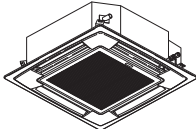
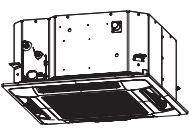
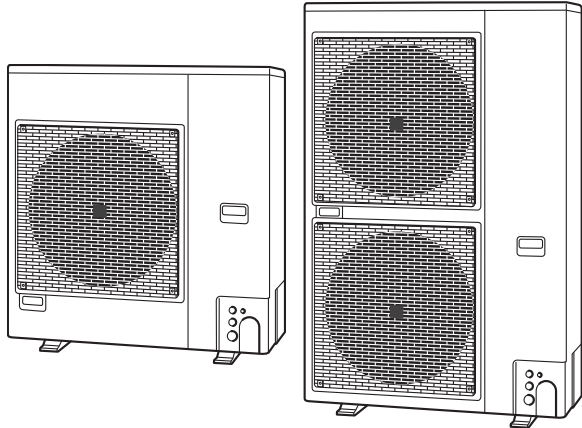
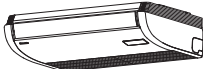
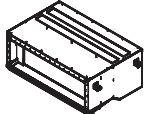


## TECHNICAL DATA & SERVICE MANUAL

# R410A

## INVERTER

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

### ■ 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)

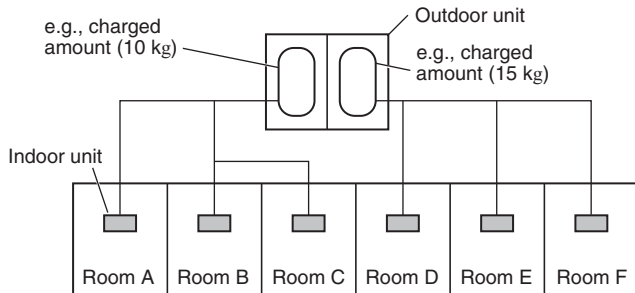
$$\text{Min. volume of the indoor unit installed room (m}^3\text{)} \leq \text{Density limit (kg/m}^3\text{)}$$

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.

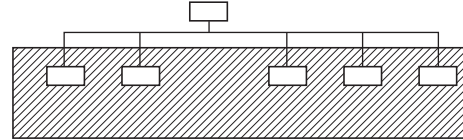


### WARNING

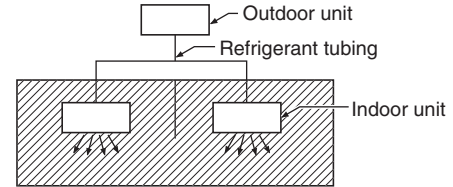
You are requested to use RoHS compliant for maintenance or repair.

- The standards for minimum room volume are as follows.

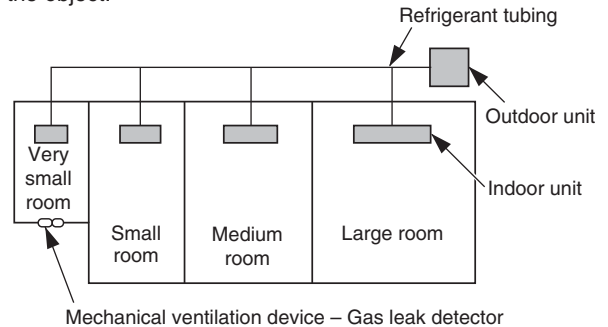
- (1) No partition (shaded portion)



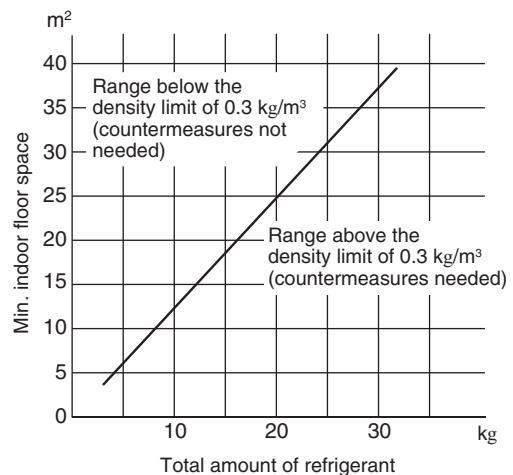
- (2) When there is an effective opening with the adjacent room for ventilation of leaking refrigerant gas (opening without a door, or an opening 0.15% or larger than the respective floor spaces at the top or bottom of the door).



- (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 image shows a rectangular label with a black border. At the top left, there is a small icon of a document with a checkmark. To its right, the text reads: "This product contains fluorinated greenhouse gases covered by the Kyoto Protocol." Below this, on the left, is a large black box with "R410A" in white. To the right of "R410A" are three rows of input fields. The first row is labeled "① =" and has a box followed by "kg". The second row is labeled "② =" and has a box followed by "kg". The third row is labeled "① + ② =" and has a box followed by "kg". To the left of these rows is a diagram of a refrigerant charging port with two numbered circles: ① points to the top of the port and ② points to the bottom. Below the diagram, there are two numbers: 5 and 6. Number 5 is below the outdoor unit icon, and number 6 is below the refrigerant cylinder and manifold icon. To the right of the label, there are four numbers: 4, 1, 2, and 3, each with a line pointing to a specific part of the label: 4 points to the Kyoto Protocol text, 1 points to the first input field, 2 points to the second input field, and 3 points to the third input field.

\* 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 |
| <b>K1</b> |    | S-50PK1E5A x2<br>U-100PEY1E8 P160 | S-60PK1E5A x2<br>U-125PEY1E8 P161 | S-71PK1E5A x2<br>U-140PEY1E8 P162 | S-100PK1E5A<br>U-100PEY1E8 P163 |                                 |                                 |
| <b>F1</b> |    | S-50PF1E5A x2<br>U-100PEY1E8 P171 | S-60PF1E5A x2<br>U-125PEY1E8 P172 | S-71PF1E5A x2<br>U-140PEY1E8 P173 | S-100PF1E5A<br>U-100PEY1E8 P174 | S-125PF1E5A<br>U-125PEY1E8 P175 | S-140PF1E5A<br>U-140PEY1E8 P176 |
| <b>N1</b> |    | S-50PN1E5A x2<br>U-100PEY1E8 P184 | S-60PN1E5A x2<br>U-125PEY1E8 P185 | S-71PN1E5A x2<br>U-140PEY1E8 P186 | S-100PN1E5A<br>U-100PEY1E8 P187 | S-125PN1E5A<br>U-125PEY1E8 P188 | S-140PN1E5A<br>U-140PEY1E8 P189 |

