36PK1E5A x4<br>U-125PE1E5A P56  |                                   | S-50PK1E5A x3<br>U-140PE1E5A P60  |                                   |                                   |                                 |                                 |                                 |
| <b>F1</b> | S-36PF1E5A x2<br>U-71PE1E5A P76   | S-45PF1E5A x3<br>U-125PE1E5A P79  | S-50PF1E5A<br>U-50PE1E5 P80       | S-60PF1E5A<br>U-60PE1E5A P83      | S-71PF1E5A<br>U-71PE1E5A P85      | S-100PF1E5A<br>U-100PE1E5A P87  | S-125PF1E5A<br>U-125PE1E5A P88  | S-140PF1E5A<br>U-140PE1E5A P89  |
|           | S-36PF1E5A x3<br>U-100PE1E5A P77  |                                   | S-50PF1E5A x2<br>U-100PE1E5A P81  | S-60PF1E5A x2<br>U-125PE1E5A P84  | S-71PF1E5A x2<br>U-140PE1E5A P86  |                                 |                                 |                                 |
|           | S-36PF1E5A x4<br>U-125PE1E5A P78  |                                   | S-50PF1E5A x3<br>U-140PE1E5A P82  |                                   |                                   |                                 |                                 |                                 |
| <b>N1</b> | S-36PN1E5A x2<br>U-71PE1E5A P102  | S-45PN1E5A x3<br>U-125PE1E5A P105 | S-50PN1E5A<br>U-50PE1E5 P106      | S-60PN1E5A<br>U-60PE1E5A P109     | S-71PN1E5A<br>U-71PE1E5A P111     | S-100PN1E5A<br>U-100PE1E5A P113 | S-125PN1E5A<br>U-125PE1E5A P114 | S-140PN1E5A<br>U-140PE1E5A P115 |
|           | S-36PN1E5A x3<br>U-100PE1E5A P103 |                                   | S-50PN1E5A x2<br>U-100PE1E5A P107 | S-60PN1E5A x2<br>U-125PE1E5A P110 | S-71PN1E5A x2<br>U-140PE1E5A P112 |                                 |                                 |                                 |
|           | S-36PN1E5A x4<br>U-125PE1E5A P104 |                                   | S-50PN1E5A x3<br>U-140PE1E5A P108 |                                   |                                   |                                 |                                 |                                 |

## Combination of Indoor and Outdoor Units

**PE1**

### 3-phase

|           | 36                                | 45                                | 50                                | 60                                | 71                                | 100                             | 125                             | 140                             |
|-----------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|---------------------------------|---------------------------------|---------------------------------|
| <b>U1</b> | S-36PU1E5A x2<br>U-71PE1E8A P16   | S-45PU1E5A x3<br>U-125PE1E8A P19  | S-50PU1E5A x2<br>U-100PE1E8A P20  | S-60PU1E5A x2<br>U-125PE1E8A P22  | S-71PU1E5A<br>U-71PE1E8A P23      | S-100PU1E5A<br>U-100PE1E8A P25  | S-125PU1E5A<br>U-125PE1E8A P26  | S-140PU1E5A<br>U-140PE1E8A P27  |
|           | S-36PU1E5A x3<br>U-100PE1E8A P17  |                                   | S-50PU1E5A x3<br>U-140PE1E8A P21  |                                   | S-71PU1E5A x2<br>U-140PE1E8A P24  |                                 |                                 |                                 |
|           | S-36PU1E5A x4<br>U-125PE1E8A P18  |                                   |                                   |                                   |                                   |                                 |                                 |                                 |
| <b>T2</b> | S-36PT2E5A x2<br>U-71PE1E8A P42   | S-45PT2E5A x3<br>U-125PE1E8A P45  | S-50PT2E5A x2<br>U-100PE1E8A P46  | S-60PT2E5A x2<br>U-125PE1E8A P48  | S-71PT2E5A<br>U-71PE1E8A P49      | S-100PT2E5A<br>U-100PE1E8A P51  | S-125PT2E5A<br>U-125PE1E8A P52  | S-140PT2E5A<br>U-140PE1E8A P53  |
|           | S-36PT2E5A x3<br>U-100PE1E8A P43  |                                   | S-50PT2E5A x3<br>U-140PE1E8A P47  |                                   | S-71PT2E5A x2<br>U-140PE1E8A P50  |                                 |                                 |                                 |
|           | S-36PT2E5A x4<br>U-125PE1E8A P44  |                                   |                                   |                                   |                                   |                                 |                                 |                                 |
| <b>K1</b> | S-36PK1E5A x2<br>U-71PE1E8A P66   | S-45PK1E5A x3<br>U-125PE1E8A P69  | S-50PK1E5A x2<br>U-100PE1E8A P70  | S-60PK1E5A x2<br>U-125PE1E8A P72  | S-71PK1E5A<br>U-71PE1E8A P73      | S-100PK1E5A<br>U-100PE1E8A P75  |                                 |                                 |
|           | S-36PK1E5A x3<br>U-100PE1E8A P67  |                                   | S-50PK1E5A x3<br>U-140PE1E8A P71  |                                   | S-71PK1E5A x2<br>U-140PE1E8A P74  |                                 |                                 |                                 |
|           | S-36PK1E5A x4<br>U-125PE1E8A P68  |                                   |                                   |                                   |                                   |                                 |                                 |                                 |
| <b>F1</b> | S-36PF1E5A x2<br>U-71PE1E8A P90   | S-45PF1E5A x3<br>U-125PE1E8A P93  | S-50PF1E5A x2<br>U-100PE1E8A P94  | S-60PF1E5A x2<br>U-125PE1E8A P96  | S-71PF1E5A<br>U-71PE1E8A P97      | S-100PF1E5A<br>U-100PE1E8A P99  | S-125PF1E5A<br>U-125PE1E8A P100 | S-140PF1E5A<br>U-140PE1E8A P101 |
|           | S-36PF1E5A x3<br>U-100PE1E8A P91  |                                   | S-50PF1E5A x3<br>U-140PE1E8A P95  |                                   | S-71PF1E5A x2<br>U-140PE1E8A P98  |                                 |                                 |                                 |
|           | S-36PF1E5A x4<br>U-125PE1E8A P92  |                                   |                                   |                                   |                                   |                                 |                                 |                                 |
| <b>N1</b> | S-36PN1E5A x2<br>U-71PE1E8A P116  | S-45PN1E5A x3<br>U-125PE1E8A P119 | S-50PN1E5A x2<br>U-100PE1E8A P120 | S-60PN1E5A x2<br>U-125PE1E8A P122 | S-71PN1E5A<br>U-71PE1E8A P123     | S-100PN1E5A<br>U-100PE1E8A P125 | S-125PN1E5A<br>U-125PE1E8A P126 | S-140PN1E5A<br>U-140PE1E8A P127 |
|           | S-36PN1E5A x3<br>U-100PE1E8A P117 |                                   | S-50PN1E5A x3<br>U-140PE1E8A P121 |                                   | S-71PN1E5A x2<br>U-140PE1E8A P124 |                                 |                                 |                                 |
|           | S-36PN1E5A x4<br>U-125PE1E8A P118 |                                   |                                   |                                   |                                   |                                 |                                 |                                 |

## Combination of Indoor and Outdoor Units

**PEY1**

### Single-phase

|           | 36                               | 50                                | 60                                | 71                            | 100                             | 125                             | 140 |
|-----------|----------------------------------|-----------------------------------|-----------------------------------|-------------------------------|---------------------------------|---------------------------------|-----|
| <b>U1</b> | S-36PU1E5A x2<br>U-71PEY1E5 P128 | S-50PU1E5A x2<br>U-100PEY1E5 P129 | S-60PU1E5A<br>U-60PEY1E5 P130     | S-71PU1E5A<br>U-71PEY1E5 P132 | S-100PU1E5A<br>U-100PEY1E5 P133 | S-125PU1E5A<br>U-125PEY1E5 P134 |     |
|           |                                  |                                   | S-60PU1E5A x2<br>U-125PEY1E5 P131 |                               |                                 |                                 |     |
| <b>T2</b> | S-36PT2E5A x2<br>U-71PEY1E5 P141 | S-50PT2E5A x2<br>U-100PEY1E5 P142 | S-60PT2E5A<br>U-60PEY1E5 P143     | S-71PT2E5A<br>U-71PEY1E5 P145 | S-100PT2E5A<br>U-100PEY1E5 P146 | S-125PT2E5A<br>U-125PEY1E5 P147 |     |
|           |                                  |                                   | S-60PT2E5A x2<br>U-125PEY1E5 P144 |                               |                                 |                                 |     |
| <b>K1</b> | S-36PK1E5A x2<br>U-71PEY1E5 P154 | S-50PK1E5A x2<br>U-100PEY1E5 P155 | S-60PK1E5A<br>U-60PEY1E5 P156     | S-71PK1E5A<br>U-71PEY1E5 P158 | S-100PK1E5A<br>U-100PEY1E5 P159 |                                 |     |
|           |                                  |                                   | S-60PK1E5A x2<br>U-125PEY1E5 P157 |                               |                                 |                                 |     |
| <b>F1</b> | S-36PF1E5A x2<br>U-71PEY1E5 P164 | S-50PF1E5A x2<br>U-100PEY1E5 P165 | S-60PF1E5A<br>U-60PEY1E5 P166     | S-71PF1E5A<br>U-71PEY1E5 P168 | S-100PF1E5A<br>U-100PEY1E5 P169 | S-125PF1E5A<br>U-125PEY1E5 P170 |     |
|           |                                  |                                   | S-60PF1E5A x2<br>U-125PEY1E5 P167 |                               |                                 |                                 |     |
| <b>N1</b> | S-36PN1E5A x2<br>U-71PEY1E5 P177 | S-50PN1E5A x2<br>U-100PEY1E5 P178 | S-60PN1E5A<br>U-60PEY1E5 P179     | S-71PN1E5A<br>U-71PEY1E5 P181 | S-100PN1E5A<br>U-100PEY1E5 P182 | S-125PN1E5A<br>U-125PEY1E5 P183 |     |
|           |                                  |                                   | S-60PN1E5A x2<br>U-125PEY1E5 P180 |                               |                                 |                                 |     |

### 3-phase

|           | 36 | 50                                | 60                                | 71                                | 100                             | 125                             | 140                             |
|-----------|----|-----------------------------------|-----------------------------------|-----------------------------------|---------------------------------|---------------------------------|---------------------------------|
| <b>U1</b> |    | S-50PU1E5A x2<br>U-100PEY1E8 P135 | S-60PU1E5A x2<br>U-125PEY1E8 P136 | S-71PU1E5A x2<br>U-140PEY1E8 P137 | S-100PU1E5A<br>U-100PEY1E8 P138 | S-125PU1E5A<br>U-125PEY1E8 P139 | S-140PU1E5A<br>U-140PEY1E8 P140 |
| <b>T2</b> |    | S-50PT2E5A x2<br>U-100PEY1E8 P148 | S-60PT2E5A x2<br>U-125PEY1E8 P149 | S-71PT2E5A x2<br>U-140PEY1E8 P150 | S-100PT2E5A<br>U-100PEY1E8 P151 | S-125PT2E5A<br>U-125PEY1E8 P152 | S-140PT2E5A<br>U-140PEY1E8 P153 |
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# 1. SPECIFICATIONS

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# Simultaneous (Twin) -Type

## 1-1. Unit Specifications

### PE1

#### 4. Low Silhouette Ducted Type S-36PF1E5A×2 / U-71PE1E5A

| INDOOR                                |                                   |                     | MODEL                                          |                            | S-36PF1E5A×2        |                                     |                |              |             |             |             |        |  |
|---------------------------------------|-----------------------------------|---------------------|------------------------------------------------|----------------------------|---------------------|-------------------------------------|----------------|--------------|-------------|-------------|-------------|--------|--|
| OUTDOOR                               |                                   |                     | MODEL                                          |                            |                     |                                     |                | U-71PE1E5A   |             |             |             |        |  |
| Branch pipe                           |                                   |                     | MODEL                                          |                            |                     |                                     |                | CZ-P155BK1   |             |             |             |        |  |
| PERFORMANCE TEST CONDITION            |                                   |                     | ISO13253 / EN14511 / EN14825 / EN12102         |                            |                     |                                     |                |              |             |             |             |        |  |
| POWER SUPPLY                          |                                   |                     | ø, Hz                                          |                            | 1ø 50Hz             |                                     |                | 1ø 50Hz      |             |             |             |        |  |
|                                       |                                   |                     | V                                              |                            | 220                 | 230                                 | 240            | 220          | 230         | 240         | Min         | Max    |  |
| C<br>O<br>O<br>L<br>I<br>N<br>G       | CAPACITY                          |                     | kW                                             |                            | 7.10                | 7.10                                | 7.10           |              |             |             | 2.5         | 8.0    |  |
|                                       |                                   |                     | BTU/h                                          |                            | 24200               | 24200                               | 24200          |              |             |             | 8500        | 27300  |  |
|                                       | CURRENT                           |                     | A                                              |                            | 0.60×2              | 0.57×2                              | 0.56×2         | 8.90         | 8.60        | 8.30        | -           | -      |  |
|                                       | INPUT POWER                       |                     | W                                              |                            | 70×2                | 70×2                                | 70×2           | 1.730k       | 1.730k      | 1.730k      | -           | -      |  |
|                                       |                                   |                     | TOTAL W                                        |                            |                     |                                     |                | 1.870k       | 1.870k      | 1.870k      | 530         | 2.650k |  |
|                                       | ANNUAL CONSUMPTION                |                     | TOTAL kWh ※4                                   |                            |                     |                                     |                | -            | 935         | -           | -           | -      |  |
|                                       | EER/EER CLASS                     |                     | TOTAL(W/W)※5/("A"~"G")                         |                            | -                   | -                                   | -              | 3.80         | 3.80 / A    | 3.80        | 4.72        | 3.02   |  |
|                                       | Erp<br>※6                         | Pdsign              | kW                                             | -                          | -                   | -                                   | -              | -            | 7.1         | -           |             |        |  |
|                                       |                                   | SEER                | (W/W)                                          | -                          | -                   | -                                   | -              | -            | 6.2         | -           |             |        |  |
|                                       |                                   | Annual consumption  | kWh                                            | -                          | -                   | -                                   | -              | -            | 401         | -           |             |        |  |
|                                       |                                   | Class               |                                                |                            | -                   | -                                   | -              | -            | A++         | -           |             |        |  |
| POWER FACTOR                          |                                   | %                   |                                                | -                          | -                   | -                                   | 96             | 95           | 94          | -           | -           |        |  |
| NOISE INDOOR (H/M/L)                  |                                   | dB-A                |                                                | 33/29/25                   |                     |                                     |                |              |             |             |             |        |  |
|                                       |                                   | Power Level dB      |                                                | 55/51/47                   |                     |                                     |                |              |             |             |             |        |  |
| NOISE OUTDOOR (H/L)                   |                                   | dB-A                |                                                |                            |                     |                                     | 48/-           |              |             |             |             |        |  |
|                                       |                                   | Power Level dB      |                                                |                            |                     |                                     | 65/-           |              |             |             |             |        |  |
| H<br>E<br>A<br>T<br>I<br>N<br>G       | CAPACITY                          |                     | kW                                             |                            | 8.0                 | 8.0                                 | 8.0            |              |             |             | 2.0         | 9.0    |  |
|                                       |                                   |                     | BTU/h                                          |                            | 27300               | 27300                               | 27300          |              |             |             | 6800        | 30700  |  |
|                                       | CURRENT                           |                     | A                                              |                            | 0.60×2              | 0.57×2                              | 0.56×2         | 9.90         | 9.50        | 9.20        | -           | -      |  |
|                                       | INPUT POWER                       |                     | W                                              |                            | 70×2                | 70×2                                | 70×2           | 1.960k       | 1.960k      | 1.960k      | -           | -      |  |
|                                       |                                   |                     | TOTAL W                                        |                            |                     |                                     |                | 2.100k       | 2.100k      | 2.100k      | 480         | 2.900k |  |
|                                       | COP/COP CLASS                     |                     | TOTAL(W/W)※5/("A"~"G")                         |                            | -                   | -                                   | -              | 3.81         | 3.81 / A    | 3.81        | 4.17        | 3.10   |  |
|                                       | Erp<br>※6                         | Pdsign              | kW                                             | -                          | -                   | -                                   | -              | -            | 7.1         | -           |             |        |  |
|                                       |                                   | Tbivalen            | °C                                             | -                          | -                   | -                                   | -              | -            | -9          | -           |             |        |  |
|                                       |                                   | SCOP                | (W/W)                                          | -                          | -                   | -                                   | -              | -            | 4.0         | -           |             |        |  |
|                                       |                                   |                     | Annual consumption                             | kWh                        | -                   | -                                   | -              | -            | 2485        | -           |             |        |  |
|                                       |                                   | Class               |                                                |                            | -                   | -                                   | -              | -            | A+          | -           |             |        |  |
| POWER FACTOR                          |                                   | %                   |                                                | -                          | -                   | -                                   | 96             | 96           | 95          | -           | -           |        |  |
| NOISE INDOOR (H/M/L)                  |                                   | dB-A                |                                                | 33/29/25                   |                     |                                     |                |              |             | /           |             | /      |  |
|                                       |                                   | Power Level dB      |                                                | 55/51/47                   |                     |                                     |                |              |             |             |             |        |  |
| NOISE OUTDOOR (H/L)                   |                                   | dB-A                |                                                |                            |                     |                                     | 50/-           |              |             | /           |             | /      |  |
|                                       |                                   | Power Level dB      |                                                |                            |                     |                                     | 67/-           |              |             |             |             |        |  |
| EXTRA LOW TEMP                        |                                   |                     | Total CAPACITY(kW)/INPUT POWER(W)/COP          |                            |                     |                                     |                |              |             |             |             |        |  |
| MAX CURRENT(A)/MAX INPUT POWER(W)     |                                   |                     | 0.86×2/105×2                                   |                            | 0.82×2/105×2        |                                     | 0.79×2/105×2   |              | 18.0/3.800k | 18.0/3.930k | 18.0/4.060k | /      |  |
| STARTING CURRENT(A)/COMP OUTPUT(W)    |                                   |                     | -                                              |                            | -                   |                                     | -              |              | 9.90/2.0k   | 9.50/2.0k   | 9.20/2.0k   | /      |  |
| NETWORK IMPEDANCE (ΩMAX.)             |                                   |                     |                                                |                            |                     |                                     |                |              |             |             |             |        |  |
| FM OUTPUT (W)                         |                                   |                     | 120                                            |                            |                     |                                     |                |              |             |             |             | 90     |  |
| MOISTURE REMOVAL VOLUME               |                                   |                     | L/h(Pt/h)                                      |                            | 4.2 (2.1×2) (8.8)   |                                     |                |              |             |             |             |        |  |
| External static pressure              |                                   |                     | Pa                                             |                            | 70 (MIN10 - MAX150) |                                     |                |              |             |             |             |        |  |
| I/D AIR FLOW                          | COOL                              | m³/min (ft³/min)    |                                                | [14/13/10 (494/459/353)]×2 |                     |                                     |                |              |             |             |             |        |  |
|                                       | HEAT                              | m³/min (ft³/min)    |                                                | [14/13/10 (494/459/353)]×2 |                     |                                     |                |              |             |             |             |        |  |
| O/D AIR FLOW                          | COOL                              | m³/min (ft³/min)    |                                                |                            |                     |                                     | 60 (2119)      |              |             |             |             |        |  |
|                                       | HEAT                              | m³/min (ft³/min)    |                                                |                            |                     |                                     | 60 (2119)      |              |             |             |             |        |  |
| REFRIGERANT TYPE, AMOUNT g(oz)        |                                   |                     |                                                |                            |                     | R410A                               |                | 2.35k (82.9) |             |             |             | /      |  |
| P<br>R<br>O<br>M                      | D                                 | HEIGHT : H mm(inch) |                                                | 290 (11-13/32)             |                     |                                     | 996 (39-7/32)  |              |             |             |             | /      |  |
|                                       | I                                 | WIDTH : W mm(inch)  |                                                | 800 (31-1/2)               |                     |                                     | 940 (37-1/32)  |              |             |             |             | /      |  |
|                                       | M                                 | DEPTH : D mm(inch)  |                                                | 700 (27-9/16)              |                     |                                     | 340 (13-13/32) |              |             |             |             | /      |  |
| P<br>A<br>C<br>M                      | D                                 | HEIGHT : H mm       |                                                | 355                        |                     |                                     | 1136           |              |             |             |             | /      |  |
|                                       | I                                 | WIDTH : W mm        |                                                | 1014                       |                     |                                     | 1055           |              |             |             |             | /      |  |
|                                       | M                                 | DEPTH : D mm        |                                                | 850                        |                     |                                     | 485            |              |             |             |             | /      |  |
| MASS                                  | (NET) kg(lb)                      |                     | 28 (62)                                        |                            |                     | 69 (152)                            |                |              |             |             | /           |        |  |
|                                       | (GROSS) kg(lb)                    |                     | 35 (78)                                        |                            |                     | 77 (170)                            |                |              |             |             | /           |        |  |
| LAYERS LIMIT (actually)               |                                   |                     | 9 (10)                                         |                            |                     | 2 (3)                               |                |              |             |             |             |        |  |
| Operation                             |                                   | Cool O.D(DBT)       |                                                | 18°C ~ 32°C                |                     |                                     | -15°C ~ 46°C   |              |             |             |             |        |  |
| Condition                             |                                   | Heat O.D(DBT)       |                                                | 16°C ~ 30°C                |                     |                                     | -20°C ~ 24°C   |              |             |             |             |        |  |
| P<br>I<br>P<br>E<br>I<br>N<br>G       | PIPE DIAMETER mm (inch)           |                     | (Liquid)ø6.35(1/4) (Gas)ø12.7(1/2)             |                            |                     | (Liquid)ø9.52(3/8) (Gas)ø15.88(5/8) |                |              |             |             |             |        |  |
|                                       | CONNECT METHOD, STD LENGTH m (ft) |                     | flared type, 5.0(16.4)                         |                            |                     | flared type, 5.0(16.4)              |                |              |             |             |             |        |  |
|                                       | PIPE LENGTH RANGE m (ft)          |                     | 5 ~ 50 (16.4 ~ 164.0)                          |                            |                     |                                     |                |              | ~           |             | ~           |        |  |
|                                       | I/D&O/D HEIGHT DIFFERENCE m (ft)  |                     | 15 (OD located lower) / 30 (OD located higher) |                            |                     | (49.2/98.4)                         |                |              |             |             |             |        |  |
|                                       | ADD GAS AMOUNT g/m (oz/ft)        |                     | 50 (0.538)                                     |                            |                     |                                     |                |              |             |             |             |        |  |
| PIPE LENGTH FOR ADDITIONAL GAS m (ft) |                                   | 30 (98.4)           |                                                |                            |                     |                                     |                |              |             |             |             |        |  |

\*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m³/min.) shall be multiplied by 16.7 and rounded down the decimal point.

\*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.

\*3: Network Impedance shall be applicable for EUROPE and CHINA models.

\*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.

\*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.

\*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

# Simultaneous (Triple) -Type

## 1-1. Unit Specifications

### PE1

#### 4. Low Silhouette Ducted Type S-36PF1E5A×3 / U-100PE1E5A

| INDOOR                                               |                                   |                     | MODEL                                          |              | S-36PF1E5A×3 |                                     |             |             |          |        |       |        |
|------------------------------------------------------|-----------------------------------|---------------------|------------------------------------------------|--------------|--------------|-------------------------------------|-------------|-------------|----------|--------|-------|--------|
| OUTDOOR                                              |                                   |                     | MODEL                                          |              |              |                                     |             | U-100PE1E5A |          |        |       |        |
| Branch pipe                                          |                                   |                     | MODEL                                          |              |              |                                     |             | CZ-P3HPC2   |          |        |       |        |
| PERFORMANCE TEST CONDITION                           |                                   |                     | ISO13253 / EN14511 / EN14825 / EN12102         |              |              |                                     |             |             |          |        |       |        |
| POWER SUPPLY                                         |                                   |                     | ø, Hz                                          |              | 1ø 50Hz      |                                     |             | 1ø 50Hz     |          |        |       |        |
|                                                      |                                   |                     | V                                              |              | 220          | 230                                 | 240         | 220         | 230      | 240    | Min   | Max    |
| C<br>O<br>O<br>L<br>I<br>N<br>G                      | CAPACITY                          |                     | kW                                             |              | 10.0         | 10.0                                | 10.0        |             |          |        | 3.3   | 12.5   |
|                                                      |                                   |                     | BTU/h                                          |              | 34100        | 34100                               | 34100       |             |          |        | 11300 | 42700  |
|                                                      | CURRENT                           |                     | A                                              |              | 0.6×3        | 0.57×3                              | 0.56×3      | 11.0        | 10.6     | 10.3   | -     | -      |
|                                                      | INPUT POWER                       |                     | W                                              |              | 70×3         | 70×3                                | 70×3        | 2.245k      | 2.245k   | 2.245k | -     | -      |
|                                                      |                                   |                     | TOTAL W                                        |              | -            |                                     |             | 2.455k      | 2.455k   | 2.455k | 840   | 3.700k |
|                                                      | ANNUAL CONSUMPTION                |                     | TOTAL kWh ※4                                   |              | -            |                                     |             | -           | 1227.5   | -      | -     | -      |
|                                                      | EER/EER CLASS                     |                     | TOTAL(W/W)※5("A"~"G")                          |              | -            | -                                   | -           | 4.07        | 4.07 / A | 4.07   | 3.93  | 3.38   |
|                                                      | Erp<br>※6                         | Pdsign              | kW                                             |              | -            | -                                   | -           | -           | 10.0     | -      |       |        |
|                                                      |                                   | SEER                | (W/W)                                          |              | -            | -                                   | -           | -           | 5.8      | -      |       |        |
|                                                      |                                   | Annual consumption  | kWh                                            |              | -            | -                                   | -           | -           | 603      | -      |       |        |
|                                                      |                                   | Class               |                                                |              | -            | -                                   | -           | -           | A+       | -      |       |        |
|                                                      | POWER FACTOR                      |                     | %                                              |              | -            | -                                   | -           | 93          | 92       | 91     | -     | -      |
| NOISE INDOOR (H/M/L)                                 |                                   | dB-A                |                                                | 33/29/25     |              |                                     |             |             |          |        |       |        |
|                                                      |                                   | Power Level dB      |                                                | 55/51/47     |              |                                     |             |             |          |        |       |        |
| NOISE OUTDOOR (H/L)                                  |                                   | dB-A                |                                                |              |              |                                     | 52/-        |             |          |        |       |        |
|                                                      |                                   | Power Level dB      |                                                |              |              |                                     | 69/-        |             |          |        |       |        |
| H<br>E<br>A<br>T<br>I<br>N<br>G                      | CAPACITY                          |                     | kW                                             |              | 11.2         | 11.2                                | 11.2        |             |          |        | 4.1   | 14.0   |
|                                                      |                                   |                     | BTU/h                                          |              | 38200        | 38200                               | 38200       |             |          |        | 14000 | 47800  |
|                                                      | CURRENT                           |                     | A                                              |              | 0.6×3        | 0.57×3                              | 0.56×3      | 11.6        | 11.2     | 10.7   | -     | -      |
|                                                      | INPUT POWER                       |                     | W                                              |              | 70×3         | 70×3                                | 70×3        | 2.400k      | 2.400k   | 2.400k | -     | -      |
|                                                      |                                   |                     | TOTAL W                                        |              | -            |                                     |             | 2.610k      | 2.610k   | 2.610k | 900   | 4.400k |
|                                                      | COP/COP CLASS                     |                     | TOTAL(W/W)※5("A"~"G")                          |              | -            | -                                   | -           | 4.29        | 4.29 / A | 4.29   | 4.56  | 3.18   |
|                                                      | Erp<br>※6                         | Pdsign              | kW                                             |              | -            | -                                   | -           | -           | 10.0     | -      |       |        |
|                                                      |                                   | Tbivalen            | °C                                             |              | -            | -                                   | -           | -           | -10      | -      |       |        |
|                                                      |                                   | SCOP                | (W/W)                                          |              | -            | -                                   | -           | -           | 3.8      | -      |       |        |
|                                                      |                                   | Annual consumption  | kWh                                            |              | -            | -                                   | -           | -           | 3684     | -      |       |        |
|                                                      |                                   | Class               |                                                |              | -            | -                                   | -           | -           | A        | -      |       |        |
|                                                      | POWER FACTOR                      |                     | %                                              |              | -            | -                                   | -           | 94          | 94       | 93     | -     | -      |
| NOISE INDOOR (H/M/L)                                 |                                   | dB-A                |                                                | 33/29/25     |              |                                     |             |             |          | /      | /     |        |
|                                                      |                                   | Power Level dB      |                                                | 55/51/47     |              |                                     |             |             |          |        |       |        |
| NOISE OUTDOOR (H/L)                                  |                                   | dB-A                |                                                |              |              |                                     | 52/-        |             |          | /      | /     |        |
|                                                      |                                   | Power Level dB      |                                                |              |              |                                     | 69/-        |             |          |        |       |        |
| EXTRA LOW TEMP Total CAPACITY(kW)/INPUT POWER(W)/COP |                                   |                     | -                                              |              |              |                                     |             |             |          |        |       |        |
| MAX CURRENT(A)/MAX INPUT POWER(W)                    |                                   |                     | 0.86×3/105×3                                   | 0.82×3/105×3 | 0.79×3/105×3 | 25.0/5.350k                         | 25.0/5.550k | 25.0/5.750k | /        |        |       |        |
| STARTING CURRENT(A)/COMP OUTPUT(W)                   |                                   |                     | -                                              | -            | -            | 11.6/3.0k                           | 11.2/3.0k   | 10.7/3.0k   | /        |        |       |        |
| NETWORK IMPEDANCE (ΩMAX.)                            |                                   |                     |                                                |              |              |                                     |             |             |          |        |       |        |
| FM OUTPUT (W)                                        |                                   |                     | 120                                            |              |              | 90x2                                |             |             | /        |        |       |        |
| MOISTURE REMOVAL VOLUME L/h(Pt/h)                    |                                   |                     | 6.0                                            | (2.0×3)      | (12.6)       |                                     |             |             |          |        |       |        |
| External static pressure Pa                          |                                   |                     | 70 (MIN10 - MAX150)                            |              |              |                                     |             |             |          |        |       |        |
| I/D AIR FLOW                                         | COOL                              | m³/min (ft³/min)    | [14/13/10 (494/459/353)]×3                     |              |              |                                     |             |             |          |        |       |        |
|                                                      | HEAT                              | m³/min (ft³/min)    | [14/13/10 (494/459/353)]×3                     |              |              |                                     |             |             |          |        |       |        |
| O/D AIR FLOW                                         | COOL                              | m³/min (ft³/min)    |                                                |              |              | 110                                 | (3885)      |             |          |        |       |        |
|                                                      | HEAT                              | m³/min (ft³/min)    |                                                |              |              | 95                                  | (3355)      |             |          |        |       |        |
| REFRIGERANT TYPE, AMOUNT g(oz)                       |                                   |                     |                                                |              |              | R410A                               | 3.40k       | (119.9)     | /        |        |       |        |
| P<br>R<br>O<br>M                                     | D                                 | HEIGHT : H mm(inch) | 290 (11-13/32)                                 |              |              | 1416 (55-3/4)                       |             |             | /        |        |       |        |
|                                                      | I                                 | WIDTH : W mm(inch)  | 800 (31-1/2)                                   |              |              | 940 (37-1/32)                       |             |             | /        |        |       |        |
|                                                      | M                                 | DEPTH : D mm(inch)  | 700 (27-9/16)                                  |              |              | 340 (13-13/32)                      |             |             | /        |        |       |        |
| P<br>A<br>C<br>M                                     | D                                 | HEIGHT : H mm       | 355                                            |              |              | 1556                                |             |             | /        |        |       |        |
|                                                      | I                                 | WIDTH : W mm        | 1014                                           |              |              | 1055                                |             |             | /        |        |       |        |
|                                                      | M                                 | DEPTH : D mm        | 850                                            |              |              | 485                                 |             |             | /        |        |       |        |
| MASS                                                 |                                   | (NET) kg(lb)        | 28 (62)                                        |              |              | 98 (216)                            |             |             | /        |        |       |        |
|                                                      |                                   | (GROSS) kg(lb)      | 35 (78)                                        |              |              | 108 (238)                           |             |             | /        |        |       |        |
| LAYERS LIMIT (actually)                              |                                   |                     | 9 (10)                                         |              |              | 1 (2)                               |             |             |          |        |       |        |
| Operation Condition                                  |                                   | Cool O.D(DBT)       | 18°C ~ 32°C                                    |              |              | -15°C ~ 46°C                        |             |             |          |        |       |        |
|                                                      |                                   | Heat O.D(DBT)       | 16°C ~ 30°C                                    |              |              | -20°C ~ 24°C                        |             |             |          |        |       |        |
| P<br>I<br>P<br>I<br>N<br>G                           | PIPE DIAMETER mm (inch)           |                     | (Liquid)ø6.35(1/4) (Gas)ø12.7(1/2)             |              |              | (Liquid)ø9.52(3/8) (Gas)ø15.88(5/8) |             |             |          |        |       |        |
|                                                      | CONNECT METHOD, STD LENGTH m (ft) |                     | flared type, 5.0(16.4)                         |              |              | flared type, 5.0(16.4)              |             |             |          |        |       |        |
|                                                      | PIPE LENGTH RANGE m (ft)          |                     | 5 ~ 75 (16.4 ~ 246.1)                          |              |              |                                     |             |             | ~        | ~      |       |        |
|                                                      | I/D&O/D HEIGHT DIFFERENCE m (ft)  |                     | 15 (OD located lower) / 30 (OD located higher) |              |              | (49.2/98.4)                         |             |             |          |        |       |        |
|                                                      | ADD GAS AMOUNT g/m (oz/ft)        |                     | 50 (0.538)                                     |              |              |                                     |             |             |          |        |       |        |
| PIPE LENGTH FOR ADDITIONAL GAS m (ft)                |                                   | 20 (65.6)           |                                                |              |              |                                     |             |             |          |        |       |        |

\*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m³/min.) shall be multiplied by 16.7 and rounded down the decimal point.

\*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.

\*3: Network Impedance shall be applicable for EUROPE and CHINA models.

\*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.

\*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.

\*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

# Simultaneous (Double-Twin) -Type

## 1-1. Unit Specifications

### PE1

#### 4. Low Silhouette Ducted Type S-36PF1E5A×4 / U-125PE1E5A

| INDOOR                                |                                                      |                    | MODEL                                          |              | S-36PF1E5A×4 |                                     |             | U-125PE1E5A  |          |        |       |        |
|---------------------------------------|------------------------------------------------------|--------------------|------------------------------------------------|--------------|--------------|-------------------------------------|-------------|--------------|----------|--------|-------|--------|
| OUTDOOR                               |                                                      |                    | MODEL                                          |              |              |                                     |             |              |          |        |       |        |
| Branch pipe                           |                                                      |                    | MODEL                                          |              |              |                                     |             | CZ-P155BK1×3 |          |        |       |        |
| PERFORMANCE TEST CONDITION            |                                                      |                    | ISO13253 / EN14511 / EN12102                   |              |              |                                     |             |              |          |        |       |        |
| POWER SUPPLY                          |                                                      |                    | ø, Hz                                          |              | 1ø 50Hz      |                                     |             | 1ø 50Hz      |          |        |       |        |
|                                       |                                                      |                    | V                                              |              | 220          | 230                                 | 240         | 220          | 230      | 240    | Min   | Max    |
| C<br>O<br>O<br>L<br>I<br>N<br>G       | CAPACITY                                             |                    | kW                                             |              | 12.5         | 12.5                                | 12.5        |              |          |        | 3.3   | 14.0   |
|                                       |                                                      |                    | BTU/h                                          |              | 42700        | 42700                               | 42700       |              |          |        | 11300 | 47800  |
|                                       | CURRENT                                              |                    | A                                              |              | 0.6×4        | 0.57×4                              | 0.56×4      | 16.6         | 15.9     | 15.3   | -     | -      |
|                                       | INPUT POWER                                          |                    | W                                              |              | 70×4         | 70×4                                | 70×4        | 3.355k       | 3.355k   | 3.355k | -     | -      |
|                                       |                                                      |                    | TOTAL W                                        |              |              |                                     |             | 3.635k       | 3.635k   | 3.635k | 840   | 4.600k |
|                                       | ANNUAL CONSUMPTION                                   |                    | TOTAL kWh ※4                                   |              |              |                                     |             | -            | 1817.5   | -      | -     | -      |
|                                       | EER/EER CLASS                                        |                    | TOTAL(W/W)※5("A"~"G")                          |              | -            | -                                   | -           | 3.44         | 3.44 / A | 3.44   | 3.93  | 3.04   |
|                                       | Erp<br>※6                                            | Pdsign             | kW                                             | -            | -            | -                                   | -           | -            | -        | -      |       |        |
|                                       |                                                      | SEER               | (W/W)                                          | -            | -            | -                                   | -           | -            | -        | -      |       |        |
|                                       |                                                      | Annual consumption | kWh                                            | -            | -            | -                                   | -           | -            | -        | -      |       |        |
|                                       |                                                      | Class              |                                                | -            | -            | -                                   | -           | -            | -        | -      |       |        |
| POWER FACTOR                          |                                                      | %                  |                                                | -            | -            | -                                   | 92          | 92           | 91       | -      | -     |        |
| NOISE INDOOR (H/M/L)                  |                                                      | dB-A               |                                                | 33/29/25     |              |                                     |             |              |          |        |       |        |
|                                       |                                                      | Power Level dB     |                                                | 55/51/47     |              |                                     |             |              |          |        |       |        |
| NOISE OUTDOOR (H/L)                   |                                                      | dB-A               |                                                |              |              |                                     | 53/-        |              |          |        |       |        |
|                                       |                                                      | Power Level dB     |                                                |              |              |                                     | 70/-        |              |          |        |       |        |
| H<br>E<br>A<br>T<br>I<br>N<br>G       | CAPACITY                                             |                    | kW                                             |              | 14.0         | 14.0                                | 14.0        |              |          |        | 4.1   | 16.0   |
|                                       |                                                      |                    | BTU/h                                          |              | 47800        | 47800                               | 47800       |              |          |        | 14000 | 54600  |
|                                       | CURRENT                                              |                    | A                                              |              | 0.6×4        | 0.57×4                              | 0.56×4      | 16.3         | 15.8     | 15.1   | -     | -      |
|                                       | INPUT POWER                                          |                    | W                                              |              | 70×4         | 70×4                                | 70×4        | 3.270k       | 3.270k   | 3.270k | -     | -      |
|                                       |                                                      |                    | TOTAL W                                        |              |              |                                     |             | 3.550k       | 3.550k   | 3.550k | 900   | 5.200k |
|                                       | COP/COP CLASS                                        |                    | TOTAL(W/W)※5("A"~"G")                          |              | -            | -                                   | -           | 3.94         | 3.94 / A | 3.94   | 4.56  | 3.08   |
|                                       | Erp<br>※6                                            | Pdsign             | kW                                             | -            | -            | -                                   | -           | -            | -        | -      |       |        |
|                                       |                                                      | Tbivalen           | °C                                             | -            | -            | -                                   | -           | -            | -        | -      |       |        |
|                                       |                                                      | SCOP               | (W/W)                                          | -            | -            | -                                   | -           | -            | -        | -      |       |        |
|                                       |                                                      | Annual consumption | kWh                                            | -            | -            | -                                   | -           | -            | -        | -      |       |        |
|                                       |                                                      | Class              |                                                | -            | -            | -                                   | -           | -            | -        | -      |       |        |
|                                       | POWER FACTOR                                         |                    | %                                              |              | -            | -                                   | -           | 91           | 90       | 90     | -     | -      |
|                                       | NOISE INDOOR (H/M/L)                                 |                    | dB-A                                           |              | 33/29/25     |                                     |             |              |          |        | /     | /      |
|                                       |                                                      |                    | Power Level dB                                 |              | 55/51/47     |                                     |             |              |          |        |       |        |
|                                       | NOISE OUTDOOR (H/L)                                  |                    | dB-A                                           |              |              |                                     |             | 53/-         |          |        | /     | /      |
|                                       |                                                      |                    | Power Level dB                                 |              |              |                                     |             | 70/-         |          |        |       |        |
|                                       | EXTRA LOW TEMP Total CAPACITY(kW)/INPUT POWER(W)/COP |                    |                                                |              |              |                                     |             |              |          |        |       |        |
| MAX CURRENT(A)/MAX INPUT POWER(W)     |                                                      |                    | 0.86×4/105×4                                   | 0.82×4/105×4 | 0.79×4/105×4 | 28.0/6.000k                         | 28.0/6.200k | 28.0/6.400k  |          |        |       |        |
| STARTING CURRENT(A)/COMP OUTPUT(W)    |                                                      |                    | -                                              | -            | -            | 16.6/3.0k                           | 15.9/3.0k   | 15.3/3.0k    |          |        |       |        |
| NETWORK IMPEDANCE (QMAX.)             |                                                      |                    |                                                |              |              |                                     |             |              |          |        |       |        |
| FM OUTPUT (W)                         |                                                      |                    | 120                                            |              |              | 90x2                                |             |              |          |        |       |        |
| MOISTURE REMOVAL VOLUME L/h(Pt/h)     |                                                      |                    | 7.9                                            | (1.98×4)     | (16.6)       |                                     |             |              |          |        |       |        |
| External static pressure Pa           |                                                      |                    | 70 (MIN10 - MAX150)                            |              |              |                                     |             |              |          |        |       |        |
| I/D AIR FLOW                          | COOL                                                 | m³/min (ft³/min)   | [14/13/10 (494/459/353)]×4                     |              |              |                                     |             |              |          |        |       |        |
|                                       | HEAT                                                 | m³/min (ft³/min)   | [14/13/10 (494/459/353)]×4                     |              |              |                                     |             |              |          |        |       |        |
| O/D AIR FLOW                          | COOL                                                 | m³/min (ft³/min)   |                                                |              |              | 130                                 | (4591)      |              |          |        |       |        |
|                                       | HEAT                                                 | m³/min (ft³/min)   |                                                |              |              | 110                                 | (3885)      |              |          |        |       |        |
| REFRIGERANT TYPE, AMOUNT g(oz)        |                                                      |                    |                                                |              |              | R410A                               | 3.40k       | (119.9)      |          |        |       |        |
| P<br>D<br>I<br>O<br>M                 | HEIGHT : H mm(inch)                                  |                    | 290 (11-13/32)                                 |              |              | 1416 (55-3/4)                       |             |              |          |        |       |        |
|                                       | WIDTH : W mm(inch)                                   |                    | 800 (31-1/2)                                   |              |              | 940 (37-1/32)                       |             |              |          |        |       |        |
|                                       | DEPTH : D mm(inch)                                   |                    | 700 (27-9/16)                                  |              |              | 340 (13-13/32)                      |             |              |          |        |       |        |
| P<br>A<br>C<br>M                      | HEIGHT : H mm                                        |                    | 355                                            |              |              | 1556                                |             |              |          |        |       |        |
|                                       | WIDTH : W mm                                         |                    | 1014                                           |              |              | 1055                                |             |              |          |        |       |        |
|                                       | DEPTH : D mm                                         |                    | 850                                            |              |              | 485                                 |             |              |          |        |       |        |
| MASS                                  | (NET) kg(lb)                                         |                    | 28 (62)                                        |              |              | 98 (216)                            |             |              |          |        |       |        |
|                                       | (GROSS) kg(lb)                                       |                    | 35 (78)                                        |              |              | 108 (238)                           |             |              |          |        |       |        |
| LAYERS LIMIT (actually)               |                                                      |                    | 9 (10)                                         |              |              | 1 (2)                               |             |              |          |        |       |        |
| Operation Condition                   |                                                      | Cool O.D(DBT)      | 18°C ~ 32°C                                    |              |              | -15°C ~ 46°C                        |             |              |          |        |       |        |
|                                       |                                                      | Heat O.D(DBT)      | 16°C ~ 30°C                                    |              |              | -20°C ~ 24°C                        |             |              |          |        |       |        |
| P<br>I<br>P<br>I<br>N<br>G            | PIPE DIAMETER mm (inch)                              |                    | (Liquid)ø6.35(1/4) (Gas)ø12.7(1/2)             |              |              | (Liquid)ø9.52(3/8) (Gas)ø15.88(5/8) |             |              |          |        |       |        |
|                                       | CONNECT METHOD, STD LENGTH m (ft)                    |                    | flared type, 5.0(16.4)                         |              |              | flared type, 5.0(16.4)              |             |              |          |        |       |        |
|                                       | PIPE LENGTH RANGE m (ft)                             |                    | 5 ~ 75 (16.4 ~ 246.1)                          |              |              |                                     |             |              | ~        | ~      |       |        |
|                                       | I/D&O/D HEIGHT DIFFERENCE m (ft)                     |                    | 15 (OD located lower) / 30 (OD located higher) |              |              | (49.2/98.4)                         |             |              |          |        |       |        |
|                                       | ADD GAS AMOUNT g/m (oz/ft)                           |                    | 50 (0.538)                                     |              |              |                                     |             |              |          |        |       |        |
| PIPE LENGTH FOR ADDITIONAL GAS m (ft) |                                                      | 20 (65.6)          |                                                |              |              |                                     |             |              |          |        |       |        |

\*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m³/min.) shall be multiplied by 16.7 and rounded down the decimal point.

\*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.

\*3: Network Impedance shall be applicable for EUROPE and CHINA models.

\*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.

\*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.

\*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

# Simultaneous (Triple) -Type

## 1-1. Unit Specifications

### PE1

#### 4. Low Silhouette Ducted Type S-45PF1E5A×3 / U-125PE1E5A

| INDOOR                                |                                   |                     | MODEL                                          |                                       | S-45PF1E5A×3                 |                                     |                |              |             |             |       |        |   |
|---------------------------------------|-----------------------------------|---------------------|------------------------------------------------|---------------------------------------|------------------------------|-------------------------------------|----------------|--------------|-------------|-------------|-------|--------|---|
| OUTDOOR                               |                                   |                     | MODEL                                          |                                       |                              |                                     |                | U-125PE1E5A  |             |             |       |        |   |
| Branch pipe                           |                                   |                     | MODEL                                          |                                       |                              |                                     |                | CZ-P3HPC2    |             |             |       |        |   |
| PERFORMANCE TEST CONDITION            |                                   |                     |                                                |                                       | ISO13253 / EN14511 / EN12102 |                                     |                |              |             |             |       |        |   |
| POWER SUPPLY                          |                                   |                     | ø, Hz                                          |                                       | 1ø 50Hz                      |                                     |                | 1ø 50Hz      |             |             |       |        |   |
|                                       |                                   |                     | V                                              |                                       | 220                          | 230                                 | 240            | 220          | 230         | 240         | Min   | Max    |   |
| C<br>O<br>O<br>L<br>I<br>N<br>G       | CAPACITY                          |                     | kW                                             |                                       | 12.5                         | 12.5                                | 12.5           |              |             |             | 3.3   | 14.0   |   |
|                                       |                                   |                     | BTU/h                                          |                                       | 42700                        | 42700                               | 42700          |              |             |             | 11300 | 47800  |   |
|                                       | CURRENT                           |                     | A                                              |                                       | 0.60×3                       | 0.57×3                              | 0.56×3         | 16.6         | 15.9        | 15.4        | -     | -      |   |
|                                       |                                   |                     | W                                              |                                       | 70×3                         | 70×3                                | 70×3           | 3.360k       | 3.360k      | 3.360k      | -     | -      |   |
|                                       | INPUT POWER                       |                     | TOTAL W                                        |                                       | -                            |                                     |                | 3.570k       | 3.570k      | 3.570k      | 840   | 4.600k |   |
|                                       |                                   |                     | TOTAL kWh ※4                                   |                                       | -                            |                                     |                | -            | 1785        | -           | -     | -      | - |
|                                       | EER/EER CLASS                     |                     | TOTAL(W/W)※5/("A"~"G")                         |                                       | -                            | -                                   | -              | 3.50         | 3.50 / A    | 3.50        | 3.93  | 3.04   |   |
|                                       |                                   |                     | Pdsign kW                                      |                                       | -                            | -                                   | -              | -            | -           | -           |       |        |   |
|                                       | Erp<br>※6                         | SEER                |                                                | (W/W)                                 |                              | -                                   | -              | -            | -           | -           | -     |        |   |
|                                       |                                   | Annual consumption  |                                                | kWh                                   |                              | -                                   | -              | -            | -           | -           | -     |        |   |
|                                       |                                   | Class               |                                                |                                       |                              | -                                   | -              | -            | -           | -           | -     |        |   |
|                                       |                                   | POWER FACTOR        |                                                | %                                     |                              | -                                   | -              | -            | 92          | 92          | 91    | -      | - |
| NOISE INDOOR<br>(H/M/L)               |                                   |                     | dB-A                                           |                                       | 34/30/26                     |                                     |                |              |             |             |       |        |   |
|                                       |                                   |                     | Power Level dB                                 |                                       | 56/52/48                     |                                     |                |              |             |             |       |        |   |
| NOISE OUTDOOR<br>(H/L)                |                                   |                     | dB-A                                           |                                       |                              |                                     |                | 53/-         |             |             |       |        |   |
|                                       |                                   |                     | Power Level dB                                 |                                       |                              |                                     |                | 70/-         |             |             |       |        |   |
| H<br>E<br>A<br>T<br>I<br>N<br>G       | CAPACITY                          |                     | kW                                             |                                       | 14.0                         | 14.0                                | 14.0           |              |             |             | 4.1   | 16.0   |   |
|                                       |                                   |                     | BTU/h                                          |                                       | 47800                        | 47800                               | 47800          |              |             |             | 14000 | 54600  |   |
|                                       | CURRENT                           |                     | A                                              |                                       | 0.60×3                       | 0.57×3                              | 0.56×3         | 16.3         | 15.8        | 15.1        | -     | -      |   |
|                                       |                                   |                     | W                                              |                                       | 70×3                         | 70×3                                | 70×3           | 3.270k       | 3.270k      | 3.270k      | -     | -      |   |
|                                       | INPUT POWER                       |                     | TOTAL W                                        |                                       | -                            |                                     |                | 3.480k       | 3.480k      | 3.480k      | 900   | 5.200k |   |
|                                       |                                   |                     | TOTAL(W/W)※5/("A"~"G")                         |                                       | -                            | -                                   | -              | 4.02         | 4.02 / A    | 4.02        | 4.56  | 3.08   |   |
|                                       | Erp<br>※6                         | Pdsign              |                                                | kW                                    |                              | -                                   | -              | -            | -           | -           | -     |        |   |
|                                       |                                   | Tbivalen            |                                                | °C                                    |                              | -                                   | -              | -            | -           | -           | -     |        |   |
|                                       |                                   | SCOP                |                                                | (W/W)                                 |                              | -                                   | -              | -            | -           | -           | -     |        |   |
|                                       |                                   | Annual consumption  |                                                | kWh                                   |                              | -                                   | -              | -            | -           | -           | -     |        |   |
|                                       | Class                             |                     |                                                |                                       | -                            | -                                   | -              | -            | -           | -           | -     |        |   |
|                                       | POWER FACTOR                      |                     | %                                              |                                       | -                            | -                                   | -              | 91           | 90          | 90          | -     | -      |   |
|                                       | NOISE INDOOR<br>(H/M/L)           |                     |                                                | dB-A                                  |                              | 34/30/26                            |                |              | -           |             |       | /      | / |
|                                       |                                   |                     |                                                | Power Level dB                        |                              | 56/52/48                            |                |              | -           |             |       |        |   |
|                                       | NOISE OUTDOOR<br>(H/L)            |                     |                                                | dB-A                                  |                              | -                                   |                |              | 53/-        |             |       | /      | / |
|                                       |                                   |                     |                                                | Power Level dB                        |                              | -                                   |                |              | 70/-        |             |       |        |   |
|                                       | EXTRA LOW TEMP                    |                     |                                                | Total CAPACITY(kW)/INPUT POWER(W)/COP |                              | -                                   |                |              |             |             |       |        |   |
| MAX CURRENT(A)/MAX INPUT POWER(W)     |                                   |                     |                                                |                                       | 0.86×3/105×3                 | 0.82×3/105×3                        | 0.79×3/105×3   | 28.0/6.000k  | 28.0/6.200k | 28.0/6.400k | /     |        |   |
| STARTING CURRENT(A)/COMP OUTPUT(W)    |                                   |                     |                                                |                                       | -                            | -                                   | -              | 16.6/3.0k    | 15.9/3.0k   | 15.3/3.0k   | /     |        |   |
| NETWORK IMPEDANCE (ΩMAX.)             |                                   |                     |                                                |                                       |                              |                                     |                | -            |             |             |       |        |   |
| FM OUTPUT (W)                         |                                   |                     |                                                |                                       | 120                          |                                     |                | 90x2         |             |             | /     |        |   |
| MOISTURE REMOVAL VOLUME               |                                   |                     | L/h(Pt/h)                                      |                                       | 7.9                          | (2.63×3)                            | (16.6)         |              |             |             |       |        |   |
| External static pressure              |                                   |                     | Pa                                             |                                       | 70 (MIN10 - MAX150)          |                                     |                |              |             |             |       |        |   |
| I/D AIR FLOW                          | COOL                              | m³/min (ft³/min)    |                                                | [14/13/10 (494/459/353)]×3            |                              |                                     |                |              |             |             |       |        |   |
|                                       | HEAT                              | m³/min (ft³/min)    |                                                | [14/13/10 (494/459/353)]×3            |                              |                                     |                |              |             |             |       |        |   |
| O/D AIR FLOW                          | COOL                              | m³/min (ft³/min)    |                                                |                                       |                              |                                     | 130            |              |             | (4591)      |       |        |   |
|                                       | HEAT                              | m³/min (ft³/min)    |                                                |                                       |                              |                                     | 110            |              |             | (3885)      |       |        |   |
| REFRIGERANT TYPE, AMOUNT g(oz)        |                                   |                     |                                                |                                       |                              |                                     |                | R410A        | 3.40k       | (119.9)     | /     |        |   |
| P<br>R<br>O<br>M                      | D<br>I<br>M                       | HEIGHT : H mm(inch) |                                                | 290 (11-13/32)                        |                              |                                     | 1416 (55-3/4)  |              |             | /           |       |        |   |
|                                       |                                   | WIDTH : W mm(inch)  |                                                | 800 (31-1/2)                          |                              |                                     | 940 (37-1/32)  |              |             | /           |       |        |   |
|                                       |                                   | DEPTH : D mm(inch)  |                                                | 700 (27-9/16)                         |                              |                                     | 340 (13-13/32) |              |             | /           |       |        |   |
| P<br>A<br>C<br>M                      | I<br>D<br>M                       | HEIGHT : H mm       |                                                | 355                                   |                              |                                     | 1556           |              |             | /           |       |        |   |
|                                       |                                   | WIDTH : W mm        |                                                | 1014                                  |                              |                                     | 1055           |              |             | /           |       |        |   |
|                                       |                                   | DEPTH : D mm        |                                                | 850                                   |                              |                                     | 485            |              |             | /           |       |        |   |
| MASS                                  |                                   | (NET) kg(lb)        |                                                | 28 (62)                               |                              |                                     | 98 (216)       |              |             | /           |       |        |   |
|                                       |                                   | (GROSS) kg(lb)      |                                                | 35 (78)                               |                              |                                     | 108 (238)      |              |             | /           |       |        |   |
| LAYERS LIMIT (actually)               |                                   |                     |                                                |                                       | 9 (10)                       |                                     |                | 1 (2)        |             |             |       |        |   |
| Operation Condition                   |                                   |                     | Cool O.D(DBT)                                  |                                       | 18°C ~ 32°C                  |                                     |                | -15°C ~ 46°C |             |             |       |        |   |
|                                       |                                   |                     | Heat O.D(DBT)                                  |                                       | 16°C ~ 30°C                  |                                     |                | -20°C ~ 24°C |             |             |       |        |   |
| P<br>I<br>P<br>I<br>N<br>G            | PIPE DIAMETER mm (inch)           |                     | (Liquid)ø6.35(1/4) (Gas)ø12.7(1/2)             |                                       |                              | (Liquid)ø9.52(3/8) (Gas)ø15.88(5/8) |                |              |             |             |       |        |   |
|                                       | CONNECT METHOD, STD LENGTH m (ft) |                     | flared type, 5.0(16.4)                         |                                       |                              | flared type, 5.0(16.4)              |                |              |             |             |       |        |   |
|                                       | PIPE LENGTH RANGE m (ft)          |                     | 5 ~ 75 (16.4 ~ 246.1)                          |                                       |                              |                                     |                |              | ~           | ~           |       |        |   |
|                                       | I/D&O/D HEIGHT DIFFERENCE m (ft)  |                     | 15 (OD located lower) / 30 (OD located higher) |                                       |                              | (49.2/98.4)                         |                |              |             |             |       |        |   |
|                                       | ADD GAS AMOUNT g/m (oz/ft)        |                     | 50 (0.538)                                     |                                       |                              |                                     |                |              |             |             |       |        |   |
| PIPE LENGTH FOR ADDITIONAL GAS m (ft) |                                   |                     |                                                |                                       | 20 (65.6)                    |                                     |                |              |             |             |       |        |   |

\*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m³/min.) shall be multiplied by 16.7 and rounded down the decimal point.

\*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.

\*3: Network Impedance shall be applicable for EUROPE and CHINA models.

\*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.

\*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.

\*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

# Single-Type

## 1-1. Unit Specifications

### PE1

#### 4. Low Silhouette Ducted Type S-50PF1E5A / U-50PE1E5

|                                       |                                   |                    |                                                |                        |                                        |          |                                    |              |            |           |           |        |   |
|---------------------------------------|-----------------------------------|--------------------|------------------------------------------------|------------------------|----------------------------------------|----------|------------------------------------|--------------|------------|-----------|-----------|--------|---|
| INDOOR                                |                                   |                    | MODEL                                          |                        | S-50PF1E5A                             |          |                                    |              |            |           |           |        |   |
| PANEL                                 |                                   |                    | MODEL                                          |                        | -                                      |          |                                    | -            |            |           |           |        |   |
| OUTDOOR                               |                                   |                    | MODEL                                          |                        |                                        |          |                                    | U-50PE1E5    |            |           |           |        |   |
| Branch pipe                           |                                   |                    | MODEL                                          |                        |                                        |          |                                    | -            |            |           |           |        |   |
| PERFORMANCE TEST CONDITION            |                                   |                    |                                                |                        | ISO13253 / EN14511 / EN14825 / EN12102 |          |                                    |              |            |           |           |        |   |
| POWER SUPPLY                          |                                   |                    | ø, Hz                                          |                        | 1ø 50Hz                                |          |                                    | 1ø 50Hz      |            |           |           |        |   |
|                                       |                                   |                    | V                                              |                        | 220                                    | 230      | 240                                | 220          | 230        | 240       | Min       | Max    |   |
| C<br>O<br>O<br>L<br>I<br>N<br>G       | CAPACITY                          |                    | kW                                             |                        | 5.0                                    | 5.0      | 5.0                                |              |            |           | 1.5       | 5.6    |   |
|                                       |                                   |                    | BTU/h                                          |                        | 17100                                  | 17100    | 17100                              |              |            |           | 5100      | 19100  |   |
|                                       | CURRENT                           |                    | A                                              |                        | 0.77                                   | 0.74     | 0.71                               | 6.10         | 5.85       | 5.60      | -         | -      |   |
|                                       | INPUT POWER                       |                    | W                                              |                        | 100                                    | 100      | 100                                | 1.250k       | 1.250k     | 1.250k    | -         | -      |   |
|                                       |                                   |                    | TOTAL W                                        |                        | -                                      |          |                                    | 1.350k       | 1.350k     | 1.350k    | 260       | 2.000k |   |
|                                       | ANNUAL CONSUMPTION                |                    | TOTAL kWh ※ 4                                  |                        | -                                      |          |                                    | 675          | 675        | 675       | -         | -      |   |
|                                       | EER/EER CLASS                     |                    | TOTAL(W/W)※5("A"~"G")                          |                        | -                                      | -        | -                                  | 3.70         | 3.70 / A   | 3.70      | 5.77      | 2.80   |   |
|                                       | Erp<br>※ 6                        | Pdsign             | kW                                             |                        | -                                      | -        | -                                  | -            | 5.0        | -         |           |        |   |
|                                       |                                   | SEER               | (W/W)                                          |                        | -                                      | -        | -                                  | -            | 5.7        | -         |           |        |   |
|                                       |                                   | Annual consumption | kWh                                            |                        | -                                      | -        | -                                  | -            | 307        | -         |           |        |   |
| Class                                 |                                   |                    |                                                | -                      | -                                      | -        | -                                  | A+           | -          |           |           |        |   |
| POWER FACTOR                          |                                   |                    | %                                              |                        | -                                      | -        | -                                  | 93           | 93         | 93        | -         | -      |   |
| NOISE INDOOR                          |                                   |                    | dB-A (H/M/L)                                   |                        | 34/30/26                               |          |                                    |              |            |           |           |        |   |
|                                       |                                   |                    | Power Level dB                                 |                        | 56/52/48                               |          |                                    |              |            |           |           |        |   |
| NOISE OUTDOOR                         |                                   |                    | dB-A (H/L)                                     |                        |                                        |          |                                    | 46/-         |            |           |           |        |   |
|                                       |                                   |                    | Power Level dB                                 |                        |                                        |          |                                    | 65/-         |            |           |           |        |   |
| H<br>E<br>A<br>T<br>I<br>N<br>G       | CAPACITY                          |                    | kW                                             |                        | 5.6                                    | 5.6      | 5.6                                |              |            |           | 1.5       | 6.5    |   |
|                                       |                                   |                    | BTU/h                                          |                        | 19100                                  | 19100    | 19100                              |              |            |           | 5100      | 22200  |   |
|                                       | CURRENT                           |                    | A                                              |                        | 0.77                                   | 0.74     | 0.71                               | 6.85         | 6.55       | 6.25      | -         | -      |   |
|                                       | INPUT POWER                       |                    | W                                              |                        | 100                                    | 100      | 100                                | 1.400k       | 1.4000k    | 1.400k    | -         | -      |   |
|                                       |                                   |                    | TOTAL W                                        |                        | -                                      |          |                                    | 1.500k       | 1.500k     | 1.500k    | 220       | 2.400k |   |
|                                       | COP/COP CLASS                     |                    | TOTAL(W/W)※5("A"~"G")                          |                        | -                                      | -        | -                                  | 3.73         | 3.73 / A   | 3.73      | 6.82      | 2.71   |   |
|                                       | Erp<br>※ 6                        | Pdsign             | kW                                             |                        | -                                      | -        | -                                  | -            | 4.0        | -         |           |        |   |
|                                       |                                   | Tbivalen           | °C                                             |                        | -                                      | -        | -                                  | -            | -10        | -         |           |        |   |
|                                       |                                   | SCOP               | (W/W)                                          |                        | -                                      | -        | -                                  | -            | 3.8        | -         |           |        |   |
|                                       |                                   | Annual consumption | kWh                                            |                        | -                                      | -        | -                                  | -            | 1474       | -         |           |        |   |
|                                       |                                   | Class              |                                                |                        | -                                      | -        | -                                  | -            | A          | -         |           |        |   |
|                                       | POWER FACTOR                      |                    |                                                | %                      |                                        | -        | -                                  | -            | 93         | 93        | 93        | -      | - |
|                                       | NOISE INDOOR                      |                    |                                                | dB-A (H/M/L)           |                                        | 34/30/26 |                                    |              | -          |           |           | /      | / |
|                                       |                                   |                    |                                                | Power Level dB         |                                        | 56/52/48 |                                    |              | -          |           |           |        |   |
|                                       | NOISE OUTDOOR                     |                    |                                                | dB-A (H/L)             |                                        | -        |                                    |              | 50/-       |           |           | /      | / |
| Power Level dB                        |                                   |                    |                                                | -                      |                                        |          | 69/-                               |              |            |           |           |        |   |
| EXTRA LOW TEMP                        |                                   |                    | Total CAPACITY(kW)/INPUT POWER(W)/COP          |                        |                                        |          | -                                  |              |            |           |           |        |   |
| MAX CURRENT(A)/MAX INPUT POWER(W)     |                                   |                    | 1.00/125                                       |                        | 0.96/125                               |          | 0.92/125                           |              | 12/2.46k   | 12/2.57k  | 12/2.68k  | /      |   |
| STARTING CURRENT(A)/COMP OUTPUT(W)    |                                   |                    | -                                              |                        | -                                      |          | -                                  |              | 6.85/1.4k  | 6.55/1.4k | 6.25/1.4k | /      |   |
| NETWORK IMPEDANCE (ΩMAX.)             |                                   |                    | -                                              |                        |                                        |          | -                                  |              |            |           |           |        |   |
| FM OUTPUT (W)                         |                                   |                    | 120                                            |                        |                                        |          | 90                                 |              |            | /         |           |        |   |
| MOISTURE REMOVAL VOLUME               |                                   |                    | L/h(Pt/h)                                      |                        | 2.8                                    |          | (5.9)                              |              | -          |           |           |        |   |
| External static pressure              |                                   |                    | Pa                                             |                        | 70 (MIN10 - MAX150)                    |          |                                    |              |            |           |           |        |   |
| I/D AIR FLOW                          | COOL                              | m³/min (ft³/min)   |                                                | 16/15/12 (565/530/424) |                                        |          |                                    |              |            |           |           |        |   |
| FLOW                                  | HEAT                              | m³/min (ft³/min)   |                                                | 16/15/12 (565/530/424) |                                        |          |                                    |              |            |           |           |        |   |
| O/D AIR FLOW                          | COOL                              | m³/min (ft³/min)   |                                                |                        |                                        |          |                                    | 30           | (1067)     |           |           |        |   |
| FLOW                                  | HEAT                              | m³/min (ft³/min)   |                                                |                        |                                        |          |                                    | 35           | (1225)     |           |           |        |   |
| REFRIGERANT TYPE, AMOUNT g(oz)        |                                   |                    |                                                |                        |                                        |          | R410A                              |              | 1.65k      | (58.2)    | /         |        |   |
| P D                                   | HEIGHT : H mm(inch)               |                    | 290 (11-13/32)                                 |                        |                                        |          | 569                                |              | (22-13/32) | /         |           |        |   |
| R I                                   | WIDTH : W mm(inch)                |                    | 800 (31-1/2)                                   |                        |                                        |          | 790                                |              | (31-7/64)  | /         |           |        |   |
| O M                                   | DEPTH : D mm(inch)                |                    | 700 (27-9/16)                                  |                        |                                        |          | 285                                |              | (11-7/32)  | /         |           |        |   |
| P D                                   | HEIGHT : H mm                     |                    | 355                                            |                        |                                        |          | 645                                |              |            |           | /         |        |   |
| A I                                   | WIDTH : W mm                      |                    | 1014                                           |                        |                                        |          | 921                                |              |            |           | /         |        |   |
| C M                                   | DEPTH : D mm                      |                    | 850                                            |                        |                                        |          | 386                                |              |            |           | /         |        |   |
| MASS                                  | (NET) kg(lb)                      |                    | 28 (62)                                        |                        |                                        |          | 42 (93)                            |              |            |           | /         |        |   |
|                                       | (GROSS) kg(lb)                    |                    | 35 (78)                                        |                        |                                        |          | 46 (101)                           |              |            |           | /         |        |   |
| LAYERS LIMIT (actually)               |                                   |                    | 9 (10)                                         |                        |                                        |          | 4 (5)                              |              |            |           |           |        |   |
| Operation Condition                   |                                   |                    | Cool (DBT)                                     |                        | 18°C ~ 32°C                            |          |                                    | -15°C ~ 46°C |            |           |           |        |   |
|                                       |                                   |                    | Heat (DBT)                                     |                        | 16°C ~ 30°C                            |          |                                    | -20°C ~ 24°C |            |           |           |        |   |
| P<br>I<br>P<br>E<br>I<br>N<br>G       | PIPE DIAMETER mm (inch)           |                    | (Liquid)ø6.35(1/4) (Gas)ø12.7(1/2)             |                        |                                        |          | (Liquid)ø6.35(1/4) (Gas)ø12.7(1/2) |              |            |           |           |        |   |
|                                       | CONNECT METHOD, STD LENGTH m (ft) |                    | flared type, 5.0(16.4)                         |                        |                                        |          | flared type, 5.0(16.4)             |              |            |           |           |        |   |
|                                       | PIPE LENGTH RANGE m (ft)          |                    | 5 ~ 40 (16.4 ~ 131.2)                          |                        |                                        |          |                                    |              |            |           | ~         | ~      |   |
|                                       | I/D&O/D HEIGHT DIFFERENCE m (ft)  |                    | 15 (OD located lower) / 30 (OD located higher) |                        |                                        |          | (49.2/98.4)                        |              |            |           |           |        |   |
|                                       | ADD GAS AMOUNT g/m (oz/ft)        |                    | 20 (0.215)                                     |                        |                                        |          |                                    |              |            |           |           |        |   |
| PIPE LENGTH FOR ADDITIONAL GAS m (ft) |                                   |                    | 30 (98.4)                                      |                        |                                        |          |                                    |              |            |           |           |        |   |

\*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m³/min.) shall be multiplied by 16.7 and rounded down the decimal point.

\*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.

\*3: Network Impedance shall be applicable for EUROPE and CHINA models.

\*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.

\*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.

\*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

# Simultaneous (Twin) -Type

## 1-1. Unit Specifications

### PE1

#### 4. Low Silhouette Ducted Type S-50PF1E5A×2 / U-100PE1E5A

| INDOOR                                                                            |                                                |                     | MODEL                                          |                    | S-50PF1E5A×2           |                                     |             |              |             |         |          |        |      |
|-----------------------------------------------------------------------------------|------------------------------------------------|---------------------|------------------------------------------------|--------------------|------------------------|-------------------------------------|-------------|--------------|-------------|---------|----------|--------|------|
| OUTDOOR                                                                           |                                                |                     | MODEL                                          |                    |                        |                                     |             | U-100PE1E5A  |             |         |          |        |      |
| Branch pipe                                                                       |                                                |                     | MODEL                                          |                    |                        |                                     |             | CZ-P155BK1   |             |         |          |        |      |
| PERFORMANCE TEST CONDITION                                                        |                                                |                     | ISO13253 / EN14511 / EN14825 / EN12102         |                    |                        |                                     |             |              |             |         |          |        |      |
| POWER SUPPLY                                                                      |                                                |                     | ø, Hz                                          |                    | 1ø 50Hz                |                                     |             | 1ø 50Hz      |             |         |          |        |      |
|                                                                                   |                                                |                     | V                                              |                    | 220                    | 230                                 | 240         | 220          | 230         | 240     | Min      | Max    |      |
| C<br>O<br>O<br>L<br>I<br>N<br>G                                                   | CAPACITY                                       |                     | kW                                             |                    | 10.0                   | 10.0                                | 10.0        |              |             |         | 3.3      | 12.5   |      |
|                                                                                   |                                                |                     | BTU/h                                          |                    | 34100                  | 34100                               | 34100       |              |             |         | 11300    | 42700  |      |
|                                                                                   | CURRENT                                        |                     | A                                              |                    | 0.77×2                 | 0.74×2                              | 0.71×2      | 11.0         | 10.6        | 10.3    | -        | -      |      |
|                                                                                   |                                                |                     | W                                              |                    | 100×2                  | 100×2                               | 100×2       | 2.245k       | 2.245k      | 2.245k  | -        | -      |      |
|                                                                                   | INPUT POWER                                    |                     | TOTAL W                                        |                    | -                      |                                     |             | 2.445k       | 2.445k      | 2.445k  | 840      | 3.700k |      |
|                                                                                   |                                                |                     | ANNUAL CONSUMPTION                             |                    | TOTAL kWh ※4           |                                     | -           |              |             | -       | 1222.5   | -      | -    |
|                                                                                   | EER/EER CLASS                                  |                     | TOTAL(W/W)※5/("A"~"G")                         |                    | -                      | -                                   | -           | 4.09         | 4.09 / A    | 4.09    | 3.93     | 3.38   |      |
|                                                                                   |                                                |                     | Pdsign                                         |                    | kW                     |                                     | -           | -            | -           | -       | 10.0     | -      | -    |
|                                                                                   | Erp<br>※6                                      | SEER                |                                                | (W/W)              |                        | -                                   | -           | -            | -           | 5.8     | -        | -      |      |
|                                                                                   |                                                |                     |                                                | Annual consumption |                        | kWh                                 |             | -            | -           | -       | -        | 603    | -    |
|                                                                                   |                                                | Class               |                                                |                    |                        | -                                   | -           | -            | -           | A+      | -        | -      |      |
|                                                                                   |                                                |                     |                                                |                    |                        |                                     |             | -            | -           | -       | -        | -      | -    |
|                                                                                   | POWER FACTOR                                   |                     |                                                | %                  |                        | -                                   | -           | -            | 93          | 92      | 91       | -      | -    |
| NOISE INDOOR<br>(H/M/L)                                                           |                                                |                     | dB-A                                           |                    | 34/30/26               |                                     |             |              |             |         |          |        |      |
|                                                                                   |                                                |                     | Power Level dB                                 |                    | 56/52/48               |                                     |             |              |             |         |          |        |      |
| NOISE OUTDOOR<br>(H/L)                                                            |                                                |                     | dB-A                                           |                    |                        |                                     |             | 52/-         |             |         |          |        |      |
|                                                                                   |                                                |                     | Power Level dB                                 |                    |                        |                                     |             | 69/-         |             |         |          |        |      |
| H<br>E<br>A<br>T<br>I<br>N<br>G                                                   | CAPACITY                                       |                     | kW                                             |                    | 11.2                   | 11.2                                | 11.2        |              |             |         | 4.1      | 14.0   |      |
|                                                                                   |                                                |                     | BTU/h                                          |                    | 38200                  | 38200                               | 38200       |              |             |         | 14000    | 47800  |      |
|                                                                                   | CURRENT                                        |                     | A                                              |                    | 0.77×2                 | 0.74×2                              | 0.71×2      | 11.6         | 11.2        | 10.7    | -        | -      |      |
|                                                                                   |                                                |                     | W                                              |                    | 100×2                  | 100×2                               | 100×2       | 2.400k       | 2.400k      | 2.400k  | -        | -      |      |
|                                                                                   | INPUT POWER                                    |                     | TOTAL W                                        |                    | -                      |                                     |             | 2.600k       | 2.600k      | 2.600k  | 900      | 4.400k |      |
|                                                                                   |                                                |                     | COP/COP CLASS                                  |                    | TOTAL(W/W)※5/("A"~"G") |                                     | -           | -            | -           | 4.31    | 4.31 / A | 4.31   | 4.56 |
|                                                                                   | Erp<br>※6                                      | Pdsign              |                                                | kW                 |                        | -                                   | -           | -            | -           | 10.0    | -        | -      | -    |
|                                                                                   |                                                |                     |                                                | Tbivalen           |                        | °C                                  |             | -            | -           | -       | -        | -10    | -    |
|                                                                                   |                                                | SCOP                |                                                | (W/W)              |                        | -                                   | -           | -            | -           | 3.8     | -        | -      | -    |
|                                                                                   |                                                |                     |                                                | Annual consumption |                        | kWh                                 |             | -            | -           | -       | -        | 3684   | -    |
|                                                                                   | Class                                          |                     |                                                |                    | -                      | -                                   | -           | -            | A           | -       | -        | -      | -    |
|                                                                                   |                                                |                     |                                                |                    |                        |                                     | -           | -            | -           | -       | -        | -      | -    |
|                                                                                   | POWER FACTOR                                   |                     |                                                | %                  |                        | -                                   | -           | -            | 94          | 94      | 93       | -      | -    |
|                                                                                   | NOISE INDOOR<br>(H/M/L)                        |                     |                                                | dB-A               |                        | 34/30/26                            |             |              | -           |         |          | /      | /    |
|                                                                                   |                                                |                     |                                                | Power Level dB     |                        | 56/52/48                            |             |              | -           |         |          |        |      |
|                                                                                   | NOISE OUTDOOR<br>(H/L)                         |                     |                                                | dB-A               |                        | -                                   |             |              | 52/-        |         |          | /      | /    |
| Power Level dB                                                                    |                                                |                     |                                                | -                  |                        |                                     | 69/-        |              |             |         |          |        |      |
| EXTRA LOW TEMP                                                                    |                                                |                     | Total CAPACITY(kW)/INPUT POWER(W)/COP          |                    | -                      |                                     |             |              |             |         |          |        |      |
| MAX CURRENT(A)/MAX INPUT POWER(W)                                                 |                                                |                     | 1.00×2/125×2                                   |                    | 0.96×2/125×2           | 0.92×2/125×2                        | 25.0/5.350k | 25.0/5.550k  | 25.0/5.750k | /       |          |        |      |
| STARTING CURRENT(A)/COMP OUTPUT(W)                                                |                                                |                     | -                                              |                    | -                      | -                                   | 11.6/3.0k   | 11.2/3.0k    | 10.7/3.0k   | /       |          |        |      |
| NETWORK IMPEDANCE (ΩMAX.)                                                         |                                                |                     |                                                |                    | -                      |                                     |             | -            |             |         |          |        |      |
| FM OUTPUT (W)                                                                     |                                                |                     |                                                |                    | 120                    |                                     |             | 90x2         |             |         | /        |        |      |
| MOISTURE REMOVAL VOLUME                                                           |                                                |                     | L/h(Pt/h)                                      |                    | 6.0                    | (3.0×2)                             | (12.6)      | -            |             |         |          |        |      |
| External static pressure                                                          |                                                |                     | Pa                                             |                    | 70 (MIN10 - MAX150)    |                                     |             |              |             |         |          |        |      |
| I/D AIR FLOW                                                                      | COOL                                           | m³/min (ft³/min)    | [16/15/12 (565/530/424)]×2                     |                    |                        |                                     |             |              |             |         |          |        |      |
|                                                                                   | HEAT                                           | m³/min (ft³/min)    | [16/15/12 (565/530/424)]×2                     |                    |                        |                                     |             |              |             |         |          |        |      |
| O/D AIR FLOW                                                                      | COOL                                           | m³/min (ft³/min)    |                                                |                    |                        | 110                                 |             |              | (3885)      |         |          |        |      |
|                                                                                   | HEAT                                           | m³/min (ft³/min)    |                                                |                    |                        | 95                                  |             |              | (3355)      |         |          |        |      |
| REFRIGERANT TYPE, AMOUNT g(oz)                                                    |                                                |                     |                                                |                    |                        | R410A                               |             |              | 3.40k       | (119.9) | /        |        |      |
| P<br>R<br>O<br>D<br>U<br>C<br>T<br>D<br>I<br>M<br>E<br>N<br>S<br>I<br>O<br>N<br>S | D<br>I<br>M<br>E<br>N<br>S<br>I<br>O<br>N<br>S | HEIGHT : H mm(inch) | 290 (11-13/32)                                 |                    |                        | 1416 (55-3/4)                       |             |              | /           |         |          |        |      |
|                                                                                   |                                                | WIDTH : W mm(inch)  | 800 (31-1/2)                                   |                    |                        | 940 (37-1/32)                       |             |              | /           |         |          |        |      |
|                                                                                   |                                                | DEPTH : D mm(inch)  | 700 (27-9/16)                                  |                    |                        | 340 (13-13/32)                      |             |              | /           |         |          |        |      |
| P<br>A<br>C<br>E<br>S                                                             | D<br>I<br>M<br>E<br>N<br>S<br>I<br>O<br>N<br>S | HEIGHT : H mm       | 355                                            |                    |                        | 1556                                |             |              | /           |         |          |        |      |
|                                                                                   |                                                | WIDTH : W mm        | 1014                                           |                    |                        | 1055                                |             |              | /           |         |          |        |      |
|                                                                                   |                                                | DEPTH : D mm        | 850                                            |                    |                        | 485                                 |             |              | /           |         |          |        |      |
| M<br>A<br>S<br>S                                                                  | D<br>I<br>M<br>E<br>N<br>S<br>I<br>O<br>N<br>S | (NET) kg(lb)        | 28 (62)                                        |                    |                        | 98 (216)                            |             |              | /           |         |          |        |      |
|                                                                                   |                                                | (GROSS) kg(lb)      | 35 (78)                                        |                    |                        | 108 (238)                           |             |              | /           |         |          |        |      |
| LAYERS LIMIT (actually)                                                           |                                                |                     | 9 (10)                                         |                    |                        | 1 (2)                               |             |              |             |         |          |        |      |
| Operation Condition                                                               |                                                |                     | Cool O.D(DBT)                                  |                    | 18°C ~ 32°C            |                                     |             | -15°C ~ 46°C |             |         |          |        |      |
|                                                                                   |                                                |                     | Heat O.D(DBT)                                  |                    | 16°C ~ 30°C            |                                     |             | -20°C ~ 24°C |             |         |          |        |      |
| P<br>I<br>P<br>E<br>I<br>N<br>F<br>O<br>R<br>M<br>A<br>T<br>I<br>O<br>N           | PIPE DIAMETER mm (inch)                        |                     | (Liquid)ø6.35(1/4) (Gas)ø12.7(1/2)             |                    |                        | (Liquid)ø9.52(3/8) (Gas)ø15.88(5/8) |             |              |             |         |          |        |      |
|                                                                                   | CONNECT METHOD, STD LENGTH m (ft)              |                     | flared type, 5.0(16.4)                         |                    |                        | flared type, 5.0(16.4)              |             |              |             |         |          |        |      |
|                                                                                   | PIPE LENGTH RANGE m (ft)                       |                     | 5 ~ 75 (16.4 ~ 246.1)                          |                    |                        |                                     |             |              | ~ ~         |         |          |        |      |
|                                                                                   | I/D&O/D HEIGHT DIFFERENCE m (ft)               |                     | 15 (OD located lower) / 30 (OD located higher) |                    |                        | (49.2/98.4)                         |             |              |             |         |          |        |      |
|                                                                                   | ADD GAS AMOUNT g/m (oz/ft)                     |                     | 50 (0.538)                                     |                    |                        |                                     |             |              |             |         |          |        |      |
| PIPE LENGTH FOR ADDITIONAL GAS m (ft)                                             |                                                |                     | 30 (98.4)                                      |                    |                        |                                     |             |              |             |         |          |        |      |

\*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m³/min.) shall be multiplied by 16.7 and rounded down the decimal point.

\*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.

\*3: Network Impedance shall be applicable for EUROPE and CHINA models.

\*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.

\*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.

\*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

# Simultaneous (Triple) -Type

## 1-1. Unit Specifications

### PE1

#### 4. Low Silhouette Ducted Type S-50PF1E5A×3 / U-140PE1E5A

| INDOOR                                                                  |                                   |                     | MODEL                                          |                                       | S-50PF1E5A×3 |                                     |             | U-140PE1E5A |          |        |       |        |
|-------------------------------------------------------------------------|-----------------------------------|---------------------|------------------------------------------------|---------------------------------------|--------------|-------------------------------------|-------------|-------------|----------|--------|-------|--------|
| OUTDOOR                                                                 |                                   |                     | MODEL                                          |                                       |              |                                     |             |             |          |        |       |        |
| Branch pipe                                                             |                                   |                     | MODEL                                          |                                       |              |                                     |             | CZ-P3HPC2   |          |        |       |        |
| PERFORMANCE TEST CONDITION                                              |                                   |                     | ISO13253 / EN14511 / EN12102                   |                                       |              |                                     |             |             |          |        |       |        |
| POWER SUPPLY                                                            |                                   |                     | ø, Hz                                          |                                       | 1ø 50Hz      |                                     |             | 1ø 50Hz     |          |        |       |        |
|                                                                         |                                   |                     | V                                              |                                       | 220          | 230                                 | 240         | 220         | 230      | 240    | Min   | Max    |
| C<br>O<br>O<br>L<br>I<br>N<br>G                                         | CAPACITY                          |                     | kW                                             |                                       | 14.0         | 14.0                                | 14.0        |             |          |        | 3.3   | 15.5   |
|                                                                         |                                   |                     | BTU/h                                          |                                       | 47800        | 47800                               | 47800       |             |          |        | 11300 | 52900  |
|                                                                         | CURRENT                           |                     | A                                              |                                       | 0.77×3       | 0.74×3                              | 0.71×3      | 20.1        | 19.3     | 18.6   | -     | -      |
|                                                                         | INPUT POWER                       |                     | W                                              |                                       | 100×3        | 100×3                               | 100×3       | 4.085k      | 4.085k   | 4.085k | -     | -      |
|                                                                         |                                   |                     | TOTAL W                                        |                                       |              |                                     |             | 4.385k      | 4.385k   | 4.385k | 840   | 6.000k |
|                                                                         | ANNUAL CONSUMPTION                |                     | TOTAL kWh ※4                                   |                                       |              |                                     |             | -           | 2192.5   | -      | -     | -      |
|                                                                         | EER/EER CLASS                     |                     | TOTAL(W/W)※5("A"~"G")                          |                                       | -            | -                                   | -           | 3.19        | 3.19 / A | 3.19   | 3.93  | 2.58   |
|                                                                         | Erp<br>※6                         | Pdsign              | kW                                             |                                       | -            | -                                   | -           | -           | -        | -      |       |        |
|                                                                         |                                   | SEER                | (W/W)                                          |                                       | -            | -                                   | -           | -           | -        | -      |       |        |
|                                                                         |                                   | Annual consumption  | kWh                                            |                                       | -            | -                                   | -           | -           | -        | -      |       |        |
|                                                                         |                                   | Class               |                                                |                                       | -            | -                                   | -           | -           | -        | -      |       |        |
| POWER FACTOR                                                            |                                   | %                   |                                                | -                                     | -            | -                                   | 93          | 92          | 92       | -      | -     |        |
| NOISE INDOOR (H/M/L)                                                    |                                   | dB-A                |                                                | 34/30/26                              |              |                                     |             |             |          |        |       |        |
|                                                                         |                                   | Power Level dB      |                                                | 56/52/48                              |              |                                     |             |             |          |        |       |        |
| NOISE OUTDOOR (H/L)                                                     |                                   | dB-A                |                                                |                                       |              |                                     | 54/-        |             |          |        |       |        |
|                                                                         |                                   | Power Level dB      |                                                |                                       |              |                                     | 71/-        |             |          |        |       |        |
| H<br>E<br>A<br>T<br>I<br>N<br>G                                         | CAPACITY                          |                     | kW                                             |                                       | 16.0         | 16.0                                | 16.0        |             |          |        | 4.1   | 18.0   |
|                                                                         |                                   |                     | BTU/h                                          |                                       | 54600        | 54600                               | 54600       |             |          |        | 14000 | 61400  |
|                                                                         | CURRENT                           |                     | A                                              |                                       | 0.77×3       | 0.74×3                              | 0.71×3      | 19.9        | 19.1     | 18.4   | -     | -      |
|                                                                         | INPUT POWER                       |                     | W                                              |                                       | 100×3        | 100×3                               | 100×3       | 4.215k      | 4.215k   | 4.215k | -     | -      |
|                                                                         |                                   |                     | TOTAL W                                        |                                       |              |                                     |             | 4.515k      | 4.515k   | 4.515k | 900   | 5.900k |
|                                                                         | COP/COP CLASS                     |                     | TOTAL(W/W)※5("A"~"G")                          |                                       | -            | -                                   | -           | 3.54        | 3.54 / A | 3.54   | 4.56  | 3.05   |
|                                                                         | Erp<br>※6                         | Pdsign              | kW                                             |                                       | -            | -                                   | -           | -           | -        | -      |       |        |
|                                                                         |                                   | Tbivalen            | °C                                             |                                       | -            | -                                   | -           | -           | -        | -      |       |        |
|                                                                         |                                   | SCOP                | (W/W)                                          |                                       | -            | -                                   | -           | -           | -        | -      |       |        |
|                                                                         |                                   | Annual consumption  | kWh                                            |                                       | -            | -                                   | -           | -           | -        | -      |       |        |
|                                                                         |                                   | Class               |                                                |                                       | -            | -                                   | -           | -           | -        | -      |       |        |
|                                                                         | POWER FACTOR                      |                     | %                                              |                                       | -            | -                                   | -           | 96          | 96       | 95     | -     | -      |
|                                                                         | NOISE INDOOR (H/M/L)              |                     | dB-A                                           |                                       | 34/30/26     |                                     |             |             |          |        | /     | /      |
|                                                                         |                                   |                     | Power Level dB                                 |                                       | 56/52/48     |                                     |             |             |          |        |       |        |
|                                                                         | NOISE OUTDOOR (H/L)               |                     | dB-A                                           |                                       |              |                                     |             | 55/-        |          |        | /     | /      |
|                                                                         |                                   |                     | Power Level dB                                 |                                       |              |                                     |             | 71/-        |          |        |       |        |
|                                                                         | EXTRA LOW TEMP                    |                     |                                                | Total CAPACITY(kW)/INPUT POWER(W)/COP |              |                                     |             |             |          |        |       |        |
| MAX CURRENT(A)/MAX INPUT POWER(W)                                       |                                   |                     | 1.00×3/125×3                                   | 0.96×3/125×3                          | 0.92×3/125×3 | 30.0/6.450k                         | 30.0/6.650k | 30.0/6.850k | /        |        |       |        |
| STARTING CURRENT(A)/COMP OUTPUT(W)                                      |                                   |                     | -                                              | -                                     | -            | 20.1/3.0k                           | 19.3/3.0k   | 18.6/3.0k   | /        |        |       |        |
| NETWORK IMPEDANCE (QMAX.)                                               |                                   |                     |                                                |                                       |              |                                     |             |             |          |        |       |        |
| FM OUTPUT (W)                                                           |                                   |                     | 120                                            |                                       |              | 90x2                                |             |             | /        |        |       |        |
| MOISTURE REMOVAL VOLUME                                                 |                                   |                     | L/h(Pt/h)                                      | 9.0                                   | (3.0×3)      | (18.9)                              |             |             |          |        |       |        |
| External static pressure                                                |                                   |                     | Pa                                             | 70 (MIN10 - MAX150)                   |              |                                     |             |             |          |        |       |        |
| I/D AIR FLOW                                                            | COOL                              | m³/min (ft³/min)    | [16/15/12 (565/530/424)]×3                     |                                       |              |                                     |             |             |          |        |       |        |
|                                                                         | HEAT                              | m³/min (ft³/min)    | [16/15/12 (565/530/424)]×3                     |                                       |              |                                     |             |             |          |        |       |        |
| O/D AIR FLOW                                                            | COOL                              | m³/min (ft³/min)    |                                                |                                       |              | 135                                 | (4767)      |             |          |        |       |        |
|                                                                         | HEAT                              | m³/min (ft³/min)    |                                                |                                       |              | 120                                 | (4238)      |             |          |        |       |        |
| REFRIGERANT TYPE, AMOUNT g(oz)                                          |                                   |                     |                                                |                                       |              | R410A                               | 3.40k       | (119.9)     | /        |        |       |        |
| P<br>R<br>O<br>M                                                        | D                                 | HEIGHT : H mm(inch) | 290 (11-13/32)                                 |                                       |              | 1416 (55-3/4)                       |             |             | /        |        |       |        |
|                                                                         | I                                 | WIDTH : W mm(inch)  | 800 (31-1/2)                                   |                                       |              | 940 (37-1/32)                       |             |             | /        |        |       |        |
|                                                                         | M                                 | DEPTH : D mm(inch)  | 700 (27-9/16)                                  |                                       |              | 340 (13-13/32)                      |             |             | /        |        |       |        |
| P<br>A<br>C<br>M                                                        | D                                 | HEIGHT : H mm       | 355                                            |                                       |              | 1556                                |             |             | /        |        |       |        |
|                                                                         | I                                 | WIDTH : W mm        | 1014                                           |                                       |              | 1055                                |             |             | /        |        |       |        |
|                                                                         | M                                 | DEPTH : D mm        | 850                                            |                                       |              | 485                                 |             |             | /        |        |       |        |
| MASS                                                                    |                                   | (NET) kg(lb)        | 28 (62)                                        |                                       |              | 98 (216)                            |             |             | /        |        |       |        |
|                                                                         |                                   | (GROSS) kg(lb)      | 35 (78)                                        |                                       |              | 108 (238)                           |             |             | /        |        |       |        |
| LAYERS LIMIT (actually)                                                 |                                   |                     | 9 (10)                                         |                                       |              | 1 (2)                               |             |             |          |        |       |        |
| Operation                                                               |                                   | Cool O.D(DBT)       | 18°C ~ 32°C                                    |                                       |              | -15°C ~ 46°C                        |             |             |          |        |       |        |
| Condition                                                               |                                   | Heat O.D(DBT)       | 16°C ~ 30°C                                    |                                       |              | -20°C ~ 24°C                        |             |             |          |        |       |        |
| P<br>I<br>P<br>E<br>I<br>N<br>F<br>O<br>R<br>M<br>A<br>T<br>I<br>O<br>N | PIPE DIAMETER mm (inch)           |                     | (Liquid)ø6.35(1/4) (Gas)ø12.7(1/2)             |                                       |              | (Liquid)ø9.52(3/8) (Gas)ø15.88(5/8) |             |             |          |        |       |        |
|                                                                         | CONNECT METHOD, STD LENGTH m (ft) |                     | flared type, 5.0(16.4)                         |                                       |              | flared type, 5.0(16.4)              |             |             |          |        |       |        |
|                                                                         | PIPE LENGTH RANGE m (ft)          |                     | 5 ~ 75 (16.4 ~ 246.1)                          |                                       |              |                                     |             |             | ~        | ~      |       |        |
|                                                                         | I/D&O/D HEIGHT DIFFERENCE m (ft)  |                     | 15 (OD located lower) / 30 (OD located higher) |                                       |              | (49.2/98.4)                         |             |             |          |        |       |        |
|                                                                         | ADD GAS AMOUNT g/m (oz/ft)        |                     | 50 (0.538)                                     |                                       |              |                                     |             |             |          |        |       |        |
| PIPE LENGTH FOR ADDITIONAL GAS m (ft)                                   |                                   | 20 (65.6)           |                                                |                                       |              |                                     |             |             |          |        |       |        |

\*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m³/min.) shall be multiplied by 16.7 and rounded down the decimal point.

\*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.

\*3: Network Impedance shall be applicable for EUROPE and CHINA models.

\*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.

\*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.

\*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

# Single -Type

## 1-1. Unit Specifications

### PE1

#### 4. Low Silhouette Ducted Type S-60PF1E5A / U-60PE1E5A

| INDOOR                                               |                                   |                        | MODEL                                          |          | S-60PF1E5A                             |                                     |             |             |          |          |      |        |
|------------------------------------------------------|-----------------------------------|------------------------|------------------------------------------------|----------|----------------------------------------|-------------------------------------|-------------|-------------|----------|----------|------|--------|
| OUTDOOR                                              |                                   |                        | MODEL                                          |          |                                        |                                     |             | U-60PE1E5A  |          |          |      |        |
| Branch pipe                                          |                                   |                        | MODEL                                          |          |                                        |                                     |             | -           |          |          |      |        |
| PERFORMANCE TEST CONDITION                           |                                   |                        |                                                |          | ISO13253 / EN14511 / EN14825 / EN12102 |                                     |             |             |          |          |      |        |
| POWER SUPPLY                                         |                                   |                        | ø, Hz                                          |          | 1ø 50Hz                                |                                     |             | 1ø 50Hz     |          |          |      |        |
|                                                      |                                   |                        | V                                              |          | 220                                    | 230                                 | 240         | 220         | 230      | 240      | Min  | Max    |
| C<br>O<br>O<br>L<br>I<br>N<br>G                      | CAPACITY                          |                        | kW                                             |          | 6.00                                   | 6.00                                | 6.00        |             |          |          | 2.5  | 7.1    |
|                                                      |                                   |                        | BTU/h                                          |          | 20500                                  | 20500                               | 20500       |             |          |          | 8500 | 24200  |
|                                                      | CURRENT                           |                        | A                                              |          | 0.91                                   | 0.89                                | 0.87        | 7.70        | 7.40     | 7.10     | -    | -      |
|                                                      |                                   |                        | W                                              |          | 120                                    | 120                                 | 120         | 1.420k      | 1.420k   | 1.420k   | -    | -      |
|                                                      | INPUT POWER                       |                        | TOTAL W                                        |          |                                        |                                     |             | 1.540k      | 1.540k   | 1.540k   | 530  | 2.000k |
|                                                      |                                   |                        | ANNUAL CONSUMPTION TOTAL kWh ※4                |          |                                        |                                     |             | -           | 770      | -        | -    | -      |
|                                                      | EER/EER CLASS                     |                        | TOTAL(W/W)※5("A"~"G")                          |          | -                                      | -                                   | -           | 3.90 / A    | 3.90 / A | 3.90 / A | 4.72 | 3.55   |
|                                                      |                                   |                        | Pdsign kW                                      |          | -                                      | -                                   | -           | -           | 6.0      | -        |      |        |
|                                                      | Erp<br>※6                         | SEER (W/W)             |                                                | -        | -                                      | -                                   | -           | 6.4         | -        |          |      |        |
|                                                      |                                   | Annual consumption kWh |                                                | -        | -                                      | -                                   | -           | 328         | -        |          |      |        |
|                                                      |                                   | Class                  |                                                | -        | -                                      | -                                   | -           | A++         | -        |          |      |        |
|                                                      |                                   | POWER FACTOR %         |                                                | -        | -                                      | -                                   | 91          | 90          | 90       | -        | -    |        |
|                                                      | NOISE INDOOR (H/M/L)              |                        | dB-A                                           |          | 35/32/26                               |                                     |             |             |          |          |      |        |
|                                                      |                                   |                        | Power Level dB                                 |          | 57/54/48                               |                                     |             |             |          |          |      |        |
| NOISE OUTDOOR (H/L)                                  |                                   | dB-A                   |                                                |          |                                        |                                     | 48          |             |          |          |      |        |
|                                                      |                                   | Power Level dB         |                                                |          |                                        |                                     | 65          |             |          |          |      |        |
| H<br>E<br>A<br>T<br>I<br>N<br>G                      | CAPACITY                          |                        | kW                                             |          | 7.00                                   | 7.00                                | 7.00        |             |          |          | 2.0  | 8.0    |
|                                                      |                                   |                        | BTU/h                                          |          | 23900                                  | 23900                               | 23900       |             |          |          | 6800 | 27300  |
|                                                      | CURRENT                           |                        | A                                              |          | 0.91                                   | 0.89                                | 0.87        | 8.70        | 8.40     | 8.10     | -    | -      |
|                                                      |                                   |                        | W                                              |          | 120                                    | 120                                 | 120         | 1.690k      | 1.690k   | 1.690k   | -    | -      |
|                                                      | INPUT POWER                       |                        | TOTAL W                                        |          |                                        |                                     |             | 1.810k      | 1.810k   | 1.810k   | 480  | 2.480k |
|                                                      |                                   |                        | COP/COP CLASS TOTAL(W/W)※5("A"~"G")            |          | -                                      | -                                   | -           | 3.87 / A    | 3.87 / A | 3.87 / A | 4.17 | 3.23   |
|                                                      | Erp<br>※6                         | Pdsign kW              |                                                | -        | -                                      | -                                   | -           | 6.0         | -        |          |      |        |
|                                                      |                                   | Tbivalen °C            |                                                | -        | -                                      | -                                   | -           | -10         | -        |          |      |        |
|                                                      |                                   | SCOP (W/W)             |                                                | -        | -                                      | -                                   | -           | 3.9         | -        |          |      |        |
|                                                      |                                   | Annual consumption kWh |                                                | -        | -                                      | -                                   | -           | 2154        | -        |          |      |        |
|                                                      | POWER FACTOR                      |                        | Class                                          |          | -                                      | -                                   | -           | -           | A        | -        |      |        |
|                                                      |                                   |                        | %                                              |          | -                                      | -                                   | -           | 95          | 94       | 93       | -    | -      |
|                                                      | NOISE INDOOR (H/M/L)              |                        | dB-A                                           |          | 35/32/26                               |                                     |             |             |          |          | /    | /      |
|                                                      |                                   |                        | Power Level dB                                 |          | 57/54/48                               |                                     |             |             |          |          |      |        |
| NOISE OUTDOOR (H/L)                                  |                                   | dB-A                   |                                                |          |                                        |                                     | 50          |             |          | /        | /    |        |
|                                                      |                                   | Power Level dB         |                                                |          |                                        |                                     | 67          |             |          |          |      |        |
| EXTRA LOW TEMP Total CAPACITY(kW)/INPUT POWER(W)/COP |                                   |                        |                                                |          |                                        | -                                   |             |             |          |          |      |        |
| MAX CURRENT(A)/MAX INPUT POWER(W)                    |                                   |                        | 1.26/160                                       | 1.20/160 | 1.15/160                               | 18.0/3.800k                         | 18.0/3.930k | 18.0/4.060k | /        |          |      |        |
| STARTING CURRENT(A)/COMP OUTPUT(W)                   |                                   |                        | -                                              | -        | -                                      | 8.70/1.700k                         | 8.40/1.700k | 8.10/1.700k | /        |          |      |        |
| NETWORK IMPEDANCE (ΩMAX.)                            |                                   |                        |                                                |          |                                        |                                     |             |             |          |          |      |        |
| FM OUTPUT (W)                                        |                                   |                        | 120                                            |          |                                        | 90                                  |             |             | /        |          |      |        |
| MOISTURE REMOVAL VOLUME L/h(Pt/h)                    |                                   |                        | 3.4                                            | (7.1)    |                                        |                                     |             |             |          |          |      |        |
| External static pressure Pa                          |                                   |                        | 70 (MIN10 - MAX150)                            |          |                                        |                                     |             |             |          |          |      |        |
| I/D AIR FLOW                                         | COOL                              | m³/min (ft³/min)       | 21/19/15 (742/671/530)                         |          |                                        |                                     |             |             |          |          |      |        |
|                                                      | HEAT                              | m³/min (ft³/min)       | 21/19/15 (742/671/530)                         |          |                                        |                                     |             |             |          |          |      |        |
| O/D AIR FLOW                                         | COOL                              | m³/min (ft³/min)       |                                                |          |                                        | 60                                  | (2119)      |             |          |          |      |        |
|                                                      | HEAT                              | m³/min (ft³/min)       |                                                |          |                                        | 60                                  | (2119)      |             |          |          |      |        |
| REFRIGERANT TYPE, AMOUNT g(oz)                       |                                   |                        |                                                |          |                                        | R410A                               | 2.00k       | (70.5)      | /        |          |      |        |
| P<br>R<br>O<br>M                                     | D                                 | HEIGHT : H mm(inch)    | 290 (11-13/32)                                 |          |                                        | 996 (39-7/32)                       |             |             | /        |          |      |        |
|                                                      | I                                 | WIDTH : W mm(inch)     | 1000 (39-3/8)                                  |          |                                        | 940 (37-1/32)                       |             |             | /        |          |      |        |
|                                                      | M                                 | DEPTH : D mm(inch)     | 700 (27-9/16)                                  |          |                                        | 340 (13-13/32)                      |             |             | /        |          |      |        |
| P<br>A<br>I<br>C<br>M                                | D                                 | HEIGHT : H mm          | 355                                            |          |                                        | 1136                                |             |             | /        |          |      |        |
|                                                      | I                                 | WIDTH : W mm           | 1214                                           |          |                                        | 1055                                |             |             | /        |          |      |        |
|                                                      | M                                 | DEPTH : D mm           | 850                                            |          |                                        | 485                                 |             |             | /        |          |      |        |
| MASS                                                 |                                   | (NET) kg(lb)           | 33 (73)                                        |          |                                        | 68 (150)                            |             |             | /        |          |      |        |
|                                                      |                                   | (GROSS) kg(lb)         | 41 (91)                                        |          |                                        | 76 (168)                            |             |             | /        |          |      |        |
| LAYERS LIMIT (actually)                              |                                   |                        | 9 (10)                                         |          |                                        | 2 (3)                               |             |             |          |          |      |        |
| Operation Condition                                  |                                   | Cool O.D(DBT)          | 18°C ~ 32°C                                    |          |                                        | -15°C ~ 46°C                        |             |             |          |          |      |        |
|                                                      |                                   | Heat O.D(DBT)          | 16°C ~ 30°C                                    |          |                                        | -20°C ~ 24°C                        |             |             |          |          |      |        |
| P<br>I<br>P<br>I<br>N<br>G                           | PIPE DIAMETER mm (inch)           |                        | (Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)            |          |                                        | (Liquid)ø9.52(3/8) (Gas)ø15.88(5/8) |             |             |          |          |      |        |
|                                                      | CONNECT METHOD, STD LENGTH m (ft) |                        | flared type, 5.0(16.4)                         |          |                                        | flared type, 5.0(16.4)              |             |             |          |          |      |        |
|                                                      | PIPE LENGTH RANGE m (ft)          |                        | 5 ~ 50 (16.4 ~ 164.0)                          |          |                                        |                                     |             |             | ~        | ~        |      |        |
|                                                      | I/D&O/D HEIGHT DIFFERENCE m (ft)  |                        | 15 (OD located lower) / 30 (OD located higher) |          |                                        | (49.2/98.4)                         |             |             |          |          |      |        |
|                                                      | ADD GAS AMOUNT g/m (oz/ft)        |                        | 50 (0.538)                                     |          |                                        |                                     |             |             |          |          |      |        |
| PIPE LENGTH FOR ADDITIONAL GAS m (ft)                |                                   | 30 (98.4)              |                                                |          |                                        |                                     |             |             |          |          |      |        |

\*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m<sup>3</sup>/min.) shall be multiplied by 16.7 and rounded down the decimal point.