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# 1. SPECIFICATIONS

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# Simultaneous (Twin) -Type

## 1-1. Unit Specifications

### PE1

#### 1. 4-Way Cassette Type S-36PU1E5A×2 / U-71PE1E5A

|                                       |                                   |                     |                                                |                |                                       |                                     |             |                                       |          |        |    |
|---------------------------------------|-----------------------------------|---------------------|------------------------------------------------|----------------|---------------------------------------|-------------------------------------|-------------|---------------------------------------|----------|--------|----|
| INDOOR                                |                                   |                     | MODEL                                          |                | S-36PU1E5A×2                          |                                     |             |                                       |          |        |    |
| PANEL                                 |                                   |                     | MODEL                                          |                | CZ-KPU21×2                            |                                     |             |                                       |          |        |    |
| OUTDOOR                               |                                   |                     | MODEL                                          |                |                                       |                                     |             | U-71PE1E5A                            |          |        |    |
| Branch pipe                           |                                   |                     | MODEL                                          |                |                                       |                                     |             | CZ-P155BK1                            |          |        |    |
| PERFORMANCE TEST CONDITION            |                                   |                     |                                                |                | ISO5151 / EN14511 / EN14825 / EN12102 |                                     |             |                                       |          |        |    |
| POWER SUPPLY                          |                                   |                     | ø, Hz                                          |                | 1ø 50Hz                               |                                     |             | 1ø 50Hz                               |          |        |    |
|                                       |                                   |                     | V                                              |                | 220                                   | 230                                 | 240         | 220                                   | 230      | 240    |    |
| C<br>O<br>O<br>L<br>I<br>N<br>G       | CAPACITY                          |                     | kW                                             |                | 7.1                                   | 7.1                                 | 7.1         |                                       |          |        |    |
|                                       |                                   |                     | BTU/h                                          |                | 24200                                 | 24200                               | 24200       |                                       |          |        |    |
|                                       | CURRENT                           |                     | A                                              |                | 0.19×2                                | 0.19×2                              | 0.18×2      | 8.40                                  | 8.10     | 7.90   |    |
|                                       |                                   |                     | W                                              |                | 20×2                                  | 20×2                                | 20×2        | 1.760k                                | 1.760k   | 1.760k |    |
|                                       | INPUT POWER                       |                     | TOTAL W                                        |                | -                                     |                                     |             | 1.800k                                | 1.800k   | 1.800k |    |
|                                       |                                   |                     | TOTAL kWh ※4                                   |                | -                                     |                                     |             | -                                     | 900      | -      |    |
|                                       | ANNUAL CONSUMPTION                |                     | TOTAL(W/W)※5("A"~"G")                          |                | -                                     | -                                   | -           | 3.94                                  | 3.94 / A | 3.94   |    |
|                                       | Erp<br>※6                         | Pdsign              | kW                                             | -              | -                                     | -                                   | -           | 7.1                                   | -        |        |    |
|                                       |                                   | SEER                | (W/W)                                          | -              | -                                     | -                                   | -           | 7.4                                   | -        |        |    |
|                                       |                                   | Annual consumption  | kWh                                            | -              | -                                     | -                                   | -           | 336                                   | -        |        |    |
| Class                                 |                                   |                     | -                                              | -              | -                                     | -                                   | A++         | -                                     |          |        |    |
| POWER FACTOR                          |                                   |                     | %                                              |                | -                                     | -                                   | -           | 95                                    | 94       | 93     |    |
| NOISE INDOOR<br>(H/M/L)               |                                   |                     | dB-A                                           |                | 30/28/27                              |                                     |             |                                       |          |        |    |
|                                       |                                   |                     | Power Level dB                                 |                | 47/45/44                              |                                     |             |                                       |          |        |    |
| 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                                             |                | 8.0                                   | 8.0                                 | 8.0         |                                       |          |        |    |
|                                       |                                   |                     | BTU/h                                          |                | 27300                                 | 27300                               | 27300       |                                       |          |        |    |
|                                       | CURRENT                           |                     | A                                              |                | 0.17×2                                | 0.17×2                              | 0.16×2      | 9.30                                  | 9.00     | 8.70   |    |
|                                       |                                   |                     | W                                              |                | 20×2                                  | 20×2                                | 20×2        | 1.960k                                | 1.960k   | 1.960k |    |
|                                       | INPUT POWER                       |                     | TOTAL W                                        |                | -                                     |                                     |             | 2.000k                                | 2.000k   | 2.000k |    |
|                                       |                                   |                     | TOTAL(W/W)※5("A"~"G")                          |                | -                                     | -                                   | -           | 4.00                                  | 4.00 / A | 4.00   |    |
|                                       | Erp<br>※6                         | Pdsign              | kW                                             | -              | -                                     | -                                   | -           | 7.1                                   | -        |        |    |
|                                       |                                   | Tbivalen            | °C                                             | -              | -                                     | -                                   | -           | -8                                    | -        |        |    |
|                                       |                                   | SCOP                | (W/W)                                          | -              | -                                     | -                                   | -           | 4.1                                   | -        |        |    |
|                                       |                                   | Annual consumption  | kWh                                            | -              | -                                     | -                                   | -           | 2424                                  | -        |        |    |
|                                       | POWER FACTOR                      |                     |                                                | %              |                                       | -                                   | -           | -                                     | 96       | 95     | 94 |
|                                       |                                   |                     |                                                | dB-A           |                                       | 30/28/27                            |             |                                       |          |        |    |
|                                       | NOISE INDOOR<br>(H/M/L)           |                     |                                                | Power Level dB |                                       | 47/45/44                            |             |                                       |          |        |    |
|                                       |                                   |                     |                                                | dB-A           |                                       | -                                   |             |                                       | 50/-     |        |    |
| NOISE OUTDOOR<br>(H/L)                |                                   |                     | Power Level dB                                 |                | -                                     |                                     |             | 67/-                                  |          |        |    |
|                                       |                                   |                     |                                                |                | EXTRA LOW TEMP                        |                                     |             | Total CAPACITY(kW)/INPUT POWER(W)/COP |          |        |    |
| MAX CURRENT(A)/MAX INPUT POWER(W)     |                                   |                     | 0.19×2/20×2                                    | 0.19×2/20×2    | 0.18×2/20×2                           | 18.0/3.800k                         | 18.0/3.930k | 18.0/4.060k                           | /        |        |    |
| STARTING CURRENT(A)/COMP OUTPUT(W)    |                                   |                     | -                                              | -              | -                                     | 9.30/2.0k                           | 9.00/2.0k   | 8.70/2.0k                             | /        |        |    |
| NETWORK IMPEDANCE (ΩMAX.)             |                                   |                     |                                                |                |                                       |                                     |             |                                       |          |        |    |
| FM OUTPUT (W)                         |                                   |                     | 60×2                                           |                |                                       | 90                                  |             |                                       | /        |        |    |
| MOISTURE REMOVAL VOLUME               |                                   |                     | L/h(Pt/h)                                      | 4.2            | (2.1×2)                               | (8.8)                               | -           |                                       |          |        |    |
| External static pressure              |                                   |                     | Pa                                             | -              |                                       |                                     |             |                                       |          |        |    |
| I/D AIR FLOW                          | COOL                              | m³/min (ft³/min)    | [14/13/12 (494/459/424)]×2                     |                |                                       |                                     |             |                                       |          |        |    |
|                                       | HEAT                              | m³/min (ft³/min)    | [14/13/12 (494/459/424)]×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>I<br>O<br>R<br>I<br>T<br>Y  | D                                 | HEIGHT : H mm(inch) | 256 (10-3/32)                                  |                |                                       | 996 (39-7/32)                       |             |                                       | /        |        |    |
|                                       | I                                 | WIDTH : W mm(inch)  | 840 (33-3/32)                                  |                |                                       | 940 (37-1/32)                       |             |                                       | /        |        |    |
|                                       | M                                 | DEPTH : D mm(inch)  | 840 (33-3/32)                                  |                |                                       | 340 (13-13/32)                      |             |                                       | /        |        |    |
| P<br>A<br>C<br>K<br>I<br>N<br>G       | D                                 | HEIGHT : H mm       | 298                                            |                |                                       | 1136                                |             |                                       | /        |        |    |
|                                       | I                                 | WIDTH : W mm        | 929                                            |                |                                       | 1055                                |             |                                       | /        |        |    |
|                                       | M                                 | DEPTH : D mm        | 929                                            |                |                                       | 485                                 |             |                                       | /        |        |    |
| MASS                                  |                                   | (NET) kg(lb)        | 23 (51)                                        |                |                                       | 69 (152)                            |             |                                       | /        |        |    |
|                                       |                                   | (GROSS) kg(lb)      | 29 (64)                                        |                |                                       | 77 (170)                            |             |                                       | /        |        |    |
| LAYERS LIMIT (actually)               |                                   |                     | 11 (12)                                        |                |                                       | 2 (3)                               |             |                                       |          |        |    |
| 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)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

#### 1. 4-Way Cassette Type S-36PU1E5A×3 / U-100PE1E5A

|                                       |                                       |                     |                                                |             |             |                                     |             |             |          |        |      |      |
|---------------------------------------|---------------------------------------|---------------------|------------------------------------------------|-------------|-------------|-------------------------------------|-------------|-------------|----------|--------|------|------|
| INDOOR                                |                                       | MODEL               | S-36PU1E5A×3                                   |             |             |                                     |             |             |          |        |      |      |
| PANEL                                 |                                       | MODEL               | CZ-KPU21×3                                     |             |             | -                                   |             |             |          |        |      |      |
| OUTDOOR                               |                                       | MODEL               |                                                |             |             | U-100PE1E5A                         |             |             |          |        |      |      |
| Branch pipe                           |                                       | MODEL               | CZ-P3HPC2                                      |             |             |                                     |             |             |          |        |      |      |
| PERFORMANCE TEST CONDITION            |                                       |                     | ISO5151 / 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                   | 0.19×3                                         | 0.19×3      | 0.18×3      | 10.9                                | 10.5        | 10.1        | -        | -      |      |      |
|                                       | INPUT POWER                           | W                   | 20×3                                           | 20×3        | 20×3        | 2.320k                              | 2.320k      | 2.320k      | -        | -      |      |      |
|                                       |                                       | TOTAL W             | -                                              |             |             | 2.380k                              | 2.380k      | 2.380k      | 840      | 3.700k |      |      |
|                                       | ANNUAL CONSUMPTION                    |                     | TOTAL kWh ※4                                   |             | -           |                                     | -           | 1190        | -        | -      |      |      |
|                                       | EER/EER CLASS                         |                     | TOTAL(W/W) ※5/(“A”~“G”)                        |             | -           | -                                   | -           | 4.20        | 4.20 / A | 4.20   | 3.93 | 3.38 |
|                                       | Erp<br>※6                             | Pdsign              | kW                                             | -           | -           | -                                   | -           | 10.0        | -        |        |      |      |
|                                       |                                       | SEER                | (W/W)                                          | -           | -           | -                                   | -           | 6.6         | -        |        |      |      |
|                                       |                                       | Annual consumption  | kWh                                            | -           | -           | -                                   | -           | 530         | -        |        |      |      |
| Class                                 |                                       | -                   | -                                              | -           | -           | -                                   | A++         | -           |          |        |      |      |
| POWER FACTOR                          |                                       | %                   | -                                              | -           | -           | 97                                  | 96          | 96          | -        | -      |      |      |
| NOISE INDOOR<br>(H/M/L)               | dB-A                                  | 30/28/27            |                                                |             |             |                                     |             |             |          |        |      |      |
|                                       | Power Level dB                        | 47/45/44            |                                                |             |             |                                     |             |             |          |        |      |      |
| 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                   | 0.17×3                                         | 0.17×3      | 0.16×3      | 11.9                                | 11.5        | 11.1        | -        | -      |      |      |
|                                       | INPUT POWER                           | W                   | 20×3                                           | 20×3        | 20×3        | 2.540k                              | 2.540k      | 2.540k      | -        | -      |      |      |
|                                       |                                       | 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)                                          | -           | -           | -                                   | -           | 4.2         | -        |        |      |      |
|                                       |                                       | Annual consumption  | kWh                                            | -           | -           | -                                   | -           | 3333        | -        |        |      |      |
|                                       | POWER FACTOR                          | Class               | -                                              | -           | -           | -                                   | A+          | -           |          |        |      |      |
|                                       |                                       | %                   | -                                              | -           | -           | 97                                  | 96          | 95          |          |        |      |      |
|                                       | NOISE INDOOR<br>(H/M/L)               | dB-A                | 30/28/27                                       |             |             |                                     |             |             | -        | /      | /    |      |
|                                       |                                       | Power Level dB      | 47/45/44                                       |             |             |                                     |             |             | -        |        |      |      |
|                                       | 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)     |                                       |                     | 0.19×3/20×3                                    | 0.19×3/20×3 | 0.18×3/20×3 | 25.0/5.350k                         | 25.0/5.550k | 25.0/5.750k | /        |        |      |      |
| STARTING CURRENT(A)/COMP OUTPUT(W)    |                                       |                     | -                                              | -           | -           | 11.9/3.0k                           | 11.5/3.0k   | 11.1/3.0k   | /        |        |      |      |
| NETWORK IMPEDANCE (ΩMAX.)             |                                       |                     | -                                              |             |             | -                                   |             |             |          |        |      |      |
| FM OUTPUT (W)                         |                                       |                     | 60×3                                           |             |             | 90×2                                |             |             | /        |        |      |      |
| MOISTURE REMOVAL VOLUME               |                                       | L/h(Pt/h)           | 6.0                                            | (2.0×3)     | (12.6)      | -                                   |             |             |          |        |      |      |
| External static pressure              |                                       | Pa                  | -                                              |             |             |                                     |             |             |          |        |      |      |
| I/D AIR FLOW                          | COOL                                  | m³/min (ft³/min)    | [14/13/12 (494/459/424)]×3                     |             |             |                                     |             |             |          |        |      |      |
|                                       | HEAT                                  | m³/min (ft³/min)    | [14/13/12 (494/459/424)]×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) | 256 (10-3/32)                                  |             |             | 1416 (55-3/4)                       |             |             | /        |        |      |      |
|                                       | I                                     | WIDTH : W mm(inch)  | 840 (33-3/32)                                  |             |             | 940 (37-1/32)                       |             |             | /        |        |      |      |
|                                       | M                                     | DEPTH : D mm(inch)  | 840 (33-3/32)                                  |             |             | 340 (13-13/32)                      |             |             | /        |        |      |      |
| P<br>A<br>C<br>M                      | D                                     | HEIGHT : H mm       | 298                                            |             |             | 1556                                |             |             | /        |        |      |      |
|                                       | I                                     | WIDTH : W mm        | 929                                            |             |             | 1055                                |             |             | /        |        |      |      |
|                                       | M                                     | DEPTH : D mm        | 929                                            |             |             | 485                                 |             |             | /        |        |      |      |
| MASS                                  |                                       | (NET) kg(lb)        | 23 (51)                                        |             |             | 98 (216)                            |             |             | /        |        |      |      |
|                                       |                                       | (GROSS) kg(lb)      | 29 (64)                                        |             |             | 108 (238)                           |             |             | /        |        |      |      |
| LAYERS LIMIT (actually)               |                                       |                     | 11 (12)                                        |             |             | 1 (2)                               |             |             |          |        |      |      |
| 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>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