\*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.

\*3: Network Impedance shall be applicable for EUROPE and CHINA models.

\*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.

\*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.

\*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

# Simultaneous (Twin) -Type

## 1-1. Unit Specifications

### PE1

#### 4. Low Silhouette Ducted Type S-60PF1E5A×2 / U-125PE1E5A

| INDOOR                                |                                                      |                     | MODEL                                          |              | S-60PF1E5A×2 |                                     |             | U-125PE1E5A |          |        |       |        |
|---------------------------------------|------------------------------------------------------|---------------------|------------------------------------------------|--------------|--------------|-------------------------------------|-------------|-------------|----------|--------|-------|--------|
| OUTDOOR                               |                                                      |                     | MODEL                                          |              |              |                                     |             |             |          |        |       |        |
| Branch pipe                           |                                                      |                     | MODEL                                          |              |              |                                     |             | CZ-P155BK1  |          |        |       |        |
| PERFORMANCE TEST CONDITION            |                                                      |                     | ISO13253 / EN14511 / EN12102                   |              |              |                                     |             |             |          |        |       |        |
| POWER SUPPLY                          |                                                      |                     | ø, Hz                                          |              | 1ø 50Hz      |                                     |             | 1ø 50Hz     |          |        |       |        |
|                                       |                                                      |                     | V                                              |              | 220          | 230                                 | 240         | 220         | 230      | 240    | Min   | Max    |
| C<br>O<br>O<br>L<br>I<br>N<br>G       | CAPACITY                                             |                     | kW                                             |              | 12.5         | 12.5                                | 12.5        |             |          |        | 3.3   | 14.0   |
|                                       |                                                      |                     | BTU/h                                          |              | 42700        | 42700                               | 42700       |             |          |        | 11300 | 47800  |
|                                       | CURRENT                                              |                     | A                                              |              | 0.91×2       | 0.89×2                              | 0.87×2      | 16.6        | 15.9     | 15.3   | -     | -      |
|                                       | INPUT POWER                                          |                     | W                                              |              | 120×2        | 120×2                               | 120×2       | 3.355k      | 3.355k   | 3.355k | -     | -      |
|                                       |                                                      |                     | TOTAL W                                        |              |              |                                     |             | 3.595k      | 3.595k   | 3.595k | 840   | 4.600k |
|                                       | ANNUAL CONSUMPTION                                   |                     | TOTAL kWh ※4                                   |              |              |                                     |             | -           | 1797.5   | -      | -     | -      |
|                                       | EER/EER CLASS                                        |                     | TOTAL(W/W)※5("A"~"G")                          |              | -            | -                                   | -           | 3.48        | 3.48 / A | 3.48   | 3.93  | 3.04   |
|                                       | Erp<br>※6                                            | Pdsign              | kW                                             | -            | -            | -                                   | -           | -           | -        | -      |       |        |
|                                       |                                                      | SEER                | (W/W)                                          | -            | -            | -                                   | -           | -           | -        | -      |       |        |
|                                       |                                                      | Annual consumption  | kWh                                            | -            | -            | -                                   | -           | -           | -        | -      |       |        |
|                                       |                                                      | Class               |                                                | -            | -            | -                                   | -           | -           | -        | -      |       |        |
| POWER FACTOR                          |                                                      | %                   |                                                | -            | -            | -                                   | 92          | 92          | 91       | -      | -     |        |
| NOISE INDOOR (H/M/L)                  |                                                      | dB-A                |                                                | 35/32/26     |              |                                     |             |             |          |        |       |        |
|                                       |                                                      | Power Level dB      |                                                | 57/54/48     |              |                                     |             |             |          |        |       |        |
| NOISE OUTDOOR (H/L)                   |                                                      | dB-A                |                                                |              |              |                                     | 53/-        |             |          |        |       |        |
|                                       |                                                      | Power Level dB      |                                                |              |              |                                     | 70/-        |             |          |        |       |        |
| H<br>E<br>A<br>T<br>I<br>N<br>G       | CAPACITY                                             |                     | kW                                             |              | 14.0         | 14.0                                | 14.0        |             |          |        | 4.1   | 16.0   |
|                                       |                                                      |                     | BTU/h                                          |              | 47800        | 47800                               | 47800       |             |          |        | 14000 | 54600  |
|                                       | CURRENT                                              |                     | A                                              |              | 0.91×2       | 0.89×2                              | 0.87×2      | 16.3        | 15.8     | 15.1   | -     | -      |
|                                       | INPUT POWER                                          |                     | W                                              |              | 120×2        | 120×2                               | 120×2       | 3.270k      | 3.270k   | 3.270k | -     | -      |
|                                       |                                                      |                     | TOTAL W                                        |              |              |                                     |             | 3.510k      | 3.510k   | 3.510k | 900   | 5.200k |
|                                       | COP/COP CLASS                                        |                     | TOTAL(W/W)※5("A"~"G")                          |              | -            | -                                   | -           | 3.99        | 3.99 / A | 3.99   | 4.56  | 3.08   |
|                                       | Erp<br>※6                                            | Pdsign              | kW                                             | -            | -            | -                                   | -           | -           | -        | -      |       |        |
|                                       |                                                      | Tbivalen            | °C                                             | -            | -            | -                                   | -           | -           | -        | -      |       |        |
|                                       |                                                      | SCOP                | (W/W)                                          | -            | -            | -                                   | -           | -           | -        | -      |       |        |
|                                       |                                                      | Annual consumption  | kWh                                            | -            | -            | -                                   | -           | -           | -        | -      |       |        |
|                                       |                                                      | Class               |                                                | -            | -            | -                                   | -           | -           | -        | -      |       |        |
|                                       | POWER FACTOR                                         |                     | %                                              |              | -            | -                                   | -           | 91          | 90       | 90     | -     | -      |
|                                       | NOISE INDOOR (H/M/L)                                 |                     | dB-A                                           |              | 35/32/26     |                                     |             |             |          |        | /     | /      |
|                                       |                                                      |                     | Power Level dB                                 |              | 57/54/48     |                                     |             |             |          |        |       |        |
|                                       | NOISE OUTDOOR (H/L)                                  |                     | dB-A                                           |              |              |                                     |             | 53/-        |          |        | /     | /      |
|                                       |                                                      |                     | Power Level dB                                 |              |              |                                     |             | 70/-        |          |        |       |        |
|                                       | EXTRA LOW TEMP Total CAPACITY(kW)/INPUT POWER(W)/COP |                     |                                                | -            |              |                                     |             |             |          |        |       |        |
| MAX CURRENT(A)/MAX INPUT POWER(W)     |                                                      |                     | 1.26×2/160×2                                   | 1.20×2/160×2 | 1.15×2/160×2 | 28.0/6.000k                         | 28.0/6.200k | 28.0/6.400k | /        |        |       |        |
| STARTING CURRENT(A)/COMP OUTPUT(W)    |                                                      |                     | -                                              | -            | -            | 16.6/3.0k                           | 15.9/3.0k   | 15.3/3.0k   | /        |        |       |        |
| NETWORK IMPEDANCE (QMAX.)             |                                                      |                     |                                                |              |              |                                     |             |             |          |        |       |        |
| FM OUTPUT (W)                         |                                                      |                     | 120                                            |              |              | 90×2                                |             |             | /        |        |       |        |
| MOISTURE REMOVAL VOLUME L/h(Pt/h)     |                                                      |                     | 7.9                                            | (3.95×2)     | (16.6)       |                                     |             |             |          |        |       |        |
| External static pressure Pa           |                                                      |                     | 70 (MIN10 - MAX150)                            |              |              |                                     |             |             |          |        |       |        |
| I/D AIR FLOW                          | COOL                                                 | m³/min (ft³/min)    | [21/19/15 (742/671/530)]×2                     |              |              |                                     |             |             |          |        |       |        |
|                                       | HEAT                                                 | m³/min (ft³/min)    | [21/19/15 (742/671/530)]×2                     |              |              |                                     |             |             |          |        |       |        |
| O/D AIR FLOW                          | COOL                                                 | m³/min (ft³/min)    |                                                |              |              | 130                                 | (4591)      |             |          |        |       |        |
|                                       | HEAT                                                 | m³/min (ft³/min)    |                                                |              |              | 110                                 | (3885)      |             |          |        |       |        |
| REFRIGERANT TYPE, AMOUNT g(oz)        |                                                      |                     |                                                |              |              | R410A                               | 3.40k       | (119.9)     | /        |        |       |        |
| P<br>R<br>O<br>M                      | D                                                    | HEIGHT : H mm(inch) | 290 (11-13/32)                                 |              |              | 1416 (55-3/4)                       |             |             | /        |        |       |        |
|                                       | I                                                    | WIDTH : W mm(inch)  | 1000 (39-3/8)                                  |              |              | 940 (37-1/32)                       |             |             | /        |        |       |        |
|                                       | M                                                    | DEPTH : D mm(inch)  | 700 (27-9/16)                                  |              |              | 340 (13-13/32)                      |             |             | /        |        |       |        |
| P<br>A<br>C<br>M                      | D                                                    | HEIGHT : H mm       | 355                                            |              |              | 1556                                |             |             | /        |        |       |        |
|                                       | I                                                    | WIDTH : W mm        | 1214                                           |              |              | 1055                                |             |             | /        |        |       |        |
|                                       | M                                                    | DEPTH : D mm        | 850                                            |              |              | 485                                 |             |             | /        |        |       |        |
| MASS                                  |                                                      | (NET) kg(lb)        | 33 (73)                                        |              |              | 98 (216)                            |             |             | /        |        |       |        |
|                                       |                                                      | (GROSS) kg(lb)      | 41 (91)                                        |              |              | 108 (238)                           |             |             | /        |        |       |        |
| LAYERS LIMIT (actually)               |                                                      |                     | 9 (10)                                         |              |              | 1 (2)                               |             |             |          |        |       |        |
| Operation Condition                   |                                                      | Cool O.D(DBT)       | 18°C ~ 32°C                                    |              |              | -15°C ~ 46°C                        |             |             |          |        |       |        |
|                                       |                                                      | Heat O.D(DBT)       | 16°C ~ 30°C                                    |              |              | -20°C ~ 24°C                        |             |             |          |        |       |        |
| P<br>I<br>P<br>I<br>N<br>G            | PIPE DIAMETER mm (inch)                              |                     | (Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)            |              |              | (Liquid)ø9.52(3/8) (Gas)ø15.88(5/8) |             |             |          |        |       |        |
|                                       | CONNECT METHOD, STD LENGTH m (ft)                    |                     | flared type, 5.0(16.4)                         |              |              | flared type, 5.0(16.4)              |             |             |          |        |       |        |
|                                       | PIPE LENGTH RANGE m (ft)                             |                     | 5 ~ 75 (16.4 ~ 246.1)                          |              |              |                                     |             |             | ~        | ~      |       |        |
|                                       | I/D&O/D HEIGHT DIFFERENCE m (ft)                     |                     | 15 (OD located lower) / 30 (OD located higher) |              |              | (49.2/98.4)                         |             |             |          |        |       |        |
|                                       | ADD GAS AMOUNT g/m (oz/ft)                           |                     | 50 (0.538)                                     |              |              |                                     |             |             |          |        |       |        |
| PIPE LENGTH FOR ADDITIONAL GAS m (ft) |                                                      | 30 (98.4)           |                                                |              |              |                                     |             |             |          |        |       |        |

\*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m³/min.) shall be multiplied by 16.7 and rounded down the decimal point.

\*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.

\*3: Network Impedance shall be applicable for EUROPE and CHINA models.

\*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.

\*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.

\*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

# Single -Type

## 1-1. Unit Specifications

### PE1

#### 4. Low Silhouette Ducted Type S-71PF1E5A / U-71PE1E5A

| INDOOR                                               |                                   |                     | MODEL                                          |          | S-71PF1E5A                             |                                     |             |             |          |          |      |        |
|------------------------------------------------------|-----------------------------------|---------------------|------------------------------------------------|----------|----------------------------------------|-------------------------------------|-------------|-------------|----------|----------|------|--------|
| OUTDOOR                                              |                                   |                     | MODEL                                          |          |                                        |                                     |             | U-71PE1E5A  |          |          |      |        |
| Branch pipe                                          |                                   |                     | MODEL                                          |          |                                        |                                     |             | -           |          |          |      |        |
| PERFORMANCE TEST CONDITION                           |                                   |                     |                                                |          | ISO13253 / EN14511 / EN14825 / EN12102 |                                     |             |             |          |          |      |        |
| POWER SUPPLY                                         |                                   |                     | ø, Hz                                          |          | 1ø 50Hz                                |                                     |             | 1ø 50Hz     |          |          |      |        |
|                                                      |                                   |                     | V                                              |          | 220                                    | 230                                 | 240         | 220         | 230      | 240      | Min  | Max    |
| C<br>O<br>O<br>L<br>I<br>N<br>G                      | CAPACITY                          |                     | kW                                             |          | 7.10                                   | 7.10                                | 7.10        |             |          |          | 2.5  | 8.0    |
|                                                      |                                   |                     | BTU/h                                          |          | 24200                                  | 24200                               | 24200       |             |          |          | 8500 | 27300  |
|                                                      | CURRENT                           |                     | A                                              |          | 0.91                                   | 0.89                                | 0.87        | 8.90        | 8.60     | 8.30     | -    | -      |
|                                                      |                                   |                     | W                                              |          | 120                                    | 120                                 | 120         | 1.730k      | 1.730k   | 1.730k   | -    | -      |
|                                                      | INPUT POWER                       |                     | TOTAL W                                        |          |                                        |                                     |             | 1.850k      | 1.850k   | 1.850k   | 530  | 2.650k |
|                                                      |                                   |                     | TOTAL kWh ※4                                   |          |                                        |                                     |             | -           | 925      | -        | -    | -      |
|                                                      | EER/EER CLASS                     |                     | TOTAL(W/W)※5/("A"~"G")                         |          | -                                      | -                                   | -           | 3.84 / A    | 3.84 / A | 3.84 / A | 4.72 | 3.02   |
|                                                      |                                   |                     | Pdsign kW                                      |          | -                                      | -                                   | -           | -           | 7.1      | -        |      |        |
|                                                      | Erp<br>※6                         |                     | SEER (W/W)                                     |          | -                                      | -                                   | -           | -           | 6.4      | -        |      |        |
|                                                      |                                   |                     | Annual consumption kWh                         |          | -                                      | -                                   | -           | -           | 388      | -        |      |        |
|                                                      |                                   |                     | Class                                          |          | -                                      | -                                   | -           | -           | A++      | -        |      |        |
| POWER FACTOR %                                       |                                   |                     | -                                              | -        | -                                      | 94                                  | 94          | 93          | -        | -        |      |        |
| NOISE INDOOR (H/M/L)                                 |                                   | dB-A                |                                                | 35/32/26 |                                        |                                     |             |             |          |          |      |        |
|                                                      |                                   | Power Level dB      |                                                | 57/54/48 |                                        |                                     |             |             |          |          |      |        |
| NOISE OUTDOOR (H/L)                                  |                                   | dB-A                |                                                |          |                                        |                                     | 48          |             |          |          |      |        |
|                                                      |                                   | Power Level dB      |                                                |          |                                        |                                     | 65          |             |          |          |      |        |
| H<br>E<br>A<br>T<br>I<br>N<br>G                      | CAPACITY                          |                     | kW                                             |          | 8.00                                   | 8.00                                | 8.00        |             |          |          | 2.0  | 9.0    |
|                                                      |                                   |                     | BTU/h                                          |          | 27300                                  | 27300                               | 27300       |             |          |          | 6800 | 30700  |
|                                                      | CURRENT                           |                     | A                                              |          | 0.91                                   | 0.89                                | 0.87        | 9.90        | 9.50     | 9.20     | -    | -      |
|                                                      |                                   |                     | W                                              |          | 120                                    | 120                                 | 120         | 1.960k      | 1.960k   | 1.960k   | -    | -      |
|                                                      | INPUT POWER                       |                     | TOTAL W                                        |          |                                        |                                     |             | 2.080k      | 2.080k   | 2.080k   | 480  | 2.900k |
|                                                      |                                   |                     | TOTAL(W/W)※5/("A"~"G")                         |          | -                                      | -                                   | -           | 3.85 / A    | 3.85 / A | 3.85 / A | 4.17 | 3.10   |
|                                                      | Erp<br>※6                         |                     | Pdsign kW                                      |          | -                                      | -                                   | -           | -           | 7.1      | -        |      |        |
|                                                      |                                   |                     | Tbivalen °C                                    |          | -                                      | -                                   | -           | -           | -9       | -        |      |        |
|                                                      |                                   |                     | SCOP (W/W)                                     |          | -                                      | -                                   | -           | -           | 4.0      | -        |      |        |
|                                                      |                                   |                     | Annual consumption kWh                         |          | -                                      | -                                   | -           | -           | 2485     | -        |      |        |
|                                                      |                                   |                     | Class                                          |          | -                                      | -                                   | -           | -           | A+       | -        |      |        |
|                                                      | POWER FACTOR %                    |                     | -                                              | -        | -                                      | 96                                  | 95          | 94          | -        | -        |      |        |
|                                                      | NOISE INDOOR (H/M/L)              |                     | dB-A                                           |          | 35/32/26                               |                                     |             |             |          |          | /    | /      |
|                                                      |                                   |                     | Power Level dB                                 |          | 57/54/48                               |                                     |             |             |          |          |      |        |
|                                                      | NOISE OUTDOOR (H/L)               |                     | dB-A                                           |          |                                        |                                     |             | 50          |          |          | /    | /      |
| Power Level dB                                       |                                   |                     |                                                |          |                                        | 67                                  |             |             |          |          |      |        |
| EXTRA LOW TEMP Total CAPACITY(kW)/INPUT POWER(W)/COP |                                   |                     |                                                |          |                                        |                                     |             |             |          |          |      |        |
| MAX CURRENT(A)/MAX INPUT POWER(W)                    |                                   |                     | 1.26/160                                       | 1.20/160 | 1.15/160                               | 18.0/3.800k                         | 18.0/3.930k | 18.0/4.060k |          |          |      |        |
| STARTING CURRENT(A)/COMP OUTPUT(W)                   |                                   |                     | -                                              | -        | -                                      | 9.90/2.000k                         | 9.50/2.000k | 9.20/2.000k |          |          |      |        |
| NETWORK IMPEDANCE (ΩMAX.)                            |                                   |                     |                                                |          |                                        |                                     |             |             |          |          |      |        |
| FM OUTPUT (W)                                        |                                   |                     | 120                                            |          |                                        | 90                                  |             |             |          |          |      |        |
| MOISTURE REMOVAL VOLUME L/h(Pt/h)                    |                                   |                     | 4.2                                            | (8.8)    |                                        |                                     |             |             |          |          |      |        |
| External static pressure Pa                          |                                   |                     | 70 (MIN10 - MAX150)                            |          |                                        |                                     |             |             |          |          |      |        |
| I/D AIR FLOW                                         | COOL                              | m³/min (ft³/min)    | 21/19/15 (742/671/530)                         |          |                                        |                                     |             |             |          |          |      |        |
|                                                      | HEAT                              | m³/min (ft³/min)    | 21/19/15 (742/671/530)                         |          |                                        |                                     |             |             |          |          |      |        |
| O/D AIR FLOW                                         | COOL                              | m³/min (ft³/min)    |                                                |          |                                        | 60 (2119)                           |             |             |          |          |      |        |
|                                                      | HEAT                              | m³/min (ft³/min)    |                                                |          |                                        | 60 (2119)                           |             |             |          |          |      |        |
| REFRIGERANT TYPE, AMOUNT g(oz)                       |                                   |                     |                                                |          |                                        | R410A                               | 2.35k       | (82.9)      |          |          |      |        |
| P<br>R<br>O<br>M                                     | D<br>I<br>M                       | HEIGHT : H mm(inch) | 290 (11-13/32)                                 |          |                                        | 996 (39-7/32)                       |             |             |          |          |      |        |
|                                                      |                                   | WIDTH : W mm(inch)  | 1000 (39-3/8)                                  |          |                                        | 940 (37-1/32)                       |             |             |          |          |      |        |
|                                                      |                                   | DEPTH : D mm(inch)  | 700 (27-9/16)                                  |          |                                        | 340 (13-13/32)                      |             |             |          |          |      |        |
| P<br>A<br>C<br>M                                     | D<br>I<br>M                       | HEIGHT : H mm       | 355                                            |          |                                        | 1136                                |             |             |          |          |      |        |
|                                                      |                                   | WIDTH : W mm        | 1214                                           |          |                                        | 1055                                |             |             |          |          |      |        |
|                                                      |                                   | DEPTH : D mm        | 850                                            |          |                                        | 485                                 |             |             |          |          |      |        |
| MASS                                                 |                                   | (NET) kg(lb)        | 33 (73)                                        |          |                                        | 69 (152)                            |             |             |          |          |      |        |
|                                                      |                                   | (GROSS) kg(lb)      | 41 (91)                                        |          |                                        | 77 (170)                            |             |             |          |          |      |        |
| LAYERS LIMIT (actually)                              |                                   |                     | 9 (10)                                         |          |                                        | 2 (3)                               |             |             |          |          |      |        |
| Operation Condition                                  |                                   | Cool O.D(DBT)       | 18°C ~ 32°C                                    |          |                                        | -15°C ~ 46°C                        |             |             |          |          |      |        |
|                                                      |                                   | Heat O.D(DBT)       | 16°C ~ 30°C                                    |          |                                        | -20°C ~ 24°C                        |             |             |          |          |      |        |
| P<br>I<br>P<br>I<br>N<br>G                           | PIPE DIAMETER mm (inch)           |                     | (Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)            |          |                                        | (Liquid)ø9.52(3/8) (Gas)ø15.88(5/8) |             |             |          |          |      |        |
|                                                      | CONNECT METHOD, STD LENGTH m (ft) |                     | flared type, 5.0(16.4)                         |          |                                        | flared type, 5.0(16.4)              |             |             |          |          |      |        |
|                                                      | PIPE LENGTH RANGE m (ft)          |                     | 5 ~ 50 (16.4 ~ 164.0)                          |          |                                        |                                     |             |             | ~        | ~        |      |        |
|                                                      | I/D&O/D HEIGHT DIFFERENCE m (ft)  |                     | 15 (OD located lower) / 30 (OD located higher) |          |                                        | (49.2/98.4)                         |             |             |          |          |      |        |
|                                                      | ADD GAS AMOUNT g/m (oz/ft)        |                     | 50 (0.538)                                     |          |                                        |                                     |             |             |          |          |      |        |
| PIPE LENGTH FOR ADDITIONAL GAS m (ft)                |                                   |                     | 30 (98.4)                                      |          |                                        |                                     |             |             |          |          |      |        |

\*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m³/min.) shall be multiplied by 16.7 and rounded down the decimal point.

\*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.

\*3: Network Impedance shall be applicable for EUROPE and CHINA models.

\*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.

\*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.

\*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

# Simultaneous (Twin) -Type

## 1-1. Unit Specifications

### PE1

#### 4. Low Silhouette Ducted Type S-71PF1E5A×2 / U-140PE1E5A

| INDOOR                                |                                   |                     | MODEL                                          |                                       | S-71PF1E5A×2 |                                     |              | U-140PE1E5A |          |        |       |        |
|---------------------------------------|-----------------------------------|---------------------|------------------------------------------------|---------------------------------------|--------------|-------------------------------------|--------------|-------------|----------|--------|-------|--------|
| OUTDOOR                               |                                   |                     | MODEL                                          |                                       |              |                                     |              |             |          |        |       |        |
| Branch pipe                           |                                   |                     | MODEL                                          |                                       |              |                                     |              | CZ-P155BK1  |          |        |       |        |
| PERFORMANCE TEST CONDITION            |                                   |                     | ISO13253 / EN14511 / EN12102                   |                                       |              |                                     |              |             |          |        |       |        |
| POWER SUPPLY                          |                                   |                     | ø, Hz                                          |                                       | 1ø 50Hz      |                                     |              | 1ø 50Hz     |          |        |       |        |
|                                       |                                   |                     | V                                              |                                       | 220          | 230                                 | 240          | 220         | 230      | 240    | Min   | Max    |
| C<br>O<br>O<br>L<br>I<br>N<br>G       | CAPACITY                          |                     | kW                                             |                                       | 14.0         | 14.0                                | 14.0         |             |          |        | 3.3   | 15.5   |
|                                       |                                   |                     | BTU/h                                          |                                       | 47800        | 47800                               | 47800        |             |          |        | 11300 | 52900  |
|                                       | CURRENT                           |                     | A                                              |                                       | 0.91×2       | 0.89×2                              | 0.87×2       | 20.1        | 19.3     | 18.6   | -     | -      |
|                                       | INPUT POWER                       |                     | W                                              |                                       | 120×2        | 120×2                               | 120×2        | 4.085k      | 4.085k   | 4.085k | -     | -      |
|                                       |                                   |                     | TOTAL W                                        |                                       |              |                                     |              | 4.325k      | 4.325k   | 4.325k | 840   | 6.000k |
|                                       | ANNUAL CONSUMPTION                |                     | TOTAL kWh ※4                                   |                                       |              |                                     |              | -           | 2162.5   | -      | -     | -      |
|                                       | EER/EER CLASS                     |                     | TOTAL(W/W)※5("A"~"G")                          |                                       | -            | -                                   | -            | 3.24        | 3.24 / A | 3.24   | 3.93  | 2.58   |
|                                       | Erp<br>※6                         | Pdsign              | kW                                             | -                                     | -            | -                                   | -            | -           | -        | -      |       |        |
|                                       |                                   | SEER                | (W/W)                                          | -                                     | -            | -                                   | -            | -           | -        | -      |       |        |
|                                       |                                   | Annual consumption  | kWh                                            | -                                     | -            | -                                   | -            | -           | -        | -      |       |        |
|                                       |                                   | Class               |                                                | -                                     | -            | -                                   | -            | -           | -        | -      |       |        |
| POWER FACTOR                          |                                   | %                   |                                                | -                                     | -            | -                                   | 93           | 92          | 92       | -      | -     |        |
| NOISE INDOOR (H/M/L)                  |                                   | dB-A                |                                                | 35/32/26                              |              |                                     |              |             |          |        |       |        |
|                                       |                                   | Power Level dB      |                                                | 57/54/48                              |              |                                     |              |             |          |        |       |        |
| NOISE OUTDOOR (H/L)                   |                                   | dB-A                |                                                |                                       |              |                                     | 54/-         |             |          |        |       |        |
|                                       |                                   | Power Level dB      |                                                |                                       |              |                                     | 71/-         |             |          |        |       |        |
| H<br>E<br>A<br>T<br>I<br>N<br>G       | CAPACITY                          |                     | kW                                             |                                       | 16.0         | 16.0                                | 16.0         |             |          |        | 4.1   | 18.0   |
|                                       |                                   |                     | BTU/h                                          |                                       | 54600        | 54600                               | 54600        |             |          |        | 14000 | 61400  |
|                                       | CURRENT                           |                     | A                                              |                                       | 0.91×2       | 0.89×2                              | 0.87×2       | 19.9        | 19.1     | 18.4   | -     | -      |
|                                       | INPUT POWER                       |                     | W                                              |                                       | 120×2        | 120×2                               | 120×2        | 4.215k      | 4.215k   | 4.215k | -     | -      |
|                                       |                                   |                     | TOTAL W                                        |                                       |              |                                     |              | 4.455k      | 4.455k   | 4.455k | 900   | 5.900k |
|                                       | COP/COP CLASS                     |                     | TOTAL(W/W)※5("A"~"G")                          |                                       | -            | -                                   | -            | 3.59        | 3.59 / A | 3.59   | 4.56  | 3.05   |
|                                       | Erp<br>※6                         | Pdsign              | kW                                             | -                                     | -            | -                                   | -            | -           | -        | -      |       |        |
|                                       |                                   | Tbivalen            | °C                                             | -                                     | -            | -                                   | -            | -           | -        | -      |       |        |
|                                       |                                   | SCOP                | (W/W)                                          | -                                     | -            | -                                   | -            | -           | -        | -      |       |        |
|                                       |                                   | Annual consumption  | kWh                                            | -                                     | -            | -                                   | -            | -           | -        | -      |       |        |
|                                       |                                   | Class               |                                                | -                                     | -            | -                                   | -            | -           | -        | -      |       |        |
|                                       | POWER FACTOR                      |                     | %                                              |                                       | -            | -                                   | -            | 96          | 96       | 95     | -     | -      |
|                                       | NOISE INDOOR (H/M/L)              |                     | dB-A                                           |                                       | 35/32/26     |                                     |              |             |          |        | /     | /      |
|                                       |                                   |                     | Power Level dB                                 |                                       | 57/54/48     |                                     |              |             |          |        |       |        |
|                                       | NOISE OUTDOOR (H/L)               |                     | dB-A                                           |                                       |              |                                     |              | 55/-        |          |        | /     | /      |
|                                       |                                   |                     | Power Level dB                                 |                                       |              |                                     |              | 71/-        |          |        |       |        |
|                                       | EXTRA LOW TEMP                    |                     |                                                | Total CAPACITY(kW)/INPUT POWER(W)/COP |              |                                     |              |             |          |        |       |        |
| MAX CURRENT(A)/MAX INPUT POWER(W)     |                                   |                     | 1.26×2/160×2                                   | 1.20×2/160×2                          | 1.15×2/160×2 | 30.0/6.450k                         | 30.0/6.650k  | 30.0/6.850k | /        |        |       |        |
| STARTING CURRENT(A)/COMP OUTPUT(W)    |                                   |                     | -                                              | -                                     | -            | 20.1/3.0k                           | 19.3/3.0k    | 18.6/3.0k   | /        |        |       |        |
| NETWORK IMPEDANCE (QMAX.)             |                                   |                     |                                                |                                       |              |                                     |              |             |          |        |       |        |
| FM OUTPUT (W)                         |                                   |                     | 120                                            |                                       |              | 90x2                                |              |             | /        |        |       |        |
| MOISTURE REMOVAL VOLUME               |                                   |                     | L/h(Pt/h)                                      | 9.0                                   | (4.5×2)      | (18.9)                              |              |             |          |        |       |        |
| External static pressure              |                                   |                     | Pa                                             | 70 (MIN10 - MAX150)                   |              |                                     |              |             |          |        |       |        |
| I/D AIR FLOW                          | COOL                              | m³/min (ft³/min)    | [21/19/15 (742/671/530)]×2                     |                                       |              |                                     |              |             |          |        |       |        |
|                                       | HEAT                              | m³/min (ft³/min)    | [21/19/15 (742/671/530)]×2                     |                                       |              |                                     |              |             |          |        |       |        |
| O/D AIR FLOW                          | COOL                              | m³/min (ft³/min)    |                                                |                                       |              | 135                                 | (4767)       |             |          |        |       |        |
|                                       | HEAT                              | m³/min (ft³/min)    |                                                |                                       |              | 120                                 | (4238)       |             |          |        |       |        |
| REFRIGERANT TYPE, AMOUNT g(oz)        |                                   |                     |                                                |                                       |              | R410A                               | 3.40k        | (119.9)     | /        |        |       |        |
| P<br>R<br>O<br>M                      | D                                 | HEIGHT : H mm(inch) | 290 (11-13/32)                                 |                                       |              | 1416 (55-3/4)                       |              |             | /        |        |       |        |
|                                       | I                                 | WIDTH : W mm(inch)  | 1000 (39-3/8)                                  |                                       |              | 940 (37-1/32)                       |              |             | /        |        |       |        |
|                                       | M                                 | DEPTH : D mm(inch)  | 700 (27-9/16)                                  |                                       |              | 340 (13-13/32)                      |              |             | /        |        |       |        |
| P<br>A<br>C<br>M                      | D                                 | HEIGHT : H mm       | 355                                            |                                       |              | 1556                                |              |             | /        |        |       |        |
|                                       | I                                 | WIDTH : W mm        | 1214                                           |                                       |              | 1055                                |              |             | /        |        |       |        |
|                                       | M                                 | DEPTH : D mm        | 850                                            |                                       |              | 485                                 |              |             | /        |        |       |        |
| MASS                                  |                                   | (NET) kg(lb)        | 33 (73)                                        |                                       |              | 98 (216)                            |              |             | /        |        |       |        |
|                                       |                                   | (GROSS) kg(lb)      | 41 (91)                                        |                                       |              | 108 (238)                           |              |             | /        |        |       |        |
| LAYERS LIMIT (actually)               |                                   |                     | 9 (10)                                         |                                       |              | 1 (2)                               |              |             |          |        |       |        |
| Operation Condition                   |                                   |                     | Cool O.D(DBT)                                  | 18°C ~ 32°C                           |              |                                     | -15°C ~ 46°C |             |          |        |       |        |
|                                       |                                   |                     | Heat O.D(DBT)                                  | 16°C ~ 30°C                           |              |                                     | -20°C ~ 24°C |             |          |        |       |        |
| P<br>I<br>P<br>I<br>N<br>G            | PIPE DIAMETER mm (inch)           |                     | (Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)            |                                       |              | (Liquid)ø9.52(3/8) (Gas)ø15.88(5/8) |              |             |          |        |       |        |
|                                       | CONNECT METHOD, STD LENGTH m (ft) |                     | flared type, 5.0(16.4)                         |                                       |              | flared type, 5.0(16.4)              |              |             |          |        |       |        |
|                                       | PIPE LENGTH RANGE m (ft)          |                     | 5 ~ 75 (16.4 ~ 246.1)                          |                                       |              |                                     |              |             | ~        | ~      |       |        |
|                                       | I/D&O/D HEIGHT DIFFERENCE m (ft)  |                     | 15 (OD located lower) / 30 (OD located higher) |                                       |              | (49.2/98.4)                         |              |             |          |        |       |        |
|                                       | ADD GAS AMOUNT g/m (oz/ft)        |                     | 50 (0.538)                                     |                                       |              |                                     |              |             |          |        |       |        |
| PIPE LENGTH FOR ADDITIONAL GAS m (ft) |                                   |                     | 30 (98.4)                                      |                                       |              |                                     |              |             |          |        |       |        |

\*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m³/min.) shall be multiplied by 16.7 and rounded down the decimal point.

\*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.

\*3: Network Impedance shall be applicable for EUROPE and CHINA models.

\*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.

\*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.

\*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

# Single -Type

## 1-1. Unit Specifications

### PE1

#### 4. Low Silhouette Ducted Type S-100PF1E5A / U-100PE1E5A

| INDOOR                                               |                                   |                     | MODEL                                          |                | S-100PF1E5A                            |                                     |                |              |          |        |       |        |
|------------------------------------------------------|-----------------------------------|---------------------|------------------------------------------------|----------------|----------------------------------------|-------------------------------------|----------------|--------------|----------|--------|-------|--------|
| OUTDOOR                                              |                                   |                     | MODEL                                          |                |                                        |                                     |                | U-100PE1E5A  |          |        |       |        |
| Branch pipe                                          |                                   |                     | MODEL                                          |                |                                        |                                     |                | -            |          |        |       |        |
| PERFORMANCE TEST CONDITION                           |                                   |                     |                                                |                | ISO13253 / EN14511 / EN14825 / EN12102 |                                     |                |              |          |        |       |        |
| POWER SUPPLY                                         |                                   |                     | ø, Hz                                          |                | 1ø 50Hz                                |                                     |                | 1ø 50Hz      |          |        |       |        |
|                                                      |                                   |                     | V                                              |                | 220                                    | 230                                 | 240            | 220          | 230      | 240    | Min   | Max    |
| C<br>O<br>O<br>L<br>I<br>N<br>G                      | CAPACITY                          |                     | kW                                             |                | 10.0                                   | 10.0                                | 10.0           |              |          |        | 3.3   | 12.5   |
|                                                      |                                   |                     | BTU/h                                          |                | 34100                                  | 34100                               | 34100          |              |          |        | 11300 | 42700  |
|                                                      | CURRENT                           |                     | A                                              |                | 1.35                                   | 1.30                                | 1.27           | 11.0         | 10.6     | 10.3   | -     | -      |
|                                                      |                                   |                     | W                                              |                | 195                                    | 195                                 | 195            | 2.245k       | 2.245k   | 2.245k | -     | -      |
|                                                      | INPUT POWER                       |                     | TOTAL W                                        |                | -                                      |                                     |                | 2.440k       | 2.440k   | 2.440k | 840   | 3.700k |
|                                                      |                                   |                     | TOTAL kWh ※4                                   |                | -                                      |                                     |                | -            | 1220     | -      | -     | -      |
|                                                      | EER/EER CLASS                     |                     | TOTAL(W/W)※5/("A"~"G")                         |                | -                                      | -                                   | -              | 4.10         | 4.10 / A | 4.10   | 3.93  | 3.38   |
|                                                      |                                   |                     | Pdsign kW                                      |                | -                                      | -                                   | -              | -            | 10.0     | -      |       |        |
|                                                      | Erp<br>※6                         | SEER                |                                                | (W/W)          |                                        | -                                   | -              | -            | -        | 5.8    | -     |        |
|                                                      |                                   | Annual consumption  |                                                | kWh            |                                        | -                                   | -              | -            | -        | 603    | -     |        |
|                                                      |                                   | Class               |                                                |                |                                        | -                                   | -              | -            | -        | A+     | -     |        |
|                                                      |                                   | POWER FACTOR        |                                                | %              |                                        | -                                   | -              | -            | 93       | 92     | 91    | -      |
| NOISE INDOOR<br>(H/M/L)                              |                                   | dB-A                |                                                | 38/34/31       |                                        |                                     | -              |              |          |        |       |        |
|                                                      |                                   | Power Level dB      |                                                | 60/56/53       |                                        |                                     |                |              |          |        |       |        |
| NOISE OUTDOOR<br>(H/L)                               |                                   | dB-A                |                                                |                |                                        |                                     | 52/-           |              |          |        |       |        |
|                                                      |                                   | Power Level dB      |                                                |                |                                        |                                     | 69/-           |              |          |        |       |        |
| H<br>E<br>A<br>T<br>I<br>N<br>G                      | CAPACITY                          |                     | kW                                             |                | 11.2                                   | 11.2                                | 11.2           |              |          |        | 4.1   | 14.0   |
|                                                      |                                   |                     | BTU/h                                          |                | 38200                                  | 38200                               | 38200          |              |          |        | 14000 | 47800  |
|                                                      | CURRENT                           |                     | A                                              |                | 1.37                                   | 1.34                                | 1.29           | 11.6         | 11.2     | 10.7   | -     | -      |
|                                                      |                                   |                     | W                                              |                | 200                                    | 200                                 | 200            | 2.400k       | 2.400k   | 2.400k | -     | -      |
|                                                      | INPUT POWER                       |                     | TOTAL W                                        |                | -                                      |                                     |                | 2.600k       | 2.600k   | 2.600k | 900   | 4.400k |
|                                                      |                                   |                     | TOTAL(W/W)※5/("A"~"G")                         |                | -                                      | -                                   | -              | 4.31         | 4.31 / A | 4.31   | 4.56  | 3.18   |
|                                                      | Erp<br>※6                         | Pdsign              |                                                | kW             |                                        | -                                   | -              | -            | -        | 10.0   | -     |        |
|                                                      |                                   | Tbivalen            |                                                | °C             |                                        | -                                   | -              | -            | -        | -10    | -     |        |
|                                                      |                                   | SCOP                |                                                | (W/W)          |                                        | -                                   | -              | -            | -        | 3.8    | -     |        |
|                                                      |                                   | Annual consumption  |                                                | kWh            |                                        | -                                   | -              | -            | -        | 3684   | -     |        |
|                                                      |                                   | Class               |                                                |                |                                        | -                                   | -              | -            | -        | A      | -     |        |
|                                                      | POWER FACTOR                      |                     | %                                              |                | -                                      | -                                   | -              | 94           | 94       | 93     | -     | -      |
|                                                      | NOISE INDOOR<br>(H/M/L)           |                     | dB-A                                           |                | 38/34/31                               |                                     |                | -            |          |        | /     | /      |
|                                                      |                                   |                     | Power Level dB                                 |                | 60/56/53                               |                                     |                | -            |          |        |       |        |
|                                                      | NOISE OUTDOOR<br>(H/L)            |                     | dB-A                                           |                | -                                      |                                     |                | 52/-         |          |        | /     | /      |
| Power Level dB                                       |                                   |                     | -                                              |                |                                        | 69/-                                |                |              |          |        |       |        |
| EXTRA LOW TEMP Total CAPACITY(kW)/INPUT POWER(W)/COP |                                   |                     |                                                |                |                                        | -                                   |                |              |          |        |       |        |
| MAX CURRENT(A)/MAX INPUT POWER(W)                    |                                   |                     | 1.80/265                                       | 1.75/265       | 1.70/265                               | 25.0/5.350k                         | 25.0/5.550k    | 25.0/5.750k  | /        |        |       |        |
| STARTING CURRENT(A)/COMP OUTPUT(W)                   |                                   |                     | -                                              | -              | -                                      | 11.6/3.0k                           | 11.2/3.0k      | 10.7/3.0k    | /        |        |       |        |
| NETWORK IMPEDANCE (ΩMAX.)                            |                                   |                     | -                                              |                |                                        | -                                   |                |              |          |        |       |        |
| FM OUTPUT (W)                                        |                                   |                     | 200                                            |                |                                        | 90×2                                |                |              | /        |        |       |        |
| MOISTURE REMOVAL VOLUME                              |                                   |                     | L/h(Pt/h)                                      | 6.0            | (12.6)                                 | -                                   |                |              |          |        |       |        |
| External static pressure                             |                                   |                     | Pa                                             |                | 100 (MIN10 - MAX150)                   |                                     |                |              |          |        |       |        |
| I/D AIR FLOW                                         | COOL                              |                     | m³/min (ft³/min)                               |                | 32/26/21 (1130/918/742)                |                                     |                |              |          |        |       |        |
|                                                      | HEAT                              |                     | m³/min (ft³/min)                               |                | 32/26/21 (1130/918/742)                |                                     |                |              |          |        |       |        |
| O/D AIR FLOW                                         | COOL                              |                     | m³/min (ft³/min)                               |                |                                        |                                     |                | 110          | (3885)   |        |       |        |
|                                                      | HEAT                              |                     | m³/min (ft³/min)                               |                |                                        |                                     |                | 95           | (3355)   |        |       |        |
| REFRIGERANT TYPE, AMOUNT g(oz)                       |                                   |                     |                                                |                | R410A                                  |                                     |                | 3.40k        | (119.9)  |        | /     |        |
| P<br>R<br>O<br>M                                     | D<br>I<br>M                       | HEIGHT : H mm(inch) |                                                | 290 (11-13/32) |                                        |                                     | 1416 (55-3/4)  |              |          | /      |       |        |
|                                                      |                                   | WIDTH : W mm(inch)  |                                                | 1400 (55-1/8)  |                                        |                                     | 940 (37-1/32)  |              |          | /      |       |        |
|                                                      |                                   | DEPTH : D mm(inch)  |                                                | 700 (27-9/16)  |                                        |                                     | 340 (13-13/32) |              |          | /      |       |        |
| P<br>A<br>C<br>M                                     | I<br>D<br>M                       | HEIGHT : H mm       |                                                | 355            |                                        |                                     | 1556           |              |          | /      |       |        |
|                                                      |                                   | WIDTH : W mm        |                                                | 1614           |                                        |                                     | 1055           |              |          | /      |       |        |
|                                                      |                                   | DEPTH : D mm        |                                                | 850            |                                        |                                     | 485            |              |          | /      |       |        |
| MASS                                                 |                                   | (NET) kg(lb)        |                                                | 45 (99)        |                                        |                                     | 98 (216)       |              |          | /      |       |        |
|                                                      |                                   | (GROSS) kg(lb)      |                                                | 54 (119)       |                                        |                                     | 108 (238)      |              |          | /      |       |        |
| LAYERS LIMIT (actually)                              |                                   |                     | 9 (10)                                         |                |                                        | 1 (2)                               |                |              |          |        |       |        |
| Operation Condition                                  |                                   |                     | Cool O.D(DBT)                                  |                | 18°C ~ 32°C                            |                                     |                | -15°C ~ 46°C |          |        |       |        |
|                                                      |                                   |                     | Heat O.D(DBT)                                  |                | 16°C ~ 30°C                            |                                     |                | -20°C ~ 24°C |          |        |       |        |
| P<br>I<br>P<br>I<br>N<br>G                           | PIPE DIAMETER mm (inch)           |                     | (Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)            |                |                                        | (Liquid)ø9.52(3/8) (Gas)ø15.88(5/8) |                |              |          |        |       |        |
|                                                      | CONNECT METHOD, STD LENGTH m (ft) |                     | flared type, 5.0(16.4)                         |                |                                        | flared type, 5.0(16.4)              |                |              |          |        |       |        |
|                                                      | PIPE LENGTH RANGE m (ft)          |                     | 5 ~ 75 (16.4 ~ 246.1)                          |                |                                        |                                     |                |              | ~        | ~      |       |        |
|                                                      | I/D&O/D HEIGHT DIFFERENCE m (ft)  |                     | 15 (OD located lower) / 30 (OD located higher) |                |                                        | (49.2/98.4)                         |                |              |          |        |       |        |
|                                                      | ADD GAS AMOUNT g/m (oz/ft)        |                     | 50 (0.538)                                     |                |                                        |                                     |                |              |          |        |       |        |
| PIPE LENGTH FOR ADDITIONAL GAS m (ft)                |                                   |                     | 30 (98.4)                                      |                |                                        |                                     |                |              |          |        |       |        |

\*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m³/min.) shall be multiplied by 16.7 and rounded down the decimal point.

\*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.

\*3: Network Impedance shall be applicable for EUROPE and CHINA models.

\*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.

\*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.

\*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

# Single -Type

## 1-1. Unit Specifications

### PE1

#### 4. Low Silhouette Ducted Type S-125PF1E5A / U-125PE1E5A

| INDOOR                                               |                                   |                     | MODEL                                          |          | S-125PF1E5A                  |                                     |             | U-125PE1E5A |          |        |       |        |
|------------------------------------------------------|-----------------------------------|---------------------|------------------------------------------------|----------|------------------------------|-------------------------------------|-------------|-------------|----------|--------|-------|--------|
| OUTDOOR                                              |                                   |                     | MODEL                                          |          |                              |                                     |             |             |          |        |       |        |
| Branch pipe                                          |                                   |                     | MODEL                                          |          |                              |                                     |             |             |          |        |       |        |
| PERFORMANCE TEST CONDITION                           |                                   |                     |                                                |          | ISO13253 / EN14511 / EN12102 |                                     |             |             |          |        |       |        |
| POWER SUPPLY                                         |                                   |                     | ø, Hz                                          |          | 1ø 50Hz                      |                                     |             | 1ø 50Hz     |          |        |       |        |
|                                                      |                                   |                     | V                                              |          | 220                          | 230                                 | 240         | 220         | 230      | 240    | Min   | Max    |
| C<br>O<br>O<br>L<br>I<br>N<br>G                      | CAPACITY                          |                     | kW                                             |          | 12.5                         | 12.5                                | 12.5        |             |          |        | 3.3   | 14.0   |
|                                                      |                                   |                     | BTU/h                                          |          | 42700                        | 42700                               | 42700       |             |          |        | 11300 | 47800  |
|                                                      | CURRENT                           |                     | A                                              |          | 1.48                         | 1.44                                | 1.39        | 16.6        | 15.9     | 15.3   | -     | -      |
|                                                      | INPUT POWER                       |                     | W                                              |          | 215                          | 215                                 | 215         | 3.355k      | 3.355k   | 3.355k | -     | -      |
|                                                      |                                   |                     | TOTAL W                                        |          |                              |                                     |             | 3.570k      | 3.570k   | 3.570k | 840   | 4.600k |
|                                                      | ANNUAL CONSUMPTION                |                     | TOTAL kWh ※4                                   |          |                              |                                     |             | -           | 1785     | -      | -     | -      |
|                                                      | EER/EER CLASS                     |                     | TOTAL(W/W)※5/("A"~"G")                         |          | -                            | -                                   | -           | 3.50        | 3.50 / A | 3.50   | 3.93  | 3.04   |
|                                                      | Erp<br>※6                         | Pdsign              | kW                                             |          | -                            | -                                   | -           | -           | -        | -      |       |        |
|                                                      |                                   | SEER                | (W/W)                                          |          | -                            | -                                   | -           | -           | -        | -      |       |        |
|                                                      |                                   | Annual consumption  | kWh                                            |          | -                            | -                                   | -           | -           | -        | -      |       |        |
|                                                      |                                   | Class               |                                                |          | -                            | -                                   | -           | -           | -        | -      |       |        |
| POWER FACTOR                                         |                                   | %                   |                                                | -        |                              | -                                   | 92          | 92          | 91       | -      | -     |        |
| NOISE INDOOR (H/M/L)                                 |                                   | dB-A                |                                                | 39/35/32 |                              |                                     |             |             |          |        |       |        |
|                                                      |                                   | Power Level dB      |                                                | 61/57/54 |                              |                                     |             |             |          |        |       |        |
| NOISE OUTDOOR (H/L)                                  |                                   | dB-A                |                                                |          |                              |                                     | 53/-        |             |          |        |       |        |
|                                                      |                                   | Power Level dB      |                                                |          |                              |                                     | 70/-        |             |          |        |       |        |
| H<br>E<br>A<br>T<br>I<br>N<br>G                      | CAPACITY                          |                     | kW                                             |          | 14.0                         | 14.0                                | 14.0        |             |          |        | 4.1   | 16.0   |
|                                                      |                                   |                     | BTU/h                                          |          | 47800                        | 47800                               | 47800       |             |          |        | 14000 | 54600  |
|                                                      | CURRENT                           |                     | A                                              |          | 1.46                         | 1.42                                | 1.38        | 16.3        | 15.8     | 15.1   | -     | -      |
|                                                      | INPUT POWER                       |                     | W                                              |          | 210                          | 210                                 | 210         | 3.270k      | 3.270k   | 3.270k | -     | -      |
|                                                      |                                   |                     | TOTAL W                                        |          |                              |                                     |             | 3.480k      | 3.480k   | 3.480k | 900   | 5.200k |
|                                                      | COP/COP CLASS                     |                     | TOTAL(W/W)※5/("A"~"G")                         |          | -                            | -                                   | -           | 4.02        | 4.02 / A | 4.02   | 4.56  | 3.08   |
|                                                      | Erp<br>※6                         | Pdsign              | kW                                             |          | -                            | -                                   | -           | -           | -        | -      |       |        |
|                                                      |                                   | Tbivalen            | °C                                             |          | -                            | -                                   | -           | -           | -        | -      |       |        |
|                                                      |                                   | SCOP                | (W/W)                                          |          | -                            | -                                   | -           | -           | -        | -      |       |        |
|                                                      |                                   | Annual consumption  | kWh                                            |          | -                            | -                                   | -           | -           | -        | -      |       |        |
|                                                      |                                   | Class               |                                                |          | -                            | -                                   | -           | -           | -        | -      |       |        |
|                                                      | POWER FACTOR                      |                     | %                                              |          | -                            |                                     | -           | 91          | 90       | 90     | -     | -      |
|                                                      | NOISE INDOOR (H/M/L)              |                     | dB-A                                           |          | 39/35/32                     |                                     |             |             |          |        | /     | /      |
|                                                      |                                   |                     | Power Level dB                                 |          | 61/57/54                     |                                     |             |             |          |        |       |        |
|                                                      | NOISE OUTDOOR (H/L)               |                     | dB-A                                           |          |                              |                                     |             | 53/-        |          |        | /     | /      |
|                                                      |                                   | Power Level dB      |                                                |          |                              |                                     | 70/-        |             |          |        |       |        |
| EXTRA LOW TEMP Total CAPACITY(kW)/INPUT POWER(W)/COP |                                   |                     |                                                |          |                              |                                     |             |             |          |        |       |        |
| MAX CURRENT(A)/MAX INPUT POWER(W)                    |                                   |                     | 1.80/265                                       | 1.75/265 | 1.70/265                     | 28.0/6.000k                         | 28.0/6.200k | 28.0/6.400k |          |        |       |        |
| STARTING CURRENT(A)/COMP OUTPUT(W)                   |                                   |                     | -                                              | -        | -                            | 16.6/3.0k                           | 15.9/3.0k   | 15.3/3.0k   |          |        |       |        |
| NETWORK IMPEDANCE (ΩMAX.)                            |                                   |                     |                                                |          |                              |                                     |             |             |          |        |       |        |
| FM OUTPUT (W)                                        |                                   |                     | 200                                            |          |                              | 90×2                                |             |             |          |        |       |        |
| MOISTURE REMOVAL VOLUME L/h(Pt/h)                    |                                   |                     | 7.9                                            | (16.6)   |                              |                                     |             |             |          |        |       |        |
| External static pressure Pa                          |                                   |                     | 100 (MIN10 - MAX150)                           |          |                              |                                     |             |             |          |        |       |        |
| I/D AIR FLOW                                         | COOL                              | m³/min (ft³/min)    | 34/29/23 (1201/1024/812)                       |          |                              |                                     |             |             |          |        |       |        |
|                                                      | HEAT                              | m³/min (ft³/min)    | 34/29/23 (1201/1024/812)                       |          |                              |                                     |             |             |          |        |       |        |
| O/D AIR FLOW                                         | COOL                              | m³/min (ft³/min)    |                                                |          |                              | 130                                 | (4591)      |             |          |        |       |        |
|                                                      | HEAT                              | m³/min (ft³/min)    |                                                |          |                              | 110                                 | (3885)      |             |          |        |       |        |
| REFRIGERANT TYPE, AMOUNT g(oz)                       |                                   |                     |                                                |          |                              | R410A                               | 3.40k       | (119.9)     |          |        |       |        |
| P<br>R<br>O<br>M                                     | D                                 | HEIGHT : H mm(inch) | 290 (11-13/32)                                 |          |                              | 1416 (55-3/4)                       |             |             |          |        |       |        |
|                                                      | I                                 | WIDTH : W mm(inch)  | 1400 (55-1/8)                                  |          |                              | 940 (37-1/32)                       |             |             |          |        |       |        |
|                                                      | M                                 | DEPTH : D mm(inch)  | 700 (27-9/16)                                  |          |                              | 340 (13-13/32)                      |             |             |          |        |       |        |
| P<br>A<br>C<br>M                                     | D                                 | HEIGHT : H mm       | 355                                            |          |                              | 1556                                |             |             |          |        |       |        |
|                                                      | I                                 | WIDTH : W mm        | 1614                                           |          |                              | 1055                                |             |             |          |        |       |        |
|                                                      | M                                 | DEPTH : D mm        | 850                                            |          |                              | 485                                 |             |             |          |        |       |        |
| MASS                                                 |                                   | (NET) kg(lb)        | 45 (99)                                        |          |                              | 98 (216)                            |             |             |          |        |       |        |
|                                                      |                                   | (GROSS) kg(lb)      | 54 (119)                                       |          |                              | 108 (238)                           |             |             |          |        |       |        |
| LAYERS LIMIT (actually)                              |                                   |                     | 9 (10)                                         |          |                              | 1 (2)                               |             |             |          |        |       |        |
| Operation Condition                                  |                                   | Cool O.D(DBT)       | 18°C ~ 32°C                                    |          |                              | -15°C ~ 46°C                        |             |             |          |        |       |        |
|                                                      |                                   | Heat O.D(DBT)       | 16°C ~ 30°C                                    |          |                              | -20°C ~ 24°C                        |             |             |          |        |       |        |
| P<br>I<br>P<br>I<br>N<br>G                           | PIPE DIAMETER mm (inch)           |                     | (Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)            |          |                              | (Liquid)ø9.52(3/8) (Gas)ø15.88(5/8) |             |             |          |        |       |        |
|                                                      | CONNECT METHOD, STD LENGTH m (ft) |                     | flared type, 5.0(16.4)                         |          |                              | flared type, 5.0(16.4)              |             |             |          |        |       |        |
|                                                      | PIPE LENGTH RANGE m (ft)          |                     | 5 ~ 75 (16.4 ~ 246.1)                          |          |                              |                                     |             |             | ~        | ~      |       |        |
|                                                      | I/D&O/D HEIGHT DIFFERENCE m (ft)  |                     | 15 (OD located lower) / 30 (OD located higher) |          |                              | (49.2/98.4)                         |             |             |          |        |       |        |
|                                                      | ADD GAS AMOUNT g/m (oz/ft)        |                     | 50 (0.538)                                     |          |                              |                                     |             |             |          |        |       |        |
| PIPE LENGTH FOR ADDITIONAL GAS m (ft)                |                                   | 30 (98.4)           |                                                |          |                              |                                     |             |             |          |        |       |        |

\*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m³/min.) shall be multiplied by 16.7 and rounded down the decimal point.

\*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.

\*3: Network Impedance shall be applicable for EUROPE and CHINA models.

\*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.

\*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.

\*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

# Single -Type

## 1-1. Unit Specifications

### PE1

#### 4. Low Silhouette Ducted Type S-140PF1E5A / U-140PE1E5A

| INDOOR                                               |                                   |                     | MODEL                    | S-140PF1E5A                                    |          |                |                                     |             |             |          |        |      |        |
|------------------------------------------------------|-----------------------------------|---------------------|--------------------------|------------------------------------------------|----------|----------------|-------------------------------------|-------------|-------------|----------|--------|------|--------|
| OUTDOOR                                              |                                   |                     | MODEL                    |                                                |          |                | U-140PE1E5A                         |             |             |          |        |      |        |
| Branch pipe                                          |                                   |                     | MODEL                    |                                                |          |                | -                                   |             |             |          |        |      |        |
| PERFORMANCE TEST CONDITION                           |                                   |                     |                          | ISO13253 / EN14511 / EN12102                   |          |                |                                     |             |             |          |        |      |        |
| POWER SUPPLY                                         |                                   |                     | ø, Hz                    | 1ø 50Hz                                        |          |                | 1ø 50Hz                             |             |             |          |        |      |        |
|                                                      |                                   |                     | V                        | 220                                            | 230      | 240            | 220                                 | 230         | 240         | Min      | Max    |      |        |
| C<br>O<br>O<br>L<br>I<br>N<br>G                      | CAPACITY                          |                     | kW                       | 14.0                                           | 14.0     | 14.0           |                                     |             |             | 3.3      | 15.5   |      |        |
|                                                      |                                   |                     | BTU/h                    | 47800                                          | 47800    | 47800          |                                     |             |             | 11300    | 52900  |      |        |
|                                                      | CURRENT                           |                     | A                        | 1.55                                           | 1.50     | 1.47           | 20.1                                | 19.3        | 18.6        | -        | -      |      |        |
|                                                      |                                   |                     | W                        | 225                                            | 225      | 225            | 4.085k                              | 4.085k      | 4.085k      | -        | -      |      |        |
|                                                      | INPUT POWER                       |                     | TOTAL W                  |                                                |          | -              |                                     |             | 4.310k      | 4.310k   | 4.310k | 840  | 6.000k |
|                                                      |                                   |                     | TOTAL kWh ※ 4            |                                                |          | -              |                                     |             | -           | 2155     | -      | -    | -      |
|                                                      | EER/EER CLASS                     |                     | TOTAL(W/W)※5("A"~"G")    |                                                |          | -              | -                                   | -           | 3.25        | 3.25 / A | 3.25   | 3.93 | 2.58   |
|                                                      | Erp<br>※ 6                        | Pdsign              | kW                       | -                                              | -        | -              | -                                   | -           | -           | -        | -      |      |        |
|                                                      |                                   | SEER                | (W/W)                    | -                                              | -        | -              | -                                   | -           | -           | -        | -      |      |        |
|                                                      |                                   | Annual consumption  | kWh                      | -                                              | -        | -              | -                                   | -           | -           | -        | -      |      |        |
|                                                      |                                   | Class               |                          | -                                              | -        | -              | -                                   | -           | -           | -        | -      |      |        |
| POWER FACTOR                                         |                                   |                     | %                        | -                                              | -        | -              | 93                                  | 92          | 92          | -        | -      |      |        |
| NOISE INDOOR<br>(H/M/L)                              |                                   |                     | dB-A                     | 40/36/33                                       |          |                | -                                   |             |             |          |        |      |        |
|                                                      |                                   |                     | Power Level dB           | 62/58/55                                       |          |                | -                                   |             |             |          |        |      |        |
| NOISE OUTDOOR<br>(H/L)                               |                                   |                     | dB-A                     | -                                              |          |                | 54/-                                |             |             |          |        |      |        |
|                                                      |                                   |                     | Power Level dB           | -                                              |          |                | 71/-                                |             |             |          |        |      |        |
| H<br>E<br>A<br>T<br>I<br>N<br>G                      | CAPACITY                          |                     | kW                       | 16.0                                           | 16.0     | 16.0           |                                     |             |             | 4.1      | 18.0   |      |        |
|                                                      |                                   |                     | BTU/h                    | 54600                                          | 54600    | 54600          |                                     |             |             | 14000    | 61400  |      |        |
|                                                      | CURRENT                           |                     | A                        | 1.55                                           | 1.50     | 1.46           | 19.9                                | 19.1        | 18.4        | -        | -      |      |        |
|                                                      |                                   |                     | W                        | 225                                            | 225      | 225            | 4.215k                              | 4.215k      | 4.215k      | -        | -      |      |        |
|                                                      | INPUT POWER                       |                     | TOTAL W                  |                                                |          | -              |                                     |             | 4.440k      | 4.440k   | 4.440k | 900  | 5.900k |
|                                                      |                                   |                     | TOTAL(W/W)※5("A"~"G")    |                                                |          | -              | -                                   | -           | 3.60        | 3.60 / A | 3.60   | 4.56 | 3.05   |
|                                                      | Erp<br>※ 6                        | Pdsign              | kW                       | -                                              | -        | -              | -                                   | -           | -           | -        | -      |      |        |
|                                                      |                                   | Tbivalen            | °C                       | -                                              | -        | -              | -                                   | -           | -           | -        | -      |      |        |
|                                                      |                                   | SCOP                | (W/W)                    | -                                              | -        | -              | -                                   | -           | -           | -        | -      |      |        |
|                                                      |                                   | Annual consumption  | kWh                      | -                                              | -        | -              | -                                   | -           | -           | -        | -      |      |        |
|                                                      |                                   | Class               |                          | -                                              | -        | -              | -                                   | -           | -           | -        | -      |      |        |
|                                                      | POWER FACTOR                      |                     |                          | %                                              | -        | -              | -                                   | 96          | 96          | 95       | -      | -    |        |
|                                                      | NOISE INDOOR<br>(H/M/L)           |                     |                          | dB-A                                           | 40/36/33 |                |                                     | -           |             |          | /      |      |        |
|                                                      |                                   |                     |                          | Power Level dB                                 | 62/58/55 |                |                                     | -           |             |          | /      |      |        |
|                                                      | NOISE OUTDOOR<br>(H/L)            |                     |                          | dB-A                                           | -        |                |                                     | 55/-        |             |          | /      |      |        |
| Power Level dB                                       |                                   |                     |                          | -                                              |          |                | 71/-                                |             |             | /        |        |      |        |
| EXTRA LOW TEMP Total CAPACITY(kW)/INPUT POWER(W)/COP |                                   |                     |                          | -                                              |          |                |                                     |             |             |          |        |      |        |
| MAX CURRENT(A)/MAX INPUT POWER(W)                    |                                   |                     |                          | 1.91/285                                       | 1.86/285 | 1.81/285       | 30.0/6.450k                         | 30.0/6.650k | 30.0/6.850k | /        |        |      |        |
| STARTING CURRENT(A)/COMP OUTPUT(W)                   |                                   |                     |                          | -                                              | -        | -              | 20.1/3.0k                           | 19.3/3.0k   | 18.6/3.0k   | /        |        |      |        |
| NETWORK IMPEDANCE (QMAX.)                            |                                   |                     |                          | -                                              |          |                |                                     |             |             |          |        |      |        |
| FM OUTPUT (W)                                        |                                   |                     |                          | 200                                            |          |                | 90×2                                |             |             | /        |        |      |        |
| MOISTURE REMOVAL VOLUME                              |                                   |                     | L/h(Pt/h)                | 9.0                                            | (18.9)   |                |                                     |             |             |          |        |      |        |
| External static pressure                             |                                   |                     | Pa                       | 100 (MIN10 - MAX150)                           |          |                |                                     |             |             |          |        |      |        |
| I/D AIR FLOW                                         | COOL                              | m³/min (ft³/min)    | 36/32/25 (1271/1130/883) |                                                |          |                |                                     |             |             |          |        |      |        |
|                                                      | HEAT                              | m³/min (ft³/min)    | 36/32/25 (1271/1130/883) |                                                |          |                |                                     |             |             |          |        |      |        |
| O/D AIR FLOW                                         | COOL                              | m³/min (ft³/min)    |                          |                                                |          | 135            | (4767)                              |             |             |          |        |      |        |
|                                                      | HEAT                              | m³/min (ft³/min)    |                          |                                                |          | 120            | (4238)                              |             |             |          |        |      |        |
| REFRIGERANT TYPE, AMOUNT g(oz)                       |                                   |                     |                          |                                                |          |                | R410A                               | 3.40k       | (119.9)     | /        |        |      |        |
| P<br>D<br>I<br>O<br>M                                | D                                 | HEIGHT : H mm(inch) | 290 (11-13/32)           |                                                |          | 1416 (55-3/4)  |                                     |             | /           |          |        |      |        |
|                                                      | I                                 | WIDTH : W mm(inch)  | 1400 (55-1/8)            |                                                |          | 940 (37-1/32)  |                                     |             | /           |          |        |      |        |
|                                                      | M                                 | DEPTH : D mm(inch)  | 700 (27-9/16)            |                                                |          | 340 (13-13/32) |                                     |             | /           |          |        |      |        |
| P<br>A<br>I<br>C<br>M                                | D                                 | HEIGHT : H mm       | 355                      |                                                |          | 1556           |                                     |             | /           |          |        |      |        |
|                                                      | I                                 | WIDTH : W mm        | 1614                     |                                                |          | 1055           |                                     |             | /           |          |        |      |        |
|                                                      | M                                 | DEPTH : D mm        | 850                      |                                                |          | 485            |                                     |             | /           |          |        |      |        |
| MASS                                                 | (NET) kg(lb)                      |                     | 45 (99)                  |                                                |          | 98 (216)       |                                     |             | /           |          |        |      |        |
|                                                      | (GROSS) kg(lb)                    |                     | 54 (119)                 |                                                |          | 108 (238)      |                                     |             | /           |          |        |      |        |
| LAYERS LIMIT (actually)                              |                                   |                     |                          | 9 (10)                                         |          |                | 1 (2)                               |             |             |          |        |      |        |
| Operation Condition                                  |                                   |                     | Cool O.D(DBT)            | 18°C ~ 32°C                                    |          |                | -15°C ~ 46°C                        |             |             |          |        |      |        |
|                                                      |                                   |                     | Heat O.D(DBT)            | 16°C ~ 30°C                                    |          |                | -20°C ~ 24°C                        |             |             |          |        |      |        |
| P<br>I<br>P<br>I<br>N<br>G                           | PIPE DIAMETER mm (inch)           |                     |                          | (Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)            |          |                | (Liquid)ø9.52(3/8) (Gas)ø15.88(5/8) |             |             |          |        |      |        |
|                                                      | CONNECT METHOD, STD LENGTH m (ft) |                     |                          | flared type, 5.0(16.4)                         |          |                | flared type, 5.0(16.4)              |             |             |          |        |      |        |
|                                                      | PIPE LENGTH RANGE m (ft)          |                     |                          | 5 ~ 75 (16.4 ~ 246.1)                          |          |                |                                     |             |             | ~        | ~      |      |        |
|                                                      | I/D&O/D HEIGHT DIFFERENCE m (ft)  |                     |                          | 15 (OD located lower) / 30 (OD located higher) |          |                | (49.2/98.4)                         |             |             |          |        |      |        |
|                                                      | ADD GAS AMOUNT g/m (oz/ft)        |                     |                          | 50 (0.538)                                     |          |                |                                     |             |             |          |        |      |        |
| PIPE LENGTH FOR ADDITIONAL GAS m (ft)                |                                   |                     |                          | 30 (98.4)                                      |          |                |                                     |             |             |          |        |      |        |

\*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m³/min.) shall be multiplied by 16.7 and rounded down the decimal point.

\*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.

\*3: Network Impedance shall be applicable for EUROPE and CHINA models.

\*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.

\*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.

\*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

# Simultaneous (Twin) -Type

## 1-1. Unit Specifications

### PE1

#### 4. Low Silhouette Ducted Type S-36PF1E5A×2 / U-71PE1E8A

| INDOOR                                |                                   |                     | MODEL                                          |                            | S-36PF1E5A×2        |        |              | U-71PE1E8A                          |                  |            |            |        |  |
|---------------------------------------|-----------------------------------|---------------------|------------------------------------------------|----------------------------|---------------------|--------|--------------|-------------------------------------|------------------|------------|------------|--------|--|
| OUTDOOR                               |                                   |                     | MODEL                                          |                            |                     |        |              |                                     |                  |            |            |        |  |
| Branch pipe                           |                                   |                     | MODEL                                          |                            |                     |        |              | CZ-P155BK1                          |                  |            |            |        |  |
| PERFORMANCE TEST CONDITION            |                                   |                     | ISO13253 / EN14511 / EN14825 / EN12102         |                            |                     |        |              |                                     |                  |            |            |        |  |
| POWER SUPPLY                          |                                   |                     | ø, Hz                                          |                            | 1ø 50Hz             |        |              | 3ø 50Hz                             |                  |            |            |        |  |
|                                       |                                   |                     | V                                              |                            | 220                 | 230    | 240          | 380                                 | 400              | 415        | Min        | Max    |  |
| C<br>O<br>O<br>L<br>I<br>N<br>G       | CAPACITY                          |                     | kW                                             |                            | 7.10                | 7.10   | 7.10         |                                     |                  |            | 3.2        | 8.0    |  |
|                                       |                                   |                     | BTU/h                                          |                            | 24200               | 24200  | 24200        |                                     |                  |            | 10900      | 27300  |  |
|                                       | CURRENT                           |                     | A                                              |                            | 0.60×2              | 0.57×2 | 0.56×2       | 2.75                                | 2.65             | 2.60       | -          | -      |  |
|                                       | INPUT POWER                       |                     | W                                              |                            | 70×2                | 70×2   | 70×2         | 1.730k                              | 1.730k           | 1.730k     | -          | -      |  |
|                                       |                                   |                     | TOTAL W                                        |                            |                     |        |              | 1.870k                              | 1.870k           | 1.870k     | 640        | 2.650k |  |
|                                       | ANNUAL CONSUMPTION                |                     | TOTAL kWh ※4                                   |                            |                     |        |              | -                                   | 935              | -          | -          | -      |  |
|                                       | EER/EER CLASS                     |                     | TOTAL(W/W)※5/("A"~"G")                         |                            | -                   | -      | -            | 3.80                                | 3.80 / A         | 3.80       | 5.00       | 3.02   |  |
|                                       | Erp<br>※6                         | Pdsign              | kW                                             | -                          | -                   | -      | -            | -                                   | 7.1              | -          |            |        |  |
|                                       |                                   | SEER                | (W/W)                                          | -                          | -                   | -      | -            | -                                   | 5.8              | -          |            |        |  |
|                                       |                                   | Annual consumption  | kWh                                            | -                          | -                   | -      | -            | -                                   | 428              | -          |            |        |  |
|                                       |                                   | Class               |                                                |                            | -                   | -      | -            | -                                   | A+               | -          |            |        |  |
| POWER FACTOR                          |                                   | %                   |                                                | -                          | -                   | -      | 96           | 94                                  | 93               | -          | -          |        |  |
| NOISE INDOOR (H/M/L)                  |                                   | dB-A                |                                                | 33/29/25                   |                     |        |              |                                     |                  |            |            |        |  |
|                                       |                                   | Power Level dB      |                                                | 55/51/47                   |                     |        |              |                                     |                  |            |            |        |  |
| NOISE OUTDOOR (H/L)                   |                                   | dB-A                |                                                |                            |                     |        | 48/-         |                                     |                  |            |            |        |  |
|                                       |                                   | Power Level dB      |                                                |                            |                     |        | 65/-         |                                     |                  |            |            |        |  |
| H<br>E<br>A<br>T<br>I<br>N<br>G       | CAPACITY                          |                     | kW                                             |                            | 8.0                 | 8.0    | 8.0          |                                     |                  |            | 2.8        | 9.0    |  |
|                                       |                                   |                     | BTU/h                                          |                            | 27300               | 27300  | 27300        |                                     |                  |            | 9600       | 30700  |  |
|                                       | CURRENT                           |                     | A                                              |                            | 0.60×2              | 0.57×2 | 0.56×2       | 3.10                                | 3.00             | 2.90       | -          | -      |  |
|                                       | INPUT POWER                       |                     | W                                              |                            | 70×2                | 70×2   | 70×2         | 1.960k                              | 1.960k           | 1.960k     | -          | -      |  |
|                                       |                                   |                     | TOTAL W                                        |                            |                     |        |              | 2.100k                              | 2.100k           | 2.100k     | 580        | 2.900k |  |
|                                       | COP/COP CLASS                     |                     | TOTAL(W/W)※5/("A"~"G")                         |                            | -                   | -      | -            | 3.81                                | 3.81 / A         | 3.81       | 4.83       | 3.10   |  |
|                                       | Erp<br>※6                         | Pdsign              | kW                                             | -                          | -                   | -      | -            | -                                   | 7.1              | -          |            |        |  |
|                                       |                                   | Tbivalen            | °C                                             | -                          | -                   | -      | -            | -                                   | -9               | -          |            |        |  |
|                                       |                                   | SCOP                | (W/W)                                          | -                          | -                   | -      | -            | -                                   | 3.9              | -          |            |        |  |
|                                       |                                   | Annual consumption  | kWh                                            | -                          | -                   | -      | -            | -                                   | 2548             | -          |            |        |  |
|                                       |                                   |                     | Class                                          |                            |                     | -      | -            | -                                   | -                | A          | -          |        |  |
|                                       | POWER FACTOR                      |                     | %                                              |                            | -                   | -      | -            | 96                                  | 94               | 94         | -          | -      |  |
|                                       | NOISE INDOOR (H/M/L)              |                     | dB-A                                           |                            | 33/29/25            |        |              |                                     |                  |            |            |        |  |
|                                       |                                   |                     | Power Level dB                                 |                            | 55/51/47            |        |              |                                     |                  |            |            |        |  |
| NOISE OUTDOOR (H/L)                   |                                   | dB-A                |                                                |                            |                     |        | 50/-         |                                     |                  |            |            |        |  |
|                                       |                                   | Power Level dB      |                                                |                            |                     |        | 67/-         |                                     |                  |            |            |        |  |
| EXTRA LOW TEMP                        |                                   |                     | Total CAPACITY(kW)/INPUT POWER(W)/COP          |                            |                     |        |              |                                     |                  |            |            |        |  |
| MAX CURRENT(A)/MAX INPUT POWER(W)     |                                   |                     | 0.86×2/105×2                                   |                            | 0.82×2/105×2        |        | 0.79×2/105×2 |                                     | 7.0/4.150k       | 7.0/4.360k | 7.0/4.530k | /      |  |
| STARTING CURRENT(A)/COMP OUTPUT(W)    |                                   |                     | -                                              |                            | -                   |        | -            |                                     | 3.10/2.0k        | 3.00/2.0k  | 2.90/2.0k  | /      |  |
| NETWORK IMPEDANCE (ΩMAX.)             |                                   |                     |                                                |                            |                     |        |              |                                     |                  |            |            |        |  |
| FM OUTPUT (W)                         |                                   |                     | 120                                            |                            |                     |        |              | 90                                  |                  |            | /          |        |  |
| MOISTURE REMOVAL VOLUME               |                                   |                     | L/h(Pt/h)                                      |                            | 4.2 (2.1×2) (8.8)   |        |              |                                     |                  |            |            |        |  |
| External static pressure              |                                   |                     | Pa                                             |                            | 70 (MIN10 - MAX150) |        |              |                                     |                  |            |            |        |  |
| I/D AIR FLOW                          | COOL                              | m³/min (ft³/min)    |                                                | [14/13/10 (494/459/353)]×2 |                     |        |              |                                     |                  |            |            |        |  |
|                                       | HEAT                              | m³/min (ft³/min)    |                                                | [14/13/10 (494/459/353)]×2 |                     |        |              |                                     |                  |            |            |        |  |
| O/D AIR FLOW                          | COOL                              | m³/min (ft³/min)    |                                                |                            |                     |        |              |                                     | 60 (2119)        |            |            |        |  |
|                                       | HEAT                              | m³/min (ft³/min)    |                                                |                            |                     |        |              |                                     | 60 (2119)        |            |            |        |  |
| REFRIGERANT TYPE, AMOUNT g(oz)        |                                   |                     |                                                |                            |                     |        |              | R410A                               | 2.35k (82.9)     | /          |            |        |  |
| P<br>R<br>O<br>M                      | D                                 | HEIGHT : H mm(inch) |                                                | 290 (11-13/32)             |                     |        |              |                                     | 996 (39-7/32) /  |            |            |        |  |
|                                       | I                                 | WIDTH : W mm(inch)  |                                                | 800 (31-1/2)               |                     |        |              |                                     | 940 (37-1/32) /  |            |            |        |  |
|                                       | M                                 | DEPTH : D mm(inch)  |                                                | 700 (27-9/16)              |                     |        |              |                                     | 340 (13-13/32) / |            |            |        |  |
| P<br>A<br>C<br>M                      | D                                 | HEIGHT : H mm       |                                                | 355                        |                     |        |              |                                     | 1136 /           |            |            |        |  |
|                                       | I                                 | WIDTH : W mm        |                                                | 1014                       |                     |        |              |                                     | 1055 /           |            |            |        |  |
|                                       | M                                 | DEPTH : D mm        |                                                | 850                        |                     |        |              |                                     | 485 /            |            |            |        |  |
| MASS                                  | (NET) kg(lb)                      |                     | 28 (62)                                        |                            |                     |        |              | 71 (157) /                          |                  |            |            |        |  |
|                                       | (GROSS) kg(lb)                    |                     | 35 (78)                                        |                            |                     |        |              | 79 (174) /                          |                  |            |            |        |  |
| LAYERS LIMIT (actually)               |                                   |                     | 9 (10)                                         |                            |                     |        |              | 2 (3)                               |                  |            |            |        |  |
| Operation                             |                                   | Cool O.D(DBT)       |                                                | 18°C ~ 32°C                |                     |        |              |                                     | -15°C ~ 46°C     |            |            |        |  |
| Condition                             |                                   | Heat O.D(DBT)       |                                                | 16°C ~ 30°C                |                     |        |              |                                     | -20°C ~ 24°C     |            |            |        |  |
| P<br>I<br>P<br>E<br>I<br>N<br>G       | PIPE DIAMETER mm (inch)           |                     | (Liquid)ø6.35(1/4) (Gas)ø12.7(1/2)             |                            |                     |        |              | (Liquid)ø9.52(3/8) (Gas)ø15.88(5/8) |                  |            |            |        |  |
|                                       | CONNECT METHOD, STD LENGTH m (ft) |                     | flared type, 5.0(16.4)                         |                            |                     |        |              | flared type, 5.0(16.4)              |                  |            |            |        |  |
|                                       | PIPE LENGTH RANGE m (ft)          |                     | 5 ~ 50 (16.4 ~ 164.0)                          |                            |                     |        |              | ~ ~                                 |                  |            |            |        |  |
|                                       | I/D&O/D HEIGHT DIFFERENCE m (ft)  |                     | 15 (OD located lower) / 30 (OD located higher) |                            |                     |        |              | (49.2/98.4)                         |                  |            |            |        |  |
|                                       | ADD GAS AMOUNT g/m (oz/ft)        |                     | 50 (0.538)                                     |                            |                     |        |              |                                     |                  |            |            |        |  |
| PIPE LENGTH FOR ADDITIONAL GAS m (ft) |                                   | 30 (98.4)           |                                                |                            |                     |        |              |                                     |                  |            |            |        |  |

\*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m³/min.) shall be multiplied by 16.7 and rounded down the decimal point.

\*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.

\*3: Network Impedance shall be applicable for EUROPE and CHINA models.

\*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.

\*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.

\*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

# Simultaneous (Triple) -Type

## 1-1. Unit Specifications

### PE1

#### 4. Low Silhouette Ducted Type S-36PF1E5A×3 / U-100PE1E8A

| INDOOR                                                                            |                                           |                     | MODEL                                          |                | S-36PF1E5A×3               |                                        |          |             |                                     |                |              |            |   |        |            |  |  |            |   |  |   |  |  |
|-----------------------------------------------------------------------------------|-------------------------------------------|---------------------|------------------------------------------------|----------------|----------------------------|----------------------------------------|----------|-------------|-------------------------------------|----------------|--------------|------------|---|--------|------------|--|--|------------|---|--|---|--|--|
| OUTDOOR                                                                           |                                           |                     | MODEL                                          |                |                            |                                        |          | U-100PE1E8A |                                     |                |              |            |   |        |            |  |  |            |   |  |   |  |  |
| Branch pipe                                                                       |                                           |                     | MODEL                                          |                |                            |                                        |          | CZ-P3HPC2   |                                     |                |              |            |   |        |            |  |  |            |   |  |   |  |  |
| PERFORMANCE TEST CONDITION                                                        |                                           |                     |                                                |                |                            | ISO13253 / EN14511 / EN14825 / EN12102 |          |             |                                     |                |              |            |   |        |            |  |  |            |   |  |   |  |  |
| POWER SUPPLY                                                                      |                                           |                     | ø, Hz                                          |                | 1ø 50Hz                    |                                        |          | 3ø 50Hz     |                                     |                |              |            |   |        |            |  |  |            |   |  |   |  |  |
|                                                                                   |                                           |                     | V                                              |                | 220                        | 230                                    | 240      | 380         | 400                                 | 415            | Min          | Max        |   |        |            |  |  |            |   |  |   |  |  |
| C<br>O<br>O<br>L<br>I<br>N<br>G                                                   | CAPACITY                                  |                     | kW                                             |                | 10.0                       | 10.0                                   | 10.0     |             |                                     |                | 3.3          | 12.5       |   |        |            |  |  |            |   |  |   |  |  |
|                                                                                   |                                           |                     | BTU/h                                          |                | 34100                      | 34100                                  | 34100    |             |                                     |                | 11300        | 42700      |   |        |            |  |  |            |   |  |   |  |  |
|                                                                                   | CURRENT                                   |                     | A                                              |                | 0.6×3                      | 0.57×3                                 | 0.56×3   | 3.68        | 3.53                                | 3.43           | -            | -          |   |        |            |  |  |            |   |  |   |  |  |
|                                                                                   |                                           |                     | W                                              |                | 70×3                       | 70×3                                   | 70×3     | 2.245k      | 2.245k                              | 2.245k         | -            | -          |   |        |            |  |  |            |   |  |   |  |  |
|                                                                                   | INPUT POWER                               |                     | TOTAL W                                        |                |                            |                                        |          | 2.455k      | 2.455k                              | 2.455k         | 840          | 3.700k     |   |        |            |  |  |            |   |  |   |  |  |
|                                                                                   |                                           |                     | ANNUAL CONSUMPTION TOTAL kWh ※4                |                |                            |                                        |          | -           | 1227.5                              | -              | -            | -          |   |        |            |  |  |            |   |  |   |  |  |
|                                                                                   | EER/EER CLASS                             |                     | TOTAL(W/W)※5/("A"~"G")                         |                | -                          | -                                      | -        | 4.07        | 4.07 / A                            | 4.07           | 3.93         | 3.38       |   |        |            |  |  |            |   |  |   |  |  |
|                                                                                   |                                           |                     | Pdsign kW                                      |                | -                          | -                                      | -        | -           | 10.0                                | -              |              |            |   |        |            |  |  |            |   |  |   |  |  |
|                                                                                   | Erp<br>※6                                 | SEER                |                                                | (W/W)          |                            | -                                      | -        | -           | -                                   | 5.7            | -            |            |   |        |            |  |  |            |   |  |   |  |  |
|                                                                                   |                                           | Annual consumption  |                                                | kWh            |                            | -                                      | -        | -           | -                                   | 614            | -            |            |   |        |            |  |  |            |   |  |   |  |  |
|                                                                                   |                                           | Class               |                                                |                |                            | -                                      | -        | -           | -                                   | A+             | -            |            |   |        |            |  |  |            |   |  |   |  |  |
|                                                                                   |                                           | POWER FACTOR        |                                                | %              |                            | -                                      | -        | -           | 93                                  | 92             | 91           | -          | - |        |            |  |  |            |   |  |   |  |  |
| NOISE INDOOR<br>(H/M/L)                                                           |                                           | dB-A                |                                                | 33/29/25       |                            |                                        |          |             |                                     |                |              |            |   |        |            |  |  |            |   |  |   |  |  |
|                                                                                   |                                           | Power Level dB      |                                                | 55/51/47       |                            |                                        |          |             |                                     |                |              |            |   |        |            |  |  |            |   |  |   |  |  |
| NOISE OUTDOOR<br>(H/L)                                                            |                                           | dB-A                |                                                |                |                            |                                        | 52/-     |             |                                     |                |              |            |   |        |            |  |  |            |   |  |   |  |  |
|                                                                                   |                                           | Power Level dB      |                                                |                |                            |                                        | 69/-     |             |                                     |                |              |            |   |        |            |  |  |            |   |  |   |  |  |
| H<br>E<br>A<br>T<br>I<br>N<br>G                                                   | CAPACITY                                  |                     | kW                                             |                | 11.2                       | 11.2                                   | 11.2     |             |                                     |                | 4.1          | 14.0       |   |        |            |  |  |            |   |  |   |  |  |
|                                                                                   |                                           |                     | BTU/h                                          |                | 38200                      | 38200                                  | 38200    |             |                                     |                | 14000        | 47800      |   |        |            |  |  |            |   |  |   |  |  |
|                                                                                   | CURRENT                                   |                     | A                                              |                | 0.6×3                      | 0.57×3                                 | 0.56×3   | 3.86        | 3.70                                | 3.58           | -            | -          |   |        |            |  |  |            |   |  |   |  |  |
|                                                                                   |                                           |                     | W                                              |                | 70×3                       | 70×3                                   | 70×3     | 2.400k      | 2.400k                              | 2.400k         | -            | -          |   |        |            |  |  |            |   |  |   |  |  |
|                                                                                   | INPUT POWER                               |                     | TOTAL W                                        |                |                            |                                        |          | 2.610k      | 2.610k                              | 2.610k         | 900          | 4.400k     |   |        |            |  |  |            |   |  |   |  |  |
|                                                                                   |                                           |                     | COP/COP CLASS TOTAL(W/W)※5/("A"~"G")           |                | -                          | -                                      | -        | 4.29        | 4.29 / A                            | 4.29           | 4.56         | 3.18       |   |        |            |  |  |            |   |  |   |  |  |
|                                                                                   | Erp<br>※6                                 | Pdsign              |                                                | kW             |                            | -                                      | -        | -           | -                                   | 10.0           | -            |            |   |        |            |  |  |            |   |  |   |  |  |
|                                                                                   |                                           | Tbivalen            |                                                | °C             |                            | -                                      | -        | -           | -                                   | -10            | -            |            |   |        |            |  |  |            |   |  |   |  |  |
|                                                                                   |                                           | SCOP                |                                                | (W/W)          |                            | -                                      | -        | -           | -                                   | 3.8            | -            |            |   |        |            |  |  |            |   |  |   |  |  |
|                                                                                   |                                           | Annual consumption  |                                                | kWh            |                            | -                                      | -        | -           | -                                   | 3684           | -            |            |   |        |            |  |  |            |   |  |   |  |  |
|                                                                                   | POWER FACTOR                              |                     | %                                              |                | -                          | -                                      | -        | 94          | 94                                  | 93             | -            | -          |   |        |            |  |  |            |   |  |   |  |  |
|                                                                                   |                                           |                     | NOISE INDOOR<br>(H/M/L)                        |                | dB-A                       |                                        | 33/29/25 |             |                                     |                |              |            | / | /      |            |  |  |            |   |  |   |  |  |
| NOISE OUTDOOR<br>(H/L)                                                            |                                           | Power Level dB      |                                                | 55/51/47       |                            |                                        |          |             |                                     | -              | -            |            |   |        |            |  |  |            |   |  |   |  |  |
|                                                                                   |                                           | dB-A                |                                                |                |                            |                                        | 52/-     |             |                                     | /              | /            |            |   |        |            |  |  |            |   |  |   |  |  |
|                                                                                   |                                           | Power Level dB      |                                                |                |                            |                                        | 69/-     |             |                                     |                |              |            |   |        |            |  |  |            |   |  |   |  |  |
|                                                                                   |                                           |                     |                                                |                |                            |                                        |          |             |                                     |                |              |            |   |        |            |  |  |            |   |  |   |  |  |
| EXTRA LOW TEMP                                                                    |                                           |                     | Total CAPACITY(kW)/INPUT POWER(W)/COP          |                |                            |                                        |          |             |                                     |                |              |            |   |        |            |  |  |            |   |  |   |  |  |
| MAX CURRENT(A)/MAX INPUT POWER(W)                                                 |                                           |                     | 0.86×3/105×3                                   |                |                            | 0.82×3/105×3                           |          |             | 0.79×3/105×3                        |                |              | 9.0/5.550k |   |        | 9.0/5.850k |  |  | 9.0/6.100k |   |  | / |  |  |
| STARTING CURRENT(A)/COMP OUTPUT(W)                                                |                                           |                     |                                                |                |                            |                                        |          |             |                                     |                |              | 3.86/3.0k  |   |        | 3.70/3.0k  |  |  | 3.58/3.0k  |   |  | / |  |  |
| NETWORK IMPEDANCE (ΩMAX.)                                                         |                                           |                     |                                                |                |                            |                                        |          |             |                                     |                |              |            |   |        |            |  |  |            |   |  |   |  |  |
| FM OUTPUT (W)                                                                     |                                           |                     |                                                |                |                            | 120                                    |          |             |                                     |                |              | 90x2       |   |        |            |  |  | /          |   |  |   |  |  |
| MOISTURE REMOVAL VOLUME                                                           |                                           |                     | L/h(Pt/h)                                      |                |                            | 6.0                                    |          |             | (2.0×3)                             |                |              | (12.6)     |   |        |            |  |  |            |   |  |   |  |  |
| External static pressure                                                          |                                           |                     | Pa                                             |                |                            | 70                                     |          |             | (MIN10 - MAX150)                    |                |              |            |   |        |            |  |  |            |   |  |   |  |  |
| I/D AIR FLOW                                                                      | COOL                                      |                     | m³/min (ft³/min)                               |                | [14/13/10 (494/459/353)]×3 |                                        |          |             |                                     |                |              |            |   |        |            |  |  |            |   |  |   |  |  |
|                                                                                   | HEAT                                      |                     | m³/min (ft³/min)                               |                | [14/13/10 (494/459/353)]×3 |                                        |          |             |                                     |                |              |            |   |        |            |  |  |            |   |  |   |  |  |
| O/D AIR FLOW                                                                      | COOL                                      |                     | m³/min (ft³/min)                               |                |                            |                                        |          |             |                                     |                | 110          |            |   | (3885) |            |  |  |            |   |  |   |  |  |
|                                                                                   | HEAT                                      |                     | m³/min (ft³/min)                               |                |                            |                                        |          |             |                                     |                | 95           |            |   | (3355) |            |  |  |            |   |  |   |  |  |
| REFRIGERANT TYPE, AMOUNT g(oz)                                                    |                                           |                     |                                                |                |                            |                                        |          |             | R410A                               |                |              | 3.40k      |   |        | (119.9)    |  |  |            |   |  | / |  |  |
| P<br>R<br>O<br>D<br>U<br>C<br>T<br>D<br>I<br>M<br>E<br>N<br>S<br>I<br>O<br>N<br>S | D<br>I<br>M<br>E<br>N<br>S<br>I<br>O<br>N | HEIGHT : H mm(inch) |                                                | 290 (11-13/32) |                            |                                        |          |             |                                     | 1416 (55-3/4)  |              |            |   |        |            |  |  |            | / |  |   |  |  |
|                                                                                   |                                           | WIDTH : W mm(inch)  |                                                | 800 (31-1/2)   |                            |                                        |          |             |                                     | 940 (37-1/32)  |              |            |   |        |            |  |  |            | / |  |   |  |  |
|                                                                                   |                                           | DEPTH : D mm(inch)  |                                                | 700 (27-9/16)  |                            |                                        |          |             |                                     | 340 (13-13/32) |              |            |   |        |            |  |  |            | / |  |   |  |  |
| P<br>A<br>C<br>K<br>A<br>G<br>E                                                   | D<br>I<br>M<br>E<br>N<br>S<br>I<br>O<br>N | HEIGHT : H mm       |                                                | 355            |                            |                                        |          |             |                                     | 1556           |              |            |   |        |            |  |  |            | / |  |   |  |  |
|                                                                                   |                                           | WIDTH : W mm        |                                                | 1014           |                            |                                        |          |             |                                     | 1055           |              |            |   |        |            |  |  |            | / |  |   |  |  |
|                                                                                   |                                           | DEPTH : D mm        |                                                | 850            |                            |                                        |          |             |                                     | 485            |              |            |   |        |            |  |  |            | / |  |   |  |  |
| M<br>A<br>S<br>S                                                                  | M<br>A<br>S<br>S                          | (NET) kg(lb)        |                                                | 28 (62)        |                            |                                        |          |             |                                     | 98 (216)       |              |            |   |        |            |  |  |            | / |  |   |  |  |
|                                                                                   |                                           | (GROSS) kg(lb)      |                                                | 35 (78)        |                            |                                        |          |             |                                     | 108 (238)      |              |            |   |        |            |  |  |            | / |  |   |  |  |
| LAYERS LIMIT (actually)                                                           |                                           |                     |                                                |                |                            | 9 (10)                                 |          |             |                                     |                |              | 1 (2)      |   |        |            |  |  |            |   |  |   |  |  |
| Operation Condition                                                               |                                           |                     | Cool O.D(DBT)                                  |                | 18°C ~ 32°C                |                                        |          |             |                                     |                | -15°C ~ 46°C |            |   |        |            |  |  |            |   |  |   |  |  |
|                                                                                   |                                           |                     | Heat O.D(DBT)                                  |                | 16°C ~ 30°C                |                                        |          |             |                                     |                | -20°C ~ 24°C |            |   |        |            |  |  |            |   |  |   |  |  |
| P<br>I<br>P<br>E<br>N<br>G                                                        | PIPE DIAMETER mm (inch)                   |                     | (Liquid)ø6.35(1/4) (Gas)ø12.7(1/2)             |                |                            |                                        |          |             | (Liquid)ø9.52(3/8) (Gas)ø15.88(5/8) |                |              |            |   |        |            |  |  |            |   |  |   |  |  |
|                                                                                   | CONNECT METHOD, STD LENGTH m (ft)         |                     | flared type, 5.0(16.4)                         |                |                            |                                        |          |             | flared type, 5.0(16.4)              |                |              |            |   |        |            |  |  |            |   |  |   |  |  |
|                                                                                   | PIPE LENGTH RANGE m (ft)                  |                     | 5 ~ 75 (16.4 ~ 246.1)                          |                |                            |                                        |          |             |                                     |                |              |            |   |        |            |  |  | ~ ~        |   |  |   |  |  |
|                                                                                   | I/D&O/D HEIGHT DIFFERENCE m (ft)          |                     | 15 (OD located lower) / 30 (OD located higher) |                |                            |                                        |          |             | (49.2/98.4)                         |                |              |            |   |        |            |  |  |            |   |  |   |  |  |
|                                                                                   | ADD GAS AMOUNT g/m (oz/ft)                |                     | 50 (0.538)                                     |                |                            |                                        |          |             |                                     |                |              |            |   |        |            |  |  |            |   |  |   |  |  |
| PIPE LENGTH FOR ADDITIONAL GAS m (ft)                                             |                                           |                     | 20 (65.6)                                      |                |                            |                                        |          |             |                                     |                |              |            |   |        |            |  |  |            |   |  |   |  |  |

\*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m³/min.) shall be multiplied by 16.7 and rounded down the decimal point.