#### 1. 4-Way Cassette Type S-36PU1E5A×4 / U-125PE1E5A

|                                       |                                   |                       |                                                |                            |                                       |                                     |                |              |             |             |       |        |
|---------------------------------------|-----------------------------------|-----------------------|------------------------------------------------|----------------------------|---------------------------------------|-------------------------------------|----------------|--------------|-------------|-------------|-------|--------|
| INDOOR                                |                                   |                       | MODEL                                          |                            | S-36PU1E5A×4                          |                                     |                |              |             |             |       |        |
| PANEL                                 |                                   |                       | MODEL                                          |                            | CZ-KPU21×4                            |                                     |                |              |             |             |       |        |
| OUTDOOR                               |                                   |                       | MODEL                                          |                            |                                       |                                     |                | U-125PE1E5A  |             |             |       |        |
| Branch pipe                           |                                   |                       | MODEL                                          |                            |                                       |                                     |                | CZ-P155BK1×3 |             |             |       |        |
| PERFORMANCE TEST CONDITION            |                                   |                       |                                                |                            | ISO5151 / 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                                              |                            | 0.19×4                                | 0.19×4                              | 0.18×4         | 15.9         | 15.4        | 14.9        | -     | -      |
|                                       | INPUT POWER                       |                       | W                                              |                            | 20×4                                  | 20×4                                | 20×4           | 3.390k       | 3.390k      | 3.390k      | -     | -      |
|                                       |                                   |                       | TOTAL W                                        |                            | -                                     |                                     |                | 3.470k       | 3.470k      | 3.470k      | 840   | 4.600k |
|                                       | ANNUAL CONSUMPTION                |                       | TOTAL kWh ※4                                   |                            | -                                     |                                     |                | -            | 1735        | -           | -     | -      |
|                                       | EER/EER CLASS                     |                       | TOTAL(W/W)※5("A"~"G")                          |                            | -                                     | -                                   | -              | 3.60         | 3.60 / A    | 3.60        | 3.93  | 3.04   |
|                                       | Erp<br>※6                         | Pdsign                | kW                                             |                            | -                                     | -                                   | -              | -            | -           | -           |       |        |
|                                       |                                   | SEER                  | (W/W)                                          |                            | -                                     | -                                   | -              | -            | -           | -           |       |        |
|                                       |                                   | Annual consumption    | kWh                                            |                            | -                                     | -                                   | -              | -            | -           | -           |       |        |
| H<br>E<br>A<br>T<br>I<br>N<br>G       | POWER FACTOR                      | %                     |                                                | -                          | -                                     | -                                   | 97             | 96           | 95          | -           | -     |        |
|                                       |                                   | dB-A                  |                                                | 30/28/27                   |                                       |                                     |                |              |             |             |       |        |
|                                       |                                   | Power Level dB        |                                                | 47/45/44                   |                                       |                                     |                |              |             |             |       |        |
|                                       | NOISE INDOOR<br>(H/M/L)           | dB-A                  |                                                |                            |                                       |                                     | 53/-           |              |             |             |       |        |
|                                       |                                   | Power Level dB        |                                                |                            |                                       |                                     | 70/-           |              |             |             |       |        |
|                                       |                                   |                       |                                                |                            |                                       |                                     |                |              |             |             |       |        |
|                                       | CAPACITY                          | kW                    |                                                | 14.0                       | 14.0                                  | 14.0                                |                |              |             | 4.1         | 16.0  |        |
|                                       |                                   | BTU/h                 |                                                | 47800                      | 47800                                 | 47800                               |                |              |             | 14000       | 54600 |        |
|                                       |                                   | CURRENT               |                                                | A                          |                                       | 0.17×4                              | 0.17×4         | 0.16×4       | 16.0        | 15.5        | 15.0  | -      |
|                                       | INPUT POWER                       | W                     |                                                | 20×4                       | 20×4                                  | 20×4                                | 3.420k         | 3.420k       | 3.420k      | -           | -     |        |
| TOTAL W                               |                                   | -                     |                                                |                            | 3.500k                                | 3.500k                              | 3.500k         | 900          | 5.200k      |             |       |        |
| COP/COP CLASS                         |                                   | TOTAL(W/W)※5("A"~"G") |                                                | -                          | -                                     | -                                   | 4.00           | 4.00 / A     | 4.00        | 4.56        | 3.08  |        |
| Erp<br>※6                             | Pdsign                            | kW                    |                                                | -                          | -                                     | -                                   | -              | -            | -           | -           | -     |        |
|                                       | Tbivalen                          | °C                    |                                                | -                          | -                                     | -                                   | -              | -            | -           |             |       |        |
|                                       | SCOP                              | (W/W)                 |                                                | -                          | -                                     | -                                   | -              | -            | -           |             |       |        |
| POWER FACTOR                          | Annual consumption                |                       | kWh                                            |                            | -                                     | -                                   | -              | -            | -           | -           | -     |        |
|                                       | Class                             |                       |                                                |                            | -                                     | -                                   | -              | -            | -           | -           | -     |        |
|                                       |                                   |                       |                                                |                            | -                                     | -                                   | -              | -            | -           | -           | -     |        |
| NOISE INDOOR<br>(H/M/L)               | %                                 |                       | -                                              | -                          | -                                     | 97                                  | 96             | 95           | -           | -           |       |        |
|                                       | dB-A                              |                       | 30/28/27                                       |                            |                                       |                                     |                |              | /           | /           |       |        |
|                                       | Power Level dB                    |                       | 47/45/44                                       |                            |                                       |                                     |                |              |             |             |       |        |
| 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)     |                                   |                       |                                                |                            | 0.19×4/20×4                           | 0.19×4/20×4                         | 0.18×4/20×4    | 28.0/6.000k  | 28.0/6.200k | 28.0/6.400k | /     |        |
| STARTING CURRENT(A)/COMP OUTPUT(W)    |                                   |                       |                                                |                            | -                                     | -                                   | -              | 16.0/3.0k    | 15.5/3.0k   | 15.0/3.0k   | /     |        |
| NETWORK IMPEDANCE (ΩMAX.)             |                                   |                       |                                                |                            |                                       |                                     |                |              |             |             |       |        |
| FM OUTPUT (W)                         |                                   |                       |                                                |                            | 60×4                                  |                                     |                | 90×2         |             |             | /     |        |
| MOISTURE REMOVAL VOLUME               |                                   |                       |                                                |                            | L/h(Pt/h)                             |                                     | 7.9            | (1.98×4)     | (16.6)      |             |       |        |
| External static pressure              |                                   |                       |                                                |                            | Pa                                    |                                     | -              |              |             |             |       |        |
| I/D AIR FLOW                          | COOL                              | m³/min (ft³/min)      |                                                | [14/13/12 (494/459/424)]×4 |                                       |                                     |                |              |             |             |       |        |
|                                       | HEAT                              | m³/min (ft³/min)      |                                                | [14/13/12 (494/459/424)]×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)   |                                                | 256 (10-3/32)              |                                       |                                     | 1416 (55-3/4)  |              |             | /           |       |        |
| R                                     | I                                 | WIDTH : W mm(inch)    |                                                | 840 (33-3/32)              |                                       |                                     | 940 (37-1/32)  |              |             | /           |       |        |
| O                                     | M                                 | DEPTH : D mm(inch)    |                                                | 840 (33-3/32)              |                                       |                                     | 340 (13-13/32) |              |             | /           |       |        |
| P                                     | D                                 | HEIGHT : H mm         |                                                | 298                        |                                       |                                     | 1556           |              |             | /           |       |        |
| A                                     | I                                 | WIDTH : W mm          |                                                | 929                        |                                       |                                     | 1055           |              |             | /           |       |        |
| C                                     | M                                 | DEPTH : D mm          |                                                | 929                        |                                       |                                     | 485            |              |             | /           |       |        |
| MASS                                  | (NET) kg(lb)                      |                       | 23 (51)                                        |                            |                                       | 98 (216)                            |                |              | /           |             |       |        |
|                                       | (GROSS) kg(lb)                    |                       | 29 (64)                                        |                            |                                       | 108 (238)                           |                |              | /           |             |       |        |
| LAYERS LIMIT (actually)               |                                   |                       |                                                |                            | 11 (12)                               |                                     |                | 1 (2)        |             |             |       |        |
| 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>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