\*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.

\*3: Network Impedance shall be applicable for EUROPE and CHINA models.

\*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.

\*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.

\*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

# Simultaneous (Double-Twin) -Type

## 1-1. Unit Specifications

### PE1

#### 4. Low Silhouette Ducted Type S-36PF1E5A×4 / U-125PE1E8A

| INDOOR                                |                                   |                     | MODEL                                          |                            | S-36PF1E5A×4        |                                     |                | U-125PE1E8A  |             |             |       |        |
|---------------------------------------|-----------------------------------|---------------------|------------------------------------------------|----------------------------|---------------------|-------------------------------------|----------------|--------------|-------------|-------------|-------|--------|
| OUTDOOR                               |                                   |                     | MODEL                                          |                            |                     |                                     |                |              |             |             |       |        |
| Branch pipe                           |                                   |                     | MODEL                                          |                            |                     |                                     |                | CZ-P155BK1×3 |             |             |       |        |
| PERFORMANCE TEST CONDITION            |                                   |                     | ISO13253 / EN14511 / EN12102                   |                            |                     |                                     |                |              |             |             |       |        |
| POWER SUPPLY                          |                                   |                     | ø, Hz                                          |                            | 1ø 50Hz             |                                     |                | 3ø 50Hz      |             |             |       |        |
|                                       |                                   |                     | V                                              |                            | 220                 | 230                                 | 240            | 380          | 400         | 415         | Min   | Max    |
| C<br>O<br>O<br>L<br>I<br>N<br>G       | CAPACITY                          |                     | kW                                             |                            | 12.5                | 12.5                                | 12.5           |              |             |             | 3.3   | 14.0   |
|                                       |                                   |                     | BTU/h                                          |                            | 42700               | 42700                               | 42700          |              |             |             | 11300 | 47800  |
|                                       | CURRENT                           |                     | A                                              |                            | 0.6×4               | 0.57×4                              | 0.56×4         | 5.52         | 5.29        | 5.12        | -     | -      |
|                                       | INPUT POWER                       |                     | W                                              |                            | 70×4                | 70×4                                | 70×4           | 3.355k       | 3.355k      | 3.355k      | -     | -      |
|                                       |                                   |                     | TOTAL W                                        |                            |                     |                                     |                | 3.635k       | 3.635k      | 3.635k      | 840   | 4.600k |
|                                       | ANNUAL CONSUMPTION                |                     | TOTAL kWh ※4                                   |                            |                     |                                     |                | -            | 1817.5      | -           | -     | -      |
|                                       | EER/EER CLASS                     |                     | TOTAL(W/W)※5/("A"~"G")                         |                            | -                   | -                                   | -              | 3.44         | 3.44 / A    | 3.44        | 3.93  | 3.04   |
|                                       | Erp<br>※6                         | Pdsign              | kW                                             |                            | -                   | -                                   | -              | -            | -           | -           |       |        |
|                                       |                                   | SEER                | (W/W)                                          |                            | -                   | -                                   | -              | -            | -           | -           |       |        |
|                                       |                                   | Annual consumption  | kWh                                            |                            | -                   | -                                   | -              | -            | -           | -           |       |        |
|                                       |                                   | Class               |                                                |                            | -                   | -                                   | -              | -            | -           | -           |       |        |
| POWER FACTOR                          |                                   | %                   |                                                | -                          | -                   | -                                   | 92             | 92           | 91          | -           | -     |        |
| NOISE INDOOR (H/M/L)                  |                                   | dB-A                |                                                | 33/29/25                   |                     |                                     |                |              |             |             |       |        |
|                                       |                                   | Power Level dB      |                                                | 55/51/47                   |                     |                                     |                |              |             |             |       |        |
| NOISE OUTDOOR (H/L)                   |                                   | dB-A                |                                                |                            |                     |                                     | 53/-           |              |             |             |       |        |
|                                       |                                   | Power Level dB      |                                                |                            |                     |                                     | 70/-           |              |             |             |       |        |
| H<br>E<br>A<br>T<br>I<br>N<br>G       | CAPACITY                          |                     | kW                                             |                            | 14.0                | 14.0                                | 14.0           |              |             |             | 4.1   | 16.0   |
|                                       |                                   |                     | BTU/h                                          |                            | 47800               | 47800                               | 47800          |              |             |             | 14000 | 54600  |
|                                       | CURRENT                           |                     | A                                              |                            | 0.6×4               | 0.57×4                              | 0.56×4         | 5.44         | 5.26        | 5.05        | -     | -      |
|                                       | INPUT POWER                       |                     | W                                              |                            | 70×4                | 70×4                                | 70×4           | 3.270k       | 3.270k      | 3.270k      | -     | -      |
|                                       |                                   |                     | TOTAL W                                        |                            |                     |                                     |                | 3.550k       | 3.550k      | 3.550k      | 900   | 5.200k |
|                                       | COP/COP CLASS                     |                     | TOTAL(W/W)※5/("A"~"G")                         |                            | -                   | -                                   | -              | 3.94         | 3.94 / A    | 3.94        | 4.56  | 3.08   |
|                                       | Erp<br>※6                         | Pdsign              | kW                                             |                            | -                   | -                                   | -              | -            | -           | -           |       |        |
|                                       |                                   | Tbivalen            | °C                                             |                            | -                   | -                                   | -              | -            | -           | -           |       |        |
|                                       |                                   | SCOP                | (W/W)                                          |                            | -                   | -                                   | -              | -            | -           | -           |       |        |
|                                       |                                   | Annual consumption  | kWh                                            |                            | -                   | -                                   | -              | -            | -           | -           |       |        |
|                                       |                                   | Class               |                                                |                            | -                   | -                                   | -              | -            | -           | -           |       |        |
|                                       | POWER FACTOR                      |                     | %                                              |                            | -                   | -                                   | -              | 91           | 90          | 90          | -     | -      |
|                                       | NOISE INDOOR (H/M/L)              |                     | dB-A                                           |                            | 33/29/25            |                                     |                |              |             |             | /     | /      |
|                                       |                                   |                     | Power Level dB                                 |                            | 55/51/47            |                                     |                |              |             |             |       |        |
|                                       | NOISE OUTDOOR (H/L)               |                     | dB-A                                           |                            |                     |                                     |                | 53/-         |             |             | /     | /      |
|                                       |                                   | Power Level dB      |                                                |                            |                     |                                     | 70/-           |              |             |             |       |        |
| EXTRA LOW TEMP                        |                                   |                     | Total CAPACITY(kW)/INPUT POWER(W)/COP          |                            |                     | -                                   |                |              |             |             |       |        |
| MAX CURRENT(A)/MAX INPUT POWER(W)     |                                   |                     | 0.86×4/105×4                                   |                            |                     | 0.82×4/105×4                        | 0.79×4/105×4   | 10.0/6.200k  | 10.0/6.500k | 10.0/6.750k | /     |        |
| STARTING CURRENT(A)/COMP OUTPUT(W)    |                                   |                     | -                                              |                            |                     | -                                   | -              | 5.52/3.0k    | 5.29/3.0k   | 5.12/3.0k   | /     |        |
| NETWORK IMPEDANCE (ΩMAX.)             |                                   |                     |                                                |                            |                     |                                     |                |              |             |             |       |        |
| FM OUTPUT (W)                         |                                   |                     |                                                |                            |                     | 120                                 |                |              | 90x2        |             |       | /      |
| MOISTURE REMOVAL VOLUME               |                                   |                     | L/h(Pt/h)                                      |                            | 7.9                 | (1.98×4)                            | (16.6)         |              |             |             |       |        |
| External static pressure              |                                   |                     | Pa                                             |                            | 70 (MIN10 - MAX150) |                                     |                |              |             |             |       |        |
| I/D AIR FLOW                          | COOL                              | m³/min (ft³/min)    |                                                | [14/13/10 (494/459/353)]×4 |                     |                                     |                |              |             |             |       |        |
|                                       | HEAT                              | m³/min (ft³/min)    |                                                | [14/13/10 (494/459/353)]×4 |                     |                                     |                |              |             |             |       |        |
| O/D AIR FLOW                          | COOL                              | m³/min (ft³/min)    |                                                |                            |                     |                                     | 130            |              |             | (4591)      |       |        |
|                                       | HEAT                              | m³/min (ft³/min)    |                                                |                            |                     |                                     | 110            |              |             | (3885)      |       |        |
| REFRIGERANT TYPE, AMOUNT g(oz)        |                                   |                     |                                                |                            |                     | R410A                               |                |              | 3.40k       | (119.9)     | /     |        |
| P                                     | D                                 | HEIGHT : H mm(inch) |                                                | 290 (11-13/32)             |                     |                                     | 1416 (55-3/4)  |              |             |             |       |        |
| R                                     | I                                 | WIDTH : W mm(inch)  |                                                | 800 (31-1/2)               |                     |                                     | 940 (37-1/32)  |              |             |             |       |        |
| O                                     | M                                 | DEPTH : D mm(inch)  |                                                | 700 (27-9/16)              |                     |                                     | 340 (13-13/32) |              |             |             |       |        |
| P                                     | D                                 | HEIGHT : H mm       |                                                | 355                        |                     |                                     | 1556           |              |             |             |       |        |
| A                                     | I                                 | WIDTH : W mm        |                                                | 1014                       |                     |                                     | 1055           |              |             |             |       |        |
| C                                     | M                                 | DEPTH : D mm        |                                                | 850                        |                     |                                     | 485            |              |             |             |       |        |
| MASS                                  |                                   | (NET) kg(lb)        |                                                | 28 (62)                    |                     |                                     | 98 (216)       |              |             |             |       |        |
|                                       |                                   | (GROSS) kg(lb)      |                                                | 35 (78)                    |                     |                                     | 108 (238)      |              |             |             |       |        |
| LAYERS LIMIT (actually)               |                                   |                     | 9 (10)                                         |                            |                     | 1 (2)                               |                |              |             |             |       |        |
| Operation Condition                   |                                   | Cool O.D(DBT)       |                                                | 18°C ~ 32°C                |                     |                                     | -15°C ~ 46°C   |              |             |             |       |        |
|                                       |                                   | Heat O.D(DBT)       |                                                | 16°C ~ 30°C                |                     |                                     | -20°C ~ 24°C   |              |             |             |       |        |
| P<br>I<br>P<br>I<br>N<br>G            | PIPE DIAMETER mm (inch)           |                     | (Liquid)ø6.35(1/4) (Gas)ø12.7(1/2)             |                            |                     | (Liquid)ø9.52(3/8) (Gas)ø15.88(5/8) |                |              |             |             |       |        |
|                                       | CONNECT METHOD, STD LENGTH m (ft) |                     | flared type, 5.0(16.4)                         |                            |                     | flared type, 5.0(16.4)              |                |              |             |             |       |        |
|                                       | PIPE LENGTH RANGE m (ft)          |                     | 5 ~ 75 (16.4 ~ 246.1)                          |                            |                     |                                     |                |              | ~           | ~           |       |        |
|                                       | I/D&O/D HEIGHT DIFFERENCE m (ft)  |                     | 15 (OD located lower) / 30 (OD located higher) |                            |                     | (49.2/98.4)                         |                |              |             |             |       |        |
|                                       | ADD GAS AMOUNT g/m (oz/ft)        |                     | 50 (0.538)                                     |                            |                     |                                     |                |              |             |             |       |        |
| PIPE LENGTH FOR ADDITIONAL GAS m (ft) |                                   | 20 (65.6)           |                                                |                            |                     |                                     |                |              |             |             |       |        |

\*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m³/min.) shall be multiplied by 16.7 and rounded down the decimal point.

\*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.

\*3: Network Impedance shall be applicable for EUROPE and CHINA models.

\*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.

\*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.

\*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

# Simultaneous (Triple) -Type

## 1-1. Unit Specifications

### PE1

#### 4. Low Silhouette Ducted Type S-45PF1E5A×3 / U-125PE1E8A

| INDOOR                                               |                                   |                     | MODEL                                          |              | S-45PF1E5A×3                 |                                     |             |             |          |        |       |        |   |
|------------------------------------------------------|-----------------------------------|---------------------|------------------------------------------------|--------------|------------------------------|-------------------------------------|-------------|-------------|----------|--------|-------|--------|---|
| OUTDOOR                                              |                                   |                     | MODEL                                          |              |                              |                                     |             | U-125PE1E8A |          |        |       |        |   |
| Branch pipe                                          |                                   |                     | MODEL                                          |              |                              |                                     |             | CZ-P3HPC2   |          |        |       |        |   |
| PERFORMANCE TEST CONDITION                           |                                   |                     |                                                |              | ISO13253 / EN14511 / EN12102 |                                     |             |             |          |        |       |        |   |
| POWER SUPPLY                                         |                                   |                     | ø, Hz                                          |              | 1ø 50Hz                      |                                     |             | 3ø 50Hz     |          |        |       |        |   |
|                                                      |                                   |                     | V                                              |              | 220                          | 230                                 | 240         | 380         | 400      | 415    | Min   | Max    |   |
| C<br>O<br>O<br>L<br>I<br>N<br>G                      | CAPACITY                          |                     | kW                                             |              | 12.5                         | 12.5                                | 12.5        |             |          |        | 3.3   | 14.0   |   |
|                                                      |                                   |                     | BTU/h                                          |              | 42700                        | 42700                               | 42700       |             |          |        | 11300 | 47800  |   |
|                                                      | CURRENT                           |                     | A                                              |              | 0.60×3                       | 0.57×3                              | 0.56×3      | 5.52        | 5.29     | 5.12   | -     | -      |   |
|                                                      |                                   |                     | W                                              |              | 70×3                         | 70×3                                | 70×3        | 3.360k      | 3.360k   | 3.360k | -     | -      |   |
|                                                      | INPUT POWER                       |                     | TOTAL W                                        |              | -                            |                                     |             | 3.570k      | 3.570k   | 3.570k | 840   | 4.600k |   |
|                                                      |                                   |                     | TOTAL kWh ※4                                   |              | -                            |                                     |             | -           | 1785     | -      | -     | -      | - |
|                                                      | EER/EER CLASS                     |                     | TOTAL(W/W)※5/("A"~"G")                         |              | -                            | -                                   | -           | 3.50        | 3.50 / A | 3.50   | 3.93  | 3.04   |   |
|                                                      |                                   |                     | Pdsign kW                                      |              | -                            | -                                   | -           | -           | -        | -      |       |        |   |
|                                                      | Erp<br>※6                         | SEER                | (W/W)                                          |              | -                            | -                                   | -           | -           | -        | -      |       |        |   |
|                                                      |                                   |                     | Annual consumption kWh                         |              | -                            | -                                   | -           | -           | -        | -      |       |        |   |
|                                                      |                                   |                     | Class                                          |              | -                            | -                                   | -           | -           | -        | -      |       |        |   |
|                                                      |                                   |                     | POWER FACTOR %                                 |              | -                            | -                                   | -           | 92          | 92       | 91     | -     | -      |   |
|                                                      | NOISE INDOOR (H/M/L)              |                     | dB-A                                           |              | 34/30/26                     |                                     |             |             |          |        |       |        |   |
| Power Level dB                                       |                                   |                     | 56/52/48                                       |              |                              |                                     |             |             |          |        |       |        |   |
| NOISE OUTDOOR (H/L)                                  |                                   | dB-A                |                                                |              |                              |                                     | 53/-        |             |          |        |       |        |   |
|                                                      |                                   | Power Level dB      |                                                |              |                              |                                     | 70/-        |             |          |        |       |        |   |
| H<br>E<br>A<br>T<br>I<br>N<br>G                      | CAPACITY                          |                     | kW                                             |              | 14.0                         | 14.0                                | 14.0        |             |          |        | 4.1   | 16.0   |   |
|                                                      |                                   |                     | BTU/h                                          |              | 47800                        | 47800                               | 47800       |             |          |        | 14000 | 54600  |   |
|                                                      | CURRENT                           |                     | A                                              |              | 0.60×3                       | 0.57×3                              | 0.56×3      | 5.44        | 5.26     | 5.05   | -     | -      |   |
|                                                      |                                   |                     | W                                              |              | 70×3                         | 70×3                                | 70×3        | 3.270k      | 3.270k   | 3.270k | -     | -      |   |
|                                                      | INPUT POWER                       |                     | TOTAL W                                        |              | -                            |                                     |             | 3.480k      | 3.480k   | 3.480k | 900   | 5.200k |   |
|                                                      |                                   |                     | TOTAL(W/W)※5/("A"~"G")                         |              | -                            | -                                   | -           | 4.02        | 4.02 / A | 4.02   | 4.56  | 3.08   |   |
|                                                      | Erp<br>※6                         | Pdsign              | kW                                             |              | -                            | -                                   | -           | -           | -        | -      |       |        |   |
|                                                      |                                   |                     | Tbivalen °C                                    | -            | -                            | -                                   | -           | -           | -        | -      |       |        |   |
|                                                      |                                   |                     |                                                | SCOP (W/W)   | -                            | -                                   | -           | -           | -        | -      | -     |        |   |
|                                                      |                                   |                     |                                                |              | Annual consumption kWh       |                                     | -           | -           | -        | -      | -     | -      |   |
|                                                      |                                   | Class               |                                                |              | -                            | -                                   | -           | -           | -        | -      |       |        |   |
|                                                      |                                   |                     | POWER FACTOR %                                 |              | -                            | -                                   | -           | 91          | 90       | 90     | -     | -      |   |
|                                                      |                                   |                     | NOISE INDOOR (H/M/L)                           |              | dB-A                         |                                     | 34/30/26    |             |          |        |       |        | / |
| Power Level dB                                       |                                   |                     |                                                |              | 56/52/48                     |                                     |             |             |          |        |       |        |   |
| NOISE OUTDOOR (H/L)                                  |                                   | dB-A                |                                                | -            |                              |                                     | 53/-        |             |          | /      | /     |        |   |
|                                                      |                                   | Power Level dB      |                                                | -            |                              |                                     | 70/-        |             |          |        |       |        |   |
| EXTRA LOW TEMP Total CAPACITY(kW)/INPUT POWER(W)/COP |                                   |                     |                                                |              |                              | -                                   |             |             |          |        |       |        |   |
| MAX CURRENT(A)/MAX INPUT POWER(W)                    |                                   |                     | 0.86×3/105×3                                   | 0.82×3/105×3 | 0.79×3/105×3                 | 10.0/6.200k                         | 10.0/6.500k | 10.0/6.750k | /        |        |       |        |   |
| STARTING CURRENT(A)/COMP OUTPUT(W)                   |                                   |                     | -                                              | -            | -                            | 5.52/3.0k                           | 5.29/3.0k   | 5.12/3.0k   | /        |        |       |        |   |
| NETWORK IMPEDANCE (ΩMAX.)                            |                                   |                     |                                                |              |                              |                                     |             |             |          |        |       |        |   |
| FM OUTPUT (W)                                        |                                   |                     | 120                                            |              |                              | 90x2                                |             |             | /        |        |       |        |   |
| MOISTURE REMOVAL VOLUME L/h(Pt/h)                    |                                   |                     | 7.9                                            | (2.63×3)     | (16.6)                       |                                     |             |             |          |        |       |        |   |
| External static pressure Pa                          |                                   |                     | 70 (MIN10 - MAX150)                            |              |                              |                                     |             |             |          |        |       |        |   |
| I/D AIR FLOW                                         | COOL                              | m³/min (ft³/min)    | [14/13/10 (494/459/353)]×3                     |              |                              |                                     |             |             |          |        |       |        |   |
|                                                      | HEAT                              | m³/min (ft³/min)    | [14/13/10 (494/459/353)]×3                     |              |                              |                                     |             |             |          |        |       |        |   |
| O/D AIR FLOW                                         | COOL                              | m³/min (ft³/min)    |                                                |              |                              | 130                                 | (4591)      |             |          |        |       |        |   |
|                                                      | HEAT                              | m³/min (ft³/min)    |                                                |              |                              | 110                                 | (3885)      |             |          |        |       |        |   |
| REFRIGERANT TYPE, AMOUNT g(oz)                       |                                   |                     |                                                |              |                              | R410A                               | 3.40k       | (119.9)     | /        |        |       |        |   |
| P<br>R<br>O<br>M                                     | D<br>I<br>M                       | HEIGHT : H mm(inch) | 290 (11-13/32)                                 |              |                              | 1416 (55-3/4)                       |             |             | /        |        |       |        |   |
|                                                      |                                   | WIDTH : W mm(inch)  | 800 (31-1/2)                                   |              |                              | 940 (37-1/32)                       |             |             | /        |        |       |        |   |
|                                                      |                                   | DEPTH : D mm(inch)  | 700 (27-9/16)                                  |              |                              | 340 (13-13/32)                      |             |             | /        |        |       |        |   |
| P<br>A<br>C<br>M                                     | D<br>I<br>M                       | HEIGHT : H mm       | 355                                            |              |                              | 1556                                |             |             | /        |        |       |        |   |
|                                                      |                                   | WIDTH : W mm        | 1014                                           |              |                              | 1055                                |             |             | /        |        |       |        |   |
|                                                      |                                   | DEPTH : D mm        | 850                                            |              |                              | 485                                 |             |             | /        |        |       |        |   |
| MASS                                                 |                                   | (NET) kg(lb)        | 28 (62)                                        |              |                              | 98 (216)                            |             |             | /        |        |       |        |   |
|                                                      |                                   | (GROSS) kg(lb)      | 35 (78)                                        |              |                              | 108 (238)                           |             |             | /        |        |       |        |   |
| LAYERS LIMIT (actually)                              |                                   |                     | 9 (10)                                         |              |                              | 1 (2)                               |             |             |          |        |       |        |   |
| Operation Condition                                  |                                   | Cool O.D(DBT)       | 18°C ~ 32°C                                    |              |                              | -15°C ~ 46°C                        |             |             |          |        |       |        |   |
|                                                      |                                   | Heat O.D(DBT)       | 16°C ~ 30°C                                    |              |                              | -20°C ~ 24°C                        |             |             |          |        |       |        |   |
| P<br>I<br>P<br>I<br>N<br>G                           | PIPE DIAMETER mm (inch)           |                     | (Liquid)ø6.35(1/4) (Gas)ø12.7(1/2)             |              |                              | (Liquid)ø9.52(3/8) (Gas)ø15.88(5/8) |             |             |          |        |       |        |   |
|                                                      | CONNECT METHOD, STD LENGTH m (ft) |                     | flared type, 5.0(16.4)                         |              |                              | flared type, 5.0(16.4)              |             |             |          |        |       |        |   |
|                                                      | PIPE LENGTH RANGE m (ft)          |                     | 5 ~ 75 (16.4 ~ 246.1)                          |              |                              |                                     |             |             | ~        | ~      |       |        |   |
|                                                      | I/D&O/D HEIGHT DIFFERENCE m (ft)  |                     | 15 (OD located lower) / 30 (OD located higher) |              |                              | (49.2/98.4)                         |             |             |          |        |       |        |   |
|                                                      | ADD GAS AMOUNT g/m (oz/ft)        |                     | 50 (0.538)                                     |              |                              |                                     |             |             |          |        |       |        |   |
| PIPE LENGTH FOR ADDITIONAL GAS m (ft)                |                                   |                     | 20 (65.6)                                      |              |                              |                                     |             |             |          |        |       |        |   |

\*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m³/min.) shall be multiplied by 16.7 and rounded down the decimal point.

\*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.

\*3: Network Impedance shall be applicable for EUROPE and CHINA models.

\*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.

\*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.

\*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

# 1 Simultaneous (Twin) -Type

## 1-1. Unit Specifications

### PE1

#### 4. Low Silhouette Ducted Type S-50PF1E5A×2 / U-100PE1E8A

| INDOOR                                |                                   |                     | MODEL                                          |                            | S-50PF1E5A×2        |                                     |                |             |            |            |       |        |
|---------------------------------------|-----------------------------------|---------------------|------------------------------------------------|----------------------------|---------------------|-------------------------------------|----------------|-------------|------------|------------|-------|--------|
| OUTDOOR                               |                                   |                     | MODEL                                          |                            |                     |                                     |                | U-100PE1E8A |            |            |       |        |
| Branch pipe                           |                                   |                     | MODEL                                          |                            |                     |                                     |                | CZ-P155BK1  |            |            |       |        |
| PERFORMANCE TEST CONDITION            |                                   |                     | ISO13253 / EN14511 / EN14825 / EN12102         |                            |                     |                                     |                |             |            |            |       |        |
| POWER SUPPLY                          |                                   |                     | ø, Hz                                          |                            | 1ø 50Hz             |                                     |                | 3ø 50Hz     |            |            |       |        |
|                                       |                                   |                     | V                                              |                            | 220                 | 230                                 | 240            | 380         | 400        | 415        | Min   | Max    |
| C<br>O<br>O<br>L<br>I<br>N<br>G       | CAPACITY                          |                     | kW                                             |                            | 10.0                | 10.0                                | 10.0           |             |            |            | 3.3   | 12.5   |
|                                       |                                   |                     | BTU/h                                          |                            | 34100               | 34100                               | 34100          |             |            |            | 11300 | 42700  |
|                                       | CURRENT                           |                     | A                                              |                            | 0.77×2              | 0.74×2                              | 0.71×2         | 3.68        | 3.53       | 3.43       | -     | -      |
|                                       | INPUT POWER                       |                     | W                                              |                            | 100×2               | 100×2                               | 100×2          | 2.245k      | 2.245k     | 2.245k     | -     | -      |
|                                       |                                   |                     | TOTAL W                                        |                            |                     |                                     |                | 2.445k      | 2.445k     | 2.445k     | 840   | 3.700k |
|                                       | ANNUAL CONSUMPTION                |                     | TOTAL kWh ※4                                   |                            |                     |                                     |                | -           | 1222.5     | -          | -     | -      |
|                                       | EER/EER CLASS                     |                     | TOTAL(W/W)※5/("A"~"G")                         |                            | -                   | -                                   | -              | 4.09        | 4.09 / A   | 4.09       | 3.93  | 3.38   |
|                                       | Erp<br>※6                         | Pdsign              | kW                                             |                            | -                   | -                                   | -              | -           | 10.0       | -          |       |        |
|                                       |                                   | SEER                | (W/W)                                          |                            | -                   | -                                   | -              | -           | 5.7        | -          |       |        |
|                                       |                                   | Annual consumption  | kWh                                            |                            | -                   | -                                   | -              | -           | 614        | -          |       |        |
|                                       |                                   | Class               |                                                |                            | -                   | -                                   | -              | -           | A+         | -          |       |        |
|                                       | POWER FACTOR                      |                     | %                                              |                            | -                   | -                                   | -              | 93          | 92         | 91         | -     | -      |
| NOISE INDOOR (H/M/L)                  |                                   | dB-A                |                                                | 34/30/26                   |                     |                                     |                |             |            |            |       |        |
|                                       |                                   | Power Level dB      |                                                | 56/52/48                   |                     |                                     |                |             |            |            |       |        |
| NOISE OUTDOOR (H/L)                   |                                   | dB-A                |                                                |                            |                     |                                     | 52/-           |             |            |            |       |        |
|                                       |                                   | Power Level dB      |                                                |                            |                     |                                     | 69/-           |             |            |            |       |        |
| H<br>E<br>A<br>T<br>I<br>N<br>G       | CAPACITY                          |                     | kW                                             |                            | 11.2                | 11.2                                | 11.2           |             |            |            | 4.1   | 14.0   |
|                                       |                                   |                     | BTU/h                                          |                            | 38200               | 38200                               | 38200          |             |            |            | 14000 | 47800  |
|                                       | CURRENT                           |                     | A                                              |                            | 0.77×2              | 0.74×2                              | 0.71×2         | 3.86        | 3.70       | 3.58       | -     | -      |
|                                       | INPUT POWER                       |                     | W                                              |                            | 100×2               | 100×2                               | 100×2          | 2.400k      | 2.400k     | 2.400k     | -     | -      |
|                                       |                                   |                     | TOTAL W                                        |                            |                     |                                     |                | 2.600k      | 2.600k     | 2.600k     | 900   | 4.400k |
|                                       | COP/COP CLASS                     |                     | TOTAL(W/W)※5/("A"~"G")                         |                            | -                   | -                                   | -              | 4.31        | 4.31 / A   | 4.31       | 4.56  | 3.18   |
|                                       | Erp<br>※6                         | Pdsign              | kW                                             |                            | -                   | -                                   | -              | -           | 10.0       | -          |       |        |
|                                       |                                   | Tbivalen            | °C                                             |                            | -                   | -                                   | -              | -           | -10        | -          |       |        |
|                                       |                                   | SCOP                | (W/W)                                          |                            | -                   | -                                   | -              | -           | 3.8        | -          |       |        |
|                                       |                                   | Annual consumption  | kWh                                            |                            | -                   | -                                   | -              | -           | 3684       | -          |       |        |
|                                       |                                   | Class               |                                                |                            | -                   | -                                   | -              | -           | A          | -          |       |        |
|                                       | POWER FACTOR                      |                     | %                                              |                            | -                   | -                                   | -              | 94          | 94         | 93         | -     | -      |
|                                       | NOISE INDOOR (H/M/L)              |                     | dB-A                                           |                            | 34/30/26            |                                     |                |             |            |            | /     | /      |
|                                       |                                   |                     | Power Level dB                                 |                            | 56/52/48            |                                     |                |             |            |            |       |        |
|                                       | NOISE OUTDOOR (H/L)               |                     | dB-A                                           |                            |                     |                                     |                | 52/-        |            |            | /     | /      |
|                                       |                                   |                     | Power Level dB                                 |                            |                     |                                     |                | 69/-        |            |            |       |        |
| EXTRA LOW TEMP                        |                                   |                     | Total CAPACITY(kW)/INPUT POWER(W)/COP          |                            |                     | -                                   |                |             |            |            |       |        |
| MAX CURRENT(A)/MAX INPUT POWER(W)     |                                   |                     | 1.00×2/125×2                                   |                            |                     | 0.96×2/125×2                        | 0.92×2/125×2   | 9.0/5.550k  | 9.0/5.850k | 9.0/6.100k | /     |        |
| STARTING CURRENT(A)/COMP OUTPUT(W)    |                                   |                     | -                                              |                            |                     | -                                   | -              | 3.86/3.0k   | 3.70/3.0k  | 3.58/3.0k  | /     |        |
| NETWORK IMPEDANCE (QMAX.)             |                                   |                     | -                                              |                            |                     |                                     |                |             |            |            |       |        |
| FM OUTPUT (W)                         |                                   |                     | 120                                            |                            |                     |                                     |                |             | 90×2       | /          |       |        |
| MOISTURE REMOVAL VOLUME               |                                   |                     | L/h(Pt/h)                                      |                            | 6.0                 | (3.0×2)                             | (12.6)         |             |            |            |       |        |
| External static pressure              |                                   |                     | Pa                                             |                            | 70 (MIN10 - MAX150) |                                     |                |             |            |            |       |        |
| I/D AIR FLOW                          | COOL                              | m³/min (ft³/min)    |                                                | [16/15/12 (565/530/424)]×2 |                     |                                     |                |             |            |            |       |        |
|                                       | HEAT                              | m³/min (ft³/min)    |                                                | [16/15/12 (565/530/424)]×2 |                     |                                     |                |             |            |            |       |        |
| O/D AIR FLOW                          | COOL                              | m³/min (ft³/min)    |                                                |                            |                     |                                     | 110            | (3885)      |            |            |       |        |
|                                       | HEAT                              | m³/min (ft³/min)    |                                                |                            |                     |                                     | 95             | (3355)      |            |            |       |        |
| REFRIGERANT TYPE, AMOUNT g(oz)        |                                   |                     |                                                |                            |                     |                                     | R410A          | 3.40k       | (119.9)    | /          |       |        |
| P<br>R<br>O<br>M                      | D                                 | HEIGHT : H mm(inch) |                                                | 290 (11-13/32)             |                     |                                     | 1416 (55-3/4)  |             |            | /          |       |        |
|                                       | I                                 | WIDTH : W mm(inch)  |                                                | 800 (31-1/2)               |                     |                                     | 940 (37-1/32)  |             |            | /          |       |        |
|                                       | M                                 | DEPTH : D mm(inch)  |                                                | 700 (27-9/16)              |                     |                                     | 340 (13-13/32) |             |            | /          |       |        |
| P<br>A<br>C<br>M                      | D                                 | HEIGHT : H mm       |                                                | 355                        |                     |                                     | 1556           |             |            | /          |       |        |
|                                       | I                                 | WIDTH : W mm        |                                                | 1014                       |                     |                                     | 1055           |             |            | /          |       |        |
|                                       | M                                 | DEPTH : D mm        |                                                | 850                        |                     |                                     | 485            |             |            | /          |       |        |
| MASS                                  | (NET) kg(lb)                      |                     | 28 (62)                                        |                            |                     | 98 (216)                            |                |             | /          |            |       |        |
|                                       | (GROSS) kg(lb)                    |                     | 35 (78)                                        |                            |                     | 108 (238)                           |                |             | /          |            |       |        |
| LAYERS LIMIT (actually)               |                                   |                     | 9 (10)                                         |                            |                     | 1 (2)                               |                |             |            |            |       |        |
| Operation Condition                   |                                   | Cool O.D(DBT)       |                                                | 18°C ~ 32°C                |                     |                                     | -15°C ~ 46°C   |             |            |            |       |        |
|                                       |                                   | Heat O.D(DBT)       |                                                | 16°C ~ 30°C                |                     |                                     | -20°C ~ 24°C   |             |            |            |       |        |
| P<br>I<br>P<br>I<br>N<br>G            | PIPE DIAMETER mm (inch)           |                     | (Liquid)ø6.35(1/4) (Gas)ø12.7(1/2)             |                            |                     | (Liquid)ø9.52(3/8) (Gas)ø15.88(5/8) |                |             |            |            |       |        |
|                                       | CONNECT METHOD, STD LENGTH m (ft) |                     | flared type, 5.0(16.4)                         |                            |                     | flared type, 5.0(16.4)              |                |             |            |            |       |        |
|                                       | PIPE LENGTH RANGE m (ft)          |                     | 5 ~ 75 (16.4 ~ 246.1)                          |                            |                     |                                     |                |             | ~          | ~          |       |        |
|                                       | I/D&O/D HEIGHT DIFFERENCE m (ft)  |                     | 15 (OD located lower) / 30 (OD located higher) |                            |                     | (49.2/98.4)                         |                |             |            |            |       |        |
|                                       | ADD GAS AMOUNT g/m (oz/ft)        |                     | 50 (0.538)                                     |                            |                     |                                     |                |             |            |            |       |        |
| PIPE LENGTH FOR ADDITIONAL GAS m (ft) |                                   | 30 (98.4)           |                                                |                            |                     |                                     |                |             |            |            |       |        |

\*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m³/min.) shall be multiplied by 16.7 and rounded down the decimal point.

\*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.

\*3: Network Impedance shall be applicable for EUROPE and CHINA models.

\*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.

\*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.

\*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

# Simultaneous (Triple) -Type

## 1-1. Unit Specifications

### PE1

#### 4. Low Silhouette Ducted Type S-50PF1E5A×3 / U-140PE1E8A

| INDOOR                                |                                   |                     | MODEL                                 |                            | S-50PF1E5A×3                                   |              |                |                                     |             |             |          |        |      |
|---------------------------------------|-----------------------------------|---------------------|---------------------------------------|----------------------------|------------------------------------------------|--------------|----------------|-------------------------------------|-------------|-------------|----------|--------|------|
| OUTDOOR                               |                                   |                     | MODEL                                 |                            |                                                |              |                | U-140PE1E8A                         |             |             |          |        |      |
| Branch pipe                           |                                   |                     | MODEL                                 |                            |                                                |              |                | CZ-P3HPC2                           |             |             |          |        |      |
| PERFORMANCE TEST CONDITION            |                                   |                     |                                       |                            | ISO13253 / EN14511 / EN12102                   |              |                |                                     |             |             |          |        |      |
| POWER SUPPLY                          |                                   |                     | ø, Hz                                 |                            | 1ø 50Hz                                        |              |                | 3ø 50Hz                             |             |             |          |        |      |
|                                       |                                   |                     | V                                     |                            | 220                                            | 230          | 240            | 380                                 | 400         | 415         | Min      | Max    |      |
| C<br>O<br>O<br>L<br>I<br>N<br>G       | CAPACITY                          |                     | kW                                    |                            | 14.0                                           | 14.0         | 14.0           |                                     |             |             | 3.3      | 15.5   |      |
|                                       |                                   |                     | BTU/h                                 |                            | 47800                                          | 47800        | 47800          |                                     |             |             | 11300    | 52900  |      |
|                                       | CURRENT                           |                     | A                                     |                            | 0.77×3                                         | 0.74×3       | 0.71×3         | 6.69                                | 6.42        | 6.18        | -        | -      |      |
|                                       |                                   |                     | W                                     |                            | 100×3                                          | 100×3        | 100×3          | 4.085k                              | 4.085k      | 4.085k      | -        | -      |      |
|                                       | INPUT POWER                       |                     | TOTAL W                               |                            | -                                              |              |                | 4.385k                              | 4.385k      | 4.385k      | 840      | 6.000k |      |
|                                       |                                   |                     | ANNUAL CONSUMPTION                    |                            | TOTAL kWh ※4                                   |              | -              |                                     |             | -           | 2192.5   | -      | -    |
|                                       | EER/EER CLASS                     |                     | TOTAL(W/W)※5/("A"~"G")                |                            | -                                              | -            | -              | 3.19                                | 3.19 / B    | 3.19        | 3.93     | 2.58   |      |
|                                       |                                   |                     | Pdsign                                |                            | kW                                             |              | -              | -                                   | -           | -           | -        | -      |      |
|                                       | Erp<br>※6                         | SEER                |                                       | (W/W)                      |                                                | -            | -              | -                                   | -           | -           | -        | -      |      |
|                                       |                                   | Annual consumption  |                                       | kWh                        |                                                | -            | -              | -                                   | -           | -           | -        | -      |      |
|                                       |                                   | Class               |                                       |                            |                                                | -            | -              | -                                   | -           | -           | -        | -      |      |
| POWER FACTOR                          |                                   |                     | %                                     |                            | -                                              | -            | -              | 93                                  | 92          | 92          | -        | -      |      |
| NOISE INDOOR<br>(H/M/L)               |                                   |                     | dB-A                                  |                            | 34/30/26                                       |              |                |                                     |             |             |          |        |      |
|                                       |                                   |                     | Power Level dB                        |                            | 56/52/48                                       |              |                |                                     |             |             |          |        |      |
| NOISE OUTDOOR<br>(H/L)                |                                   |                     | dB-A                                  |                            |                                                |              |                | 54/-                                |             |             |          |        |      |
|                                       |                                   |                     | Power Level dB                        |                            |                                                |              |                | 71/-                                |             |             |          |        |      |
| H<br>E<br>A<br>T<br>I<br>N<br>G       | CAPACITY                          |                     | kW                                    |                            | 16.0                                           | 16.0         | 16.0           |                                     |             |             | 4.1      | 18.0   |      |
|                                       |                                   |                     | BTU/h                                 |                            | 54600                                          | 54600        | 54600          |                                     |             |             | 14000    | 61400  |      |
|                                       | CURRENT                           |                     | A                                     |                            | 0.77×3                                         | 0.74×3       | 0.71×3         | 6.64                                | 6.35        | 6.15        | -        | -      |      |
|                                       |                                   |                     | W                                     |                            | 100×3                                          | 100×3        | 100×3          | 4.215k                              | 4.215k      | 4.215k      | -        | -      |      |
|                                       | INPUT POWER                       |                     | TOTAL W                               |                            | -                                              |              |                | 4.515k                              | 4.515k      | 4.515k      | 900      | 5.900k |      |
|                                       |                                   |                     | COP/COP CLASS                         |                            | TOTAL(W/W)※5/("A"~"G")                         |              | -              | -                                   | -           | 3.54        | 3.54 / B | 3.54   | 4.56 |
|                                       | Erp<br>※6                         | Pdsign              |                                       | kW                         |                                                | -            | -              | -                                   | -           | -           | -        | -      | -    |
|                                       |                                   | Tbivalen            |                                       | °C                         |                                                | -            | -              | -                                   | -           | -           | -        | -      | -    |
|                                       |                                   | SCOP                |                                       | (W/W)                      |                                                | -            | -              | -                                   | -           | -           | -        | -      | -    |
|                                       |                                   | Annual consumption  |                                       | kWh                        |                                                | -            | -              | -                                   | -           | -           | -        | -      | -    |
|                                       |                                   | Class               |                                       |                            |                                                | -            | -              | -                                   | -           | -           | -        | -      | -    |
| POWER FACTOR                          |                                   |                     | %                                     |                            | -                                              | -            | -              | 96                                  | 96          | 95          | -        | -      |      |
| NOISE INDOOR<br>(H/M/L)               |                                   |                     | dB-A                                  |                            | 34/30/26                                       |              |                | -                                   |             |             | /        | /      |      |
|                                       |                                   |                     | Power Level dB                        |                            | 56/52/48                                       |              |                | -                                   |             |             |          |        |      |
| NOISE OUTDOOR<br>(H/L)                |                                   |                     | dB-A                                  |                            | -                                              |              |                | 55/-                                |             |             | /        | /      |      |
|                                       |                                   |                     | Power Level dB                        |                            | -                                              |              |                | 71/-                                |             |             |          |        |      |
| EXTRA LOW TEMP                        |                                   |                     | Total CAPACITY(kW)/INPUT POWER(W)/COP |                            | -                                              |              |                |                                     |             |             |          |        |      |
| MAX CURRENT(A)/MAX INPUT POWER(W)     |                                   |                     |                                       |                            | 1.00×3/125×3                                   | 0.96×3/125×3 | 0.92×3/125×3   | 11.0/6.800k                         | 11.0/7.150k | 11.0/7.450k | /        |        |      |
| STARTING CURRENT(A)/COMP OUTPUT(W)    |                                   |                     |                                       |                            | -                                              | -            | -              | 6.69/3.0k                           | 6.42/3.0k   | 6.18/3.0k   | /        |        |      |
| NETWORK IMPEDANCE (ΩMAX.)             |                                   |                     |                                       |                            | -                                              |              |                | -                                   |             |             |          |        |      |
| FM OUTPUT (W)                         |                                   |                     |                                       |                            | 120                                            |              |                | 90x2                                |             |             | /        |        |      |
| MOISTURE REMOVAL VOLUME               |                                   |                     | L/h(Pt/h)                             |                            | 9.0                                            | (3.0×3)      | (18.9)         | -                                   |             |             |          |        |      |
| External static pressure              |                                   |                     | Pa                                    |                            | 70 (MIN10 - MAX150)                            |              |                |                                     |             |             |          |        |      |
| I/D AIR FLOW                          | COOL                              | m³/min (ft³/min)    |                                       | [16/15/12 (565/530/424)]×3 |                                                |              |                |                                     |             |             |          |        |      |
|                                       | HEAT                              | m³/min (ft³/min)    |                                       | [16/15/12 (565/530/424)]×3 |                                                |              |                |                                     |             |             |          |        |      |
| O/D AIR FLOW                          | COOL                              | m³/min (ft³/min)    |                                       |                            |                                                |              | 135            | (4767)                              |             |             |          |        |      |
|                                       | HEAT                              | m³/min (ft³/min)    |                                       |                            |                                                |              | 120            | (4238)                              |             |             |          |        |      |
| REFRIGERANT TYPE, AMOUNT g(oz)        |                                   |                     |                                       |                            |                                                |              |                | R410A                               | 3.40k       | (119.9)     | /        |        |      |
| P<br>R<br>O<br>M                      | D<br>I<br>M                       | HEIGHT : H mm(inch) |                                       | 290 (11-13/32)             |                                                |              | 1416 (55-3/4)  |                                     |             | /           |          |        |      |
|                                       |                                   | WIDTH : W mm(inch)  |                                       | 800 (31-1/2)               |                                                |              | 940 (37-1/32)  |                                     |             | /           |          |        |      |
|                                       |                                   | DEPTH : D mm(inch)  |                                       | 700 (27-9/16)              |                                                |              | 340 (13-13/32) |                                     |             | /           |          |        |      |
| P<br>A<br>C<br>M                      | D<br>I<br>M                       | HEIGHT : H mm       |                                       | 355                        |                                                |              | 1556           |                                     |             | /           |          |        |      |
|                                       |                                   | WIDTH : W mm        |                                       | 1014                       |                                                |              | 1055           |                                     |             | /           |          |        |      |
|                                       |                                   | DEPTH : D mm        |                                       | 850                        |                                                |              | 485            |                                     |             | /           |          |        |      |
| MASS                                  |                                   | (NET) kg(lb)        |                                       | 28 (62)                    |                                                |              | 98 (216)       |                                     |             | /           |          |        |      |
|                                       |                                   | (GROSS) kg(lb)      |                                       | 35 (78)                    |                                                |              | 108 (238)      |                                     |             | /           |          |        |      |
| LAYERS LIMIT (actually)               |                                   |                     |                                       |                            | 9 (10)                                         |              |                | 1 (2)                               |             |             |          |        |      |
| Operation Condition                   |                                   |                     | Cool O.D(DBT)                         |                            | 18°C ~ 32°C                                    |              |                | -15°C ~ 46°C                        |             |             |          |        |      |
|                                       |                                   |                     | Heat O.D(DBT)                         |                            | 16°C ~ 30°C                                    |              |                | -20°C ~ 24°C                        |             |             |          |        |      |
| P<br>I<br>P<br>I<br>N<br>G            | PIPE DIAMETER mm (inch)           |                     |                                       |                            | (Liquid)ø6.35(1/4) (Gas)ø12.7(1/2)             |              |                | (Liquid)ø9.52(3/8) (Gas)ø15.88(5/8) |             |             |          |        |      |
|                                       | CONNECT METHOD, STD LENGTH m (ft) |                     |                                       |                            | flared type, 5.0(16.4)                         |              |                | flared type, 5.0(16.4)              |             |             |          |        |      |
|                                       | PIPE LENGTH RANGE m (ft)          |                     |                                       |                            | 5 ~ 75 (16.4 ~ 246.1)                          |              |                |                                     |             |             | ~        | ~      |      |
|                                       | I/D&O/D HEIGHT DIFFERENCE m (ft)  |                     |                                       |                            | 15 (OD located lower) / 30 (OD located higher) |              |                | (49.2/98.4)                         |             |             |          |        |      |
|                                       | ADD GAS AMOUNT g/m (oz/ft)        |                     |                                       |                            | 50 (0.538)                                     |              |                |                                     |             |             |          |        |      |
| PIPE LENGTH FOR ADDITIONAL GAS m (ft) |                                   |                     |                                       |                            | 20 (65.6)                                      |              |                |                                     |             |             |          |        |      |

\*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m³/min.) shall be multiplied by 16.7 and rounded down the decimal point.

\*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.

\*3: Network Impedance shall be applicable for EUROPE and CHINA models.

\*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.

\*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.

\*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

# Simultaneous (Twin) -Type

## 1-1. Unit Specifications

### PE1

#### 4. Low Silhouette Ducted Type S-60PF1E5A×2 / U-125PE1E8A

| INDOOR                                               |                                   |                    | MODEL                                          |              | S-60PF1E5A×2 |                                     |             |             |          |        |       |        |
|------------------------------------------------------|-----------------------------------|--------------------|------------------------------------------------|--------------|--------------|-------------------------------------|-------------|-------------|----------|--------|-------|--------|
| OUTDOOR                                              |                                   |                    | MODEL                                          |              |              |                                     |             | U-125PE1E8A |          |        |       |        |
| Branch pipe                                          |                                   |                    | MODEL                                          |              |              |                                     |             | CZ-P155BK1  |          |        |       |        |
| PERFORMANCE TEST CONDITION                           |                                   |                    | ISO13253 / EN14511 / EN12102                   |              |              |                                     |             |             |          |        |       |        |
| POWER SUPPLY                                         |                                   |                    | ø, Hz                                          |              | 1ø 50Hz      |                                     |             | 3ø 50Hz     |          |        |       |        |
|                                                      |                                   |                    | V                                              |              | 220          | 230                                 | 240         | 380         | 400      | 415    | Min   | Max    |
| C<br>O<br>O<br>L<br>I<br>N<br>G                      | CAPACITY                          |                    | kW                                             |              | 12.5         | 12.5                                | 12.5        |             |          |        | 3.3   | 14.0   |
|                                                      |                                   |                    | BTU/h                                          |              | 42700        | 42700                               | 42700       |             |          |        | 11300 | 47800  |
|                                                      | CURRENT                           |                    | A                                              |              | 0.91×2       | 0.89×2                              | 0.87×2      | 5.52        | 5.29     | 5.12   | -     | -      |
|                                                      | INPUT POWER                       |                    | W                                              |              | 120×2        | 120×2                               | 120×2       | 3.355k      | 3.355k   | 3.355k | -     | -      |
|                                                      |                                   |                    | TOTAL W                                        |              |              |                                     |             | 3.595k      | 3.595k   | 3.595k | 840   | 4.600k |
|                                                      | ANNUAL CONSUMPTION                |                    | TOTAL kWh ※4                                   |              |              |                                     |             | -           | 1797.5   | -      | -     | -      |
|                                                      | EER/EER CLASS                     |                    | TOTAL(W/W)※5/("A"~"G")                         |              | -            | -                                   | -           | 3.48        | 3.48 / A | 3.48   | 3.93  | 3.04   |
|                                                      | Erp<br>※6                         | Pdsign             | kW                                             |              | -            | -                                   | -           | -           | -        | -      |       |        |
|                                                      |                                   | SEER               | (W/W)                                          |              | -            | -                                   | -           | -           | -        | -      |       |        |
|                                                      |                                   | Annual consumption | kWh                                            |              | -            | -                                   | -           | -           | -        | -      |       |        |
|                                                      |                                   | Class              |                                                |              | -            | -                                   | -           | -           | -        | -      |       |        |
| POWER FACTOR                                         |                                   | %                  |                                                | -            | -            | -                                   | 92          | 92          | 91       | -      | -     |        |
| NOISE INDOOR (H/M/L)                                 |                                   | dB-A               |                                                | 35/32/26     |              |                                     |             |             |          |        |       |        |
|                                                      |                                   | Power Level dB     |                                                | 57/54/48     |              |                                     |             |             |          |        |       |        |
| NOISE OUTDOOR (H/L)                                  |                                   | dB-A               |                                                |              |              |                                     | 53/-        |             |          |        |       |        |
|                                                      |                                   | Power Level dB     |                                                |              |              |                                     | 70/-        |             |          |        |       |        |
| H<br>E<br>A<br>T<br>I<br>N<br>G                      | CAPACITY                          |                    | kW                                             |              | 14.0         | 14.0                                | 14.0        |             |          |        | 4.1   | 16.0   |
|                                                      |                                   |                    | BTU/h                                          |              | 47800        | 47800                               | 47800       |             |          |        | 14000 | 54600  |
|                                                      | CURRENT                           |                    | A                                              |              | 0.91×2       | 0.89×2                              | 0.87×2      | 5.44        | 5.26     | 5.05   | -     | -      |
|                                                      | INPUT POWER                       |                    | W                                              |              | 120×2        | 120×2                               | 120×2       | 3.270k      | 3.270k   | 3.270k | -     | -      |
|                                                      |                                   |                    | TOTAL W                                        |              |              |                                     |             | 3.510k      | 3.510k   | 3.510k | 900   | 5.200k |
|                                                      | COP/COP CLASS                     |                    | TOTAL(W/W)※5/("A"~"G")                         |              | -            | -                                   | -           | 3.99        | 3.99 / A | 3.99   | 4.56  | 3.08   |
|                                                      | Erp<br>※6                         | Pdsign             | kW                                             |              | -            | -                                   | -           | -           | -        | -      |       |        |
|                                                      |                                   | Tbivalen           | °C                                             |              | -            | -                                   | -           | -           | -        | -      |       |        |
|                                                      |                                   | SCOP               | (W/W)                                          |              | -            | -                                   | -           | -           | -        | -      |       |        |
|                                                      |                                   | Annual consumption | kWh                                            |              | -            | -                                   | -           | -           | -        | -      |       |        |
|                                                      |                                   | Class              |                                                |              | -            | -                                   | -           | -           | -        | -      |       |        |
|                                                      | POWER FACTOR                      |                    | %                                              |              | -            | -                                   | -           | 91          | 90       | 90     | -     | -      |
|                                                      | NOISE INDOOR (H/M/L)              |                    | dB-A                                           |              | 35/32/26     |                                     |             |             |          |        | /     | /      |
|                                                      |                                   |                    | Power Level dB                                 |              | 57/54/48     |                                     |             |             |          |        |       |        |
|                                                      | NOISE OUTDOOR (H/L)               |                    | dB-A                                           |              |              |                                     |             | 53/-        |          |        | /     | /      |
|                                                      |                                   | Power Level dB     |                                                |              |              |                                     | 70/-        |             |          |        |       |        |
| EXTRA LOW TEMP Total CAPACITY(kW)/INPUT POWER(W)/COP |                                   |                    | -                                              |              |              |                                     |             |             |          |        |       |        |
| MAX CURRENT(A)/MAX INPUT POWER(W)                    |                                   |                    | 1.26×2/160×2                                   | 1.20×2/160×2 | 1.15×2/160×2 | 10.0/6.200k                         | 10.0/6.500k | 10.0/6.750k | /        |        |       |        |
| STARTING CURRENT(A)/COMP OUTPUT(W)                   |                                   |                    | -                                              | -            | -            | 5.52/3.0k                           | 5.29/3.0k   | 5.12/3.0k   | /        |        |       |        |
| NETWORK IMPEDANCE (QMAX.)                            |                                   |                    | -                                              |              |              | -                                   |             |             |          |        |       |        |
| FM OUTPUT (W)                                        |                                   |                    | 120                                            |              |              | 90x2                                |             |             | /        |        |       |        |
| MOISTURE REMOVAL VOLUME L/h(Pt/h)                    |                                   |                    | 7.9                                            | (3.95×2)     | (16.6)       | -                                   |             |             |          |        |       |        |
| External static pressure Pa                          |                                   |                    | 70 (MIN10 - MAX150)                            |              |              |                                     |             |             |          |        |       |        |
| I/D AIR FLOW                                         | COOL                              | m³/min (ft³/min)   | [21/19/15 (742/671/530)]×2                     |              |              |                                     |             |             |          |        |       |        |
|                                                      | HEAT                              | m³/min (ft³/min)   | [21/19/15 (742/671/530)]×2                     |              |              |                                     |             |             |          |        |       |        |
| O/D AIR FLOW                                         | COOL                              | m³/min (ft³/min)   |                                                |              |              | 130                                 | (4591)      |             |          |        |       |        |
|                                                      | HEAT                              | m³/min (ft³/min)   |                                                |              |              | 110                                 | (3885)      |             |          |        |       |        |
| REFRIGERANT TYPE, AMOUNT g(oz)                       |                                   |                    |                                                |              |              | R410A                               | 3.40k       | (119.9)     | /        |        |       |        |
| P<br>D<br>I<br>O<br>M                                | HEIGHT : H mm(inch)               |                    | 290 (11-13/32)                                 |              |              | 1416 (55-3/4)                       |             |             | /        |        |       |        |
|                                                      | WIDTH : W mm(inch)                |                    | 1000 (39-3/8)                                  |              |              | 940 (37-1/32)                       |             |             | /        |        |       |        |
|                                                      | DEPTH : D mm(inch)                |                    | 700 (27-9/16)                                  |              |              | 340 (13-13/32)                      |             |             | /        |        |       |        |
| P<br>A<br>C<br>I<br>M                                | HEIGHT : H mm                     |                    | 355                                            |              |              | 1556                                |             |             | /        |        |       |        |
|                                                      | WIDTH : W mm                      |                    | 1214                                           |              |              | 1055                                |             |             | /        |        |       |        |
|                                                      | DEPTH : D mm                      |                    | 850                                            |              |              | 485                                 |             |             | /        |        |       |        |
| MASS                                                 | (NET) kg(lb)                      |                    | 33 (73)                                        |              |              | 98 (216)                            |             |             | /        |        |       |        |
|                                                      | (GROSS) kg(lb)                    |                    | 41 (91)                                        |              |              | 108 (238)                           |             |             | /        |        |       |        |
| LAYERS LIMIT (actually)                              |                                   |                    | 9 (10)                                         |              |              | 1 (2)                               |             |             |          |        |       |        |
| Operation Condition                                  |                                   | Cool O.D(DBT)      | 18°C ~ 32°C                                    |              |              | -15°C ~ 46°C                        |             |             |          |        |       |        |
|                                                      |                                   | Heat O.D(DBT)      | 16°C ~ 30°C                                    |              |              | -20°C ~ 24°C                        |             |             |          |        |       |        |
| P<br>I<br>P<br>I<br>N<br>G                           | PIPE DIAMETER mm (inch)           |                    | (Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)            |              |              | (Liquid)ø9.52(3/8) (Gas)ø15.88(5/8) |             |             |          |        |       |        |
|                                                      | CONNECT METHOD, STD LENGTH m (ft) |                    | flared type, 5.0(16.4)                         |              |              | flared type, 5.0(16.4)              |             |             |          |        |       |        |
|                                                      | PIPE LENGTH RANGE m (ft)          |                    | 5 ~ 75 (16.4 ~ 246.1)                          |              |              |                                     |             |             | ~        | ~      |       |        |
|                                                      | I/D&O/D HEIGHT DIFFERENCE m (ft)  |                    | 15 (OD located lower) / 30 (OD located higher) |              |              | (49.2/98.4)                         |             |             |          |        |       |        |
|                                                      | ADD GAS AMOUNT g/m (oz/ft)        |                    | 50 (0.538)                                     |              |              |                                     |             |             |          |        |       |        |
| PIPE LENGTH FOR ADDITIONAL GAS m (ft)                |                                   |                    | 30 (98.4)                                      |              |              |                                     |             |             |          |        |       |        |

\*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m³/min.) shall be multiplied by 16.7 and rounded down the decimal point.

\*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.

\*3: Network Impedance shall be applicable for EUROPE and CHINA models.

\*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.

\*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.

\*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

# Single -Type

## 1-1. Unit Specifications

### PE1

#### 4. Low Silhouette Ducted Type S-71PF1E5A / U-71PE1E8A

| INDOOR                                                                            |                                                |                     | MODEL                                          |       | S-71PF1E5A                |                                     |          |              |            |            |          |          |      |
|-----------------------------------------------------------------------------------|------------------------------------------------|---------------------|------------------------------------------------|-------|---------------------------|-------------------------------------|----------|--------------|------------|------------|----------|----------|------|
| OUTDOOR                                                                           |                                                |                     | MODEL                                          |       |                           |                                     |          | U-71PE1E8A   |            |            |          |          |      |
| Branch pipe                                                                       |                                                |                     | MODEL                                          |       |                           |                                     |          | -            |            |            |          |          |      |
| PERFORMANCE TEST CONDITION                                                        |                                                |                     | ISO13253 / EN14511 / EN14825 / EN12102         |       |                           |                                     |          |              |            |            |          |          |      |
| POWER SUPPLY                                                                      |                                                |                     | ø, Hz                                          |       | 1ø 50Hz                   |                                     |          | 3ø 50Hz      |            |            |          |          |      |
|                                                                                   |                                                |                     | V                                              |       | 220                       | 230                                 | 240      | 380          | 400        | 415        | Min      | Max      |      |
| C<br>O<br>O<br>L<br>I<br>N<br>G                                                   | CAPACITY                                       |                     | kW                                             |       | 7.10                      | 7.10                                | 7.10     |              |            |            | 3.2      | 8.0      |      |
|                                                                                   |                                                |                     | BTU/h                                          |       | 24200                     | 24200                               | 24200    |              |            |            | 10900    | 27300    |      |
|                                                                                   | CURRENT                                        |                     | A                                              |       | 0.91                      | 0.89                                | 0.87     | 2.75         | 2.65       | 2.60       | -        | -        |      |
|                                                                                   |                                                |                     | W                                              |       | 120                       | 120                                 | 120      | 1.730k       | 1.730k     | 1.730k     | -        | -        |      |
|                                                                                   | INPUT POWER                                    |                     | TOTAL W                                        |       |                           |                                     |          | 1.850k       | 1.850k     | 1.850k     | 640      | 2.650k   |      |
|                                                                                   |                                                |                     | ANNUAL CONSUMPTION                             |       | TOTAL kWh ※ 4             |                                     |          |              |            | -          | 925      | -        | -    |
|                                                                                   | EER/EER CLASS                                  |                     | TOTAL (W/W) ※ 5/("A"~"G")                      |       | -                         | -                                   | -        | 3.84 / A     | 3.84 / A   | 3.84 / A   | 5.00     | 3.02     |      |
|                                                                                   |                                                |                     | Pdsign                                         |       | kW                        |                                     | -        | -            | -          | -          | 7.1      | -        |      |
|                                                                                   | Erp<br>※ 6                                     | SEER                |                                                | (W/W) |                           | -                                   | -        | -            | -          | 6.0        | -        |          |      |
|                                                                                   |                                                | Annual consumption  |                                                | kWh   |                           | -                                   | -        | -            | -          | 414        | -        |          |      |
|                                                                                   |                                                | Class               |                                                |       |                           | -                                   | -        | -            | -          | A+         | -        |          |      |
| POWER FACTOR                                                                      |                                                |                     | %                                              |       | -                         | -                                   | -        | 96           | 94         | 93         | -        | -        |      |
| NOISE INDOOR<br>(H/M/L)                                                           |                                                |                     | dB-A                                           |       | 35/32/26                  |                                     |          |              |            |            |          |          |      |
|                                                                                   |                                                |                     | Power Level dB                                 |       | 57/54/48                  |                                     |          |              |            |            |          |          |      |
| NOISE OUTDOOR<br>(H/L)                                                            |                                                |                     | dB-A                                           |       |                           |                                     |          | 48/-         |            |            |          |          |      |
|                                                                                   |                                                |                     | Power Level dB                                 |       |                           |                                     |          | 65/-         |            |            |          |          |      |
| H<br>E<br>A<br>T<br>I<br>N<br>G                                                   | CAPACITY                                       |                     | kW                                             |       | 8.00                      | 8.00                                | 8.00     |              |            |            | 2.8      | 9.0      |      |
|                                                                                   |                                                |                     | BTU/h                                          |       | 27300                     | 27300                               | 27300    |              |            |            | 9600     | 30700    |      |
|                                                                                   | CURRENT                                        |                     | A                                              |       | 0.91                      | 0.89                                | 0.87     | 3.10         | 3.00       | 2.90       | -        | -        |      |
|                                                                                   |                                                |                     | W                                              |       | 120                       | 120                                 | 120      | 1.960k       | 1.960k     | 1.960k     | -        | -        |      |
|                                                                                   | INPUT POWER                                    |                     | TOTAL W                                        |       |                           |                                     |          | 2.080k       | 2.080k     | 2.080k     | 580      | 2.900k   |      |
|                                                                                   |                                                |                     | COP/COP CLASS                                  |       | TOTAL (W/W) ※ 5/("A"~"G") |                                     | -        | -            | -          | 3.85 / A   | 3.85 / A | 3.85 / A | 4.83 |
|                                                                                   | Erp<br>※ 6                                     | Pdsign              |                                                | kW    |                           | -                                   | -        | -            | -          | 7.1        | -        |          |      |
|                                                                                   |                                                | Tbivalen            |                                                | °C    |                           | -                                   | -        | -            | -          | -9         | -        |          |      |
|                                                                                   |                                                | SCOP                |                                                | (W/W) |                           | -                                   | -        | -            | -          | 3.9        | -        |          |      |
|                                                                                   |                                                | Annual consumption  |                                                | kWh   |                           | -                                   | -        | -            | -          | 2548       | -        |          |      |
|                                                                                   |                                                | Class               |                                                |       |                           | -                                   | -        | -            | -          | A          | -        |          |      |
| POWER FACTOR                                                                      |                                                |                     | %                                              |       | -                         | -                                   | -        | 96           | 94         | 94         | -        | -        |      |
| NOISE INDOOR<br>(H/M/L)                                                           |                                                |                     | dB-A                                           |       | 35/32/26                  |                                     |          |              |            |            | /        | /        |      |
|                                                                                   |                                                |                     | Power Level dB                                 |       | 57/54/48                  |                                     |          |              |            |            |          |          |      |
| NOISE OUTDOOR<br>(H/L)                                                            |                                                |                     | dB-A                                           |       |                           |                                     |          | 50/-         |            |            | /        | /        |      |
|                                                                                   |                                                |                     | Power Level dB                                 |       |                           |                                     |          | 67/-         |            |            |          |          |      |
| EXTRA LOW TEMP                                                                    |                                                |                     | Total CAPACITY(kW)/INPUT POWER(W)/COP          |       |                           |                                     |          |              |            |            |          |          |      |
| MAX CURRENT(A)/MAX INPUT POWER(W)                                                 |                                                |                     |                                                |       | 1.26/160                  | 1.20/160                            | 1.15/160 | 7.0/4.150k   | 7.0/4.360k | 7.0/4.530k |          |          |      |
| STARTING CURRENT(A)/COMP OUTPUT(W)                                                |                                                |                     |                                                |       | -                         | -                                   | -        | 3.10/2.0k    | 3.00/2.0k  | 2.90/2.0k  |          |          |      |
| NETWORK IMPEDANCE (ΩMAX.)                                                         |                                                |                     |                                                |       |                           |                                     |          |              |            |            |          |          |      |
| FM OUTPUT (W)                                                                     |                                                |                     |                                                |       | 120                       |                                     |          | 90           |            |            |          |          |      |
| MOISTURE REMOVAL VOLUME                                                           |                                                |                     | L/h(Pt/h)                                      |       | 4.2                       | (8.8)                               |          |              |            |            |          |          |      |
| External static pressure                                                          |                                                |                     | Pa                                             |       | 70 (MIN10 - MAX150)       |                                     |          |              |            |            |          |          |      |
| I/D AIR FLOW                                                                      | COOL                                           |                     | m³/min (ft³/min)                               |       | 21/19/15 (742/671/530)    |                                     |          |              |            |            |          |          |      |
|                                                                                   | HEAT                                           |                     | m³/min (ft³/min)                               |       | 21/19/15 (742/671/530)    |                                     |          |              |            |            |          |          |      |
| O/D AIR FLOW                                                                      | COOL                                           |                     | m³/min (ft³/min)                               |       |                           |                                     |          | 60           | (2119)     |            |          |          |      |
|                                                                                   | HEAT                                           |                     | m³/min (ft³/min)                               |       |                           |                                     |          | 60           | (2119)     |            |          |          |      |
| REFRIGERANT TYPE, AMOUNT g(oz)                                                    |                                                |                     |                                                |       |                           |                                     |          | R410A        | 2.35k      | (82.9)     |          |          |      |
| P<br>R<br>O<br>D<br>U<br>C<br>T<br>D<br>I<br>M<br>E<br>N<br>S<br>I<br>O<br>N<br>S | D<br>I<br>M<br>E<br>N<br>S<br>I<br>O<br>N<br>S | HEIGHT : H mm(inch) | 290 (11-13/32)                                 |       |                           | 996 (39-7/32)                       |          |              |            |            |          |          |      |
|                                                                                   |                                                | WIDTH : W mm(inch)  | 1000 (39-3/8)                                  |       |                           | 940 (37-1/32)                       |          |              |            |            |          |          |      |
|                                                                                   |                                                | DEPTH : D mm(inch)  | 700 (27-9/16)                                  |       |                           | 340 (13-13/32)                      |          |              |            |            |          |          |      |
| P<br>A<br>C<br>E                                                                  | D<br>I<br>M<br>E<br>N<br>S<br>I<br>O<br>N<br>S | HEIGHT : H mm       | 355                                            |       |                           | 1136                                |          |              |            |            |          |          |      |
|                                                                                   |                                                | WIDTH : W mm        | 1214                                           |       |                           | 1055                                |          |              |            |            |          |          |      |
|                                                                                   |                                                | DEPTH : D mm        | 850                                            |       |                           | 485                                 |          |              |            |            |          |          |      |
| M<br>A<br>S<br>S                                                                  | D<br>I<br>M<br>E<br>N<br>S<br>I<br>O<br>N<br>S | (NET) kg(lb)        | 33 (73)                                        |       |                           | 71 (157)                            |          |              |            |            |          |          |      |
|                                                                                   |                                                | (GROSS) kg(lb)      | 41 (91)                                        |       |                           | 79 (174)                            |          |              |            |            |          |          |      |
| LAYERS LIMIT (actually)                                                           |                                                |                     |                                                |       | 9 (10)                    |                                     |          | 2 (3)        |            |            |          |          |      |
| Operation Condition                                                               |                                                |                     | Cool O.D(DBT)                                  |       | 18°C ~ 32°C               |                                     |          | -15°C ~ 46°C |            |            |          |          |      |
|                                                                                   |                                                |                     | Heat O.D(DBT)                                  |       | 16°C ~ 30°C               |                                     |          | -20°C ~ 24°C |            |            |          |          |      |
| P<br>I<br>P<br>E<br>I<br>N<br>F<br>O<br>R<br>M<br>A<br>T<br>I<br>O<br>N           | PIPE DIAMETER mm (inch)                        |                     | (Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)            |       |                           | (Liquid)ø9.52(3/8) (Gas)ø15.88(5/8) |          |              |            |            |          |          |      |
|                                                                                   | CONNECT METHOD, STD LENGTH m (ft)              |                     | flared type, 5.0(16.4)                         |       |                           | flared type, 5.0(16.4)              |          |              |            |            |          |          |      |
|                                                                                   | PIPE LENGTH RANGE m (ft)                       |                     | 5 ~ 50 (16.4 ~ 164.0)                          |       |                           |                                     |          |              | ~          | ~          |          |          |      |
|                                                                                   | I/D&O/D HEIGHT DIFFERENCE m (ft)               |                     | 15 (OD located lower) / 30 (OD located higher) |       |                           | (49.2/98.4)                         |          |              |            |            |          |          |      |
|                                                                                   | ADD GAS AMOUNT g/m (oz/ft)                     |                     | 50 (0.538)                                     |       |                           |                                     |          |              |            |            |          |          |      |
| PIPE LENGTH FOR ADDITIONAL GAS m (ft)                                             |                                                |                     |                                                |       | 30 (98.4)                 |                                     |          |              |            |            |          |          |      |

\*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m³/min.) shall be multiplied by 16.7 and rounded down the decimal point.

\*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.

\*3: Network Impedance shall be applicable for EUROPE and CHINA models.

\*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.

\*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.

\*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

# Simultaneous (Twin) -Type

## 1-1. Unit Specifications

### PE1

#### 4. Low Silhouette Ducted Type S-71PF1E5A×2 / U-140PE1E8A

| INDOOR                                |                                   |                     | MODEL                                          |                                       | S-71PF1E5A×2                 |                                     |             |             |          |        |       |        |
|---------------------------------------|-----------------------------------|---------------------|------------------------------------------------|---------------------------------------|------------------------------|-------------------------------------|-------------|-------------|----------|--------|-------|--------|
| OUTDOOR                               |                                   |                     | MODEL                                          |                                       |                              |                                     |             | U-140PE1E8A |          |        |       |        |
| Branch pipe                           |                                   |                     | MODEL                                          |                                       |                              |                                     |             | CZ-P155BK1  |          |        |       |        |
| PERFORMANCE TEST CONDITION            |                                   |                     |                                                |                                       | ISO13253 / EN14511 / EN12102 |                                     |             |             |          |        |       |        |
| POWER SUPPLY                          |                                   |                     | ø, Hz                                          |                                       | 1ø 50Hz                      |                                     |             | 3ø 50Hz     |          |        |       |        |
|                                       |                                   |                     | V                                              |                                       | 220                          | 230                                 | 240         | 380         | 400      | 415    | Min   | Max    |
| C<br>O<br>O<br>L<br>I<br>N<br>G       | CAPACITY                          |                     | kW                                             |                                       | 14.0                         | 14.0                                | 14.0        |             |          |        | 3.3   | 15.5   |
|                                       |                                   |                     | BTU/h                                          |                                       | 47800                        | 47800                               | 47800       |             |          |        | 11300 | 52900  |
|                                       | CURRENT                           |                     | A                                              |                                       | 0.91×2                       | 0.89×2                              | 0.87×2      | 6.69        | 6.42     | 6.18   | -     | -      |
|                                       | INPUT POWER                       |                     | W                                              |                                       | 120×2                        | 120×2                               | 120×2       | 4.085k      | 4.085k   | 4.085k | -     | -      |
|                                       |                                   |                     | TOTAL W                                        |                                       |                              |                                     |             | 4.325k      | 4.325k   | 4.325k | 840   | 6.000k |
|                                       | ANNUAL CONSUMPTION                |                     | TOTAL kWh ※4                                   |                                       |                              |                                     |             | -           | 2162.5   | -      | -     | -      |
|                                       | EER/EER CLASS                     |                     | TOTAL(W/W)※5/("A"~"G")                         |                                       | -                            | -                                   | -           | 3.24        | 3.24 / A | 3.24   | 3.93  | 2.58   |
|                                       | Erp<br>※6                         | Pdsign              | kW                                             |                                       | -                            | -                                   | -           | -           | -        | -      |       |        |
|                                       |                                   | SEER                | (W/W)                                          |                                       | -                            | -                                   | -           | -           | -        | -      |       |        |
|                                       |                                   | Annual consumption  | kWh                                            |                                       | -                            | -                                   | -           | -           | -        | -      |       |        |
|                                       |                                   | Class               |                                                |                                       | -                            | -                                   | -           | -           | -        | -      |       |        |
| POWER FACTOR                          |                                   | %                   |                                                | -                                     | -                            | -                                   | 93          | 92          | 92       | -      | -     |        |
| NOISE INDOOR (H/M/L)                  |                                   | dB-A                |                                                | 35/32/26                              |                              |                                     |             |             |          |        |       |        |
|                                       |                                   | Power Level dB      |                                                | 57/54/48                              |                              |                                     |             |             |          |        |       |        |
| NOISE OUTDOOR (H/L)                   |                                   | dB-A                |                                                |                                       |                              |                                     | 54/-        |             |          |        |       |        |
|                                       |                                   | Power Level dB      |                                                |                                       |                              |                                     | 71/-        |             |          |        |       |        |
| H<br>E<br>A<br>T<br>I<br>N<br>G       | CAPACITY                          |                     | kW                                             |                                       | 16.0                         | 16.0                                | 16.0        |             |          |        | 4.1   | 18.0   |
|                                       |                                   |                     | BTU/h                                          |                                       | 54600                        | 54600                               | 54600       |             |          |        | 14000 | 61400  |
|                                       | CURRENT                           |                     | A                                              |                                       | 0.91×2                       | 0.89×2                              | 0.87×2      | 6.64        | 6.35     | 6.15   | -     | -      |
|                                       | INPUT POWER                       |                     | W                                              |                                       | 120×2                        | 120×2                               | 120×2       | 4.215k      | 4.215k   | 4.215k | -     | -      |
|                                       |                                   |                     | TOTAL W                                        |                                       |                              |                                     |             | 4.455k      | 4.455k   | 4.455k | 900   | 5.900k |
|                                       | COP/COP CLASS                     |                     | TOTAL(W/W)※5/("A"~"G")                         |                                       | -                            | -                                   | -           | 3.59        | 3.59 / A | 3.59   | 4.56  | 3.05   |
|                                       | Erp<br>※6                         | Pdsign              | kW                                             |                                       | -                            | -                                   | -           | -           | -        | -      |       |        |
|                                       |                                   | Tbivalen            | °C                                             |                                       | -                            | -                                   | -           | -           | -        | -      |       |        |
|                                       |                                   | SCOP                | (W/W)                                          |                                       | -                            | -                                   | -           | -           | -        | -      |       |        |
|                                       |                                   | Annual consumption  | kWh                                            |                                       | -                            | -                                   | -           | -           | -        | -      |       |        |
|                                       |                                   | Class               |                                                |                                       | -                            | -                                   | -           | -           | -        | -      |       |        |
|                                       | POWER FACTOR                      |                     | %                                              |                                       | -                            | -                                   | -           | 96          | 96       | 95     | -     | -      |
|                                       | NOISE INDOOR (H/M/L)              |                     | dB-A                                           |                                       | 35/32/26                     |                                     |             |             |          |        | /     | /      |
|                                       |                                   |                     | Power Level dB                                 |                                       | 57/54/48                     |                                     |             |             |          |        |       |        |
|                                       | NOISE OUTDOOR (H/L)               |                     | dB-A                                           |                                       |                              |                                     |             | 55/-        |          |        | /     | /      |
|                                       |                                   |                     | Power Level dB                                 |                                       |                              |                                     |             | 71/-        |          |        |       |        |
|                                       | EXTRA LOW TEMP                    |                     |                                                | Total CAPACITY(kW)/INPUT POWER(W)/COP |                              |                                     | -           |             |          |        |       |        |
| MAX CURRENT(A)/MAX INPUT POWER(W)     |                                   |                     | 1.26×2/160×2                                   | 1.20×2/160×2                          | 1.15×2/160×2                 | 11.0/6.800k                         | 11.0/7.150k | 11.0/7.450k | /        |        |       |        |
| STARTING CURRENT(A)/COMP OUTPUT(W)    |                                   |                     | -                                              | -                                     | -                            | 6.69/3.0k                           | 6.42/3.0k   | 6.18/3.0k   | /        |        |       |        |
| NETWORK IMPEDANCE (QMAX.)             |                                   |                     |                                                |                                       |                              |                                     |             |             |          |        |       |        |
| FM OUTPUT (W)                         |                                   |                     | 120                                            |                                       |                              | 90x2                                |             |             | /        |        |       |        |
| MOISTURE REMOVAL VOLUME               |                                   |                     | L/h(Pt/h)                                      | 9.0                                   | (4.5×2)                      | (18.9)                              |             |             |          |        |       |        |
| External static pressure              |                                   |                     | Pa                                             | 70 (MIN10 - MAX150)                   |                              |                                     |             |             |          |        |       |        |
| I/D AIR FLOW                          | COOL                              | m³/min (ft³/min)    | [21/19/15 (742/671/530)]×2                     |                                       |                              |                                     |             |             |          |        |       |        |
|                                       | HEAT                              | m³/min (ft³/min)    | [21/19/15 (742/671/530)]×2                     |                                       |                              |                                     |             |             |          |        |       |        |
| O/D AIR FLOW                          | COOL                              | m³/min (ft³/min)    |                                                |                                       |                              | 135                                 | (4767)      |             |          |        |       |        |
|                                       | HEAT                              | m³/min (ft³/min)    |                                                |                                       |                              | 120                                 | (4238)      |             |          |        |       |        |
| REFRIGERANT TYPE, AMOUNT g(oz)        |                                   |                     |                                                |                                       |                              | R410A                               | 3.40k       | (119.9)     | /        |        |       |        |
| P<br>R<br>O<br>M                      | D                                 | HEIGHT : H mm(inch) | 290 (11-13/32)                                 |                                       |                              | 1416 (55-3/4)                       |             |             | /        |        |       |        |
|                                       | I                                 | WIDTH : W mm(inch)  | 1000 (39-3/8)                                  |                                       |                              | 940 (37-1/32)                       |             |             | /        |        |       |        |
|                                       | M                                 | DEPTH : D mm(inch)  | 700 (27-9/16)                                  |                                       |                              | 340 (13-13/32)                      |             |             | /        |        |       |        |
| P<br>A<br>C<br>M                      | D                                 | HEIGHT : H mm       | 355                                            |                                       |                              | 1556                                |             |             | /        |        |       |        |
|                                       | I                                 | WIDTH : W mm        | 1214                                           |                                       |                              | 1055                                |             |             | /        |        |       |        |
|                                       | M                                 | DEPTH : D mm        | 850                                            |                                       |                              | 485                                 |             |             | /        |        |       |        |
| MASS                                  |                                   | (NET) kg(lb)        | 33 (73)                                        |                                       |                              | 98 (216)                            |             |             | /        |        |       |        |
|                                       |                                   | (GROSS) kg(lb)      | 41 (91)                                        |                                       |                              | 108 (238)                           |             |             | /        |        |       |        |
| LAYERS LIMIT (actually)               |                                   |                     | 9 (10)                                         |                                       |                              | 1 (2)                               |             |             |          |        |       |        |
| Operation Condition                   |                                   | Cool O.D(DBT)       | 18°C ~ 32°C                                    |                                       |                              | -15°C ~ 46°C                        |             |             |          |        |       |        |
|                                       |                                   | Heat O.D(DBT)       | 16°C ~ 30°C                                    |                                       |                              | -20°C ~ 24°C                        |             |             |          |        |       |        |
| P<br>I<br>P<br>I<br>N<br>G            | PIPE DIAMETER mm (inch)           |                     | (Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)            |                                       |                              | (Liquid)ø9.52(3/8) (Gas)ø15.88(5/8) |             |             |          |        |       |        |
|                                       | CONNECT METHOD, STD LENGTH m (ft) |                     | flared type, 5.0(16.4)                         |                                       |                              | flared type, 5.0(16.4)              |             |             |          |        |       |        |
|                                       | PIPE LENGTH RANGE m (ft)          |                     | 5 ~ 75 (16.4 ~ 246.1)                          |                                       |                              |                                     |             |             | ~        | ~      |       |        |
|                                       | I/D&O/D HEIGHT DIFFERENCE m (ft)  |                     | 15 (OD located lower) / 30 (OD located higher) |                                       |                              | (49.2/98.4)                         |             |             |          |        |       |        |
|                                       | ADD GAS AMOUNT g/m (oz/ft)        |                     | 50 (0.538)                                     |                                       |                              |                                     |             |             |          |        |       |        |
| PIPE LENGTH FOR ADDITIONAL GAS m (ft) |                                   | 30 (98.4)           |                                                |                                       |                              |                                     |             |             |          |        |       |        |

\*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m³/min.) shall be multiplied by 16.7 and rounded down the decimal point.

\*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.

\*3: Network Impedance shall be applicable for EUROPE and CHINA models.

\*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.

\*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.

\*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

# Single -Type

## 1-1. Unit Specifications

### PE1

#### 4. Low Silhouette Ducted Type S-100PF1E5A / U-100PE1E8A

| INDOOR                                               |                                   |                     | MODEL                                          |                         | S-100PF1E5A                            |                                     |                |             |          |        |       |        |
|------------------------------------------------------|-----------------------------------|---------------------|------------------------------------------------|-------------------------|----------------------------------------|-------------------------------------|----------------|-------------|----------|--------|-------|--------|
| OUTDOOR                                              |                                   |                     | MODEL                                          |                         |                                        |                                     |                | U-100PE1E8A |          |        |       |        |
| Branch pipe                                          |                                   |                     | MODEL                                          |                         |                                        |                                     |                | -           |          |        |       |        |
| PERFORMANCE TEST CONDITION                           |                                   |                     |                                                |                         | ISO13253 / EN14511 / EN14825 / EN12102 |                                     |                |             |          |        |       |        |
| POWER SUPPLY                                         |                                   |                     | ø, Hz                                          |                         | 1ø 50Hz                                |                                     |                | 3ø 50Hz     |          |        |       |        |
|                                                      |                                   |                     | V                                              |                         | 220                                    | 230                                 | 240            | 380         | 400      | 415    | Min   | Max    |
| C<br>O<br>O<br>L<br>I<br>N<br>G                      | CAPACITY                          |                     | kW                                             |                         | 10.0                                   | 10.0                                | 10.0           |             |          |        | 3.3   | 12.5   |
|                                                      |                                   |                     | BTU/h                                          |                         | 34100                                  | 34100                               | 34100          |             |          |        | 11300 | 42700  |
|                                                      | CURRENT                           |                     | A                                              |                         | 1.35                                   | 1.30                                | 1.27           | 3.68        | 3.53     | 3.43   | -     | -      |
|                                                      |                                   |                     | W                                              |                         | 195                                    | 195                                 | 195            | 2.245k      | 2.245k   | 2.245k | -     | -      |
|                                                      | INPUT POWER                       |                     | TOTAL W                                        |                         | -                                      |                                     |                | 2.440k      | 2.440k   | 2.440k | 840   | 3.700k |
|                                                      |                                   |                     | TOTAL kWh ※ 4                                  |                         | -                                      |                                     |                | -           | 1220     | -      | -     | -      |
|                                                      | EER/EER CLASS                     |                     | TOTAL(W/W)※5/("A"~"G")                         |                         | -                                      | -                                   | -              | 4.10        | 4.10 / A | 4.10   | 3.93  | 3.38   |
|                                                      |                                   |                     | Pdsign kW                                      |                         | -                                      | -                                   | -              | -           | 10.0     | -      |       |        |
|                                                      | Erp<br>※ 6                        | SEER                |                                                | (W/W)                   |                                        | -                                   | -              | -           | -        | 5.7    | -     |        |
|                                                      |                                   | Annual consumption  |                                                | kWh                     |                                        | -                                   | -              | -           | -        | 614    | -     |        |
|                                                      |                                   | Class               |                                                |                         |                                        | -                                   | -              | -           | -        | A+     | -     |        |
|                                                      |                                   | POWER FACTOR        |                                                | %                       |                                        | -                                   | -              | -           | 93       | 92     | 91    | -      |
| NOISE INDOOR<br>(H/M/L)                              |                                   | dB-A                |                                                | 38/34/31                |                                        |                                     | -              |             |          |        |       |        |
|                                                      |                                   | Power Level dB      |                                                | 60/56/53                |                                        |                                     | -              |             |          |        |       |        |
| NOISE OUTDOOR<br>(H/L)                               |                                   | dB-A                |                                                |                         |                                        |                                     | 52/-           |             |          |        |       |        |
|                                                      |                                   | Power Level dB      |                                                |                         |                                        |                                     | 69/-           |             |          |        |       |        |
| H<br>E<br>A<br>T<br>I<br>N<br>G                      | CAPACITY                          |                     | kW                                             |                         | 11.2                                   | 11.2                                | 11.2           |             |          |        | 4.1   | 14.0   |
|                                                      |                                   |                     | BTU/h                                          |                         | 38200                                  | 38200                               | 38200          |             |          |        | 14000 | 47800  |
|                                                      | CURRENT                           |                     | A                                              |                         | 1.37                                   | 1.34                                | 1.29           | 3.86        | 3.70     | 3.58   | -     | -      |
|                                                      |                                   |                     | W                                              |                         | 200                                    | 200                                 | 200            | 2.400k      | 2.400k   | 2.400k | -     | -      |
|                                                      | INPUT POWER                       |                     | TOTAL W                                        |                         | -                                      |                                     |                | 2.600k      | 2.600k   | 2.600k | 900   | 4.400k |
|                                                      |                                   |                     | TOTAL(W/W)※5/("A"~"G")                         |                         | -                                      | -                                   | -              | 4.31        | 4.31 / A | 4.31   | 4.56  | 3.18   |
|                                                      | Erp<br>※ 6                        | Pdsign              |                                                | kW                      |                                        | -                                   | -              | -           | -        | 10.0   | -     |        |
|                                                      |                                   | Tbivalen            |                                                | °C                      |                                        | -                                   | -              | -           | -        | -10    | -     |        |
|                                                      |                                   | SCOP                |                                                | (W/W)                   |                                        | -                                   | -              | -           | -        | 3.8    | -     |        |
|                                                      |                                   | Annual consumption  |                                                | kWh                     |                                        | -                                   | -              | -           | -        | 3684   | -     |        |
|                                                      |                                   | Class               |                                                |                         |                                        | -                                   | -              | -           | -        | A      | -     |        |
|                                                      | POWER FACTOR                      |                     | %                                              |                         | -                                      | -                                   | -              | 94          | 94       | 93     | -     | -      |
|                                                      | NOISE INDOOR<br>(H/M/L)           |                     | dB-A                                           |                         | 38/34/31                               |                                     |                | -           |          |        | /     | /      |
|                                                      |                                   |                     | Power Level dB                                 |                         | 60/56/53                               |                                     |                | -           |          |        |       |        |
|                                                      | NOISE OUTDOOR<br>(H/L)            |                     | dB-A                                           |                         | -                                      |                                     |                | 52/-        |          |        | /     | /      |
| Power Level dB                                       |                                   |                     | -                                              |                         |                                        | 69/-                                |                |             |          |        |       |        |
| EXTRA LOW TEMP Total CAPACITY(kW)/INPUT POWER(W)/COP |                                   |                     | (Q8.8kW/W4.200kW/COP2.10)                      |                         |                                        |                                     |                |             |          |        |       |        |
| MAX CURRENT(A)/MAX INPUT POWER(W)                    |                                   |                     | 1.80/265                                       | 1.75/265                | 1.70/265                               | 9.0/5.550k                          | 9.0/5.850k     | 9.0/6.100k  | /        |        |       |        |
| STARTING CURRENT(A)/COMP OUTPUT(W)                   |                                   |                     | -                                              | -                       | -                                      | 3.86/3.0k                           | 3.70/3.0k      | 3.58/3.0k   | /        |        |       |        |
| NETWORK IMPEDANCE (ΩMAX.)                            |                                   |                     | -                                              |                         |                                        | -                                   |                |             |          |        |       |        |
| FM OUTPUT (W)                                        |                                   |                     | 200                                            |                         |                                        | 90×2                                |                |             | /        |        |       |        |
| MOISTURE REMOVAL VOLUME                              |                                   |                     | L/h(Pt/h)                                      | 6.0                     | (12.6)                                 | -                                   |                |             |          |        |       |        |
| External static pressure                             |                                   |                     | Pa                                             | 100 (MIN10 - MAX150)    |                                        |                                     |                |             |          |        |       |        |
| I/D AIR FLOW                                         | COOL                              |                     | m³/min (ft³/min)                               | 32/26/21 (1130/918/742) |                                        |                                     |                |             |          |        |       |        |
|                                                      | HEAT                              |                     | m³/min (ft³/min)                               | 32/26/21 (1130/918/742) |                                        |                                     |                |             |          |        |       |        |
| O/D AIR FLOW                                         | COOL                              |                     | m³/min (ft³/min)                               |                         |                                        |                                     | 110            | (3885)      |          |        |       |        |
|                                                      | HEAT                              |                     | m³/min (ft³/min)                               |                         |                                        |                                     | 95             | (3355)      |          |        |       |        |
| REFRIGERANT TYPE, AMOUNT g(oz)                       |                                   |                     |                                                |                         |                                        | R410A                               | 3.40k          | (119.9)     | /        |        |       |        |
| P<br>R<br>O<br>M                                     | D<br>I<br>M                       | HEIGHT : H mm(inch) |                                                | 290 (11-13/32)          |                                        |                                     | 1416 (55-3/4)  |             |          | /      |       |        |
|                                                      |                                   | WIDTH : W mm(inch)  |                                                | 1400 (55-1/8)           |                                        |                                     | 940 (37-1/32)  |             |          | /      |       |        |
|                                                      |                                   | DEPTH : D mm(inch)  |                                                | 700 (27-9/16)           |                                        |                                     | 340 (13-13/32) |             |          | /      |       |        |
| P<br>A<br>C<br>M                                     | D<br>I<br>M                       | HEIGHT : H mm       |                                                | 355                     |                                        |                                     | 1556           |             |          | /      |       |        |
|                                                      |                                   | WIDTH : W mm        |                                                | 1614                    |                                        |                                     | 1055           |             |          | /      |       |        |
|                                                      |                                   | DEPTH : D mm        |                                                | 850                     |                                        |                                     | 485            |             |          | /      |       |        |
| MASS                                                 | (NET) kg(lb)                      |                     | 45 (99)                                        |                         |                                        | 98 (216)                            |                |             | /        |        |       |        |
|                                                      | (GROSS) kg(lb)                    |                     | 54 (119)                                       |                         |                                        | 108 (238)                           |                |             | /        |        |       |        |
| LAYERS LIMIT (actually)                              |                                   |                     | 9 (10)                                         |                         |                                        | 1 (2)                               |                |             |          |        |       |        |
| Operation Condition                                  |                                   |                     | Cool O.D(DBT)                                  | 18°C ~ 32°C             |                                        |                                     | -15°C ~ 46°C   |             |          |        |       |        |
|                                                      |                                   |                     | Heat O.D(DBT)                                  | 16°C ~ 30°C             |                                        |                                     | -20°C ~ 24°C   |             |          |        |       |        |
| P<br>I<br>P<br>I<br>N<br>G                           | PIPE DIAMETER mm (inch)           |                     | (Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)            |                         |                                        | (Liquid)ø9.52(3/8) (Gas)ø15.88(5/8) |                |             |          |        |       |        |
|                                                      | CONNECT METHOD, STD LENGTH m (ft) |                     | flared type, 5.0(16.4)                         |                         |                                        | flared type, 5.0(16.4)              |                |             |          |        |       |        |
|                                                      | PIPE LENGTH RANGE m (ft)          |                     | 5 ~ 75 (16.4 ~ 246.1)                          |                         |                                        |                                     |                |             | ~        | ~      |       |        |
|                                                      | I/D&O/D HEIGHT DIFFERENCE m (ft)  |                     | 15 (OD located lower) / 30 (OD located higher) |                         |                                        | (49.2/98.4)                         |                |             |          |        |       |        |
|                                                      | ADD GAS AMOUNT g/m (oz/ft)        |                     | 50 (0.538)                                     |                         |                                        |                                     |                |             |          |        |       |        |
| PIPE LENGTH FOR ADDITIONAL GAS m (ft)                |                                   |                     | 30 (98.4)                                      |                         |                                        |                                     |                |             |          |        |       |        |

\*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m³/min.) shall be multiplied by 16.7 and rounded down the decimal point.

\*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.

\*3: Network Impedance shall be applicable for EUROPE and CHINA models.

\*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.

\*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.

\*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

# Single -Type

## 1-1. Unit Specifications

### PE1

#### 4. Low Silhouette Ducted Type S-125PF1E5A / U-125PE1E8A

| INDOOR                                               |                                       |                     | MODEL                                          |                      | S-125PF1E5A                  |                                     |             |             |          |        |       |        |
|------------------------------------------------------|---------------------------------------|---------------------|------------------------------------------------|----------------------|------------------------------|-------------------------------------|-------------|-------------|----------|--------|-------|--------|
| OUTDOOR                                              |                                       |                     | MODEL                                          |                      |                              |                                     |             | U-125PE1E8A |          |        |       |        |
| Branch pipe                                          |                                       |                     | MODEL                                          |                      |                              |                                     |             | -           |          |        |       |        |
| PERFORMANCE TEST CONDITION                           |                                       |                     |                                                |                      | ISO13253 / EN14511 / EN12102 |                                     |             |             |          |        |       |        |
| POWER SUPPLY                                         |                                       |                     | ø, Hz                                          |                      | 1ø 50Hz                      |                                     |             | 3ø 50Hz     |          |        |       |        |
|                                                      |                                       |                     | V                                              |                      | 220                          | 230                                 | 240         | 380         | 400      | 415    | Min   | Max    |
| C<br>O<br>O<br>L<br>I<br>N<br>G                      | CAPACITY                              |                     | kW                                             |                      | 12.5                         | 12.5                                | 12.5        |             |          |        | 3.3   | 14.0   |
|                                                      |                                       |                     | BTU/h                                          |                      | 42700                        | 42700                               | 42700       |             |          |        | 11300 | 47800  |
|                                                      | CURRENT                               |                     | A                                              |                      | 1.48                         | 1.44                                | 1.39        | 5.52        | 5.29     | 5.12   | -     | -      |
|                                                      | INPUT POWER                           |                     | W                                              |                      | 215                          | 215                                 | 215         | 3.355k      | 3.355k   | 3.355k | -     | -      |
|                                                      |                                       |                     | TOTAL W                                        |                      | -                            |                                     |             | 3.570k      | 3.570k   | 3.570k | 840   | 4.600k |
|                                                      | ANNUAL CONSUMPTION                    |                     | TOTAL kWh ※4                                   |                      | -                            |                                     |             | -           | 1785     | -      | -     | -      |
|                                                      | EER/EER CLASS                         |                     | TOTAL(W/W)※5/("A"~"G")                         |                      | -                            | -                                   | -           | 3.50        | 3.50 / A | 3.50   | 3.93  | 3.04   |
|                                                      | Erp<br>※6                             | Pdsign              | kW                                             |                      | -                            | -                                   | -           | -           | -        | -      |       |        |
|                                                      |                                       | SEER                | (W/W)                                          |                      | -                            | -                                   | -           | -           | -        | -      |       |        |
|                                                      |                                       | Annual consumption  | kWh                                            |                      | -                            | -                                   | -           | -           | -        | -      |       |        |
|                                                      |                                       | Class               |                                                |                      | -                            | -                                   | -           | -           | -        | -      |       |        |
| POWER FACTOR                                         |                                       | %                   |                                                | -                    | -                            | -                                   | 92          | 92          | 91       | -      | -     |        |
| NOISE INDOOR (H/M/L)                                 |                                       | dB-A                |                                                | 39/35/32             |                              |                                     | -           |             |          |        |       |        |
|                                                      |                                       | Power Level dB      |                                                | 61/57/54             |                              |                                     | -           |             |          |        |       |        |
| NOISE OUTDOOR (H/L)                                  |                                       | dB-A                |                                                |                      |                              |                                     | 53/-        |             |          |        |       |        |
|                                                      |                                       | Power Level dB      |                                                |                      |                              |                                     | 70/-        |             |          |        |       |        |
| H<br>E<br>A<br>T<br>I<br>N<br>G                      | CAPACITY                              |                     | kW                                             |                      | 14.0                         | 14.0                                | 14.0        |             |          |        | 4.1   | 16.0   |
|                                                      |                                       |                     | BTU/h                                          |                      | 47800                        | 47800                               | 47800       |             |          |        | 14000 | 54600  |
|                                                      | CURRENT                               |                     | A                                              |                      | 1.46                         | 1.42                                | 1.38        | 5.44        | 5.26     | 5.05   | -     | -      |
|                                                      | INPUT POWER                           |                     | W                                              |                      | 210                          | 210                                 | 210         | 3.270k      | 3.270k   | 3.270k | -     | -      |
|                                                      |                                       |                     | TOTAL W                                        |                      | -                            |                                     |             | 3.480k      | 3.480k   | 3.480k | 900   | 5.200k |
|                                                      | COP/COP CLASS                         |                     | TOTAL(W/W)※5("A"~"G")                          |                      | -                            | -                                   | -           | 4.02        | 4.02 / A | 4.02   | 4.56  | 3.08   |
|                                                      | Erp<br>※6                             | Pdsign              | kW                                             |                      | -                            | -                                   | -           | -           | -        | -      |       |        |
|                                                      |                                       | Tbivalen            | °C                                             |                      | -                            | -                                   | -           | -           | -        | -      |       |        |
|                                                      |                                       | SCOP                | (W/W)                                          |                      | -                            | -                                   | -           | -           | -        | -      |       |        |
|                                                      |                                       | Annual consumption  | kWh                                            |                      | -                            | -                                   | -           | -           | -        | -      |       |        |
|                                                      |                                       | Class               |                                                |                      | -                            | -                                   | -           | -           | -        | -      |       |        |
|                                                      | POWER FACTOR                          |                     | %                                              |                      | -                            | -                                   | -           | 91          | 90       | 90     | -     | -      |
|                                                      | NOISE INDOOR (H/M/L)                  |                     | dB-A                                           |                      | 39/35/32                     |                                     |             | -           |          |        | / /   |        |
|                                                      |                                       |                     | Power Level dB                                 |                      | 61/57/54                     |                                     |             | -           |          |        |       |        |
|                                                      | NOISE OUTDOOR (H/L)                   |                     | dB-A                                           |                      | -                            |                                     |             | 53/-        |          |        | / /   |        |
|                                                      |                                       | Power Level dB      |                                                | -                    |                              |                                     | 70/-        |             |          |        |       |        |
| EXTRA LOW TEMP Total CAPACITY(kW)/INPUT POWER(W)/COP |                                       |                     | (Q10.5kW/W5.200kW/COP2.02)                     |                      |                              |                                     |             |             |          |        |       |        |
| MAX CURRENT(A)/MAX INPUT POWER(W)                    |                                       |                     | 1.80/265                                       | 1.75/265             | 1.70/265                     | 10.0/6.200k                         | 10.0/6.500k | 10.0/6.750k | /        |        |       |        |
| STARTING CURRENT(A)/COMP OUTPUT(W)                   |                                       |                     | -                                              | -                    | -                            | 5.52/3.0k                           | 5.29/3.0k   | 5.12/3.0k   | /        |        |       |        |
| NETWORK IMPEDANCE (ΩMAX.)                            |                                       |                     | -                                              |                      |                              | -                                   |             |             |          |        |       |        |
| FM OUTPUT (W)                                        |                                       |                     | 200                                            |                      |                              | 90×2                                |             |             | /        |        |       |        |
| MOISTURE REMOVAL VOLUME                              |                                       |                     | L/h(Pt/h)                                      | 7.9                  | (16.6)                       | -                                   |             |             |          |        |       |        |
| External static pressure                             |                                       |                     | Pa                                             | 100 (MIN10 - MAX150) |                              |                                     |             |             |          |        |       |        |
| I/D AIR FLOW                                         | COOL                                  | m³/min (ft³/min)    | 34/29/23 (1201/1024/812)                       |                      |                              |                                     |             |             |          |        |       |        |
|                                                      | HEAT                                  | m³/min (ft³/min)    | 34/29/23 (1201/1024/812)                       |                      |                              |                                     |             |             |          |        |       |        |
| O/D AIR FLOW                                         | COOL                                  | m³/min (ft³/min)    |                                                |                      |                              | 130                                 | (4591)      |             |          |        |       |        |
|                                                      | HEAT                                  | m³/min (ft³/min)    |                                                |                      |                              | 110                                 | (3885)      |             |          |        |       |        |
| REFRIGERANT TYPE, AMOUNT g(oz)                       |                                       |                     |                                                |                      |                              | R410A                               | 3.40k       | (119.9)     | /        |        |       |        |
| P                                                    | D                                     | HEIGHT : H mm(inch) | 290 (11-13/32)                                 |                      |                              | 1416 (55-3/4)                       |             |             | /        |        |       |        |
| R                                                    | I                                     | WIDTH : W mm(inch)  | 1400 (55-1/8)                                  |                      |                              | 940 (37-1/32)                       |             |             | /        |        |       |        |
| O                                                    | M                                     | DEPTH : D mm(inch)  | 700 (27-9/16)                                  |                      |                              | 340 (13-13/32)                      |             |             | /        |        |       |        |
| P                                                    | D                                     | HEIGHT : H mm       | 355                                            |                      |                              | 1556                                |             |             | /        |        |       |        |
| A                                                    | I                                     | WIDTH : W mm        | 1614                                           |                      |                              | 1055                                |             |             | /        |        |       |        |
| C                                                    | M                                     | DEPTH : D mm        | 850                                            |                      |                              | 485                                 |             |             | /        |        |       |        |
| MASS                                                 | (NET) kg(lb)                          |                     | 45 (99)                                        |                      |                              | 98 (216)                            |             |             | /        |        |       |        |
|                                                      | (GROSS) kg(lb)                        |                     | 54 (119)                                       |                      |                              | 108 (238)                           |             |             | /        |        |       |        |
| LAYERS LIMIT (actually)                              |                                       |                     | 9 (10)                                         |                      |                              | 1 (2)                               |             |             |          |        |       |        |
| Operation                                            |                                       | Cool O.D.(DBT)      | 18°C ~ 32°C                                    |                      |                              | -15°C ~ 46°C                        |             |             |          |        |       |        |
| Condition                                            |                                       | Heat O.D.(DBT)      | 16°C ~ 30°C                                    |                      |                              | -20°C ~ 24°C                        |             |             |          |        |       |        |
| P                                                    | PIPE DIAMETER mm (inch)               |                     | (Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)            |                      |                              | (Liquid)ø9.52(3/8) (Gas)ø15.88(5/8) |             |             |          |        |       |        |
|                                                      | CONNECT METHOD, STD LENGTH m (ft)     |                     | flared type, 5.0(16.4)                         |                      |                              | flared type, 5.0(16.4)              |             |             |          |        |       |        |
| P                                                    | PIPE LENGTH RANGE m (ft)              |                     | 5 ~ 75 (16.4 ~ 246.1)                          |                      |                              |                                     |             |             | ~ ~      |        |       |        |
| I                                                    | I/D&O/D HEIGHT DIFFERENCE m (ft)      |                     | 15 (OD located lower) / 30 (OD located higher) |                      |                              | (49.2/98.4)                         |             |             |          |        |       |        |
| N                                                    | ADD GAS AMOUNT g/m (oz/ft)            |                     | 50 (0.538)                                     |                      |                              |                                     |             |             |          |        |       |        |
|                                                      | PIPE LENGTH FOR ADDITIONAL GAS m (ft) |                     | 30 (98.4)                                      |                      |                              |                                     |             |             |          |        |       |        |

\*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m³/min.) shall be multiplied by 16.7 and rounded down the decimal point.