#### 1. 4-Way Cassette Type S-45PU1E5A×3 / U-125PE1E5A

|                                       |                                       |                     |                            |                                                |             |                |                                     |             |             |       |        |      |
|---------------------------------------|---------------------------------------|---------------------|----------------------------|------------------------------------------------|-------------|----------------|-------------------------------------|-------------|-------------|-------|--------|------|
| INDOOR                                |                                       |                     | MODEL                      | S-45PU1E5A×3                                   |             |                |                                     |             |             |       |        |      |
| PANEL                                 |                                       |                     | MODEL                      | CZ-KPU21×3                                     |             |                |                                     |             |             |       |        |      |
| OUTDOOR                               |                                       |                     | MODEL                      |                                                |             |                | U-125PE1E5A                         |             |             |       |        |      |
| Branch pipe                           |                                       |                     | MODEL                      |                                                |             |                | CZ-P3HPC2                           |             |             |       |        |      |
| PERFORMANCE TEST CONDITION            |                                       |                     |                            | ISO5151 / 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                          | 0.19×3                                         | 0.19×3      | 0.19×3         | 15.9                                | 15.4        | 14.9        | -     | -      |      |
|                                       |                                       |                     | W                          | 20×3                                           | 20×3        | 20×3           | 3.410k                              | 3.410k      | 3.410k      | -     | -      |      |
|                                       | INPUT POWER                           |                     | TOTAL W                    | -                                              |             |                | 3.470k                              | 3.470k      | 3.470k      | 840   | 4.600k |      |
|                                       |                                       |                     | ANNUAL CONSUMPTION         | TOTAL kWh ※4                                   | -           |                |                                     | -           | 1735        | -     | -      | -    |
|                                       | EER/EER CLASS                         |                     | TOTAL(W/W) ※5/(“A”~“G”)    | -                                              | -           | -              | 3.60                                | 3.60 / A    | 3.60        | 3.93  | 3.04   |      |
|                                       |                                       |                     | Pdsign                     | kW                                             | -           | -              | -                                   | -           | -           | -     | -      | -    |
|                                       | Erp<br>※6                             | SEER                |                            | (W/W)                                          | -           | -              | -                                   | -           | -           | -     | -      | -    |
|                                       |                                       |                     |                            | Annual consumption                             | kWh         | -              | -                                   | -           | -           | -     | -      | -    |
| Class                                 |                                       | -                   | -                          | -                                              | -           | -              | -                                   | -           | -           | -     |        |      |
|                                       |                                       | POWER FACTOR        | %                          | -                                              | -           | -              | 97                                  | 96          | 95          | -     | -      |      |
| NOISE INDOOR (H/M/L)                  |                                       | dB-A                | 31/28/27                   |                                                |             |                |                                     |             |             |       |        |      |
|                                       |                                       | Power Level dB      | 48/45/44                   |                                                |             |                |                                     |             |             |       |        |      |
| 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                          | 0.17×3                                         | 0.17×3      | 0.17×3         | 16.1                                | 15.5        | 15.1        | -     | -      |      |
|                                       |                                       |                     | W                          | 20×3                                           | 20×3        | 20×3           | 3.440k                              | 3.440k      | 3.440k      | -     | -      |      |
|                                       | INPUT POWER                           |                     | TOTAL W                    | -                                              |             |                | 3.500k                              | 3.500k      | 3.500k      | 900   | 5.200k |      |
|                                       |                                       |                     | COP/COP CLASS              | TOTAL(W/W) ※5/(“A”~“G”)                        | -           | -              | -                                   | 4.00        | 4.00 / A    | 4.00  | 4.56   | 3.08 |
|                                       | Erp<br>※6                             | Pdsign              |                            | kW                                             | -           | -              | -                                   | -           | -           | -     | -      | -    |
|                                       |                                       |                     |                            | Tbivalen                                       | °C          | -              | -                                   | -           | -           | -     | -      | -    |
|                                       |                                       | SCOP                |                            | (W/W)                                          | -           | -              | -                                   | -           | -           | -     | -      | -    |
|                                       |                                       |                     |                            | Annual consumption                             | kWh         | -              | -                                   | -           | -           | -     | -      | -    |
|                                       |                                       | Class               |                            | -                                              | -           | -              | -                                   | -           | -           | -     | -      | -    |
|                                       |                                       |                     |                            | POWER FACTOR                                   | %           | -              | -                                   | -           | 97          | 96    | 95     | -    |
|                                       | NOISE INDOOR (H/M/L)                  |                     | dB-A                       | 31/28/27                                       |             |                |                                     |             |             | /     | /      |      |
|                                       |                                       |                     | Power Level dB             | 48/45/44                                       |             |                |                                     |             |             | /     | /      |      |
|                                       | 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)     |                                       |                     |                            | 0.19×3/20×3                                    | 0.19×3/20×3 | 0.18×3/20×3    | 28.0/6.000k                         | 28.0/6.200k | 28.0/6.400k | /     |        |      |
| STARTING CURRENT(A)/COMP OUTPUT(W)    |                                       |                     |                            | -                                              | -           | -              | 16.2/3.0k                           | 15.7/3.0k   | 15.2/3.0k   | /     |        |      |
| NETWORK IMPEDANCE (ΩMAX.)             |                                       |                     |                            | -                                              |             |                | -                                   |             |             | /     |        |      |
| FM OUTPUT (W)                         |                                       |                     |                            | 60×3                                           |             |                | 90×2                                |             |             | /     |        |      |
| MOISTURE REMOVAL VOLUME               |                                       |                     | L/h(Pt/h)                  | 7.9                                            | (2.63×3)    | (16.6)         | -                                   |             |             | /     |        |      |
| External static pressure              |                                       |                     | Pa                         | -                                              |             |                | -                                   |             |             | /     |        |      |
| I/D AIR FLOW                          | COOL                                  | m³/min (ft³/min)    | [15/13/12 (530/459/424)]×3 |                                                |             |                |                                     |             |             |       |        |      |
|                                       | HEAT                                  | m³/min (ft³/min)    | [15/13/12 (530/459/424)]×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                                     | HEIGHT : H mm(inch) | 256 (10-3/32)              |                                                |             | 1416 (55-3/4)  |                                     |             | /           |       |        |      |
|                                       | I                                     | WIDTH : W mm(inch)  | 840 (33-3/32)              |                                                |             | 940 (37-1/32)  |                                     |             | /           |       |        |      |
|                                       | M                                     | DEPTH : D mm(inch)  | 840 (33-3/32)              |                                                |             | 340 (13-13/32) |                                     |             | /           |       |        |      |
| P<br>A<br>C<br>M                      | D                                     | HEIGHT : H mm       | 298                        |                                                |             | 1556           |                                     |             | /           |       |        |      |
|                                       | I                                     | WIDTH : W mm        | 929                        |                                                |             | 1055           |                                     |             | /           |       |        |      |
|                                       | M                                     | DEPTH : D mm        | 929                        |                                                |             | 485            |                                     |             | /           |       |        |      |
| MASS                                  | (NET) kg(lb)                          |                     | 23 (51)                    |                                                |             | 98 (216)       |                                     |             | /           |       |        |      |
|                                       | (GROSS) kg(lb)                        |                     | 29 (64)                    |                                                |             | 108 (238)      |                                     |             | /           |       |        |      |
| LAYERS LIMIT (actually)               |                                       |                     |                            | 11 (12)                                        |             |                | 1 (2)                               |             |             |       |        |      |
| 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>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

#### 1. 4-Way Cassette Type S-50PU1E5A / U-50PE1E5

|                                       |                                   |                     |                                       |                          |                                                |          |          |                                    |           |            |           |        |   |
|---------------------------------------|-----------------------------------|---------------------|---------------------------------------|--------------------------|------------------------------------------------|----------|----------|------------------------------------|-----------|------------|-----------|--------|---|
| INDOOR                                |                                   |                     | MODEL                                 |                          | S-50PU1E5A                                     |          |          |                                    |           |            |           |        |   |
| PANEL                                 |                                   |                     | MODEL                                 |                          | CZ-KPU21                                       |          |          |                                    |           |            |           |        |   |
| OUTDOOR                               |                                   |                     | MODEL                                 |                          |                                                |          |          | U-50PE1E5                          |           |            |           |        |   |
| Branch pipe                           |                                   |                     | MODEL                                 |                          |                                                |          |          | -                                  |           |            |           |        |   |
| PERFORMANCE TEST CONDITION            |                                   |                     |                                       |                          | ISO5151 / 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                                     |                          | 0.22                                           | 0.22     | 0.21     | 6.50                               | 6.20      | 5.95       | -         | -      |   |
|                                       | INPUT POWER                       |                     | W                                     |                          | 25                                             | 25       | 25       | 1.325k                             | 1.325k    | 1.325k     | -         | -      |   |
|                                       |                                   |                     | 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)                                 |                          | -                                              | -        | -        | -                                  | 6.5       | -          |           |        |   |
|                                       |                                   | Annual consumption  | kWh                                   |                          | -                                              | -        | -        | -                                  | 269       | -          |           |        |   |
| Class                                 |                                   |                     |                                       | -                        | -                                              | -        | -        | A++                                | -         |            |           |        |   |
| POWER FACTOR                          |                                   |                     | %                                     |                          | -                                              | -        | -        | 93                                 | 93        | 93         | -         | -      |   |
| NOISE INDOOR                          |                                   |                     | dB-A (H/M/L)                          |                          | 32/29/27                                       |          |          |                                    |           |            |           |        |   |
|                                       |                                   |                     | Power Level dB                        |                          | 49/46/44                                       |          |          |                                    |           |            |           |        |   |
| 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                                     |                          | 0.20                                           | 0.20     | 0.19     | 6.90                               | 6.60      | 6.30       | -         | -      |   |
|                                       | INPUT POWER                       |                     | W                                     |                          | 25                                             | 25       | 25       | 1.405k                             | 1.405k    | 1.405k     | -         | -      |   |
|                                       |                                   |                     | TOTAL W                               |                          | -                                              |          |          | 1.430k                             | 1.430k    | 1.430k     | 220       | 2.300k |   |
|                                       | COP/COP CLASS                     |                     | TOTAL(W/W)※5("A"~"G")                 |                          | -                                              | -        | -        | 3.92                               | 3.92 / A  | 3.92       | 6.82      | 2.83   |   |
|                                       | 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)             |                                                | 32/29/27 |          |                                    |           |            |           | /      | / |
|                                       |                                   |                     |                                       | Power Level dB           |                                                | 49/46/44 |          |                                    |           |            |           |        |   |
|                                       | 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)     |                                   |                     | 0.22/25                               |                          | 0.22/25                                        |          | 0.21/25  |                                    | 12/2.46k  | 12/2.57k   | 12/2.68k  | /      |   |
| STARTING CURRENT(A)/COMP OUTPUT(W)    |                                   |                     | -                                     |                          | -                                              |          | -        |                                    | 6.90/1.4k | 6.60/1.4k  | 6.30/1.4k | /      |   |
| NETWORK IMPEDANCE (ΩMAX.)             |                                   |                     |                                       |                          |                                                |          | -        |                                    |           |            |           |        |   |
| FM OUTPUT (W)                         |                                   |                     | 60                                    |                          |                                                |          |          |                                    |           | 90         | /         |        |   |
| MOISTURE REMOVAL VOLUME               |                                   |                     | L/h(Pt/h)                             |                          | 2.8                                            |          | (5.9)    |                                    | -         |            |           |        |   |
| External static pressure              |                                   |                     | Pa                                    |                          | -                                              |          |          |                                    |           |            |           |        |   |
| I/D AIR FLOW                          | COOL                              | m³/min (ft³/min)    |                                       | 16/13.5/12 (565/477/424) |                                                |          |          |                                    |           |            |           |        |   |
|                                       | HEAT                              | m³/min (ft³/min)    |                                       | 16/13.5/12 (565/477/424) |                                                |          |          |                                    |           |            |           |        |   |
| O/D AIR FLOW                          | COOL                              | m³/min (ft³/min)    |                                       |                          |                                                |          |          | 30                                 | (1067)    |            |           |        |   |
|                                       | HEAT                              | m³/min (ft³/min)    |                                       |                          |                                                |          |          | 35                                 | (1225)    |            |           |        |   |
| REFRIGERANT TYPE, AMOUNT g(oz)        |                                   |                     |                                       |                          |                                                |          |          | R410A                              | 1.65k     | (58.2)     | /         |        |   |
| P<br>R<br>O<br>M                      | D                                 | HEIGHT : H mm(inch) |                                       | 256 (10-3/32)            |                                                |          |          | 569                                |           | (22-13/32) |           | /      |   |
|                                       | I                                 | WIDTH : W mm(inch)  |                                       | 840 (33-3/32)            |                                                |          |          | 790                                |           | (31-7/64)  |           | /      |   |
|                                       | M                                 | DEPTH : D mm(inch)  |                                       | 840 (33-3/32)            |                                                |          |          | 285                                |           | (11-7/32)  |           | /      |   |
| P<br>A<br>C<br>M                      | D                                 | HEIGHT : H mm       |                                       | 298                      |                                                |          |          | 645                                |           |            |           | /      |   |
|                                       | I                                 | WIDTH : W mm        |                                       | 929                      |                                                |          |          | 921                                |           |            |           | /      |   |
|                                       | M                                 | DEPTH : D mm        |                                       | 929                      |                                                |          |          | 386                                |           |            |           | /      |   |
| MASS                                  | (NET) kg(lb)                      |                     | 23 (51)                               |                          |                                                |          | 42 (93)  |                                    |           |            | /         |        |   |
|                                       | (GROSS) kg(lb)                    |                     | 29 (64)                               |                          |                                                |          | 46 (101) |                                    |           |            | /         |        |   |
| LAYERS LIMIT (actually)               |                                   |                     |                                       | 11 (12)                  |                                                |          |          | 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)ø9.52(3/8) (Gas)ø15.88(5/8)            |          |          | (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

#### 1. 4-Way Cassette Type S-50PU1E5A×2 / U-100PE1E5A

|                                    |                                       |                     |                                                |                    |                                       |                                     |                |              |          |        |          |        |      |      |   |
|------------------------------------|---------------------------------------|---------------------|------------------------------------------------|--------------------|---------------------------------------|-------------------------------------|----------------|--------------|----------|--------|----------|--------|------|------|---|
| INDOOR                             |                                       |                     | MODEL                                          |                    | S-50PU1E5A×2                          |                                     |                |              |          |        |          |        |      |      |   |
| PANEL                              |                                       |                     | MODEL                                          |                    | CZ-KPU21×2                            |                                     |                | -            |          |        |          |        |      |      |   |
| OUTDOOR                            |                                       |                     | MODEL                                          |                    |                                       |                                     |                | U-100PE1E5A  |          |        |          |        |      |      |   |
| Branch pipe                        |                                       |                     | MODEL                                          |                    |                                       |                                     |                | CZ-P155BK1   |          |        |          |        |      |      |   |
| PERFORMANCE TEST CONDITION         |                                       |                     |                                                |                    | ISO5151 / 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                                              |                    | 0.22×2                                | 0.22×2                              | 0.21×2         | 10.9         | 10.5     | 10.1   | -        | -      |      |      |   |
|                                    |                                       |                     | W                                              |                    | 25×2                                  | 25×2                                | 25×2           | 2.330k       | 2.330k   | 2.330k | -        | -      |      |      |   |
|                                    | INPUT POWER                           |                     | TOTAL W                                        |                    | -                                     |                                     |                | 2.380k       | 2.380k   | 2.380k | 840      | 3.700k |      |      |   |
|                                    |                                       |                     | ANNUAL CONSUMPTION                             |                    | TOTAL kWh ※4                          |                                     | -              |              |          | -      | 1190     | -      | -    | -    |   |
|                                    | EER/EER CLASS                         |                     | TOTAL(W/W) ※5/(“A”~“G”)                        |                    | -                                     | -                                   | -              | 4.20         | 4.20 / A | 4.20   | 3.93     | 3.38   |      |      |   |
|                                    |                                       |                     | Pdsign                                         |                    | kW                                    |                                     | -              | -            | -        | 10.0   | -        | -      | -    |      |   |
|                                    | Erp<br>※6                             | SEER                |                                                | (W/W)              |                                       | -                                   | -              | -            | -        | 6.6    | -        | -      | -    |      |   |
|                                    |                                       |                     |                                                | Annual consumption |                                       | kWh                                 |                | -            | -        | -      | 530      | -      | -    | -    |   |
| Class                              |                                       | -                   |                                                | -                  | -                                     | -                                   | -              | A++          | -        | -      | -        |        |      |      |   |
|                                    |                                       | POWER FACTOR        |                                                | %                  |                                       | -                                   | -              | -            | 97       | 96     | 96       | -      | -    |      |   |
| NOISE INDOOR<br>(H/M/L)            |                                       | dB-A                |                                                | 32/29/27           |                                       |                                     |                |              |          |        |          |        |      |      |   |
|                                    |                                       | Power Level dB      |                                                | 49/46/44           |                                       |                                     |                |              |          |        |          |        |      |      |   |
| 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                                              |                    | 0.20×2                                | 0.20×2                              | 0.19×2         | 11.9         | 11.5     | 11.1   | -        | -      |      |      |   |
|                                    |                                       |                     | W                                              |                    | 25×2                                  | 25×2                                | 25×2           | 2.550k       | 2.550k   | 2.550k | -        | -      |      |      |   |
|                                    | 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 | 3.18 |   |
|                                    | Erp<br>※6                             | Pdsign              |                                                | kW                 |                                       | -                                   | -              | -            | -        | 10.0   | -        | -      | -    |      |   |
|                                    |                                       |                     |                                                | Tbivalen           |                                       | °C                                  |                | -            | -        | -      | -        | -10    | -    | -    |   |
|                                    |                                       | SCOP                |                                                | (W/W)              |                                       | -                                   | -              | -            | -        | 4.2    | -        | -      | -    |      |   |
|                                    |                                       |                     |                                                | Annual consumption |                                       | kWh                                 |                | -            | -        | -      | -        | 3333   | -    | -    |   |
|                                    | Class                                 |                     | -                                              |                    | -                                     | -                                   | -              | -            | A+       | -      | -        | -      | -    |      |   |
|                                    |                                       |                     | POWER FACTOR                                   |                    | %                                     |                                     | -              | -            | -        | 97     | 96       | 96     | -    | -    |   |
|                                    | NOISE INDOOR<br>(H/M/L)               |                     | dB-A                                           |                    | 32/29/27                              |                                     |                |              |          |        | /        |        |      | /    |   |
|                                    |                                       |                     | Power Level dB                                 |                    | 49/46/44                              |                                     |                |              |          |        |          |        |      |      |   |
|                                    | 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)  |                                       |                     | 0.22×2/25×2                                    | 0.22×2/25×2        | 0.21×2/25×2                           | 25.0/5.350k                         | 25.0/5.550k    | 25.0/5.750k  |          |        |          | /      |      |      |   |
| STARTING CURRENT(A)/COMP OUTPUT(W) |                                       |                     | -                                              | -                  | -                                     | 11.9/3.0k                           | 11.5/3.0k      | 11.1/3.0k    |          |        |          | /      |      |      |   |
| NETWORK IMPEDANCE (ΩMAX.)          |                                       |                     | -                                              |                    |                                       | -                                   |                |              |          |        |          |        |      |      |   |
| FM OUTPUT (W)                      |                                       |                     | 60×2                                           |                    |                                       | 90×2                                |                |              |          |        |          | /      |      |      |   |
| MOISTURE REMOVAL VOLUME            |                                       |                     | L/h(Pt/h)                                      | 6.0                | (3.0×2)                               | (12.6)                              | -              |              |          |        |          |        |      |      |   |
| External static pressure           |                                       |                     | Pa                                             |                    | -                                     |                                     |                |              |          |        |          |        |      |      |   |
| I/D AIR FLOW                       | COOL                                  |                     | m³/min (ft³/min)                               |                    | [16/13.5/12 (565/477/424)]×2          |                                     |                |              |          |        |          |        |      |      |   |
|                                    | HEAT                                  |                     | m³/min (ft³/min)                               |                    | [16/13.5/12 (565/477/424)]×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<br>I<br>M                           | HEIGHT : H mm(inch) |                                                | 256 (10-3/32)      |                                       |                                     | 1416 (55-3/4)  |              |          |        |          | /      |      |      |   |
|                                    |                                       | WIDTH : W mm(inch)  |                                                | 840 (33-3/32)      |                                       |                                     | 940 (37-1/32)  |              |          |        |          | /      |      |      |   |
|                                    |                                       | DEPTH : D mm(inch)  |                                                | 840 (33-3/32)      |                                       |                                     | 340 (13-13/32) |              |          |        |          | /      |      |      |   |
| P<br>A<br>C<br>M                   | I<br>D<br>M                           | HEIGHT : H mm       |                                                | 298                |                                       |                                     | 1556           |              |          |        |          | /      |      |      |   |
|                                    |                                       | WIDTH : W mm        |                                                | 929                |                                       |                                     | 1055           |              |          |        |          | /      |      |      |   |
|                                    |                                       | DEPTH : D mm        |                                                | 929                |                                       |                                     | 485            |              |          |        |          | /      |      |      |   |
| MASS                               | (NET) kg(lb)                          |                     | 23 (51)                                        |                    |                                       | 98 (216)                            |                |              |          |        | /        |        |      |      |   |
|                                    | (GROSS) kg(lb)                        |                     | 29 (64)                                        |                    |                                       | 108 (238)                           |                |              |          |        | /        |        |      |      |   |
| LAYERS LIMIT (actually)            |                                       |                     | 11 (12)                                        |                    |                                       | 1 (2)                               |                |              |          |        |          |        |      |      |   |
| 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>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)              |                |              |          |        |          |        |      |      |   |
| P<br>I<br>P<br>I<br>N<br>G         | 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)                         |                |              |          |        |          |        |      |      |   |
| P<br>I<br>P<br>I<br>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.