\*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.

\*3: Network Impedance shall be applicable for EUROPE and CHINA models.

\*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.

\*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.

\*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

# Single -Type

## 1-1. Unit Specifications

### PE1

#### 4. Low Silhouette Ducted Type S-140PF1E5A / U-140PE1E8A

| INDOOR                                |                                   |                     | MODEL                                          |                        | S-140PF1E5A                  |                                     |                |              |             |             |       |        |  |
|---------------------------------------|-----------------------------------|---------------------|------------------------------------------------|------------------------|------------------------------|-------------------------------------|----------------|--------------|-------------|-------------|-------|--------|--|
| OUTDOOR                               |                                   |                     | MODEL                                          |                        |                              |                                     |                | U-140PE1E8A  |             |             |       |        |  |
| Branch pipe                           |                                   |                     | MODEL                                          |                        |                              |                                     |                | -            |             |             |       |        |  |
| PERFORMANCE TEST CONDITION            |                                   |                     |                                                |                        | ISO13253 / EN14511 / EN12102 |                                     |                |              |             |             |       |        |  |
| POWER SUPPLY                          |                                   |                     | ø, Hz                                          |                        | 1ø 50Hz                      |                                     |                | 3ø 50Hz      |             |             |       |        |  |
|                                       |                                   |                     | V                                              |                        | 220                          | 230                                 | 240            | 380          | 400         | 415         | Min   | Max    |  |
| C<br>O<br>O<br>L<br>I<br>N<br>G       | CAPACITY                          |                     | kW                                             |                        | 14.0                         | 14.0                                | 14.0           |              |             |             | 3.3   | 15.5   |  |
|                                       |                                   |                     | BTU/h                                          |                        | 47800                        | 47800                               | 47800          |              |             |             | 11300 | 52900  |  |
|                                       | CURRENT                           |                     | A                                              |                        | 1.55                         | 1.50                                | 1.47           | 6.69         | 6.42        | 6.18        | -     | -      |  |
|                                       |                                   |                     | W                                              |                        | 225                          | 225                                 | 225            | 4.085k       | 4.085k      | 4.085k      | -     | -      |  |
|                                       | INPUT POWER                       |                     | TOTAL W                                        |                        |                              |                                     |                | 4.310k       | 4.310k      | 4.310k      | 840   | 6.000k |  |
|                                       |                                   |                     | TOTAL kWh ※ 4                                  |                        |                              |                                     |                | -            | 2155        | -           | -     | -      |  |
|                                       | EER/EER CLASS                     |                     | TOTAL(W/W)※5/("A"~"G")                         |                        | -                            | -                                   | -              | 3.25         | 3.25 / A    | 3.25        | 3.93  | 2.58   |  |
|                                       |                                   |                     | Pdsign kW                                      |                        | -                            | -                                   | -              | -            | -           | -           |       |        |  |
|                                       | Erp<br>※ 6                        | SEER                | (W/W)                                          |                        | -                            | -                                   | -              | -            | -           | -           |       |        |  |
|                                       |                                   |                     | Annual consumption kWh                         |                        | -                            | -                                   | -              | -            | -           | -           |       |        |  |
|                                       |                                   |                     | Class                                          |                        | -                            | -                                   | -              | -            | -           | -           |       |        |  |
|                                       |                                   |                     | POWER FACTOR %                                 |                        | -                            | -                                   | -              | 93           | 92          | 92          | -     | -      |  |
| NOISE INDOOR (H/M/L)                  |                                   | dB-A                |                                                | 40/36/33               |                              |                                     |                |              |             |             |       |        |  |
|                                       |                                   | Power Level dB      |                                                | 62/58/55               |                              |                                     |                |              |             |             |       |        |  |
| NOISE OUTDOOR (H/L)                   |                                   | dB-A                |                                                |                        |                              |                                     | 54/-           |              |             |             |       |        |  |
|                                       |                                   | Power Level dB      |                                                |                        |                              |                                     | 71/-           |              |             |             |       |        |  |
| H<br>E<br>A<br>T<br>I<br>N<br>G       | CAPACITY                          |                     | kW                                             |                        | 16.0                         | 16.0                                | 16.0           |              |             |             | 4.1   | 18.0   |  |
|                                       |                                   |                     | BTU/h                                          |                        | 54600                        | 54600                               | 54600          |              |             |             | 14000 | 61400  |  |
|                                       | CURRENT                           |                     | A                                              |                        | 1.55                         | 1.50                                | 1.46           | 6.64         | 6.35        | 6.15        | -     | -      |  |
|                                       |                                   |                     | W                                              |                        | 225                          | 225                                 | 225            | 4.215k       | 4.215k      | 4.215k      | -     | -      |  |
|                                       | INPUT POWER                       |                     | TOTAL W                                        |                        |                              |                                     |                | 4.440k       | 4.440k      | 4.440k      | 900   | 5.900k |  |
|                                       |                                   |                     | TOTAL(W/W)※5/("A"~"G")                         |                        | -                            | -                                   | -              | 3.60         | 3.60 / A    | 3.60        | 4.56  | 3.05   |  |
|                                       | Erp<br>※ 6                        | Pdsign              | kW                                             |                        | -                            | -                                   | -              | -            | -           | -           |       |        |  |
|                                       |                                   |                     | Tbivalen °C                                    | -                      | -                            | -                                   | -              | -            | -           | -           |       |        |  |
|                                       |                                   |                     |                                                | SCOP (W/W)             |                              | -                                   | -              | -            | -           | -           | -     |        |  |
|                                       |                                   |                     |                                                | Annual consumption kWh |                              | -                                   | -              | -            | -           | -           | -     | -      |  |
|                                       | Erp<br>※ 6                        | Class               |                                                |                        | -                            | -                                   | -              | -            | -           | -           |       |        |  |
|                                       |                                   |                     | POWER FACTOR %                                 |                        | -                            | -                                   | -              | 96           | 96          | 95          | -     | -      |  |
| NOISE INDOOR (H/M/L)                  |                                   |                     | dB-A                                           |                        | 40/36/33                     |                                     |                |              |             |             | /     | /      |  |
|                                       |                                   |                     | Power Level dB                                 |                        | 62/58/55                     |                                     |                |              |             |             |       |        |  |
| NOISE OUTDOOR (H/L)                   |                                   | dB-A                |                                                |                        |                              |                                     | 55/-           |              |             | /           | /     |        |  |
|                                       |                                   | Power Level dB      |                                                |                        |                              |                                     | 71/-           |              |             |             |       |        |  |
| EXTRA LOW TEMP                        |                                   |                     | Total CAPACITY(kW)/INPUT POWER(W)/COP          |                        | (Q11.5kW/W5.800kW/COP1.98)   |                                     |                |              |             |             |       |        |  |
| MAX CURRENT(A)/MAX INPUT POWER(W)     |                                   |                     |                                                |                        | 1.91/285                     | 1.86/285                            | 1.81/285       | 11.0/6.800k  | 11.0/7.150k | 11.0/7.450k | /     |        |  |
| STARTING CURRENT(A)/COMP OUTPUT(W)    |                                   |                     |                                                |                        | -                            | -                                   | -              | 6.69/3.0k    | 6.42/3.0k   | 6.18/3.0k   | /     |        |  |
| NETWORK IMPEDANCE (ΩMAX.)             |                                   |                     |                                                |                        |                              |                                     |                |              |             |             |       |        |  |
| FM OUTPUT (W)                         |                                   |                     |                                                |                        | 200                          |                                     |                | 90×2         |             |             | /     |        |  |
| MOISTURE REMOVAL VOLUME               |                                   |                     | L/h(Pt/h)                                      |                        | 9.0                          | (18.9)                              |                |              |             |             |       |        |  |
| External static pressure              |                                   |                     | Pa                                             |                        | 100 (MIN10 - MAX150)         |                                     |                |              |             |             |       |        |  |
| I/D AIR FLOW                          | COOL                              |                     | m³/min (ft³/min)                               |                        | 36/32/25 (1271/1130/883)     |                                     |                |              |             |             |       |        |  |
|                                       | HEAT                              |                     | m³/min (ft³/min)                               |                        | 36/32/25 (1271/1130/883)     |                                     |                |              |             |             |       |        |  |
| O/D AIR FLOW                          | COOL                              |                     | m³/min (ft³/min)                               |                        |                              |                                     |                | 135          | (4767)      |             |       |        |  |
|                                       | HEAT                              |                     | m³/min (ft³/min)                               |                        |                              |                                     |                | 120          | (4238)      |             |       |        |  |
| REFRIGERANT TYPE, AMOUNT g(oz)        |                                   |                     |                                                |                        |                              |                                     |                | R410A        | 3.40k       | (119.9)     | /     |        |  |
| P<br>R<br>O<br>M                      | D<br>I<br>M                       | HEIGHT : H mm(inch) |                                                | 290 (11-13/32)         |                              |                                     | 1416 (55-3/4)  |              |             | /           |       |        |  |
|                                       |                                   | WIDTH : W mm(inch)  |                                                | 1400 (55-1/8)          |                              |                                     | 940 (37-1/32)  |              |             | /           |       |        |  |
|                                       |                                   | DEPTH : D mm(inch)  |                                                | 700 (27-9/16)          |                              |                                     | 340 (13-13/32) |              |             | /           |       |        |  |
| P<br>A<br>I<br>C<br>M                 | D<br>I<br>M                       | HEIGHT : H mm       |                                                | 355                    |                              |                                     | 1556           |              |             | /           |       |        |  |
|                                       |                                   | WIDTH : W mm        |                                                | 1614                   |                              |                                     | 1055           |              |             | /           |       |        |  |
|                                       |                                   | DEPTH : D mm        |                                                | 850                    |                              |                                     | 485            |              |             | /           |       |        |  |
| MASS                                  | (NET) kg(lb)                      |                     | 45 (99)                                        |                        |                              | 98 (216)                            |                |              | /           |             |       |        |  |
|                                       | (GROSS) kg(lb)                    |                     | 54 (119)                                       |                        |                              | 108 (238)                           |                |              | /           |             |       |        |  |
| LAYERS LIMIT (actually)               |                                   |                     |                                                |                        | 9 (10)                       |                                     |                | 1 (2)        |             |             |       |        |  |
| Operation Condition                   |                                   |                     | Cool O.D(DBT)                                  |                        | 18°C ~ 32°C                  |                                     |                | -15°C ~ 46°C |             |             |       |        |  |
|                                       |                                   |                     | Heat O.D(DBT)                                  |                        | 16°C ~ 30°C                  |                                     |                | -20°C ~ 24°C |             |             |       |        |  |
| P<br>I<br>P<br>I<br>N<br>G            | PIPE DIAMETER mm (inch)           |                     | (Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)            |                        |                              | (Liquid)ø9.52(3/8) (Gas)ø15.88(5/8) |                |              |             |             |       |        |  |
|                                       | CONNECT METHOD, STD LENGTH m (ft) |                     | flared type, 5.0(16.4)                         |                        |                              | flared type, 5.0(16.4)              |                |              |             |             |       |        |  |
|                                       | PIPE LENGTH RANGE m (ft)          |                     | 5 ~ 75 (16.4 ~ 246.1)                          |                        |                              |                                     |                |              | ~           |             | ~     |        |  |
|                                       | I/D&O/D HEIGHT DIFFERENCE m (ft)  |                     | 15 (OD located lower) / 30 (OD located higher) |                        |                              | (49.2/98.4)                         |                |              |             |             |       |        |  |
|                                       | ADD GAS AMOUNT g/m (oz/ft)        |                     | 50 (0.538)                                     |                        |                              |                                     |                |              |             |             |       |        |  |
| PIPE LENGTH FOR ADDITIONAL GAS m (ft) |                                   |                     |                                                |                        | 30 (98.4)                    |                                     |                |              |             |             |       |        |  |

\*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m³/min.) shall be multiplied by 16.7 and rounded down the decimal point.

\*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.

\*3: Network Impedance shall be applicable for EUROPE and CHINA models.

\*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.

\*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.

\*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

# Simultaneous (Twin) -Type

## 1-1. Unit Specifications

### PEY1

#### 4. Low Silhouette Ducted Type S-36PF1E5A×2 / U-71PEY1E5

|                                       |                                   |                     |                                                |                            |                                        |                                     |                |              |           |        |      |        |   |
|---------------------------------------|-----------------------------------|---------------------|------------------------------------------------|----------------------------|----------------------------------------|-------------------------------------|----------------|--------------|-----------|--------|------|--------|---|
| INDOOR                                |                                   |                     | MODEL                                          |                            | S-36PF1E5A×2                           |                                     |                |              |           |        |      |        |   |
| PANEL                                 |                                   |                     | MODEL                                          |                            | -                                      |                                     |                | -            |           |        |      |        |   |
| OUTDOOR                               |                                   |                     | MODEL                                          |                            |                                        |                                     |                | U-71PEY1E5   |           |        |      |        |   |
| Branch pipe                           |                                   |                     | MODEL                                          |                            |                                        |                                     |                | -            |           |        |      |        |   |
| PERFORMANCE TEST CONDITION            |                                   |                     |                                                |                            | ISO13253 / EN14511 / EN14825 / EN12102 |                                     |                |              |           |        |      |        |   |
| POWER SUPPLY                          |                                   |                     | ø, Hz                                          |                            | 1ø 50Hz                                |                                     |                | 1ø 50Hz      |           |        |      |        |   |
|                                       |                                   |                     | V                                              |                            | 220                                    | 230                                 | 240            | 220          | 230       | 240    | Min  | Max    |   |
| C<br>O<br>O<br>L<br>I<br>N<br>G       | CAPACITY                          |                     | kW                                             |                            | 7.1                                    | 7.1                                 | 7.1            |              |           |        | 2.0  | 7.7    |   |
|                                       |                                   |                     | BTU/h                                          |                            | 24200                                  | 24200                               | 24200          |              |           |        | 6800 | 26300  |   |
|                                       | CURRENT                           |                     | A                                              |                            | 0.6×2                                  | 0.57×2                              | 0.56×2         | 12.2         | 11.7      | 11.2   | -    | -      |   |
|                                       | INPUT POWER                       |                     | W                                              |                            | 70×2                                   | 70×2                                | 70×2           | 2.450k       | 2.450k    | 2.450k | -    | -      |   |
|                                       |                                   |                     | TOTAL W                                        |                            | -                                      |                                     |                | 2.590k       | 2.590k    | 2.590k | 325  | 3.290k |   |
|                                       | ANNUAL CONSUMPTION                |                     | TOTAL kWh ※ 4                                  |                            | -                                      |                                     |                | -            | 1295      | -      | -    | -      |   |
|                                       | EER/EER CLASS                     |                     | TOTAL(W/W)※5("A"~"G")                          |                            | -                                      | -                                   | -              | 2.74         | 2.74 / D  | 2.74   | 6.15 | 2.34   |   |
|                                       | Erp<br>※ 6                        | Pdsign              | kW                                             |                            | -                                      | -                                   | -              | -            | 7.1       | -      |      |        |   |
|                                       |                                   | SEER                | (W/W)                                          |                            | -                                      | -                                   | -              | -            | 5.1       | -      |      |        |   |
|                                       |                                   | Annual consumption  | kWh                                            |                            | -                                      | -                                   | -              | -            | 487       | -      |      |        |   |
|                                       | Class                             |                     |                                                | -                          | -                                      | -                                   | -              | A            | -         |        |      |        |   |
| POWER FACTOR                          |                                   |                     | %                                              |                            | -                                      | -                                   | -              | 91           | 91        | 91     | -    | -      |   |
| NOISE INDOOR                          |                                   |                     | dB-A (H/M/L)                                   |                            | 33/29/25                               |                                     |                |              |           |        |      |        |   |
|                                       |                                   |                     | Power Level dB                                 |                            | 55/51/47                               |                                     |                |              |           |        |      |        |   |
| NOISE OUTDOOR                         |                                   |                     | dB-A (H/L)                                     |                            |                                        |                                     |                | 50/-         |           |        |      |        |   |
|                                       |                                   |                     | Power Level dB                                 |                            |                                        |                                     |                | 70/-         |           |        |      |        |   |
| H<br>E<br>A<br>T<br>I<br>N<br>G       | CAPACITY                          |                     | kW                                             |                            | 7.1                                    | 7.1                                 | 7.1            |              |           |        | 1.8  | 8.1    |   |
|                                       |                                   |                     | BTU/h                                          |                            | 24200                                  | 24200                               | 24200          |              |           |        | 6100 | 27600  |   |
|                                       | CURRENT                           |                     | A                                              |                            | 0.6×2                                  | 0.57×2                              | 0.56×2         | 8.30         | 7.90      | 7.60   | -    | -      |   |
|                                       | INPUT POWER                       |                     | W                                              |                            | 70×2                                   | 70×2                                | 70×2           | 1.680k       | 1.680k    | 1.680k | -    | -      |   |
|                                       |                                   |                     | TOTAL W                                        |                            | -                                      |                                     |                | 1.820k       | 1.820k    | 1.820k | 275  | 2.400k |   |
|                                       | COP/COP CLASS                     |                     | TOTAL(W/W)※5("A"~"G")                          |                            | -                                      | -                                   | -              | 3.90         | 3.90/A    | 3.90   | 6.55 | 3.38   |   |
|                                       | Erp<br>※ 6                        | Pdsign              | kW                                             |                            | -                                      | -                                   | -              | 5.50         | 5.50      | 5.50   |      |        |   |
|                                       |                                   | Tbivalen            | °C                                             |                            | -                                      | -                                   | -              | -            | -7.00     | -      |      |        |   |
|                                       |                                   | SCOP                | (W/W)                                          |                            | -                                      | -                                   | -              | -            | 3.80      | -      |      |        |   |
|                                       |                                   | Annual consumption  | kWh                                            |                            | -                                      | -                                   | -              | -            | 2026      | -      |      |        |   |
|                                       |                                   | Class               |                                                |                            | -                                      | -                                   | -              | -            | A         | -      |      |        |   |
|                                       | POWER FACTOR                      |                     |                                                | %                          |                                        | -                                   | -              | -            | 92        | 92     | 92   | -      | - |
|                                       | NOISE INDOOR                      |                     |                                                | dB-A (H/M/L)               |                                        | 33/29/25                            |                |              | -         |        |      | /      | / |
|                                       |                                   |                     |                                                | Power Level dB             |                                        | 55/51/47                            |                |              | -         |        |      |        |   |
| NOISE OUTDOOR                         |                                   |                     | dB-A (H/L)                                     |                            | -                                      |                                     |                | 52/-         |           |        | /    | /      |   |
|                                       |                                   |                     | Power Level dB                                 |                            | -                                      |                                     |                | 70/-         |           |        |      |        |   |
| EXTRA LOW TEMP                        |                                   |                     | Total CAPACITY(kW)/INPUT POWER(W)/COP          |                            | -                                      |                                     |                | -            |           |        |      |        |   |
| MAX CURRENT(A)/MAX INPUT POWER(W)     |                                   |                     | 0.86×2/105×2                                   |                            | 0.82×2/105×2                           | 0.79×2/105×2                        | 18/3.64k       | 18/3.81k     | 18/3.97k  |        | /    |        |   |
| STARTING CURRENT(A)/COMP OUTPUT(W)    |                                   |                     | -                                              |                            | -                                      | -                                   | 12.2/2.5k      | 11.7/2.5k    | 11.2/2.5k |        | /    |        |   |
| NETWORK IMPEDANCE (ΩMAX.)             |                                   |                     |                                                |                            | -                                      |                                     |                | -            |           |        |      |        |   |
| FM OUTPUT (W)                         |                                   |                     |                                                |                            | 120                                    |                                     |                | 90           |           |        |      | /      |   |
| MOISTURE REMOVAL VOLUME               |                                   |                     | L/h(Pt/h)                                      |                            | 4.2                                    | (2.1×2)                             | (8.8)          | -            |           |        |      |        |   |
| External static pressure              |                                   |                     | Pa                                             |                            | 70 (MIN10 - MAX150)                    |                                     |                |              |           |        |      |        |   |
| I/D AIR FLOW                          | COOL                              | m³/min (ft³/min)    |                                                | [14/13/10 (494/459/353)]×2 |                                        |                                     |                |              |           |        |      |        |   |
|                                       | HEAT                              | m³/min (ft³/min)    |                                                | [14/13/10 (494/459/353)]×2 |                                        |                                     |                |              |           |        |      |        |   |
| O/D AIR FLOW                          | COOL                              | m³/min (ft³/min)    |                                                |                            |                                        |                                     | 39             | (1377)       |           |        |      |        |   |
|                                       | HEAT                              | m³/min (ft³/min)    |                                                |                            |                                        |                                     | 39             | (1377)       |           |        |      |        |   |
| REFRIGERANT TYPE, AMOUNT g(oz)        |                                   |                     |                                                |                            |                                        | R410A                               | 1.70k          | (60.0)       |           | /      |      |        |   |
| P<br>R<br>O<br>M                      | D                                 | HEIGHT : H mm(inch) |                                                | 290 (11-13/32)             |                                        |                                     | 569 (22-13/32) |              |           |        | /    |        |   |
|                                       | I                                 | WIDTH : W mm(inch)  |                                                | 800 (31-1/2)               |                                        |                                     | 790 (31-7/64)  |              |           |        | /    |        |   |
|                                       | M                                 | DEPTH : D mm(inch)  |                                                | 700 (27-9/16)              |                                        |                                     | 285 (11-7/32)  |              |           |        | /    |        |   |
| P<br>A<br>C<br>M                      | D                                 | HEIGHT : H mm       |                                                | 355                        |                                        |                                     | 645            |              |           |        | /    |        |   |
|                                       | I                                 | WIDTH : W mm        |                                                | 1014                       |                                        |                                     | 921            |              |           |        | /    |        |   |
|                                       | M                                 | DEPTH : D mm        |                                                | 850                        |                                        |                                     | 386            |              |           |        | /    |        |   |
| MASS                                  | (NET) kg(lb)                      |                     | 28 (62)                                        |                            |                                        | 42 (93)                             |                |              |           | /      |      |        |   |
|                                       | (GROSS) kg(lb)                    |                     | 35 (78)                                        |                            |                                        | 46 (101)                            |                |              |           | /      |      |        |   |
| LAYERS LIMIT (actually)               |                                   |                     |                                                |                            | 9 (10)                                 |                                     |                | 4 (5)        |           |        |      |        |   |
| Operation Condition                   |                                   |                     | Cool (DBT)                                     |                            | 18°C ~ 32°C                            |                                     |                | -10°C ~ 43°C |           |        |      |        |   |
|                                       |                                   |                     | Heat (DBT)                                     |                            | 16°C ~ 30°C                            |                                     |                | -15°C ~ 24°C |           |        |      |        |   |
| P<br>I<br>P<br>I<br>N<br>G            | PIPE DIAMETER mm (inch)           |                     | (Liquid)ø6.35(1/4) (Gas)ø12.7(1/2)             |                            |                                        | (Liquid)ø9.52(3/8) (Gas)ø15.88(5/8) |                |              |           |        |      |        |   |
|                                       | CONNECT METHOD, STD LENGTH m (ft) |                     | flared type, 5.0(16.4)                         |                            |                                        | flared type, 5.0(16.4)              |                |              |           |        |      |        |   |
|                                       | PIPE LENGTH RANGE m (ft)          |                     | 5 ~ 50 (16.4 ~ 164)                            |                            |                                        |                                     |                |              | ~         | ~      |      |        |   |
|                                       | I/D&O/D HEIGHT DIFFERENCE m (ft)  |                     | 15 (OD located lower) / 30 (OD located higher) |                            |                                        | (49.2/98.4)                         |                |              |           |        |      |        |   |
|                                       | ADD GAS AMOUNT g/m (oz/ft)        |                     | 40 (0.430)                                     |                            |                                        |                                     |                |              |           |        |      |        |   |
| PIPE LENGTH FOR ADDITIONAL GAS m (ft) |                                   |                     |                                                |                            | 20 (65.6)                              |                                     |                |              |           |        |      |        |   |

\*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m³/min.) shall be multiplied by 16.7 and rounded down the decimal point.

\*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.

\*3: Network Impedance shall be applicable for EUROPE and CHINA models.

\*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.

\*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.

\*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

# Simultaneous (Twin) -Type

## 1-1. Unit Specifications

### PEY1

#### 4. Low Silhouette Ducted Type S-50PF1E5A×2 / U-100PEY1E5

|                                                      |                                   |                     |                        |                |                                                |                     |                |                                     |             |             |          |             |        |      |  |  |
|------------------------------------------------------|-----------------------------------|---------------------|------------------------|----------------|------------------------------------------------|---------------------|----------------|-------------------------------------|-------------|-------------|----------|-------------|--------|------|--|--|
| INDOOR                                               |                                   |                     | MODEL                  |                | S-50PF1E5A×2                                   |                     |                |                                     |             |             |          |             |        |      |  |  |
| PANEL                                                |                                   |                     | MODEL                  |                |                                                |                     |                |                                     |             |             |          |             |        |      |  |  |
| OUTDOOR                                              |                                   |                     | MODEL                  |                |                                                |                     |                | U-100PEY1E5                         |             |             |          |             |        |      |  |  |
| Branch pipe                                          |                                   |                     | MODEL                  |                |                                                |                     |                | CZ-P155BK1                          |             |             |          |             |        |      |  |  |
| PERFORMANCE TEST CONDITION                           |                                   |                     |                        |                | ISO13253 / EN14511 / EN14825 / EN12102         |                     |                |                                     |             |             |          |             |        |      |  |  |
| POWER SUPPLY                                         |                                   |                     |                        |                | ø, Hz                                          |                     | 1ø 50Hz        |                                     |             |             | 1ø 50Hz  |             |        |      |  |  |
|                                                      |                                   |                     |                        |                | V                                              |                     | 220            | 230                                 | 240         | 220         | 230      | 240         | Min    | Max  |  |  |
| C<br>O<br>O<br>L<br>I<br>N<br>G                      | CAPACITY                          |                     | kW                     |                | 10.0                                           | 10.0                | 10.0           |                                     |             |             |          | 2.7         | 11.5   |      |  |  |
|                                                      |                                   |                     | BTU/h                  |                | 34100                                          | 34100               | 34100          |                                     |             |             |          | 9200        | 39200  |      |  |  |
|                                                      | CURRENT                           |                     | A                      |                | 0.77×2                                         | 0.74×2              | 0.71×2         | 15.1                                | 14.5        | 13.9        | -        | -           |        |      |  |  |
|                                                      |                                   |                     | W                      |                | 100×2                                          | 100×2               | 100×2          | 3.125k                              | 3.125k      | 3.125k      | -        | -           |        |      |  |  |
|                                                      | INPUT POWER                       |                     | TOTAL W                |                | -                                              |                     |                | 3.325k                              | 3.325k      | 3.325k      | 530      | 4.200k      |        |      |  |  |
|                                                      |                                   |                     | ANNUAL CONSUMPTION     |                | TOTAL kWh ※4                                   |                     | -              |                                     |             | -           | 1663     | -           | -      | -    |  |  |
|                                                      | EER/EER CLASS                     |                     | TOTAL(W/W)※5/(“A”~“G”) |                | -                                              | -                   | -              | 3.01                                | 3.01 / B    | 3.01        | 5.09     | 2.74        |        |      |  |  |
|                                                      |                                   |                     | Pdsign                 |                | kW                                             | -                   | -              | -                                   | -           | 10.0        | -        |             |        |      |  |  |
|                                                      | Erp<br>※6                         | SEER                |                        | (W/W)          | -                                              | -                   | -              | -                                   | 5.4         | -           |          |             |        |      |  |  |
|                                                      |                                   | Annual consumption  |                        | kWh            | -                                              | -                   | -              | -                                   | 648         | -           |          |             |        |      |  |  |
| Class                                                |                                   |                     | -                      | -              | -                                              | -                   | A              | -                                   |             |             |          |             |        |      |  |  |
| POWER FACTOR                                         |                                   | %                   | -                      | -              | -                                              | 94                  | 94             | 94                                  | -           | -           |          |             |        |      |  |  |
| NOISE INDOOR<br>(H/M/L)                              |                                   |                     | dB-A                   |                | 34/30/26                                       |                     |                | -                                   |             |             |          |             |        |      |  |  |
|                                                      |                                   |                     | Power Level dB         |                | 56/52/48                                       |                     |                | -                                   |             |             |          |             |        |      |  |  |
| NOISE OUTDOOR<br>(H/L)                               |                                   |                     | dB-A                   |                |                                                |                     |                | 54/-                                |             |             |          |             |        |      |  |  |
|                                                      |                                   |                     | Power Level dB         |                |                                                |                     |                | 70/-                                |             |             |          |             |        |      |  |  |
| H<br>E<br>A<br>T<br>I<br>N<br>G                      | CAPACITY                          |                     | kW                     |                | 10.0                                           | 10.0                | 10.0           |                                     |             |             |          | 2.1         | 13.8   |      |  |  |
|                                                      |                                   |                     | BTU/h                  |                | 34100                                          | 34100               | 34100          |                                     |             |             |          | 7200        | 47100  |      |  |  |
|                                                      | CURRENT                           |                     | A                      |                | 0.77×2                                         | 0.74×2              | 0.71×2         | 11.8                                | 11.2        | 10.7        | -        | -           |        |      |  |  |
|                                                      |                                   |                     | W                      |                | 100×2                                          | 100×2               | 100×2          | 2.430k                              | 2.430k      | 2.430k      | -        | -           |        |      |  |  |
|                                                      | INPUT POWER                       |                     | TOTAL W                |                | -                                              |                     |                | 2.630k                              | 2.630k      | 2.630k      | 410      | 4.000k      |        |      |  |  |
|                                                      |                                   |                     | COP/COP CLASS          |                | TOTAL(W/W)※5/(“A”~“G”)                         |                     | -              | -                                   | -           | 3.80        | 3.80 / A | 3.80        | 5.12   | 3.45 |  |  |
|                                                      | Erp<br>※6                         | Pdsign              |                        | kW             | -                                              | -                   | -              | -                                   | 9.5         | -           |          |             |        |      |  |  |
|                                                      |                                   | Tbivalen            |                        | °C             | -                                              | -                   | -              | -                                   | -8          | -           |          |             |        |      |  |  |
|                                                      |                                   | SCOP                |                        | (W/W)          | -                                              | -                   | -              | -                                   | 3.8         | -           |          |             |        |      |  |  |
|                                                      |                                   | Annual consumption  |                        | kWh            | -                                              | -                   | -              | -                                   | 3500        | -           |          |             |        |      |  |  |
|                                                      | Class                             |                     |                        | -              | -                                              | -                   | -              | A                                   | -           |             |          |             |        |      |  |  |
|                                                      | POWER FACTOR                      |                     | %                      | -              | -                                              | -                   | 94             | 94                                  | 95          |             |          |             |        |      |  |  |
|                                                      | NOISE INDOOR<br>(H/M/L)           |                     |                        | dB-A           |                                                | 34/30/26            |                |                                     | -           |             |          |             | /      | /    |  |  |
|                                                      |                                   |                     |                        | Power Level dB |                                                | 56/52/48            |                |                                     | -           |             |          |             |        |      |  |  |
|                                                      | NOISE OUTDOOR<br>(H/L)            |                     |                        | dB-A           |                                                | -                   |                |                                     | 54/-        |             |          |             | /      | /    |  |  |
| Power Level dB                                       |                                   |                     |                        | -              |                                                |                     | 70/-           |                                     |             |             |          |             |        |      |  |  |
| EXTRA LOW TEMP Total CAPACITY(kW)/INPUT POWER(W)/COP |                                   |                     |                        |                | -                                              |                     |                |                                     |             |             |          |             |        |      |  |  |
| MAX CURRENT(A)/MAX INPUT POWER(W)                    |                                   |                     |                        |                | 1.00×2/125×2                                   | 0.96×2/125×2        | 0.92×2/125×2   | 25.0/5.300k                         | 25.0/5.500k | 25.0/5.700k | /        |             |        |      |  |  |
| STARTING CURRENT(A)/COMP OUTPUT(W)                   |                                   |                     |                        |                | -                                              | -                   | -              | 15.1/1.7k                           | 14.5/1.7k   | 13.9/1.7k   | /        |             |        |      |  |  |
| NETWORK IMPEDANCE (ΩMAX.)                            |                                   |                     |                        |                | -                                              |                     |                | -                                   |             |             |          |             |        |      |  |  |
| FM OUTPUT (W)                                        |                                   |                     |                        |                | 120×2                                          |                     |                | 90                                  |             |             |          | /           |        |      |  |  |
| MOISTURE REMOVAL VOLUME                              |                                   |                     |                        |                | L/h(Pt/h)                                      | 6.0                 | (3.0×2)        | (12.6)                              | -           |             |          |             |        |      |  |  |
| External static pressure                             |                                   |                     |                        |                | Pa                                             | 70 (MIN10 - MAX150) |                |                                     |             |             |          |             |        |      |  |  |
| I/D AIR FLOW                                         | COOL                              |                     | m³/min (ft³/min)       |                | [16/15/12 (565/530/424)]×2                     |                     |                |                                     |             |             |          |             |        |      |  |  |
|                                                      | HEAT                              |                     | m³/min (ft³/min)       |                | [16/15/12 (565/530/424)]×2                     |                     |                |                                     |             |             |          |             |        |      |  |  |
| O/D AIR FLOW                                         | COOL                              |                     | m³/min (ft³/min)       |                |                                                |                     |                |                                     |             |             |          | 76          | (2684) |      |  |  |
|                                                      | HEAT                              |                     | m³/min (ft³/min)       |                |                                                |                     |                |                                     |             |             |          | 67          | (2366) |      |  |  |
| REFRIGERANT TYPE, AMOUNT g(oz)                       |                                   |                     |                        |                | R410A                                          |                     |                |                                     |             |             |          | 2.60k       | (91.7) | /    |  |  |
| P<br>R<br>I<br>D<br>O<br>M                           | D                                 | HEIGHT : H mm(inch) |                        | 290 (11-13/32) |                                                |                     | 996 (39-7/32)  |                                     |             | /           |          |             |        |      |  |  |
|                                                      |                                   | WIDTH : W mm(inch)  |                        | 800 (31-1/2)   |                                                |                     | 940 (37-1/32)  |                                     |             | /           |          |             |        |      |  |  |
|                                                      |                                   | DEPTH : D mm(inch)  |                        | 700 (27-9/16)  |                                                |                     | 340 (13-13/32) |                                     |             | /           |          |             |        |      |  |  |
| P<br>A<br>C<br>I<br>M                                | D                                 | HEIGHT : H mm       |                        | 355            |                                                |                     | 1136           |                                     |             | /           |          |             |        |      |  |  |
|                                                      |                                   | WIDTH : W mm        |                        | 1014           |                                                |                     | 1055           |                                     |             | /           |          |             |        |      |  |  |
|                                                      |                                   | DEPTH : D mm        |                        | 850            |                                                |                     | 485            |                                     |             | /           |          |             |        |      |  |  |
| MASS                                                 |                                   | (NET) kg(lb)        |                        | 28 (62)        |                                                |                     | 73 (161)       |                                     |             | /           |          |             |        |      |  |  |
|                                                      |                                   | (GROSS) kg(lb)      |                        | 35 (78)        |                                                |                     | 81 (179)       |                                     |             | /           |          |             |        |      |  |  |
| LAYERS LIMIT (actually)                              |                                   |                     |                        |                | 9 (10)                                         |                     |                | 2 (3)                               |             |             |          |             |        |      |  |  |
| Operation Condition                                  |                                   |                     | Cool O.D.(DBT)         |                | 18°C ~ 32°C                                    |                     |                | -10°C ~ 43°C                        |             |             |          |             |        |      |  |  |
|                                                      |                                   |                     | Heat O.D.(DBT)         |                | 16°C ~ 30°C                                    |                     |                | -15°C ~ 24°C                        |             |             |          |             |        |      |  |  |
| P<br>I<br>P<br>E<br>I<br>N<br>G                      | PIPE DIAMETER mm (inch)           |                     |                        |                | (Liquid)ø6.35(1/4) (Gas)ø12.7(1/2)             |                     |                | (Liquid)ø9.52(3/8) (Gas)ø15.88(5/8) |             |             |          |             |        |      |  |  |
|                                                      | CONNECT METHOD, STD LENGTH m (ft) |                     |                        |                | flared type, 5.0(16.4)                         |                     |                | flared type, 5.0(16.4)              |             |             |          |             |        |      |  |  |
|                                                      | PIPE LENGTH RANGE m (ft)          |                     |                        |                | 5 ~ 50 (16.4 ~ 164.0)                          |                     |                |                                     |             |             |          | ~           | ~      |      |  |  |
|                                                      | I/D&O/D HEIGHT DIFFERENCE m (ft)  |                     |                        |                | 15 (OD located lower) / 30 (OD located higher) |                     |                |                                     |             |             |          | (49.2/98.4) |        |      |  |  |
|                                                      | ADD GAS AMOUNT g/m (oz/ft)        |                     |                        |                | 50 (0.538)                                     |                     |                |                                     |             |             |          |             |        |      |  |  |
| PIPE LENGTH FOR ADDITIONAL GAS m (ft)                |                                   |                     |                        |                | 30 (98.4)                                      |                     |                |                                     |             |             |          |             |        |      |  |  |

\*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m³/min.) shall be multiplied by 16.7 and rounded down the decimal point.

\*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.

\*3: Network Impedance shall be applicable for EUROPE and CHINA models.

\*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.

\*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.

# Single-Type

## 1-1. Unit Specifications

### PEY1

#### 4. Low Silhouette Ducted Type S-60PF1E5A / U-60PEY1E5

|                                       |                                   |                     |                                                |                        |                                        |           |                                     |                |          |        |      |        |   |
|---------------------------------------|-----------------------------------|---------------------|------------------------------------------------|------------------------|----------------------------------------|-----------|-------------------------------------|----------------|----------|--------|------|--------|---|
| INDOOR                                |                                   |                     | MODEL                                          |                        | S-60PF1E5A                             |           |                                     |                |          |        |      |        |   |
| PANEL                                 |                                   |                     | MODEL                                          |                        | -                                      |           |                                     | -              |          |        |      |        |   |
| OUTDOOR                               |                                   |                     | MODEL                                          |                        |                                        |           |                                     | U-60PEY1E5     |          |        |      |        |   |
| Branch pipe                           |                                   |                     | MODEL                                          |                        |                                        |           |                                     | -              |          |        |      |        |   |
| PERFORMANCE TEST CONDITION            |                                   |                     |                                                |                        | ISO13253 / EN14511 / EN14825 / EN12102 |           |                                     |                |          |        |      |        |   |
| POWER SUPPLY                          |                                   |                     | ø, Hz                                          |                        | 1ø 50Hz                                |           |                                     | 1ø 50Hz        |          |        |      |        |   |
|                                       |                                   |                     | V                                              |                        | 220                                    | 230       | 240                                 | 220            | 230      | 240    | Min  | Max    |   |
| C<br>O<br>O<br>L<br>I<br>N<br>G       | CAPACITY                          |                     | kW                                             |                        | 6.0                                    | 6.0       | 6.0                                 |                |          |        | 2.0  | 7.0    |   |
|                                       |                                   |                     | BTU/h                                          |                        | 20500                                  | 20500     | 20500                               |                |          |        | 6800 | 23900  |   |
|                                       | CURRENT                           |                     | A                                              |                        | 0.91                                   | 0.89      | 0.87                                | 9.00           | 8.65     | 8.30   | -    | -      |   |
|                                       | INPUT POWER                       |                     | W                                              |                        | 120                                    | 120       | 120                                 | 1.810k         | 1.810k   | 1.810k | -    | -      |   |
|                                       |                                   |                     | TOTAL W                                        |                        | -                                      |           |                                     | 1.930k         | 1.930k   | 1.930k | 325  | 2.850k |   |
|                                       | ANNUAL CONSUMPTION                |                     | TOTAL kWh ※ 4                                  |                        | -                                      |           |                                     | 965            | 965      | 965    | -    | -      |   |
|                                       | EER/EER CLASS                     |                     | TOTAL(W/W)※5("A"~"G")                          |                        | -                                      | -         | -                                   | 3.10           | 3.10 / B | 3.10   | 6.15 | 2.46   |   |
|                                       | Erp<br>※6                         | Pdsign              | kW                                             |                        | -                                      | -         | -                                   | -              | 6.0      | -      |      |        |   |
|                                       |                                   | SEER                | (W/W)                                          |                        | -                                      | -         | -                                   | -              | 5.4      | -      |      |        |   |
|                                       |                                   | Annual consumption  | kWh                                            |                        | -                                      | -         | -                                   | -              | 389      | -      |      |        |   |
| Class                                 |                                   |                     |                                                | -                      | -                                      | -         | -                                   | A              | -        |        |      |        |   |
| POWER FACTOR                          |                                   |                     | %                                              |                        | -                                      | -         | -                                   | 91             | 91       | 91     | -    | -      |   |
| NOISE INDOOR                          |                                   |                     | dB-A (H/M/L)                                   |                        | 35/32/26                               |           |                                     |                |          |        |      |        |   |
|                                       |                                   |                     | Power Level dB                                 |                        | 57/54/48                               |           |                                     |                |          |        |      |        |   |
| NOISE OUTDOOR                         |                                   |                     | dB-A (H/L)                                     |                        |                                        |           |                                     | 46/-           |          |        |      |        |   |
|                                       |                                   |                     | Power Level dB                                 |                        |                                        |           |                                     | 65/-           |          |        |      |        |   |
| H<br>E<br>A<br>T<br>I<br>N<br>G       | CAPACITY                          |                     | kW                                             |                        | 6.0                                    | 6.0       | 6.0                                 |                |          |        | 1.8  | 7.0    |   |
|                                       |                                   |                     | BTU/h                                          |                        | 20500                                  | 20500     | 20500                               |                |          |        | 6100 | 23900  |   |
|                                       | CURRENT                           |                     | A                                              |                        | 0.91                                   | 0.89      | 0.87                                | 6.40           | 6.10     | 5.90   | -    | -      |   |
|                                       | INPUT POWER                       |                     | W                                              |                        | 120                                    | 120       | 120                                 | 1.290k         | 1.290k   | 1.290k | -    | -      |   |
|                                       |                                   |                     | TOTAL W                                        |                        | -                                      |           |                                     | 1.410k         | 1.410k   | 1.410k | 275  | 2.055k |   |
|                                       | COP/COP CLASS                     |                     | TOTAL(W/W)※5("A"~"G")                          |                        | -                                      | -         | -                                   | 4.25           | 4.25 / A | 4.25   | 6.55 | 3.41   |   |
|                                       | Erp<br>※6                         | Pdsign              | kW                                             |                        | -                                      | -         | -                                   | -              | 5.0      | -      |      |        |   |
|                                       |                                   | Tbivalen            | °C                                             |                        | -                                      | -         | -                                   | -              | -9       | -      |      |        |   |
|                                       |                                   | SCOP                | (W/W)                                          |                        | -                                      | -         | -                                   | -              | 3.8      | -      |      |        |   |
|                                       |                                   | Annual consumption  | kWh                                            |                        | -                                      | -         | -                                   | -              | 1842     | -      |      |        |   |
|                                       | Class                             |                     |                                                | -                      | -                                      | -         | -                                   | A              | A        | A      |      |        |   |
|                                       |                                   | POWER FACTOR        |                                                | %                      |                                        | -         | -                                   | -              | 92       | 92     | 91   | -      | - |
|                                       | NOISE INDOOR                      |                     |                                                | dB-A (H/M/L)           |                                        | 35/32/26  |                                     |                | -        |        |      | /      | / |
|                                       |                                   |                     |                                                | Power Level dB         |                                        | 57/54/48  |                                     |                | -        |        |      |        |   |
|                                       | NOISE OUTDOOR                     |                     |                                                | dB-A (H/L)             |                                        | -         |                                     |                | 50/-     |        |      | /      | / |
| Power Level dB                        |                                   |                     |                                                | -                      |                                        |           | 69/-                                |                |          |        |      |        |   |
| EXTRA LOW TEMP                        |                                   |                     | Total CAPACITY(kW)/INPUT POWER(W)/COP          |                        |                                        |           | -                                   |                |          |        |      |        |   |
| MAX CURRENT(A)/MAX INPUT POWER(W)     |                                   |                     | 1.26/160                                       | 1.20/160               | 1.15/160                               | 18/3.64k  | 18/3.77k                            | 18/3.93k       | /        |        |      |        |   |
| STARTING CURRENT(A)/COMP OUTPUT(W)    |                                   |                     | -                                              | -                      | -                                      | 9.00/1.8k | 8.65/1.8k                           | 8.30/1.8k      | /        |        |      |        |   |
| NETWORK IMPEDANCE (ΩMAX.)             |                                   |                     | -                                              |                        |                                        |           | -                                   |                |          |        |      |        |   |
| FM OUTPUT (W)                         |                                   |                     | 120                                            |                        |                                        |           | 90                                  |                |          | /      |      |        |   |
| MOISTURE REMOVAL VOLUME               |                                   |                     | L/h(Pt/h)                                      | 3.4                    | (7.1)                                  | -         |                                     |                |          |        |      |        |   |
| External static pressure              |                                   |                     | Pa                                             | 70 (MIN10 - MAX150)    |                                        |           |                                     |                |          |        |      |        |   |
| I/D AIR FLOW                          | COOL                              | m³/min (ft³/min)    |                                                | 21/19/15 (742/671/530) |                                        |           |                                     |                |          |        |      |        |   |
|                                       | HEAT                              | m³/min (ft³/min)    |                                                | 21/19/15 (742/671/530) |                                        |           |                                     |                |          |        |      |        |   |
| O/D AIR FLOW                          | COOL                              | m³/min (ft³/min)    |                                                |                        |                                        |           |                                     | 30             | (1067)   |        |      |        |   |
|                                       | HEAT                              | m³/min (ft³/min)    |                                                |                        |                                        |           |                                     | 35             | (1229)   |        |      |        |   |
| REFRIGERANT TYPE, AMOUNT g(oz)        |                                   |                     |                                                |                        |                                        |           | R410A                               | 1.70k          | (60.0)   | /      |      |        |   |
| P<br>R<br>O<br>M                      | D                                 | HEIGHT : H mm(inch) |                                                | 290 (11-13/32)         |                                        |           |                                     | 569 (22-13/32) |          | /      |      |        |   |
|                                       | I                                 | WIDTH : W mm(inch)  |                                                | 1000 (39-3/8)          |                                        |           |                                     | 790 (31-7/64)  |          | /      |      |        |   |
|                                       | M                                 | DEPTH : D mm(inch)  |                                                | 700 (27-9/16)          |                                        |           |                                     | 285 (11-7/32)  |          | /      |      |        |   |
| P<br>A<br>C<br>M                      | D                                 | HEIGHT : H mm       |                                                | 355                    |                                        |           |                                     | 645            |          | /      |      |        |   |
|                                       | I                                 | WIDTH : W mm        |                                                | 1214                   |                                        |           |                                     | 921            |          | /      |      |        |   |
|                                       | M                                 | DEPTH : D mm        |                                                | 850                    |                                        |           |                                     | 386            |          | /      |      |        |   |
| MASS                                  | (NET) kg(lb)                      |                     | 33 (73)                                        |                        |                                        |           | 42 (93)                             |                | /        |        |      |        |   |
|                                       | (GROSS) kg(lb)                    |                     | 41 (91)                                        |                        |                                        |           | 46 (101)                            |                | /        |        |      |        |   |
| LAYERS LIMIT (actually)               |                                   |                     | 9 (10)                                         |                        |                                        |           | 4 (5)                               |                |          |        |      |        |   |
| Operation Condition                   |                                   |                     | Cool (DBT)                                     |                        | 18°C ~ 32°C                            |           |                                     | -10°C ~ 43°C   |          |        |      |        |   |
|                                       |                                   |                     | Heat (DBT)                                     |                        | 16°C ~ 30°C                            |           |                                     | -15°C ~ 24°C   |          |        |      |        |   |
| P<br>I<br>P<br>I<br>N<br>G            | PIPE DIAMETER mm (inch)           |                     | (Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)            |                        |                                        |           | (Liquid)ø9.52(3/8) (Gas)ø15.88(5/8) |                |          |        |      |        |   |
|                                       | CONNECT METHOD, STD LENGTH m (ft) |                     | flared type, 5.0(16.4)                         |                        |                                        |           | flared type, 5.0(16.4)              |                |          |        |      |        |   |
|                                       | PIPE LENGTH RANGE m (ft)          |                     | 5 ~ 50 (16.4 ~ 164)                            |                        |                                        |           |                                     |                |          |        | ~    | ~      |   |
|                                       | I/D&O/D HEIGHT DIFFERENCE m (ft)  |                     | 15 (OD located lower) / 30 (OD located higher) |                        |                                        |           | (49.2/98.4)                         |                |          |        |      |        |   |
|                                       | ADD GAS AMOUNT g/m (oz/ft)        |                     | 40 (0.430)                                     |                        |                                        |           |                                     |                |          |        |      |        |   |
| PIPE LENGTH FOR ADDITIONAL GAS m (ft) |                                   |                     | 20 (65.6)                                      |                        |                                        |           |                                     |                |          |        |      |        |   |

\*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m³/min.) shall be multiplied by 16.7 and rounded down the decimal point.

\*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.

\*3: Network Impedance shall be applicable for EUROPE and CHINA models.

\*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.

\*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.

\*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

# Simultaneous (Twin) -Type

## 1-1. Unit Specifications

### PEY1

#### 4. Low Silhouette Ducted Type S-60PF1E5A×2 / U-125PEY1E5

|                                                      |                                   |                     |                        |                |                                                |                     |                |                                     |             |             |       |        |   |
|------------------------------------------------------|-----------------------------------|---------------------|------------------------|----------------|------------------------------------------------|---------------------|----------------|-------------------------------------|-------------|-------------|-------|--------|---|
| INDOOR                                               |                                   |                     | MODEL                  |                | S-60PF1E5A×2                                   |                     |                |                                     |             |             |       |        |   |
| PANEL                                                |                                   |                     | MODEL                  |                |                                                |                     |                |                                     |             |             |       |        |   |
| OUTDOOR                                              |                                   |                     | MODEL                  |                |                                                |                     |                | U-125PEY1E5                         |             |             |       |        |   |
| Branch pipe                                          |                                   |                     | MODEL                  |                |                                                |                     |                | CZ-P155BK1                          |             |             |       |        |   |
| PERFORMANCE TEST CONDITION                           |                                   |                     |                        |                | ISO13253 / EN14511 / EN12102                   |                     |                |                                     |             |             |       |        |   |
| POWER SUPPLY                                         |                                   |                     | ø, Hz                  |                | 1ø 50Hz                                        |                     |                | 1ø 50Hz                             |             |             |       |        |   |
|                                                      |                                   |                     | V                      |                | 220                                            | 230                 | 240            | 220                                 | 230         | 240         | Min   | Max    |   |
| C<br>O<br>O<br>L<br>I<br>N<br>G                      | CAPACITY                          |                     | kW                     |                | 12.5                                           | 12.5                | 12.5           |                                     |             |             | 3.8   | 13.5   |   |
|                                                      |                                   |                     | BTU/h                  |                | 42700                                          | 42700               | 42700          |                                     |             |             | 13000 | 46100  |   |
|                                                      | CURRENT                           |                     | A                      |                | 0.91×2                                         | 0.89×2              | 0.87×2         | 18.8                                | 18.0        | 17.2        | -     | -      |   |
|                                                      | INPUT POWER                       |                     | W                      |                | 120×2                                          | 120×2               | 120×2          | 3.885k                              | 3.885k      | 3.885k      | -     | -      |   |
|                                                      |                                   |                     | TOTAL W                |                | -                                              |                     |                | 4.125k                              | 4.125k      | 4.125k      | 900   | 5.000k |   |
|                                                      | ANNUAL CONSUMPTION                |                     | TOTAL kWh ※4           |                | -                                              |                     |                | -                                   | 2063        | -           | -     | -      |   |
|                                                      | EER/EER CLASS                     |                     | TOTAL(W/W)※5/(“A”~“G”) |                | -                                              | -                   | -              | 3.03                                | 3.03 / B    | 3.03        | 4.22  | 2.70   |   |
|                                                      | Erp<br>※6                         | Pdsign              |                        | kW             |                                                | -                   | -              | -                                   | -           | -           | -     |        |   |
|                                                      |                                   | SEER                |                        | (W/W)          |                                                | -                   | -              | -                                   | -           | -           | -     |        |   |
|                                                      |                                   | Annual consumption  |                        | kWh            |                                                | -                   | -              | -                                   | -           | -           | -     |        |   |
| Class                                                |                                   |                     |                        | -              | -                                              | -                   | -              | -                                   | -           |             |       |        |   |
| POWER FACTOR                                         |                                   |                     | %                      |                | -                                              | -                   | -              | 94                                  | 94          | 94          | -     | -      |   |
| NOISE INDOOR<br>(H/M/L)                              |                                   |                     | dB-A                   |                | 35/32/26                                       |                     |                | -                                   |             |             |       |        |   |
|                                                      |                                   |                     | Power Level dB         |                | 57/54/48                                       |                     |                | -                                   |             |             |       |        |   |
| NOISE OUTDOOR<br>(H/L)                               |                                   |                     | dB-A                   |                |                                                |                     |                | 56/-                                |             |             |       |        |   |
|                                                      |                                   |                     | Power Level dB         |                |                                                |                     |                | 73/-                                |             |             |       |        |   |
| H<br>E<br>A<br>T<br>I<br>N<br>G                      | CAPACITY                          |                     | kW                     |                | 12.5                                           | 12.5                | 12.5           |                                     |             |             | 3.4   | 15.0   |   |
|                                                      |                                   |                     | BTU/h                  |                | 42700                                          | 42700               | 42700          |                                     |             |             | 11600 | 51200  |   |
|                                                      | CURRENT                           |                     | A                      |                | 0.91×2                                         | 0.89×2              | 0.87×2         | 14.6                                | 14.0        | 13.4        | -     | -      |   |
|                                                      | INPUT POWER                       |                     | W                      |                | 120×2                                          | 120×2               | 120×2          | 3.060k                              | 3.060k      | 3.060k      | -     | -      |   |
|                                                      |                                   |                     | TOTAL W                |                | -                                              |                     |                | 3.300k                              | 3.300k      | 3.300k      | 730   | 4.400k |   |
|                                                      | COP/COP CLASS                     |                     | TOTAL(W/W)※5/(“A”~“G”) |                | -                                              | -                   | -              | 3.79                                | 3.79 / A    | 3.79        | 4.66  | 3.41   |   |
|                                                      | Erp<br>※6                         | Pdsign              |                        | kW             |                                                | -                   | -              | -                                   | -           | -           | -     |        |   |
|                                                      |                                   | Tbivalen            |                        | °C             |                                                | -                   | -              | -                                   | -           | -           | -     |        |   |
|                                                      |                                   | SCOP                |                        | (W/W)          |                                                | -                   | -              | -                                   | -           | -           | -     |        |   |
|                                                      |                                   | Annual consumption  |                        | kWh            |                                                | -                   | -              | -                                   | -           | -           | -     |        |   |
|                                                      | Class                             |                     |                        |                | -                                              | -                   | -              | -                                   | -           | -           | -     |        |   |
|                                                      | POWER FACTOR                      |                     |                        | %              |                                                | -                   | -              | -                                   | 95          | 95          | 95    | -      | - |
|                                                      | NOISE INDOOR<br>(H/M/L)           |                     |                        | dB-A           |                                                | 35/32/26            |                |                                     | -           |             |       | /      | / |
|                                                      |                                   |                     |                        | Power Level dB |                                                | 57/54/48            |                |                                     | -           |             |       |        |   |
|                                                      | NOISE OUTDOOR<br>(H/L)            |                     |                        | dB-A           |                                                | -                   |                |                                     | 56/-        |             |       | /      | / |
| Power Level dB                                       |                                   |                     |                        | -              |                                                |                     | 73/-           |                                     |             |             |       |        |   |
| EXTRA LOW TEMP Total CAPACITY(kW)/INPUT POWER(W)/COP |                                   |                     |                        |                | -                                              |                     |                |                                     |             |             |       |        |   |
| MAX CURRENT(A)/MAX INPUT POWER(W)                    |                                   |                     |                        |                | 1.26×2/160×2                                   | 1.20×2/160×2        | 1.15×2/160×2   | 29.0/6.000k                         | 29.0/6.300k | 29.0/6.600k | /     | /      |   |
| STARTING CURRENT(A)/COMP OUTPUT(W)                   |                                   |                     |                        |                | -                                              | -                   | -              | 18.8/3.0k                           | 18.0/3.0k   | 17.2/3.0k   | /     | /      |   |
| NETWORK IMPEDANCE (ΩMAX.)                            |                                   |                     |                        |                | -                                              |                     |                | -                                   |             |             |       |        |   |
| FM OUTPUT (W)                                        |                                   |                     |                        |                | 120×2                                          |                     |                | 90                                  |             |             | /     | /      |   |
| MOISTURE REMOVAL VOLUME                              |                                   |                     |                        |                | L/h(Pt/h)                                      | 7.9                 | (3.95×2)       | (16.6)                              | -           |             |       |        |   |
| External static pressure                             |                                   |                     |                        |                | Pa                                             | 70 (MIN10 - MAX150) |                |                                     |             |             |       |        |   |
| I/D AIR FLOW                                         | COOL                              |                     | m³/min (ft³/min)       |                | [21/19/15 (742/671/530)]×2                     |                     |                |                                     |             |             |       |        |   |
|                                                      | HEAT                              |                     | m³/min (ft³/min)       |                | [21/19/15 (742/671/530)]×2                     |                     |                |                                     |             |             |       |        |   |
| O/D AIR FLOW                                         | COOL                              |                     | m³/min (ft³/min)       |                |                                                |                     |                | 80                                  | (2825)      |             |       |        |   |
|                                                      | HEAT                              |                     | m³/min (ft³/min)       |                |                                                |                     |                | 73                                  | (2578)      |             |       |        |   |
| REFRIGERANT TYPE, AMOUNT g(oz)                       |                                   |                     |                        |                |                                                |                     |                | R410A                               | 3.20k       | (112.9)     | /     | /      |   |
| P<br>R<br>I<br>O<br>M                                | D                                 | HEIGHT : H mm(inch) |                        | 290 (11-13/32) |                                                |                     | 996 (39-7/32)  |                                     |             | /           | /     |        |   |
|                                                      | I                                 | WIDTH : W mm(inch)  |                        | 1000 (39-3/8)  |                                                |                     | 940 (37-1/32)  |                                     |             | /           | /     |        |   |
|                                                      | M                                 | DEPTH : D mm(inch)  |                        | 700 (27-9/16)  |                                                |                     | 340 (13-13/32) |                                     |             | /           | /     |        |   |
| P<br>A<br>I<br>C<br>M                                | D                                 | HEIGHT : H mm       |                        | 355            |                                                |                     | 1136           |                                     |             | /           | /     |        |   |
|                                                      | I                                 | WIDTH : W mm        |                        | 1214           |                                                |                     | 1055           |                                     |             | /           | /     |        |   |
|                                                      | M                                 | DEPTH : D mm        |                        | 850            |                                                |                     | 485            |                                     |             | /           | /     |        |   |
| MASS                                                 | (NET) kg(lb)                      |                     | 33 (73)                |                |                                                | 85 (187)            |                |                                     | /           | /           |       |        |   |
|                                                      | (GROSS) kg(lb)                    |                     | 41 (91)                |                |                                                | 93 (205)            |                |                                     | /           | /           |       |        |   |
| LAYERS LIMIT (actually)                              |                                   |                     |                        |                | 9 (10)                                         |                     |                | 2 (3)                               |             |             |       |        |   |
| Operation Condition                                  |                                   |                     | Cool O.D(DBT)          |                | 18°C ~ 32°C                                    |                     |                | -10°C ~ 43°C                        |             |             |       |        |   |
|                                                      |                                   |                     | Heat O.D(DBT)          |                | 16°C ~ 30°C                                    |                     |                | -15°C ~ 24°C                        |             |             |       |        |   |
| P<br>I<br>P<br>I<br>N<br>G                           | PIPE DIAMETER mm (inch)           |                     |                        |                | (Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)            |                     |                | (Liquid)ø9.52(3/8) (Gas)ø15.88(5/8) |             |             |       |        |   |
|                                                      | CONNECT METHOD, STD LENGTH m (ft) |                     |                        |                | flared type, 5.0(16.4)                         |                     |                | flared type, 5.0(16.4)              |             |             |       |        |   |
|                                                      | PIPE LENGTH RANGE m (ft)          |                     |                        |                | 5 ~ 50 (16.4 ~ 164.0)                          |                     |                |                                     |             |             | ~     | ~      |   |
|                                                      | I/D&O/D HEIGHT DIFFERENCE m (ft)  |                     |                        |                | 15 (OD located lower) / 30 (OD located higher) |                     |                | (49.2/98.4)                         |             |             |       |        |   |
|                                                      | ADD GAS AMOUNT g/m (oz/ft)        |                     |                        |                | 50 (0.538)                                     |                     |                |                                     |             |             |       |        |   |
| PIPE LENGTH FOR ADDITIONAL GAS m (ft)                |                                   |                     |                        |                | 30 (98.4)                                      |                     |                |                                     |             |             |       |        |   |

\*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m³/min.) shall be multiplied by 16.7 and rounded down the decimal point.

\*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.

\*3: Network Impedance shall be applicable for EUROPE and CHINA models.

\*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.

\*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.

# Single-Type

## 1-1. Unit Specifications

### PEY1

#### 4. Low Silhouette Ducted Type S-71PF1E5A / U-71PEY1E5

|                                       |                                   |                     |                                                |                        |                                        |          |                                     |              |           |        |      |        |   |
|---------------------------------------|-----------------------------------|---------------------|------------------------------------------------|------------------------|----------------------------------------|----------|-------------------------------------|--------------|-----------|--------|------|--------|---|
| INDOOR                                |                                   |                     | MODEL                                          |                        | S-71PF1E5A                             |          |                                     |              |           |        |      |        |   |
| PANEL                                 |                                   |                     | MODEL                                          |                        | -                                      |          |                                     | -            |           |        |      |        |   |
| OUTDOOR                               |                                   |                     | MODEL                                          |                        |                                        |          |                                     | U-71PEY1E5   |           |        |      |        |   |
| Branch pipe                           |                                   |                     | MODEL                                          |                        |                                        |          |                                     | -            |           |        |      |        |   |
| PERFORMANCE TEST CONDITION            |                                   |                     |                                                |                        | ISO13253 / EN14511 / EN14825 / EN12102 |          |                                     |              |           |        |      |        |   |
| POWER SUPPLY                          |                                   |                     | ø, Hz                                          |                        | 1ø 50Hz                                |          |                                     | 1ø 50Hz      |           |        |      |        |   |
|                                       |                                   |                     | V                                              |                        | 220                                    | 230      | 240                                 | 220          | 230       | 240    | Min  | Max    |   |
| C<br>O<br>O<br>L<br>I<br>N<br>G       | CAPACITY                          |                     | kW                                             |                        | 7.1                                    | 7.1      | 7.1                                 |              |           |        | 2.0  | 7.7    |   |
|                                       |                                   |                     | BTU/h                                          |                        | 24200                                  | 24200    | 24200                               |              |           |        | 6800 | 26300  |   |
|                                       | CURRENT                           |                     | A                                              |                        | 0.91                                   | 0.89     | 0.87                                | 12.2         | 11.7      | 11.2   | -    | -      |   |
|                                       | INPUT POWER                       |                     | W                                              |                        | 120                                    | 120      | 120                                 | 2.450k       | 2.450k    | 2.450k | -    | -      |   |
|                                       |                                   |                     | TOTAL W                                        |                        | -                                      |          |                                     | 2.570k       | 2.570k    | 2.570k | 325  | 3.270k |   |
|                                       | ANNUAL CONSUMPTION                |                     | TOTAL kWh ※ 4                                  |                        | -                                      |          |                                     | 1285         | 1285      | 1285   | -    | -      |   |
|                                       | EER/EER CLASS                     |                     | TOTAL(W/W)※5("A"~"G")                          |                        | -                                      | -        | -                                   | 2.76         | 2.76 / D  | 2.76   | 6.15 | 2.35   |   |
|                                       | Erp<br>※6                         | Pdsign              | kW                                             | -                      | -                                      | -        | -                                   | 7.1          | -         |        |      |        |   |
|                                       |                                   | SEER                | (W/W)                                          | -                      | -                                      | -        | -                                   | 5.3          | -         |        |      |        |   |
|                                       |                                   | Annual consumption  | kWh                                            | -                      | -                                      | -        | -                                   | 469          | -         |        |      |        |   |
|                                       |                                   | Class               |                                                | -                      | -                                      | -        | -                                   | A            | -         |        |      |        |   |
| POWER FACTOR                          |                                   |                     | %                                              |                        | -                                      | -        | -                                   | 91           | 91        | 91     | -    | -      |   |
| NOISE INDOOR                          |                                   |                     | dB-A (H/M/L)                                   |                        | 35/32/26                               |          |                                     |              |           |        |      |        |   |
|                                       |                                   |                     | Power Level dB                                 |                        | 57/54/48                               |          |                                     |              |           |        |      |        |   |
| NOISE OUTDOOR                         |                                   |                     | dB-A (H/L)                                     |                        |                                        |          |                                     | 50/-         |           |        |      |        |   |
|                                       |                                   |                     | Power Level dB                                 |                        |                                        |          |                                     | 70/-         |           |        |      |        |   |
| H<br>E<br>A<br>T<br>I<br>N<br>G       | CAPACITY                          |                     | kW                                             |                        | 7.1                                    | 7.1      | 7.1                                 |              |           |        | 1.8  | 8.1    |   |
|                                       |                                   |                     | BTU/h                                          |                        | 24200                                  | 24200    | 24200                               |              |           |        | 6100 | 27600  |   |
|                                       | CURRENT                           |                     | A                                              |                        | 0.91                                   | 0.89     | 0.87                                | 8.30         | 7.90      | 7.60   | -    | -      |   |
|                                       | INPUT POWER                       |                     | W                                              |                        | 120                                    | 120      | 120                                 | 1.680k       | 1.680k    | 1.680k | -    | -      |   |
|                                       |                                   |                     | TOTAL W                                        |                        | -                                      |          |                                     | 1.800k       | 1.800k    | 1.800k | 275  | 2.380k |   |
|                                       | COP/COP CLASS                     |                     | TOTAL(W/W)※5("A"~"G")                          |                        | -                                      | -        | -                                   | 3.94         | 3.94 / A  | 3.94   | 6.55 | 3.40   |   |
|                                       | Erp<br>※6                         | Pdsign              | kW                                             | -                      | -                                      | -        | -                                   | 5.5          | -         |        |      |        |   |
|                                       |                                   | Tbivalen            | °C                                             | -                      | -                                      | -        | -                                   | -7           | -         |        |      |        |   |
|                                       |                                   | SCOP                | (W/W)                                          | -                      | -                                      | -        | -                                   | 3.8          | -         |        |      |        |   |
|                                       |                                   | Annual consumption  | kWh                                            | -                      | -                                      | -        | -                                   | 2026         | -         |        |      |        |   |
|                                       |                                   | Class               |                                                | -                      | -                                      | -        | -                                   | A            | -         |        |      |        |   |
|                                       | POWER FACTOR                      |                     |                                                | %                      |                                        | -        | -                                   | -            | 92        | 92     | 92   | -      | - |
|                                       | NOISE INDOOR                      |                     |                                                | dB-A (H/M/L)           |                                        | 35/32/26 |                                     |              | -         |        |      | /      | / |
|                                       |                                   |                     |                                                | Power Level dB         |                                        | 57/54/48 |                                     |              | -         |        |      |        |   |
|                                       | NOISE OUTDOOR                     |                     |                                                | dB-A (H/L)             |                                        | -        |                                     |              | 52/-      |        |      | /      | / |
| Power Level dB                        |                                   |                     |                                                | -                      |                                        |          | 70/-                                |              |           |        |      |        |   |
| EXTRA LOW TEMP                        |                                   |                     | Total CAPACITY(kW)/INPUT POWER(W)/COP          |                        |                                        |          |                                     | -            |           |        |      |        |   |
| MAX CURRENT(A)/MAX INPUT POWER(W)     |                                   |                     | 1.26/160                                       |                        | 1.20/160                               | 1.15/160 | 18/3.64k                            | 18/3.81k     | 18/3.97k  | /      |      |        |   |
| STARTING CURRENT(A)/COMP OUTPUT(W)    |                                   |                     | -                                              |                        | -                                      | -        | 12.2/2.5k                           | 11.7/2.5k    | 11.2/2.5k | /      |      |        |   |
| NETWORK IMPEDANCE (ΩMAX.)             |                                   |                     |                                                |                        | -                                      |          |                                     | -            |           |        |      |        |   |
| FM OUTPUT (W)                         |                                   |                     |                                                |                        | 120                                    |          |                                     | 90           |           |        | /    |        |   |
| MOISTURE REMOVAL VOLUME               |                                   |                     | L/h(Pt/h)                                      |                        | 4.2                                    | (8.8)    |                                     | -            |           |        |      |        |   |
| External static pressure              |                                   |                     | Pa                                             |                        | -                                      |          |                                     |              |           |        |      |        |   |
| I/D AIR FLOW                          | COOL                              | m³/min (ft³/min)    |                                                | 21/19/15 (742/671/530) |                                        |          |                                     |              |           |        |      |        |   |
|                                       | HEAT                              | m³/min (ft³/min)    |                                                | 21/19/15 (742/671/530) |                                        |          |                                     |              |           |        |      |        |   |
| O/D AIR FLOW                          | COOL                              | m³/min (ft³/min)    |                                                |                        |                                        |          | 39                                  | (1377)       |           |        |      |        |   |
|                                       | HEAT                              | m³/min (ft³/min)    |                                                |                        |                                        |          | 39                                  | (1377)       |           |        |      |        |   |
| REFRIGERANT TYPE, AMOUNT g(oz)        |                                   |                     |                                                |                        |                                        | R410A    |                                     |              | 1.70k     | (60.0) | /    |        |   |
| P<br>R<br>I<br>O<br>R<br>I<br>T<br>Y  | D                                 | HEIGHT : H mm(inch) |                                                | 290 (11-13/32)         |                                        |          | 569 (22-13/32)                      |              |           | /      |      |        |   |
|                                       | I                                 | WIDTH : W mm(inch)  |                                                | 1000 (39-3/8)          |                                        |          | 790 (31-7/64)                       |              |           | /      |      |        |   |
|                                       | M                                 | DEPTH : D mm(inch)  |                                                | 700 (27-9/16)          |                                        |          | 285 (11-7/32)                       |              |           | /      |      |        |   |
| P<br>A<br>C<br>K<br>I<br>N<br>G       | D                                 | HEIGHT : H mm       |                                                | 355                    |                                        |          | 645                                 |              |           | /      |      |        |   |
|                                       | I                                 | WIDTH : W mm        |                                                | 1214                   |                                        |          | 921                                 |              |           | /      |      |        |   |
|                                       | M                                 | DEPTH : D mm        |                                                | 850                    |                                        |          | 386                                 |              |           | /      |      |        |   |
| MASS                                  | (NET) kg(lb)                      |                     | 33 (73)                                        |                        |                                        | 42 (93)  |                                     |              | /         |        |      |        |   |
|                                       | (GROSS) kg(lb)                    |                     | 41 (91)                                        |                        |                                        | 46 (101) |                                     |              | /         |        |      |        |   |
| LAYERS LIMIT (actually)               |                                   |                     |                                                |                        | 9 (10)                                 |          | 4 (5)                               |              |           |        |      |        |   |
| Operation Condition                   |                                   |                     | Cool (DBT)                                     |                        | 18°C ~ 32°C                            |          |                                     | -10°C ~ 43°C |           |        |      |        |   |
|                                       |                                   |                     | Heat (DBT)                                     |                        | 16°C ~ 30°C                            |          |                                     | -15°C ~ 24°C |           |        |      |        |   |
| P<br>I<br>P<br>E<br>I<br>N<br>G       | PIPE DIAMETER mm (inch)           |                     | (Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)            |                        |                                        |          | (Liquid)ø9.52(3/8) (Gas)ø15.88(5/8) |              |           |        |      |        |   |
|                                       | CONNECT METHOD, STD LENGTH m (ft) |                     | flared type, 5.0(16.4)                         |                        |                                        |          | flared type, 5.0(16.4)              |              |           |        |      |        |   |
|                                       | PIPE LENGTH RANGE m (ft)          |                     | 5 ~ 50 (16.4 ~ 164)                            |                        |                                        |          |                                     |              |           |        | ~    | ~      |   |
|                                       | I/D&O/D HEIGHT DIFFERENCE m (ft)  |                     | 15 (OD located lower) / 30 (OD located higher) |                        |                                        |          | (49.2/98.4)                         |              |           |        |      |        |   |
|                                       | ADD GAS AMOUNT g/m (oz/ft)        |                     | 40 (0.430)                                     |                        |                                        |          |                                     |              |           |        |      |        |   |
| PIPE LENGTH FOR ADDITIONAL GAS m (ft) |                                   |                     | 20 (65.6)                                      |                        |                                        |          |                                     |              |           |        |      |        |   |

\*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m³/min.) shall be multiplied by 16.7 and rounded down the decimal point.

\*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.

\*3: Network Impedance shall be applicable for EUROPE and CHINA models.

\*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.

\*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.

\*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

# Single -Type

## 1-1. Unit Specifications

### PEY1

#### 4. Low Silhouette Ducted Type S-100PF1E5A / U-100PEY1E5

| INDOOR                                |                                   |                     | MODEL                                          |                                       | S-100PF1E5A |                                     |             |             |          |        |      |        |
|---------------------------------------|-----------------------------------|---------------------|------------------------------------------------|---------------------------------------|-------------|-------------------------------------|-------------|-------------|----------|--------|------|--------|
| PANEL                                 |                                   |                     | MODEL                                          |                                       |             |                                     |             |             |          |        |      |        |
| OUTDOOR                               |                                   |                     | MODEL                                          |                                       |             |                                     |             | U-100PEY1E5 |          |        |      |        |
| Branch pipe                           |                                   |                     | MODEL                                          |                                       |             |                                     |             | -           |          |        |      |        |
| PERFORMANCE TEST CONDITION            |                                   |                     | ISO13253 / EN14511 / EN14825 / EN12102         |                                       |             |                                     |             |             |          |        |      |        |
| POWER SUPPLY                          |                                   |                     | ø, Hz                                          |                                       | 1ø 50Hz     |                                     |             | 1ø 50Hz     |          |        |      |        |
|                                       |                                   |                     | V                                              |                                       | 220         | 230                                 | 240         | 220         | 230      | 240    | Min  | Max    |
| C O O L I N G                         | CAPACITY                          |                     | kW                                             |                                       | 10.0        | 10.0                                | 10.0        |             |          |        | 2.7  | 11.5   |
|                                       |                                   |                     | BTU/h                                          |                                       | 34100       | 34100                               | 34100       |             |          |        | 9200 | 39200  |
|                                       | CURRENT                           |                     | A                                              |                                       | 1.35        | 1.30                                | 1.27        | 15.1        | 14.5     | 13.9   | -    | -      |
|                                       | INPUT POWER                       |                     | W                                              |                                       | 195         | 195                                 | 195         | 3.125k      | 3.125k   | 3.125k | -    | -      |
|                                       |                                   |                     | TOTAL W                                        |                                       |             |                                     |             | 3.320k      | 3.320k   | 3.320k | 530  | 4.200k |
|                                       | ANNUAL CONSUMPTION                |                     | TOTAL kWh ※4                                   |                                       |             |                                     |             | -           | 1660     | -      | -    | -      |
|                                       | EER/EER CLASS                     |                     | TOTAL(W/W)※5("A"~"G")                          |                                       | -           | -                                   | -           | 3.01        | 3.01 / B | 3.01   | 5.09 | 2.74   |
|                                       | Erp<br>※6                         | Pdsign              | kW                                             |                                       | -           | -                                   | -           | -           | 10.0     | -      |      |        |
|                                       |                                   | SEER                | (W/W)                                          |                                       | -           | -                                   | -           | -           | 5.4      | -      |      |        |
|                                       |                                   | Annual consumption  | kWh                                            |                                       | -           | -                                   | -           | -           | 648      | -      |      |        |
|                                       |                                   | Class               |                                                |                                       | -           | -                                   | -           | -           | A        | -      |      |        |
| POWER FACTOR                          |                                   | %                   |                                                | -                                     | -           | -                                   | 94          | 94          | 94       | -      | -    |        |
| NOISE INDOOR (H/M/L)                  |                                   | dB-A                |                                                | 38/34/31                              |             |                                     |             |             |          |        |      |        |
|                                       |                                   | Power Level dB      |                                                | 60/56/53                              |             |                                     |             |             |          |        |      |        |
| NOISE OUTDOOR (H/L)                   |                                   | dB-A                |                                                |                                       |             |                                     | 54/-        |             |          |        |      |        |
|                                       |                                   | Power Level dB      |                                                |                                       |             |                                     | 70/-        |             |          |        |      |        |
| H E A T I N G                         | CAPACITY                          |                     | kW                                             |                                       | 10.0        | 10.0                                | 10.0        |             |          |        | 2.1  | 13.8   |
|                                       |                                   |                     | BTU/h                                          |                                       | 34100       | 34100                               | 34100       |             |          |        | 7200 | 47100  |
|                                       | CURRENT                           |                     | A                                              |                                       | 1.37        | 1.34                                | 1.29        | 11.8        | 11.2     | 10.7   | -    | -      |
|                                       | INPUT POWER                       |                     | W                                              |                                       | 200         | 200                                 | 200         | 2.430k      | 2.430k   | 2.430k | -    | -      |
|                                       |                                   |                     | TOTAL W                                        |                                       |             |                                     |             | 2.630k      | 2.630k   | 2.630k | 410  | 4.000k |
|                                       | COP/COP CLASS                     |                     | TOTAL(W/W)※5("A"~"G")                          |                                       | -           | -                                   | -           | 3.80        | 3.80 / A | 3.80   | 5.12 | 3.45   |
|                                       | Erp<br>※6                         | Pdsign              | kW                                             |                                       | -           | -                                   | -           | -           | 9.5      | -      |      |        |
|                                       |                                   | Tbivalen            | °C                                             |                                       | -           | -                                   | -           | -           | -8       | -      |      |        |
|                                       |                                   | SCOP                | (W/W)                                          |                                       | -           | -                                   | -           | -           | 3.8      | -      |      |        |
|                                       |                                   | Annual consumption  | kWh                                            |                                       | -           | -                                   | -           | -           | 3500     | -      |      |        |
|                                       |                                   | Class               |                                                |                                       | -           | -                                   | -           | -           | A        | -      |      |        |
|                                       | POWER FACTOR                      |                     | %                                              |                                       | -           | -                                   | -           | 94          | 94       | 95     | -    | -      |
|                                       | NOISE INDOOR (H/M/L)              |                     | dB-A                                           |                                       | 38/34/31    |                                     |             |             |          |        | /    | /      |
|                                       |                                   |                     | Power Level dB                                 |                                       | 60/56/53    |                                     |             |             |          |        |      |        |
|                                       | NOISE OUTDOOR (H/L)               |                     | dB-A                                           |                                       |             |                                     |             | 54/-        |          |        | /    | /      |
|                                       |                                   |                     | Power Level dB                                 |                                       |             |                                     |             | 70/-        |          |        |      |        |
|                                       | EXTRA LOW TEMP                    |                     |                                                | Total CAPACITY(kW)/INPUT POWER(W)/COP |             |                                     | -           |             |          |        |      |        |
| MAX CURRENT(A)/MAX INPUT POWER(W)     |                                   |                     | 1.80/265                                       | 1.75/265                              | 1.70/265    | 25.0/5.300k                         | 25.0/5.500k | 25.0/5.700k | /        |        |      |        |
| STARTING CURRENT(A)/COMP OUTPUT(W)    |                                   |                     | -                                              | -                                     | -           | 15.1/1.7k                           | 14.5/1.7k   | 13.9/1.7k   | /        |        |      |        |
| NETWORK IMPEDANCE (ΩMAX.)             |                                   |                     | -                                              |                                       |             | -                                   |             |             |          |        |      |        |
| FM OUTPUT (W)                         |                                   |                     | 200                                            |                                       |             | 90                                  |             |             | /        |        |      |        |
| MOISTURE REMOVAL VOLUME               |                                   |                     | L/h(Pt/h)                                      | 6.0                                   | (12.6)      | -                                   |             |             |          |        |      |        |
| External static pressure              |                                   |                     | Pa                                             | 100 (MIN10 - MAX150)                  |             |                                     |             |             |          |        |      |        |
| I/D AIR FLOW                          | COOL                              | m³/min (ft³/min)    | 32/26/21 (1130/918/742)                        |                                       |             |                                     |             |             |          |        |      |        |
|                                       | HEAT                              | m³/min (ft³/min)    | 32/26/21 (1130/918/742)                        |                                       |             |                                     |             |             |          |        |      |        |
| O/D AIR FLOW                          | COOL                              | m³/min (ft³/min)    |                                                |                                       |             | 76                                  | (2684)      |             |          |        |      |        |
|                                       | HEAT                              | m³/min (ft³/min)    |                                                |                                       |             | 67                                  | (2366)      |             |          |        |      |        |
| REFRIGERANT TYPE, AMOUNT g(oz)        |                                   |                     |                                                |                                       |             | R410A                               | 2.60k       | (91.7)      | /        |        |      |        |
| P R O M                               | D                                 | HEIGHT : H mm(inch) | 290 (11-13/32)                                 |                                       |             | 996 (39-7/32)                       |             |             | /        |        |      |        |
|                                       | I                                 | WIDTH : W mm(inch)  | 1400 (55-1/8)                                  |                                       |             | 940 (37-1/32)                       |             |             | /        |        |      |        |
|                                       | M                                 | DEPTH : D mm(inch)  | 700 (27-9/16)                                  |                                       |             | 340 (13-13/32)                      |             |             | /        |        |      |        |
| P A C M                               | D                                 | HEIGHT : H mm       | 355                                            |                                       |             | 1136                                |             |             | /        |        |      |        |
|                                       | I                                 | WIDTH : W mm        | 1614                                           |                                       |             | 1055                                |             |             | /        |        |      |        |
|                                       | M                                 | DEPTH : D mm        | 850                                            |                                       |             | 485                                 |             |             | /        |        |      |        |
| MASS                                  |                                   | (NET) kg(lb)        | 45 (99)                                        |                                       |             | 73 (161)                            |             |             | /        |        |      |        |
|                                       |                                   | (GROSS) kg(lb)      | 54 (119)                                       |                                       |             | 81 (179)                            |             |             | /        |        |      |        |
| LAYERS LIMIT (actually)               |                                   |                     | 9 (10)                                         |                                       |             | 2 (3)                               |             |             |          |        |      |        |
| Operation Condition                   |                                   | Cool O.D(DBT)       | 18°C ~ 32°C                                    |                                       |             | -10°C ~ 43°C                        |             |             |          |        |      |        |
|                                       |                                   | Heat O.D(DBT)       | 16°C ~ 30°C                                    |                                       |             | -15°C ~ 24°C                        |             |             |          |        |      |        |
| P I P E I N G                         | PIPE DIAMETER mm (inch)           |                     | (Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)            |                                       |             | (Liquid)ø9.52(3/8) (Gas)ø15.88(5/8) |             |             |          |        |      |        |
|                                       | CONNECT METHOD, STD LENGTH m (ft) |                     | flared type, 5.0(16.4)                         |                                       |             | flared type, 5.0(16.4)              |             |             |          |        |      |        |
|                                       | PIPE LENGTH RANGE m (ft)          |                     | 5 ~ 50 (16.4 ~ 164.0)                          |                                       |             |                                     |             |             | ~ ~      |        |      |        |
|                                       | I/D&O/D HEIGHT DIFFERENCE m (ft)  |                     | 15 (OD located lower) / 30 (OD located higher) |                                       |             | (49.2/98.4)                         |             |             |          |        |      |        |
|                                       | ADD GAS AMOUNT g/m (oz/ft)        |                     | 50 (0.538)                                     |                                       |             |                                     |             |             |          |        |      |        |
| PIPE LENGTH FOR ADDITIONAL GAS m (ft) |                                   |                     | 30 (98.4)                                      |                                       |             |                                     |             |             |          |        |      |        |

\*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m³/min.) shall be multiplied by 16.7 and rounded down the decimal point.

\*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.

\*3: Network Impedance shall be applicable for EUROPE and CHINA models.

\*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.

\*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.

# Single -Type

## 1-1. Unit Specifications

### PEY1

#### 4. Low Silhouette Ducted Type S-125PF1E5A / U-125PEY1E5

| INDOOR                             |                                       |                         | MODEL                                          |                          | S-125PF1E5A          |                                     |                |              |             |             |       |        |   |   |
|------------------------------------|---------------------------------------|-------------------------|------------------------------------------------|--------------------------|----------------------|-------------------------------------|----------------|--------------|-------------|-------------|-------|--------|---|---|
| PANEL                              |                                       |                         | MODEL                                          |                          |                      |                                     |                |              |             |             |       |        |   |   |
| OUTDOOR                            |                                       |                         | MODEL                                          |                          |                      |                                     |                | U-125PEY1E5  |             |             |       |        |   |   |
| Branch pipe                        |                                       |                         | MODEL                                          |                          |                      |                                     |                | -            |             |             |       |        |   |   |
| PERFORMANCE TEST CONDITION         |                                       |                         | ISO13253 / EN14511 / EN12102                   |                          |                      |                                     |                |              |             |             |       |        |   |   |
| POWER SUPPLY                       |                                       |                         | ø, Hz                                          |                          | 1ø 50Hz              |                                     |                | 1ø 50Hz      |             |             |       |        |   |   |
|                                    |                                       |                         | V                                              |                          | 220                  | 230                                 | 240            | 220          | 230         | 240         | Min   | Max    |   |   |
| C<br>O<br>O<br>L<br>I<br>N<br>G    | CAPACITY                              |                         | kW                                             |                          | 12.5                 | 12.5                                | 12.5           |              |             |             | 3.8   | 13.5   |   |   |
|                                    |                                       |                         | BTU/h                                          |                          | 42700                | 42700                               | 42700          |              |             |             | 13000 | 46100  |   |   |
|                                    | CURRENT                               |                         | A                                              |                          | 1.48                 | 1.44                                | 1.39           | 18.8         | 18.0        | 17.2        | -     | -      |   |   |
|                                    | INPUT POWER                           |                         | W                                              |                          | 215                  | 215                                 | 215            | 3.885k       | 3.885k      | 3.885k      | -     | -      |   |   |
|                                    |                                       |                         | TOTAL W                                        |                          | -                    |                                     |                | 4.100k       | 4.100k      | 4.100k      | 900   | 5.000k |   |   |
|                                    | ANNUAL CONSUMPTION                    |                         | TOTAL kWh ※4                                   |                          | -                    |                                     |                | -            | 2050        | -           | -     | -      |   |   |
|                                    | EER/EER CLASS                         |                         | TOTAL(W/W)※5/("A"~"G")                         |                          | -                    | -                                   | -              | 3.05         | 3.05 / B    | 3.05        | 4.22  | 2.70   |   |   |
|                                    | Erp<br>※6                             | Pdsign                  | kW                                             |                          | -                    | -                                   | -              | -            | -           | -           |       |        |   |   |
|                                    |                                       | SEER                    | (W/W)                                          |                          | -                    | -                                   | -              | -            | -           | -           |       |        |   |   |
|                                    |                                       | Annual consumption      | kWh                                            |                          | -                    | -                                   | -              | -            | -           | -           |       |        |   |   |
|                                    |                                       | Class                   |                                                |                          | -                    | -                                   | -              | -            | -           | -           |       |        |   |   |
| POWER FACTOR                       |                                       |                         | %                                              |                          | -                    | -                                   | -              | 94           | 94          | 94          | -     | -      |   |   |
| NOISE INDOOR<br>(H/M/L)            |                                       |                         | dB-A                                           |                          | 39/35/32             |                                     |                | -            |             |             |       |        |   |   |
|                                    |                                       |                         | Power Level dB                                 |                          | 61/57/54             |                                     |                | -            |             |             |       |        |   |   |
| NOISE OUTDOOR<br>(H/L)             |                                       |                         | dB-A                                           |                          |                      |                                     |                | 56/-         |             |             |       |        |   |   |
|                                    |                                       |                         | Power Level dB                                 |                          |                      |                                     |                | 73/-         |             |             |       |        |   |   |
| H<br>E<br>A<br>T<br>I<br>N<br>G    | CAPACITY                              |                         | kW                                             |                          | 12.5                 | 12.5                                | 12.5           |              |             |             | 3.4   | 15.0   |   |   |
|                                    |                                       |                         | BTU/h                                          |                          | 42700                | 42700                               | 42700          |              |             |             | 11600 | 51200  |   |   |
|                                    | CURRENT                               |                         | A                                              |                          | 1.46                 | 1.42                                | 1.38           | 14.6         | 14.0        | 13.4        | -     | -      |   |   |
|                                    | INPUT POWER                           |                         | W                                              |                          | 210                  | 210                                 | 210            | 3.060k       | 3.060k      | 3.060k      | -     | -      |   |   |
|                                    |                                       |                         | TOTAL W                                        |                          | -                    |                                     |                | 3.270k       | 3.270k      | 3.270k      | 730   | 4.400k |   |   |
|                                    | COP/COP CLASS                         |                         | TOTAL(W/W)※5/("A"~"G")                         |                          | -                    | -                                   | -              | 3.82         | 3.82 / A    | 3.82        | 4.66  | 3.41   |   |   |
|                                    | Erp<br>※6                             | Pdsign                  | kW                                             |                          | -                    | -                                   | -              | -            | -           | -           |       |        |   |   |
|                                    |                                       | Tbivalen                | °C                                             |                          | -                    | -                                   | -              | -            | -           | -           |       |        |   |   |
|                                    |                                       | SCOP                    | (W/W)                                          |                          | -                    | -                                   | -              | -            | -           | -           |       |        |   |   |
|                                    |                                       | Annual consumption      | kWh                                            |                          | -                    | -                                   | -              | -            | -           | -           |       |        |   |   |
|                                    | Class                                 |                         |                                                |                          |                      | -                                   | -              | -            | -           | -           | -     |        |   |   |
|                                    |                                       | POWER FACTOR            |                                                |                          | %                    |                                     | -              | -            | -           | 95          | 95    | 95     | - | - |
|                                    |                                       | NOISE INDOOR<br>(H/M/L) |                                                |                          | dB-A                 |                                     | 39/35/32       |              |             | -           |       |        | / | / |
|                                    |                                       |                         |                                                |                          | Power Level dB       |                                     | 61/57/54       |              |             | -           |       |        |   |   |
|                                    | NOISE OUTDOOR<br>(H/L)                |                         |                                                | dB-A                     |                      | -                                   |                |              | 56/-        |             |       | /      | / |   |
| Power Level dB                     |                                       |                         |                                                | -                        |                      |                                     | 73/-           |              |             |             |       |        |   |   |
| EXTRA LOW TEMP                     | Total CAPACITY(kW)/INPUT POWER(W)/COP |                         |                                                |                          | -                    |                                     |                |              |             |             |       |        |   |   |
| MAX CURRENT(A)/MAX INPUT POWER(W)  |                                       |                         |                                                |                          | 1.80/265             | 1.75/265                            | 1.70/265       | 29.0/6.000k  | 29.0/6.300k | 29.0/6.600k | /     |        |   |   |
| STARTING CURRENT(A)/COMP OUTPUT(W) |                                       |                         |                                                |                          | -                    | -                                   | -              | 18.8/3.0k    | 18.0/3.0k   | 17.2/3.0k   | /     |        |   |   |
| NETWORK IMPEDANCE (ΩMAX.)          |                                       |                         |                                                |                          | -                    |                                     |                | -            |             |             |       |        |   |   |
| FM OUTPUT (W)                      |                                       |                         |                                                |                          | 200                  |                                     |                | 90           |             |             | /     |        |   |   |
| MOISTURE REMOVAL VOLUME            |                                       |                         | L/h(Pt/h)                                      |                          | 7.9                  | (16.6)                              |                | -            |             |             |       |        |   |   |
| External static pressure           |                                       |                         | Pa                                             |                          | 100 (MIN10 - MAX150) |                                     |                |              |             |             |       |        |   |   |
| I/D AIR FLOW                       | COOL                                  | m³/min (ft³/min)        |                                                | 34/29/23 (1201/1024/812) |                      |                                     |                |              |             |             |       |        |   |   |
|                                    | HEAT                                  | m³/min (ft³/min)        |                                                | 34/29/23 (1201/1024/812) |                      |                                     |                |              |             |             |       |        |   |   |
| O/D AIR FLOW                       | COOL                                  | m³/min (ft³/min)        |                                                |                          |                      |                                     | 80             | (2825)       |             |             |       |        |   |   |
|                                    | HEAT                                  | m³/min (ft³/min)        |                                                |                          |                      |                                     | 73             | (2578)       |             |             |       |        |   |   |
| REFRIGERANT TYPE, AMOUNT g(oz)     |                                       |                         |                                                |                          |                      |                                     |                | R410A        | 3.20k       | (112.9)     | /     |        |   |   |
| P<br>R<br>O<br>M                   | D                                     | HEIGHT : H mm(inch)     |                                                | 290 (11-13/32)           |                      |                                     | 996 (39-7/32)  |              |             | /           |       |        |   |   |
|                                    | I                                     | WIDTH : W mm(inch)      |                                                | 1400 (55-1/8)            |                      |                                     | 940 (37-1/32)  |              |             | /           |       |        |   |   |
|                                    | M                                     | DEPTH : D mm(inch)      |                                                | 700 (27-9/16)            |                      |                                     | 340 (13-13/32) |              |             | /           |       |        |   |   |
| P<br>A<br>C<br>M                   | D                                     | HEIGHT : H mm           |                                                | 355                      |                      |                                     | 1136           |              |             | /           |       |        |   |   |
|                                    | I                                     | WIDTH : W mm            |                                                | 1614                     |                      |                                     | 1055           |              |             | /           |       |        |   |   |
|                                    | M                                     | DEPTH : D mm            |                                                | 850                      |                      |                                     | 485            |              |             | /           |       |        |   |   |
| MASS                               | (NET) kg(lb)                          |                         | 45 (99)                                        |                          |                      | 85 (187)                            |                |              | /           |             |       |        |   |   |
|                                    | (GROSS) kg(lb)                        |                         | 54 (119)                                       |                          |                      | 93 (205)                            |                |              | /           |             |       |        |   |   |
| LAYERS LIMIT (actually)            |                                       |                         |                                                |                          | 9 (10)               |                                     |                | 2 (3)        |             |             |       |        |   |   |
| Operation Condition                |                                       |                         | Cool O.D(DBT)                                  |                          | 18°C ~ 32°C          |                                     |                | -10°C ~ 43°C |             |             |       |        |   |   |
|                                    |                                       |                         | Heat O.D(DBT)                                  |                          | 16°C ~ 30°C          |                                     |                | -15°C ~ 24°C |             |             |       |        |   |   |
| P<br>I<br>P<br>E<br>I<br>N<br>G    | PIPE DIAMETER mm (inch)               |                         | (Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)            |                          |                      | (Liquid)ø9.52(3/8) (Gas)ø15.88(5/8) |                |              |             |             |       |        |   |   |
|                                    | CONNECT METHOD, STD LENGTH m (ft)     |                         | flared type, 5.0(16.4)                         |                          |                      | flared type, 5.0(16.4)              |                |              |             |             |       |        |   |   |
|                                    | PIPE LENGTH RANGE m (ft)              |                         | 5 ~ 50 (16.4 ~ 164.0)                          |                          |                      |                                     |                |              | ~           | ~           |       |        |   |   |
|                                    | I/D&O/D HEIGHT DIFFERENCE m (ft)      |                         | 15 (OD located lower) / 30 (OD located higher) |                          |                      | (49.2/98.4)                         |                |              |             |             |       |        |   |   |
| N<br>G                             | ADD GAS AMOUNT g/m (oz/ft)            |                         | 50 (0.538)                                     |                          |                      |                                     |                |              |             |             |       |        |   |   |
|                                    | PIPE LENGTH FOR ADDITIONAL GAS m (ft) |                         | 30 (98.4)                                      |                          |                      |                                     |                |              |             |             |       |        |   |   |

\*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m³/min.) shall be multiplied by 16.7 and rounded down the decimal point.

\*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.

\*3: Network Impedance shall be applicable for EUROPE and CHINA models.

\*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.

\*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.