\*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

#### 1. 4-Way Cassette Type S-50PU1E5A×3 / U-140PE1E5A

|                                       |                                   |                             |                                                |                |                                       |                                     |                |              |             |             |       |        |   |
|---------------------------------------|-----------------------------------|-----------------------------|------------------------------------------------|----------------|---------------------------------------|-------------------------------------|----------------|--------------|-------------|-------------|-------|--------|---|
| INDOOR                                |                                   |                             | MODEL                                          |                | S-50PU1E5A×3                          |                                     |                |              |             |             |       |        |   |
| PANEL                                 |                                   |                             | MODEL                                          |                | CZ-KPU21×3                            |                                     |                |              |             |             |       |        |   |
| OUTDOOR                               |                                   |                             | MODEL                                          |                |                                       |                                     |                | U-140PE1E5A  |             |             |       |        |   |
| Branch pipe                           |                                   |                             | MODEL                                          |                |                                       |                                     |                | CZ-P3HPC2    |             |             |       |        |   |
| PERFORMANCE TEST CONDITION            |                                   |                             |                                                |                | ISO5151 / 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                                              |                | 0.22×3                                | 0.22×3                              | 0.21×3         | 19.8         | 19.2        | 18.6        | -     | -      |   |
|                                       | INPUT POWER                       |                             | W                                              |                | 25×3                                  | 25×3                                | 25×3           | 4.235k       | 4.235k      | 4.235k      | -     | -      |   |
|                                       |                                   |                             | TOTAL W                                        |                | -                                     |                                     |                | 4.310k       | 4.310k      | 4.310k      | 840   | 6.000k |   |
|                                       | ANNUAL CONSUMPTION                |                             | 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<br>Class | kWh                                            |                | -                                     | -                                   | -              | -            | -           | -           |       |        |   |
| POWER FACTOR                          |                                   |                             | %                                              |                | -                                     | -                                   | -              | 97           | 96          | 95          | -     | -      |   |
| NOISE INDOOR<br>(H/M/L)               |                                   |                             | dB-A                                           |                | 32/29/27                              |                                     |                |              |             |             |       |        |   |
|                                       |                                   |                             | Power Level dB                                 |                | 49/46/44                              |                                     |                |              |             |             |       |        |   |
| 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                                              |                | 0.20×3                                | 0.20×3                              | 0.19×3         | 19.9         | 19.3        | 18.7        | -     | -      |   |
|                                       | INPUT POWER                       |                             | W                                              |                | 25×3                                  | 25×3                                | 25×3           | 4.255k       | 4.255k      | 4.255k      | -     | -      |   |
|                                       |                                   |                             | TOTAL W                                        |                | -                                     |                                     |                | 4.330k       | 4.330k      | 4.330k      | 900   | 5.900k |   |
|                                       | COP/COP CLASS                     |                             | TOTAL(W/W)※5("A"~"G")                          |                | -                                     | -                                   | -              | 3.70         | 3.70 / A    | 3.70        | 4.56  | 3.05   |   |
|                                       | Erp<br>※6                         | Pdsign                      | kW                                             |                | -                                     | -                                   | -              | -            | -           | -           | -     | -      |   |
|                                       |                                   | Tbivalen                    | °C                                             |                | -                                     | -                                   | -              | -            | -           | -           | -     | -      |   |
|                                       |                                   | SCOP                        | (W/W)                                          |                | -                                     | -                                   | -              | -            | -           | -           | -     | -      |   |
|                                       |                                   | Annual consumption<br>Class | kWh                                            |                | -                                     | -                                   | -              | -            | -           | -           | -     | -      |   |
|                                       | POWER FACTOR                      |                             |                                                | %              |                                       | -                                   | -              | -            | 97          | 96          | 95    | -      | - |
|                                       | NOISE INDOOR<br>(H/M/L)           |                             |                                                | dB-A           |                                       | 32/29/27                            |                |              |             |             |       | /      | / |
|                                       |                                   |                             |                                                | Power Level dB |                                       | 49/46/44                            |                |              |             |             |       |        |   |
|                                       | 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)     |                                   |                             |                                                |                | 0.22×3/25×3                           | 0.22×3/25×3                         | 0.21×3/25×3    | 30.0/6.450k  | 30.0/6.650k | 30.0/6.850k | /     |        |   |
| STARTING CURRENT(A)/COMP OUTPUT(W)    |                                   |                             |                                                |                | -                                     | -                                   | -              | 19.9/3.0k    | 19.3/3.0k   | 18.7/3.0k   | /     |        |   |
| NETWORK IMPEDANCE (ΩMAX.)             |                                   |                             |                                                |                | -                                     |                                     |                | -            |             |             |       |        |   |
| FM OUTPUT (W)                         |                                   |                             |                                                |                | 60×3                                  |                                     |                | 90×2         |             |             | /     |        |   |
| MOISTURE REMOVAL VOLUME               |                                   |                             |                                                |                | L/h(Pt/h)                             | 9.0                                 | (3.0×3)        | (18.9)       | -           |             |       |        |   |
| External static pressure              |                                   |                             |                                                |                | Pa                                    | -                                   |                |              |             |             |       |        |   |
| I/D AIR<br>FLOW                       | COOL                              |                             | m³/min (ft³/min)                               |                | [16/13.5/12 (565/477/424)]×3          |                                     |                |              |             |             |       |        |   |
|                                       | HEAT                              |                             | m³/min (ft³/min)                               |                | [16/13.5/12 (565/477/424)]×3          |                                     |                |              |             |             |       |        |   |
| O/D AIR<br>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                                     | D                                 | HEIGHT : H mm(inch)         |                                                | 256 (10-3/32)  |                                       |                                     | 1416 (55-3/4)  |              |             | /           |       |        |   |
| R                                     | I                                 | WIDTH : W mm(inch)          |                                                | 840 (33-3/32)  |                                       |                                     | 940 (37-1/32)  |              |             | /           |       |        |   |
| O                                     | M                                 | DEPTH : D mm(inch)          |                                                | 840 (33-3/32)  |                                       |                                     | 340 (13-13/32) |              |             | /           |       |        |   |
| P                                     | D                                 | HEIGHT : H mm               |                                                | 298            |                                       |                                     | 1556           |              |             | /           |       |        |   |
| A                                     | I                                 | WIDTH : W mm                |                                                | 929            |                                       |                                     | 1055           |              |             | /           |       |        |   |
| C                                     | M                                 | DEPTH : D mm                |                                                | 929            |                                       |                                     | 485            |              |             | /           |       |        |   |
| MASS                                  |                                   | (NET) kg(lb)                |                                                | 23 (51)        |                                       |                                     | 98 (216)       |              |             | /           |       |        |   |
|                                       |                                   | (GROSS) kg(lb)              |                                                | 29 (64)        |                                       |                                     | 108 (238)      |              |             | /           |       |        |   |
| LAYERS LIMIT (actually)               |                                   |                             |                                                |                | 11 (12)                               |                                     |                | 1 (2)        |             |             |       |        |   |
| Operation<br>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)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

## 1-1. Unit Specifications

### PE1

#### 1. 4-Way Cassette Type S-60PU1E5A / U-60PE1E5A

|                                       |                                   |                             |                                                |                |                                       |                                     |             |              |          |        |      |        |   |
|---------------------------------------|-----------------------------------|-----------------------------|------------------------------------------------|----------------|---------------------------------------|-------------------------------------|-------------|--------------|----------|--------|------|--------|---|
| INDOOR                                |                                   |                             | MODEL                                          |                | S-60PU1E5A                            |                                     |             |              |          |        |      |        |   |
| PANEL                                 |                                   |                             | MODEL                                          |                | CZ-KPU21                              |                                     |             |              |          |        |      |        |   |
| OUTDOOR                               |                                   |                             | MODEL                                          |                |                                       |                                     |             | U-60PE1E5A   |          |        |      |        |   |
| Branch pipe                           |                                   |                             | MODEL                                          |                |                                       |                                     |             |              |          |        |      |        |   |
| PERFORMANCE TEST CONDITION            |                                   |                             |                                                |                | ISO5151 / 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         |              |          |        | 2.5  | 7.1    |   |
|                                       |                                   |                             | BTU/h                                          |                | 20500                                 | 20500                               | 20500       |              |          |        | 8500 | 24200  |   |
|                                       | CURRENT                           |                             | A                                              |                | 0.32                                  | 0.31                                | 0.30        | 7.15         | 6.90     | 6.70   | -    | -      |   |
|                                       | INPUT POWER                       |                             | W                                              |                | 35                                    | 35                                  | 35          | 1.445k       | 1.445k   | 1.445k | -    | -      |   |
|                                       |                                   |                             | TOTAL W                                        |                | -                                     |                                     |             | 1.480k       | 1.480k   | 1.480k | 450  | 2.000k |   |
|                                       | ANNUAL CONSUMPTION                |                             | TOTAL kWh ※4                                   |                | -                                     |                                     |             | -            | 740      | -      | -    | -      |   |
|                                       | EER/EER CLASS                     |                             | TOTAL(W/W)※5/(“A”-“G”)                         |                | -                                     | -                                   | -           | 4.05         | 4.05 / A | 4.05   | 5.56 | 3.55   |   |
|                                       | Erp<br>※6                         | Pdsign                      | kW                                             | -              | -                                     | -                                   | -           | 6.0          | -        |        |      |        |   |
|                                       |                                   | SEER                        | (W/W)                                          | -              | -                                     | -                                   | -           | 7.4          | -        |        |      |        |   |
|                                       |                                   | Annual consumption<br>Class | kWh                                            | -              | -                                     | -                                   | -           | 284          | -        |        |      |        |   |
| POWER FACTOR                          |                                   |                             | %                                              |                | -                                     | -                                   | -           | 92           | 91       | 90     | -    | -      |   |
| NOISE INDOOR<br>(H/M/L)               |                                   |                             | dB-A                                           |                | 36/31/28                              |                                     |             |              |          |        |      |        |   |
|                                       |                                   |                             | Power Level dB                                 |                | 53/48/45                              |                                     |             |              |          |        |      |        |   |
| 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                                             |                | 7.0                                   | 7.0                                 | 7.0         |              |          |        | 2.0  | 8.0    |   |
|                                       |                                   |                             | BTU/h                                          |                | 23900                                 | 23900                               | 23900       |              |          |        | 6800 | 27300  |   |
|                                       | CURRENT                           |                             | A                                              |                | 0.30                                  | 0.30                                | 0.29        | 8.50         | 8.20     | 7.95   | -    | -      |   |
|                                       | INPUT POWER                       |                             | W                                              |                | 35                                    | 35                                  | 35          | 1.775k       | 1.775k   | 1.775k | -    | -      |   |
|                                       |                                   |                             | TOTAL W                                        |                | -                                     |                                     |             | 1.810k       | 1.810k   | 1.810k | 400  | 2.480k |   |
|                                       | COP/COP CLASS                     |                             | TOTAL(W/W)※5/(“A”-“G”)                         |                | -                                     | -                                   | -           | 3.87         | 3.87 / A | 3.87   | 5.00 | 3.23   |   |
|                                       | Erp<br>※6                         | Pdsign                      | kW                                             | -              | -                                     | -                                   | -           | 6.0          | -        |        |      |        |   |
|                                       |                                   | Tbivalen                    | °C                                             | -              | -                                     | -                                   | -           | -10          | -        |        |      |        |   |
|                                       |                                   | SCOP                        | (W/W)                                          | -              | -                                     | -                                   | -           | 4.1          | -        |        |      |        |   |
|                                       |                                   | Annual consumption<br>Class | kWh                                            | -              | -                                     | -                                   | -           | 2047         | -        |        |      |        |   |
|                                       | POWER FACTOR                      |                             |                                                | %              |                                       | -                                   | -           | -            | 95       | 94     | 93   | -      | - |
|                                       | NOISE INDOOR<br>(H/M/L)           |                             |                                                | dB-A           |                                       | 36/31/28                            |             |              |          |        |      | /      | / |
|                                       |                                   |                             |                                                | Power Level dB |                                       | 53/48/45                            |             |              |          |        |      |        |   |
|                                       | 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)     |                                   |                             | 0.32/35                                        | 0.31/35        | 0.30/35                               | 18.0/3.800k                         | 18.0/3.930k | 18.0/4.060k  | /        |        |      |        |   |
| STARTING CURRENT(A)/COMP OUTPUT(W)    |                                   |                             | -                                              | -              | -                                     | 8.50/1.7k                           | 8.20/1.7k   | 7.95/1.7k    | /        |        |      |        |   |
| NETWORK IMPEDANCE (ΩMAX.)             |                                   |                             |                                                |                |                                       |                                     |             |              |          |        |      |        |   |
| FM OUTPUT (W)                         |                                   |                             | 60                                             |                |                                       | 90                                  |             |              | /        |        |      |        |   |
| MOISTURE REMOVAL VOLUME               |                                   |                             | L/h(Pt/h)                                      |                |                                       | 3.4 (7.1)                           |             |              |          |        |      |        |   |
| External static pressure              |                                   |                             | Pa                                             |                |                                       | -                                   |             |              |          |        |      |        |   |
| I/D AIR FLOW                          | COOL                              | m³/min (ft³/min)            | 21/17/14 (742/600/494)                         |                |                                       |                                     |             |              |          |        |      |        |   |
|                                       | HEAT                              | m³/min (ft³/min)            | 21/17/14 (742/600/494)                         |                |                                       |                                     |             |              |          |        |      |        |   |
| 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)         | 256 (10-3/32)                                  |                |                                       | 996 (39-7/32)                       |             |              | /        |        |      |        |   |
|                                       | I                                 | WIDTH : W mm(inch)          | 840 (33-3/32)                                  |                |                                       | 940 (37-1/32)                       |             |              | /        |        |      |        |   |
|                                       | M                                 | DEPTH : D mm(inch)          | 840 (33-3/32)                                  |                |                                       | 340 (13-13/32)                      |             |              | /        |        |      |        |   |
| P<br>A<br>C<br>M                      | D                                 | HEIGHT : H mm               | 298                                            |                |                                       | 1136                                |             |              | /        |        |      |        |   |
|                                       | I                                 | WIDTH : W mm                | 929                                            |                |                                       | 1055                                |             |              | /        |        |      |        |   |
|                                       | M                                 | DEPTH : D mm                | 929                                            |                |                                       | 485                                 |             |              | /        |        |      |        |   |
| MASS                                  | (NET) kg(lb)                      | 24 (53)                     |                                                |                | 68 (150)                              |                                     |             | /            |          |        |      |        |   |
|                                       | (GROSS) kg(lb)                    | 30 (67)                     |                                                |                | 76 (168)                              |                                     |             | /            |          |        |      |        |   |
| LAYERS LIMIT (actually)               |                                   |                             | 11 (12)                                        |                |                                       | 2 (3)                               |             |              |          |        |      |        |   |
| 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>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

#### 1. 4-Way Cassette Type S-60PU1E5A×2 / U-125PE1E5A

|                                       |                                   |                                       |                                                |             |             |                                     |             |             |       |        |   |
|---------------------------------------|-----------------------------------|---------------------------------------|------------------------------------------------|-------------|-------------|-------------------------------------|-------------|-------------|-------|--------|---|
| INDOOR                                |                                   | MODEL                                 | S-60PU1E5A×2                                   |             |             |                                     |             |             |       |        |   |
| PANEL                                 |                                   | MODEL                                 | CZ-KPU21×2                                     |             |             |                                     |             |             |       |        |   |
| OUTDOOR                               |                                   | MODEL                                 |                                                |             |             | U-125PE1E5A                         |             |             |       |        |   |
| Branch pipe                           |                                   | MODEL                                 |                                                |             |             | CZ-P155BK1                          |             |             |       |        |   |
| PERFORMANCE TEST CONDITION            |                                   |                                       | ISO5151 / EN14511 / EN12102                    |             |             |                                     |             |             |       |        |   |
| POWER SUPPLY                          |                                   | ø, Hz                                 | 1ø 50Hz                                        |             |             | 1ø 50Hz                             |             |             |       |        |   |
| C<br>O<br>O<br>L<br>I<br>N<br>G       | CAPACITY                          | V                                     | 220                                            | 230         | 240         | 220                                 | 230         | 240         | Min   | Max    |   |
|                                       |                                   | kW                                    | 12.5                                           | 12.5        | 12.5        |                                     |             |             | 3.3   | 14.0   |   |
|                                       |                                   | BTU/h                                 | 42700                                          | 42700       | 42700       |                                     |             |             | 11300 | 47800  |   |
|                                       | CURRENT                           | A                                     | 0.32×2                                         | 0.31×2      | 0.30×2      | 15.9                                | 15.4        | 14.9        | -     | -      |   |
|                                       | INPUT POWER                       | W                                     | 35×2                                           | 35×2        | 35×2        | 3.400k                              | 3.400k      | 3.400k      | -     | -      |   |
|                                       |                                   | TOTAL W                               | -                                              |             |             | 3.470k                              | 3.470k      | 3.470k      | 840   | 4.600k |   |
|                                       | ANNUAL CONSUMPTION                | TOTAL kWh ※4                          | -                                              |             |             | -                                   | 1735        | -           | -     | -      |   |
|                                       | EER/EER CLASS                     | TOTAL(W/W)※5/("A"-G)                  | -                                              | -           | -           | 3.60                                | 3.60 / A    | 3.60        | 3.93  | 3.04   |   |
|                                       | Erp<br>※6                         | Pdsign                                | kW                                             | -           | -           | -                                   | -           | -           | -     |        |   |
|                                       |                                   | SEER                                  | (W/W)                                          | -           | -           | -                                   | -           | -           | -     |        |   |
| Annual consumption                    |                                   | kWh                                   | -                                              | -           | -           | -                                   | -           | -           |       |        |   |
| Class                                 |                                   |                                       | -                                              | -           | -           | -                                   | -           | -           |       |        |   |
| POWER FACTOR                          | %                                 | -                                     | -                                              | -           | 97          | 96                                  | 95          | -           | -     |        |   |
| NOISE INDOOR<br>(H/M/L)               | dB-A                              | 36/31/28                              |                                                |             |             |                                     |             |             |       |        |   |
|                                       | Power Level dB                    | 53/48/45                              |                                                |             |             |                                     |             |             |       |        |   |
| 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                                     | 0.30×2                                         | 0.30×2      | 0.29×2      | 16.0                                | 15.5        | 15.0        | -     | -      |   |
|                                       | INPUT POWER                       | W                                     | 35×2                                           | 35×2        | 35×2        | 3.430k                              | 3.430k      | 3.430k      | -     | -      |   |
|                                       |                                   | TOTAL W                               | -                                              |             |             | 3.500k                              | 3.500k      | 3.500k      | 900   | 5.200k |   |
|                                       | COP/COP CLASS                     | TOTAL(W/W)※5/("A"-G)                  | -                                              | -           | -           | 4.00                                | 4.00 / A    | 4.00        | 4.56  | 3.08   |   |
|                                       | Erp<br>※6                         | Pdsign                                | kW                                             | -           | -           | -                                   | -           | -           | -     | -      | - |
|                                       |                                   | Tbivalen                              | °C                                             | -           | -           | -                                   | -           | -           | -     |        |   |
|                                       |                                   | SCOP                                  | (W/W)                                          | -           | -           | -                                   | -           | -           | -     |        |   |
|                                       |                                   | Annual consumption                    | kWh                                            | -           | -           | -                                   | -           | -           | -     |        |   |
|                                       | Class                             |                                       | -                                              | -           | -           | -                                   | -           | -           |       |        |   |
|                                       | POWER FACTOR                      | %                                     | -                                              | -           | -           | 97                                  | 96          | 95          | -     | -      |   |
|                                       | NOISE INDOOR<br>(H/M/L)           | dB-A                                  | 36/31/28                                       |             |             |                                     | -           |             | /     | /      |   |
|                                       |                                   | Power Level dB                        | 53/48/45                                       |             |             |                                     | -           |             |       |        |   |
| 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)     |                                   |                                       | 0.32×2/35×2                                    | 0.31×2/35×2 | 0.30×2/35×2 | 28.0/6.000k                         | 28.0/6.200k | 28.0/6.400k | /     |        |   |
| STARTING CURRENT(A)/COMP OUTPUT(W)    |                                   |                                       | -                                              | -           | -           | 16.0/3.0k                           | 15.5/3.0k   | 15.0/3.0k   | /     |        |   |
| NETWORK IMPEDANCE (ΩMAX.)             |                                   |                                       | -                                              |             |             | -                                   |             |             |       |        |   |
| FM OUTPUT (W)                         |                                   |                                       | 60×2                                           |             |             | 90×2                                |             |             | /     |        |   |
| MOISTURE REMOVAL VOLUME               |                                   | L/h(Pt/h)                             | 7.9                                            | (3.95×2)    | (16.6)      | -                                   |             |             |       |        |   |
| External static pressure              |                                   | Pa                                    | -                                              |             |             |                                     |             |             |       |        |   |
| I/D AIR FLOW                          | COOL                              | m³/min (ft³/min)                      | [21/17/14 (742/600/494)]×2                     |             |             |                                     |             |             |       |        |   |
|                                       | HEAT                              | m³/min (ft³/min)                      | [21/17/14 (742/600/494)]×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                                     | D                                 | HEIGHT : H mm(inch)                   | 256 (10-3/32)                                  |             |             | 1416 (55-3/4)                       |             |             | /     |        |   |
| R                                     | I                                 | WIDTH : W mm(inch)                    | 840 (33-3/32)                                  |             |             | 940 (37-1/32)                       |             |             | /     |        |   |
| O                                     | M                                 | DEPTH : D mm(inch)                    | 840 (33-3/32)                                  |             |             | 340 (13-13/32)                      |             |             | /     |        |   |
| P                                     | D                                 | HEIGHT : H mm                         | 298                                            |             |             | 1556                                |             |             | /     |        |   |
| A                                     | I                                 | WIDTH : W mm                          | 929                                            |             |             | 1055                                |             |             | /     |        |   |
| C                                     | M                                 | DEPTH : D mm                          | 929                                            |             |             | 485                                 |             |             | /     |        |   |
| MASS                                  |                                   | (NET) kg(lb)                          | 24 (53)                                        |             |             | 98 (216)                            |             |             | /     |        |   |
|                                       |                                   | (GROSS) kg(lb)                        | 30 (67)                                        |             |             | 108 (238)                           |             |             | /     |        |   |
| LAYERS LIMIT (actually)               |                                   |                                       | 11 (12)                                        |             |             | 1 (2)                               |             |             |       |        |   |
| 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)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