# Simultaneous (Twin) -Type

## 1-1. Unit Specifications

### PEY1

#### 4. Low Silhouette Ducted Type S-50PF1E5A×2 / U-100PEY1E8

|                                    |                                       |                    |                            |                                                |                         |                |                                     |            |            |          |        |
|------------------------------------|---------------------------------------|--------------------|----------------------------|------------------------------------------------|-------------------------|----------------|-------------------------------------|------------|------------|----------|--------|
| INDOOR                             |                                       |                    | MODEL                      | S-50PF1E5A×2                                   |                         |                |                                     |            |            |          |        |
| PANEL                              |                                       |                    | MODEL                      |                                                |                         |                |                                     |            |            |          |        |
| OUTDOOR                            |                                       |                    | MODEL                      |                                                |                         |                | U-100PEY1E8                         |            |            |          |        |
| Branch pipe                        |                                       |                    | MODEL                      |                                                |                         |                | CZ-P155BK1                          |            |            |          |        |
| PERFORMANCE TEST CONDITION         |                                       |                    |                            | ISO13253 / EN14511 / EN14825 / EN12102         |                         |                |                                     |            |            |          |        |
| POWER SUPPLY                       |                                       |                    | ø, Hz                      | 1ø 50Hz                                        |                         |                | 3ø 50Hz                             |            |            |          |        |
|                                    |                                       |                    | V                          | 220                                            | 230                     | 240            | 380                                 | 400        | 415        | Min      | Max    |
| C<br>O<br>O<br>L<br>I<br>N<br>G    | CAPACITY                              |                    | kW                         | 10.0                                           | 10.0                    | 10.0           |                                     |            |            | 2.7      | 11.5   |
|                                    |                                       |                    | BTU/h                      | 34100                                          | 34100                   | 34100          |                                     |            |            | 9200     | 39200  |
|                                    | CURRENT                               |                    | A                          | 0.77×2                                         | 0.74×2                  | 0.71×2         | 5.10                                | 4.85       | 4.70       | -        | -      |
|                                    |                                       |                    | W                          | 100×2                                          | 100×2                   | 100×2          | 3.125k                              | 3.125k     | 3.125k     | -        | -      |
|                                    | INPUT POWER                           |                    | TOTAL W                    | -                                              |                         |                | 3.325k                              | 3.325k     | 3.325k     | 530      | 4.200k |
|                                    |                                       |                    | ANNUAL CONSUMPTION         |                                                | TOTAL kWh ※4            | -              |                                     |            | -          | 1663     | -      |
|                                    | EER/EER CLASS                         |                    | TOTAL(W/W) ※5/("A"~"G")    | -                                              | -                       | -              | 3.01                                | 3.01 / B   | 3.01       | 5.09     | 2.74   |
|                                    | Erp<br>※6                             | Pdsign             | kW                         | -                                              | -                       | -              | -                                   | 10.0       | -          |          |        |
|                                    |                                       | SEER               | (W/W)                      | -                                              | -                       | -              | -                                   | 5.2        | -          |          |        |
|                                    |                                       | Annual consumption | kWh                        | -                                              | -                       | -              | -                                   | 673        | -          |          |        |
|                                    |                                       | Class              |                            | -                                              | -                       | -              | -                                   | A          | -          |          |        |
|                                    | POWER FACTOR                          |                    |                            | %                                              | -                       | -              | -                                   | 93         | 93         | 93       | -      |
| NOISE INDOOR<br>(H/M/L)            |                                       | dB-A               | 34/30/26                   |                                                |                         |                |                                     |            |            |          |        |
|                                    |                                       | Power Level dB     | 56/52/48                   |                                                |                         |                |                                     |            |            |          |        |
| NOISE OUTDOOR<br>(H/L)             |                                       | dB-A               |                            |                                                |                         | 54/-           |                                     |            |            |          |        |
|                                    |                                       | Power Level dB     |                            |                                                |                         | 70/-           |                                     |            |            |          |        |
| H<br>E<br>A<br>T<br>I<br>N<br>G    | CAPACITY                              |                    | kW                         | 10.0                                           | 10.0                    | 10.0           |                                     |            |            | 2.1      | 13.8   |
|                                    |                                       |                    | BTU/h                      | 34100                                          | 34100                   | 34100          |                                     |            |            | 7200     | 47100  |
|                                    | CURRENT                               |                    | A                          | 0.77×2                                         | 0.74×2                  | 0.71×2         | 4.05                                | 3.80       | 3.65       | -        | -      |
|                                    |                                       |                    | W                          | 100×2                                          | 100×2                   | 100×2          | 2.430k                              | 2.430k     | 2.430k     | -        | -      |
|                                    | INPUT POWER                           |                    | TOTAL W                    | -                                              |                         |                | 2.630k                              | 2.630k     | 2.630k     | 410      | 4.000k |
|                                    |                                       |                    | COP/COP CLASS              |                                                | TOTAL(W/W) ※5/("A"~"G") | -              | -                                   | -          | 3.80       | 3.80 / A | 3.80   |
|                                    | Erp<br>※6                             | Pdsign             | kW                         | -                                              | -                       | -              | -                                   | 9.5        | -          |          |        |
|                                    |                                       | Tbivalen           | °C                         | -                                              | -                       | -              | -                                   | -8         | -          |          |        |
|                                    |                                       | SCOP               | (W/W)                      | -                                              | -                       | -              | -                                   | 3.8        | -          |          |        |
|                                    |                                       | Annual consumption | kWh                        | -                                              | -                       | -              | -                                   | 3500       | -          |          |        |
|                                    | POWER FACTOR                          | Class              | -                          | -                                              | -                       | -              | A                                   | -          |            |          |        |
|                                    |                                       |                    | -                          | -                                              | -                       | 91             | 92                                  | 93         | -          | -        |        |
|                                    | NOISE INDOOR<br>(H/M/L)               |                    | dB-A                       | 34/30/26                                       |                         |                |                                     |            |            | /        | /      |
|                                    |                                       |                    | Power Level dB             | 56/52/48                                       |                         |                |                                     |            |            |          |        |
|                                    | NOISE OUTDOOR<br>(H/L)                |                    | dB-A                       |                                                |                         |                | 54/-                                |            |            | /        | /      |
| Power Level dB                     |                                       |                    |                            |                                                |                         | 70/-           |                                     |            |            |          |        |
| EXTRA LOW TEMP                     | Total CAPACITY(kW)/INPUT POWER(W)/COP |                    |                            | -                                              |                         |                |                                     |            |            |          |        |
| MAX CURRENT(A)/MAX INPUT POWER(W)  |                                       |                    |                            | 1.00×2/125×2                                   | 0.96×2/125×2            | 0.92×2/125×2   | 9.0/5.550k                          | 9.0/5.800k | 9.0/6.050k | /        |        |
| STARTING CURRENT(A)/COMP OUTPUT(W) |                                       |                    |                            | -                                              | -                       | -              | 5.10/1.7k                           | 4.85/1.7k  | 4.70/1.7k  | /        |        |
| NETWORK IMPEDANCE (ΩMAX.)          |                                       |                    |                            | -                                              |                         |                | -                                   |            |            |          |        |
| FM OUTPUT (W)                      |                                       |                    |                            | 120×2                                          |                         |                | 90                                  |            |            | /        |        |
| MOISTURE REMOVAL VOLUME            |                                       |                    | L/h(Pt/h)                  | 6.0                                            | (3.0×2)                 | (12.6)         | -                                   |            |            |          |        |
| External static pressure           |                                       |                    | Pa                         | 70 (MIN10 - MAX150)                            |                         |                |                                     |            |            |          |        |
| I/D AIR FLOW                       | COOL                                  | m³/min (ft³/min)   | [16/15/12 (565/530/424)]×2 |                                                |                         |                |                                     |            |            |          |        |
| FLOW                               | HEAT                                  | m³/min (ft³/min)   | [16/15/12 (565/530/424)]×2 |                                                |                         |                |                                     |            |            |          |        |
| O/D AIR FLOW                       | COOL                                  | m³/min (ft³/min)   |                            |                                                |                         | 76             | (2684)                              |            |            |          |        |
| FLOW                               | HEAT                                  | m³/min (ft³/min)   |                            |                                                |                         | 67             | (2366)                              |            |            |          |        |
| REFRIGERANT TYPE, AMOUNT g(oz)     |                                       |                    |                            |                                                |                         |                | R410A                               | 2.60k      | (91.7)     | /        |        |
| P D                                | HEIGHT : H mm(inch)                   |                    | 290 (11-13/32)             |                                                |                         | 996 (39-7/32)  |                                     |            | /          |          |        |
| R I                                | WIDTH : W mm(inch)                    |                    | 800 (31-1/2)               |                                                |                         | 940 (37-1/32)  |                                     |            | /          |          |        |
| O M                                | DEPTH : D mm(inch)                    |                    | 700 (27-9/16)              |                                                |                         | 340 (13-13/32) |                                     |            | /          |          |        |
| P D                                | HEIGHT : H mm                         |                    | 355                        |                                                |                         | 1136           |                                     |            | /          |          |        |
| A I                                | WIDTH : W mm                          |                    | 1014                       |                                                |                         | 1055           |                                     |            | /          |          |        |
| C M                                | DEPTH : D mm                          |                    | 850                        |                                                |                         | 485            |                                     |            | /          |          |        |
| MASS                               | (NET) kg(lb)                          |                    | 28 (62)                    |                                                |                         | 73 (161)       |                                     |            | /          |          |        |
|                                    | (GROSS) kg(lb)                        |                    | 35 (78)                    |                                                |                         | 81 (179)       |                                     |            | /          |          |        |
| LAYERS LIMIT (actually)            |                                       |                    |                            | 9 (10)                                         |                         |                | 2 (3)                               |            |            |          |        |
| Operation Condition                |                                       |                    | Cool O.D(DBT)              | 18°C ~ 32°C                                    |                         |                | -10°C ~ 43°C                        |            |            |          |        |
|                                    |                                       |                    | Heat O.D(DBT)              | 16°C ~ 30°C                                    |                         |                | -15°C ~ 24°C                        |            |            |          |        |
| P I                                | PIPE DIAMETER mm (inch)               |                    |                            | (Liquid)ø6.35(1/4) (Gas)ø12.7(1/2)             |                         |                | (Liquid)ø9.52(3/8) (Gas)ø15.88(5/8) |            |            |          |        |
| P I                                | CONNECT METHOD, STD LENGTH m (ft)     |                    |                            | flared type, 5.0(16.4)                         |                         |                | flared type, 5.0(16.4)              |            |            |          |        |
| P I                                | PIPE LENGTH RANGE m (ft)              |                    |                            | 5 ~ 50 (16.4 ~ 164.0)                          |                         |                |                                     |            |            | ~        | ~      |
| N G                                | I/D&O/D HEIGHT DIFFERENCE m (ft)      |                    |                            | 15 (OD located lower) / 30 (OD located higher) |                         |                | (49.2/98.4)                         |            |            |          |        |
| N G                                | ADD GAS AMOUNT g/m (oz/ft)            |                    |                            | 50 (0.538)                                     |                         |                |                                     |            |            |          |        |
|                                    | PIPE LENGTH FOR ADDITIONAL GAS m (ft) |                    |                            | 30 (98.4)                                      |                         |                |                                     |            |            |          |        |

\*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m³/min.) shall be multiplied by 16.7 and rounded down the decimal point.

\*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.

\*3: Network Impedance shall be applicable for EUROPE and CHINA models.

\*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.

\*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.

# 1 Simultaneous (Twin) -Type

## 1-1. Unit Specifications

### PEY1

#### 4. Low Silhouette Ducted Type S-60PF1E5A×2 / U-125PEY1E8

|                                                      |                                   |                     |                                                |                              |                        |                                     |              |             |             |          |        |      |
|------------------------------------------------------|-----------------------------------|---------------------|------------------------------------------------|------------------------------|------------------------|-------------------------------------|--------------|-------------|-------------|----------|--------|------|
| INDOOR                                               |                                   |                     | MODEL                                          | S-60PF1E5A×2                 |                        |                                     |              |             |             |          |        |      |
| PANEL                                                |                                   |                     | MODEL                                          |                              |                        |                                     |              |             |             |          |        |      |
| OUTDOOR                                              |                                   |                     | MODEL                                          |                              |                        |                                     | U-125PEY1E8  |             |             |          |        |      |
| Branch pipe                                          |                                   |                     | MODEL                                          |                              |                        |                                     | CZ-P155BK1   |             |             |          |        |      |
| PERFORMANCE TEST CONDITION                           |                                   |                     |                                                | ISO13253 / EN14511 / EN12102 |                        |                                     |              |             |             |          |        |      |
| POWER SUPPLY                                         |                                   |                     |                                                | ø, Hz                        | 1ø 50Hz                |                                     |              | 3ø 50Hz     |             |          |        |      |
|                                                      |                                   |                     |                                                | V                            | 220                    | 230                                 | 240          | 380         | 400         | 415      | Min    | Max  |
| C O O L I N G                                        | CAPACITY                          |                     | kW                                             | 12.5                         | 12.5                   | 12.5                                |              |             |             | 3.8      | 13.5   |      |
|                                                      |                                   |                     | BTU/h                                          | 42700                        | 42700                  | 42700                               |              |             |             | 13000    | 46100  |      |
|                                                      | CURRENT                           |                     | A                                              | 0.91×2                       | 0.89×2                 | 0.87×2                              | 6.20         | 5.90        | 5.70        | -        | -      |      |
|                                                      |                                   |                     | W                                              | 120×2                        | 120×2                  | 120×2                               | 3.885k       | 3.885k      | 3.885k      | -        | -      |      |
|                                                      | INPUT POWER                       |                     | TOTAL W                                        |                              |                        |                                     | 4.125k       | 4.125k      | 4.125k      | 900      | 5.000k |      |
|                                                      |                                   |                     | ANNUAL CONSUMPTION                             |                              | TOTAL kWh ※4           |                                     |              |             | -           | 2063     | -      | -    |
|                                                      | EER/EER CLASS                     |                     | TOTAL(W/W)※5/("A"~"G")                         | -                            | -                      | -                                   | 3.03         | 3.03 / B    | 3.03        | 4.22     | 2.70   |      |
|                                                      | Erp<br>※6                         | Pdsign              | kW                                             | -                            | -                      | -                                   | -            | -           | -           |          |        |      |
|                                                      |                                   | SEER                | (W/W)                                          | -                            | -                      | -                                   | -            | -           | -           |          |        |      |
|                                                      |                                   | Annual consumption  | kWh                                            | -                            | -                      | -                                   | -            | -           | -           |          |        |      |
| Class                                                |                                   |                     | -                                              | -                            | -                      | -                                   | -            | -           |             |          |        |      |
| POWER FACTOR                                         |                                   | %                   | -                                              | -                            | -                      | 95                                  | 95           | 95          | -           | -        |        |      |
| NOISE INDOOR<br>(H/M/L)                              |                                   | dB-A                | 35/32/26                                       |                              |                        |                                     |              |             |             |          |        |      |
|                                                      |                                   | Power Level dB      | 57/54/48                                       |                              |                        |                                     |              |             |             |          |        |      |
| NOISE OUTDOOR<br>(H/L)                               |                                   | dB-A                |                                                |                              |                        | 56/-                                |              |             |             |          |        |      |
|                                                      |                                   | Power Level dB      |                                                |                              |                        | 73/-                                |              |             |             |          |        |      |
| H E A T I N G                                        | CAPACITY                          |                     | kW                                             | 12.5                         | 12.5                   | 12.5                                |              |             |             | 3.4      | 15.0   |      |
|                                                      |                                   |                     | BTU/h                                          | 42700                        | 42700                  | 42700                               |              |             |             | 11600    | 51200  |      |
|                                                      | CURRENT                           |                     | A                                              | 0.91×2                       | 0.89×2                 | 0.87×2                              | 4.90         | 4.65        | 4.50        | -        | -      |      |
|                                                      |                                   |                     | W                                              | 120×2                        | 120×2                  | 120×2                               | 3.060k       | 3.060k      | 3.060k      | -        | -      |      |
|                                                      | INPUT POWER                       |                     | TOTAL W                                        |                              |                        |                                     | 3.300k       | 3.300k      | 3.300k      | 730      | 4.400k |      |
|                                                      |                                   |                     | COP/COP CLASS                                  |                              | TOTAL(W/W)※5/("A"~"G") | -                                   | -            | -           | 3.79        | 3.79 / A | 3.79   | 4.66 |
|                                                      | Erp<br>※6                         | Pdsign              | kW                                             | -                            | -                      | -                                   | -            | -           | -           |          |        |      |
|                                                      |                                   | Tbivalen            | °C                                             | -                            | -                      | -                                   | -            | -           | -           |          |        |      |
|                                                      |                                   | SCOP                | (W/W)                                          | -                            | -                      | -                                   | -            | -           | -           |          |        |      |
|                                                      |                                   | Annual consumption  | kWh                                            | -                            | -                      | -                                   | -            | -           | -           |          |        |      |
|                                                      | POWER FACTOR                      |                     | %                                              | -                            | -                      | -                                   | 95           | 95          | 95          | -        | -      |      |
|                                                      | NOISE INDOOR<br>(H/M/L)           |                     | dB-A                                           | 35/32/26                     |                        |                                     |              |             |             | /        | /      |      |
|                                                      |                                   |                     | Power Level dB                                 | 57/54/48                     |                        |                                     |              |             |             |          |        |      |
|                                                      | NOISE OUTDOOR<br>(H/L)            |                     | dB-A                                           |                              |                        |                                     | 56/-         |             |             | /        | /      |      |
| Power Level dB                                       |                                   |                     |                                                |                              |                        | 73/-                                |              |             |             |          |        |      |
| EXTRA LOW TEMP Total CAPACITY(kW)/INPUT POWER(W)/COP |                                   |                     |                                                |                              |                        |                                     |              |             |             |          |        |      |
| MAX CURRENT(A)/MAX INPUT POWER(W)                    |                                   |                     |                                                | 1.26×2/160×2                 | 1.20×2/160×2           | 1.15×2/160×2                        | 10.0/6.200k  | 10.0/6.500k | 10.0/6.750k | /        |        |      |
| STARTING CURRENT(A)/COMP OUTPUT(W)                   |                                   |                     |                                                | -                            | -                      | -                                   | 6.20/3.0k    | 5.90/3.0k   | 5.70/3.0k   | /        |        |      |
| NETWORK IMPEDANCE (ΩMAX.)                            |                                   |                     |                                                |                              |                        |                                     |              |             |             |          |        |      |
| FM OUTPUT (W)                                        |                                   |                     |                                                | 120×2                        |                        |                                     | 90           |             |             | /        |        |      |
| MOISTURE REMOVAL VOLUME                              |                                   |                     | L/h(Pt/h)                                      | 7.9                          | (3.95×2)               | (16.6)                              |              |             |             |          |        |      |
| External static pressure                             |                                   |                     | Pa                                             | 70 (MIN10 - MAX150)          |                        |                                     |              |             |             |          |        |      |
| I/D AIR FLOW                                         | COOL                              | m³/min (ft³/min)    | [21/19/15 (742/671/530)]×2                     |                              |                        |                                     |              |             |             |          |        |      |
|                                                      | HEAT                              | m³/min (ft³/min)    | [21/19/15 (742/671/530)]×2                     |                              |                        |                                     |              |             |             |          |        |      |
| O/D AIR FLOW                                         | COOL                              | m³/min (ft³/min)    |                                                |                              |                        | 80                                  | (2825)       |             |             |          |        |      |
|                                                      | HEAT                              | m³/min (ft³/min)    |                                                |                              |                        | 73                                  | (2578)       |             |             |          |        |      |
| REFRIGERANT TYPE, AMOUNT g(oz)                       |                                   |                     |                                                |                              |                        |                                     | R410A        | 3.20k       | (112.9)     | /        |        |      |
| P                                                    | D                                 | HEIGHT : H mm(inch) | 290 (11-13/32)                                 |                              |                        | 996 (39-7/32)                       |              |             | /           |          |        |      |
| R                                                    | I                                 | WIDTH : W mm(inch)  | 1000 (39-3/8)                                  |                              |                        | 940 (37-1/32)                       |              |             | /           |          |        |      |
| O                                                    | M                                 | DEPTH : D mm(inch)  | 700 (27-9/16)                                  |                              |                        | 340 (13-13/32)                      |              |             | /           |          |        |      |
| P                                                    | D                                 | HEIGHT : H mm       | 355                                            |                              |                        | 1136                                |              |             | /           |          |        |      |
| A                                                    | I                                 | WIDTH : W mm        | 1214                                           |                              |                        | 1055                                |              |             | /           |          |        |      |
| C                                                    | M                                 | DEPTH : D mm        | 850                                            |                              |                        | 485                                 |              |             | /           |          |        |      |
| MASS                                                 |                                   | (NET) kg(lb)        | 33 (73)                                        |                              |                        | 85 (187)                            |              |             | /           |          |        |      |
|                                                      |                                   | (GROSS) kg(lb)      | 41 (91)                                        |                              |                        | 93 (205)                            |              |             | /           |          |        |      |
| LAYERS LIMIT (actually)                              |                                   |                     |                                                | 9 (10)                       |                        |                                     | 2 (3)        |             |             |          |        |      |
| Operation Condition                                  |                                   |                     | Cool O.D.(DBT)                                 | 18°C ~ 32°C                  |                        |                                     | -10°C ~ 43°C |             |             |          |        |      |
|                                                      |                                   |                     | Heat O.D.(DBT)                                 | 16°C ~ 30°C                  |                        |                                     | -15°C ~ 24°C |             |             |          |        |      |
| P I P E I N G                                        | PIPE DIAMETER mm (inch)           |                     | (Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)            |                              |                        | (Liquid)ø9.52(3/8) (Gas)ø15.88(5/8) |              |             |             |          |        |      |
|                                                      | CONNECT METHOD, STD LENGTH m (ft) |                     | flared type, 5.0(16.4)                         |                              |                        | flared type, 5.0(16.4)              |              |             |             |          |        |      |
|                                                      | PIPE LENGTH RANGE m (ft)          |                     | 5 ~ 50 (16.4 ~ 164.0)                          |                              |                        |                                     |              |             | ~           | ~        |        |      |
|                                                      | I/D&O/D HEIGHT DIFFERENCE m (ft)  |                     | 15 (OD located lower) / 30 (OD located higher) |                              |                        | (49.2/98.4)                         |              |             |             |          |        |      |
|                                                      | ADD GAS AMOUNT g/m (oz/ft)        |                     | 50 (0.538)                                     |                              |                        |                                     |              |             |             |          |        |      |
| PIPE LENGTH FOR ADDITIONAL GAS m (ft)                |                                   |                     |                                                | 30 (98.4)                    |                        |                                     |              |             |             |          |        |      |

\*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m³/min.) shall be multiplied by 16.7 and rounded down the decimal point.

\*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.

\*3: Network Impedance shall be applicable for EUROPE and CHINA models.

\*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.

\*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.

# Simultaneous (Twin) -Type

## 1-1. Unit Specifications

### PEY1

#### 4. Low Silhouette Ducted Type S-71PF1E5A×2 / U-140PEY1E8

| INDOOR                                               |                                   |                  | MODEL                                          |                              | S-71PF1E5A×2        |                                     |              |             |             |        |       |        |
|------------------------------------------------------|-----------------------------------|------------------|------------------------------------------------|------------------------------|---------------------|-------------------------------------|--------------|-------------|-------------|--------|-------|--------|
| PANEL                                                |                                   |                  | MODEL                                          |                              |                     |                                     |              |             |             |        |       |        |
| OUTDOOR                                              |                                   |                  | MODEL                                          |                              |                     |                                     |              | U-140PEY1E8 |             |        |       |        |
| Branch pipe                                          |                                   |                  | MODEL                                          |                              |                     |                                     |              | CZ-P155BK1  |             |        |       |        |
| PERFORMANCE TEST CONDITION                           |                                   |                  |                                                | ISO13253 / EN14511 / EN12102 |                     |                                     |              |             |             |        |       |        |
| POWER SUPPLY                                         |                                   |                  |                                                | ø, Hz                        |                     | 1ø 50Hz                             |              |             | 3ø 50Hz     |        |       |        |
|                                                      |                                   |                  |                                                | V                            |                     | 220                                 | 230          | 240         | 380         | 400    | 415   | Min    |
| C<br>O<br>O<br>L<br>I<br>N<br>G                      | CAPACITY                          |                  | kW                                             |                              | 14.0                | 14.0                                | 14.0         |             |             |        | 3.3   | 15.5   |
|                                                      |                                   |                  | BTU/h                                          |                              | 47800               | 47800                               | 47800        |             |             |        | 11300 | 52900  |
|                                                      | CURRENT                           |                  | A                                              |                              | 0.91×2              | 0.89×2                              | 0.87×2       | 6.75        | 6.45        | 6.25   | -     | -      |
|                                                      |                                   |                  | W                                              |                              | 120×2               | 120×2                               | 120×2        | 4.125k      | 4.125k      | 4.125k | -     | -      |
|                                                      | INPUT POWER                       |                  | TOTAL W                                        |                              |                     |                                     |              | 4.365k      | 4.365k      | 4.365k | 840   | 6.000k |
|                                                      |                                   |                  | TOTAL kWh ※4                                   |                              |                     |                                     |              | -           | 2183        | -      | -     | -      |
|                                                      | EER/EER CLASS                     |                  | TOTAL(W/W)※5/("A"~"G")                         |                              | -                   | -                                   | -            | 3.21        | 3.21 / A    | 3.21   | 3.93  | 2.58   |
|                                                      |                                   |                  | Pdsign                                         |                              | kW                  | -                                   | -            | -           | -           | -      | -     |        |
|                                                      | Erp<br>※6                         |                  | SEER                                           |                              | (W/W)               | -                                   | -            | -           | -           | -      | -     |        |
|                                                      |                                   |                  | Annual consumption                             |                              | kWh                 | -                                   | -            | -           | -           | -      | -     |        |
| POWER FACTOR                                         |                                   | %                |                                                | -                            | -                   | -                                   | 93           | 92          | 92          | -      | -     |        |
|                                                      |                                   | dB-A             |                                                | 35/32/26                     |                     |                                     |              |             |             |        |       |        |
| NOISE INDOOR<br>(H/M/L)                              |                                   | Power Level dB   |                                                | 57/54/48                     |                     |                                     |              |             |             |        |       |        |
|                                                      |                                   | dB-A             |                                                |                              |                     |                                     | 54/-         |             |             |        |       |        |
| NOISE OUTDOOR<br>(H/L)                               |                                   | Power Level dB   |                                                |                              |                     |                                     | 71/-         |             |             |        |       |        |
|                                                      |                                   |                  |                                                |                              |                     |                                     |              |             |             |        |       |        |
| H<br>E<br>A<br>T<br>I<br>N<br>G                      | CAPACITY                          |                  | kW                                             |                              | 14.0                | 14.0                                | 14.0         |             |             |        | 4.1   | 16.0   |
|                                                      |                                   |                  | BTU/h                                          |                              | 47800               | 47800                               | 47800        |             |             |        | 14000 | 54600  |
|                                                      | CURRENT                           |                  | A                                              |                              | 0.91×2              | 0.89×2                              | 0.87×2       | 5.60        | 5.40        | 5.20   | -     | -      |
|                                                      |                                   |                  | W                                              |                              | 120×2               | 120×2                               | 120×2        | 3.355k      | 3.355k      | 3.355k | -     | -      |
|                                                      | INPUT POWER                       |                  | TOTAL W                                        |                              |                     |                                     |              | 3.595k      | 3.595k      | 3.595k | 900   | 5.200k |
|                                                      |                                   |                  | TOTAL(W/W)※5/("A"~"G")                         |                              | -                   | -                                   | -            | 3.89        | 3.89 / A    | 3.89   | 4.56  | 3.08   |
|                                                      | Erp<br>※6                         |                  | Pdsign                                         |                              | kW                  | -                                   | -            | -           | -           | -      | -     |        |
|                                                      |                                   |                  | Tbivalen                                       |                              | °C                  | -                                   | -            | -           | -           | -      | -     |        |
|                                                      |                                   |                  | SCOP                                           |                              | (W/W)               | -                                   | -            | -           | -           | -      | -     |        |
|                                                      |                                   |                  | Annual consumption                             |                              | kWh                 | -                                   | -            | -           | -           | -      | -     |        |
|                                                      |                                   |                  | Class                                          |                              | -                   | -                                   | -            | -           | -           | -      | -     |        |
|                                                      | POWER FACTOR                      |                  | %                                              |                              | -                   | -                                   | -            | 91          | 90          | 90     | -     | -      |
|                                                      |                                   |                  | dB-A                                           |                              | 35/32/26            |                                     |              |             |             |        | /     | /      |
|                                                      | NOISE INDOOR<br>(H/M/L)           |                  | Power Level dB                                 |                              | 57/54/48            |                                     |              |             |             |        |       |        |
| dB-A                                                 |                                   |                  |                                                |                              |                     | 53/-                                |              |             | /           | /      |       |        |
| NOISE OUTDOOR<br>(H/L)                               |                                   | Power Level dB   |                                                |                              |                     |                                     | 70/-         |             |             |        |       |        |
|                                                      |                                   |                  |                                                |                              |                     |                                     |              |             |             |        |       |        |
| EXTRA LOW TEMP Total CAPACITY(kW)/INPUT POWER(W)/COP |                                   |                  |                                                | -                            |                     |                                     |              |             |             |        |       |        |
| MAX CURRENT(A)/MAX INPUT POWER(W)                    |                                   |                  |                                                | 1.26×2/160×2                 | 1.20×2/160×2        | 1.15×2/160×2                        | 10.0/6.200k  | 10.0/6.500k | 10.0/6.750k | /      |       |        |
| STARTING CURRENT(A)/COMP OUTPUT(W)                   |                                   |                  |                                                | -                            | -                   | -                                   | 6.75/3.0k    | 6.45/3.0k   | 6.25/3.0k   | /      |       |        |
| NETWORK IMPEDANCE (ΩMAX.)                            |                                   |                  |                                                |                              |                     |                                     |              |             |             |        |       |        |
| FM OUTPUT (W)                                        |                                   |                  |                                                | 120                          |                     |                                     | 90×2         |             |             | /      |       |        |
| MOISTURE REMOVAL VOLUME                              |                                   |                  |                                                | L/h(Pt/h)                    | 9.0                 | (4.5×2)                             | (18.9)       |             |             |        |       |        |
| External static pressure                             |                                   |                  |                                                | Pa                           | 70 (MIN10 - MAX150) |                                     |              |             |             |        |       |        |
| I/D AIR FLOW                                         | COOL                              | m³/min (ft³/min) |                                                | [21/19/15 (742/671/530)]×2   |                     |                                     |              |             |             |        |       |        |
| FLOW                                                 | HEAT                              | m³/min (ft³/min) |                                                | [21/19/15 (742/671/530)]×2   |                     |                                     |              |             |             |        |       |        |
| O/D AIR FLOW                                         | COOL                              | m³/min (ft³/min) |                                                |                              |                     |                                     | 135          | (4767)      |             |        |       |        |
| FLOW                                                 | HEAT                              | m³/min (ft³/min) |                                                |                              |                     |                                     | 120          | (4238)      |             |        |       |        |
| REFRIGERANT TYPE, AMOUNT g(oz)                       |                                   |                  |                                                |                              |                     |                                     | R410A        | 3.40k       | (119.9)     | /      |       |        |
| P D                                                  | HEIGHT : H mm(inch)               |                  | 290 (11-13/32)                                 |                              |                     | 1416 (55-3/4)                       |              |             | /           |        |       |        |
| R I                                                  | WIDTH : W mm(inch)                |                  | 1000 (39-3/8)                                  |                              |                     | 940 (37-1/32)                       |              |             | /           |        |       |        |
| O M                                                  | DEPTH : D mm(inch)                |                  | 700 (27-9/16)                                  |                              |                     | 340 (13-13/32)                      |              |             | /           |        |       |        |
| P D                                                  | HEIGHT : H mm                     |                  | 355                                            |                              |                     | 1556                                |              |             | /           |        |       |        |
| A I                                                  | WIDTH : W mm                      |                  | 1214                                           |                              |                     | 1055                                |              |             | /           |        |       |        |
| C M                                                  | DEPTH : D mm                      |                  | 850                                            |                              |                     | 485                                 |              |             | /           |        |       |        |
| MASS                                                 | (NET) kg(lb)                      |                  | 33 (73)                                        |                              |                     | 98 (216)                            |              |             | /           |        |       |        |
|                                                      | (GROSS) kg(lb)                    |                  | 41 (91)                                        |                              |                     | 108 (238)                           |              |             | /           |        |       |        |
| LAYERS LIMIT (actually)                              |                                   |                  |                                                | 9 (10)                       |                     |                                     | 1 (2)        |             |             |        |       |        |
| Operation Condition                                  |                                   | Cool O.D(DBT)    |                                                | 18°C ~ 32°C                  |                     |                                     | -10°C ~ 43°C |             |             |        |       |        |
|                                                      |                                   | Heat O.D(DBT)    |                                                | 16°C ~ 30°C                  |                     |                                     | -15°C ~ 24°C |             |             |        |       |        |
| P<br>I<br>P<br>E<br>I<br>N<br>G                      | PIPE DIAMETER mm (inch)           |                  | (Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)            |                              |                     | (Liquid)ø9.52(3/8) (Gas)ø15.88(5/8) |              |             |             |        |       |        |
|                                                      | CONNECT METHOD, STD LENGTH m (ft) |                  | flared type, 5.0(16.4)                         |                              |                     | flared type, 5.0(16.4)              |              |             |             |        |       |        |
|                                                      | PIPE LENGTH RANGE m (ft)          |                  | 5 ~ 50 (16.4 ~ 164.0)                          |                              |                     |                                     |              |             | ~           | ~      |       |        |
|                                                      | I/D&O/D HEIGHT DIFFERENCE m (ft)  |                  | 15 (OD located lower) / 30 (OD located higher) |                              |                     | (49.2/98.4)                         |              |             |             |        |       |        |
|                                                      | ADD GAS AMOUNT g/m (oz/ft)        |                  | 50 (0.538)                                     |                              |                     |                                     |              |             |             |        |       |        |
| PIPE LENGTH FOR ADDITIONAL GAS m (ft)                |                                   | 30 (98.4)        |                                                |                              |                     |                                     |              |             |             |        |       |        |

\*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m³/min.) shall be multiplied by 16.7 and rounded down the decimal point.

\*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.

\*3: Network Impedance shall be applicable for EUROPE and CHINA models.

\*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.

\*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.

\*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

# Single -Type

## 1-1. Unit Specifications

### PEY1

#### 4. Low Silhouette Ducted Type S-100PF1E5A / U-100PEY1E8

| INDOOR                                |                                   |                     | MODEL                                          |                         | S-100PF1E5A          |                                     |                |              |            |        |      |        |   |
|---------------------------------------|-----------------------------------|---------------------|------------------------------------------------|-------------------------|----------------------|-------------------------------------|----------------|--------------|------------|--------|------|--------|---|
| PANEL                                 |                                   |                     | MODEL                                          |                         |                      |                                     |                |              |            |        |      |        |   |
| OUTDOOR                               |                                   |                     | MODEL                                          |                         |                      |                                     |                | U-100PEY1E8  |            |        |      |        |   |
| Branch pipe                           |                                   |                     | MODEL                                          |                         |                      |                                     |                | -            |            |        |      |        |   |
| PERFORMANCE TEST CONDITION            |                                   |                     | ISO13253 / EN14511 / EN14825 / EN12102         |                         |                      |                                     |                |              |            |        |      |        |   |
| POWER SUPPLY                          |                                   |                     | ø, Hz                                          |                         | 1ø 50Hz              |                                     |                | 3ø 50Hz      |            |        |      |        |   |
|                                       |                                   |                     | V                                              |                         | 220                  | 230                                 | 240            | 380          | 400        | 415    | Min  | Max    |   |
| C<br>O<br>O<br>L<br>I<br>N<br>G       | CAPACITY                          |                     | kW                                             |                         | 10.0                 | 10.0                                | 10.0           |              |            |        | 2.7  | 11.5   |   |
|                                       |                                   |                     | BTU/h                                          |                         | 34100                | 34100                               | 34100          |              |            |        | 9200 | 39200  |   |
|                                       | CURRENT                           |                     | A                                              |                         | 1.35                 | 1.30                                | 1.27           | 5.10         | 4.85       | 4.70   | -    | -      |   |
|                                       | INPUT POWER                       |                     | W                                              |                         | 195                  | 195                                 | 195            | 3.125k       | 3.125k     | 3.125k | -    | -      |   |
|                                       |                                   |                     | TOTAL W                                        |                         | -                    |                                     |                | 3.320k       | 3.320k     | 3.320k | 530  | 4.200k |   |
|                                       | ANNUAL CONSUMPTION                |                     | TOTAL kWh ※4                                   |                         | -                    |                                     |                | -            | 1660       | -      | -    | -      |   |
|                                       | EER/EER CLASS                     |                     | TOTAL(W/W)※5("A"~"G")                          |                         | -                    | -                                   | -              | 3.01         | 3.01 / B   | 3.01   | 5.09 | 2.74   |   |
|                                       | Erp<br>※6                         | Pdsign              | kW                                             | -                       | -                    | -                                   | -              | 10.0         | -          |        |      |        |   |
|                                       |                                   | SEER                | (W/W)                                          | -                       | -                    | -                                   | -              | 5.2          | -          |        |      |        |   |
|                                       |                                   | Annual consumption  | kWh                                            | -                       | -                    | -                                   | -              | 673          | -          |        |      |        |   |
|                                       |                                   | Class               |                                                | -                       | -                    | -                                   | -              | A            | -          |        |      |        |   |
| POWER FACTOR                          |                                   |                     | %                                              |                         | -                    | -                                   | -              | 93           | 93         | 93     | -    | -      |   |
| NOISE INDOOR<br>(H/M/L)               |                                   |                     | dB-A                                           |                         | 38/34/31             |                                     |                | -            |            |        |      |        |   |
|                                       |                                   |                     | Power Level dB                                 |                         | 60/56/53             |                                     |                | -            |            |        |      |        |   |
| NOISE OUTDOOR<br>(H/L)                |                                   |                     | dB-A                                           |                         |                      |                                     |                | 54/-         |            |        |      |        |   |
|                                       |                                   |                     | Power Level dB                                 |                         |                      |                                     |                | 70/-         |            |        |      |        |   |
| H<br>E<br>A<br>T<br>I<br>N<br>G       | CAPACITY                          |                     | kW                                             |                         | 10.0                 | 10.0                                | 10.0           |              |            |        | 2.1  | 13.8   |   |
|                                       |                                   |                     | BTU/h                                          |                         | 34100                | 34100                               | 34100          |              |            |        | 7200 | 47100  |   |
|                                       | CURRENT                           |                     | A                                              |                         | 1.37                 | 1.34                                | 1.29           | 4.05         | 3.80       | 3.65   | -    | -      |   |
|                                       | INPUT POWER                       |                     | W                                              |                         | 200                  | 200                                 | 200            | 2.430k       | 2.430k     | 2.430k | -    | -      |   |
|                                       |                                   |                     | TOTAL W                                        |                         | -                    |                                     |                | 2.630k       | 2.630k     | 2.630k | 410  | 4.000k |   |
|                                       | COP/COP CLASS                     |                     | TOTAL(W/W)※5("A"~"G")                          |                         | -                    | -                                   | -              | 3.80         | 3.80 / A   | 3.80   | 5.12 | 3.45   |   |
|                                       | Erp<br>※6                         | Pdsign              | kW                                             | -                       | -                    | -                                   | -              | 9.5          | -          |        |      |        |   |
|                                       |                                   | Tbivalen            | °C                                             | -                       | -                    | -                                   | -              | -8           | -          |        |      |        |   |
|                                       |                                   | SCOP                | (W/W)                                          | -                       | -                    | -                                   | -              | 3.8          | -          |        |      |        |   |
|                                       |                                   | Annual consumption  | kWh                                            | -                       | -                    | -                                   | -              | 3500         | -          |        |      |        |   |
|                                       |                                   | Class               |                                                | -                       | -                    | -                                   | -              | A            | -          |        |      |        |   |
|                                       | POWER FACTOR                      |                     |                                                | %                       |                      | -                                   | -              | -            | 91         | 92     | 93   | -      | - |
|                                       | NOISE INDOOR<br>(H/M/L)           |                     |                                                | dB-A                    |                      | 38/34/31                            |                |              | -          |        |      | /      | / |
|                                       |                                   |                     |                                                | Power Level dB          |                      | 60/56/53                            |                |              | -          |        |      |        |   |
|                                       | NOISE OUTDOOR<br>(H/L)            |                     |                                                | dB-A                    |                      | -                                   |                |              | 54/-       |        |      | /      | / |
| Power Level dB                        |                                   |                     |                                                | -                       |                      |                                     | 70/-           |              |            |        |      |        |   |
| EXTRA LOW TEMP                        |                                   |                     | Total CAPACITY(kW)/INPUT POWER(W)/COP          |                         | -                    |                                     |                |              |            |        |      |        |   |
| MAX CURRENT(A)/MAX INPUT POWER(W)     |                                   |                     | 1.80/265                                       |                         | 1.75/265             | 1.70/265                            | 9.0/5.550k     | 9.0/5.800k   | 9.0/6.050k | /      |      |        |   |
| STARTING CURRENT(A)/COMP OUTPUT(W)    |                                   |                     | -                                              |                         | -                    | -                                   | 5.10/1.7k      | 4.85/1.7k    | 4.70/1.7k  | /      |      |        |   |
| NETWORK IMPEDANCE (ΩMAX.)             |                                   |                     |                                                |                         | -                    |                                     |                | -            |            |        |      |        |   |
| FM OUTPUT (W)                         |                                   |                     |                                                |                         | 200                  |                                     |                | 90           |            |        | /    |        |   |
| MOISTURE REMOVAL VOLUME               |                                   |                     | L/h(Pt/h)                                      |                         | 6.0 (12.6)           |                                     |                | -            |            |        |      |        |   |
| External static pressure              |                                   |                     | Pa                                             |                         | 100 (MIN10 - MAX150) |                                     |                |              |            |        |      |        |   |
| I/D AIR FLOW                          | COOL                              | m³/min (ft³/min)    |                                                | 32/26/21 (1130/918/742) |                      |                                     |                |              |            |        |      |        |   |
|                                       | HEAT                              | m³/min (ft³/min)    |                                                | 32/26/21 (1130/918/742) |                      |                                     |                |              |            |        |      |        |   |
| O/D AIR FLOW                          | COOL                              | m³/min (ft³/min)    |                                                |                         |                      |                                     | 76 (2684)      |              |            |        |      |        |   |
|                                       | HEAT                              | m³/min (ft³/min)    |                                                |                         |                      |                                     | 67 (2366)      |              |            |        |      |        |   |
| REFRIGERANT TYPE, AMOUNT g(oz)        |                                   |                     |                                                |                         |                      | R410A 2.60k (91.7)                  |                |              | /          |        |      |        |   |
| P<br>R<br>O<br>M                      | D                                 | HEIGHT : H mm(inch) |                                                | 290 (11-13/32)          |                      |                                     | 996 (39-7/32)  |              |            | /      |      |        |   |
|                                       | I                                 | WIDTH : W mm(inch)  |                                                | 1400 (55-1/8)           |                      |                                     | 940 (37-1/32)  |              |            | /      |      |        |   |
|                                       | M                                 | DEPTH : D mm(inch)  |                                                | 700 (27-9/16)           |                      |                                     | 340 (13-13/32) |              |            | /      |      |        |   |
| P<br>A<br>C<br>M                      | D                                 | HEIGHT : H mm       |                                                | 355                     |                      |                                     | 1136           |              |            | /      |      |        |   |
|                                       | I                                 | WIDTH : W mm        |                                                | 1614                    |                      |                                     | 1055           |              |            | /      |      |        |   |
|                                       | M                                 | DEPTH : D mm        |                                                | 850                     |                      |                                     | 485            |              |            | /      |      |        |   |
| MASS                                  | (NET) kg(lb)                      |                     | 45 (99)                                        |                         |                      | 73 (161)                            |                |              | /          |        |      |        |   |
|                                       | (GROSS) kg(lb)                    |                     | 54 (119)                                       |                         |                      | 81 (179)                            |                |              | /          |        |      |        |   |
| LAYERS LIMIT (actually)               |                                   |                     | 9 (10)                                         |                         |                      | 2 (3)                               |                |              |            |        |      |        |   |
| Operation Condition                   |                                   |                     | Cool O.D(DBT)                                  |                         | 18°C ~ 32°C          |                                     |                | -10°C ~ 43°C |            |        |      |        |   |
|                                       |                                   |                     | Heat O.D(DBT)                                  |                         | 16°C ~ 30°C          |                                     |                | -15°C ~ 24°C |            |        |      |        |   |
| P<br>I<br>P<br>E<br>I<br>N<br>G       | PIPE DIAMETER mm (inch)           |                     | (Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)            |                         |                      | (Liquid)ø9.52(3/8) (Gas)ø15.88(5/8) |                |              |            |        |      |        |   |
|                                       | CONNECT METHOD, STD LENGTH m (ft) |                     | flared type, 5.0(16.4)                         |                         |                      | flared type, 5.0(16.4)              |                |              |            |        |      |        |   |
|                                       | PIPE LENGTH RANGE m (ft)          |                     | 5 ~ 50 (16.4 ~ 164.0)                          |                         |                      |                                     |                |              | ~ ~        |        |      |        |   |
|                                       | I/D&O/D HEIGHT DIFFERENCE m (ft)  |                     | 15 (OD located lower) / 30 (OD located higher) |                         |                      | (49.2/98.4)                         |                |              |            |        |      |        |   |
|                                       | ADD GAS AMOUNT g/m (oz/ft)        |                     | 50 (0.538)                                     |                         |                      |                                     |                |              |            |        |      |        |   |
| PIPE LENGTH FOR ADDITIONAL GAS m (ft) |                                   |                     | 30 (98.4)                                      |                         |                      |                                     |                |              |            |        |      |        |   |

\*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m³/min.) shall be multiplied by 16.7 and rounded down the decimal point.

\*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.

\*3: Network Impedance shall be applicable for EUROPE and CHINA models.

\*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.

\*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.

# Single -Type

## 1-1. Unit Specifications

### PEY1

#### 4. Low Silhouette Ducted Type S-125PF1E5A / U-125PEY1E8

|                                       |                                   |                      |                                                |                                       |                      |                                     |           |                      |                                     |   |  |
|---------------------------------------|-----------------------------------|----------------------|------------------------------------------------|---------------------------------------|----------------------|-------------------------------------|-----------|----------------------|-------------------------------------|---|--|
| INDOOR                                |                                   |                      | MODEL                                          |                                       | S-125PF1E5A          |                                     |           |                      |                                     |   |  |
| PANEL                                 |                                   |                      | MODEL                                          |                                       |                      |                                     |           |                      |                                     |   |  |
| OUTDOOR                               |                                   |                      | MODEL                                          |                                       |                      |                                     |           | U-125PEY1E8          |                                     |   |  |
| Branch pipe                           |                                   |                      | MODEL                                          |                                       |                      |                                     |           | -                    |                                     |   |  |
| PERFORMANCE TEST CONDITION            |                                   |                      | ISO13253 / EN14511 / EN12102                   |                                       |                      |                                     |           |                      |                                     |   |  |
| POWER SUPPLY                          |                                   |                      | ø, Hz                                          |                                       | 1ø 50Hz              |                                     |           | 3ø 50Hz              |                                     |   |  |
|                                       |                                   |                      | V                                              |                                       | 220 230 240          |                                     |           | 380 400 415          |                                     |   |  |
| C O O L I N G                         | CAPACITY                          |                      | kW                                             |                                       | 12.5 12.5 12.5       |                                     |           |                      |                                     |   |  |
|                                       |                                   |                      | BTU/h                                          |                                       | 42700 42700 42700    |                                     |           |                      |                                     |   |  |
|                                       | CURRENT                           |                      | A                                              |                                       | 1.48 1.44 1.39       |                                     |           | 6.20 5.90 5.70       |                                     |   |  |
|                                       | INPUT POWER                       |                      | W                                              |                                       | 215 215 215          |                                     |           | 3.885k 3.885k 3.885k |                                     |   |  |
|                                       |                                   |                      | TOTAL W                                        |                                       | -                    |                                     |           | 4.100k 4.100k 4.100k |                                     |   |  |
|                                       | ANNUAL CONSUMPTION                |                      | TOTAL kWh ※4                                   |                                       | -                    |                                     |           | -                    |                                     |   |  |
|                                       | EER/EER CLASS                     |                      | TOTAL(W/W)※5/("A"~"G")                         |                                       | -                    |                                     |           | 3.05 3.05 / B 3.05   |                                     |   |  |
|                                       | Erp<br>※6                         | Pdsign               | kW                                             |                                       | -                    |                                     |           | -                    |                                     |   |  |
|                                       |                                   | SEER                 | (W/W)                                          |                                       | -                    |                                     |           | -                    |                                     |   |  |
|                                       |                                   | Annual consumption   | kWh                                            |                                       | -                    |                                     |           | -                    |                                     |   |  |
| Class                                 |                                   |                      |                                                | -                                     |                      |                                     | -         |                      |                                     |   |  |
| POWER FACTOR                          |                                   |                      | %                                              |                                       | -                    |                                     |           | 95 95 95             |                                     |   |  |
| NOISE INDOOR (H/M/L)                  |                                   |                      | dB-A                                           |                                       | 39/35/32             |                                     |           | -                    |                                     |   |  |
|                                       |                                   |                      | Power Level dB                                 |                                       | 61/57/54             |                                     |           | -                    |                                     |   |  |
| NOISE OUTDOOR (H/L)                   |                                   |                      | dB-A                                           |                                       |                      |                                     |           | 56/-                 |                                     |   |  |
|                                       |                                   |                      | Power Level dB                                 |                                       |                      |                                     |           | 73/-                 |                                     |   |  |
| H E A T I N G                         | CAPACITY                          |                      | kW                                             |                                       | 12.5 12.5 12.5       |                                     |           |                      |                                     |   |  |
|                                       |                                   |                      | BTU/h                                          |                                       | 42700 42700 42700    |                                     |           |                      |                                     |   |  |
|                                       | CURRENT                           |                      | A                                              |                                       | 1.46 1.42 1.38       |                                     |           | 4.90 4.65 4.50       |                                     |   |  |
|                                       | INPUT POWER                       |                      | W                                              |                                       | 210 210 210          |                                     |           | 3.060k 3.060k 3.060k |                                     |   |  |
|                                       |                                   |                      | TOTAL W                                        |                                       | -                    |                                     |           | 3.270k 3.270k 3.270k |                                     |   |  |
|                                       | COP/COP CLASS                     |                      | TOTAL(W/W)※5/("A"~"G")                         |                                       | -                    |                                     |           | 3.82 3.82 / A 3.82   |                                     |   |  |
|                                       | Erp<br>※6                         | Pdsign               | kW                                             |                                       | -                    |                                     |           | -                    |                                     |   |  |
|                                       |                                   | Tbivalen             | °C                                             |                                       | -                    |                                     |           | -                    |                                     |   |  |
|                                       |                                   | SCOP                 | (W/W)                                          |                                       | -                    |                                     |           | -                    |                                     |   |  |
|                                       |                                   | Annual consumption   | kWh                                            |                                       | -                    |                                     |           | -                    |                                     |   |  |
|                                       | POWER FACTOR                      | %                    |                                                | -                                     |                      |                                     | 95 95 95  |                      |                                     | - |  |
|                                       |                                   | NOISE INDOOR (H/M/L) |                                                | dB-A                                  |                      | 39/35/32                            |           |                      | -                                   |   |  |
|                                       |                                   |                      |                                                | Power Level dB                        |                      | 61/57/54                            |           |                      | -                                   |   |  |
|                                       | NOISE OUTDOOR (H/L)               |                      |                                                | dB-A                                  |                      | -                                   |           |                      | 56/-                                |   |  |
|                                       |                                   |                      |                                                | Power Level dB                        |                      | -                                   |           |                      | 73/-                                |   |  |
|                                       | EXTRA LOW TEMP                    |                      |                                                | Total CAPACITY(kW)/INPUT POWER(W)/COP |                      | -                                   |           |                      |                                     |   |  |
| MAX CURRENT(A)/MAX INPUT POWER(W)     |                                   |                      | 1.80/265                                       |                                       | 1.75/265             |                                     | 1.70/265  |                      | 10.0/6.200k 10.0/6.500k 10.0/6.750k |   |  |
| STARTING CURRENT(A)/COMP OUTPUT(W)    |                                   |                      | -                                              |                                       | -                    |                                     | -         |                      | 6.20/3.0k 5.90/3.0k 5.70/3.0k       |   |  |
| NETWORK IMPEDANCE (ΩMAX.)             |                                   |                      |                                                |                                       | -                    |                                     |           |                      | -                                   |   |  |
| FM OUTPUT (W)                         |                                   |                      |                                                |                                       | 200                  |                                     |           |                      | 90                                  |   |  |
| MOISTURE REMOVAL VOLUME               |                                   |                      | L/h(Pt/h)                                      |                                       | 7.9 (16.6)           |                                     |           |                      | -                                   |   |  |
| External static pressure              |                                   |                      | Pa                                             |                                       | 100 (MIN10 - MAX150) |                                     |           |                      |                                     |   |  |
| I/D AIR FLOW                          | COOL                              | m³/min (ft³/min)     |                                                | 34/29/23 (1201/1024/812)              |                      |                                     |           |                      |                                     |   |  |
|                                       | HEAT                              | m³/min (ft³/min)     |                                                | 34/29/23 (1201/1024/812)              |                      |                                     |           |                      |                                     |   |  |
| O/D AIR FLOW                          | COOL                              | m³/min (ft³/min)     |                                                |                                       |                      |                                     | 80 (2825) |                      |                                     |   |  |
|                                       | HEAT                              | m³/min (ft³/min)     |                                                |                                       |                      |                                     | 73 (2578) |                      |                                     |   |  |
| REFRIGERANT TYPE, AMOUNT g(oz)        |                                   |                      |                                                |                                       |                      | R410A 3.20k                         |           | (112.9)              |                                     |   |  |
| P D R O M                             | HEIGHT : H mm(inch)               | 290 (11-13/32)       |                                                |                                       | 996 (39-7/32)        |                                     |           |                      |                                     |   |  |
|                                       | WIDTH : W mm(inch)                | 1400 (55-1/8)        |                                                |                                       | 940 (37-1/32)        |                                     |           |                      |                                     |   |  |
|                                       | DEPTH : D mm(inch)                | 700 (27-9/16)        |                                                |                                       | 340 (13-13/32)       |                                     |           |                      |                                     |   |  |
| P D A C M                             | HEIGHT : H mm                     | 355                  |                                                |                                       | 1136                 |                                     |           |                      |                                     |   |  |
|                                       | WIDTH : W mm                      | 1614                 |                                                |                                       | 1055                 |                                     |           |                      |                                     |   |  |
|                                       | DEPTH : D mm                      | 850                  |                                                |                                       | 485                  |                                     |           |                      |                                     |   |  |
| MASS                                  | (NET) kg(lb)                      | 45 (99)              |                                                |                                       | 85 (187)             |                                     |           |                      |                                     |   |  |
|                                       | (GROSS) kg(lb)                    | 54 (119)             |                                                |                                       | 93 (205)             |                                     |           |                      |                                     |   |  |
| LAYERS LIMIT (actually)               |                                   |                      | 9 (10)                                         |                                       |                      | 2 (3)                               |           |                      |                                     |   |  |
| Operation Condition                   |                                   |                      | Cool O.D(DBT)                                  |                                       | 18°C ~ 32°C          |                                     |           | -10°C ~ 43°C         |                                     |   |  |
|                                       |                                   |                      | Heat O.D(DBT)                                  |                                       | 16°C ~ 30°C          |                                     |           | -15°C ~ 24°C         |                                     |   |  |
| P I P E N G                           | PIPE DIAMETER mm (inch)           |                      | (Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)            |                                       |                      | (Liquid)ø9.52(3/8) (Gas)ø15.88(5/8) |           |                      |                                     |   |  |
|                                       | CONNECT METHOD, STD LENGTH m (ft) |                      | flared type, 5.0(16.4)                         |                                       |                      | flared type, 5.0(16.4)              |           |                      |                                     |   |  |
|                                       | PIPE LENGTH RANGE m (ft)          |                      | 5 ~ 50 (16.4 ~ 164.0)                          |                                       |                      |                                     |           |                      | ~ ~                                 |   |  |
|                                       | I/D&O/D HEIGHT DIFFERENCE m (ft)  |                      | 15 (OD located lower) / 30 (OD located higher) |                                       |                      | (49.2/98.4)                         |           |                      |                                     |   |  |
|                                       | ADD GAS AMOUNT g/m (oz/ft)        |                      | 50 (0.538)                                     |                                       |                      |                                     |           |                      |                                     |   |  |
| PIPE LENGTH FOR ADDITIONAL GAS m (ft) |                                   |                      | 30 (98.4)                                      |                                       |                      |                                     |           |                      |                                     |   |  |

\*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m³/min.) shall be multiplied by 16.7 and rounded down the decimal point.

\*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.

\*3: Network Impedance shall be applicable for EUROPE and CHINA models.

\*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.

\*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.

# Single -Type

## 1-1. Unit Specifications

### PEY1

#### 4. Low Silhouette Ducted Type S-140PF1E5A / U-140PEY1E8

| INDOOR                                                |                                   |                     | MODEL                 |                          | S-140PF1E5A                                    |           |                |                                     |             |             |       |        |   |
|-------------------------------------------------------|-----------------------------------|---------------------|-----------------------|--------------------------|------------------------------------------------|-----------|----------------|-------------------------------------|-------------|-------------|-------|--------|---|
| PANEL                                                 |                                   |                     | MODEL                 |                          |                                                |           |                |                                     |             |             |       |        |   |
| OUTDOOR                                               |                                   |                     | MODEL                 |                          |                                                |           |                | U-140PEY1E8                         |             |             |       |        |   |
| Branch pipe                                           |                                   |                     | MODEL                 |                          |                                                |           |                | -                                   |             |             |       |        |   |
| PERFORMANCE TEST CONDITION                            |                                   |                     |                       |                          | ISO13253 / EN14511 / EN12102                   |           |                |                                     |             |             |       |        |   |
| POWER SUPPLY                                          |                                   |                     | ø, Hz                 |                          | 1ø 50Hz                                        |           |                | 3ø 50Hz                             |             |             | Min   | Max    |   |
|                                                       |                                   |                     | V                     |                          | 220                                            | 230       | 240            | 380                                 | 400         | 415         |       |        |   |
| C<br>O<br>O<br>L<br>I<br>N<br>G                       | CAPACITY                          |                     | kW                    |                          | 14.0                                           | 14.0      | 14.0           |                                     |             |             | 3.3   | 15.5   |   |
|                                                       |                                   |                     | BTU/h                 |                          | 47800                                          | 47800     | 47800          |                                     |             |             | 11300 | 52900  |   |
|                                                       | CURRENT                           |                     | A                     |                          | 1.55                                           | 1.50      | 1.47           | 6.75                                | 6.45        | 6.25        | -     | -      |   |
|                                                       | INPUT POWER                       |                     | W                     |                          | 225                                            | 225       | 225            | 4.125k                              | 4.125k      | 4.125k      | -     | -      |   |
|                                                       |                                   |                     | TOTAL W               |                          | -                                              |           |                | 4.350k                              | 4.350k      | 4.350k      | 840   | 6.000k |   |
|                                                       | ANNUAL CONSUMPTION                |                     | TOTAL kWh ※4          |                          | -                                              |           |                | -                                   | 2175        | -           | -     | -      |   |
|                                                       | EER/EER CLASS                     |                     | TOTAL(W/W)※5("A"~"G") |                          | -                                              | -         | -              | 3.22                                | 3.22 / A    | 3.22        | 3.93  | 2.58   |   |
|                                                       | Erp<br>※6                         | Pdsign              | kW                    |                          | -                                              | -         | -              | -                                   | -           | -           |       |        |   |
|                                                       |                                   | SEER                | (W/W)                 |                          | -                                              | -         | -              | -                                   | -           | -           |       |        |   |
|                                                       |                                   | Annual consumption  | kWh                   |                          | -                                              | -         | -              | -                                   | -           | -           |       |        |   |
|                                                       |                                   | Class               |                       |                          | -                                              | -         | -              | -                                   | -           | -           |       |        |   |
| POWER FACTOR                                          |                                   |                     | %                     |                          | -                                              | -         | -              | 93                                  | 92          | 92          | -     | -      |   |
| NOISE INDOOR<br>(H/M/L)                               |                                   |                     | dB-A                  |                          | 40/36/33                                       |           |                | -                                   |             |             |       |        |   |
|                                                       |                                   |                     | Power Level dB        |                          | 62/58/55                                       |           |                | -                                   |             |             |       |        |   |
| NOISE OUTDOOR<br>(H/L)                                |                                   |                     | dB-A                  |                          |                                                |           |                | 54/-                                |             |             |       |        |   |
|                                                       |                                   |                     | Power Level dB        |                          |                                                |           |                | 71/-                                |             |             |       |        |   |
| H<br>E<br>A<br>T<br>I<br>N<br>G                       | CAPACITY                          |                     | kW                    |                          | 14.0                                           | 14.0      | 14.0           |                                     |             |             | 4.1   | 16.0   |   |
|                                                       |                                   |                     | BTU/h                 |                          | 47800                                          | 47800     | 47800          |                                     |             |             | 14000 | 54600  |   |
|                                                       | CURRENT                           |                     | A                     |                          | 1.55                                           | 1.50      | 1.46           | 5.60                                | 5.40        | 5.20        | -     | -      |   |
|                                                       | INPUT POWER                       |                     | W                     |                          | 225                                            | 225       | 225            | 3.355k                              | 3.355k      | 3.355k      | -     | -      |   |
|                                                       |                                   |                     | TOTAL W               |                          | -                                              |           |                | 3.580k                              | 3.580k      | 3.580k      | 900   | 5.200k |   |
|                                                       | COP/COP CLASS                     |                     | TOTAL(W/W)※5("A"~"G") |                          | -                                              | -         | -              | 3.91                                | 3.91 / A    | 3.91        | 4.56  | 3.08   |   |
|                                                       | Erp<br>※6                         | Pdsign              | kW                    |                          | -                                              | -         | -              | -                                   | -           | -           |       |        |   |
|                                                       |                                   | Tbivalen            | °C                    |                          | -                                              | -         | -              | -                                   | -           | -           |       |        |   |
|                                                       |                                   | SCOP                | (W/W)                 |                          | -                                              | -         | -              | -                                   | -           | -           |       |        |   |
|                                                       |                                   | Annual consumption  | kWh                   |                          | -                                              | -         | -              | -                                   | -           | -           |       |        |   |
|                                                       |                                   | Class               |                       |                          | -                                              | -         | -              | -                                   | -           | -           |       |        |   |
|                                                       | POWER FACTOR                      |                     |                       | %                        |                                                | -         | -              | -                                   | 91          | 90          | 90    | -      | - |
|                                                       | NOISE INDOOR<br>(H/M/L)           |                     |                       | dB-A                     |                                                | 40/36/33  |                |                                     | -           |             |       | /      | / |
|                                                       |                                   |                     |                       | Power Level dB           |                                                | 62/58/55  |                |                                     | -           |             |       |        |   |
| NOISE OUTDOOR<br>(H/L)                                |                                   |                     | dB-A                  |                          | -                                              |           |                | 53/-                                |             |             | /     | /      |   |
|                                                       |                                   |                     | Power Level dB        |                          | -                                              |           |                | 70/-                                |             |             |       |        |   |
| EXTRA LOW TEMP. Total CAPACITY(kW)/INPUT POWER(W)/COP |                                   |                     |                       |                          | -                                              |           |                |                                     |             |             |       |        |   |
| MAX CURRENT(A)/MAX INPUT POWER(W)                     |                                   |                     |                       |                          | 1.91/285                                       | 1.86/285  | 1.81/285       | 10.0/6.200k                         | 10.0/6.500k | 10.0/6.750k | /     |        |   |
| STARTING CURRENT(A)/COMP OUTPUT(W)                    |                                   |                     |                       |                          | -                                              | -         | -              | 6.75/3.0k                           | 6.45/3.0k   | 6.25/3.0k   | /     |        |   |
| NETWORK IMPEDANCE (ΩMAX.)                             |                                   |                     |                       |                          | -                                              |           |                | -                                   |             |             |       |        |   |
| FM OUTPUT (W)                                         |                                   |                     |                       |                          | 200                                            |           |                | 90×2                                |             |             | /     |        |   |
| MOISTURE REMOVAL VOLUME                               |                                   |                     | L/h(Pt/h)             | 9.0                      | (18.9)                                         |           |                | -                                   |             |             |       |        |   |
| External static pressure                              |                                   |                     | Pa                    | 100 (MIN10 - MAX150)     |                                                |           |                |                                     |             |             |       |        |   |
| I/D AIR FLOW                                          | COOL                              | m³/min (ft³/min)    |                       | 36/32/25 (1271/1130/883) |                                                |           |                |                                     |             |             |       |        |   |
|                                                       | HEAT                              | m³/min (ft³/min)    |                       | 36/32/25 (1271/1130/883) |                                                |           |                |                                     |             |             |       |        |   |
| O/D AIR FLOW                                          | COOL                              | m³/min (ft³/min)    |                       |                          |                                                |           | 135            | (4767)                              |             |             |       |        |   |
|                                                       | HEAT                              | m³/min (ft³/min)    |                       |                          |                                                |           | 120            | (4238)                              |             |             |       |        |   |
| REFRIGERANT TYPE, AMOUNT g(oz)                        |                                   |                     |                       |                          |                                                |           |                | R410A                               | 3.40k       | (119.9)     | /     |        |   |
| P<br>R<br>O<br>M                                      | D                                 | HEIGHT : H mm(inch) |                       | 290 (11-13/32)           |                                                |           | 1416 (55-3/4)  |                                     |             | /           |       |        |   |
|                                                       | I                                 | WIDTH : W mm(inch)  |                       | 1400 (55-1/8)            |                                                |           | 940 (37-1/32)  |                                     |             | /           |       |        |   |
|                                                       | M                                 | DEPTH : D mm(inch)  |                       | 700 (27-9/16)            |                                                |           | 340 (13-13/32) |                                     |             | /           |       |        |   |
| P<br>A<br>C<br>M                                      | D                                 | HEIGHT : H mm       |                       | 355                      |                                                |           | 1556           |                                     |             | /           |       |        |   |
|                                                       | I                                 | WIDTH : W mm        |                       | 1614                     |                                                |           | 1055           |                                     |             | /           |       |        |   |
|                                                       | M                                 | DEPTH : D mm        |                       | 850                      |                                                |           | 485            |                                     |             | /           |       |        |   |
| MASS                                                  | (NET) kg(lb)                      |                     | 45 (99)               |                          |                                                | 98 (216)  |                |                                     | /           |             |       |        |   |
|                                                       | (GROSS) kg(lb)                    |                     | 54 (119)              |                          |                                                | 108 (238) |                |                                     | /           |             |       |        |   |
| LAYERS LIMIT (actually)                               |                                   |                     |                       |                          | 9 (10)                                         |           |                | 1 (2)                               |             |             |       |        |   |
| Operation Condition                                   |                                   |                     | Cool O.D.(DBT)        |                          | 18°C ~ 32°C                                    |           |                | -10°C ~ 43°C                        |             |             |       |        |   |
|                                                       |                                   |                     | Heat O.D.(DBT)        |                          | 16°C ~ 30°C                                    |           |                | -15°C ~ 24°C                        |             |             |       |        |   |
| P<br>I<br>P<br>E<br>I<br>N<br>G                       | PIPE DIAMETER mm (inch)           |                     |                       |                          | (Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)            |           |                | (Liquid)ø9.52(3/8) (Gas)ø15.88(5/8) |             |             |       |        |   |
|                                                       | CONNECT METHOD, STD LENGTH m (ft) |                     |                       |                          | flared type, 5.0(16.4)                         |           |                | flared type, 5.0(16.4)              |             |             |       |        |   |
|                                                       | PIPE LENGTH RANGE m (ft)          |                     |                       |                          | 5 ~ 50 (16.4 ~ 164.0)                          |           |                |                                     |             |             | ~     | ~      |   |
|                                                       | I/D&O/D HEIGHT DIFFERENCE m (ft)  |                     |                       |                          | 15 (OD located lower) / 30 (OD located higher) |           |                | (49.2/98.4)                         |             |             |       |        |   |
|                                                       | ADD GAS AMOUNT g/m (oz/ft)        |                     |                       |                          | 50 (0.538)                                     |           |                |                                     |             |             |       |        |   |
| PIPE LENGTH FOR ADDITIONAL GAS m (ft)                 |                                   |                     |                       |                          | 30 (98.4)                                      |           |                |                                     |             |             |       |        |   |

\*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m³/min.) shall be multiplied by 16.7 and rounded down the decimal point.

\*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.

\*3: Network Impedance shall be applicable for EUROPE and CHINA models.

\*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.

\*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.

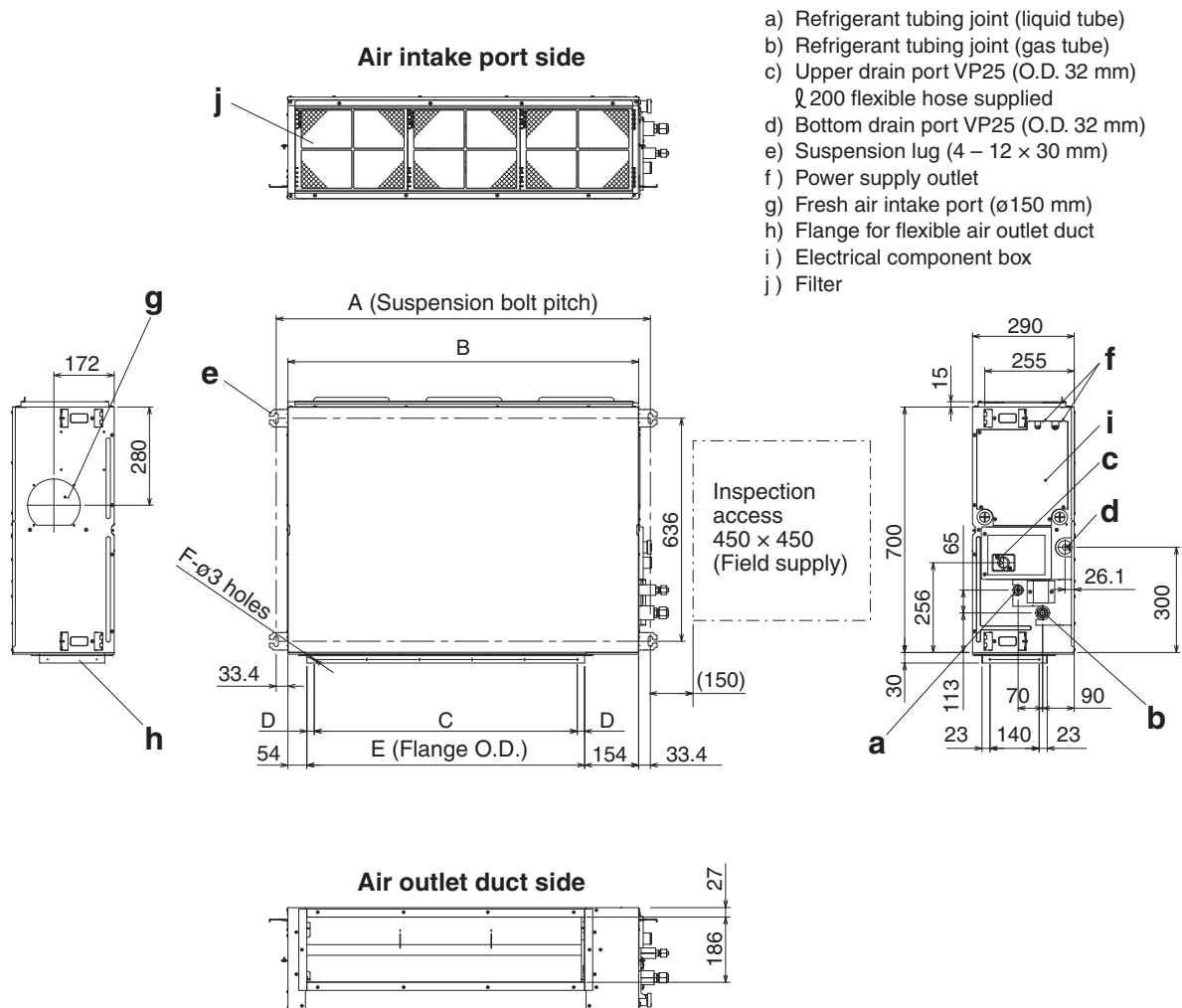
\*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

## 1-2. Dimensional Data

**(A) Indoor Units: S-36PF1E5A, S-45PF1E5A, S-50PF1E5A, S-60PF1E5A, S-71PF1E5A, S-100PF1E5A, S-125PF1E5A, S-140PF1E5A**

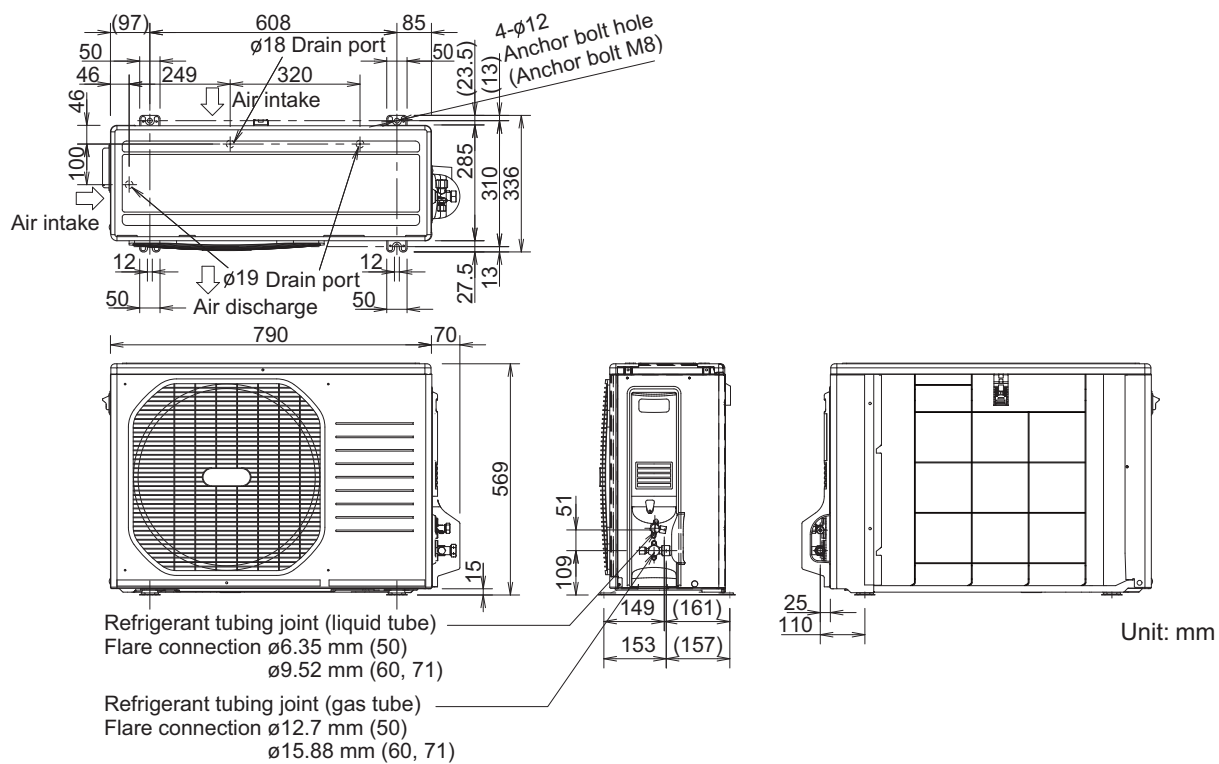
Unit: mm

| Type          | A     | B     | C                     | D  | E     | F  |
|---------------|-------|-------|-----------------------|----|-------|----|
| 36, 45, 50    | 867   | 800   | 450 (Pitch 150 × 3)   | 71 | 592   | 12 |
| 60, 71        | 1,067 | 1,000 | 750 (Pitch 150 × 5)   | 21 | 792   | 16 |
| 100, 125, 140 | 1,467 | 1,400 | 1,050 (Pitch 150 × 7) | 71 | 1,192 | 20 |



## 1-2. Dimensional Data

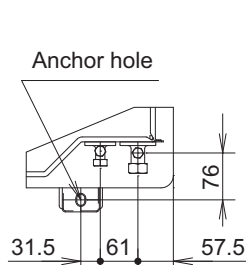
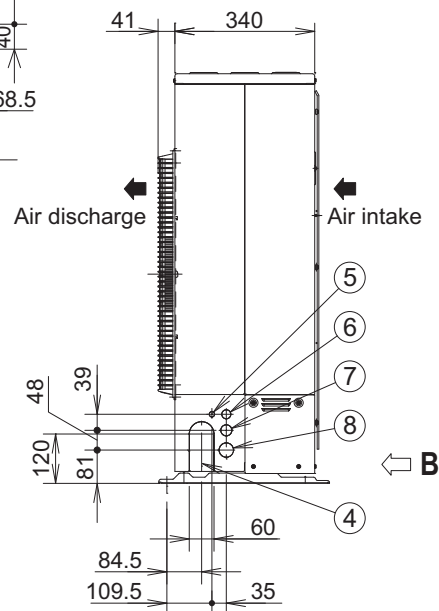
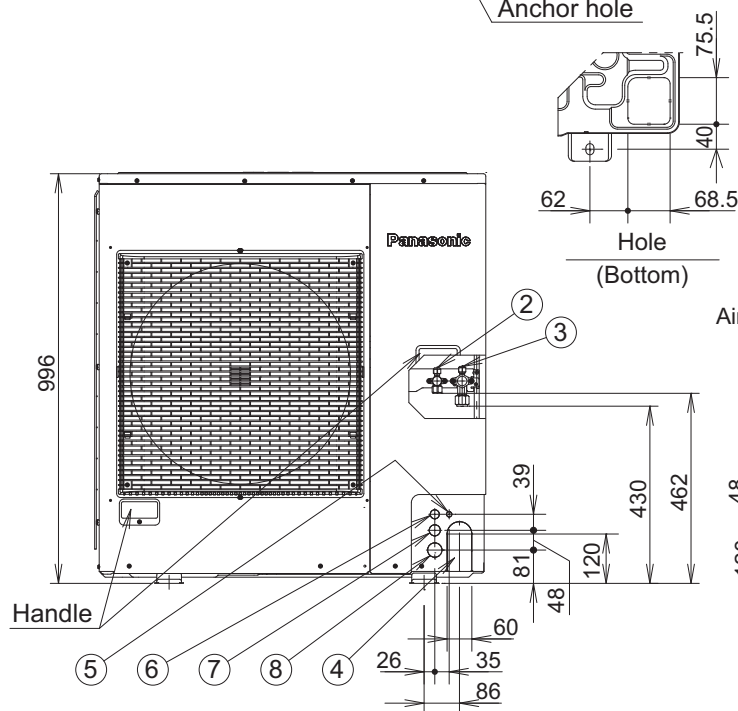
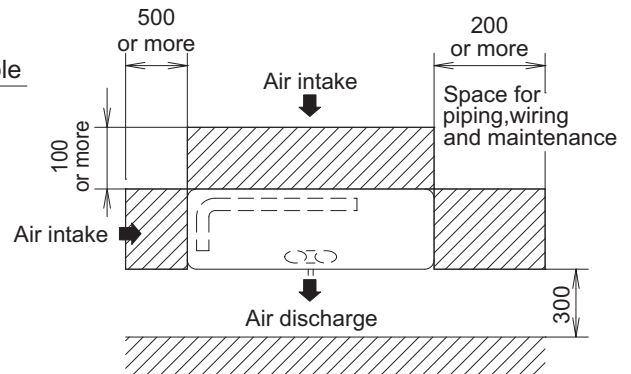
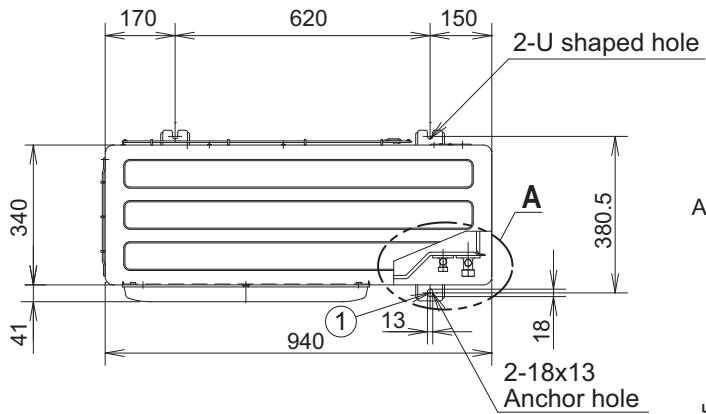
### (B) Outdoor Unit: U-50PE1E5 U-60PEY1E5 / U-71PEY1E5



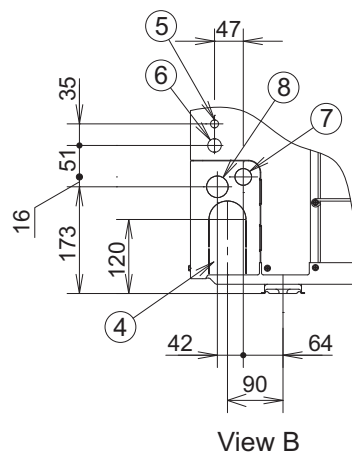
## 1-2. Dimensional Data

(B) Outdoor Units: U-60PE1E5A / U-71PE1E5A/ U-100PEY1E5/ U-125PEY1E5  
U-71PE1E8A / U-100PEY1E8/ U-125PEY1E8

Unit:mm



Enlarged view A  
Refrigerant piping  
end connection



View B

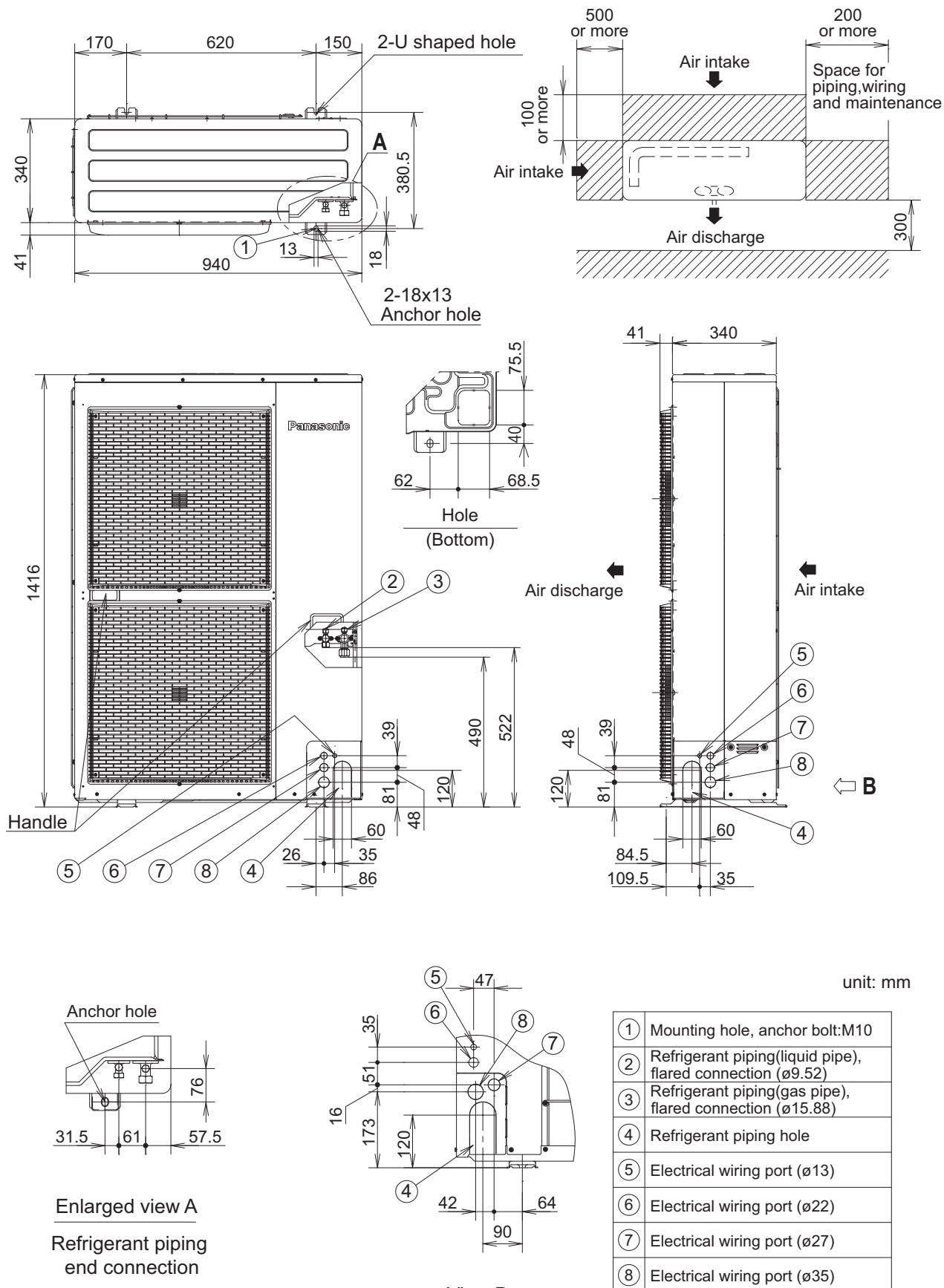
unit: mm

|   |                                                             |
|---|-------------------------------------------------------------|
| ① | Mounting hole, anchor bolt:M10                              |
| ② | Refrigerant piping (liquid pipe), flared connection (ø9.52) |
| ③ | Refrigerant piping (gas pipe), flared connection (ø15.88)   |
| ④ | Refrigerant piping hole                                     |
| ⑤ | Electrical wiring port (ø13)                                |
| ⑥ | Electrical wiring port (ø22)                                |
| ⑦ | Electrical wiring port (ø27)                                |
| ⑧ | Electrical wiring port (ø35)                                |

## 1-2. Dimensional Data

(B) Outdoor Units: U-100PE1E5A / U-125PE1E5A / U-140PE1E5A

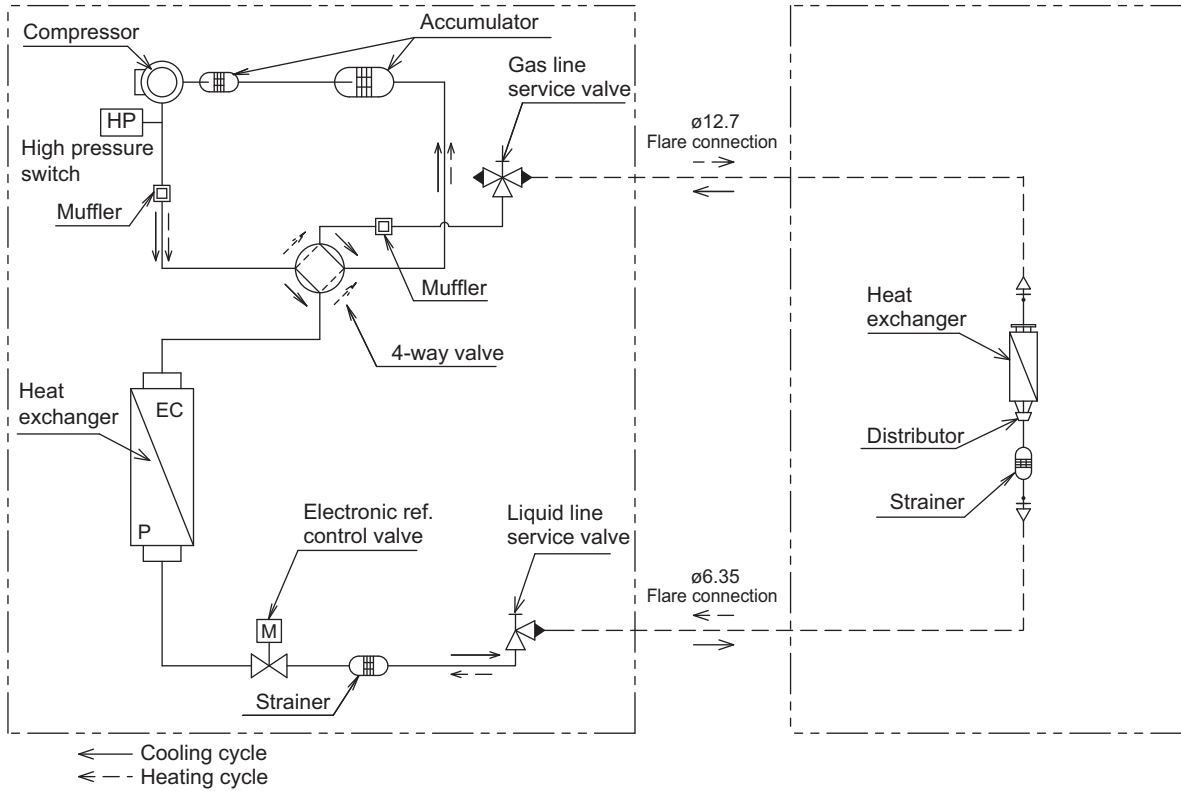
U-100PE1E8A / U-125PE1E8A / U-140PE1E8A / U-140PEY1E8



### 1-3. Refrigerant Flow Diagram

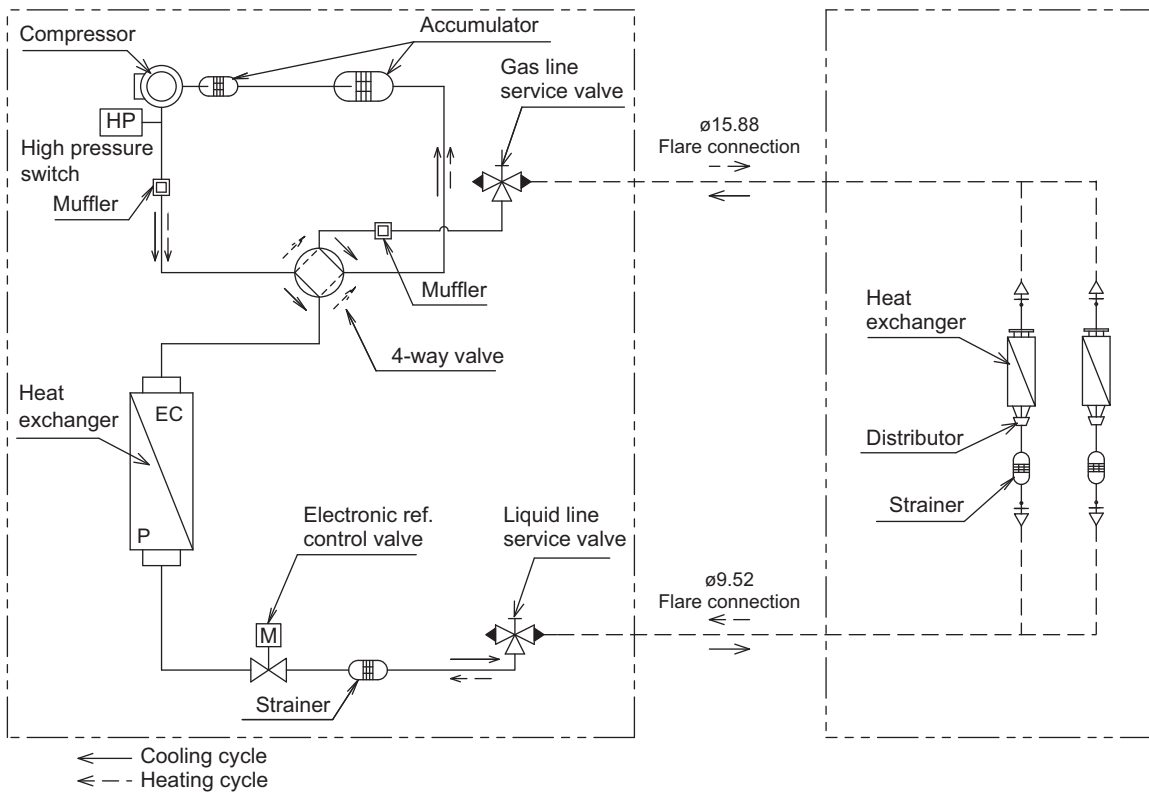
#### Outdoor Unit: U-50PE1E5

#### Indoor Unit:



#### Outdoor Unit : U-60PEY1E5 U-71PEY1E5

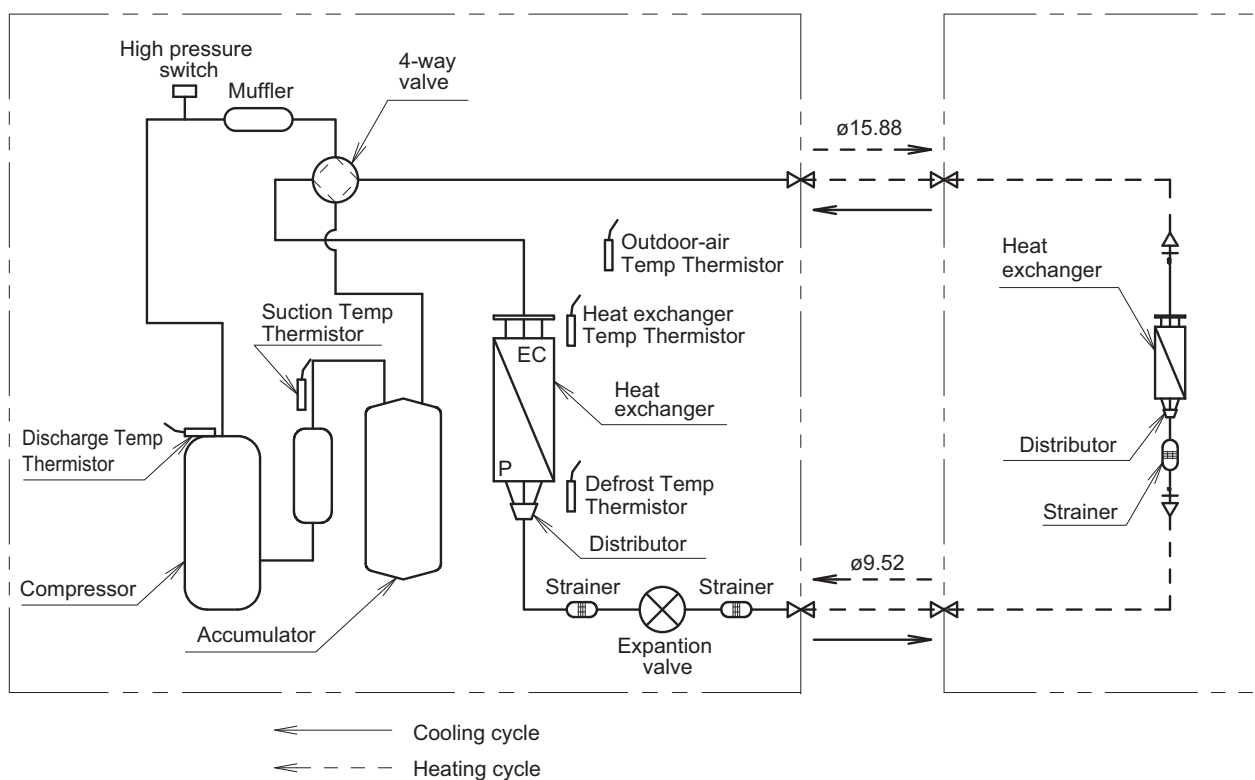
#### Indoor Unit:



### 1-3. Refrigerant Flow Diagram

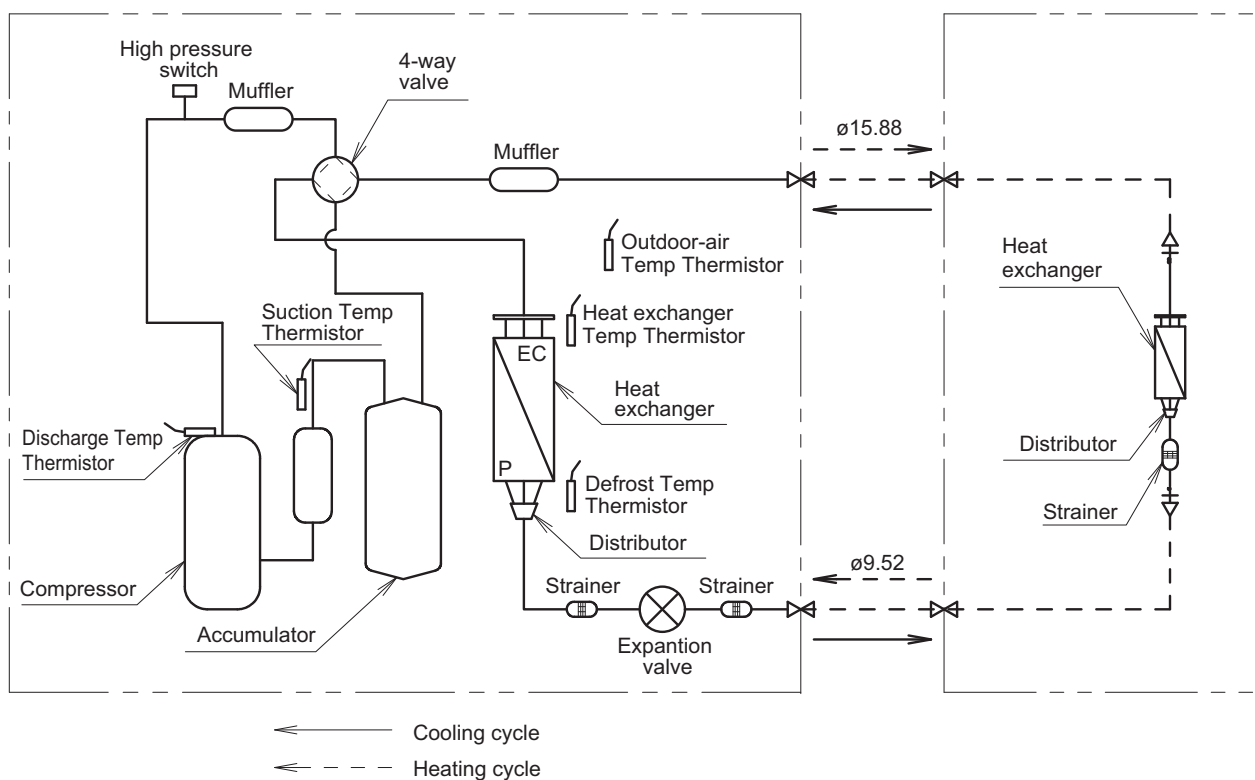
Outdoor Units: U-60PE1E5A / U-71PE1E5A  
U-71PE1E8A

Indoor Unit



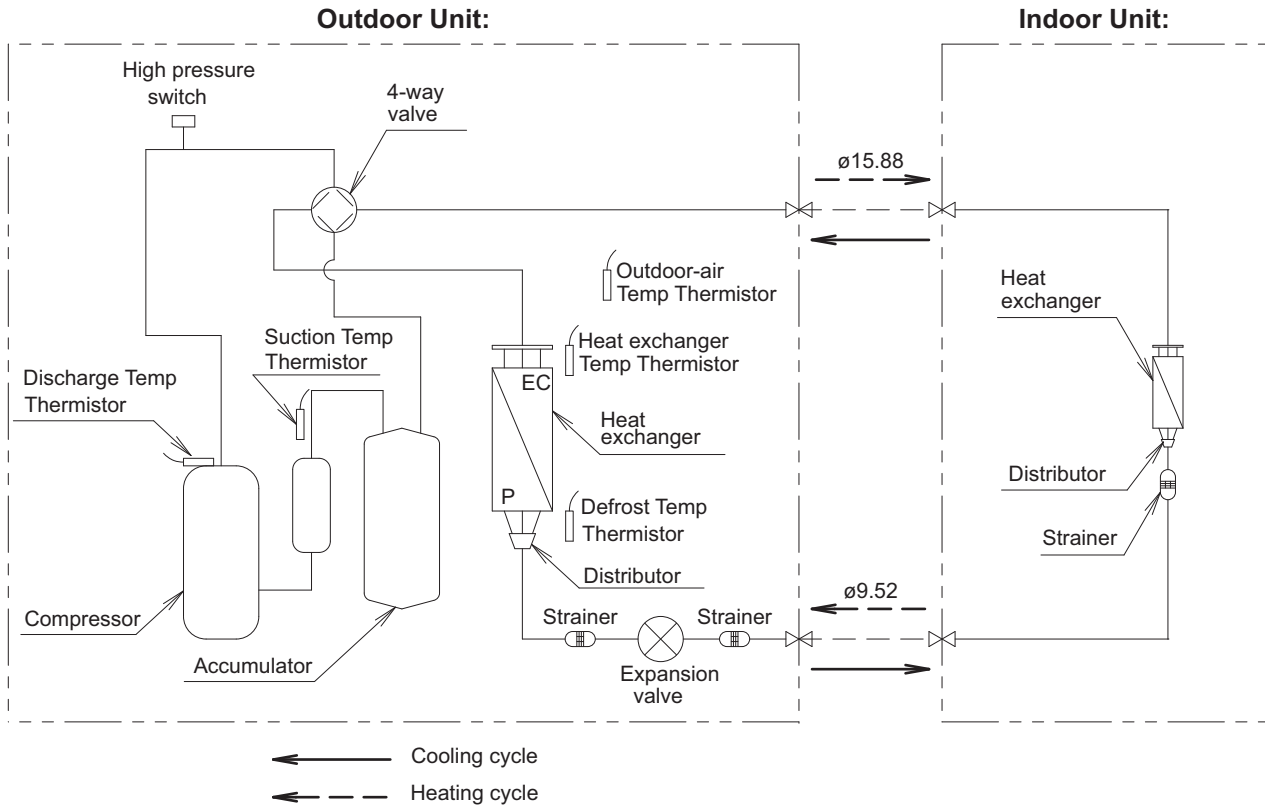
Outdoor Units: U-100PE1E5A / U-125PE1E5A / U-140PE1E5A  
U-100PE1E8A / U-125PE1E8A / U-140PE1E8A / U-140PEY1E8

Indoor Unit

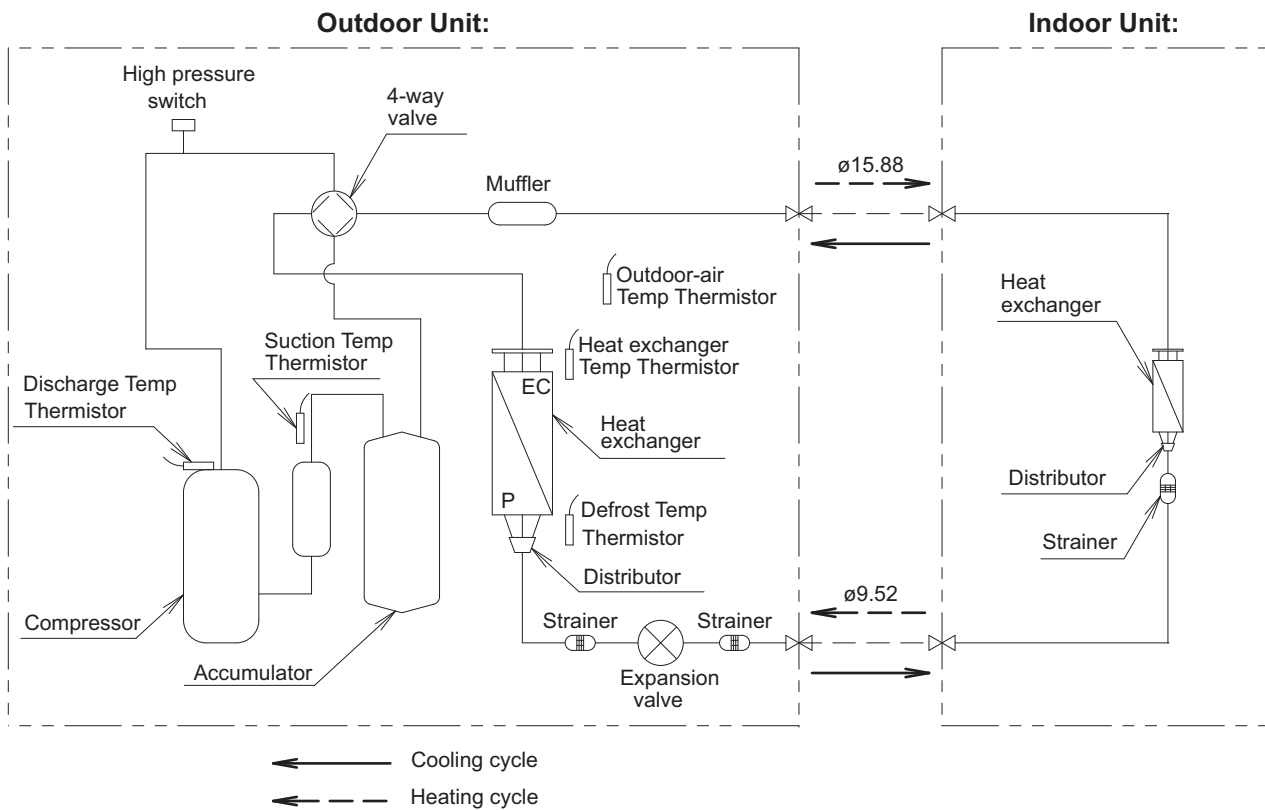


### 1-3. Refrigerant Flow Diagram

Outdoor Units: U-100PEY1E5 / U-100PEY1E8



Outdoor Units: U-125PEY1E5 / U-125PEY1E8



## 1-4. Operationg Range

### Type PE1

|         | Temperature | Indoor air intake temp. | Outdoor air intake temp. |
|---------|-------------|-------------------------|--------------------------|
| Cooling | Maximum     | 32°C DB / 25°C WB       | 46°C DB                  |
|         | Minimum     | 18°C DB / 14°C WB       | -15°C DB                 |
| Heating | Maximum     | 30°C DB / – WB          | 24°C DB/18°C WB          |
|         | Minimum     | 16°C DB / – WB          | -20°C DB / -20°C WB      |

### Type PEY1

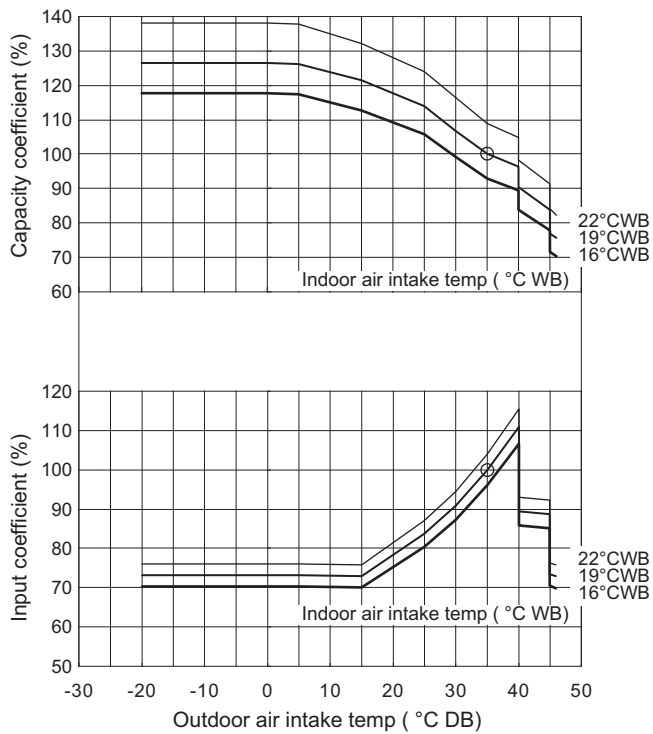
|         | Temperature | Indoor air intake temp. | Outdoor air intake temp. |
|---------|-------------|-------------------------|--------------------------|
| Cooling | Maximum     | 32°C DB / 25°C WB       | 43°C DB                  |
|         | Minimum     | 18°C DB / 14°C WB       | -10°C DB                 |
| Heating | Maximum     | 30°C DB / – WB          | 24°C DB/18°C WB          |
|         | Minimum     | 16°C DB / – WB          | -15°C DB / -15°C WB      |

# 1-5. Capacity Correction Graph According to Temperature Condition

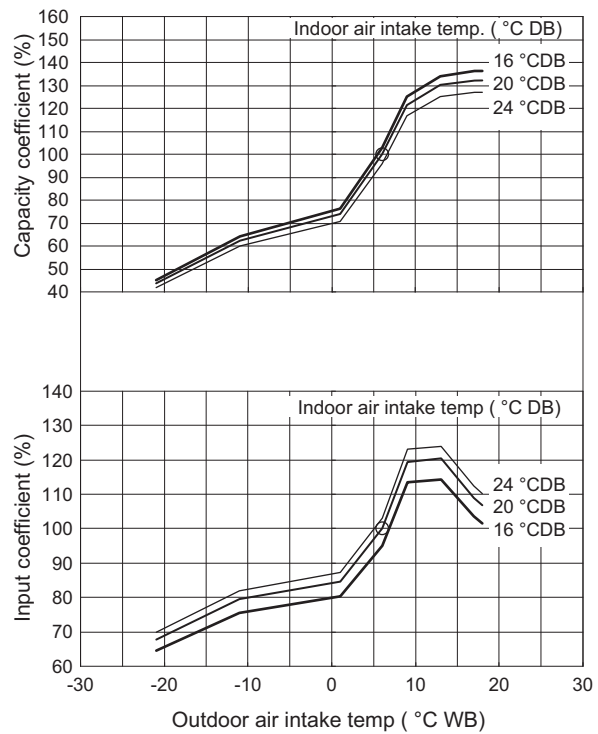
PE1

U-50PE1E5 (For 50 Hz)

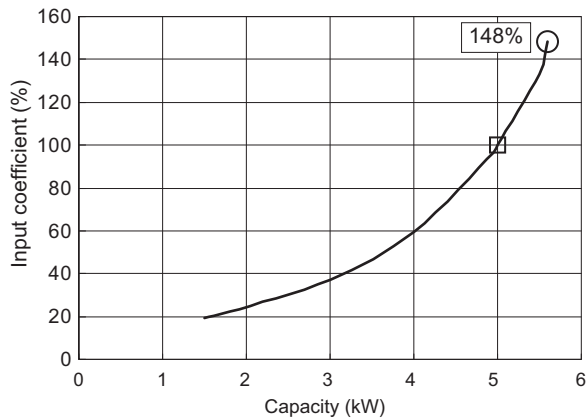
Cooling capacity ratio (maximum capacity)



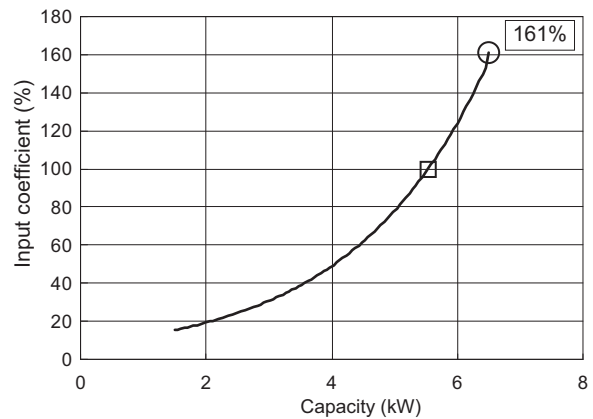
Heating capacity ratio (maximum capacity)



Cooling



Heating

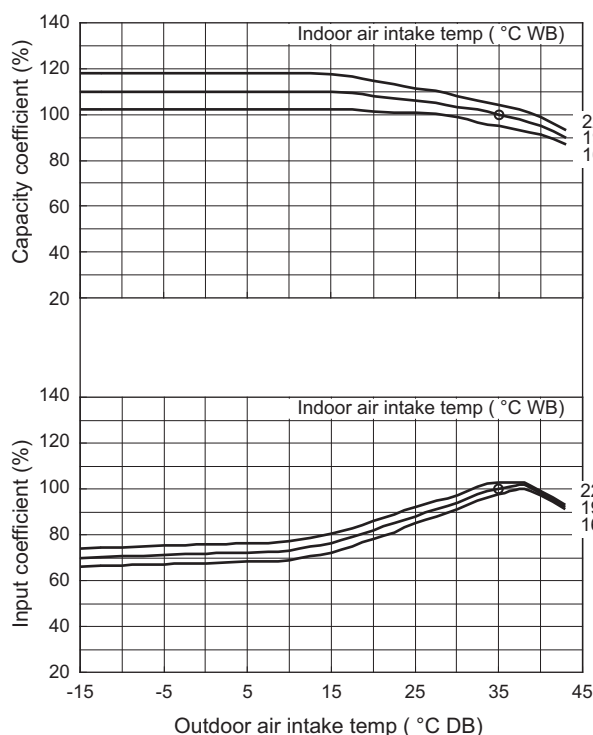


## 1-5. Capacity Correction Graph According to Temperature Condition

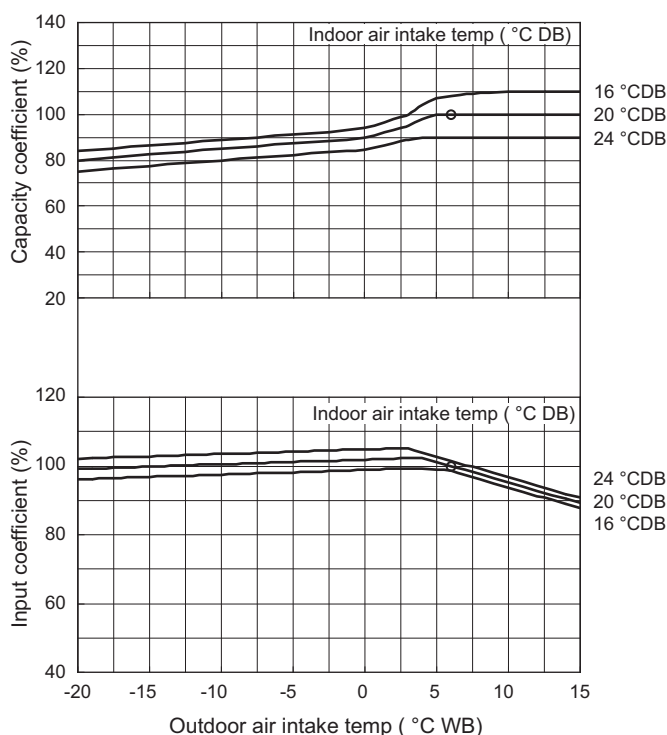
PE1

U-60PE1E5A (For 50 Hz)

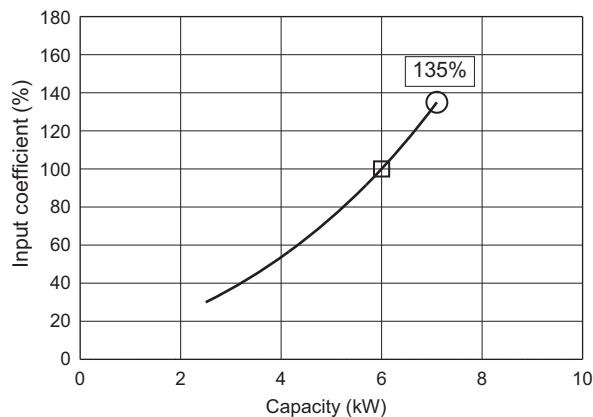
Cooling capacity ratio (maximum capacity)



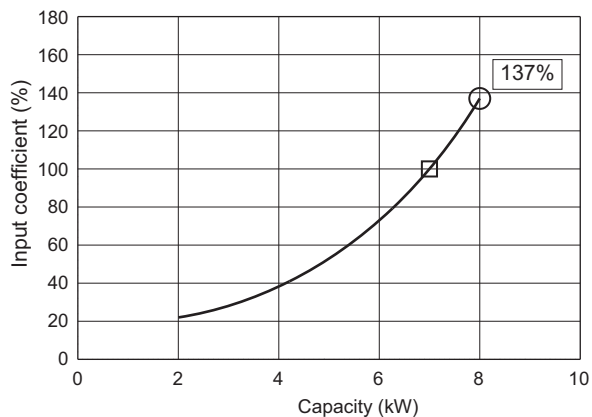
Heating capacity ratio (maximum capacity)



Cooling



Heating



Outdoor unit heating capacity correction coefficient during of frosting/defrosting (RH approximately 85%)

| Outdoor intake air temperature °C WB | -20 | -15 | -10  | -9   | -8   | -7   | -6   | -5   | -4   | -3   | -2   | -1   | 0    | 1    | 2    | 3    | 4    | 5    | 6   |
|--------------------------------------|-----|-----|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|
| Correction coefficient               | 1.0 | 1.0 | 0.97 | 0.96 | 0.96 | 0.95 | 0.94 | 0.91 | 0.89 | 0.88 | 0.87 | 0.87 | 0.87 | 0.88 | 0.89 | 0.91 | 0.92 | 0.95 | 1.0 |

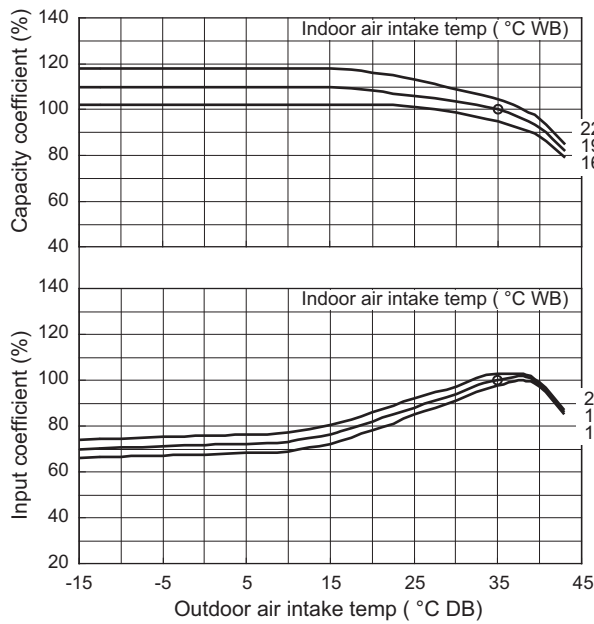
To calculate the heating capacity with consideration for frosting/defrosting operation, multiply the heating capacity found from the capacity graph by the correction coefficient from the table above.

## 1-5. Capacity Correction Graph According to Temperature Condition

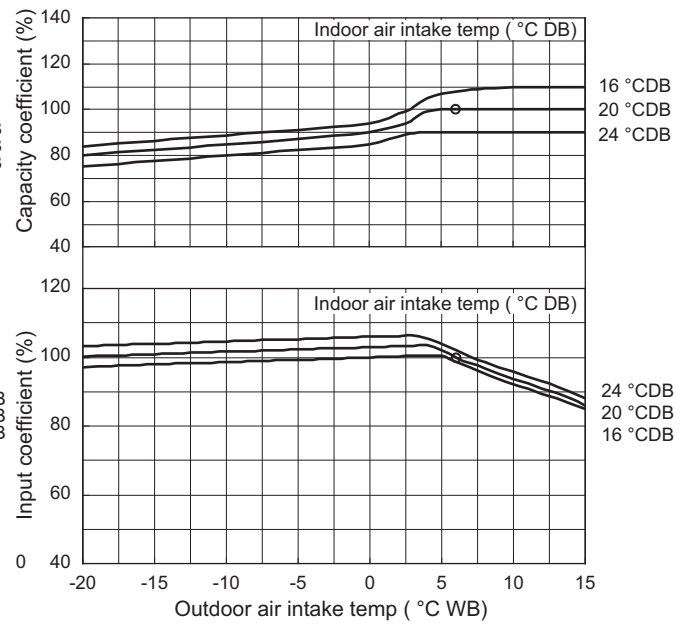
PE1

### ■ U-71PE1E5A (For 50 Hz) / U-71PE1E8A (For 50 Hz)

Cooling capacity ratio (maximum capacity)

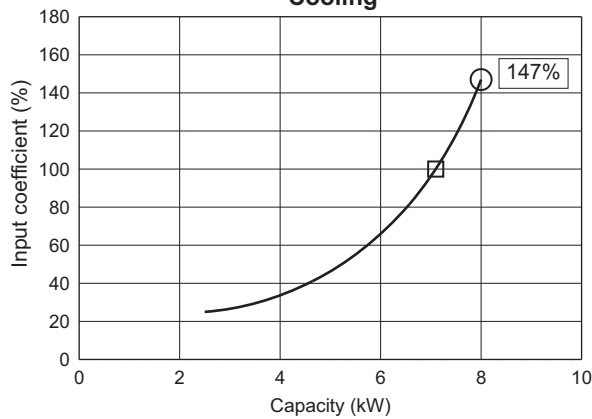


Heating capacity ratio (maximum capacity)

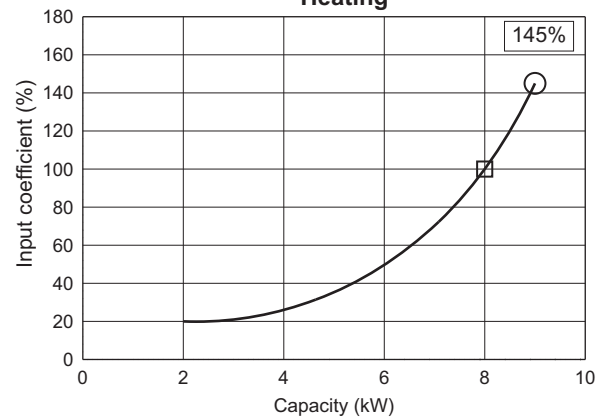


### ■ U-71PE1E5A (For 50 Hz)

Cooling

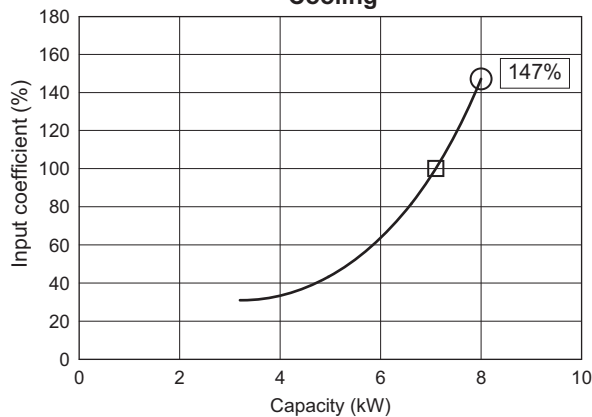


Heating

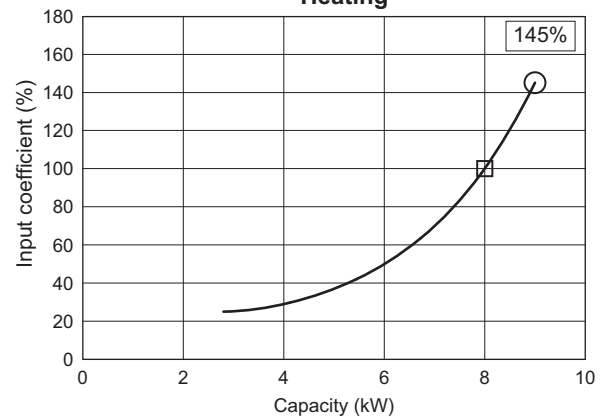


### ■ U-71PE1E8A (For 50 Hz)

Cooling



Heating



Outdoor unit heating capacity correction coefficient during of frosting/defrosting

(RH approximately 85%)

| Outdoor intake air temperature °C WB | -20 | -15 | -10  | -9   | -8   | -7   | -6   | -5   | -4   | -3   | -2   | -1   | 0    | 1    | 2    | 3    | 4    | 5    | 6   |
|--------------------------------------|-----|-----|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|
| Correction coefficient               | 1.0 | 1.0 | 0.97 | 0.96 | 0.96 | 0.95 | 0.94 | 0.91 | 0.89 | 0.88 | 0.87 | 0.87 | 0.87 | 0.88 | 0.89 | 0.91 | 0.92 | 0.95 | 1.0 |

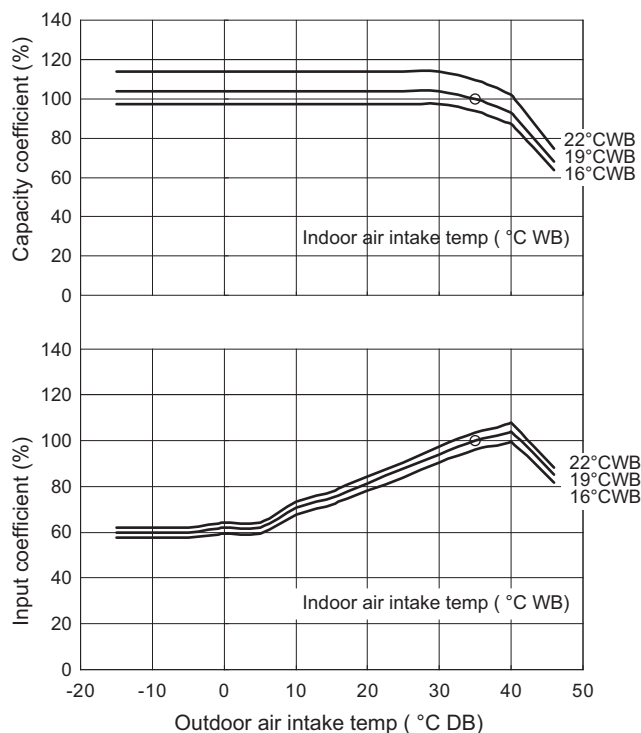
To calculate the heating capacity with consideration for frosting/defrosting operation, multiply the heating capacity found from the capacity graph by the correction coefficient from the table above.

## 1-5. Capacity Correction Graph According to Temperature Condition

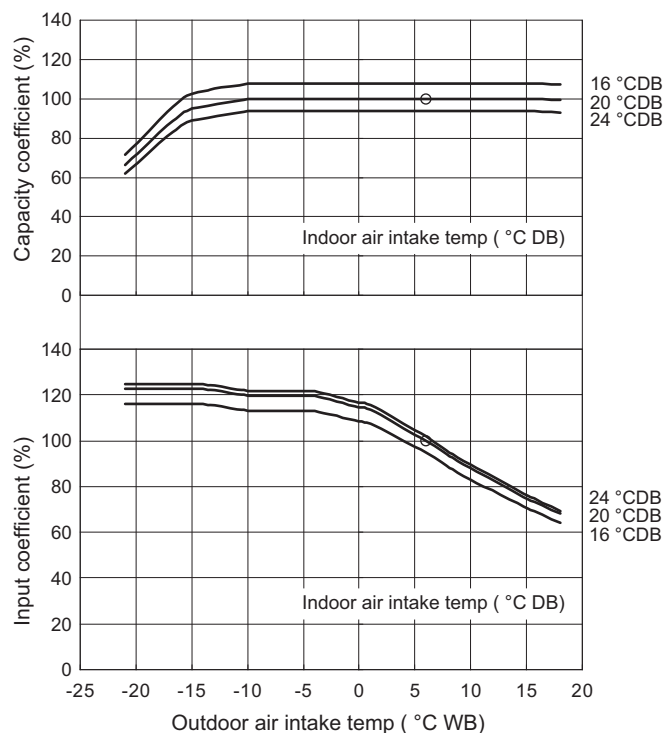
PE1

U-100PE1E5A (For 50 Hz) / U-100PE1E8A (For 50 Hz)

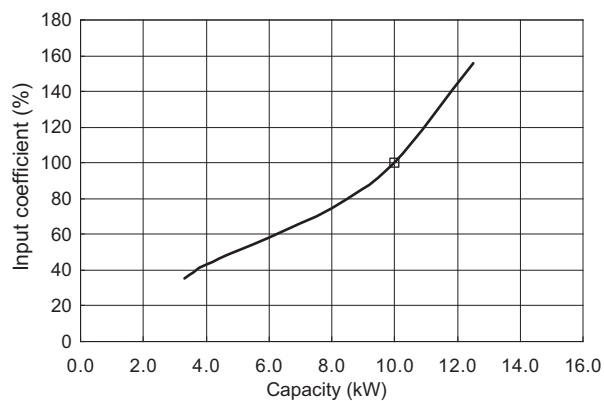
Cooling capacity ratio (maximum capacity)



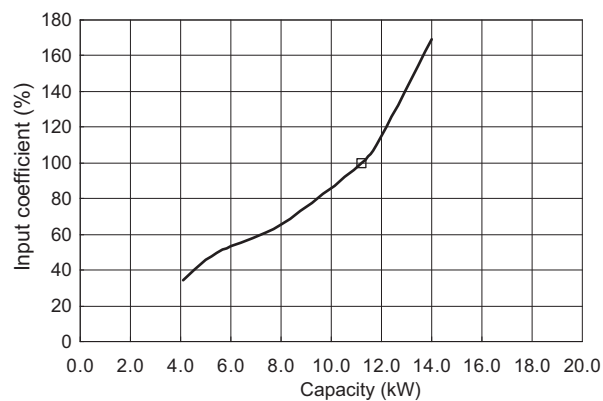
Heating capacity ratio (maximum capacity)



Cooling



Heating



Outdoor unit heating capacity correction coefficient during of frosting/defrosting

(RH approximately 85%)

| Outdoor intake air temperature °C WB | -20  | -15  | -10  | -9   | -8   | -7   | -6   | -5   | -4   | -3   | -2   | -1   | 0    | 1    | 2   | 3   | 4    | 5    | 6    | 7    | 8    | 9 | 10 |
|--------------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|-----|------|------|------|------|------|---|----|
| Correction coefficient               | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 | 0.84 | 0.84 | 0.82 | 0.8 | 0.8 | 0.82 | 0.84 | 0.86 | 0.88 | 0.88 | 1 | 1  |

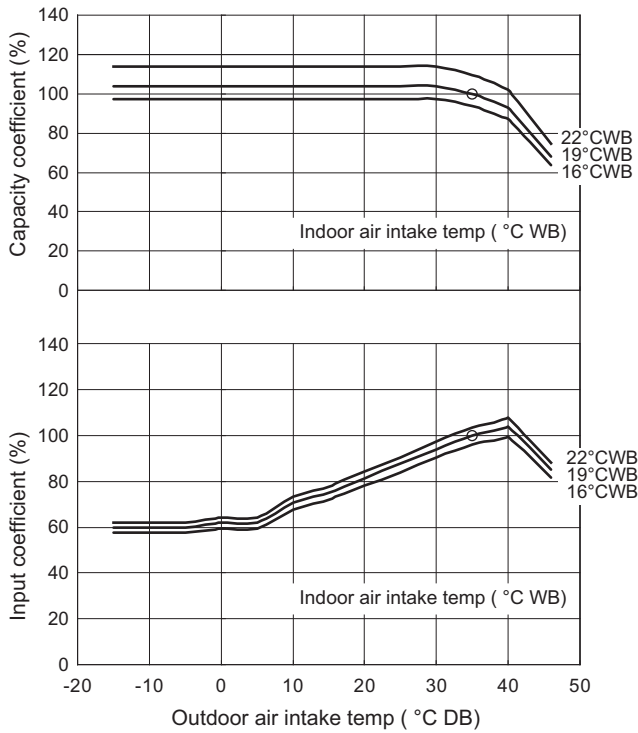
To calculate the heating capacity with consideration for frosting/defrosting operation, multiply the heating capacity found from the capacity graph by the correction coefficient from the table above.

## 1-5. Capacity Correction Graph According to Temperature Condition

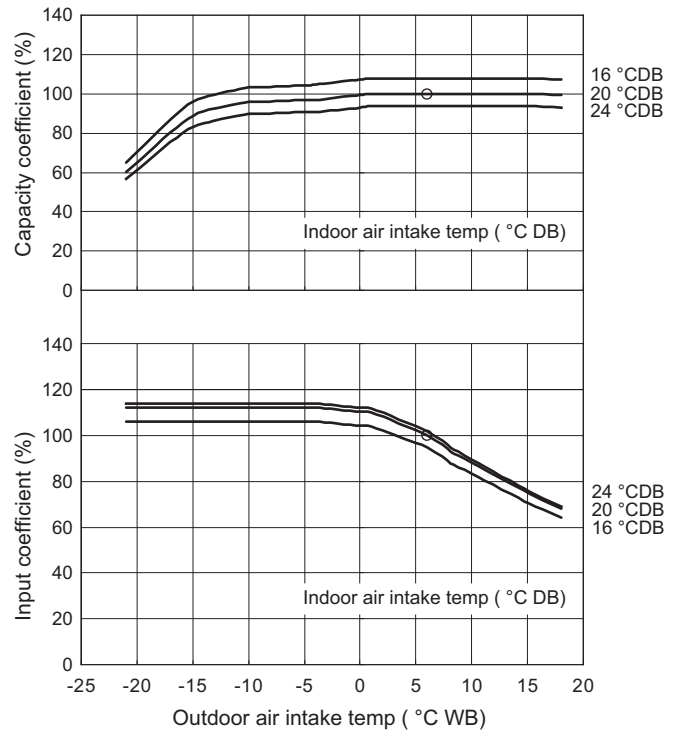
PE1

U-125PE1E5A (For 50 Hz) / U-125PE1E8A (For 50 Hz)

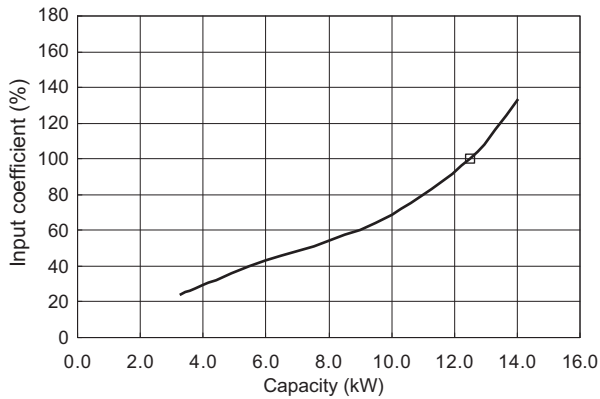
Cooling capacity ratio (maximum capacity)



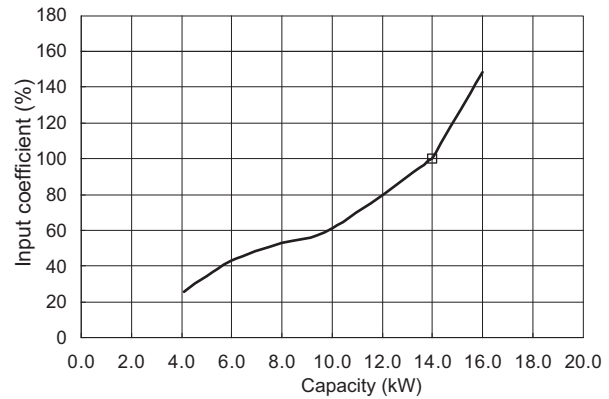
Heating capacity ratio (maximum capacity)



### Cooling



### Heating



Outdoor unit heating capacity correction coefficient during of frosting/defrosting

(RH approximately 85%)

| Outdoor intake air temperature °C WB | -20  | -15  | -10  | -9   | -8   | -7   | -6   | -5   | -4   | -3   | -2   | -1   | 0    | 1    | 2   | 3   | 4    | 5    | 6    | 7    | 8    | 9 | 10 |
|--------------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|-----|------|------|------|------|------|---|----|
| Correction coefficient               | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 | 0.84 | 0.84 | 0.82 | 0.8 | 0.8 | 0.82 | 0.84 | 0.86 | 0.88 | 0.88 | 1 | 1  |

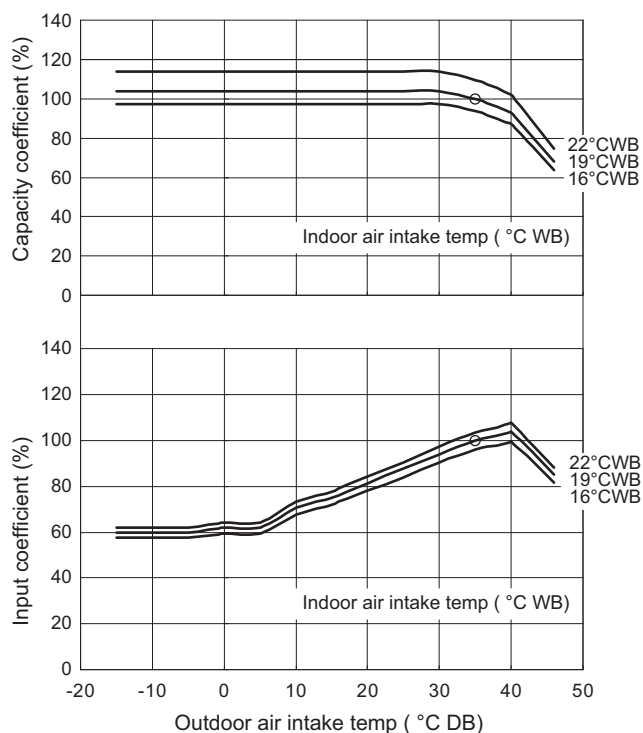
To calculate the heating capacity with consideration for frosting/defrosting operation, multiply the heating capacity found from the capacity graph by the correction coefficient from the table above.

## 1-5. Capacity Correction Graph According to Temperature Condition

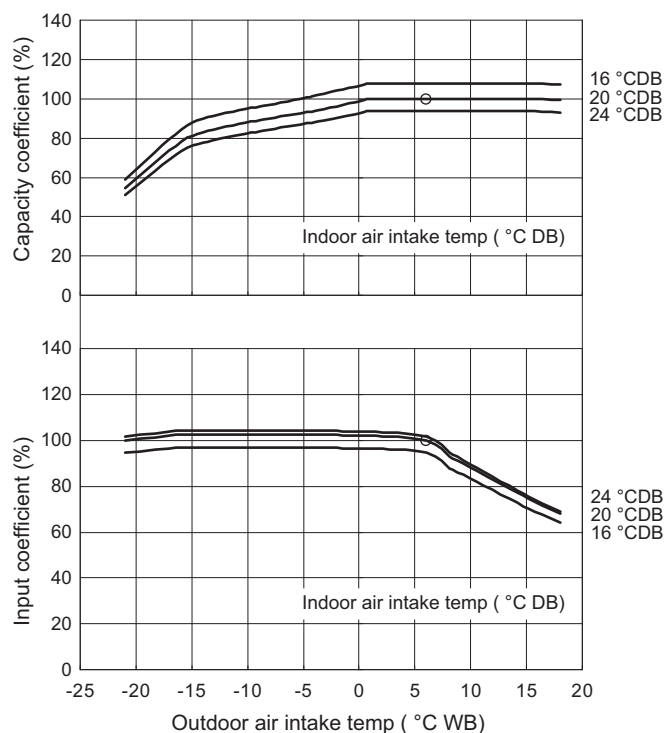
PE1

U-140PE1E5A (For 50 Hz) / U-140PE1E8A (For 50 Hz)

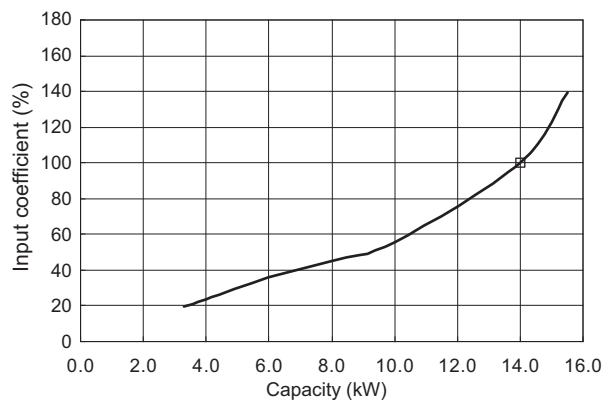
Cooling capacity ratio (maximum capacity)



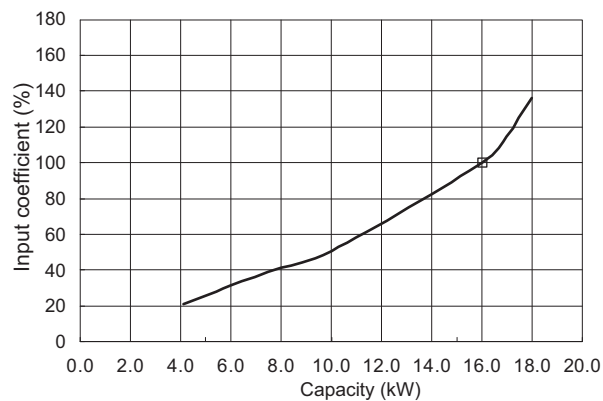
Heating capacity ratio (maximum capacity)



### Cooling



### Heating



Outdoor unit heating capacity correction coefficient during of frosting/defrosting

(RH approximately 85%)

| Outdoor intake air temperature °C WB | -20  | -15  | -10  | -9   | -8   | -7   | -6   | -5   | -4   | -3   | -2   | -1   | 0    | 1    | 2   | 3   | 4    | 5    | 6    | 7    | 8    | 9 | 10 |
|--------------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|-----|------|------|------|------|------|---|----|
| Correction coefficient               | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 | 0.84 | 0.84 | 0.82 | 0.8 | 0.8 | 0.82 | 0.84 | 0.86 | 0.88 | 0.88 | 1 | 1  |

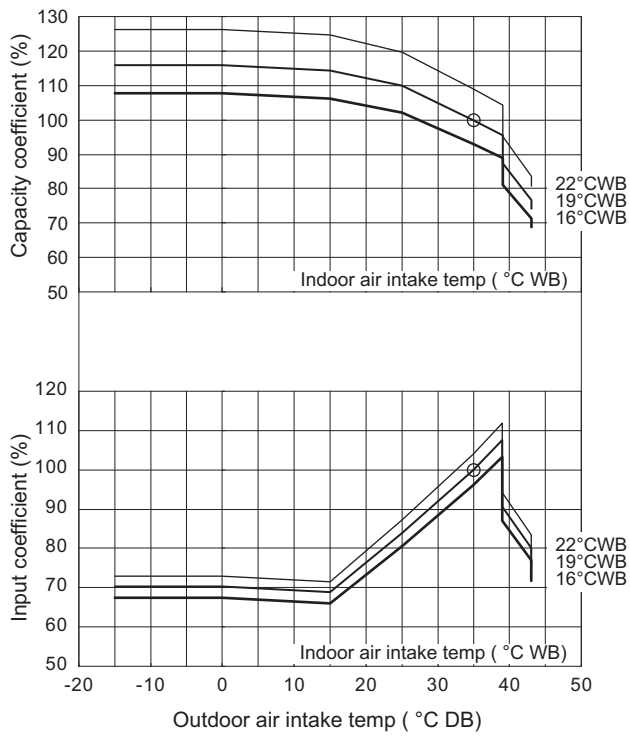
To calculate the heating capacity with consideration for frosting/defrosting operation, multiply the heating capacity found from the capacity graph by the correction coefficient from the table above.

# 1-5. Capacity Correction Graph According to Temperature Condition

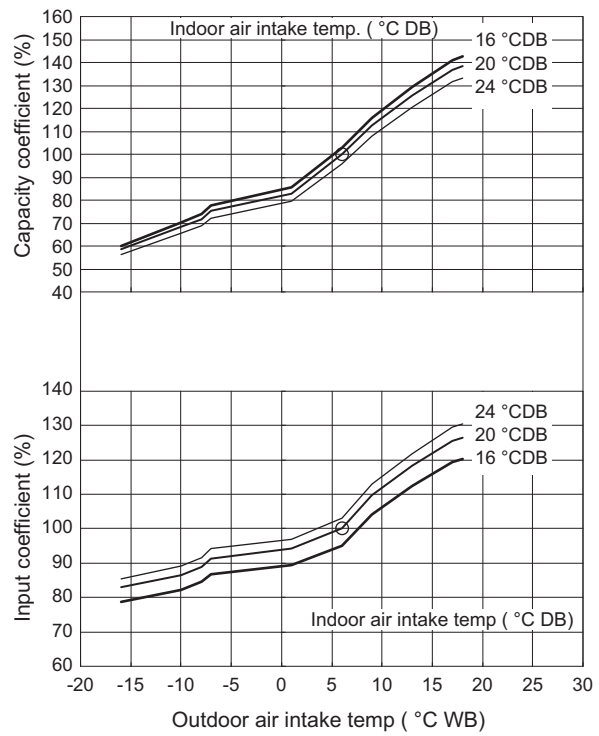
PEY1

U-60PEY1E5 (For 50 Hz)

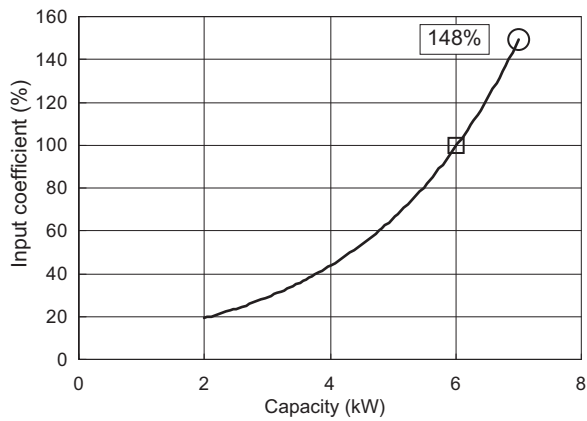
Cooling capacity ratio (maximum capacity)



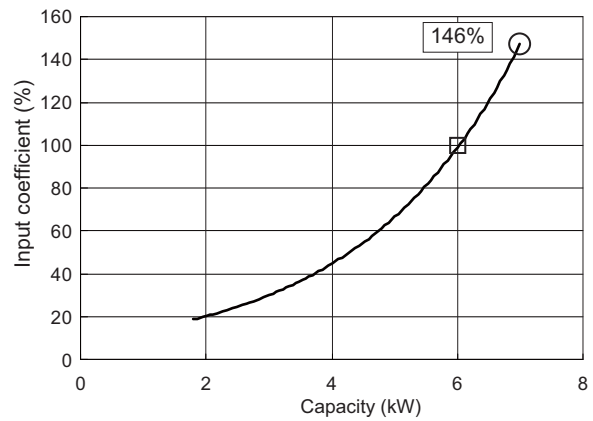
Heating capacity ratio (maximum capacity)



Cooling



Heating

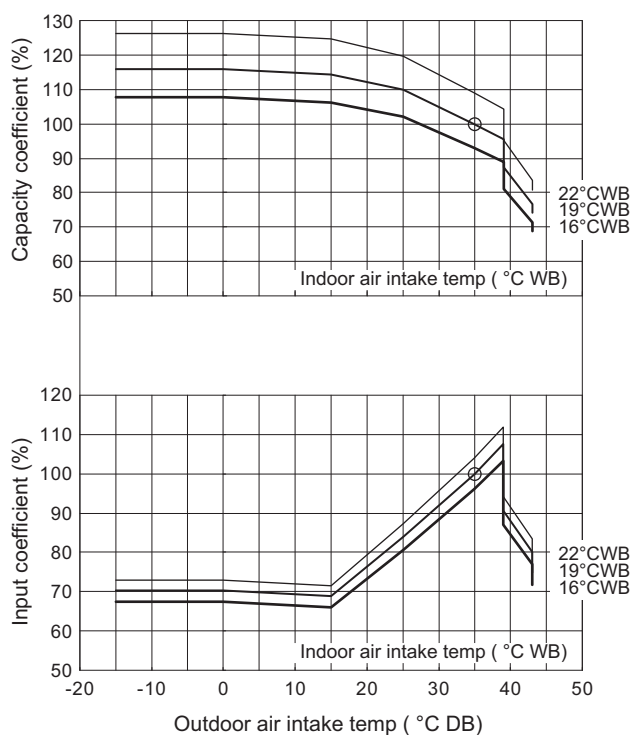


# 1-5. Capacity Correction Graph According to Temperature Condition

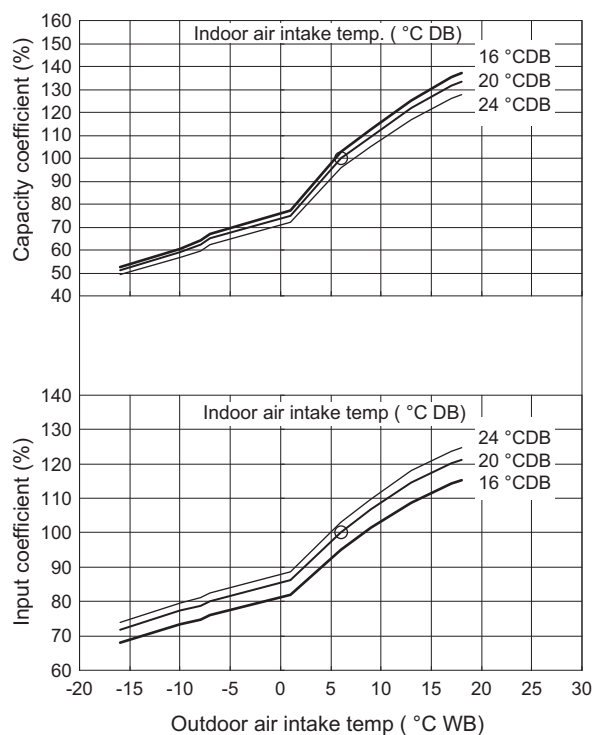
PEY1

U-71PEY1E5 (For 50 Hz)

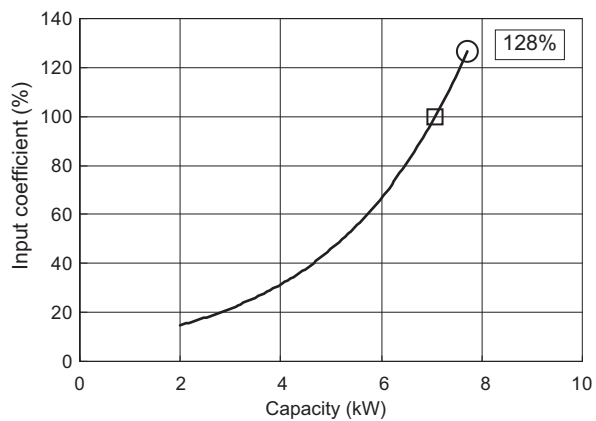
Cooling capacity ratio (maximum capacity)



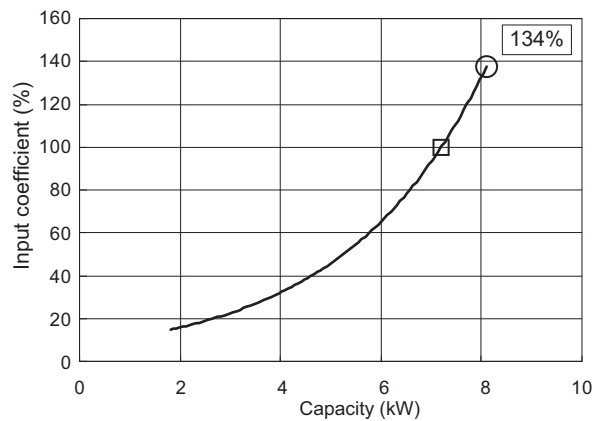
Heating capacity ratio (maximum capacity)



Cooling



Heating

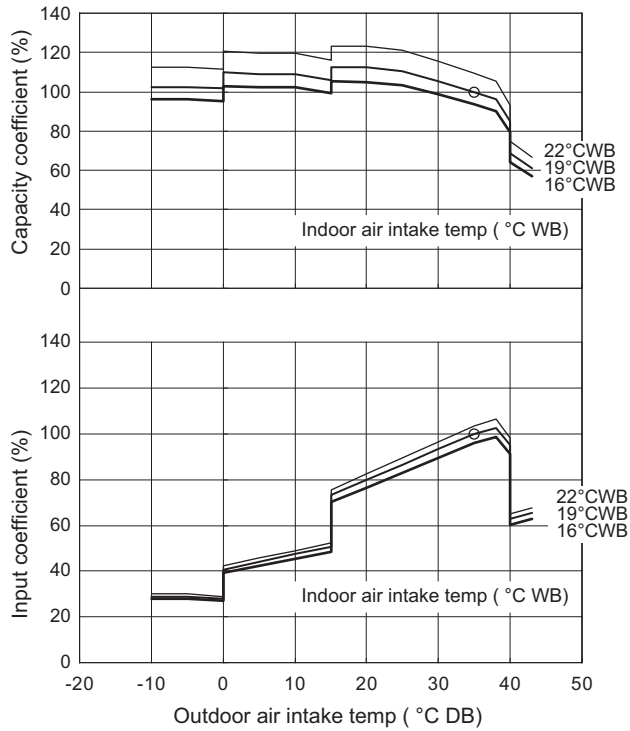


## 1-5. Capacity Correction Graph According to Temperature Condition

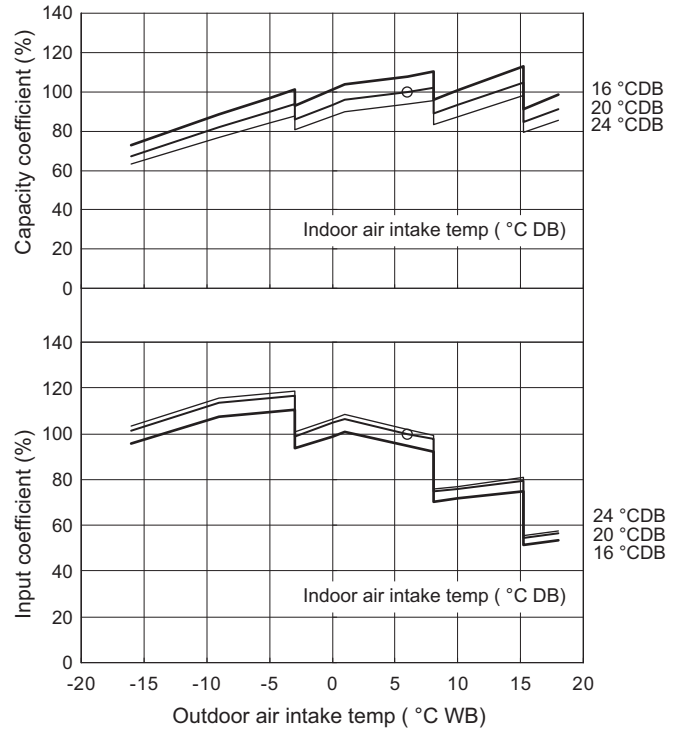
PEY1

U-100PEY1E5 (For 50 Hz) / U-100PEY1E8 (For 50 Hz)

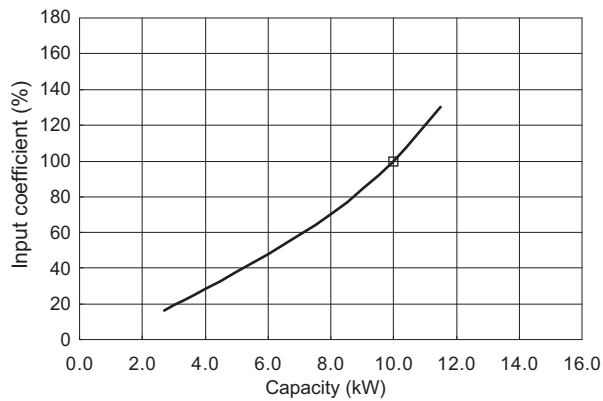
Cooling capacity ratio (maximum capacity)



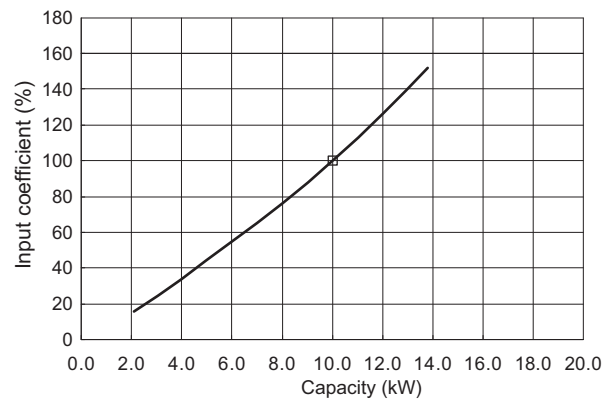
Heating capacity ratio (maximum capacity)



Cooling



Heating



Outdoor unit heating capacity correction coefficient during of frosting/defrosting

(RH approximately 85%)

| Outdoor intake air temperature °C WB | -20  | -15  | -10  | -9   | -8   | -7   | -6   | -5   | -4   | -3   | -2   | -1   | 0    | 1    | 2   | 3   | 4    | 5    | 6    | 7    | 8    | 9 | 10 |
|--------------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|-----|------|------|------|------|------|---|----|
| Correction coefficient               | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 | 0.84 | 0.84 | 0.82 | 0.8 | 0.8 | 0.82 | 0.84 | 0.86 | 0.88 | 0.88 | 1 | 1  |

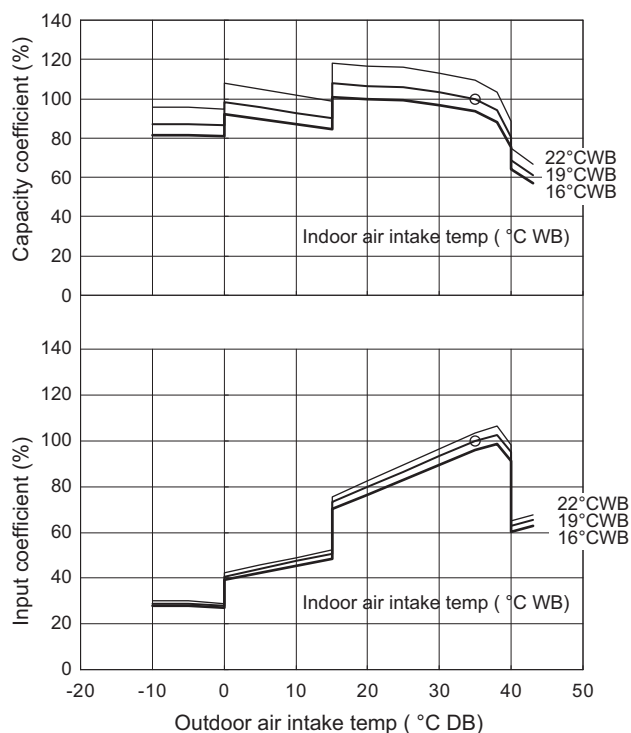
To calculate the heating capacity with consideration for frosting/defrosting operation, multiply the heating capacity found from the capacity graph by the correction coefficient from the table above.

## 1-5. Capacity Correction Graph According to Temperature Condition

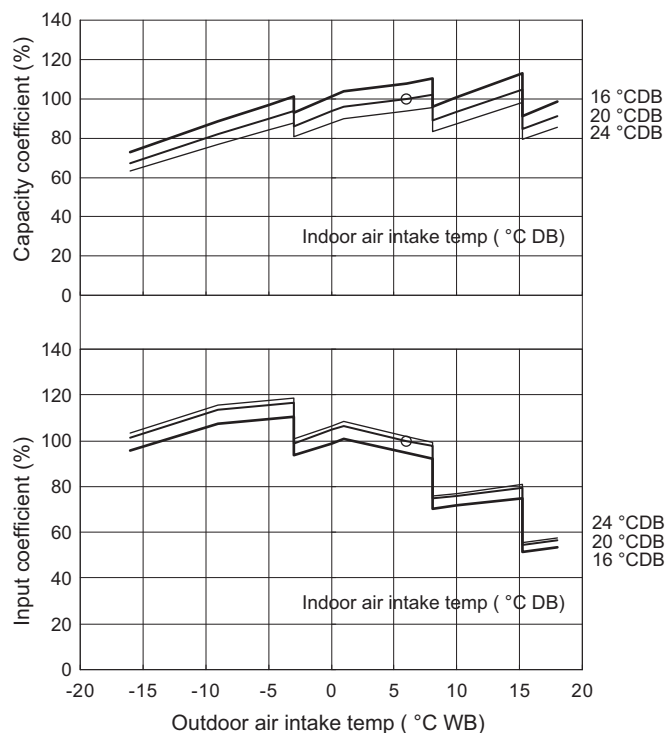
PEY1

U-125PEY1E5 (For 50 Hz) / U-125PEY1E8 (For 50 Hz)

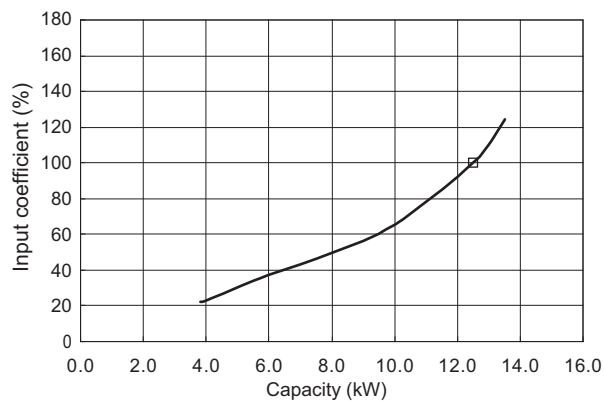
Cooling capacity ratio (maximum capacity)



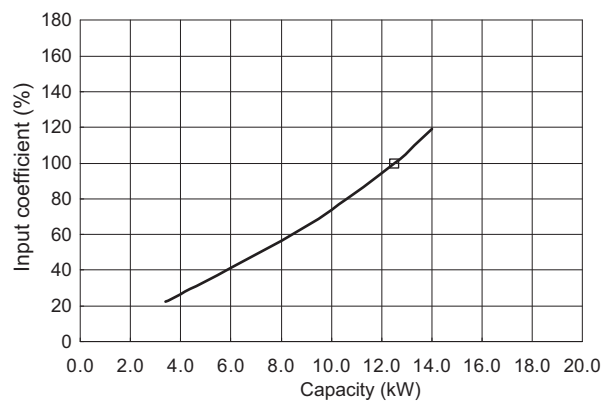
Heating capacity ratio (maximum capacity)



Cooling



Heating



Outdoor unit heating capacity correction coefficient during of frosting/defrosting

(RH approximately 85%)

| Outdoor intake air temperature °C WB | -20  | -15  | -10  | -9   | -8   | -7   | -6   | -5   | -4   | -3   | -2   | -1   | 0    | 1    | 2   | 3   | 4    | 5    | 6    | 7    | 8    | 9 | 10 |
|--------------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|-----|------|------|------|------|------|---|----|
| Correction coefficient               | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 | 0.84 | 0.84 | 0.82 | 0.8 | 0.8 | 0.82 | 0.84 | 0.86 | 0.88 | 0.88 | 1 | 1  |

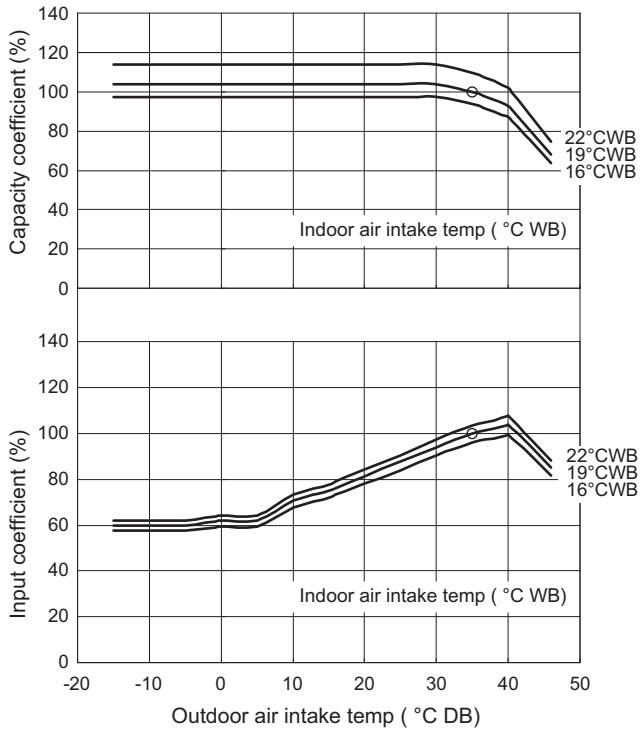
To calculate the heating capacity with consideration for frosting/defrosting operation, multiply the heating capacity found from the capacity graph by the correction coefficient from the table above.

## 1-5. Capacity Correction Graph According to Temperature Condition

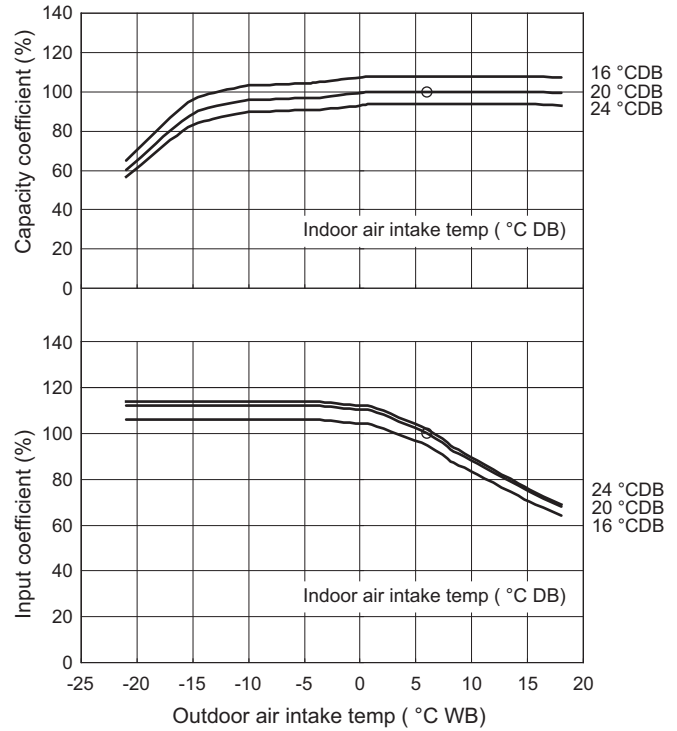
PEY1

U-140PEY1E8 (For 50 Hz)

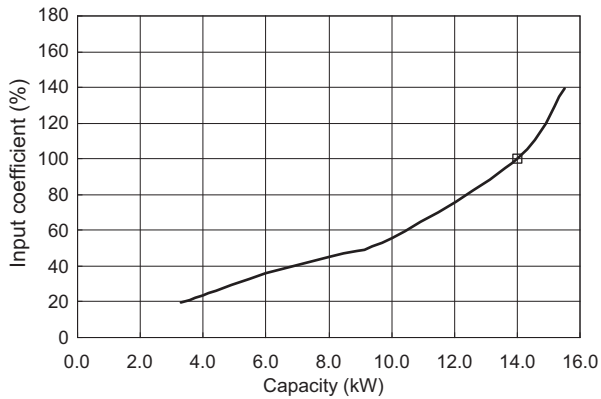
Cooling capacity ratio (maximum capacity)



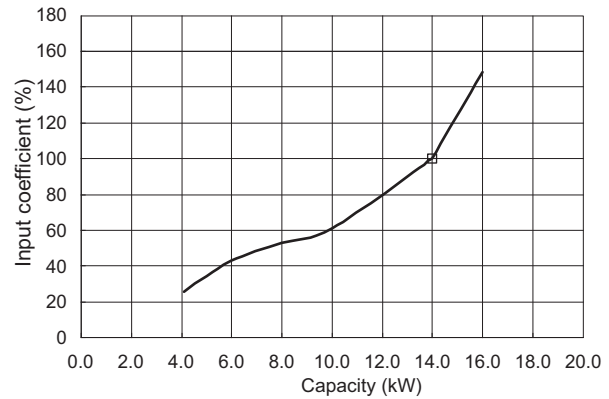
Heating capacity ratio (maximum capacity)



### Cooling



### Heating



Outdoor unit heating capacity correction coefficient during of frosting/defrosting

(RH approximately 85%)

| Outdoor intake air temperature °C WB | -20  | -15  | -10  | -9   | -8   | -7   | -6   | -5   | -4   | -3   | -2   | -1   | 0    | 1    | 2   | 3   | 4    | 5    | 6    | 7    | 8    | 9 | 10 |
|--------------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|-----|------|------|------|------|------|---|----|
| Correction coefficient               | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 | 0.84 | 0.84 | 0.82 | 0.8 | 0.8 | 0.82 | 0.84 | 0.86 | 0.88 | 0.88 | 1 | 1  |

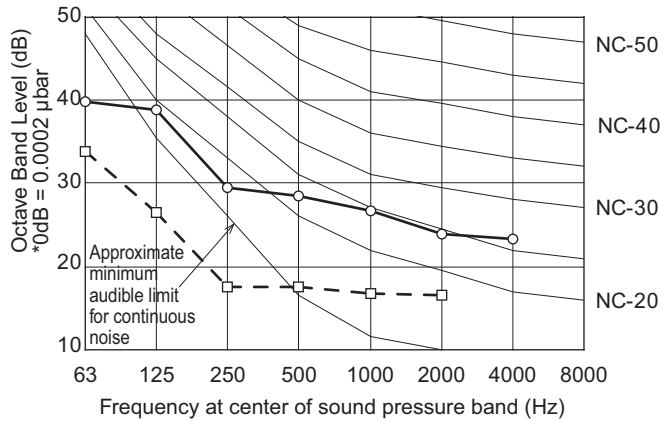
To calculate the heating capacity with consideration for frosting/defrosting operation, multiply the heating capacity found from the capacity graph by the correction coefficient from the table above.

## 1-6. Noise Criterion Curves

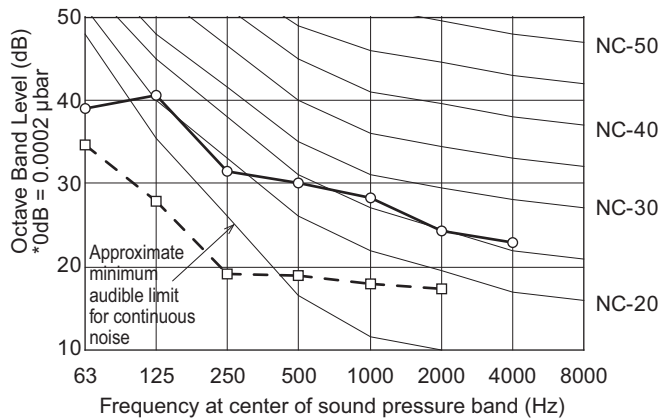
### (A) Indoor Units

#### Low Silhouette Ducted Type

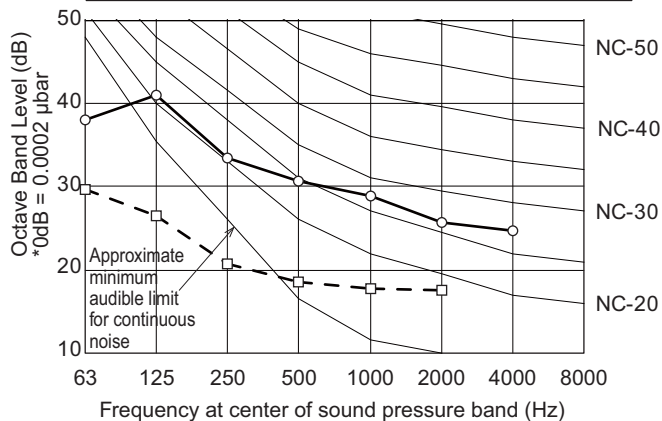
|             |                               |
|-------------|-------------------------------|
| MODEL       | : S-36PF1E5A                  |
| SOUND LEVEL | : High 33 dB(A)               |
|             | : Low 25 dB(A)                |
| CONDITION   | : Under the unit 1.5m         |
| SOURCE      | : 220-230-240V, 1 phase, 50Hz |



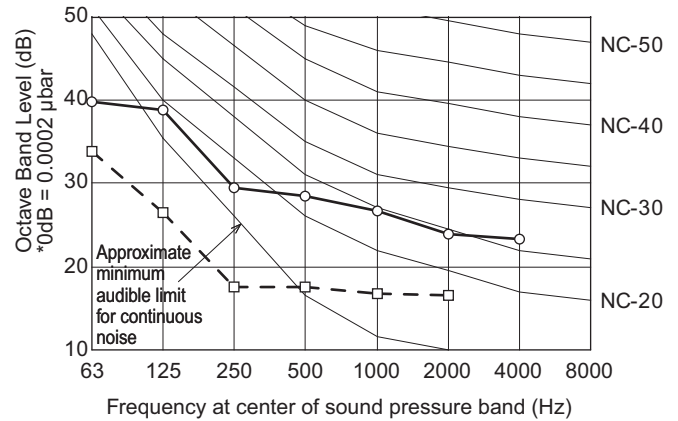
|             |                               |
|-------------|-------------------------------|
| MODEL       | : S-50PF1E5A                  |
| SOUND LEVEL | : High 34 dB(A)               |
|             | : Low 26 dB(A)                |
| CONDITION   | : Under the unit 1.5m         |
| SOURCE      | : 220-230-240V, 1 phase, 50Hz |



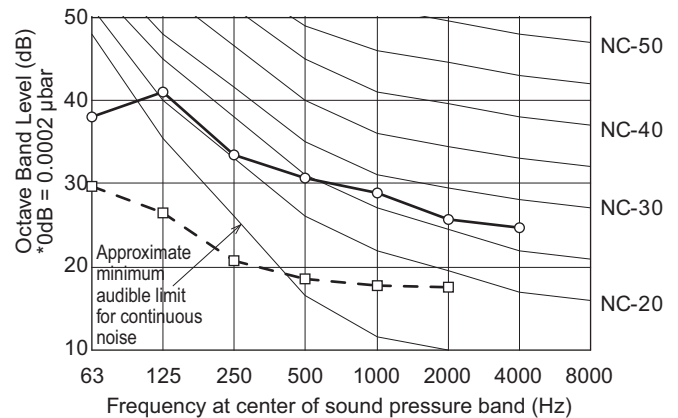
|             |                               |
|-------------|-------------------------------|
| MODEL       | : S-71PF1E5A                  |
| SOUND LEVEL | : High 35 dB(A)               |
|             | : Low 26 dB(A)                |
| CONDITION   | : Under the unit 1.5m         |
| SOURCE      | : 220-230-240V, 1 phase, 50Hz |



|             |                               |
|-------------|-------------------------------|
| MODEL       | : S-45PF1E5A                  |
| SOUND LEVEL | : High 33 dB(A)               |
|             | : Low 25 dB(A)                |
| CONDITION   | : Under the unit 1.5m         |
| SOURCE      | : 220-230-240V, 1 phase, 50Hz |



|             |                               |
|-------------|-------------------------------|
| MODEL       | : S-60PF1E5A                  |
| SOUND LEVEL | : High 35 dB(A)               |
|             | : Low 26 dB(A)                |
| CONDITION   | : Under the unit 1.5m         |
| SOURCE      | : 220-230-240V, 1 phase, 50Hz |

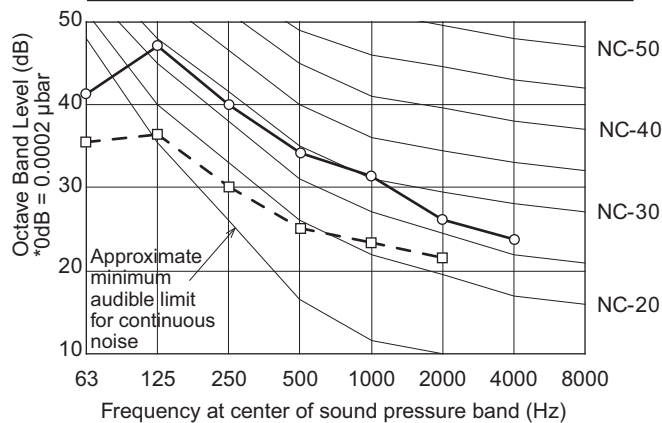


## 1-6. Noise Criterion Curves

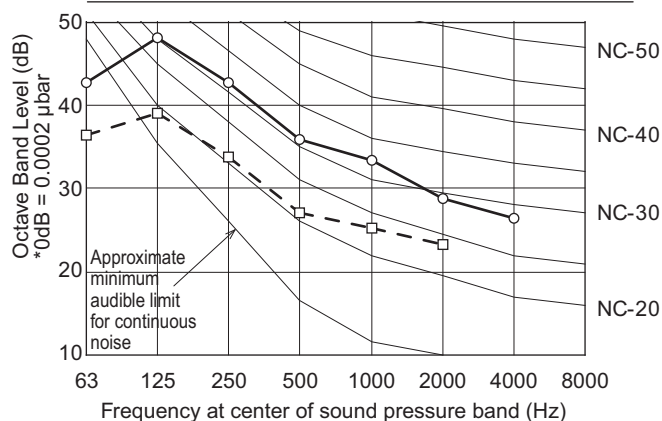
### (A) Indoor Units

#### Low Silhouette Ducted Type

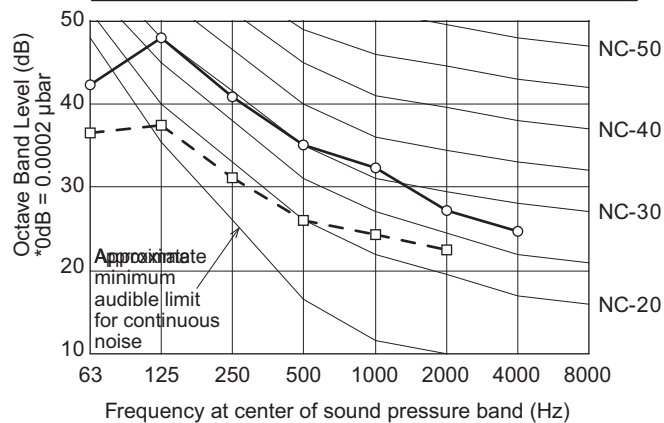
|             |                               |
|-------------|-------------------------------|
| MODEL       | : S-100PF1E5A                 |
| SOUND LEVEL | : High 38 dB(A)               |
|             | : Low 31 dB(A)                |
| CONDITION   | : Under the unit 1.5m         |
| SOURCE      | : 220-230-240V, 1 phase, 50Hz |



|             |                               |
|-------------|-------------------------------|
| MODEL       | : S-140PF1E5A                 |
| SOUND LEVEL | : High 40 dB(A)               |
|             | : Low 33 dB(A)                |
| CONDITION   | : Under the unit 1.5m         |
| SOURCE      | : 220-230-240V, 1 phase, 50Hz |



|             |                               |
|-------------|-------------------------------|
| MODEL       | : S-125PF1E5A                 |
| SOUND LEVEL | : High 39 dB(A)               |
|             | : Low 32 dB(A)                |
| CONDITION   | : Under the unit 1.5m         |
| SOURCE      | : 220-230-240V, 1 phase, 50Hz |



## 1-6. Noise Criterion Curves

### (A) Indoor Units

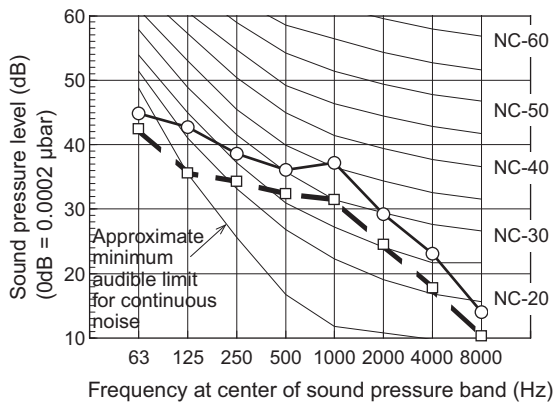
#### Ducted Type

MODEL : S-36PN1E5A

SOUND LEVEL : HIGH 40 dB(A)  
LOW 35 dB(A)

CONDITION : Under the unit 1.5m

SOURCE : 220-230-240V , Single Phase , 50Hz

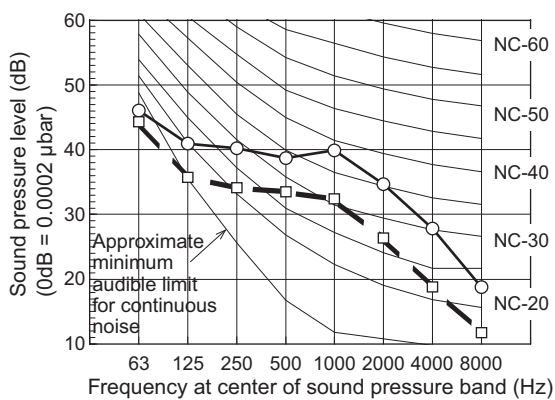


MODEL : S-60PN1E5A  
S-71PN1E5A

SOUND LEVEL : HIGH 43 dB(A)  
LOW 36 dB(A)

CONDITION : Under the unit 1.5m

SOURCE : 220-230-240V , Single Phase , 50Hz

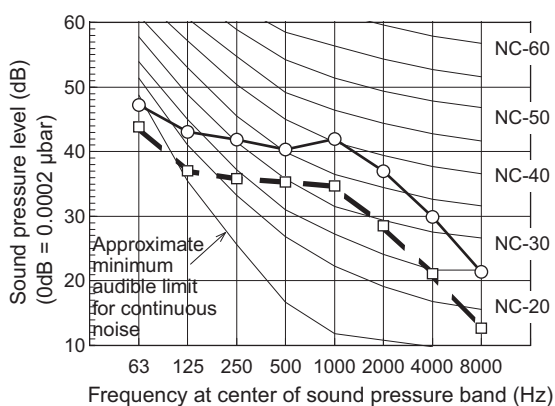


MODEL : S-125PN1E5A

SOUND LEVEL : HIGH 45 dB(A)  
LOW 38 dB(A)

CONDITION : Under the unit 1.5m

SOURCE : 220-230-240V , Single Phase , 50Hz

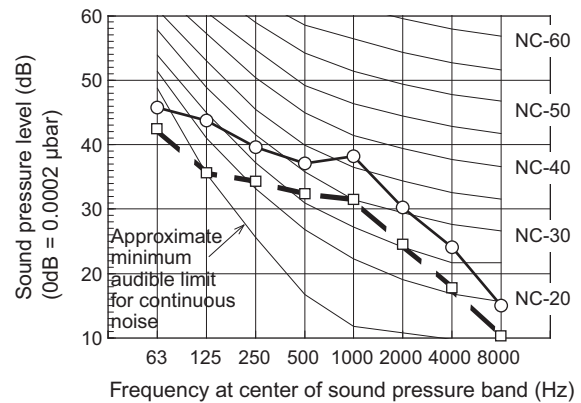


MODEL : S-45PN1E5A  
S-50PN1E5A

SOUND LEVEL : HIGH 41 dB(A)  
LOW 35 dB(A)

CONDITION : Under the unit 1.5m

SOURCE : 220-230-240V , Single Phase , 50Hz

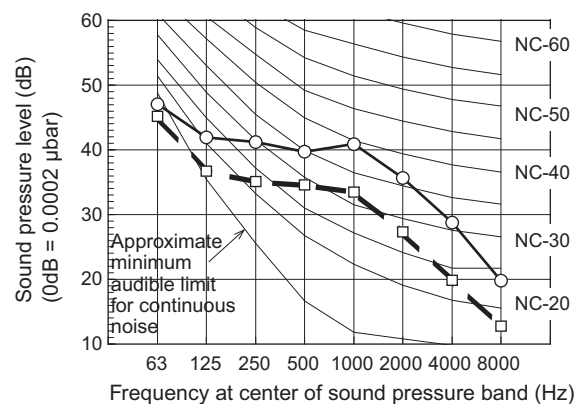


MODEL : S-100PN1E5A

SOUND LEVEL : HIGH 44 dB(A)  
LOW 37 dB(A)

CONDITION : Under the unit 1.5m

SOURCE : 220-230-240V , Single Phase , 50Hz

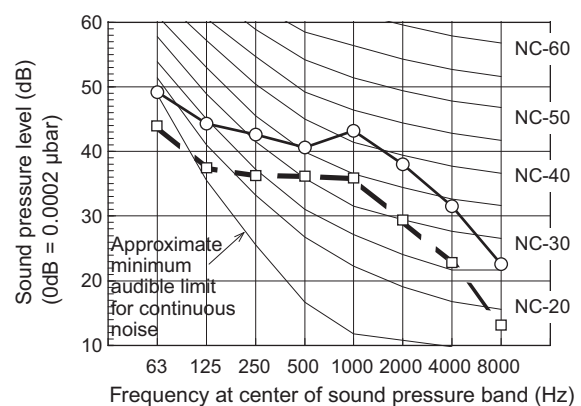


MODEL : S-140PN1E5A

SOUND LEVEL : HIGH 46 dB(A)  
LOW 39 dB(A)

CONDITION : Under the unit 1.5m

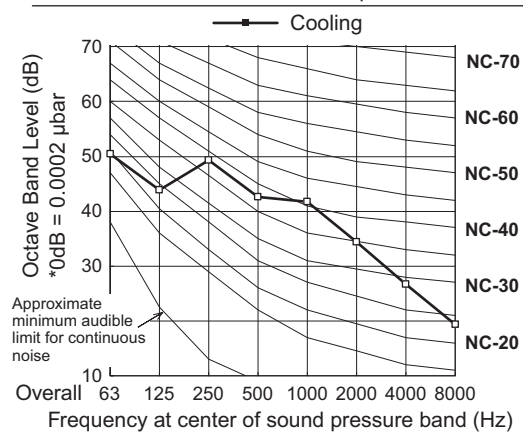
SOURCE : 220-230-240V , Single Phase , 50Hz



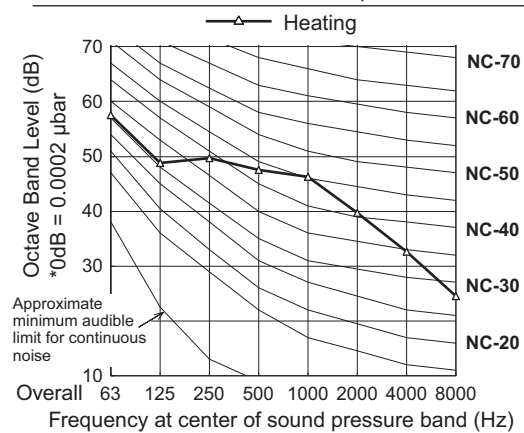
## 1-6. Noise Criterion Curves

### (B) Outdoor Unit

|                       |                                   |
|-----------------------|-----------------------------------|
| MODEL                 | : U-50PE1E5                       |
| SOUND LEVEL : Cooling | 46 dB(A)                          |
| CONDITION             | : 1 m in front at height of 1.5 m |
| SOURCE                | : 220-230-240V, 1 phase, 50Hz     |



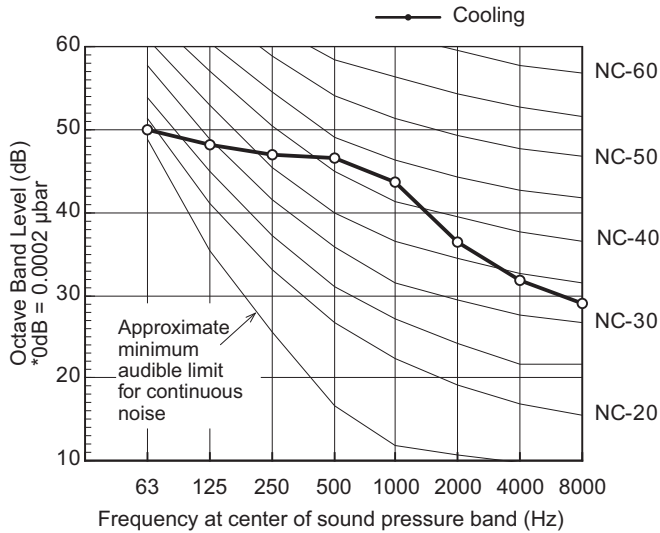
|                       |                                   |
|-----------------------|-----------------------------------|
| MODEL                 | : U-50PE1E5                       |
| SOUND LEVEL : Heating | 50 dB(A)                          |
| CONDITION             | : 1 m in front at height of 1.5 m |
| SOURCE                | : 220-230-240V, 1 phase, 50Hz     |



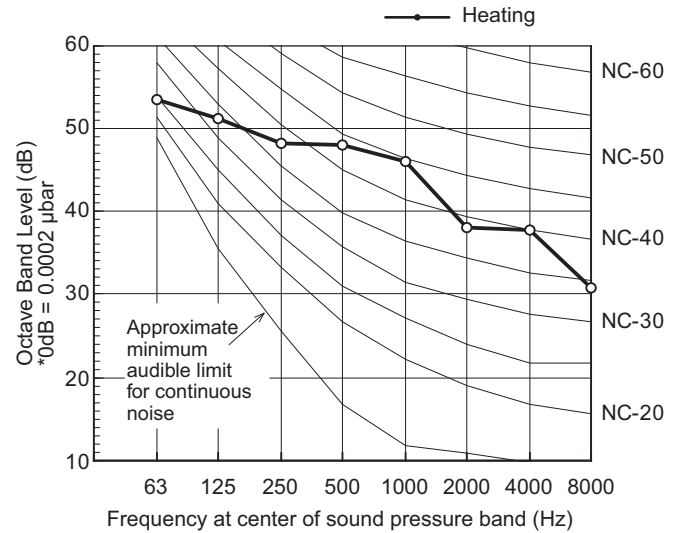
## 1-6. Noise Criterion Curves

### (B) Outdoor Unit

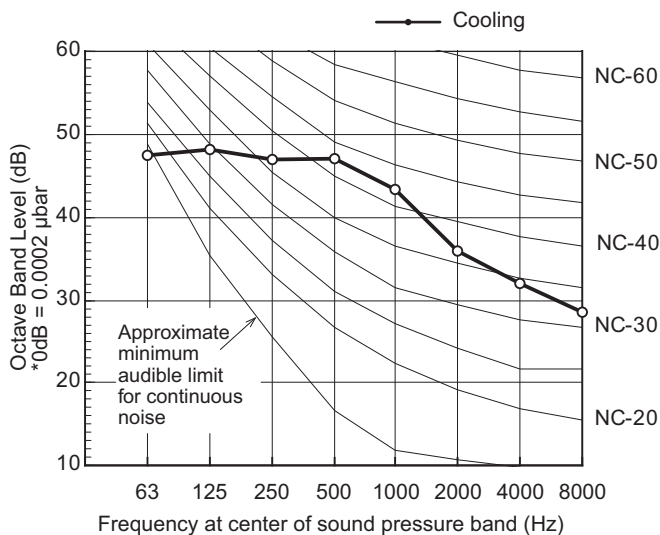
|             |                                   |
|-------------|-----------------------------------|
| MODEL       | : U-60PE1E5A                      |
| SOUND LEVEL | : Cooling 48 dB(A)                |
| CONDITION   | : 1 m in front at height of 1.5 m |
| SOURCE      | : 220-230-240V, 1 phase, 50Hz     |



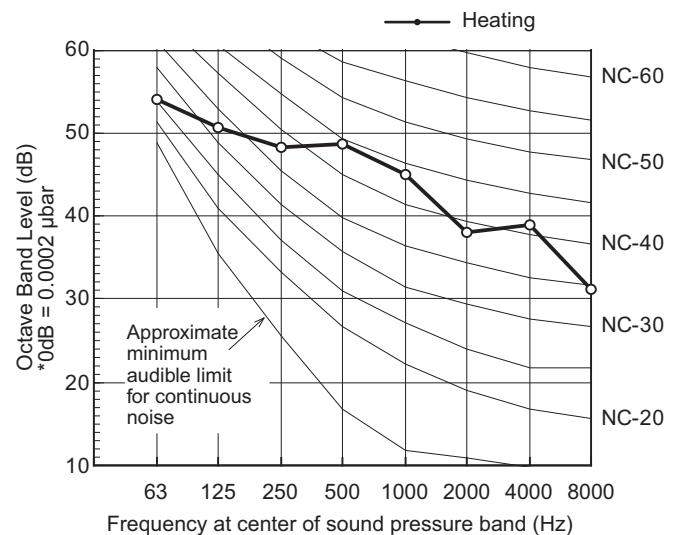
|             |                                   |
|-------------|-----------------------------------|
| MODEL       | : U-60PE1E5A                      |
| SOUND LEVEL | : Heating 50 dB(A)                |
| CONDITION   | : 1 m in front at height of 1.5 m |
| SOURCE      | : 220-230-240V, 1 phase, 50Hz     |



|             |                                                                                            |
|-------------|--------------------------------------------------------------------------------------------|
| MODEL       | : U-71PE1E5A, U-71PE1E8A                                                                   |
| SOUND LEVEL | : Cooling 48 dB(A)                                                                         |
| CONDITION   | : 1 m in front at height of 1.5 m                                                          |
| SOURCE      | 1 phase model : 220-230-240V, 1 phase, 50Hz<br>3 phase model : 380-400-415V, 3 phase, 50Hz |



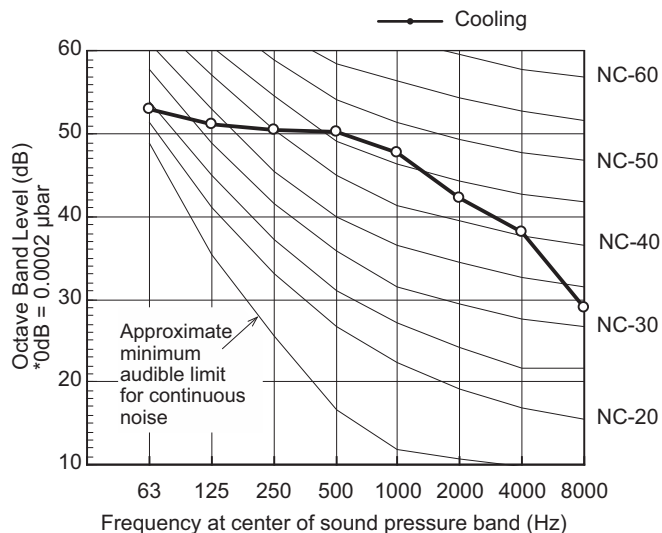
|             |                                                                                            |
|-------------|--------------------------------------------------------------------------------------------|
| MODEL       | : U-71PE1E5A, U-71PE1E8A                                                                   |
| SOUND LEVEL | : Heating 50 dB(A)                                                                         |
| CONDITION   | : 1 m in front at height of 1.5 m                                                          |
| SOURCE      | 1 phase model : 220-230-240V, 1 phase, 50Hz<br>3 phase model : 380-400-415V, 3 phase, 50Hz |



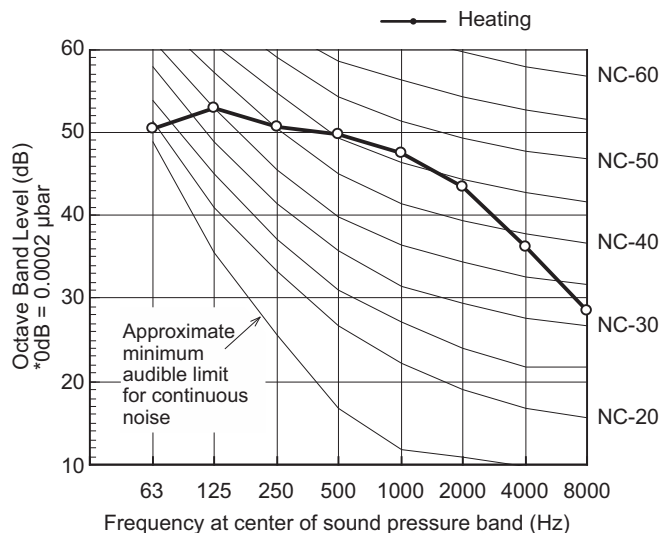
## 1-6. Noise Criterion Curves

### (B) Outdoor Unit

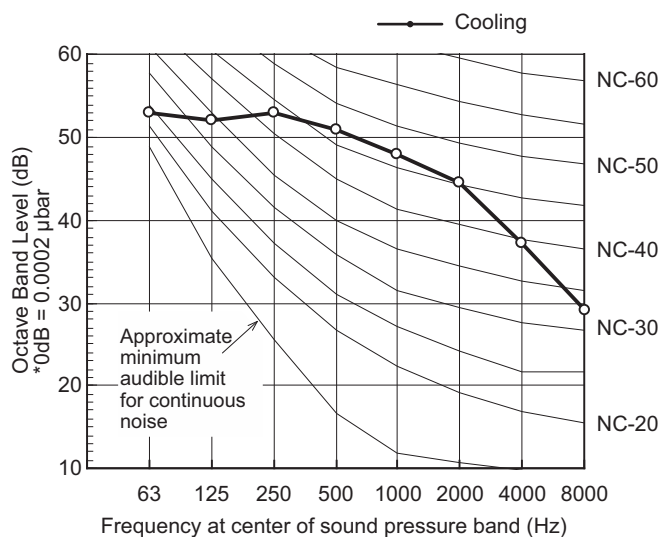
MODEL : U-100PE1E5A, U-100PE1E8A  
 SOUND LEVEL : Cooling 52 dB(A)  
 CONDITION : 1 m in front at height of 1.5 m  
 SOURCE 1 phase model : 220-230-240V, 1 phase, 50Hz  
 3 phase model : 380-400-415V, 3 phase, 50Hz



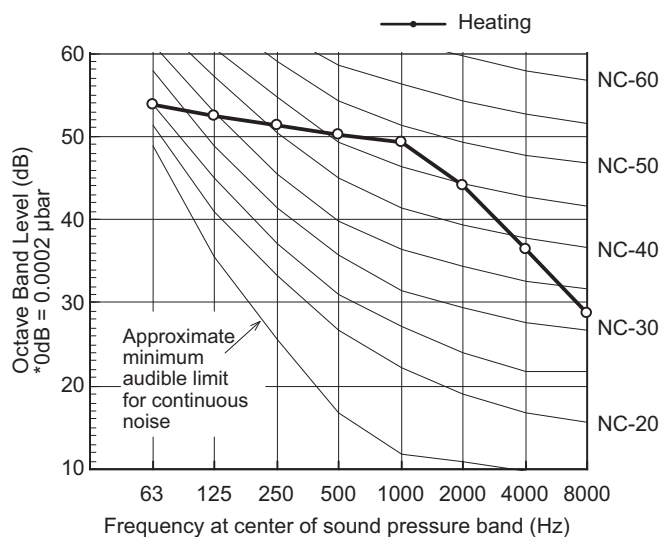
MODEL : U-100PE1E5A, U-100PE1E8A  
 SOUND LEVEL : Heating 52 dB(A)  
 CONDITION : 1 m in front at height of 1.5 m  
 SOURCE 1 phase model : 220-230-240V, 1 phase, 50Hz  
 3 phase model : 380-400-415V, 3 phase, 50Hz



MODEL : U-125PE1E5A, U-125PE1E8A  
 SOUND LEVEL : Cooling 53 dB(A)  
 CONDITION : 1 m in front at height of 1.5 m  
 SOURCE 1 phase model : 220-230-240V, 1 phase, 50Hz  
 3 phase model : 380-400-415V, 3 phase, 50Hz



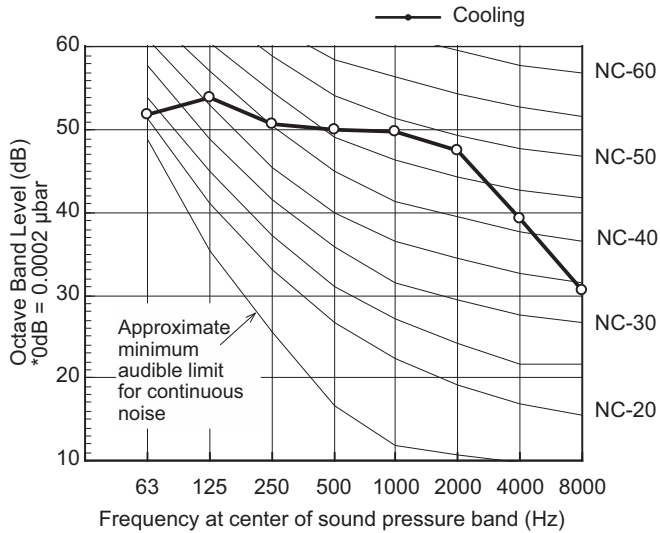
MODEL : U-125PE1E5A, U-125PE1E8A  
 SOUND LEVEL : Heating 53 dB(A)  
 CONDITION : 1 m in front at height of 1.5 m  
 SOURCE 1 phase model : 220-230-240V, 1 phase, 50Hz  
 3 phase model : 380-400-415V, 3 phase, 50Hz



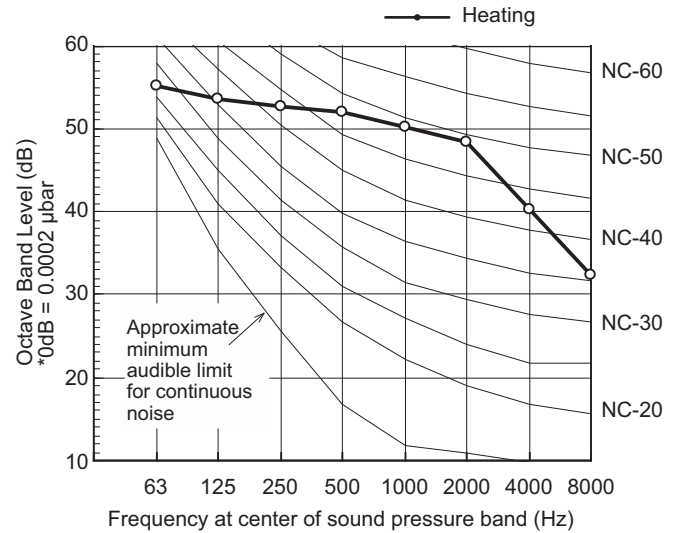
## 1-6. Noise Criterion Curves

### (B) Outdoor Unit

MODEL : U-140PE1E5A, U-140PE1E8A  
 SOUND LEVEL : Cooling 54 dB(A)  
 CONDITION : 1 m in front at height of 1.5 m  
 SOURCE 1 phase model : 220-230-240V, 1 phase, 50Hz  
 3 phase model : 380-400-415V, 3 phase, 50Hz



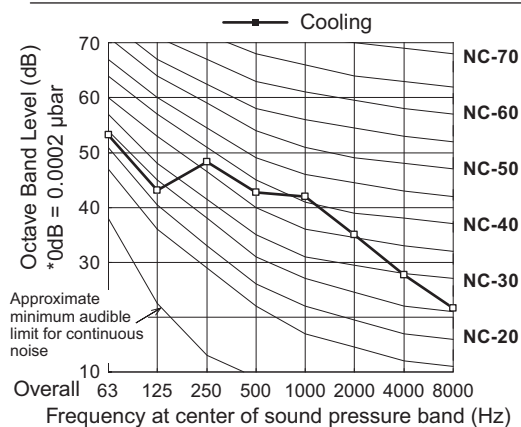
MODEL : U-140PE1E5A, U-140PE1E8A  
 SOUND LEVEL : Heating 55 dB(A)  
 CONDITION : 1 m in front at height of 1.5 m  
 SOURCE 1 phase model : 220-230-240V, 1 phase, 50Hz  
 3 phase model : 380-400-415V, 3 phase, 50Hz



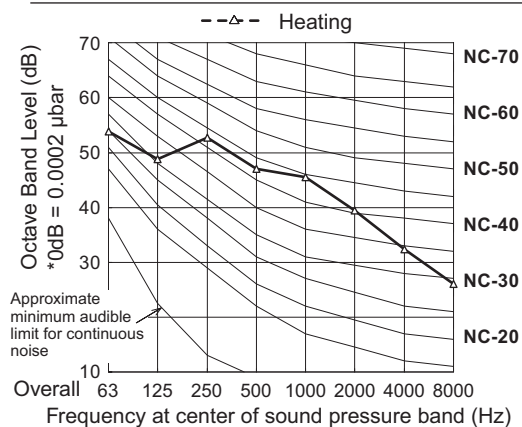
## 1-6. Noise Criterion Curves

### (B) Outdoor Unit

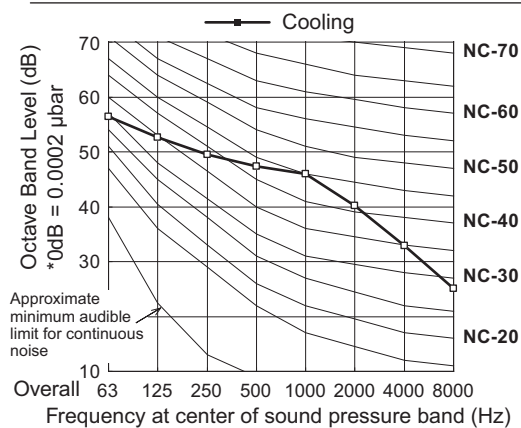
|             |                                   |
|-------------|-----------------------------------|
| MODEL       | : U-60PEY1E5                      |
| SOUND LEVEL | : Cooling 46 dB(A)                |
| CONDITION   | : 1 m in front at height of 1.5 m |
| SOURCE      | : 220-230-240V, 1 phase, 50Hz     |



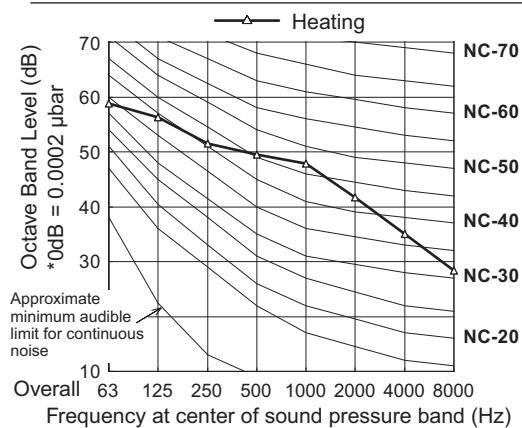
|             |                                   |
|-------------|-----------------------------------|
| MODEL       | : U-60PEY1E5                      |
| SOUND LEVEL | : Heating 50 dB(A)                |
| CONDITION   | : 1 m in front at height of 1.5 m |
| SOURCE      | : 220-230-240V, 1 phase, 50Hz     |



|             |                                   |
|-------------|-----------------------------------|
| MODEL       | : U-71PEY1E5                      |
| SOUND LEVEL | : Cooling 50 dB(A)                |
| CONDITION   | : 1 m in front at height of 1.5 m |
| SOURCE      | : 220-230-240V, 1 phase, 50Hz     |



|             |                                   |
|-------------|-----------------------------------|
| MODEL       | : U-71PEY1E5                      |
| SOUND LEVEL | : Heating 52 dB(A)                |
| CONDITION   | : 1 m in front at height of 1.5 m |
| SOURCE      | : 220-230-240V, 1 phase, 50Hz     |



## 1-6. Noise Criterion Curves

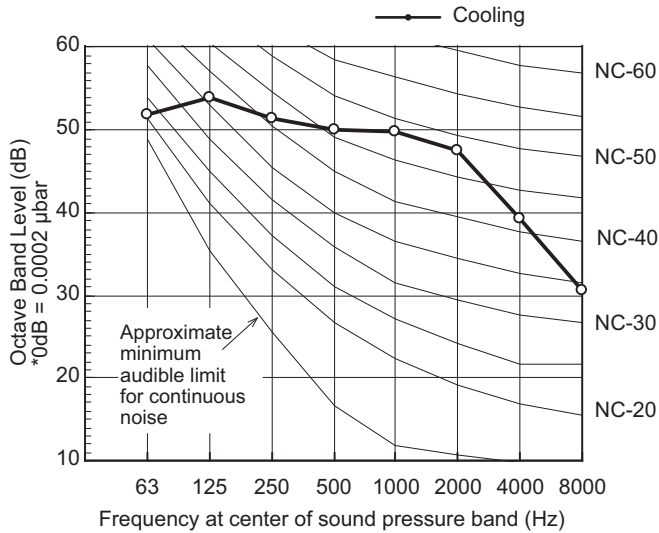
### (B) Outdoor Unit

MODEL : U-100PEY1E5, U-100PEY1E8

SOUND LEVEL : Cooling 54 dB(A)

CONDITION : 1 m in front at height of 1.5 m

SOURCE 1 phase model : 220-230-240V, 1 phase, 50Hz  
3 phase model : 380-400-415V, 3 phase, 50Hz

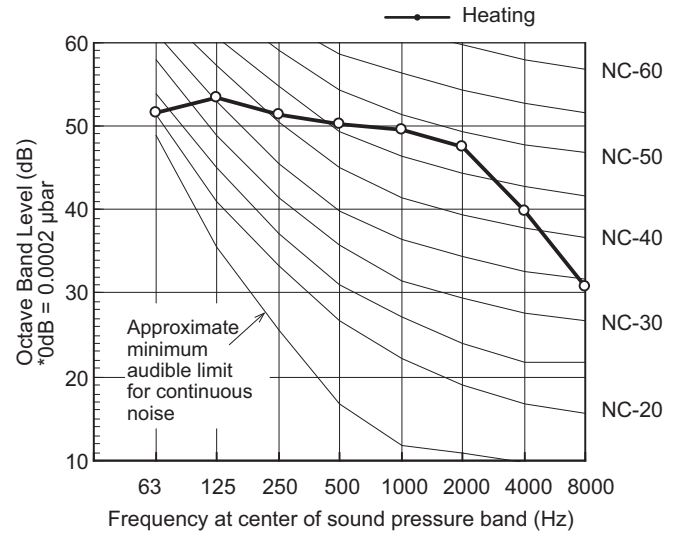


MODEL : U-100PEY1E5, U-100PEY1E8

SOUND LEVEL : Heating 54 dB(A)

CONDITION : 1 m in front at height of 1.5 m

SOURCE 1 phase model : 220-230-240V, 1 phase, 50Hz  
3 phase model : 380-400-415V, 3 phase, 50Hz

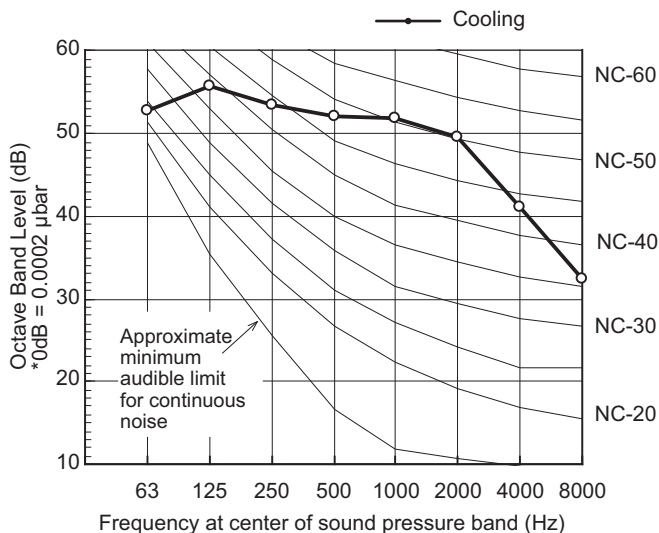


MODEL : U-125PEY1E5, U-125PEY1E8

SOUND LEVEL : Cooling 56 dB(A)

CONDITION : 1 m in front at height of 1.5 m

SOURCE 1 phase model : 220-230-240V, 1 phase, 50Hz  
3 phase model : 380-400-415V, 3 phase, 50Hz

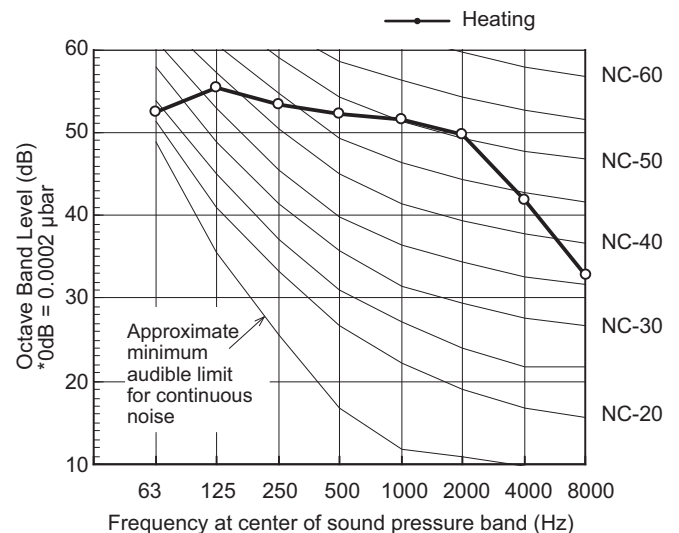


MODEL : U-125PEY1E5, U-125PEY1E8

SOUND LEVEL : Heating 56 dB(A)

CONDITION : 1 m in front at height of 1.5 m

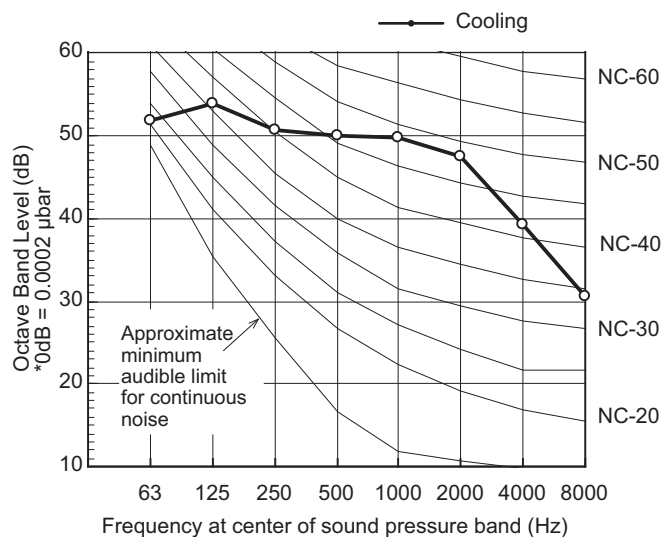
SOURCE 1 phase model : 220-230-240V, 1 phase, 50Hz  
3 phase model : 380-400-415V, 3 phase, 50Hz



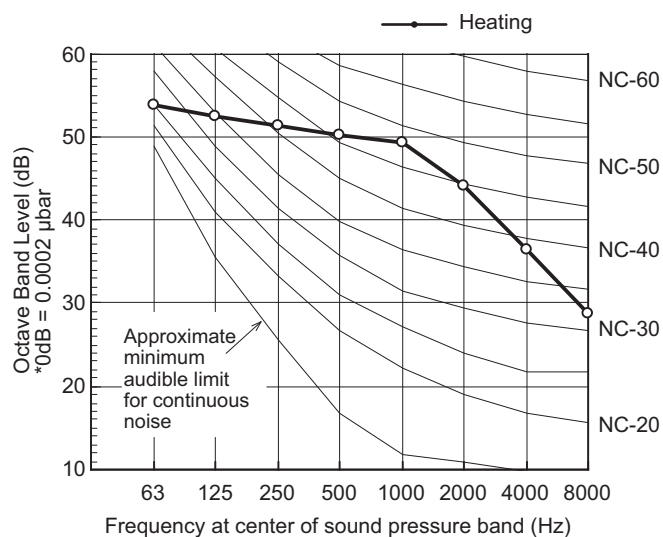
## 1-6. Noise Criterion Curves

### (B) Outdoor Unit

|             |                                   |
|-------------|-----------------------------------|
| MODEL       | : U-140PEY1E8                     |
| SOUND LEVEL | : Cooling 54 dB(A)                |
| CONDITION   | : 1 m in front at height of 1.5 m |
| SOURCE      | : 380-400-415V, 3 phase, 50Hz     |



|             |                                   |
|-------------|-----------------------------------|
| MODEL       | : U-140PEY1E8                     |
| SOUND LEVEL | : Heating 53 dB(A)                |
| CONDITION   | : 1 m in front at height of 1.5 m |
| SOURCE      | : 380-400-415V, 3 phase, 50Hz     |



## 1-9. Fresh Air Intake

### 1-9-1. Precautions Regarding External Air Intake

#### (1) Ventilation Load

Ensure that the design of the air-conditioner takes air-conditioning loads into consideration when external air intake is involved.

#### (2) Restrictions on External Air Intake

Ensure that the design conforms to the restrictions on air intake volume stipulated in accordance with the model of the indoor unit and the intake method. Consideration must also be taken to mixed air content listed in (3) below without fail.

- \* If the air intake volume does not satisfy the required ventilation volume, air must be fed into the room separately with the use of a total heat exchanger or a fresh air processing air-conditioner, etc.

#### (3) Mixed Air

The amount of external air intake must be set within the scope of the unit's usage conditions when external air and internal air is mixed together. This is especially important in the following cases, in which it is necessary to either feed external air into the room after it has been processed or reduce the amount of external air that is fed in.

- ① When the external dew-point temperature is greater than the dry-bulb temperature of the air sucked into the unit  
Ensure that processing is performed so that the external dew-point temperature is lower than the temperature of the air sucked into the unit to prevent the risk of condensation building up.
- ② In the case of low external temperatures  
There are cases in which the temperature of mixed air is lower than the operating range of the unit if excessive amounts of external air intake are used when the external temperature is low.  
This problem is to be solved by either feeding external air into the room after it has been processed or reducing the amount of external air that is fed in.
- ③ When used in combination with humidifiers  
External air must always be processed when the external air temperature reaches freezing point to prevent the risk of the humidifier freezing.

#### (4) Arranging Ducts and Filters in the Field

External air intake ducting must be arranged in the field.  
External air filters must also be installed without fail in order to prevent the intake of dust and grit.

#### (5) Thermal Insulation for Ducts

Ensure that all external air intake ducting is heat-insulated without fail. Failure to observe this may result in the build-up of condensation.

#### (6) External Air Intake Coupling

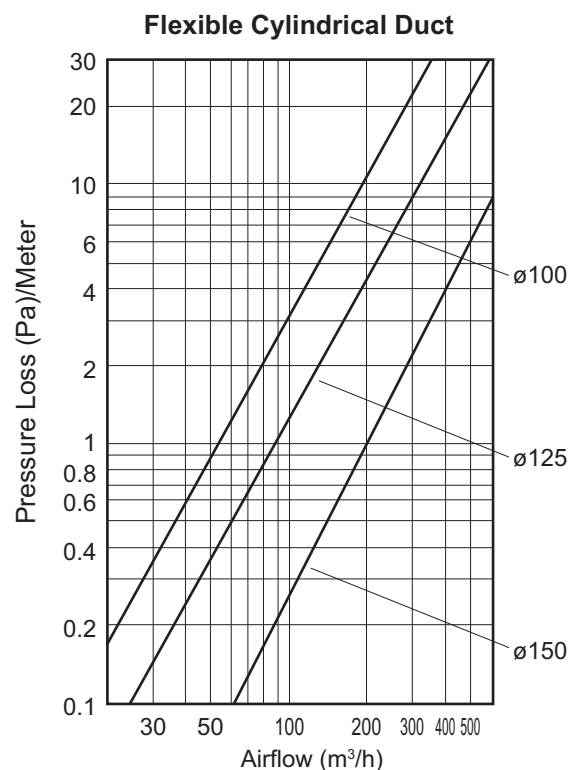
Ensure that the design for external air intake is coupled with the fan blower operations of the indoor unit.  
There are cases in which the dust that accumulates in the filter is blown into the room if the external air is fed from the filter. There are also cases in which the noise of external air being fed into the room can be heard from the indoor unit if external air is forcibly fed when the booster fan or other components on the indoor unit are not operating.

#### (7) Booster Fan Selection

Select the booster fan in accordance with the resistance of the external air intake duct (diagram on the pressure loss characteristics of the air flow volume for flexible cylindrical ducts) and the resistance prevalent inside the unit (external air intake volume & resistance within unit / operation noise characteristics).

#### (8) Attaching the External Air Intake Flange

Regarding the installation direction of the external air intake duct, refer to the Installation Instructions provided with the external air intake duct.

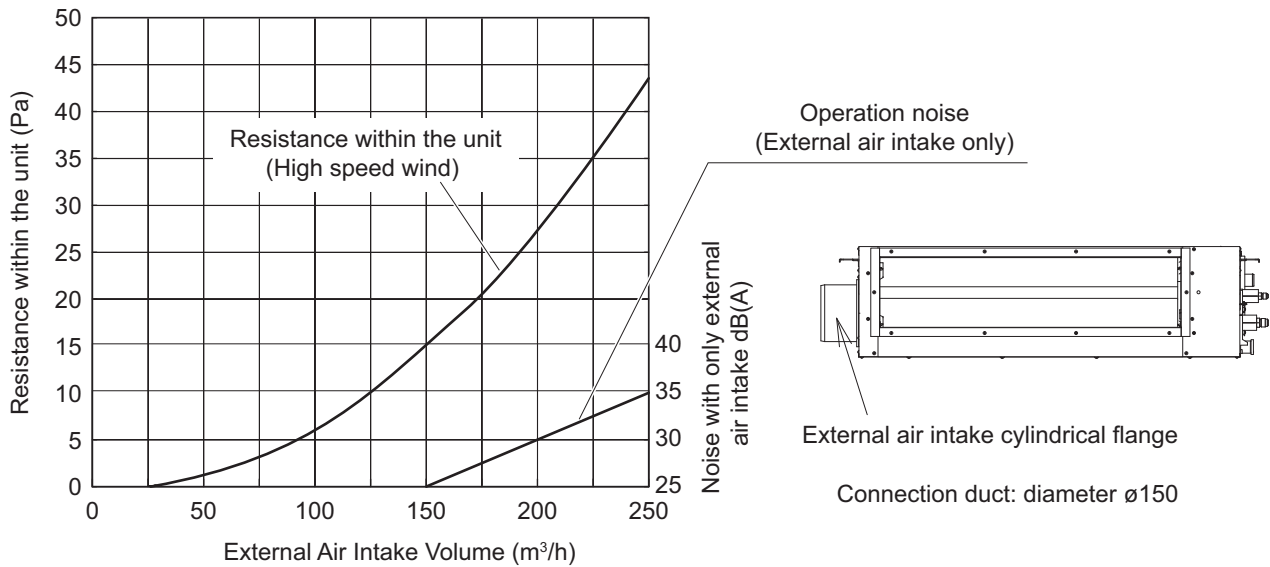


Air Flow Volume for Flexible Cylindrical Duct-Pressure Loss

## 1-9-2. External Air Intake Volume & Resistance Within Unit / Operation Noise Characteristics (continued)

### ● Low Silhouette Ducted (F2 Type)

#### 1-9-2-4. In a Case of External Air Intake to Unit Directly (Using external air intake cylindrical flange)



**External Air Intake Volume & Resistance Within Unit/  
Operation Noise Characteristics**

**With the External Air Intake Flange Attached**

1. Calculate the operation noise when external air is being fed by combining the noise when only external air is being fed as shown in the diagram for operation noise characteristics and the operation noise of the unit as stipulated in the catalogue.
2. The operation noise conforms to JIS standards and constitute measurements taken in an anechoic chamber 1.5m directly below the indoor unit. Under normal circumstances, the diagram shown above is greater owing to the effects of surrounding noise and reverberation when the unit is actually installed.

The amount of external air intake that is possible to feed when it is fed directly into the unit

| Type                                 | 36  | 45  | 50  | 60  | 71  | 100 | 125 | 140 |
|--------------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|
| Permissible air intake volume (m³/h) | 126 | 126 | 150 | 180 | 180 | 240 | 240 | 240 |

\* The operation noise for models that use small units is lower, so use values that are within the range shown in the above table. Using values that exceed these will result in noise when only external air is fed being louder than the noise emitted from the unit.

## 1-10. Electrical Wiring

### ■ General Precautions on Wiring

- (1) Before wiring, confirm the rated voltage of the unit as shown on its nameplate, then carry out the wiring closely following the wiring diagram.
- (2) Provide a power outlet to be used exclusively for each unit and a circuit breaker for overcurrent protection should be provided in the exclusive line.
- (3) To prevent possible hazards from insulation failure, the unit must be grounded.
- (4) Each wiring connection must be done in accordance with the wiring system diagram. Wrong wiring may cause the unit to misoperate or become damaged.
- (5) Do not allow wiring to touch the refrigerant tubing, compressor, or any moving parts of the fan.
- (6) Unauthorized changes in the internal wiring can be very dangerous. The manufacturer will accept no responsibility for any damage or misoperation that occurs as a result of such unauthorized changes.
- (7) Regulations on wire diameters differ from locality to locality. For field wiring rules, please refer to your LOCAL ELECTRICAL CODES before beginning.  
You must ensure that installation complies with all relevant rules and regulations.
- (8) To prevent malfunction of the air conditioner caused by electrical noise, care must be taken when wiring as follows:
  - The remote control wiring and the inter-unit control wiring should be wired apart from the inter-unit power wiring.
  - Use shielded wires for inter-unit control wiring between units and ground the shield on both sides.
- (9) If the power supply cord of this appliance is damaged, it must be replaced by a repair shop designated by the manufacturer, because special-purpose tools are required.



**CAUTION** Check local electrical codes and regulations before wiring.  
Also, check any specified instruction or limitations.

### ■ Recommended Wire Length and Wire Diameter for Power Supply System

#### Indoor unit

| Type | (B) Power supply    | Time delay fuse or circuit capacity |
|------|---------------------|-------------------------------------|
|      | 2.5 mm <sup>2</sup> |                                     |
| U1   | Max. 130 m          | 10-16 A                             |

#### Indoor unit

| Type   | (B) Power supply    | Time delay fuse or circuit capacity |
|--------|---------------------|-------------------------------------|
|        | 2.5 mm <sup>2</sup> |                                     |
| K1     | Max. 150 m          | 10A                                 |
| F1     | Max. 130 m          | 10A                                 |
| T2, N1 | Max. 130 m          | 10-16A                              |

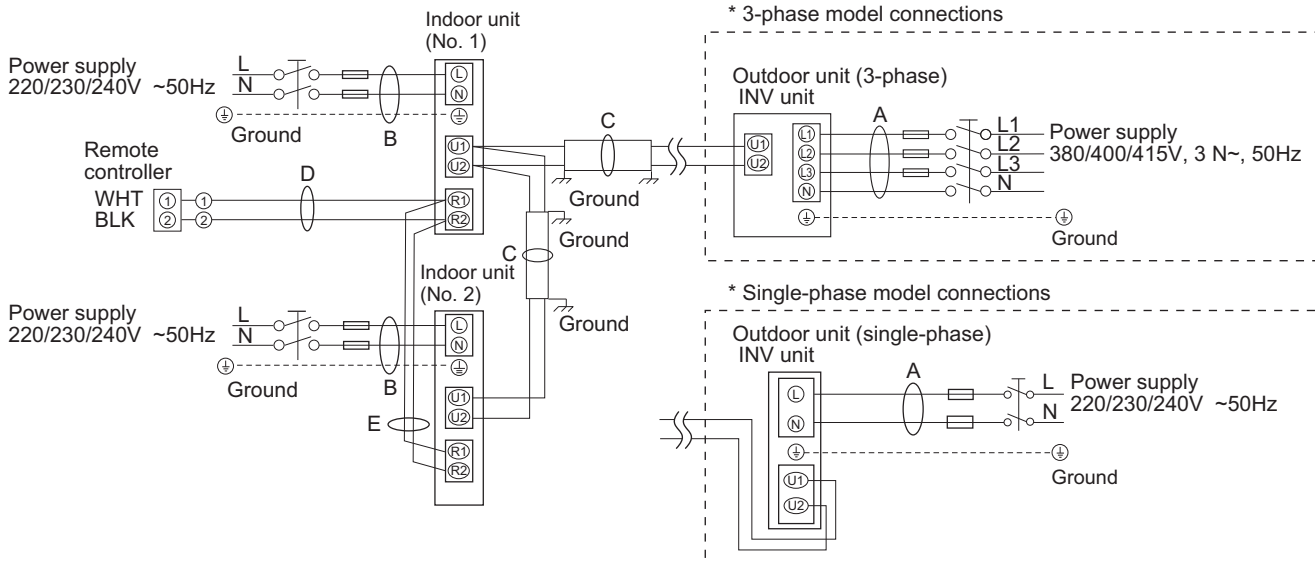
#### Control wiring

| (C) Inter-unit<br>(between outdoor<br>and indoor units)<br>control wiring | (D) Remote control<br>wiring      | (E) Control wiring<br>for group control |
|---------------------------------------------------------------------------|-----------------------------------|-----------------------------------------|
| 0.75 mm <sup>2</sup><br>(AWG #18)<br>Use shielded wiring*                 | 0.75 mm <sup>2</sup><br>(AWG #18) | 0.75 mm <sup>2</sup><br>(AWG #18)       |
| Max. 1,000 m                                                              | Max. 500 m                        | Max. 200 m (Total)                      |

#### NOTE

\* With ring-type wire terminal.

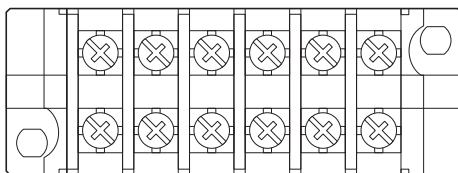
## ■ Wiring System Diagrams



### NOTE

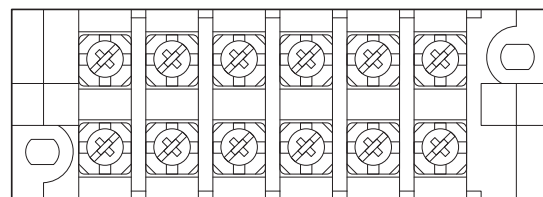
- (1) Refer to "Recommended Wire Length and Wire Diameter for Power Supply System" for the explanation of "A", "B", "C", "D" and "E" in the above diagram.
- (2) The basic connection diagram of the indoor unit shows the terminal boards, so the terminal boards in your equipment may differ from the diagram.
- (3) Refrigerant Circuit (R.C.) address should be set before turning the power on.
- (4) Regarding R.C. address setting, refer to the installation instructions supplied with the remote controller (optional). Auto address setting can be executed by remote controller automatically. Refer to the installation instructions supplied with the remote controller (optional).

6P terminal board



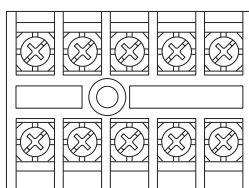
U1 Type

6P terminal board



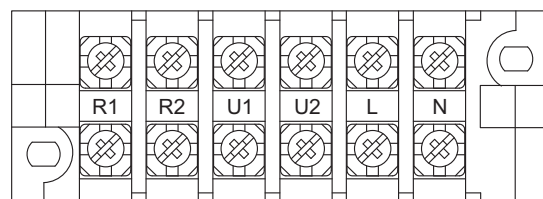
T2, F1 Type

5P terminal board



K1 Type

6P terminal board

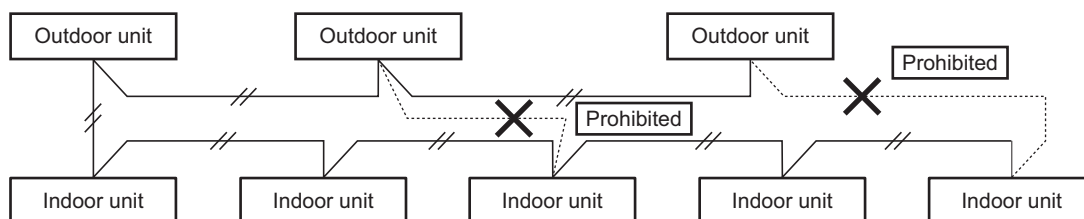


N1 Type

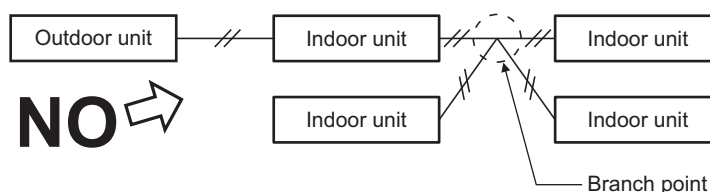


# CAUTION

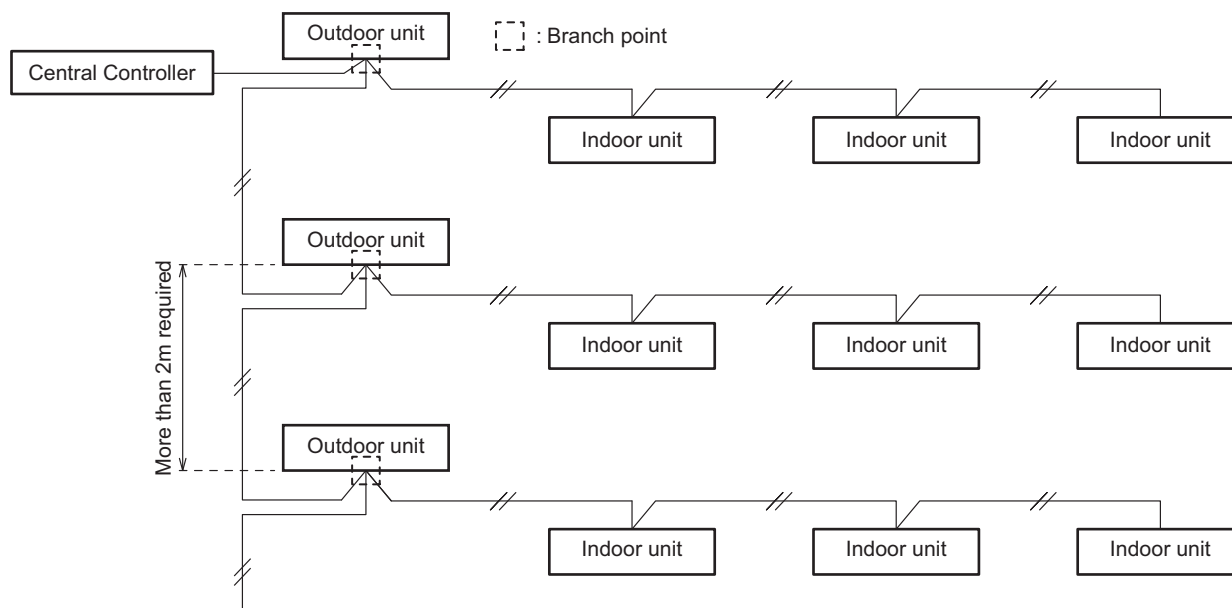
- (1) When linking the outdoor units in a network, disconnect the terminal extended from the short plug from all outdoor units except any one of the outdoor units.  
(When shipping: In shorted condition.)  
For a system without link (no wiring connection between outdoor units), do not remove the short plug.
- (2) Do not install the inter-unit control wiring in a way that forms a loop.



- (3) Do not install inter-unit control wiring such as star branch wiring. Star branch wiring causes mis-address setting.

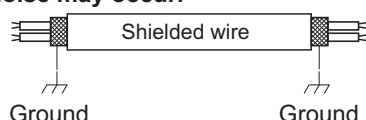


- (4) If branching the inter-unit control wiring, the number of branch points should be 16 or fewer.



- (5) Use shielded wires for inter-unit control wiring (c) and ground the shield on both sides, otherwise misoperation from noise may occur.

Connect wiring as shown in Section "■ Wiring System Diagrams".



- (6) • Connecting cable between indoor unit and outdoor unit shall be approved polychloroprene sheathed 5 or 3 \*1.5 mm<sup>2</sup> flexible cord. Type designation 60245 IEC 57 (H05RN-F, GP85PCP etc.) or heavier cord.
- Use the standard power supply cables for Europe (such as H05RN-F or H07RN-F which conform to CENELEC (HAR) rating specifications) or use the cables based on IEC standard. (60245 IEC57, 60245 IEC66)



# WARNING

Loose wiring may cause the terminal to overheat or result in unit malfunction. A fire hazard may also occur. Therefore, ensure that all wiring is tightly connected.

When connecting each power wire to the terminal, follow the instructions on "How to connect wiring to the terminal" and fasten the wire securely with the terminal screw.

## How to connect wiring to the terminal

### ■ For stranded wiring

- (1) Cut the wire end with cutting pliers, then strip the insulation to expose the stranded wiring about 10 mm and tightly twist the wire ends. (Fig. 1-1)
- (2) Using a Phillips head screwdriver, remove the terminal screw(s) on the terminal plate.
- (3) Using a ring connector fastener or pliers, securely clamp each stripped wire end with a ring pressure terminal.
- (4) Place the ring pressure terminal, and replace and tighten the removed terminal screw using a screwdriver. (Fig. 1-2)

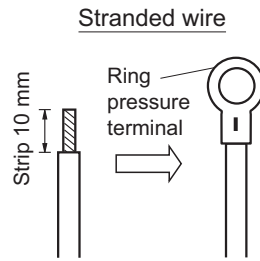


Fig. 1-1

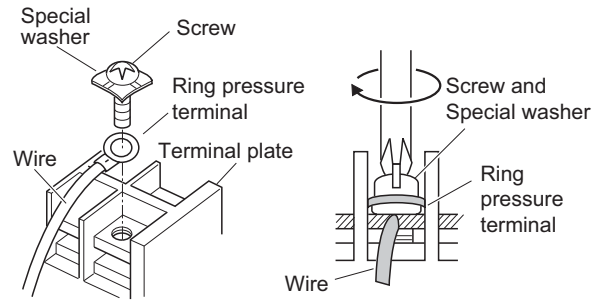


Fig. 1-2

### ■ Examples of shield wires

- (1) Remove cable coat not to scratch braided shield. (Fig. 1-3)
- (2) Unbraid the braided shield carefully and twist the unbraided shield wires tightly together. Insulate the shield wires by covering them with an insulation tube or wrapping insulation tape around them. (Fig. 1-4)
- (3) Remove coat of signal wire. (Fig. 1-5)
- (4) Attach ring pressure terminals to the signal wires and the shield wires insulated in Step (2). (Fig. 1-6)



Fig. 1-3

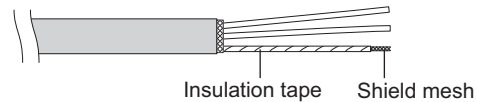


Fig. 1-4

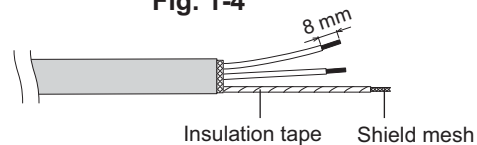


Fig. 1-5

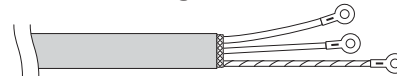
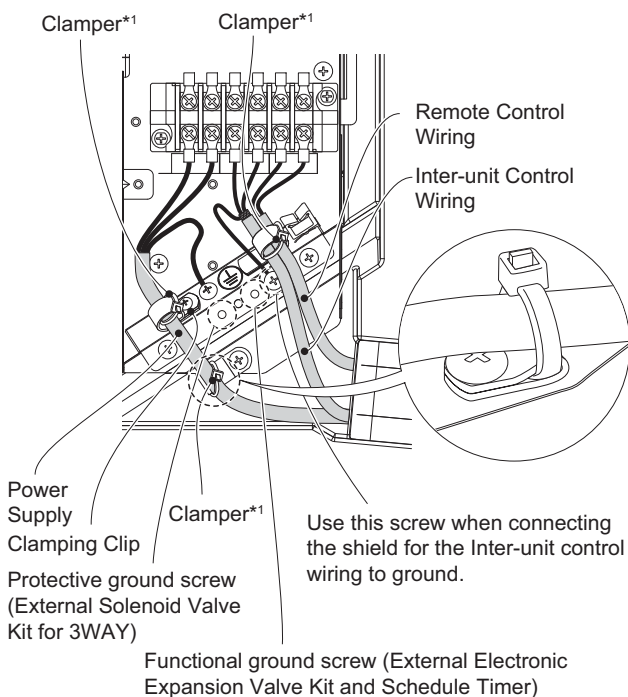


Fig. 1-6

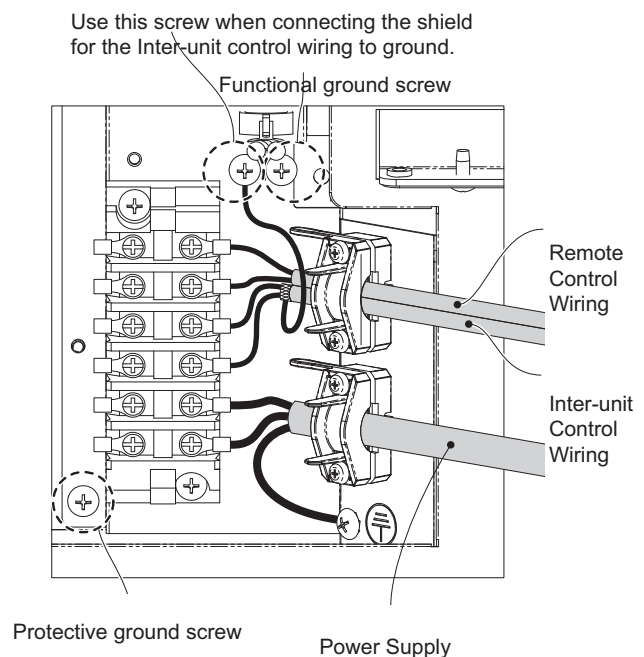
### ■ Wiring samples

#### U1 type



\*1 Fasten tightly.

#### F1 type

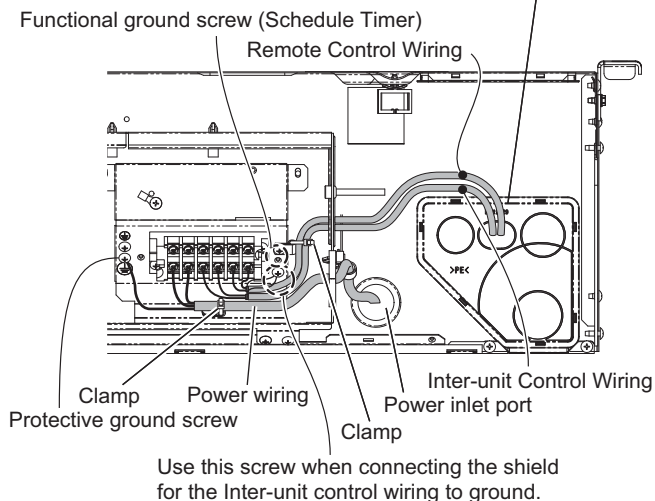


## ■ Wiring samples

### T2 type

Remote control wiring and inter-unit control wiring inlet port

\* Insert the remote control wiring and inter-unit control wiring into the electrical component box from the inlet port as shown in the figure. This is done regardless of whether the wiring was inserted from the top, rear, or left side of the main unit.



### How to carry out power supply wiring

#### (1) Wiring connection ports

The power inlet port is located at the rear.

The remote control wiring inlet port is located at the rear (for use with the wired remote controller).

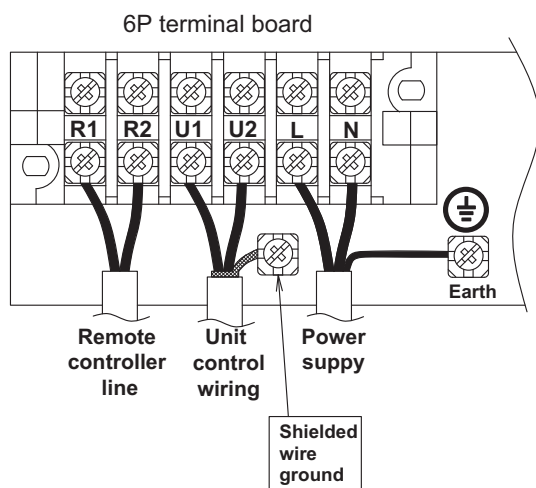
#### (2) How to carry out wiring

- Insert the power wiring into the indoor unit through the rubber at the side of the electrical component box.
- For wiring connection to the outdoor unit and remote control wiring, open the elongated hole of the piping cover and pass the wires through the hole.

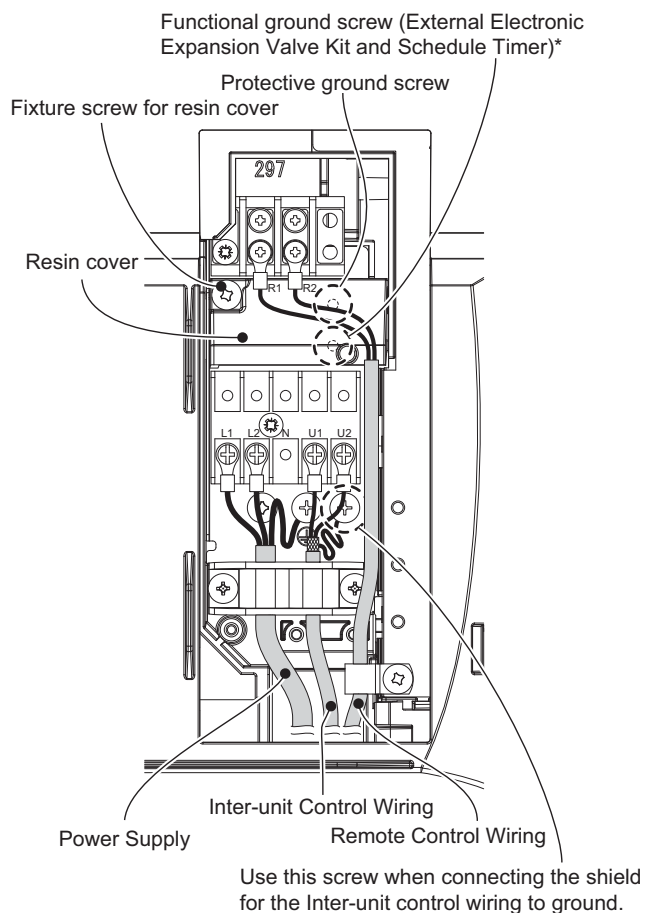
### NOTE

Be sure to use sealing putty to seal off the opening to prevent dust.

### N1 type



### K1 type



\* As to functional ground screw and protective ground screw, remove the fixture screw and resin cover. Then, carry out earth ground work.

### 1-13. Capacity Table

#### 1. Cooling Capacity Performance Data

##### • Combination of Single Unit

Low Silhouette Ducted Type

TC :Cooling Capacity

SHC :Sensible Heat Capacity

IPT :Cooling Power Consumption

unit : kW

| Model                   | Power Source                            | Outdoor air intake temp(°C D.B.) |    |      |     |      |      |     |      |      |     |      |      |     |      |      |     |      |
|-------------------------|-----------------------------------------|----------------------------------|----|------|-----|------|------|-----|------|------|-----|------|------|-----|------|------|-----|------|
|                         |                                         | Ambient Return Air               |    | 25°C |     |      | 30°C |     |      | 35°C |     |      | 40°C |     |      | 46°C |     |      |
|                         |                                         | DB                               | WB | TC   | SHC | IPT  | TC   | SHC | IPT  | TC   | SHC | IPT  | TC   | SHC | IPT  | TC   | SHC | IPT  |
| S-50PF1E5A<br>U-50PE1E5 | 220V<br>230V<br>240V<br>50Hz<br>1 phase | 23                               | 16 | 5.9  | 4.4 | 1.61 | 5.6  | 4.3 | 1.74 | 5.2  | 4.1 | 1.92 | 5.0  | 4.0 | 2.13 | 3.9  | 3.5 | 1.40 |
|                         |                                         |                                  | 19 | 6.4  | 3.4 | 1.67 | 6.0  | 3.2 | 1.82 | 5.6  | 3.1 | 2.00 | 5.4  | 3.0 | 2.22 | 4.2  | 2.5 | 1.46 |
|                         |                                         |                                  | 22 | 7.0  | 2.4 | 1.74 | 6.5  | 2.2 | 1.89 | 6.1  | 2.1 | 2.08 | 5.9  | 2.0 | 2.31 | 4.6  | 1.6 | 1.52 |
|                         |                                         | 25                               | 16 | 5.9  | 5.0 | 1.61 | 5.6  | 4.9 | 1.74 | 5.2  | 4.7 | 1.92 | 5.0  | 4.6 | 2.13 | 3.9  | 3.9 | 1.40 |
|                         |                                         |                                  | 19 | 6.4  | 4.0 | 1.67 | 6.0  | 3.9 | 1.82 | 5.6  | 3.7 | 2.00 | 5.4  | 3.6 | 2.22 | 4.2  | 3.1 | 1.46 |
|                         |                                         |                                  | 22 | 7.0  | 3.0 | 1.74 | 6.5  | 2.8 | 1.89 | 6.1  | 2.7 | 2.08 | 5.9  | 2.6 | 2.31 | 4.6  | 2.2 | 1.52 |
|                         |                                         | 27                               | 16 | 5.9  | 5.7 | 1.61 | 5.6  | 5.6 | 1.74 | 5.2  | 5.2 | 1.92 | 5.0  | 5.0 | 2.13 | 3.9  | 3.9 | 1.40 |
|                         |                                         |                                  | 19 | 6.4  | 4.7 | 1.67 | 6.0  | 4.5 | 1.82 | 5.6  | 4.3 | 2.00 | 5.4  | 4.2 | 2.22 | 4.2  | 3.8 | 1.46 |
|                         |                                         |                                  | 22 | 7.0  | 3.6 | 1.74 | 6.5  | 3.4 | 1.89 | 6.1  | 3.3 | 2.08 | 5.9  | 3.2 | 2.31 | 4.6  | 2.8 | 1.52 |
|                         |                                         | 29                               | 16 | 5.9  | 5.9 | 1.61 | 5.6  | 5.6 | 1.74 | 5.2  | 5.2 | 1.92 | 5.0  | 5.0 | 2.13 | 3.9  | 3.9 | 1.40 |
|                         |                                         |                                  | 19 | 6.4  | 5.3 | 1.67 | 6.0  | 5.1 | 1.82 | 5.6  | 4.9 | 2.00 | 5.4  | 4.9 | 2.22 | 4.2  | 4.2 | 1.46 |
|                         |                                         |                                  | 22 | 7.0  | 4.3 | 1.74 | 6.5  | 4.1 | 1.89 | 6.1  | 3.9 | 2.08 | 5.9  | 3.9 | 2.31 | 4.6  | 3.4 | 1.52 |
|                         |                                         | 32                               | 16 | 5.9  | 5.9 | 1.61 | 5.6  | 5.6 | 1.74 | 5.2  | 5.2 | 1.92 | 5.0  | 5.0 | 2.13 | 3.9  | 3.9 | 1.40 |
|                         |                                         |                                  | 19 | 6.4  | 5.3 | 1.67 | 6.0  | 5.1 | 1.82 | 5.6  | 4.9 | 2.00 | 5.4  | 4.9 | 2.22 | 4.2  | 4.2 | 1.46 |
|                         |                                         |                                  | 22 | 7.0  | 4.3 | 1.74 | 6.5  | 4.1 | 1.89 | 6.1  | 3.9 | 2.08 | 5.9  | 3.9 | 2.31 | 4.6  | 3.4 | 1.52 |

# 1-13. Capacity Table

## 1. Cooling Capacity Performance Data

### • Combination of Single Unit

Low Silhouette Ducted Type

TC :Cooling Capacity

SHC :Sensible Heat Capacity

IPT :Cooling Power Consumption

unit : kW

| Model                                       | Power Source                                         | Ambient Return Air |    | Outdoor air intake temp(°C D.B.) |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|---------------------------------------------|------------------------------------------------------|--------------------|----|----------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|                                             |                                                      |                    |    | 25°C                             |      |      | 30°C |      |      | 35°C |      |      | 40°C |      |      | 46°C |      |      |
|                                             |                                                      |                    |    | DB                               | WB   | TC   | SHC  | IPT  | TC   | SHC  | IPT  | TC   | SHC  | IPT  | TC   | SHC  | IPT  | TC   |
| S-60PF1E5A<br>U-60PE1E5A                    | 220V<br>230V<br>240V<br>50Hz<br>1 phase              | 23                 | 16 | 7.2                              | 6.0  | 1.70 | 7.0  | 5.8  | 1.82 | 6.8  | 5.7  | 1.96 | 6.6  | 5.7  | 1.97 | 6.2  | 5.5  | 1.84 |
|                                             |                                                      |                    | 19 | 7.5                              | 4.2  | 1.76 | 7.3  | 4.1  | 1.88 | 7.1  | 4.1  | 2.00 | 6.8  | 4.0  | 1.99 | 6.5  | 3.9  | 1.86 |
|                                             |                                                      |                    | 22 | 7.9                              | 2.6  | 1.84 | 7.7  | 2.6  | 1.95 | 7.4  | 2.5  | 2.06 | 7.1  | 2.4  | 2.01 | 6.7  | 2.3  | 1.88 |
|                                             |                                                      | 25                 | 16 | 7.2                              | 7.0  | 1.70 | 7.0  | 6.8  | 1.82 | 6.8  | 6.8  | 1.96 | 6.6  | 6.6  | 1.97 | 6.2  | 6.2  | 1.84 |
|                                             |                                                      |                    | 19 | 7.5                              | 5.2  | 1.76 | 7.3  | 5.2  | 1.88 | 7.1  | 5.1  | 2.00 | 6.8  | 4.9  | 1.99 | 6.5  | 4.8  | 1.86 |
|                                             |                                                      |                    | 22 | 7.9                              | 3.5  | 1.84 | 7.7  | 3.6  | 1.95 | 7.4  | 3.5  | 2.06 | 7.1  | 3.3  | 2.01 | 6.7  | 3.2  | 1.88 |
|                                             |                                                      | 27                 | 16 | 7.2                              | 7.2  | 1.70 | 7.0  | 7.0  | 1.82 | 6.8  | 6.8  | 1.96 | 6.6  | 6.6  | 1.97 | 6.2  | 6.2  | 1.84 |
|                                             |                                                      |                    | 19 | 7.5                              | 6.1  | 1.76 | 7.3  | 6.1  | 1.88 | 7.1  | 6.0  | 2.00 | 6.8  | 5.9  | 1.99 | 6.5  | 5.8  | 1.86 |
|                                             |                                                      |                    | 22 | 7.9                              | 4.5  | 1.84 | 7.7  | 4.5  | 1.95 | 7.4  | 4.4  | 2.06 | 7.1  | 4.3  | 2.01 | 6.7  | 4.2  | 1.88 |
|                                             |                                                      | 29                 | 16 | 7.2                              | 7.2  | 1.70 | 7.0  | 7.0  | 1.82 | 6.8  | 6.8  | 1.96 | 6.6  | 6.6  | 1.97 | 6.2  | 6.2  | 1.84 |
|                                             |                                                      |                    | 19 | 7.5                              | 7.0  | 1.76 | 7.3  | 7.1  | 1.88 | 7.1  | 7.0  | 2.00 | 6.8  | 6.8  | 1.99 | 6.5  | 6.5  | 1.86 |
|                                             |                                                      |                    | 22 | 7.9                              | 5.4  | 1.84 | 7.7  | 5.4  | 1.95 | 7.4  | 5.4  | 2.06 | 7.1  | 5.2  | 2.01 | 6.7  | 5.1  | 1.88 |
|                                             |                                                      | 32                 | 16 | 7.2                              | 7.2  | 1.70 | 7.0  | 7.0  | 1.82 | 6.8  | 6.8  | 1.96 | 6.6  | 6.6  | 1.97 | 6.2  | 6.2  | 1.84 |
|                                             |                                                      |                    | 19 | 7.5                              | 7.0  | 1.76 | 7.3  | 7.1  | 1.88 | 7.1  | 7.0  | 2.00 | 6.8  | 6.8  | 1.99 | 6.5  | 6.5  | 1.86 |
|                                             |                                                      |                    | 22 | 7.9                              | 5.4  | 1.84 | 7.7  | 5.4  | 1.95 | 7.4  | 5.4  | 2.06 | 7.1  | 5.2  | 2.01 | 6.7  | 5.1  | 1.88 |
| S-71PF1E5A<br>U-71PE1E5A<br>(U-71PE1E8A)    | 220V<br>230V<br>240V<br>50Hz<br>1 phase<br>(3 phase) | 23                 | 16 | 8.1                              | 6.1  | 2.25 | 7.9  | 6.0  | 2.41 | 7.6  | 5.8  | 2.59 | 7.2  | 5.6  | 2.57 | 6.3  | 5.2  | 2.20 |
|                                             |                                                      |                    | 19 | 8.5                              | 4.5  | 2.33 | 8.3  | 4.4  | 2.49 | 8.0  | 4.3  | 2.65 | 7.5  | 4.0  | 2.60 | 6.6  | 3.8  | 2.23 |
|                                             |                                                      |                    | 22 | 9.0                              | 3.0  | 2.44 | 8.7  | 2.8  | 2.58 | 8.3  | 2.7  | 2.73 | 7.8  | 2.6  | 2.62 | 6.8  | 2.3  | 2.25 |
|                                             |                                                      | 25                 | 16 | 8.1                              | 7.0  | 2.25 | 7.9  | 6.9  | 2.41 | 7.6  | 6.7  | 2.59 | 7.2  | 6.5  | 2.57 | 6.3  | 6.1  | 2.20 |
|                                             |                                                      |                    | 19 | 8.5                              | 5.3  | 2.33 | 8.3  | 5.3  | 2.49 | 8.0  | 5.2  | 2.65 | 7.5  | 4.9  | 2.60 | 6.6  | 4.7  | 2.23 |
|                                             |                                                      |                    | 22 | 9.0                              | 3.8  | 2.44 | 8.7  | 3.7  | 2.58 | 8.3  | 3.6  | 2.73 | 7.8  | 3.4  | 2.62 | 6.8  | 3.1  | 2.25 |
|                                             |                                                      | 27                 | 16 | 8.1                              | 7.8  | 2.25 | 7.9  | 7.8  | 2.41 | 7.6  | 7.6  | 2.59 | 7.2  | 7.2  | 2.57 | 6.3  | 6.3  | 2.20 |
|                                             |                                                      |                    | 19 | 8.5                              | 6.2  | 2.33 | 8.3  | 6.1  | 2.49 | 8.0  | 6.0  | 2.65 | 7.5  | 5.8  | 2.60 | 6.6  | 5.5  | 2.23 |
|                                             |                                                      |                    | 22 | 9.0                              | 4.7  | 2.44 | 8.7  | 4.6  | 2.58 | 8.3  | 4.5  | 2.73 | 7.8  | 4.3  | 2.62 | 6.8  | 4.0  | 2.25 |
|                                             |                                                      | 29                 | 16 | 8.1                              | 8.1  | 2.25 | 7.9  | 7.9  | 2.41 | 7.6  | 7.6  | 2.59 | 7.2  | 7.2  | 2.57 | 6.3  | 6.3  | 2.20 |
|                                             |                                                      |                    | 19 | 8.5                              | 7.1  | 2.33 | 8.3  | 7.0  | 2.49 | 8.0  | 6.9  | 2.65 | 7.5  | 6.7  | 2.60 | 6.6  | 6.4  | 2.23 |
|                                             |                                                      |                    | 22 | 9.0                              | 5.6  | 2.44 | 8.7  | 5.5  | 2.58 | 8.3  | 5.3  | 2.73 | 7.8  | 5.2  | 2.62 | 6.8  | 4.8  | 2.25 |
|                                             |                                                      | 32                 | 16 | 8.1                              | 8.1  | 2.25 | 7.9  | 7.9  | 2.41 | 7.6  | 7.6  | 2.59 | 7.2  | 7.2  | 2.57 | 6.3  | 6.3  | 2.20 |
|                                             |                                                      |                    | 19 | 8.5                              | 7.1  | 2.33 | 8.3  | 7.0  | 2.49 | 8.0  | 6.9  | 2.65 | 7.5  | 6.7  | 2.60 | 6.6  | 6.4  | 2.23 |
|                                             |                                                      |                    | 22 | 9.0                              | 5.6  | 2.44 | 8.7  | 5.5  | 2.58 | 8.3  | 5.3  | 2.73 | 7.8  | 5.2  | 2.62 | 6.8  | 4.8  | 2.25 |
| S-100PF1E5A<br>U-100PE1E5A<br>(U-100PE1E8A) | 220V<br>230V<br>240V<br>50Hz<br>1 phase<br>(3 phase) | 23                 | 16 | 11.4                             | 9.3  | 3.00 | 11.4 | 9.3  | 3.23 | 10.9 | 9.0  | 3.43 | 10.2 | 8.9  | 3.57 | 7.4  | 7.4  | 2.92 |
|                                             |                                                      |                    | 19 | 12.1                             | 6.8  | 3.13 | 12.1 | 6.8  | 3.36 | 11.7 | 6.7  | 3.58 | 10.9 | 6.4  | 3.72 | 7.9  | 5.2  | 3.04 |
|                                             |                                                      |                    | 22 | 13.3                             | 4.5  | 3.24 | 13.3 | 4.5  | 3.48 | 12.8 | 4.3  | 3.70 | 11.9 | 4.0  | 3.85 | 8.7  | 2.9  | 3.15 |
|                                             |                                                      | 25                 | 16 | 11.8                             | 11.2 | 3.05 | 11.8 | 11.2 | 3.28 | 11.3 | 10.8 | 3.49 | 10.5 | 10.5 | 3.63 | 7.7  | 7.7  | 2.97 |
|                                             |                                                      |                    | 19 | 12.6                             | 8.6  | 3.18 | 12.6 | 8.6  | 3.42 | 12.1 | 8.3  | 3.64 | 11.2 | 8.2  | 3.79 | 8.2  | 6.9  | 3.09 |
|                                             |                                                      |                    | 22 | 13.8                             | 6.2  | 3.29 | 13.8 | 6.2  | 3.54 | 13.2 | 6.0  | 3.77 | 12.3 | 5.7  | 3.92 | 9.0  | 4.6  | 3.20 |
|                                             |                                                      | 27                 | 16 | 12.2                             | 12.2 | 3.10 | 12.2 | 12.2 | 3.33 | 11.7 | 11.7 | 3.55 | 10.9 | 10.9 | 3.69 | 8.0  | 8.0  | 3.02 |
|                                             |                                                      |                    | 19 | 13.0                             | 10.6 | 3.24 | 13.0 | 10.6 | 3.48 | 12.5 | 10.3 | 3.70 | 11.6 | 10.1 | 3.85 | 8.5  | 8.5  | 3.15 |
|                                             |                                                      |                    | 22 | 14.2                             | 8.1  | 3.35 | 14.2 | 8.1  | 3.60 | 13.7 | 7.8  | 3.83 | 12.7 | 7.6  | 3.98 | 9.3  | 6.2  | 3.25 |
|                                             |                                                      | 29                 | 16 | 12.4                             | 12.4 | 3.11 | 12.4 | 12.4 | 3.34 | 11.9 | 11.9 | 3.56 | 11.0 | 11.0 | 3.70 | 8.1  | 8.1  | 3.02 |
|                                             |                                                      |                    | 19 | 13.2                             | 12.4 | 3.25 | 13.2 | 12.4 | 3.49 | 12.7 | 12.1 | 3.71 | 11.8 | 11.8 | 3.86 | 8.6  | 8.6  | 3.15 |
|                                             |                                                      |                    | 22 | 14.5                             | 10.0 | 3.36 | 14.5 | 10.0 | 3.61 | 13.9 | 9.7  | 3.84 | 12.9 | 9.4  | 3.99 | 9.5  | 8.1  | 3.26 |
|                                             |                                                      | 32                 | 16 | 12.5                             | 12.5 | 3.12 | 12.5 | 12.5 | 3.35 | 12.1 | 12.1 | 3.56 | 11.2 | 11.2 | 3.71 | 8.2  | 8.2  | 3.03 |
|                                             |                                                      |                    | 19 | 13.4                             | 12.6 | 3.25 | 13.4 | 12.6 | 3.50 | 12.9 | 12.3 | 3.72 | 12.0 | 12.0 | 3.87 | 8.8  | 8.8  | 3.16 |
|                                             |                                                      |                    | 22 | 14.7                             | 10.2 | 3.37 | 14.7 | 10.2 | 3.62 | 14.1 | 9.8  | 3.85 | 13.1 | 9.5  | 4.00 | 9.6  | 8.2  | 3.27 |
| S-125PF1E5A<br>U-125PE1E5A<br>(U-125PE1E8A) | 220V<br>230V<br>240V<br>50Hz<br>1 phase<br>(3 phase) | 23                 | 16 | 12.7                             | 9.5  | 3.73 | 12.7 | 9.6  | 4.01 | 12.2 | 9.3  | 4.27 | 11.4 | 9.0  | 4.44 | 8.3  | 7.6  | 3.63 |
|                                             |                                                      |                    | 19 | 13.6                             | 7.2  | 3.89 | 13.6 | 7.3  | 4.18 | 13.1 | 7.0  | 4.45 | 12.2 | 6.7  | 4.63 | 8.9  | 5.3  | 3.78 |
|                                             |                                                      |                    | 22 | 14.9                             | 5.0  | 4.03 | 14.9 | 5.0  | 4.33 | 14.3 | 4.8  | 4.60 | 13.3 | 4.5  | 4.79 | 9.7  | 3.2  | 3.91 |
|                                             |                                                      | 25                 | 16 | 13.2                             | 11.4 | 3.80 | 13.2 | 11.4 | 4.08 | 12.7 | 11.0 | 4.34 | 11.8 | 10.8 | 4.51 | 8.6  | 8.6  | 3.69 |
|                                             |                                                      |                    | 19 | 14.1                             | 9.0  | 3.96 | 14.1 | 9.0  | 4.25 | 13.5 | 8.6  | 4.52 | 12.6 | 8.4  | 4.71 | 9.2  | 7.0  | 3.85 |
|                                             |                                                      |                    | 22 | 15.4                             | 6.7  | 4.10 | 15.4 | 6.7  | 4.40 | 14.8 | 6.4  | 4.68 | 13.8 | 6.1  | 4.87 | 10.1 | 4.8  | 3.98 |
|                                             |                                                      | 27                 | 16 | 13.6                             | 13.2 | 3.86 | 13.6 | 13.3 | 4.15 | 13.1 | 12.8 | 4.41 | 12.2 | 12.2 | 4.59 | 8.9  | 8.9  | 3.75 |
|                                             |                                                      |                    | 19 | 14.6                             | 10.8 | 4.03 | 14.6 | 10.8 | 4.32 | 14.0 | 10.5 | 4.60 | 13.0 | 10.2 | 4.78 | 9.5  | 8.7  | 3.91 |
|                                             |                                                      |                    | 22 | 16.0                             | 8.5  | 4.16 | 16.0 | 8.5  | 4.47 | 15.3 | 8.2  | 4.76 | 14.3 | 7.9  | 4.95 | 10.4 | 6.4  | 4.05 |
|                                             |                                                      | 29                 | 16 | 13.8                             | 13.8 | 3.87 | 13.8 | 13.8 | 4.16 | 13.3 | 13.3 | 4.42 | 12.4 | 12.4 | 4.60 | 9.0  | 9.0  | 3.76 |
|                                             |                                                      |                    | 19 | 14.8                             | 12.5 | 4.03 | 14.8 | 12.6 | 4.33 | 14.2 | 12.2 | 4.61 | 13.2 | 11.9 | 4.80 | 9.7  | 9.7  | 3.92 |
|                                             |                                                      |                    | 22 | 16.2                             | 10.2 | 4.17 | 16.2 | 10.2 | 4.48 | 15.6 | 9.9  | 4.77 | 14.5 | 9.6  | 4.96 | 10.6 | 8.0  | 4.06 |
|                                             |                                                      | 32                 | 16 | 14.0                             | 14.0 | 3.88 | 14.0 | 14.0 | 4.17 | 13.5 | 13.5 | 4.43 | 12.6 | 12.6 | 4.61 | 9.2  | 9.2  | 3.77 |
|                                             |                                                      |                    | 19 | 15.0                             | 12.7 | 4.04 | 15.0 | 12.8 | 4.35 | 14.4 | 12.3 | 4.62 | 13.4 | 12.1 | 4.81 | 9.8  | 9.8  | 3.93 |
|                                             |                                                      |                    | 22 | 16.4                             | 10.3 | 4.18 | 16.4 | 10.4 | 4.50 | 15.8 | 10.0 | 4.78 | 14.7 | 9.8  | 4.97 | 10.7 | 8.1  | 4.07 |
| S-140PF1E5A<br>U-140PE1E5A<br>(U-140PE1E8A) | 220V<br>230V<br>240V<br>50Hz<br>1 phase<br>(3 phase) | 23                 | 16 | 14.1                             | 10.2 | 4.87 | 14.1 | 10.3 | 5.23 | 13.6 | 9.9  | 5.56 | 12.6 | 9.6  | 5.79 | 9.2  | 8.1  | 4.73 |
|                                             |                                                      |                    | 19 | 15.1                             | 7.9  | 5.08 | 15.1 | 8.0  | 5.46 | 14.5 | 7.7  | 5.80 | 13.5 | 7.3  | 6.04 | 9.8  | 5.8  | 4.93 |
|                                             |                                                      |                    | 22 | 16.5                             | 5.6  | 5.25 | 16.5 | 5.5  | 5.64 | 15.9 | 5.4  | 6.00 | 14.8 | 5.0  | 6.25 | 10.8 | 3.6  | 5.10 |
|                                             |                                                      | 25                 | 16 | 14.6                             | 12.1 | 4.95 | 14.6 | 12.1 | 5.32 | 14.0 | 11.7 | 5.66 | 13.1 | 11.5 | 5.88 | 9.5  | 9.5  | 4.81 |
|                                             |                                                      |                    | 19 | 15.6                             | 9.7  | 5.16 | 15.6 | 9.7  | 5.55 | 15.0 | 9.3  | 5.90 | 13.9 | 9.0  | 6.14 | 10.2 | 7.4  | 5.02 |
|                                             |                                                      |                    | 22 | 17.1                             | 7.3  | 5.34 | 17.1 | 7.3  | 5.74 | 16.4 | 7.0  | 6.11 | 15.3 | 6.7  | 6.35 | 11.2 | 5.2  | 5.19 |
|                                             |                                                      | 27                 | 16 | 15.1                             | 14.0 | 5.03 | 15.1 | 14.0 | 5.41 | 14.5 | 13.6 | 5.75 | 13.5 | 13.4 | 5.98 | 9.9  | 9.9  | 4.89 |
|                                             |                                                      |                    | 19 | 16.1                             | 11.5 | 5.25 | 16.1 | 11.6 | 5.64 | 15.5 | 11.2 | 6.00 | 14.4 | 10.9 | 6.24 | 10.5 | 9.1  | 5.10 |
|                                             |                                                      |                    | 22 | 17.7                             | 9.2  | 5.43 | 17.7 | 9.1  | 5.83 | 17.0 | 8.9  | 6.21 | 15.8 | 8.4  | 6.46 | 11.5 | 6.9  | 5.28 |
|                                             |                                                      | 29                 | 16 | 15.3                             | 15.3 | 5.05 | 15.3 | 15.3 | 5.42 | 14.7 | 14.7 | 5.77 | 13.7 | 13.7 | 6.00 | 10.0 | 10.0 | 4.90 |
|                                             |                                                      |                    | 19 | 16.4                             | 13.3 | 5.26 | 16.4 | 13.4 | 5.65 | 15.7 | 12.9 | 6.01 | 14.6 | 12.6 | 6.26 | 10.7 | 10.7 | 5.11 |
|                                             |                                                      |                    | 22 | 17.9                             | 10.9 | 5.44 | 17.9 | 10.9 | 5.85 | 17.2 | 10.5 | 6.22 | 16.0 | 10.2 | 6.47 | 11.7 | 8.5  | 5.29 |
|                                             |                                                      | 32                 | 16 | 15.5                             | 15.5 | 5.06 | 15.5 | 15.5 | 5.43 | 14.9 | 14.9 | 5.78 | 13.9 | 13.9 | 6.01 | 10.2 | 10.2 | 4.91 |
|                                             |                                                      |                    | 19 | 16.6                             | 13.5 | 5.28 | 16.6 | 13.6 | 5.67 | 16.0 | 13.1 | 6.03 | 14.8 | 12.8 | 6.27 | 10.9 | 10.9 | 5.13 |
|                                             |                                                      |                    | 22 | 18.2                             | 11.0 | 5.46 | 18.2 | 11.1 | 5.86 | 17.5 | 10.7 | 6.24 | 16.3 | 10.4 | 6.49 | 11.9 | 8.6  | 5.30 |

# 1-13. Capacity Table

## 1. Cooling Capacity Performance Data

### • Combination of Multiple Unit

Low Silhouette Ducted Type

TC :Cooling Capacity

SHC :Sensible Heat Capacity

IPT :Cooling Power Consumption

unit : kW

|                                              |                                                      |                    |    | Outdoor air intake temp(°C D.B.) |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|----------------------------------------------|------------------------------------------------------|--------------------|----|----------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| Model                                        | Power Source                                         | Ambient Return Air |    | 25°C                             |      |      | 30°C |      |      | 35°C |      |      | 40°C |      |      | 46°C |      |      |
|                                              |                                                      | DB                 | WB | TC                               | SHC  | IPT  | TC   | SHC  | IPT  | TC   | SHC  | IPT  | TC   | SHC  | IPT  | TC   | SHC  | IPT  |
| S-36PF1E5Ax2<br>U-71PE1E5A<br>(U-71PE1E8A)   | 220V<br>230V<br>240V<br>50Hz<br>1 phase<br>(3 phase) | 23                 | 16 | 8.1                              | 7.1  | 2.25 | 7.9  | 7.0  | 2.41 | 7.6  | 6.9  | 2.59 | 7.2  | 6.6  | 2.57 | 6.3  | 6.3  | 2.20 |
|                                              |                                                      |                    | 19 | 8.5                              | 5.0  | 2.33 | 8.3  | 4.9  | 2.49 | 8.0  | 4.8  | 2.65 | 7.5  | 4.6  | 2.60 | 6.6  | 4.3  | 2.23 |
|                                              |                                                      |                    | 22 | 9.0                              | 3.0  | 2.44 | 8.7  | 2.9  | 2.58 | 8.3  | 2.8  | 2.73 | 7.8  | 2.6  | 2.62 | 6.8  | 2.3  | 2.25 |
|                                              |                                                      | 25                 | 16 | 8.1                              | 8.1  | 2.25 | 7.9  | 7.9  | 2.41 | 7.6  | 7.6  | 2.59 | 7.2  | 7.2  | 2.57 | 6.3  | 6.3  | 2.20 |
|                                              |                                                      |                    | 19 | 8.5                              | 6.2  | 2.33 | 8.3  | 6.1  | 2.49 | 8.0  | 6.0  | 2.65 | 7.5  | 5.8  | 2.60 | 6.6  | 5.6  | 2.23 |
|                                              |                                                      |                    | 22 | 9.0                              | 4.2  | 2.44 | 8.7  | 4.1  | 2.58 | 8.3  | 3.9  | 2.73 | 7.8  | 3.8  | 2.62 | 6.8  | 3.5  | 2.25 |
|                                              |                                                      | 27                 | 16 | 8.1                              | 8.1  | 2.25 | 7.9  | 7.9  | 2.41 | 7.6  | 7.6  | 2.59 | 7.2  | 7.2  | 2.57 | 6.3  | 6.3  | 2.20 |
|                                              |                                                      |                    | 19 | 8.5                              | 7.5  | 2.33 | 8.3  | 7.4  | 2.49 | 8.0  | 7.2  | 2.65 | 7.5  | 7.1  | 2.60 | 6.6  | 6.6  | 2.23 |
|                                              |                                                      |                    | 22 | 9.0                              | 5.4  | 2.44 | 8.7  | 5.3  | 2.58 | 8.3  | 5.2  | 2.73 | 7.8  | 5.0  | 2.62 | 6.8  | 4.6  | 2.25 |
|                                              |                                                      | 29                 | 16 | 8.1                              | 8.1  | 2.25 | 7.9  | 7.9  | 2.41 | 7.6  | 7.6  | 2.59 | 7.2  | 7.2  | 2.57 | 6.3  | 6.3  | 2.20 |
|                                              |                                                      |                    | 19 | 8.5                              | 8.5  | 2.33 | 8.3  | 8.3  | 2.49 | 8.0  | 8.0  | 2.65 | 7.5  | 7.5  | 2.60 | 6.6  | 6.6  | 2.23 |
|                                              |                                                      |                    | 22 | 9.0                              | 6.6  | 2.44 | 8.7  | 6.6  | 2.58 | 8.3  | 6.4  | 2.73 | 7.8  | 6.2  | 2.62 | 6.8  | 5.9  | 2.25 |
|                                              |                                                      | 32                 | 16 | 8.1                              | 8.1  | 2.25 | 7.9  | 7.9  | 2.41 | 7.6  | 7.6  | 2.59 | 7.2  | 7.2  | 2.57 | 6.3  | 6.3  | 2.20 |
|                                              |                                                      |                    | 19 | 8.5                              | 8.5  | 2.33 | 8.3  | 8.3  | 2.49 | 8.0  | 8.0  | 2.65 | 7.5  | 7.5  | 2.60 | 6.6  | 6.6  | 2.23 |
|                                              |                                                      |                    | 22 | 9.0                              | 6.6  | 2.44 | 8.7  | 6.6  | 2.58 | 8.3  | 6.4  | 2.73 | 7.8  | 6.2  | 2.62 | 6.8  | 5.9  | 2.25 |
| S-36PF1E5Ax3<br>U-100PE1E5A<br>(U-100PE1E8A) | 220V<br>230V<br>240V<br>50Hz<br>1 phase<br>(3 phase) | 23                 | 16 | 11.4                             | 10.5 | 3.00 | 11.4 | 10.5 | 3.23 | 10.9 | 10.1 | 3.43 | 10.2 | 10.1 | 3.57 | 7.4  | 7.4  | 2.92 |
|                                              |                                                      |                    | 19 | 12.1                             | 7.4  | 3.13 | 12.1 | 7.4  | 3.36 | 11.7 | 7.3  | 3.58 | 10.9 | 7.0  | 3.72 | 7.9  | 5.8  | 3.04 |
|                                              |                                                      |                    | 22 | 13.3                             | 4.5  | 3.24 | 13.3 | 4.5  | 3.48 | 12.8 | 4.3  | 3.70 | 11.9 | 4.0  | 3.85 | 8.7  | 3.0  | 3.15 |
|                                              |                                                      | 25                 | 16 | 11.8                             | 11.8 | 3.05 | 11.8 | 11.8 | 3.28 | 11.3 | 11.3 | 3.49 | 10.5 | 10.5 | 3.63 | 7.7  | 7.7  | 2.97 |
|                                              |                                                      |                    | 19 | 12.6                             | 9.6  | 3.18 | 12.6 | 9.6  | 3.42 | 12.1 | 9.4  | 3.64 | 11.2 | 9.2  | 3.79 | 8.2  | 8.0  | 3.09 |
|                                              |                                                      |                    | 22 | 13.8                             | 6.7  | 3.29 | 13.8 | 6.7  | 3.54 | 13.2 | 6.4  | 3.77 | 12.3 | 6.2  | 3.92 | 9.0  | 5.1  | 3.20 |
|                                              |                                                      | 27                 | 16 | 12.2                             | 12.2 | 3.10 | 12.2 | 12.2 | 3.33 | 11.7 | 11.7 | 3.55 | 10.9 | 10.9 | 3.69 | 8.0  | 8.0  | 3.02 |
|                                              |                                                      |                    | 19 | 13.0                             | 12.1 | 3.24 | 13.0 | 12.1 | 3.48 | 12.5 | 11.8 | 3.70 | 11.6 | 11.6 | 3.85 | 8.5  | 8.5  | 3.15 |
|                                              |                                                      |                    | 22 | 14.2                             | 9.0  | 3.35 | 14.2 | 9.0  | 3.60 | 13.7 | 8.7  | 3.83 | 12.7 | 8.6  | 3.98 | 9.3  | 7.3  | 3.25 |
|                                              |                                                      | 29                 | 16 | 12.4                             | 12.4 | 3.11 | 12.4 | 12.4 | 3.34 | 11.9 | 11.9 | 3.56 | 11.0 | 11.0 | 3.70 | 8.1  | 8.1  | 3.02 |
|                                              |                                                      |                    | 19 | 13.2                             | 13.2 | 3.25 | 13.2 | 13.2 | 3.49 | 12.7 | 12.7 | 3.71 | 11.8 | 11.8 | 3.86 | 8.6  | 8.6  | 3.15 |
|                                              |                                                      |                    | 22 | 14.5                             | 11.2 | 3.36 | 14.5 | 11.2 | 3.61 | 13.9 | 11.0 | 3.84 | 12.9 | 10.9 | 3.99 | 9.5  | 9.4  | 3.26 |
|                                              |                                                      | 32                 | 16 | 12.5                             | 12.5 | 3.12 | 12.5 | 12.5 | 3.35 | 12.1 | 12.1 | 3.56 | 11.2 | 11.2 | 3.71 | 8.2  | 8.2  | 3.03 |
|                                              |                                                      |                    | 19 | 13.4                             | 13.4 | 3.25 | 13.4 | 13.4 | 3.50 | 12.9 | 12.9 | 3.72 | 12.0 | 12.0 | 3.87 | 8.8  | 8.8  | 3.16 |
|                                              |                                                      |                    | 22 | 14.7                             | 11.4 | 3.37 | 14.7 | 11.4 | 3.62 | 14.1 | 11.1 | 3.85 | 13.1 | 11.0 | 4.00 | 9.6  | 9.5  | 3.27 |
| S-50PF1E5Ax2<br>U-100PE1E5A<br>(U-100PE1E8A) | 220V<br>230V<br>240V<br>50Hz<br>1 phase<br>(3 phase) | 23                 | 16 | 11.4                             | 9.2  | 3.00 | 11.4 | 9.2  | 3.23 | 10.9 | 8.9  | 3.43 | 10.2 | 8.7  | 3.57 | 7.4  | 7.4  | 2.92 |
|                                              |                                                      |                    | 19 | 12.1                             | 6.8  | 3.13 | 12.1 | 6.8  | 3.36 | 11.7 | 6.6  | 3.58 | 10.9 | 6.3  | 3.72 | 7.9  | 5.1  | 3.04 |
|                                              |                                                      |                    | 22 | 13.3                             | 4.5  | 3.24 | 13.3 | 4.5  | 3.48 | 12.8 | 4.3  | 3.70 | 11.9 | 4.0  | 3.85 | 8.7  | 2.9  | 3.15 |
|                                              |                                                      | 25                 | 16 | 11.8                             | 11.0 | 3.05 | 11.8 | 11.0 | 3.28 | 11.3 | 10.6 | 3.49 | 10.5 | 10.5 | 3.63 | 7.7  | 7.7  | 2.97 |
|                                              |                                                      |                    | 19 | 12.6                             | 8.5  | 3.18 | 12.6 | 8.5  | 3.42 | 12.1 | 8.2  | 3.64 | 11.2 | 8.1  | 3.79 | 8.2  | 6.8  | 3.09 |
|                                              |                                                      |                    | 22 | 13.8                             | 6.2  | 3.29 | 13.8 | 6.2  | 3.54 | 13.2 | 5.9  | 3.77 | 12.3 | 5.7  | 3.92 | 9.0  | 4.4  | 3.20 |
|                                              |                                                      | 27                 | 16 | 12.2                             | 12.2 | 3.10 | 12.2 | 12.2 | 3.33 | 11.7 | 11.7 | 3.55 | 10.9 | 10.9 | 3.69 | 8.0  | 8.0  | 3.02 |
|                                              |                                                      |                    | 19 | 13.0                             | 10.5 | 3.24 | 13.0 | 10.5 | 3.48 | 12.5 | 10.1 | 3.70 | 11.6 | 9.9  | 3.85 | 8.5  | 8.5  | 3.15 |
|                                              |                                                      |                    | 22 | 14.2                             | 8.0  | 3.35 | 14.2 | 8.0  | 3.60 | 13.7 | 7.8  | 3.83 | 12.7 | 7.5  | 3.98 | 9.3  | 6.2  | 3.25 |
|                                              |                                                      | 29                 | 16 | 12.4                             | 12.4 | 3.11 | 12.4 | 12.4 | 3.34 | 11.9 | 11.9 | 3.56 | 11.0 | 11.0 | 3.70 | 8.1  | 8.1  | 3.02 |
|                                              |                                                      |                    | 19 | 13.2                             | 12.2 | 3.25 | 13.2 | 12.2 | 3.49 | 12.7 | 11.8 | 3.71 | 11.8 | 11.8 | 3.86 | 8.6  | 8.6  | 3.15 |
|                                              |                                                      |                    | 22 | 14.5                             | 9.8  | 3.36 | 14.5 | 9.8  | 3.61 | 13.9 | 9.5  | 3.84 | 12.9 | 9.2  | 3.99 | 9.5  | 7.9  | 3.26 |
|                                              |                                                      | 32                 | 16 | 12.5                             | 12.5 | 3.12 | 12.5 | 12.5 | 3.35 | 12.1 | 12.1 | 3.56 | 11.2 | 11.2 | 3.71 | 8.2  | 8.2  | 3.03 |
|                                              |                                                      |                    | 19 | 13.4                             | 12.3 | 3.25 | 13.4 | 12.3 | 3.50 | 12.9 | 12.0 | 3.72 | 12.0 | 12.0 | 3.87 | 8.8  | 8.8  | 3.16 |
|                                              |                                                      |                    | 22 | 14.7                             | 9.9  | 3.37 | 14.7 | 9.9  | 3.62 | 14.1 | 9.7  | 3.85 | 13.1 | 9.4  | 4.00 | 9.6  | 8.0  | 3.27 |
| S-36PF1E5Ax4<br>U-125PE1E5A<br>(U-125PE1E8A) | 220V<br>230V<br>240V<br>50Hz<br>1 phase<br>(3 phase) | 23                 | 16 | 12.7                             | 12.1 | 3.73 | 12.7 | 12.1 | 4.01 | 12.2 | 11.7 | 4.27 | 11.4 | 11.4 | 4.44 | 8.3  | 8.3  | 3.63 |
|                                              |                                                      |                    | 19 | 13.6                             | 8.6  | 3.89 | 13.6 | 8.6  | 4.18 | 13.1 | 8.3  | 4.45 | 12.2 | 8.1  | 4.63 | 8.9  | 6.8  | 3.78 |
|                                              |                                                      |                    | 22 | 14.9                             | 4.9  | 4.03 | 14.9 | 4.9  | 4.33 | 14.3 | 4.7  | 4.60 | 13.3 | 4.4  | 4.79 | 9.7  | 3.3  | 3.91 |
|                                              |                                                      | 25                 | 16 | 13.2                             | 13.2 | 3.80 | 13.2 | 13.2 | 4.08 | 12.7 | 12.7 | 4.34 | 11.8 | 11.8 | 4.51 | 8.6  | 8.6  | 3.69 |
|                                              |                                                      |                    | 19 | 14.1                             | 11.2 | 3.96 | 14.1 | 11.3 | 4.25 | 13.5 | 10.9 | 4.52 | 12.6 | 10.7 | 4.71 | 9.2  | 9.2  | 3.85 |
|                                              |                                                      |                    | 22 | 15.4                             | 7.6  | 4.10 | 15.4 | 7.5  | 4.40 | 14.8 | 7.5  | 4.68 | 13.8 | 7.1  | 4.87 | 10.1 | 5.8  | 3.98 |
|                                              |                                                      | 27                 | 16 | 13.6                             | 13.6 | 3.86 | 13.6 | 13.6 | 4.15 | 13.1 | 13.1 | 4.41 | 12.2 | 12.2 | 4.59 | 8.9  | 8.9  | 3.75 |
|                                              |                                                      |                    | 19 | 14.6                             | 14.0 | 4.03 | 14.6 | 14.1 | 4.32 | 14.0 | 13.6 | 4.60 | 13.0 | 13.0 | 4.78 | 9.5  | 9.5  | 3.91 |
|                                              |                                                      |                    | 22 | 16.0                             | 10.4 | 4.16 | 16.0 | 10.6 | 4.47 | 15.3 | 10.0 | 4.76 | 14.3 | 9.9  | 4.95 | 10.4 | 8.5  | 4.05 |
|                                              |                                                      | 29                 | 16 | 13.8                             | 13.8 | 3.87 | 13.8 | 13.8 | 4.16 | 13.3 | 13.3 | 4.42 | 12.4 | 12.4 | 4.60 | 9.0  | 9.0  | 3.76 |
|                                              |                                                      |                    | 19 | 14.8                             | 14.8 | 4.03 | 14.8 | 14.8 | 4.33 | 14.2 | 14.2 | 4.61 | 13.2 | 13.2 | 4.80 | 9.7  | 9.7  | 3.92 |
|                                              |                                                      |                    | 22 | 16.2                             | 13.2 | 4.17 | 16.2 | 13.2 | 4.48 | 15.6 | 12.7 | 4.77 | 14.5 | 12.7 | 4.96 | 10.6 | 10.6 | 4.06 |
|                                              |                                                      | 32                 | 16 | 14.0                             | 14.0 | 3.88 | 14.0 | 14.0 | 4.17 | 13.5 | 13.5 | 4.43 | 12.6 | 12.6 | 4.61 | 9.2  | 9.2  | 3.77 |
|                                              |                                                      |                    | 19 | 15.0                             | 15.0 | 4.04 | 15.0 | 15.0 | 4.35 | 14.4 | 14.4 | 4.62 | 13.4 | 13.4 | 4.81 | 9.8  | 9.8  | 3.93 |
|                                              |                                                      |                    | 22 | 16.4                             | 13.3 | 4.18 | 16.4 | 13.3 | 4.50 | 15.8 | 12.9 | 4.78 | 14.7 | 12.8 | 4.97 | 10.7 | 10.7 | 4.07 |
| S-45PF1E5Ax3<br>U-125PE1E5A<br>(U-125PE1E8A) | 220V<br>230V<br>240V<br>50Hz<br>1 phase<br>(3 phase) | 23                 | 16 | 12.7                             | 10.4 | 3.73 | 12.7 | 10.4 | 4.01 | 12.2 | 10.1 | 4.27 | 11.4 | 9.9  | 4.44 | 8.3  | 8.3  | 3.63 |
|                                              |                                                      |                    | 19 | 13.6                             | 7.7  | 3.89 | 13.6 | 7.7  | 4.18 | 13.1 | 7.4  | 4.45 | 12.2 | 7.1  | 4.63 | 8.9  | 5.9  | 3.78 |
|                                              |                                                      |                    | 22 | 14.9                             | 5.0  | 4.03 | 14.9 | 4.9  | 4.33 | 14.3 | 4.8  | 4.60 | 13.3 | 4.5  | 4.79 | 9.7  | 3.2  | 3.91 |
|                                              |                                                      | 25                 | 16 | 13.2                             | 12.6 | 3.80 | 13.2 | 12.7 | 4.08 | 12.7 | 12.3 | 4.34 | 11.8 | 11.8 | 4.51 | 8.6  | 8.6  | 3.69 |
|                                              |                                                      |                    | 19 | 14.1                             | 9.8  | 3.96 | 14.1 | 9.8  | 4.25 | 13.5 | 9.4  | 4.52 | 12.6 | 9.3  | 4.71 | 9.2  | 7.8  | 3.85 |
|                                              |                                                      |                    | 22 | 15.4                             | 7.0  | 4.10 | 15.4 | 6.9  | 4.40 | 14.8 | 6.8  | 4.68 | 13.8 | 6.5  | 4.87 | 10.1 | 5.1  | 3.98 |
|                                              |                                                      | 27                 | 16 | 13.6                             | 13.6 | 3.86 | 13.6 | 13.6 | 4.15 | 13.1 | 13.1 | 4.41 | 12.2 | 12.2 | 4.59 | 8.9  | 8.9  | 3.75 |
|                                              |                                                      |                    | 19 | 14.6                             | 12.0 | 4.03 | 14.6 | 12.0 | 4.32 | 14.0 | 11.5 | 4.60 | 13.0 | 11.4 | 4.78 | 9.5  | 9.5  | 3.91 |
|                                              |                                                      |                    | 22 | 16.0                             | 9.2  | 4.16 | 16.0 | 9.1  | 4.47 | 15.3 | 8.9  | 4.76 | 14.3 | 8.5  | 4.95 | 10.4 | 7.1  | 4.05 |
|                                              |                                                      | 29                 | 16 | 13.8                             | 13.8 | 3.87 | 13.8 | 13.8 | 4.16 | 13.3 | 13.3 | 4.42 | 12.4 | 12.4 | 4.60 | 9.0  | 9.0  | 3.76 |
|                                              |                                                      |                    | 19 | 14.8                             | 14.0 | 4.03 | 14.8 | 14.1 | 4.33 | 14.2 | 13.6 | 4.61 | 13.2 | 13.2 | 4.80 | 9.7  | 9.7  | 3.92 |
|                                              |                                                      |                    | 22 | 16.2                             | 11.2 | 4.17 | 16.2 | 11.2 | 4.48 | 15.6 | 11.0 | 4.77 | 14.5 | 10.6 | 4.96 | 10.6 | 9.1  | 4.06 |
|                                              |                                                      | 32                 | 16 | 14.0                             | 14.0 | 3.88 | 14.0 | 14.0 | 4.17 | 13.5 | 13.5 | 4.43 | 12.6 | 12.6 | 4.61 | 9.2  | 9.2  | 3.77 |
|                                              |                                                      |                    | 19 | 15.0                             | 14.2 | 4.04 | 15.0 | 14.3 | 4.35 | 14.4 | 13.8 | 4.62 | 13.4 | 13.4 | 4.81 | 9.8  | 9.8  | 3.93 |
|                                              |                                                      |                    | 22 | 16.4                             | 11.4 | 4.18 | 16.4 | 11.3 | 4.50 | 15.8 | 11.1 | 4.78 | 14.7 | 10.7 | 4.97 | 10.7 | 9.2  | 4.07 |

# 1-13. Capacity Table

## 1. Cooling Capacity Performance Data

### • Combination of Multiple Unit

Low Silhouette Ducted Type

TC :Cooling Capacity

SHC :Sensible Heat Capacity

IPT :Cooling Power Consumption

unit : kW

| Model                                        | Power Source                                         | Ambient Return Air |    | Outdoor air intake temp(°C D.B.) |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|----------------------------------------------|------------------------------------------------------|--------------------|----|----------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|                                              |                                                      |                    |    | 25°C                             |      |      | 30°C |      |      | 35°C |      |      | 40°C |      |      | 46°C |      |      |
|                                              |                                                      | DB                 | WB | TC                               | SHC  | IPT  | TC   | SHC  | IPT  | TC   | SHC  | IPT  | TC   | SHC  | IPT  | TC   | SHC  | IPT  |
| S-60PF1E5A×2<br>U-125PE1E5A<br>(U-125PE1E8A) | 220V<br>230V<br>240V<br>50Hz<br>1 phase<br>(3 phase) | 23                 | 16 | 12.7                             | 10.5 | 3.73 | 12.7 | 10.5 | 4.01 | 12.2 | 10.2 | 4.27 | 11.4 | 10.0 | 4.44 | 8.3  | 8.3  | 3.63 |
|                                              |                                                      |                    | 19 | 13.6                             | 7.8  | 3.89 | 13.6 | 7.7  | 4.18 | 13.1 | 7.4  | 4.45 | 12.2 | 7.2  | 4.63 | 8.9  | 6.0  | 3.78 |
|                                              |                                                      |                    | 22 | 14.9                             | 5.0  | 4.03 | 14.9 | 4.9  | 4.33 | 14.3 | 4.8  | 4.60 | 13.3 | 4.5  | 4.79 | 9.7  | 3.3  | 3.91 |
|                                              |                                                      | 25                 | 16 | 13.2                             | 12.7 | 3.80 | 13.2 | 12.7 | 4.08 | 12.7 | 12.3 | 4.34 | 11.8 | 11.8 | 4.51 | 8.6  | 8.6  | 3.69 |
|                                              |                                                      |                    | 19 | 14.1                             | 9.8  | 3.96 | 14.1 | 9.8  | 4.25 | 13.5 | 9.4  | 4.52 | 12.6 | 9.3  | 4.71 | 9.2  | 7.9  | 3.85 |
|                                              |                                                      |                    | 22 | 15.4                             | 7.1  | 4.10 | 15.4 | 6.9  | 4.40 | 14.8 | 6.8  | 4.68 | 13.8 | 6.5  | 4.87 | 10.1 | 5.2  | 3.98 |
|                                              |                                                      | 27                 | 16 | 13.6                             | 13.6 | 3.86 | 13.6 | 13.6 | 4.15 | 13.1 | 13.1 | 4.41 | 12.2 | 12.2 | 4.59 | 8.9  | 8.9  | 3.75 |
|                                              |                                                      |                    | 19 | 14.6                             | 12.1 | 4.03 | 14.6 | 12.1 | 4.32 | 14.0 | 11.6 | 4.60 | 13.0 | 11.5 | 4.78 | 9.5  | 9.5  | 3.91 |
|                                              |                                                      |                    | 22 | 16.0                             | 9.3  | 4.16 | 16.0 | 9.1  | 4.47 | 15.3 | 8.9  | 4.76 | 14.3 | 8.7  | 4.95 | 10.4 | 7.2  | 4.05 |
|                                              |                                                      | 29                 | 16 | 13.8                             | 13.8 | 3.87 | 13.8 | 13.8 | 4.16 | 13.3 | 13.3 | 4.42 | 12.4 | 12.4 | 4.60 | 9.0  | 9.0  | 3.76 |
|                                              |                                                      |                    | 19 | 14.8                             | 14.1 | 4.03 | 14.8 | 14.1 | 4.33 | 14.2 | 13.6 | 4.61 | 13.2 | 13.2 | 4.80 | 9.7  | 9.7  | 3.92 |
|                                              |                                                      |                    | 22 | 16.2                             | 11.4 | 4.17 | 16.2 | 11.3 | 4.48 | 15.6 | 11.0 | 4.77 | 14.5 | 10.7 | 4.96 | 10.6 | 9.2  | 4.06 |
|                                              |                                                      | 32                 | 16 | 14.0                             | 14.0 | 3.88 | 14.0 | 14.0 | 4.17 | 13.5 | 13.5 | 4.43 | 12.6 | 12.6 | 4.61 | 9.2  | 9.2  | 3.77 |
|                                              |                                                      |                    | 19 | 15.0                             | 14.3 | 4.04 | 15.0 | 14.3 | 4.35 | 14.4 | 13.8 | 4.62 | 13.4 | 13.4 | 4.81 | 9.8  | 9.8  | 3.93 |
|                                              |                                                      |                    | 22 | 16.4                             | 11.5 | 4.18 | 16.4 | 11.5 | 4.50 | 15.8 | 11.1 | 4.78 | 14.7 | 10.9 | 4.97 | 10.7 | 9.3  | 4.07 |
| S-50PF1E5A×3<br>U-140PE1E5A<br>(U-140PE1E8A) | 220V<br>230V<br>240V<br>50Hz<br>1 phase<br>(3 phase) | 23                 | 16 | 14.1                             | 11.6 | 4.87 | 14.1 | 11.7 | 5.23 | 13.6 | 11.5 | 5.56 | 12.6 | 11.1 | 5.79 | 9.2  | 9.2  | 4.73 |
|                                              |                                                      |                    | 19 | 15.1                             | 8.6  | 5.08 | 15.1 | 8.6  | 5.46 | 14.5 | 8.3  | 5.80 | 13.5 | 8.0  | 6.04 | 9.8  | 6.5  | 4.93 |
|                                              |                                                      |                    | 22 | 16.5                             | 5.5  | 5.25 | 16.5 | 5.5  | 5.64 | 15.9 | 5.3  | 6.00 | 14.8 | 4.9  | 6.25 | 10.8 | 3.6  | 5.10 |
|                                              |                                                      | 25                 | 16 | 14.6                             | 14.1 | 4.95 | 14.6 | 14.2 | 5.32 | 14.0 | 13.7 | 5.66 | 13.1 | 13.1 | 5.88 | 9.5  | 9.5  | 4.81 |
|                                              |                                                      |                    | 19 | 15.6                             | 10.9 | 5.16 | 15.6 | 11.0 | 5.55 | 15.0 | 10.6 | 5.90 | 13.9 | 10.3 | 6.14 | 10.2 | 8.7  | 5.02 |
|                                              |                                                      |                    | 22 | 17.1                             | 7.8  | 5.34 | 17.1 | 7.8  | 5.74 | 16.4 | 7.5  | 6.11 | 15.3 | 7.2  | 6.35 | 11.2 | 5.7  | 5.19 |
|                                              |                                                      | 27                 | 16 | 15.1                             | 15.1 | 5.03 | 15.1 | 15.1 | 5.41 | 14.5 | 14.5 | 5.75 | 13.5 | 13.5 | 5.98 | 9.9  | 9.9  | 4.89 |
|                                              |                                                      |                    | 19 | 16.1                             | 13.4 | 5.25 | 16.1 | 13.4 | 5.64 | 15.5 | 13.0 | 6.00 | 14.4 | 12.8 | 6.24 | 10.5 | 10.5 | 5.10 |
|                                              |                                                      |                    | 22 | 17.7                             | 10.3 | 5.43 | 17.7 | 10.2 | 5.83 | 17.0 | 9.9  | 6.21 | 15.8 | 9.6  | 6.46 | 11.5 | 8.0  | 5.28 |
|                                              |                                                      | 29                 | 16 | 15.3                             | 15.3 | 5.05 | 15.3 | 15.3 | 5.42 | 14.7 | 14.7 | 5.77 | 13.7 | 13.7 | 6.00 | 10.0 | 10.0 | 4.90 |
|                                              |                                                      |                    | 19 | 16.4                             | 15.7 | 5.26 | 16.4 | 15.8 | 5.65 | 15.7 | 15.3 | 6.01 | 14.6 | 14.6 | 6.26 | 10.7 | 10.7 | 5.11 |
|                                              |                                                      |                    | 22 | 17.9                             | 12.5 | 5.44 | 17.9 | 12.6 | 5.85 | 17.2 | 12.2 | 6.22 | 16.0 | 11.9 | 6.47 | 11.7 | 10.2 | 5.29 |
|                                              |                                                      | 32                 | 16 | 15.5                             | 15.5 | 5.06 | 15.5 | 15.5 | 5.43 | 14.9 | 14.9 | 5.78 | 13.9 | 13.9 | 6.01 | 10.2 | 10.2 | 4.91 |
|                                              |                                                      |                    | 19 | 16.6                             | 15.9 | 5.28 | 16.6 | 16.0 | 5.67 | 16.0 | 15.5 | 6.03 | 14.8 | 14.8 | 6.27 | 10.9 | 10.9 | 5.13 |
|                                              |                                                      |                    | 22 | 18.2                             | 12.7 | 5.46 | 18.2 | 12.8 | 5.86 | 17.5 | 12.4 | 6.24 | 16.3 | 12.1 | 6.49 | 11.9 | 10.4 | 5.30 |
| S-71PF1E5A×2<br>U-140PE1E5A<br>(U-140PE1E8A) | 220V<br>230V<br>240V<br>50Hz<br>1 phase<br>(3 phase) | 23                 | 16 | 14.1                             | 11.0 | 4.87 | 14.1 | 11.0 | 5.23 | 13.6 | 10.8 | 5.56 | 12.6 | 10.4 | 5.79 | 9.2  | 8.9  | 4.73 |
|                                              |                                                      |                    | 19 | 15.1                             | 8.2  | 5.08 | 15.1 | 8.3  | 5.46 | 14.5 | 8.0  | 5.80 | 13.5 | 7.7  | 6.04 | 9.8  | 6.2  | 4.93 |
|                                              |                                                      |                    | 22 | 16.5                             | 5.5  | 5.25 | 16.5 | 5.5  | 5.64 | 15.9 | 5.3  | 6.00 | 14.8 | 4.9  | 6.25 | 10.8 | 3.6  | 5.10 |
|                                              |                                                      | 25                 | 16 | 14.6                             | 13.1 | 4.95 | 14.6 | 13.2 | 5.32 | 14.0 | 12.9 | 5.66 | 13.1 | 12.6 | 5.88 | 9.5  | 9.5  | 4.81 |
|                                              |                                                      |                    | 19 | 15.6                             | 10.4 | 5.16 | 15.6 | 10.3 | 5.55 | 15.0 | 10.0 | 5.90 | 13.9 | 9.7  | 6.14 | 10.2 | 8.2  | 5.02 |
|                                              |                                                      |                    | 22 | 17.1                             | 7.5  | 5.34 | 17.1 | 7.6  | 5.74 | 16.4 | 7.3  | 6.11 | 15.3 | 6.9  | 6.35 | 11.2 | 5.5  | 5.19 |
|                                              |                                                      | 27                 | 16 | 15.1                             | 15.1 | 5.03 | 15.1 | 15.1 | 5.41 | 14.5 | 14.5 | 5.75 | 13.5 | 13.5 | 5.98 | 9.9  | 9.9  | 4.89 |
|                                              |                                                      |                    | 19 | 16.1                             | 12.5 | 5.25 | 16.1 | 12.6 | 5.64 | 15.5 | 12.2 | 6.00 | 14.4 | 11.9 | 6.24 | 10.5 | 10.2 | 5.10 |
|                                              |                                                      |                    | 22 | 17.7                             | 9.7  | 5.43 | 17.7 | 9.7  | 5.83 | 17.0 | 9.4  | 6.21 | 15.8 | 9.0  | 6.46 | 11.5 | 7.4  | 5.28 |
|                                              |                                                      | 29                 | 16 | 15.3                             | 15.3 | 5.05 | 15.3 | 15.3 | 5.42 | 14.7 | 14.7 | 5.77 | 13.7 | 13.7 | 6.00 | 10.0 | 10.0 | 4.90 |
|                                              |                                                      |                    | 19 | 16.4                             | 14.6 | 5.26 | 16.4 | 14.7 | 5.65 | 15.7 | 14.1 | 6.01 | 14.6 | 13.9 | 6.26 | 10.7 | 10.7 | 5.11 |
|                                              |                                                      |                    | 22 | 17.9                             | 11.7 | 5.44 | 17.9 | 11.8 | 5.85 | 17.2 | 11.5 | 6.22 | 16.0 | 11.2 | 6.47 | 11.7 | 9.4  | 5.29 |
|                                              |                                                      | 32                 | 16 | 15.5                             | 15.5 | 5.06 | 15.5 | 15.5 | 5.43 | 14.9 | 14.9 | 5.78 | 13.9 | 13.9 | 6.01 | 10.2 | 10.2 | 4.91 |
|                                              |                                                      |                    | 19 | 16.6                             | 14.7 | 5.28 | 16.6 | 14.8 | 5.67 | 16.0 | 14.4 | 6.03 | 14.8 | 14.1 | 6.27 | 10.9 | 10.9 | 5.13 |
|                                              |                                                      |                    | 22 | 18.2                             | 11.9 | 5.46 | 18.2 | 12.0 | 5.86 | 17.5 | 11.7 | 6.24 | 16.3 | 11.4 | 6.49 | 11.9 | 9.6  | 5.30 |

# 1-13. Capacity Table

## 1. Cooling Capacity Performance Data

### • Combination of Single Unit

Low Silhouette Ducted Type

TC :Cooling Capacity

SHC :Sensible Heat Capacity

IPT :Cooling Power Consumption

unit : kW

| Model                    | Power Source                           | Ambient Return Air |    | Outdoor air intake temp(°C D.B.) |     |      |      |     |      |      |     |      |      |     |      |      |     |      |
|--------------------------|----------------------------------------|--------------------|----|----------------------------------|-----|------|------|-----|------|------|-----|------|------|-----|------|------|-----|------|
|                          |                                        |                    |    | 25°C                             |     |      | 30°C |     |      | 35°C |     |      | 40°C |     |      | 43°C |     |      |
|                          |                                        | DB                 | WB | TC                               | SHC | IPT  | TC   | SHC | IPT  | TC   | SHC | IPT  | TC   | SHC | IPT  | TC   | SHC | IPT  |
| S-60PF1E5A<br>U-60PEY1E5 | 220V<br>230V<br>240V<br>50Hz<br>1phase | 23                 | 16 | 7.1                              | 5.9 | 2.30 | 6.8  | 5.6 | 2.52 | 6.5  | 5.5 | 2.74 | 5.5  | 4.7 | 2.41 | 5.0  | 4.4 | 2.19 |
|                          |                                        |                    | 19 | 7.7                              | 4.3 | 2.39 | 7.3  | 4.1 | 2.62 | 7.0  | 4.1 | 2.85 | 5.9  | 3.5 | 2.51 | 5.4  | 3.2 | 2.28 |
|                          |                                        |                    | 22 | 8.4                              | 2.8 | 2.49 | 8.0  | 2.7 | 2.73 | 7.6  | 2.6 | 2.96 | 6.5  | 2.2 | 2.61 | 5.9  | 2.0 | 2.38 |
|                          |                                        | 25                 | 16 | 7.1                              | 6.9 | 2.30 | 6.8  | 6.6 | 2.52 | 6.5  | 6.5 | 2.74 | 5.5  | 5.5 | 2.41 | 5.0  | 5.0 | 2.19 |
|                          |                                        |                    | 19 | 7.7                              | 5.3 | 2.39 | 7.3  | 5.2 | 2.62 | 7.0  | 5.0 | 2.85 | 5.9  | 4.3 | 2.51 | 5.4  | 4.0 | 2.28 |
|                          |                                        |                    | 22 | 8.4                              | 3.8 | 2.49 | 8.0  | 3.7 | 2.73 | 7.6  | 3.6 | 2.96 | 6.5  | 3.0 | 2.61 | 5.9  | 2.8 | 2.38 |
|                          |                                        | 27                 | 16 | 7.1                              | 7.1 | 2.30 | 6.8  | 6.8 | 2.52 | 6.5  | 6.5 | 2.74 | 5.5  | 5.5 | 2.41 | 5.0  | 5.0 | 2.19 |
|                          |                                        |                    | 19 | 7.7                              | 6.3 | 2.39 | 7.3  | 6.1 | 2.62 | 7.0  | 6.0 | 2.85 | 5.9  | 5.1 | 2.51 | 5.4  | 4.7 | 2.28 |
|                          |                                        |                    | 22 | 8.4                              | 4.8 | 2.49 | 8.0  | 4.7 | 2.73 | 7.6  | 4.5 | 2.96 | 6.5  | 3.9 | 2.61 | 5.9  | 3.6 | 2.38 |
|                          |                                        | 29                 | 16 | 7.1                              | 7.1 | 2.30 | 6.8  | 6.8 | 2.52 | 6.5  | 6.5 | 2.74 | 5.5  | 5.5 | 2.41 | 5.0  | 5.0 | 2.19 |
|                          |                                        |                    | 19 | 7.7                              | 7.2 | 2.39 | 7.3  | 7.1 | 2.62 | 7.0  | 6.9 | 2.85 | 5.9  | 5.9 | 2.51 | 5.4  | 5.4 | 2.28 |
|                          |                                        |                    | 22 | 8.4                              | 5.8 | 2.49 | 8.0  | 5.7 | 2.73 | 7.6  | 5.5 | 2.96 | 6.5  | 4.8 | 2.61 | 5.9  | 4.4 | 2.38 |
|                          |                                        | 32                 | 16 | 7.1                              | 7.1 | 2.30 | 6.8  | 6.8 | 2.52 | 6.5  | 6.5 | 2.74 | 5.5  | 5.5 | 2.41 | 5.0  | 5.0 | 2.19 |
|                          |                                        |                    | 19 | 7.7                              | 7.2 | 2.39 | 7.3  | 7.1 | 2.62 | 7.0  | 6.9 | 2.85 | 5.9  | 5.9 | 2.51 | 5.4  | 5.4 | 2.28 |
|                          |                                        |                    | 22 | 8.4                              | 5.8 | 2.49 | 8.0  | 5.7 | 2.73 | 7.6  | 5.5 | 2.96 | 6.5  | 4.8 | 2.61 | 5.9  | 4.4 | 2.38 |
| S-71PF1E5A<br>U-71PEY1E5 | 220V<br>230V<br>240V<br>50Hz<br>1phase | 23                 | 16 | 7.9                              | 5.9 | 2.64 | 7.5  | 5.7 | 2.89 | 7.2  | 5.5 | 3.14 | 6.1  | 4.8 | 2.76 | 5.5  | 4.4 | 2.52 |
|                          |                                        |                    | 19 | 8.5                              | 4.5 | 2.75 | 8.1  | 4.3 | 3.01 | 7.7  | 4.1 | 3.27 | 6.5  | 3.5 | 2.88 | 5.9  | 3.3 | 2.62 |
|                          |                                        |                    | 22 | 9.2                              | 3.1 | 2.86 | 8.8  | 2.9 | 3.13 | 8.4  | 2.7 | 3.40 | 7.1  | 2.4 | 2.99 | 6.4  | 2.1 | 2.73 |
|                          |                                        | 25                 | 16 | 7.9                              | 6.8 | 2.64 | 7.5  | 6.5 | 2.89 | 7.2  | 6.3 | 3.14 | 6.1  | 5.5 | 2.76 | 5.5  | 5.1 | 2.52 |
|                          |                                        |                    | 19 | 8.5                              | 5.3 | 2.75 | 8.1  | 5.2 | 3.01 | 7.7  | 5.0 | 3.27 | 6.5  | 4.3 | 2.88 | 5.9  | 4.0 | 2.62 |
|                          |                                        |                    | 22 | 9.2                              | 3.9 | 2.86 | 8.8  | 3.8 | 3.13 | 8.4  | 3.6 | 3.40 | 7.1  | 3.1 | 2.99 | 6.4  | 2.8 | 2.73 |
|                          |                                        | 27                 | 16 | 7.9                              | 7.6 | 2.64 | 7.5  | 7.4 | 2.89 | 7.2  | 7.2 | 3.14 | 6.1  | 6.1 | 2.76 | 5.5  | 5.5 | 2.52 |
|                          |                                        |                    | 19 | 8.5                              | 6.2 | 2.75 | 8.1  | 6.0 | 3.01 | 7.7  | 5.7 | 3.27 | 6.5  | 5.0 | 2.88 | 5.9  | 4.7 | 2.62 |
|                          |                                        |                    | 22 | 9.2                              | 4.8 | 2.86 | 8.8  | 4.7 | 3.13 | 8.4  | 4.5 | 3.40 | 7.1  | 3.9 | 2.99 | 6.4  | 3.6 | 2.73 |
|                          |                                        | 29                 | 16 | 7.9                              | 7.9 | 2.64 | 7.5  | 7.5 | 2.89 | 7.2  | 7.2 | 3.14 | 6.1  | 6.1 | 2.76 | 5.5  | 5.5 | 2.52 |
|                          |                                        |                    | 19 | 8.5                              | 7.1 | 2.75 | 8.1  | 6.9 | 3.01 | 7.7  | 6.6 | 3.27 | 6.5  | 5.8 | 2.88 | 5.9  | 5.5 | 2.62 |
|                          |                                        |                    | 22 | 9.2                              | 5.8 | 2.86 | 8.8  | 5.6 | 3.13 | 8.4  | 5.3 | 3.40 | 7.1  | 4.7 | 2.99 | 6.4  | 4.4 | 2.73 |
|                          |                                        | 32                 | 16 | 7.9                              | 7.9 | 2.64 | 7.5  | 7.5 | 2.89 | 7.2  | 7.2 | 3.14 | 6.1  | 6.1 | 2.76 | 5.5  | 5.5 | 2.52 |
|                          |                                        |                    | 19 | 8.5                              | 7.1 | 2.75 | 8.1  | 6.9 | 3.01 | 7.7  | 6.6 | 3.27 | 6.5  | 5.8 | 2.88 | 5.9  | 5.5 | 2.62 |
|                          |                                        |                    | 22 | 9.2                              | 5.8 | 2.86 | 8.8  | 5.6 | 3.13 | 8.4  | 5.3 | 3.40 | 7.1  | 4.7 | 2.99 | 6.4  | 4.4 | 2.73 |

# 1-13. Capacity Table

## 1. Cooling Capacity Performance Data

### • Combination of Single Unit

Low Silhouette Ducted Type

TC :Cooling Capacity

SHC :Sensible Heat Capacity

IPT :Cooling Power Consumption

unit : kW

| Model                                       | Power Source                                       | Ambient Return Air |    | Outdoor air intake temp(°C D.B.) |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|---------------------------------------------|----------------------------------------------------|--------------------|----|----------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|                                             |                                                    |                    |    | 25°C                             |      |      | 30°C |      |      | 35°C |      |      | 40°C |      |      | 43°C |      |      |
|                                             |                                                    | DB                 | WB | TC                               | SHC  | IPT  | TC   | SHC  | IPT  | TC   | SHC  | IPT  | TC   | SHC  | IPT  | TC   | SHC  | IPT  |
| S-100PF1E5A<br>U-100PEY1E5<br>(U-100PEY1E8) | 220V<br>230V<br>240V<br>50Hz<br>1phase<br>(3phase) | 23                 | 16 | 11.1                             | 9.1  | 3.37 | 10.6 | 8.7  | 3.63 | 10.1 | 8.3  | 3.90 | 8.5  | 7.4  | 3.70 | 6.1  | 5.7  | 2.55 |
|                                             |                                                    |                    | 19 | 11.9                             | 6.7  | 3.52 | 11.3 | 6.3  | 3.79 | 10.7 | 6.1  | 4.06 | 9.1  | 5.4  | 3.86 | 6.5  | 4.1  | 2.66 |
|                                             |                                                    |                    | 22 | 13.0                             | 4.4  | 3.64 | 12.4 | 4.2  | 3.92 | 11.8 | 3.9  | 4.20 | 10.0 | 3.4  | 3.99 | 7.2  | 2.4  | 2.75 |
|                                             |                                                    | 25                 | 16 | 11.5                             | 10.9 | 3.43 | 11.0 | 10.4 | 3.70 | 10.4 | 10.0 | 3.96 | 8.8  | 8.8  | 3.76 | 6.3  | 6.3  | 2.59 |
|                                             |                                                    |                    | 19 | 12.3                             | 8.4  | 3.58 | 11.7 | 8.0  | 3.85 | 11.1 | 7.7  | 4.13 | 9.4  | 6.9  | 3.93 | 6.8  | 5.3  | 2.71 |
|                                             |                                                    |                    | 22 | 13.5                             | 6.1  | 3.70 | 12.8 | 5.7  | 3.99 | 12.2 | 5.6  | 4.27 | 10.3 | 4.8  | 4.06 | 7.4  | 3.6  | 2.80 |
|                                             |                                                    | 27                 | 16 | 11.9                             | 11.9 | 3.49 | 11.3 | 11.3 | 3.76 | 10.8 | 10.8 | 4.03 | 9.1  | 9.1  | 3.83 | 6.6  | 6.6  | 2.64 |
|                                             |                                                    |                    | 19 | 12.7                             | 10.3 | 3.64 | 12.1 | 9.8  | 3.92 | 11.5 | 9.4  | 4.20 | 9.8  | 8.5  | 3.99 | 7.0  | 6.5  | 2.75 |
|                                             |                                                    |                    | 22 | 13.9                             | 7.9  | 3.76 | 13.3 | 7.6  | 4.05 | 12.6 | 7.2  | 4.35 | 10.7 | 6.4  | 4.13 | 7.7  | 4.9  | 2.85 |
|                                             |                                                    | 29                 | 16 | 12.1                             | 12.1 | 3.50 | 11.5 | 11.5 | 3.77 | 10.9 | 10.9 | 4.04 | 9.3  | 9.3  | 3.84 | 6.7  | 6.7  | 2.64 |
|                                             |                                                    |                    | 19 | 12.9                             | 12.1 | 3.65 | 12.3 | 11.6 | 3.93 | 11.7 | 11.1 | 4.21 | 9.9  | 9.9  | 4.00 | 7.1  | 7.1  | 2.76 |
|                                             |                                                    |                    | 22 | 14.1                             | 9.8  | 3.77 | 13.5 | 9.3  | 4.06 | 12.8 | 8.9  | 4.36 | 10.9 | 7.9  | 4.14 | 7.8  | 6.1  | 2.85 |
|                                             |                                                    | 32                 | 16 | 12.3                             | 12.3 | 3.50 | 11.7 | 11.7 | 3.78 | 11.1 | 11.1 | 4.05 | 9.4  | 9.4  | 3.84 | 6.8  | 6.8  | 2.65 |
|                                             |                                                    |                    | 19 | 13.1                             | 12.3 | 3.65 | 12.5 | 11.8 | 3.94 | 11.8 | 11.2 | 4.22 | 10.1 | 10.1 | 4.01 | 7.2  | 7.2  | 2.76 |
|                                             |                                                    |                    | 22 | 14.3                             | 9.9  | 3.78 | 13.7 | 9.5  | 4.07 | 13.0 | 9.0  | 4.37 | 11.0 | 8.0  | 4.15 | 7.9  | 6.2  | 2.86 |
| S-125PF1E5A<br>U-125PEY1E5<br>(U-125PEY1E8) | 220V<br>230V<br>240V<br>50Hz<br>1phase<br>(3phase) | 23                 | 16 | 12.5                             | 9.3  | 4.02 | 12.2 | 9.2  | 4.33 | 11.8 | 8.9  | 4.64 | 9.5  | 7.5  | 4.41 | 7.2  | 6.1  | 3.04 |
|                                             |                                                    |                    | 19 | 13.4                             | 7.1  | 4.19 | 13.0 | 7.0  | 4.51 | 12.6 | 6.8  | 4.84 | 10.2 | 5.6  | 4.60 | 7.7  | 4.4  | 3.17 |
|                                             |                                                    |                    | 22 | 14.7                             | 4.9  | 4.33 | 14.3 | 4.8  | 4.67 | 13.8 | 4.6  | 5.00 | 11.1 | 3.7  | 4.75 | 8.4  | 2.8  | 3.28 |
|                                             |                                                    | 25                 | 16 | 13.0                             | 11.2 | 4.08 | 12.6 | 10.8 | 4.40 | 12.2 | 10.6 | 4.72 | 9.9  | 9.1  | 4.48 | 7.4  | 7.1  | 3.09 |
|                                             |                                                    |                    | 19 | 13.8                             | 8.8  | 4.26 | 13.5 | 8.6  | 4.59 | 13.1 | 8.4  | 4.92 | 10.5 | 7.0  | 4.67 | 8.0  | 5.7  | 3.22 |
|                                             |                                                    |                    | 22 | 15.2                             | 6.6  | 4.41 | 14.8 | 6.5  | 4.75 | 14.3 | 6.2  | 5.09 | 11.5 | 5.1  | 4.84 | 8.7  | 4.0  | 3.33 |
|                                             |                                                    | 27                 | 16 | 13.4                             | 13.0 | 4.15 | 13.0 | 12.7 | 4.47 | 12.6 | 12.3 | 4.79 | 10.2 | 10.2 | 4.55 | 7.7  | 7.7  | 3.14 |
|                                             |                                                    |                    | 19 | 14.3                             | 10.6 | 4.33 | 13.9 | 10.3 | 4.66 | 13.5 | 10.2 | 5.00 | 10.9 | 8.6  | 4.75 | 8.2  | 7.0  | 3.27 |
|                                             |                                                    |                    | 22 | 15.7                             | 8.3  | 4.48 | 15.3 | 8.2  | 4.83 | 14.8 | 7.9  | 5.17 | 11.9 | 6.6  | 4.92 | 9.0  | 5.3  | 3.39 |
|                                             |                                                    | 29                 | 16 | 13.6                             | 13.6 | 4.16 | 13.2 | 13.2 | 4.48 | 12.8 | 12.8 | 4.81 | 10.3 | 10.3 | 4.57 | 7.8  | 7.8  | 3.15 |
|                                             |                                                    |                    | 19 | 14.5                             | 12.2 | 4.34 | 14.1 | 12.0 | 4.68 | 13.7 | 11.7 | 5.01 | 11.1 | 10.0 | 4.76 | 8.3  | 7.9  | 3.28 |
|                                             |                                                    |                    | 22 | 15.9                             | 10.0 | 4.49 | 15.5 | 9.8  | 4.84 | 15.0 | 9.5  | 5.19 | 12.1 | 8.0  | 4.93 | 9.1  | 6.5  | 3.40 |
|                                             |                                                    | 32                 | 16 | 13.8                             | 13.8 | 4.17 | 13.4 | 13.4 | 4.49 | 13.0 | 13.0 | 4.82 | 10.5 | 10.5 | 4.58 | 7.9  | 7.9  | 3.15 |
|                                             |                                                    |                    | 19 | 14.7                             | 12.4 | 4.35 | 14.3 | 12.2 | 4.69 | 13.9 | 11.9 | 5.02 | 11.2 | 10.1 | 4.77 | 8.5  | 8.1  | 3.29 |
|                                             |                                                    |                    | 22 | 16.2                             | 10.2 | 4.50 | 15.7 | 9.9  | 4.85 | 15.2 | 9.6  | 5.20 | 12.3 | 8.2  | 4.94 | 9.3  | 6.6  | 3.40 |
| S-140PF1E5A<br>U-140PEY1E8                  | 220V<br>230V<br>240V<br>50Hz<br>3phase             | 23                 | 16 | 14.1                             | 10.2 | 4.87 | 14.1 | 10.3 | 5.23 | 13.6 | 9.9  | 5.56 | 12.6 | 9.6  | 5.79 | 9.2  | 7.5  | 4.73 |
|                                             |                                                    |                    | 19 | 15.1                             | 7.9  | 5.08 | 15.1 | 8.0  | 5.46 | 14.5 | 7.7  | 5.80 | 13.5 | 7.3  | 6.04 | 9.8  | 5.5  | 4.93 |
|                                             |                                                    |                    | 22 | 16.5                             | 5.6  | 5.25 | 16.5 | 5.5  | 5.64 | 15.9 | 5.4  | 6.00 | 14.8 | 5.0  | 6.25 | 10.8 | 3.6  | 5.10 |
|                                             |                                                    | 25                 | 16 | 14.6                             | 12.1 | 4.95 | 14.6 | 12.1 | 5.32 | 14.0 | 11.7 | 5.66 | 13.1 | 11.5 | 5.88 | 9.5  | 8.9  | 4.81 |
|                                             |                                                    |                    | 19 | 15.6                             | 9.7  | 5.16 | 15.6 | 9.7  | 5.55 | 15.0 | 9.3  | 5.90 | 13.9 | 9.0  | 6.14 | 10.2 | 7.0  | 5.02 |
|                                             |                                                    |                    | 22 | 17.1                             | 7.3  | 5.34 | 17.1 | 7.3  | 5.74 | 16.4 | 7.0  | 6.11 | 15.3 | 6.7  | 6.35 | 11.2 | 5.0  | 5.19 |
|                                             |                                                    | 27                 | 16 | 15.1                             | 14.0 | 5.03 | 15.1 | 14.0 | 5.41 | 14.5 | 13.6 | 5.75 | 13.5 | 13.4 | 5.98 | 9.9  | 9.9  | 4.89 |
|                                             |                                                    |                    | 19 | 16.1                             | 11.5 | 5.25 | 16.1 | 11.6 | 5.64 | 15.5 | 11.2 | 6.00 | 14.4 | 10.9 | 6.24 | 10.5 | 8.5  | 5.10 |
|                                             |                                                    |                    | 22 | 17.7                             | 9.2  | 5.43 | 17.7 | 9.1  | 5.83 | 17.0 | 8.9  | 6.21 | 15.8 | 8.4  | 6.46 | 11.5 | 6.5  | 5.28 |
|                                             |                                                    | 29                 | 16 | 15.3                             | 15.3 | 5.05 | 15.3 | 15.3 | 5.42 | 14.7 | 14.7 | 5.77 | 13.7 | 13.7 | 6.00 | 10.0 | 10.0 | 4.90 |
|                                             |                                                    |                    | 19 | 16.4                             | 13.3 | 5.26 | 16.4 | 13.4 | 5.65 | 15.7 | 12.9 | 6.01 | 14.6 | 12.6 | 6.26 | 10.7 | 10.0 | 5.11 |
|                                             |                                                    |                    | 22 | 17.9                             | 10.9 | 5.44 | 17.9 | 10.9 | 5.85 | 17.2 | 10.5 | 6.22 | 16.0 | 10.2 | 6.47 | 11.7 | 8.0  | 5.29 |
|                                             |                                                    | 32                 | 16 | 15.5                             | 15.5 | 5.06 | 15.5 | 15.5 | 5.43 | 14.9 | 14.9 | 5.78 | 13.9 | 13.9 | 6.01 | 10.2 | 10.2 | 4.91 |
|                                             |                                                    |                    | 19 | 16.6                             | 13.5 | 5.28 | 16.6 | 13.6 | 5.67 | 16.0 | 13.1 | 6.03 | 14.8 | 12.8 | 6.27 | 10.9 | 10.2 | 5.13 |
|                                             |                                                    |                    | 22 | 18.2                             | 11.0 | 5.46 | 18.2 | 11.1 | 5.86 | 17.5 | 10.7 | 6.24 | 16.3 | 10.4 | 6.49 | 11.9 | 8.1  | 5.30 |

# 1-13. Capacity Table

## 1. Cooling Capacity Performance Data

### • Combination of Multiple Unit

Low Silhouette Ducted Type

TC :Cooling Capacity

SHC :Sensible Heat Capacity

IPT :Cooling Power Consumption

unit : kW

| Model                                        | Power Source                                       | Ambient Return Air |    | Outdoor air intake temp(°C D.B.) |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|----------------------------------------------|----------------------------------------------------|--------------------|----|----------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|                                              |                                                    |                    |    | 25°C                             |      |      | 30°C |      |      | 35°C |      |      | 40°C |      |      | 43°C |      |      |
|                                              |                                                    |                    |    | DB                               | WB   | TC   | SHC  | IPT  | TC   | SHC  | IPT  | TC   | SHC  | IPT  | TC   | SHC  | IPT  | TC   |
| S-36PF1E5A×2<br>U-71PEY1E5                   | 220V<br>230V<br>240V<br>50Hz<br>1phase             | 23                 | 16 | 7.9                              | 6.9  | 2.65 | 7.5  | 6.6  | 2.91 | 7.2  | 6.6  | 3.16 | 6.1  | 5.6  | 2.78 | 5.5  | 5.3  | 2.53 |
|                                              |                                                    |                    | 19 | 8.5                              | 5.0  | 2.76 | 8.1  | 4.8  | 3.03 | 7.7  | 4.7  | 3.29 | 6.5  | 4.0  | 2.89 | 5.9  | 3.7  | 2.64 |
|                                              |                                                    |                    | 22 | 9.2                              | 3.1  | 2.87 | 8.8  | 3.0  | 3.15 | 8.4  | 2.8  | 3.42 | 7.1  | 2.4  | 3.01 | 6.4  | 2.1  | 2.74 |
|                                              |                                                    | 25                 | 16 | 7.9                              | 7.9  | 2.65 | 7.5  | 7.5  | 2.91 | 7.2  | 7.2  | 3.16 | 6.1  | 6.1  | 2.78 | 5.5  | 5.5  | 2.53 |
|                                              |                                                    |                    | 19 | 8.5                              | 6.2  | 2.76 | 8.1  | 6.0  | 3.03 | 7.7  | 5.7  | 3.29 | 6.5  | 5.0  | 2.89 | 5.9  | 4.8  | 2.64 |
|                                              |                                                    |                    | 22 | 9.2                              | 4.3  | 2.87 | 8.8  | 4.1  | 3.15 | 8.4  | 4.0  | 3.42 | 7.1  | 3.5  | 3.01 | 6.4  | 3.2  | 2.74 |
|                                              |                                                    | 27                 | 16 | 7.9                              | 7.9  | 2.65 | 7.5  | 7.5  | 2.91 | 7.2  | 7.2  | 3.16 | 6.1  | 6.1  | 2.78 | 5.5  | 5.5  | 2.53 |
|                                              |                                                    |                    | 19 | 8.5                              | 7.5  | 2.76 | 8.1  | 7.2  | 3.03 | 7.7  | 6.9  | 3.29 | 6.5  | 6.1  | 2.89 | 5.9  | 5.7  | 2.64 |
|                                              |                                                    |                    | 22 | 9.2                              | 5.5  | 2.87 | 8.8  | 5.4  | 3.15 | 8.4  | 5.2  | 3.42 | 7.1  | 4.5  | 3.01 | 6.4  | 4.2  | 2.74 |
|                                              |                                                    | 29                 | 16 | 7.9                              | 7.9  | 2.65 | 7.5  | 7.5  | 2.91 | 7.2  | 7.2  | 3.16 | 6.1  | 6.1  | 2.78 | 5.5  | 5.5  | 2.53 |
|                                              |                                                    |                    | 19 | 8.5                              | 8.5  | 2.76 | 8.1  | 8.1  | 3.03 | 7.7  | 7.7  | 3.29 | 6.5  | 6.5  | 2.89 | 5.9  | 5.9  | 2.64 |
|                                              |                                                    |                    | 22 | 9.2                              | 6.8  | 2.87 | 8.8  | 6.6  | 3.15 | 8.4  | 6.5  | 3.42 | 7.1  | 5.7  | 3.01 | 6.4  | 5.3  | 2.74 |
|                                              |                                                    | 32                 | 16 | 7.9                              | 7.9  | 2.65 | 7.5  | 7.5  | 2.91 | 7.2  | 7.2  | 3.16 | 6.1  | 6.1  | 2.78 | 5.5  | 5.5  | 2.53 |
|                                              |                                                    |                    | 19 | 8.5                              | 8.5  | 2.76 | 8.1  | 8.1  | 3.03 | 7.7  | 7.7  | 3.29 | 6.5  | 6.5  | 2.89 | 5.9  | 5.9  | 2.64 |
|                                              |                                                    |                    | 22 | 9.2                              | 6.8  | 2.87 | 8.8  | 6.6  | 3.15 | 8.4  | 6.5  | 3.42 | 7.1  | 5.7  | 3.01 | 6.4  | 5.3  | 2.74 |
| S-50PF1E5A×2<br>U-100PEY1E5<br>(U-100PEY1E8) | 220V<br>230V<br>240V<br>50Hz<br>1phase<br>(3phase) | 23                 | 16 | 11.1                             | 8.9  | 3.37 | 10.6 | 8.5  | 3.63 | 10.1 | 8.2  | 3.90 | 8.5  | 7.2  | 3.70 | 6.1  | 5.6  | 2.55 |
|                                              |                                                    |                    | 19 | 11.9                             | 6.7  | 3.52 | 11.3 | 6.3  | 3.79 | 10.7 | 6.0  | 4.06 | 9.1  | 5.3  | 3.86 | 6.5  | 4.0  | 2.66 |
|                                              |                                                    |                    | 22 | 13.0                             | 4.4  | 3.64 | 12.4 | 4.2  | 3.92 | 11.8 | 3.9  | 4.20 | 10.0 | 3.4  | 3.99 | 7.2  | 2.4  | 2.75 |
|                                              |                                                    | 25                 | 16 | 11.5                             | 10.7 | 3.43 | 11.0 | 10.2 | 3.70 | 10.4 | 9.8  | 3.96 | 8.8  | 8.8  | 3.76 | 6.3  | 6.3  | 2.59 |
|                                              |                                                    |                    | 19 | 12.3                             | 8.3  | 3.58 | 11.7 | 7.9  | 3.85 | 11.1 | 7.5  | 4.13 | 9.4  | 6.8  | 3.93 | 6.8  | 5.3  | 2.71 |
|                                              |                                                    |                    | 22 | 13.5                             | 6.1  | 3.70 | 12.8 | 5.7  | 3.99 | 12.2 | 5.5  | 4.27 | 10.3 | 4.8  | 4.06 | 7.4  | 3.5  | 2.80 |
|                                              |                                                    | 27                 | 16 | 11.9                             | 11.9 | 3.49 | 11.3 | 11.3 | 3.76 | 10.8 | 10.8 | 4.03 | 9.1  | 9.1  | 3.83 | 6.6  | 6.6  | 2.64 |
|                                              |                                                    |                    | 19 | 12.7                             | 10.2 | 3.64 | 12.1 | 9.7  | 3.92 | 11.5 | 9.3  | 4.20 | 9.8  | 8.4  | 3.99 | 7.0  | 6.5  | 2.75 |
|                                              |                                                    |                    | 22 | 13.9                             | 7.8  | 3.76 | 13.3 | 7.5  | 4.05 | 12.6 | 7.2  | 4.35 | 10.7 | 6.3  | 4.13 | 7.7  | 4.9  | 2.85 |
|                                              |                                                    | 29                 | 16 | 12.1                             | 12.1 | 3.50 | 11.5 | 11.5 | 3.77 | 10.9 | 10.9 | 4.04 | 9.3  | 9.3  | 3.84 | 6.7  | 6.7  | 2.64 |
|                                              |                                                    |                    | 19 | 12.9                             | 11.9 | 3.65 | 12.3 | 11.3 | 3.93 | 11.7 | 10.9 | 4.21 | 9.9  | 9.9  | 4.00 | 7.1  | 7.1  | 2.76 |
|                                              |                                                    |                    | 22 | 14.1                             | 9.5  | 3.77 | 13.5 | 9.1  | 4.06 | 12.8 | 8.8  | 4.36 | 10.9 | 7.8  | 4.14 | 7.8  | 6.1  | 2.85 |
|                                              |                                                    | 32                 | 16 | 12.3                             | 12.3 | 3.50 | 11.7 | 11.7 | 3.78 | 11.1 | 11.1 | 4.05 | 9.4  | 9.4  | 3.84 | 6.8  | 6.8  | 2.65 |
|                                              |                                                    |                    | 19 | 13.1                             | 12.1 | 3.65 | 12.5 | 11.5 | 3.94 | 11.8 | 11.0 | 4.22 | 10.1 | 10.1 | 4.01 | 7.2  | 7.2  | 2.76 |
|                                              |                                                    |                    | 22 | 14.3                             | 9.6  | 3.78 | 13.7 | 9.2  | 4.07 | 13.0 | 8.9  | 4.37 | 11.0 | 7.9  | 4.15 | 7.9  | 6.1  | 2.86 |
| S-60PF1E5A×2<br>U-125PEY1E5<br>(U-125PEY1E8) | 220V<br>230V<br>240V<br>50Hz<br>1phase<br>(3phase) | 23                 | 16 | 12.5                             | 10.4 | 4.02 | 12.2 | 10.1 | 4.33 | 11.8 | 9.8  | 4.64 | 9.5  | 8.4  | 4.41 | 7.2  | 6.8  | 3.04 |
|                                              |                                                    |                    | 19 | 13.4                             | 7.6  | 4.19 | 13.0 | 7.4  | 4.51 | 12.6 | 7.2  | 4.84 | 10.2 | 6.0  | 4.60 | 7.7  | 4.9  | 3.17 |
|                                              |                                                    |                    | 22 | 14.7                             | 4.9  | 4.33 | 14.3 | 4.7  | 4.67 | 13.8 | 4.6  | 5.00 | 11.1 | 3.7  | 4.75 | 8.4  | 2.8  | 3.28 |
|                                              |                                                    | 25                 | 16 | 13.0                             | 12.5 | 4.08 | 12.6 | 12.1 | 4.40 | 12.2 | 11.8 | 4.72 | 9.9  | 9.9  | 4.48 | 7.4  | 7.4  | 3.09 |
|                                              |                                                    |                    | 19 | 13.8                             | 9.6  | 4.26 | 13.5 | 9.4  | 4.59 | 13.1 | 9.1  | 4.92 | 10.5 | 7.7  | 4.67 | 8.0  | 6.4  | 3.22 |
|                                              |                                                    |                    | 22 | 15.2                             | 7.0  | 4.41 | 14.8 | 6.7  | 4.75 | 14.3 | 6.5  | 5.09 | 11.5 | 5.4  | 4.84 | 8.7  | 4.3  | 3.33 |
|                                              |                                                    | 27                 | 16 | 13.4                             | 13.4 | 4.15 | 13.0 | 13.0 | 4.47 | 12.6 | 12.6 | 4.79 | 10.2 | 10.2 | 4.55 | 7.7  | 7.7  | 3.14 |
|                                              |                                                    |                    | 19 | 14.3                             | 11.8 | 4.33 | 13.9 | 11.5 | 4.66 | 13.5 | 11.2 | 5.00 | 10.9 | 9.6  | 4.75 | 8.2  | 7.7  | 3.27 |
|                                              |                                                    |                    | 22 | 15.7                             | 9.1  | 4.48 | 15.3 | 8.7  | 4.83 | 14.8 | 8.6  | 5.17 | 11.9 | 7.2  | 4.92 | 9.0  | 5.8  | 3.39 |
|                                              |                                                    | 29                 | 16 | 13.6                             | 13.6 | 4.16 | 13.2 | 13.2 | 4.48 | 12.8 | 12.8 | 4.81 | 10.3 | 10.3 | 4.57 | 7.8  | 7.8  | 3.15 |
|                                              |                                                    |                    | 19 | 14.5                             | 13.8 | 4.34 | 14.1 | 13.4 | 4.68 | 13.7 | 13.2 | 5.01 | 11.1 | 11.1 | 4.76 | 8.3  | 8.3  | 3.28 |
|                                              |                                                    |                    | 22 | 15.9                             | 11.2 | 4.49 | 15.5 | 10.8 | 4.84 | 15.0 | 10.5 | 5.19 | 12.1 | 8.9  | 4.93 | 9.1  | 7.3  | 3.40 |
|                                              |                                                    | 32                 | 16 | 13.8                             | 13.8 | 4.17 | 13.4 | 13.4 | 4.49 | 13.0 | 13.0 | 4.82 | 10.5 | 10.5 | 4.58 | 7.9  | 7.9  | 3.15 |
|                                              |                                                    |                    | 19 | 14.7                             | 14.0 | 4.35 | 14.3 | 13.6 | 4.69 | 13.9 | 13.3 | 5.02 | 11.2 | 11.2 | 4.77 | 8.5  | 8.5  | 3.29 |
|                                              |                                                    |                    | 22 | 16.2                             | 11.4 | 4.50 | 15.7 | 11.0 | 4.85 | 15.2 | 10.7 | 5.20 | 12.3 | 9.1  | 4.94 | 9.3  | 7.5  | 3.40 |
| S-71PF1E5A×2<br>U-140PEY1E8                  | 220V<br>230V<br>240V<br>50Hz<br>3phase             | 23                 | 16 | 14.1                             | 11.0 | 4.87 | 14.1 | 11.0 | 5.23 | 13.6 | 10.8 | 5.56 | 12.6 | 10.4 | 5.79 | 9.2  | 8.2  | 4.73 |
|                                              |                                                    |                    | 19 | 15.1                             | 8.2  | 5.08 | 15.1 | 8.3  | 5.46 | 14.5 | 8.0  | 5.80 | 13.5 | 7.7  | 6.04 | 9.8  | 5.9  | 4.93 |
|                                              |                                                    |                    | 22 | 16.5                             | 5.5  | 5.25 | 16.5 | 5.5  | 5.64 | 15.9 | 5.3  | 6.00 | 14.8 | 4.9  | 6.25 | 10.8 | 3.6  | 5.10 |
|                                              |                                                    | 25                 | 16 | 14.6                             | 13.1 | 4.95 | 14.6 | 13.2 | 5.32 | 14.0 | 12.9 | 5.66 | 13.1 | 12.6 | 5.88 | 9.5  | 9.3  | 4.81 |
|                                              |                                                    |                    | 19 | 15.6                             | 10.4 | 5.16 | 15.6 | 10.3 | 5.55 | 15.0 | 10.0 | 5.90 | 13.9 | 9.7  | 6.14 | 10.2 | 7.6  | 5.02 |
|                                              |                                                    |                    | 22 | 17.1                             | 7.5  | 5.34 | 17.1 | 7.6  | 5.74 | 16.4 | 7.3  | 6.11 | 15.3 | 6.9  | 6.35 | 11.2 | 5.3  | 5.19 |
|                                              |                                                    | 27                 | 16 | 15.1                             | 15.1 | 5.03 | 15.1 | 15.1 | 5.41 | 14.5 | 14.5 | 5.75 | 13.5 | 13.5 | 5.98 | 9.9  | 9.9  | 4.89 |
|                                              |                                                    |                    | 19 | 16.1                             | 12.5 | 5.25 | 16.1 | 12.6 | 5.64 | 15.5 | 12.2 | 6.00 | 14.4 | 11.9 | 6.24 | 10.5 | 9.4  | 5.10 |
|                                              |                                                    |                    | 22 | 17.7                             | 9.7  | 5.43 | 17.7 | 9.7  | 5.83 | 17.0 | 9.4  | 6.21 | 15.8 | 9.0  | 6.46 | 11.5 | 7.0  | 5.28 |
|                                              |                                                    | 29                 | 16 | 15.3                             | 15.3 | 5.05 | 15.3 | 15.3 | 5.42 | 14.7 | 14.7 | 5.77 | 13.7 | 13.7 | 6.00 | 10.0 | 10.0 | 4.90 |
|                                              |                                                    |                    | 19 | 16.4                             | 14.6 | 5.26 | 16.4 | 14.7 | 5.65 | 15.7 | 14.1 | 6.01 | 14.6 | 13.9 | 6.26 | 10.7 | 10.4 | 5.11 |
|                                              |                                                    |                    | 22 | 17.9                             | 11.7 | 5.44 | 17.9 | 11.8 | 5.85 | 17.2 | 11.5 | 6.22 | 16.0 | 11.2 | 6.47 | 11.7 | 8.8  | 5.29 |
|                                              |                                                    | 32                 | 16 | 15.5                             | 15.5 | 5.06 | 15.5 | 15.5 | 5.43 | 14.9 | 14.9 | 5.78 | 13.9 | 13.9 | 6.01 | 10.2 | 10.2 | 4.91 |
|                                              |                                                    |                    | 19 | 16.6                             | 14.7 | 5.28 | 16.6 | 14.8 | 5.67 | 16.0 | 14.4 | 6.03 | 14.8 | 14.1 | 6.27 | 10.9 | 10.6 | 5.13 |
|                                              |                                                    |                    | 22 | 18.2                             | 11.9 | 5.46 | 18.2 | 12.0 | 5.86 | 17.5 | 11.7 | 6.24 | 16.3 | 11.4 | 6.49 | 11.9 | 8.9  | 5.30 |

## 1-13. Capacity Table

### 2. Heating Capacity Performance Data

#### • Combination of Single Unit

Low Sihouette Ducted Type

TC :Cooling Capacity

IPT :Cooling Power Consumption

unit : kW

| Model                                       | Power Source                                         | Ambient Return Air | Outdoor air intake temp(°C W.B.) |      |      |      |      |      |      |      |      |      |
|---------------------------------------------|------------------------------------------------------|--------------------|----------------------------------|------|------|------|------|------|------|------|------|------|
|                                             |                                                      |                    | -5°C                             |      | 0°C  |      | 6°C  |      | 10°C |      | 15°C |      |
|                                             |                                                      |                    | TC                               | IPT  | TC   | IPT  | TC   | IPT  | TC   | IPT  | TC   | IPT  |
| S-50PF1E5A<br>U-50PE1E5                     | 220V<br>230V<br>240V<br>50Hz<br>1 phase              | 16                 | 4.6                              | 1.87 | 4.9  | 1.92 | 6.7  | 2.28 | 8.3  | 2.73 | 8.8  | 2.62 |
|                                             |                                                      | 20                 | 4.4                              | 1.97 | 4.7  | 2.02 | 6.5  | 2.40 | 8.0  | 2.87 | 8.5  | 2.75 |
|                                             |                                                      | 24                 | 4.3                              | 2.03 | 4.5  | 2.08 | 6.2  | 2.47 | 7.7  | 2.96 | 8.2  | 2.84 |
| S-60PF1E5A<br>U-60PE1E5A                    | 220V<br>230V<br>240V<br>50Hz<br>1 phase              | 16                 | 7.3                              | 2.43 | 7.5  | 2.45 | 8.6  | 2.44 | 8.8  | 2.32 | 8.8  | 2.17 |
|                                             |                                                      | 20                 | 7.0                              | 2.51 | 7.2  | 2.52 | 8.0  | 2.48 | 8.0  | 2.36 | 8.0  | 2.21 |
|                                             |                                                      | 24                 | 6.6                              | 2.58 | 6.8  | 2.60 | 7.2  | 2.52 | 7.2  | 2.40 | 7.2  | 2.25 |
| S-71PF1E5A<br>U-71PE1E5A<br>(U-71PE1E8A)    | 220V<br>230V<br>240V<br>50Hz<br>1 phase<br>(3 phase) | 16                 | 8.2                              | 2.88 | 8.5  | 2.90 | 9.7  | 2.86 | 9.9  | 2.67 | 9.9  | 2.47 |
|                                             |                                                      | 20                 | 7.8                              | 2.96 | 8.1  | 2.98 | 9.0  | 2.90 | 9.0  | 2.72 | 9.0  | 2.49 |
|                                             |                                                      | 24                 | 7.4                              | 3.05 | 7.7  | 3.07 | 8.1  | 2.96 | 8.1  | 2.78 | 8.1  | 2.55 |
| S-100PF1E5A<br>U-100PE1E5A<br>(U-100PE1E8A) | 220V<br>230V<br>240V<br>50Hz<br>1 phase<br>(3 phase) | 16                 | 15.1                             | 4.97 | 15.1 | 4.77 | 15.1 | 4.16 | 15.1 | 3.66 | 15.1 | 3.10 |
|                                             |                                                      | 20                 | 14.0                             | 5.26 | 14.0 | 5.05 | 14.0 | 4.40 | 14.0 | 3.87 | 14.0 | 3.28 |
|                                             |                                                      | 24                 | 13.1                             | 5.34 | 13.1 | 5.13 | 13.1 | 4.47 | 13.1 | 3.94 | 13.1 | 3.33 |
| S-125PF1E5A<br>U-125PE1E5A<br>(U-125PE1E8A) | 220V<br>230V<br>240V<br>50Hz<br>1 phase<br>(3 phase) | 16                 | 16.7                             | 5.52 | 17.2 | 5.43 | 17.3 | 4.91 | 17.3 | 4.33 | 17.3 | 3.66 |
|                                             |                                                      | 20                 | 15.5                             | 5.84 | 15.9 | 5.74 | 16.0 | 5.20 | 16.0 | 4.58 | 16.0 | 3.87 |
|                                             |                                                      | 24                 | 14.5                             | 5.93 | 14.9 | 5.84 | 15.0 | 5.28 | 15.0 | 4.65 | 15.0 | 3.94 |
| S-140PF1E5A<br>U-140PE1E5A<br>(U-140PE1E8A) | 220V<br>230V<br>240V<br>50Hz<br>1 phase<br>(3 phase) | 16                 | 18.1                             | 5.72 | 19.2 | 5.69 | 19.4 | 5.57 | 19.4 | 4.91 | 19.4 | 4.15 |
|                                             |                                                      | 20                 | 16.7                             | 6.05 | 17.8 | 6.02 | 18.0 | 5.90 | 18.0 | 5.19 | 18.0 | 4.40 |
|                                             |                                                      | 24                 | 15.7                             | 6.15 | 16.7 | 6.12 | 16.9 | 6.00 | 16.9 | 5.28 | 16.9 | 4.47 |

## 1-13. Capacity Table

### 2. Heating Capacity Performance Data

TC :Cooling Capacity

IPT :Cooling Power Consumption

#### • Combination of Multiple Unit

Low Silhouette Ducted Type

unit : kW

|                                              |                                                      |                    | Outdoor air intake temp(°C W.B.) |      |      |      |      |      |      |      |      |      |
|----------------------------------------------|------------------------------------------------------|--------------------|----------------------------------|------|------|------|------|------|------|------|------|------|
| Model                                        | Power Source                                         | Ambient Return Air | -5°C                             |      | 0°C  |      | 6°C  |      | 10°C |      | 15°C |      |
|                                              |                                                      | DB                 | TC                               | IPT  | TC   | IPT  | TC   | IPT  | TC   | IPT  | TC   | IPT  |
| S-36PF1E5Ax2<br>U-71PE1E5A<br>(U-71PE1E8A)   | 220V<br>230V<br>240V<br>50Hz<br>1 phase<br>(3 phase) | 16                 | 8.2                              | 2.88 | 8.5  | 2.90 | 9.7  | 2.86 | 9.9  | 2.67 | 9.9  | 2.47 |
|                                              |                                                      | 20                 | 7.8                              | 2.96 | 8.1  | 2.98 | 9.0  | 2.90 | 9.0  | 2.72 | 9.0  | 2.49 |
|                                              |                                                      | 24                 | 7.4                              | 3.05 | 7.7  | 3.07 | 8.1  | 2.96 | 8.1  | 2.78 | 8.1  | 2.55 |
| S-36PF1E5Ax3<br>U-100PE1E5A<br>(U-100PE1E8A) | 220V<br>230V<br>240V<br>50Hz<br>1 phase<br>(3 phase) | 16                 | 15.1                             | 4.97 | 15.1 | 4.77 | 15.1 | 4.16 | 15.1 | 3.66 | 15.1 | 3.10 |
|                                              |                                                      | 20                 | 14.0                             | 5.26 | 14.0 | 5.05 | 14.0 | 4.40 | 14.0 | 3.87 | 14.0 | 3.28 |
|                                              |                                                      | 24                 | 13.1                             | 5.34 | 13.1 | 5.13 | 13.1 | 4.47 | 13.1 | 3.94 | 13.1 | 3.33 |
| S-50PF1E5Ax2<br>U-100PE1E5A<br>(U-100PE1E8A) | 220V<br>230V<br>240V<br>50Hz<br>1 phase<br>(3 phase) | 16                 | 15.1                             | 4.97 | 15.1 | 4.77 | 15.1 | 4.16 | 15.1 | 3.66 | 15.1 | 3.10 |
|                                              |                                                      | 20                 | 14.0                             | 5.26 | 14.0 | 5.05 | 14.0 | 4.40 | 14.0 | 3.87 | 14.0 | 3.28 |
|                                              |                                                      | 24                 | 13.1                             | 5.34 | 13.1 | 5.13 | 13.1 | 4.47 | 13.1 | 3.94 | 13.1 | 3.33 |
| S-36PF1E5Ax4<br>U-125PE1E5A<br>(U-125PE1E8A) | 220V<br>230V<br>240V<br>50Hz<br>1 phase<br>(3 phase) | 16                 | 16.7                             | 5.52 | 17.2 | 5.43 | 17.3 | 4.91 | 17.3 | 4.33 | 17.3 | 3.66 |
|                                              |                                                      | 20                 | 15.5                             | 5.84 | 15.9 | 5.74 | 16.0 | 5.20 | 16.0 | 4.58 | 16.0 | 3.87 |
|                                              |                                                      | 24                 | 14.5                             | 5.93 | 14.9 | 5.84 | 15.0 | 5.28 | 15.0 | 4.65 | 15.0 | 3.94 |
| S-45PF1E5Ax3<br>U-125PE1E5A<br>(U-125PE1E8A) | 220V<br>230V<br>240V<br>50Hz<br>1 phase<br>(3 phase) | 16                 | 16.7                             | 5.52 | 17.2 | 5.43 | 17.3 | 4.91 | 17.3 | 4.33 | 17.3 | 3.66 |
|                                              |                                                      | 20                 | 15.5                             | 5.84 | 15.9 | 5.74 | 16.0 | 5.20 | 16.0 | 4.58 | 16.0 | 3.87 |
|                                              |                                                      | 24                 | 14.5                             | 5.93 | 14.9 | 5.84 | 15.0 | 5.28 | 15.0 | 4.65 | 15.0 | 3.94 |
| S-60PF1E5Ax2<br>U-125PE1E5A<br>(U-125PE1E8A) | 220V<br>230V<br>240V<br>50Hz<br>1 phase<br>(3 phase) | 16                 | 16.7                             | 5.52 | 17.2 | 5.43 | 17.3 | 4.91 | 17.3 | 4.33 | 17.3 | 3.66 |
|                                              |                                                      | 20                 | 15.5                             | 5.84 | 15.9 | 5.74 | 16.0 | 5.20 | 16.0 | 4.58 | 16.0 | 3.87 |
|                                              |                                                      | 24                 | 14.5                             | 5.93 | 14.9 | 5.84 | 15.0 | 5.28 | 15.0 | 4.65 | 15.0 | 3.94 |
| S-50PF1E5Ax3<br>U-140PE1E5A<br>(U-140PE1E8A) | 220V<br>230V<br>240V<br>50Hz<br>1 phase<br>(3 phase) | 16                 | 18.1                             | 5.72 | 19.2 | 5.69 | 19.4 | 5.57 | 19.4 | 4.91 | 19.4 | 4.15 |
|                                              |                                                      | 20                 | 16.7                             | 6.05 | 17.8 | 6.02 | 18.0 | 5.90 | 18.0 | 5.19 | 18.0 | 4.40 |
|                                              |                                                      | 24                 | 15.7                             | 6.15 | 16.7 | 6.12 | 16.9 | 6.00 | 16.9 | 5.28 | 16.9 | 4.47 |
| S-71PF1E5Ax2<br>U-140PE1E5A<br>(U-140PE1E8A) | 220V<br>230V<br>240V<br>50Hz<br>1 phase<br>(3 phase) | 16                 | 18.1                             | 5.72 | 19.2 | 5.69 | 19.4 | 5.57 | 19.4 | 4.91 | 19.4 | 4.15 |
|                                              |                                                      | 20                 | 16.7                             | 6.05 | 17.8 | 6.02 | 18.0 | 5.90 | 18.0 | 5.19 | 18.0 | 4.40 |
|                                              |                                                      | 24                 | 15.7                             | 6.15 | 16.7 | 6.12 | 16.9 | 6.00 | 16.9 | 5.28 | 16.9 | 4.47 |

## 1-13. Capacity Table

### 2. Heating Capacity Performance Data

#### • Combination of Single Unit

Low Silhouette Ducted Type

TC :Cooling Capacity

IPT :Cooling Power Consumption

unit : kW

| Model                                       | Power Source                                         | Ambient Return Air | Outdoor air intake temp(°C W.B.) |      |      |      |      |      |      |      |      |      |
|---------------------------------------------|------------------------------------------------------|--------------------|----------------------------------|------|------|------|------|------|------|------|------|------|
|                                             |                                                      |                    | -5°C                             |      | 0°C  |      | 6°C  |      | 10°C |      | 15°C |      |
|                                             |                                                      |                    | TC                               | IPT  | TC   | IPT  | TC   | IPT  | TC   | IPT  | TC   | IPT  |
| S-60PF1E5A<br>U-60PEY1E5                    | 220V<br>230V<br>240V<br>50Hz<br>1 phase              | 16                 | 5.6                              | 1.80 | 5.9  | 1.83 | 7.2  | 1.95 | 8.3  | 2.18 | 9.5  | 2.38 |
|                                             |                                                      | 20                 | 5.4                              | 1.89 | 5.7  | 1.93 | 7.0  | 2.06 | 8.1  | 2.30 | 9.2  | 2.51 |
|                                             |                                                      | 24                 | 5.2                              | 1.95 | 5.5  | 1.99 | 6.7  | 2.12 | 7.8  | 2.37 | 8.8  | 2.58 |
| S-71PF1E5A<br>U-71PEY1E5                    | 220V<br>230V<br>240V<br>50Hz<br>1 phase              | 16                 | 5.6                              | 1.85 | 6.1  | 1.93 | 8.3  | 2.26 | 9.4  | 2.46 | 10.6 | 2.65 |
|                                             |                                                      | 20                 | 5.5                              | 1.94 | 6.0  | 2.03 | 8.1  | 2.38 | 9.1  | 2.59 | 10.2 | 2.79 |
|                                             |                                                      | 24                 | 5.2                              | 2.00 | 5.7  | 2.09 | 7.8  | 2.45 | 8.7  | 2.66 | 9.8  | 2.88 |
| S-100PF1E5A<br>U-100PEY1E5<br>(U-100PEY1E8) | 220V<br>230V<br>240V<br>50Hz<br>1 phase<br>(3 phase) | 16                 | 13.4                             | 4.37 | 13.9 | 3.95 | 14.9 | 3.78 | 13.9 | 2.87 | 15.6 | 3.00 |
|                                             |                                                      | 20                 | 12.4                             | 4.63 | 12.9 | 4.19 | 13.8 | 4.00 | 12.9 | 3.03 | 14.5 | 3.18 |
|                                             |                                                      | 24                 | 11.6                             | 4.70 | 12.1 | 4.25 | 12.9 | 4.06 | 12.0 | 3.08 | 13.5 | 3.23 |
| S-125PF1E5A<br>U-125PEY1E5<br>(U-125PEY1E8) | 220V<br>230V<br>240V<br>50Hz<br>1 phase<br>(3 phase) | 16                 | 14.5                             | 4.81 | 15.2 | 4.35 | 16.2 | 4.16 | 15.1 | 3.15 | 17.0 | 3.30 |
|                                             |                                                      | 20                 | 13.5                             | 5.09 | 14.0 | 4.60 | 15.0 | 4.40 | 14.0 | 3.34 | 15.7 | 3.50 |
|                                             |                                                      | 24                 | 12.6                             | 5.17 | 13.1 | 4.68 | 14.0 | 4.47 | 13.1 | 3.39 | 14.7 | 3.55 |
| S-140PF1E5A<br>U-140PEY1E8                  | 220V<br>230V<br>240V<br>50Hz<br>3phase               | 16                 | 16.7                             | 5.52 | 17.2 | 5.43 | 17.3 | 4.91 | 17.3 | 4.33 | 17.3 | 3.66 |
|                                             |                                                      | 20                 | 15.5                             | 5.84 | 15.9 | 5.74 | 16.0 | 5.20 | 16.0 | 4.58 | 16.0 | 3.87 |
|                                             |                                                      | 24                 | 14.5                             | 5.93 | 14.9 | 5.84 | 15.0 | 5.28 | 15.0 | 4.65 | 15.0 | 3.94 |

### 1-13. Capacity Table

### 2. Heating Capacity Performance Data

TC :Cooling Capacity

IPT :Cooling Power Consumption

#### • Combination of Multiple Unit

Low Silhouette Ducted Type

unit : kW

| Model                                        | Power Source                                         | Ambient Return Air | Outdoor air intake temp(°C W.B.) |      |      |      |      |      |      |      |      |      |
|----------------------------------------------|------------------------------------------------------|--------------------|----------------------------------|------|------|------|------|------|------|------|------|------|
|                                              |                                                      |                    | -5°C                             |      | 0°C  |      | 6°C  |      | 10°C |      | 15°C |      |
|                                              |                                                      |                    | TC                               | IPT  | TC   | IPT  | TC   | IPT  | TC   | IPT  | TC   | IPT  |
| S-36PF1E5A×2<br>U-71PEY1E5                   | 220V<br>230V<br>240V<br>50Hz<br>1 phase              | 16                 | 5.6                              | 1.86 | 6.1  | 1.95 | 8.3  | 2.28 | 9.4  | 2.48 | 10.6 | 2.68 |
|                                              |                                                      | 20                 | 5.5                              | 1.96 | 6.0  | 2.05 | 8.1  | 2.40 | 9.1  | 2.61 | 10.2 | 2.82 |
|                                              |                                                      | 24                 | 5.2                              | 2.02 | 5.7  | 2.11 | 7.8  | 2.47 | 8.7  | 2.69 | 9.8  | 2.90 |
| S-50PF1E5A×2<br>U-100PEY1E5<br>(U-100PEY1E8) | 220V<br>230V<br>240V<br>50Hz<br>1 phase<br>(3 phase) | 16                 | 13.4                             | 4.37 | 13.9 | 3.95 | 14.9 | 3.78 | 13.9 | 2.87 | 15.6 | 3.00 |
|                                              |                                                      | 20                 | 12.4                             | 4.63 | 12.9 | 4.19 | 13.8 | 4.00 | 12.9 | 3.03 | 14.5 | 3.18 |
|                                              |                                                      | 24                 | 11.6                             | 4.70 | 12.1 | 4.25 | 12.9 | 4.06 | 12.0 | 3.08 | 13.5 | 3.23 |
| S-60PF1E5A×2<br>U-125PEY1E5<br>(U-125PEY1E8) | 220V<br>230V<br>240V<br>50Hz<br>1 phase<br>(3 phase) | 16                 | 14.5                             | 4.81 | 15.2 | 4.35 | 16.2 | 4.16 | 15.1 | 3.15 | 17.0 | 3.30 |
|                                              |                                                      | 20                 | 13.5                             | 5.09 | 14.0 | 4.60 | 15.0 | 4.40 | 14.0 | 3.34 | 15.7 | 3.50 |
|                                              |                                                      | 24                 | 12.6                             | 5.17 | 13.1 | 4.68 | 14.0 | 4.47 | 13.1 | 3.39 | 14.7 | 3.55 |
| S-71PF1E5A×2<br>U-140PEY1E8                  | 220V<br>230V<br>240V<br>50Hz<br>3phase               | 16                 | 16.7                             | 5.52 | 17.2 | 5.43 | 17.3 | 4.91 | 17.3 | 4.33 | 17.3 | 3.66 |
|                                              |                                                      | 20                 | 15.5                             | 5.84 | 15.9 | 5.74 | 16.0 | 5.20 | 16.0 | 4.58 | 16.0 | 3.87 |
|                                              |                                                      | 24                 | 14.5                             | 5.93 | 14.9 | 5.84 | 15.0 | 5.28 | 15.0 | 4.65 | 15.0 | 3.94 |

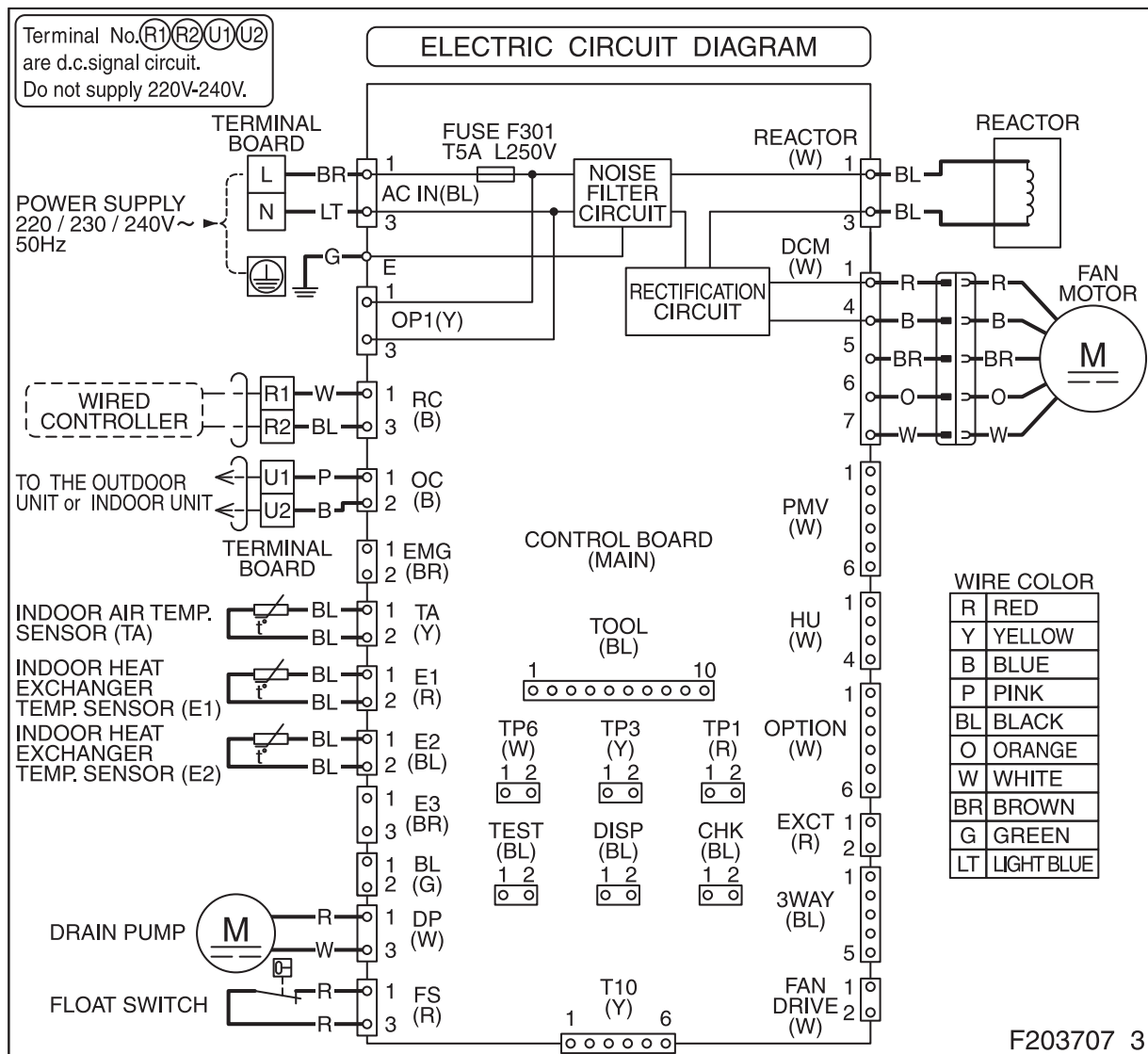
### 3. ELECTRICAL DATA

|                                                                           |             |
|---------------------------------------------------------------------------|-------------|
| <b>3-1. Indoor Units (Electric Wiring Diagram Schematic Diagram).....</b> | <b>3-2</b>  |
| 4-Way Cassette Type .....                                                 | 3-2         |
| 4-Way Cassette 60 × 60 Type .....                                         | 3-3         |
| Ceiling Type .....                                                        | 3-4         |
| Wall Mounted Type.....                                                    | 3-7         |
| Low Silhouette Ducted Type .....                                          | 3-8         |
| Ducted Type .....                                                         | 3-9         |
| <b>3-2. Outdoor Units (Electric Wiring Diagram) .....</b>                 | <b>3-11</b> |

### 3-1. Indoor Units

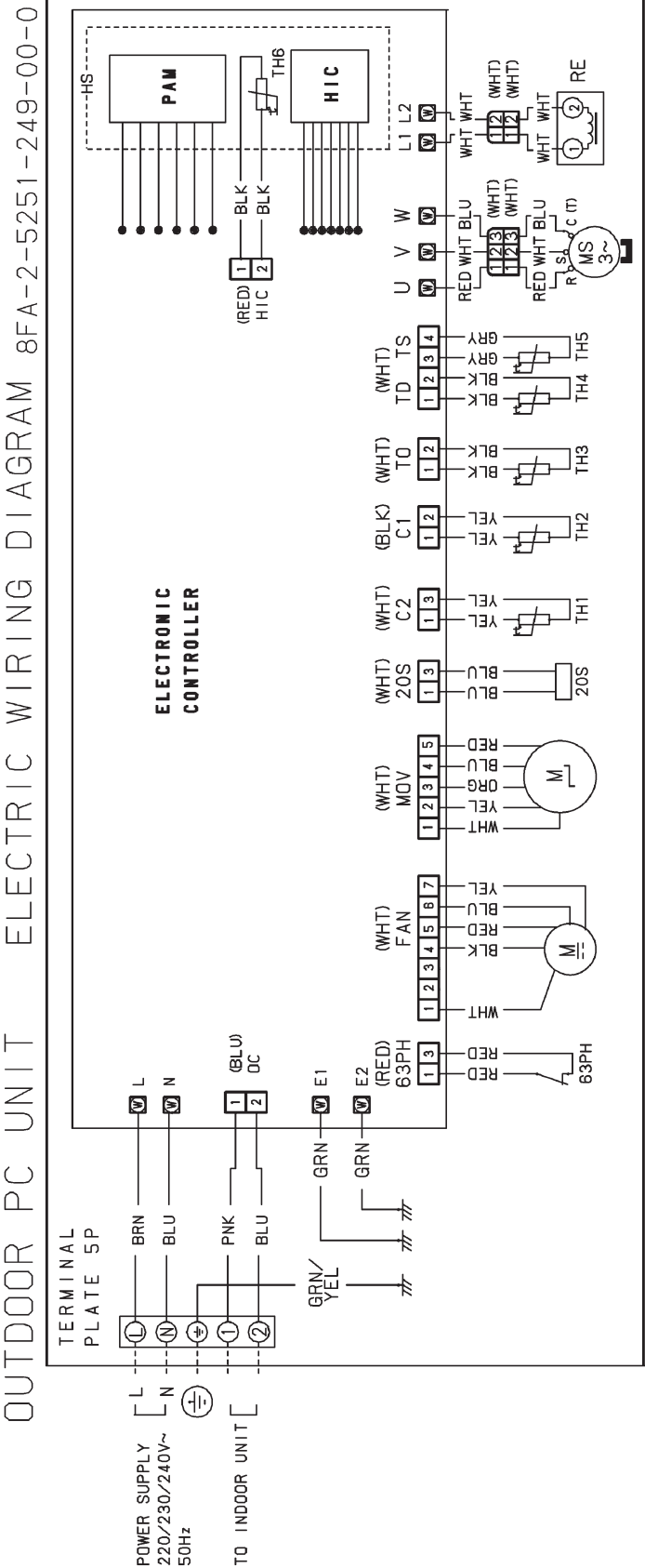
■ Low Silhouette Ducted Type S-36PF1E5A / S-45PF1E5A / S-50PF1E5A / S-60PF1E5A / S-71PF1E5A  
S-100PF1E5A / S-125PF1E5A / S-140PF1E5A

#### Electric Wiring Diagram



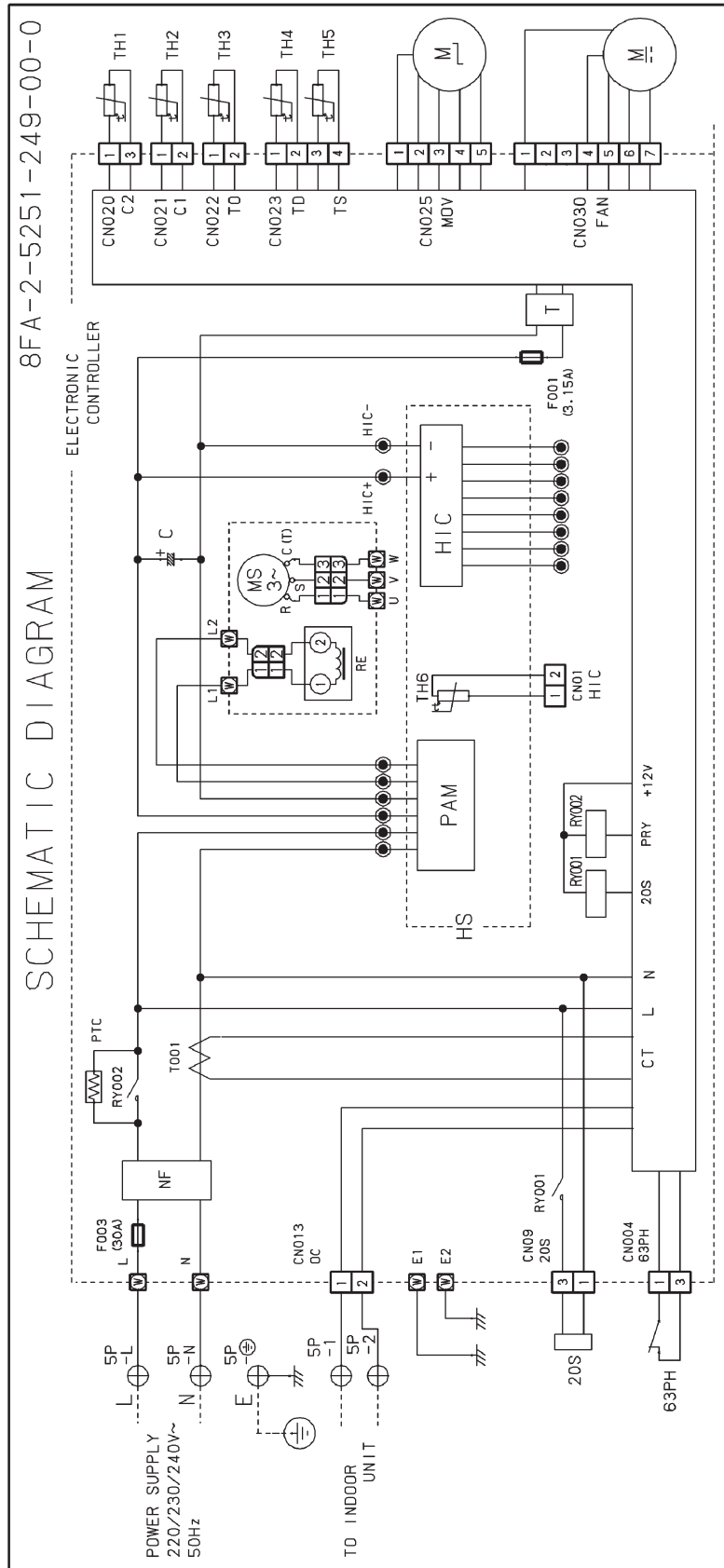
3-2. Outdoor Units

Single-phase U-50PE1E5



## 3-2. Outdoor Units

### ■ Single-phase U-50PE1E5



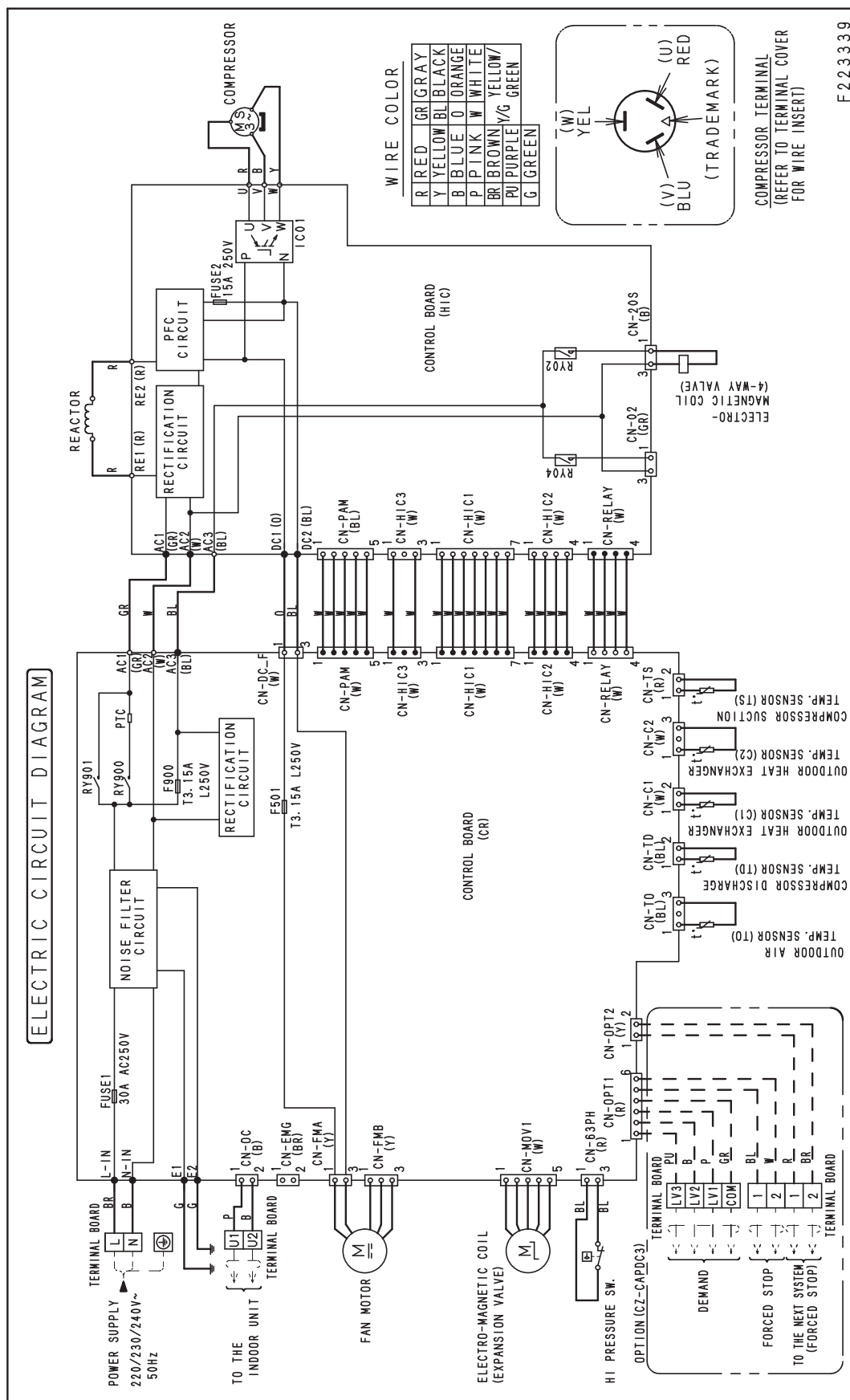
| SYMBOLS  | DESCRIPTION            | SYMBOLS | DESCRIPTION            | SYMBOLS | DESCRIPTION          | SYMBOLS | DESCRIPTION        | SYMBOLS    | DESCRIPTION        | SYMBOLS   | DESCRIPTION        | SYMBOLS    | DESCRIPTION        | SYMBOLS    | DESCRIPTION       |
|----------|------------------------|---------|------------------------|---------|----------------------|---------|--------------------|------------|--------------------|-----------|--------------------|------------|--------------------|------------|-------------------|
| MS<br>3~ | COMPRESSOR MOTOR       | NF      | NOISE FILTER           | HS      | HEAT SINK (RADIATOR) | TH      | TEMPERATURE SENSOR | TH1-TH5    | TEMPERATURE SENSOR | TD        | TEMPERATURE SENSOR | TS         | TEMPERATURE SENSOR | MOV        | MOVING COIL MOTOR |
| M        | OUTDOOR FAN MOTOR      | C       | ELECTROLYTIC CAPACITOR | T001    | PTC                  | PTC     | PTC THERMISTOR     | RE         | REACTOR            | HYBRID IC | PAM IC             | RY001, 002 | RELAY              | RY001, 002 | RELAY             |
| 20S      | 4-WAY VALVE            | RE      | REACTOR                | PTC     | PTC                  | PTC     | PTC THERMISTOR     | T          | TRANSFORMER        | RELAY     | RELAY              | RY001, 002 | RELAY              | RY001, 002 | RELAY             |
| M        | EXPANSION VALVE        | HIC     | HYBRID IC              | PAM     | PAM                  | PAM     | PAM IC             | RY001, 002 | RELAY              | RELAY     | RELAY              | RY001, 002 | RELAY              | RY001, 002 | RELAY             |
| F001.003 | OPERATION CIRCUIT FUSE | PAM     | PAM                    | PAM     | PAM                  | PAM     | PAM IC             | RY001, 002 | RELAY              | RELAY     | RELAY              | RY001, 002 | RELAY              | RY001, 002 | RELAY             |



**WARNING**  
TURN OFF THE MAIN POWER SUPPLY SWITCH WHEN CHANGING P.C.B.. CONFIRM ALL THE L.E.D.S ON THE P.C.B. ARE OFF AND START TO REWORK. OTHERWISE YOU MAY BE KILLED BY AN ELECTRIC SHOCK.

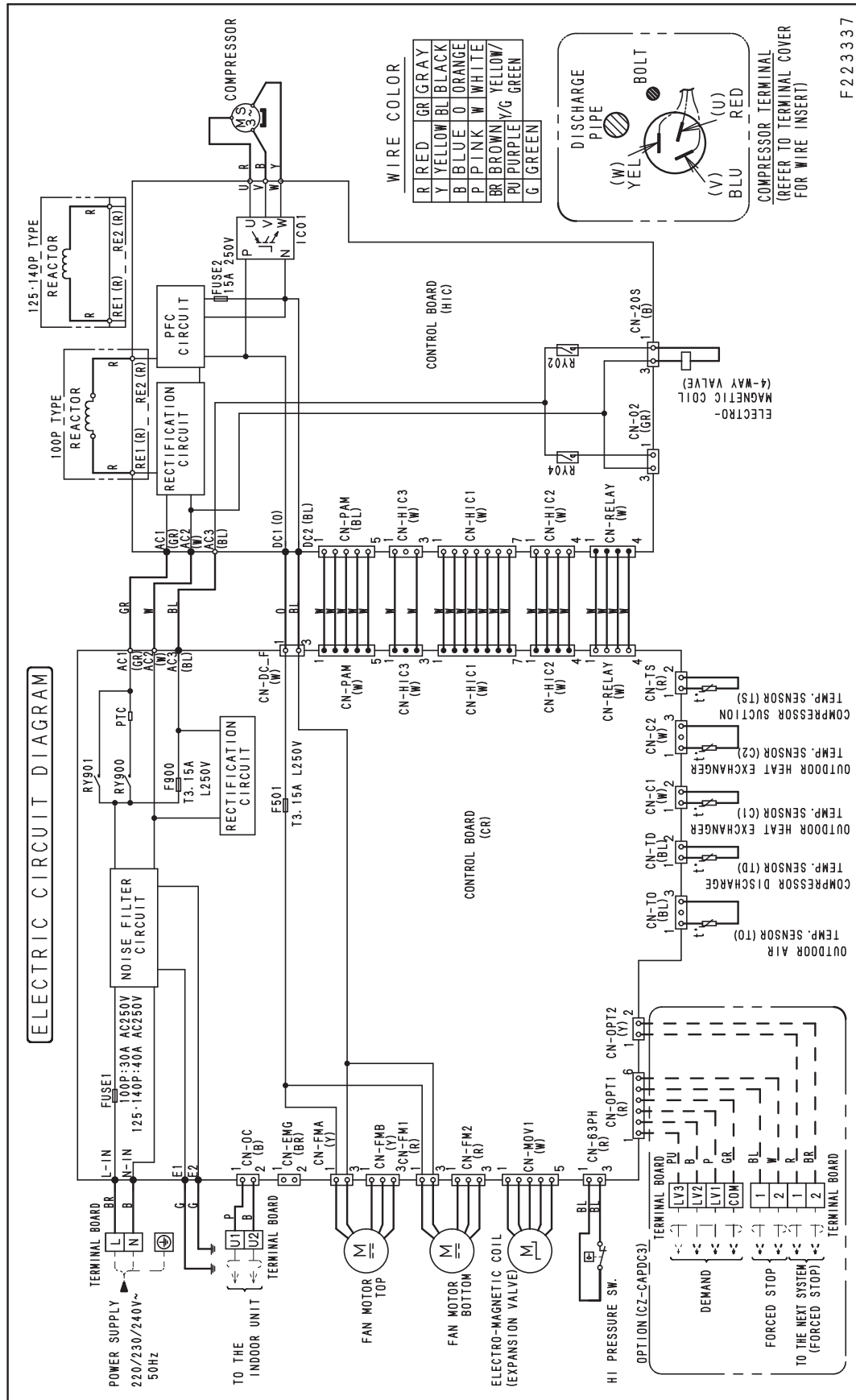
### 3-2. Outdoor Units

■ **Single-phase** U-60PE1E5A / U-71PE1E5A



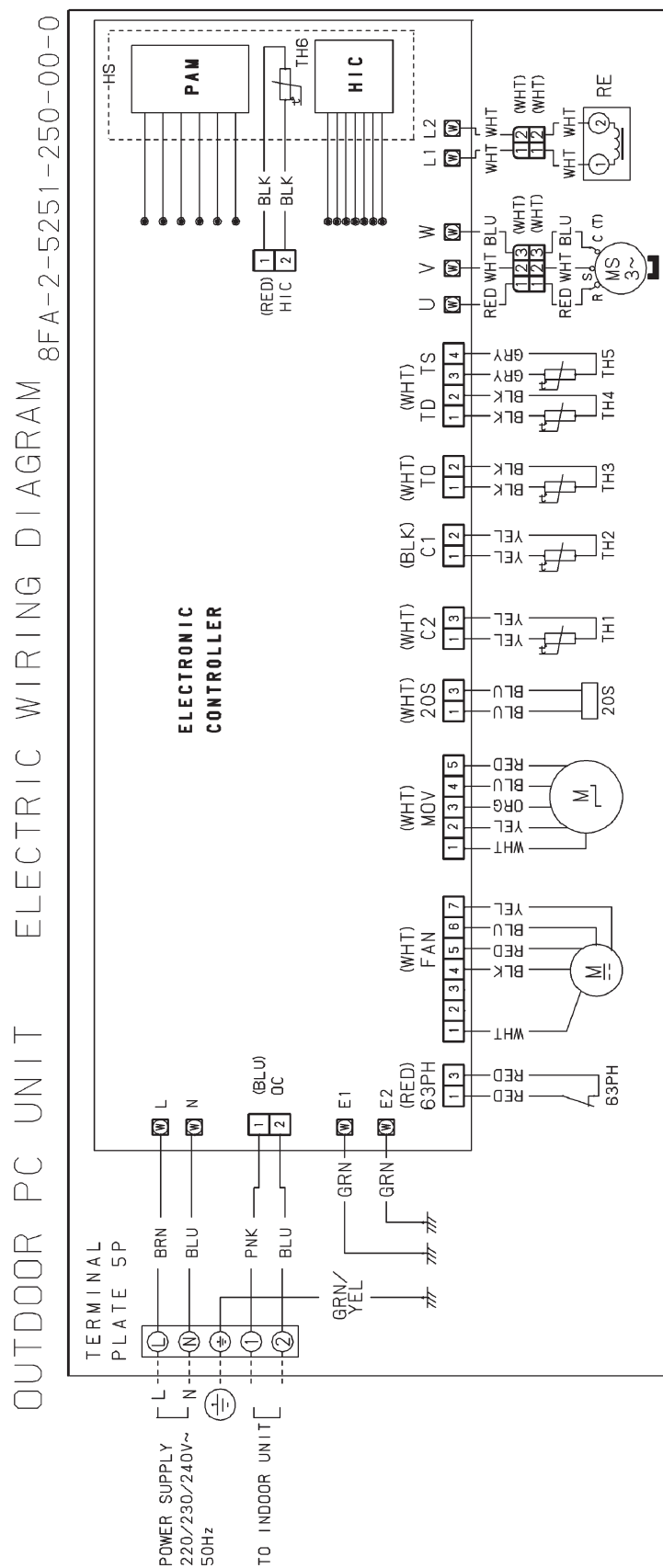
## 3-2. Outdoor Units

### Single-phase U-100PE1E5A / U-125PE1E5A / U-140PE1E5A



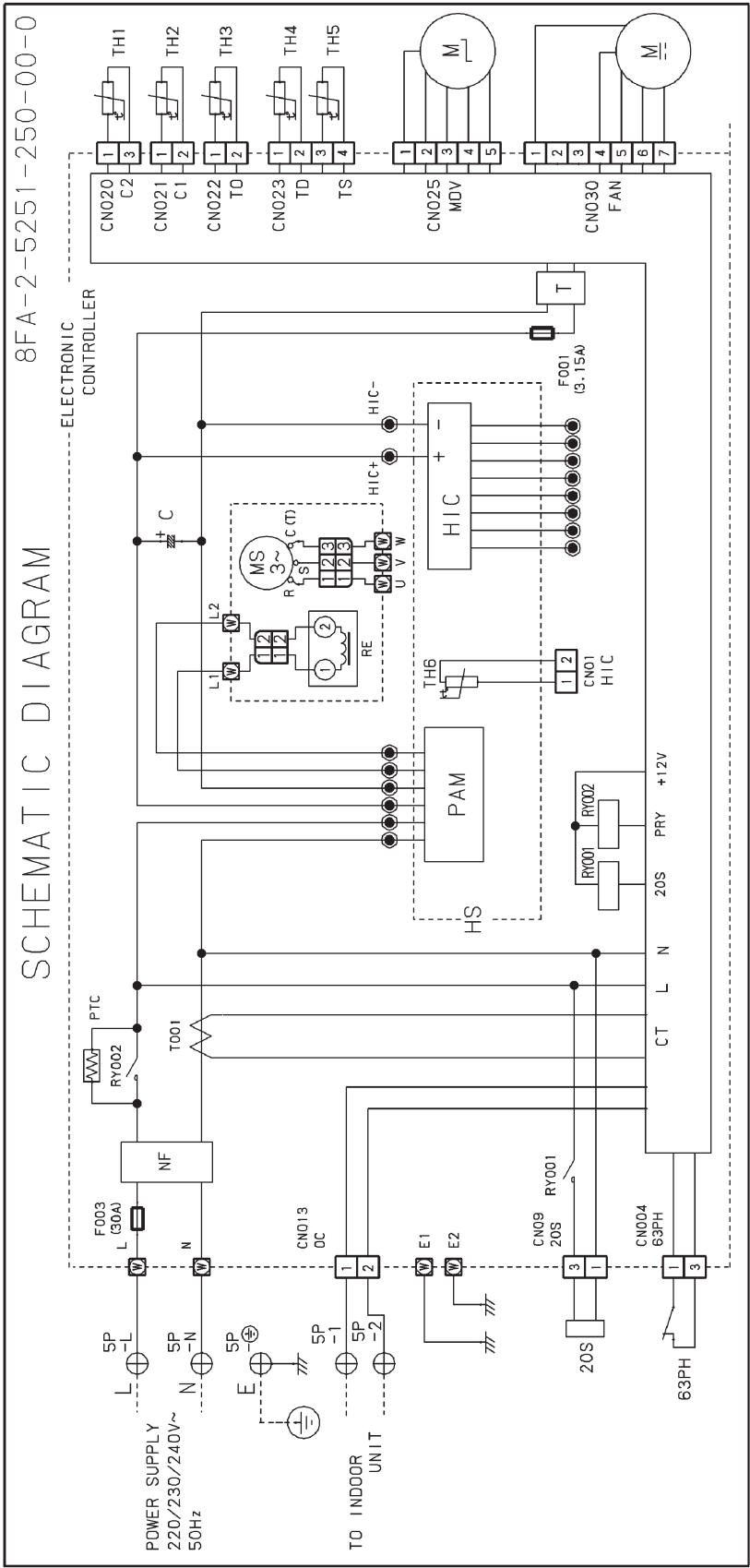
### 3-2. Outdoor Units

■ **Single-phase** U-60PEY1E5 / U-71PEY1E5



3-2. Outdoor Units

■ Single-phase U-60PEY1E5 / U-71PEY1E5



| SYMBOLS  | DESCRIPTION            | SYMBOLS | DESCRIPTION            | SYMBOLS   | DESCRIPTION         | SYMBOLS | DESCRIPTION     |
|----------|------------------------|---------|------------------------|-----------|---------------------|---------|-----------------|
| MS<br>3~ | COMPRESSOR MOTOR       | NF      | NOISE FILTER           | HS        | HEAT SINK RADIATOR  |         | THERMISTOR      |
| M        | OUTDOOR FAN MOTOR      | C       | ELECTROLYTIC CAPACITOR | TOO1      | CURRENT TRANSFORMER |         | CONNECTOR       |
| 20S      | 4-WAY VALVE            | RE      | REACTOR                | PTC       | PTC THERMISTOR      |         | LEAD WIRE       |
| M        | EXPANSION VALVE        | HIC     | HYBRID IC              | T         | TRANSFORMER         |         | TERMINAL BOARD  |
| F001.003 | OPERATION CIRCUIT FUSE | PAM     | PAM IC                 | RY001.002 | RELAY               | 63PH    | PRESSURE SWITCH |

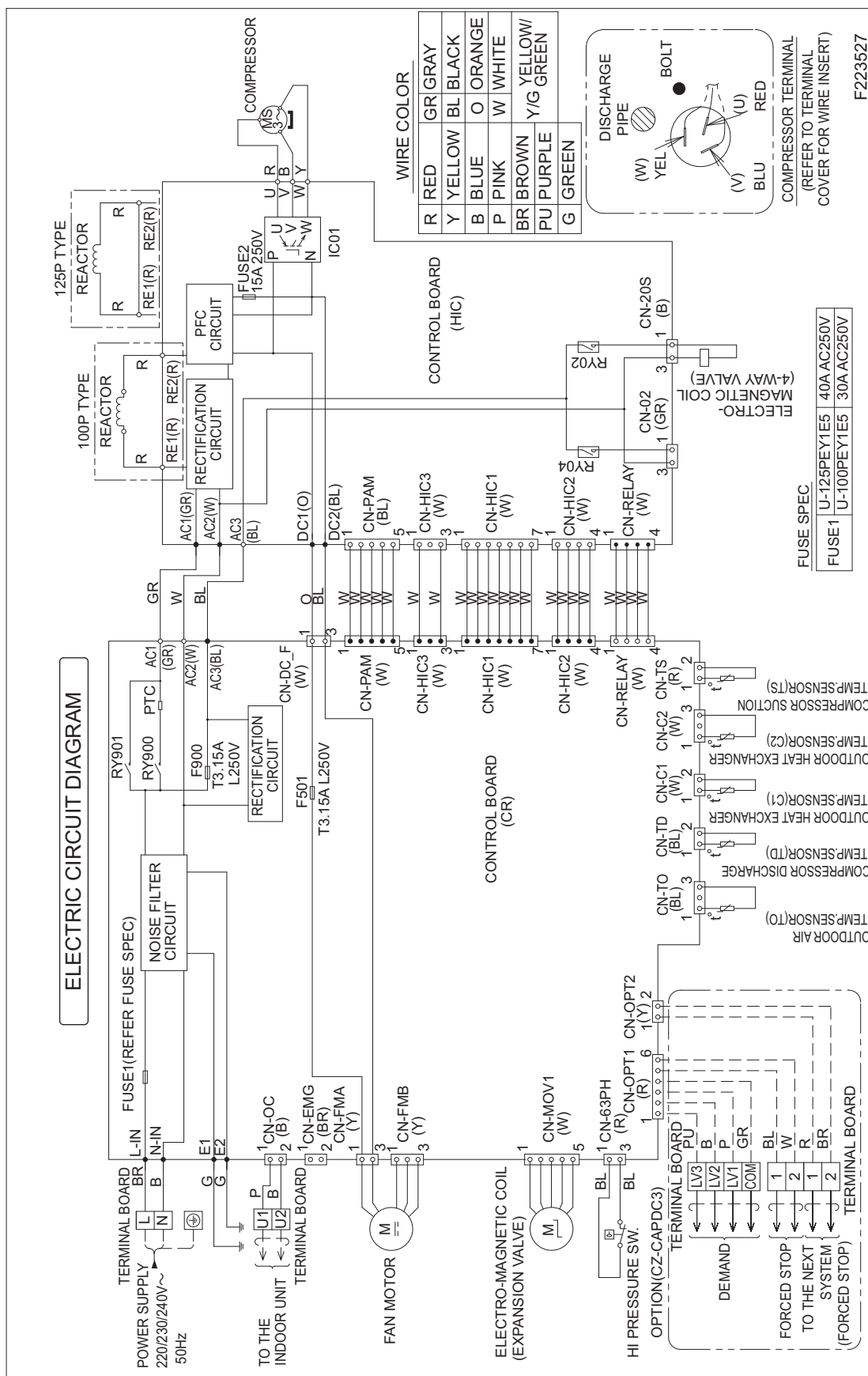


WARNING

TURN OFF THE MAIN POWER SUPPLY SWITCH WHEN CHANGING P.C.B.. CONFIRM ALL THE L.E.D.S ON THE P.C.B. ARE OFF AND START TO REWORK. OTHERWISE YOU MAY BE KILLED BY AN ELECTRIC SHOCK.

### 3-2. Outdoor Units

■ **Single-phase** U-100PEY1E5 / U-125PEY1E5



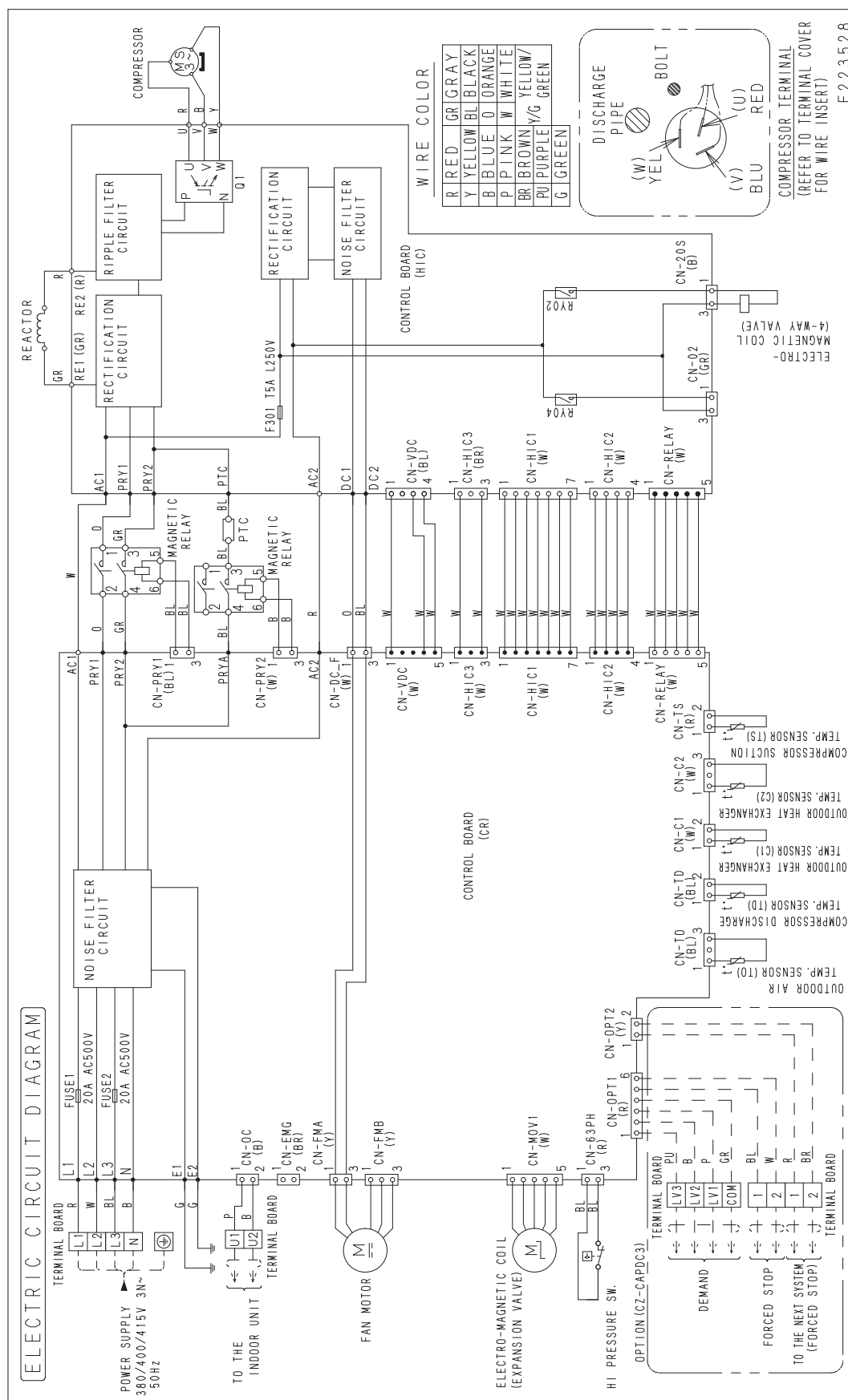
## 3

■ 3-phase U-71PE1E8A



### 3-2. Outdoor Units

■ 3-phase U-100PEY1E8 / U-125PEY1E8



## 3

■ 3-phase U-100PE1E8A / U-125PE1E8A / U-140PE1E8A / U-140PEY1E8