### 1. 4-Way Cassette Type S-71PU1E5A / U-71PE1E5A

|                                       |                                       |                        |                                                |         |          |                                     |             |             |      |        |
|---------------------------------------|---------------------------------------|------------------------|------------------------------------------------|---------|----------|-------------------------------------|-------------|-------------|------|--------|
| INDOOR                                |                                       | MODEL                  | S-71PU1E5A                                     |         |          |                                     |             |             |      |        |
| PANEL                                 |                                       | MODEL                  | CZ-KPU21                                       |         |          |                                     |             |             |      |        |
| OUTDOOR                               |                                       | MODEL                  |                                                |         |          | U-71PE1E5A                          |             |             |      |        |
| Branch pipe                           |                                       | MODEL                  |                                                |         |          |                                     |             |             |      |        |
| PERFORMANCE TEST CONDITION            |                                       |                        | ISO5151 / 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                     | 7.1                                            | 7.1     | 7.1      |                                     |             |             | 2.5  | 8.0    |
|                                       |                                       | BTU/h                  | 24200                                          | 24200   | 24200    |                                     |             |             | 8500 | 27300  |
|                                       | CURRENT                               | A                      | 0.36                                           | 0.33    | 0.32     | 8.40                                | 8.10        | 7.90        | -    | -      |
|                                       | INPUT POWER                           | W                      | 40                                             | 40      | 40       | 1.760k                              | 1.760k      | 1.760k      | -    | -      |
|                                       |                                       | TOTAL W                |                                                |         |          | 1.800k                              | 1.800k      | 1.800k      | 450  | 2.650k |
|                                       | ANNUAL CONSUMPTION                    | TOTAL kWh ※4           |                                                |         |          | -                                   | 900         | -           | -    | -      |
|                                       | EER/EER CLASS                         | TOTAL(W/W)※5/("A"~"G") | -                                              | -       | -        | 3.94                                | 3.94 / A    | 3.94        | 5.56 | 3.02   |
|                                       | Erp<br>※6                             | Pdsign                 | kW                                             | -       | -        | -                                   | -           | 7.1         | -    |        |
|                                       |                                       | SEER                   | (W/W)                                          | -       | -        | -                                   | -           | 7.4         | -    |        |
|                                       |                                       | Annual consumption     | kWh                                            | -       | -        | -                                   | -           | 336         | -    |        |
|                                       |                                       | Class                  |                                                | -       | -        | -                                   | -           | A++         | -    |        |
| POWER FACTOR                          | %                                     | -                      | -                                              | -       | 95       | 94                                  | 93          | -           | -    |        |
| NOISE INDOOR<br>(H/M/L)               | dB-A                                  | 37/31/28               |                                                |         |          |                                     |             |             |      |        |
|                                       | Power Level dB                        | 54/48/45               |                                                |         |          |                                     |             |             |      |        |
| NOISE OUTDOOR<br>(H/L)                | dB-A                                  |                        |                                                |         | 48/-     |                                     |             |             |      |        |
|                                       | Power Level dB                        |                        |                                                |         | 65/-     |                                     |             |             |      |        |
| H E A T I N G                         | CAPACITY                              | kW                     | 8.0                                            | 8.0     | 8.0      |                                     |             |             | 2.0  | 9.0    |
|                                       |                                       | BTU/h                  | 27300                                          | 27300   | 27300    |                                     |             |             | 6800 | 30700  |
|                                       | CURRENT                               | A                      | 0.35                                           | 0.32    | 0.31     | 9.30                                | 9.00        | 8.70        | -    | -      |
|                                       | INPUT POWER                           | W                      | 40                                             | 40      | 40       | 1.960k                              | 1.960k      | 1.960k      | -    | -      |
|                                       |                                       | TOTAL W                |                                                |         |          | 2.000k                              | 2.000k      | 2.000k      | 400  | 2.900k |
|                                       | COP/COP CLASS                         | TOTAL(W/W)※5/("A"~"G") | -                                              | -       | -        | 4.00                                | 4.00 / A    | 4.00        | 5.00 | 3.10   |
|                                       | Erp<br>※6                             | Pdsign                 | kW                                             | -       | -        | -                                   | -           | 7.1         | -    |        |
|                                       |                                       | Tbivalen               | °C                                             | -       | -        | -                                   | -           | -9          | -    |        |
|                                       |                                       | SCOP                   | (W/W)                                          | -       | -        | -                                   | -           | 4.1         | -    |        |
|                                       |                                       | Annual consumption     | kWh                                            | -       | -        | -                                   | -           | 2424        | -    |        |
|                                       | Class                                 |                        | -                                              | -       | -        | -                                   | A+          | -           |      |        |
|                                       | POWER FACTOR                          | %                      | -                                              | -       | -        | 96                                  | 95          | 94          | -    | -      |
|                                       | NOISE INDOOR<br>(H/M/L)               | dB-A                   | 37/31/28                                       |         |          |                                     |             |             | /    | /      |
|                                       |                                       | Power Level dB         | 54/48/45                                       |         |          |                                     |             |             |      |        |
|                                       | 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)     |                                       |                        | 0.36/40                                        | 0.33/40 | 0.32/40  | 18.0/3.800k                         | 18.0/3.930k | 18.0/4.060k | /    |        |
| STARTING CURRENT(A)/COMP OUTPUT(W)    |                                       |                        | -                                              | -       | -        | 9.30/2.0k                           | 9.00/2.0k   | 8.70/2.0k   | /    |        |
| NETWORK IMPEDANCE (ΩMAX.)             |                                       |                        |                                                |         |          |                                     |             |             |      |        |
| FM OUTPUT (W)                         |                                       |                        | 60                                             |         |          | 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)       | 22/17/14 (777/600/494)                         |         |          |                                     |             |             |      |        |
|                                       | HEAT                                  | m³/min (ft³/min)       | 22/17/14 (777/600/494)                         |         |          |                                     |             |             |      |        |
| 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 R O M                               | D                                     | HEIGHT : H mm(inch)    | 256 (10-3/32)                                  |         |          | 996 (39-7/32)                       |             |             | /    |        |
|                                       | I                                     | WIDTH : W mm(inch)     | 840 (33-3/32)                                  |         |          | 940 (37-1/32)                       |             |             | /    |        |
|                                       | M                                     | DEPTH : D mm(inch)     | 840 (33-3/32)                                  |         |          | 340 (13-13/32)                      |             |             | /    |        |
| P A C M                               | D                                     | HEIGHT : H mm          | 298                                            |         |          | 1136                                |             |             | /    |        |
|                                       | I                                     | WIDTH : W mm           | 929                                            |         |          | 1055                                |             |             | /    |        |
|                                       | M                                     | DEPTH : D mm           | 929                                            |         |          | 485                                 |             |             | /    |        |
| MASS                                  | (NET) kg(lb)                          | 24 (53)                |                                                |         | 69 (152) |                                     |             | /           |      |        |
|                                       | (GROSS) kg(lb)                        | 30 (67)                |                                                |         | 77 (170) |                                     |             | /           |      |        |
| LAYERS LIMIT (actually)               |                                       |                        | 11 (12)                                        |         |          | 2 (3)                               |             |             |      |        |
| Operation Condition                   |                                       | Cool (DBT)             | 18°C ~ 32°C                                    |         |          | -15°C ~ 46°C                        |             |             |      |        |
|                                       |                                       | Heat (DBT)             | 16°C ~ 30°C                                    |         |          | -20°C ~ 24°C                        |             |             |      |        |
| P I P 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.

\*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

#### 1. 4-Way Cassette Type S-71PU1E5A×2 / U-140PE1E5A

|                                                       |                                       |                       |                                               |                             |             |                                     |             |             |        |        |        |   |
|-------------------------------------------------------|---------------------------------------|-----------------------|-----------------------------------------------|-----------------------------|-------------|-------------------------------------|-------------|-------------|--------|--------|--------|---|
| INDOOR                                                |                                       |                       | MODEL                                         | S-71PU1E5A×2                |             |                                     |             |             |        |        |        |   |
| PANEL                                                 |                                       |                       | MODEL                                         | CZ-KPU21×2                  |             |                                     |             |             |        |        |        |   |
| OUTDOOR                                               |                                       |                       | MODEL                                         |                             |             |                                     | U-140PE1E5A |             |        |        |        |   |
| Branch pipe                                           |                                       |                       | MODEL                                         |                             |             |                                     | CZ-P155BK1  |             |        |        |        |   |
| PERFORMANCE TEST CONDITION                            |                                       |                       |                                               | ISO5151 / EN14511 / EN12102 |             |                                     |             |             |        |        |        |   |
| POWER SUPPLY                                          |                                       |                       | ø, Hz                                         | 1ø 50Hz                     |             |                                     | 1ø 50Hz     |             |        |        |        |   |
| C<br>O<br>O<br>L<br>I<br>N<br>G                       | CAPACITY                              |                       | V                                             | 220                         | 230         | 240                                 | 220         | 230         | 240    | Min    | Max    |   |
|                                                       |                                       |                       | kW                                            | 14.0                        | 14.0        | 14.0                                |             |             |        | 3.3    | 15.5   |   |
|                                                       | BTU/h                                 |                       | 47800                                         | 47800                       | 47800       |                                     |             |             | 11300  | 52900  |        |   |
|                                                       |                                       |                       | CURRENT                                       |                             | A           | 0.36×2                              | 0.33×2      | 0.32×2      | 19.8   | 19.2   | 18.6   | - |
|                                                       | INPUT POWER                           |                       | W                                             | 40×2                        | 40×2        | 40×2                                | 4.230k      | 4.230k      | 4.230k | -      | -      |   |
|                                                       |                                       |                       | TOTAL W                                       | -                           |             |                                     | 4.310k      | 4.310k      | 4.310k | 840    | 6.000k |   |
|                                                       | ANNUAL CONSUMPTION                    |                       | 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)                                         | -                           | -           | -                                   | -           | -           | -      |        |        |   |
| H<br>E<br>A<br>T<br>I<br>N<br>G                       | Annual consumption                    | kWh                   | -                                             | -                           | -           | -                                   | -           | -           |        |        |        |   |
|                                                       |                                       | Class                 | -                                             | -                           | -           | -                                   | -           | -           |        |        |        |   |
|                                                       | POWER FACTOR                          |                       | %                                             | -                           | -           | -                                   | 97          | 96          | 95     | -      | -      |   |
|                                                       | NOISE INDOOR<br>(H/M/L)               |                       | dB-A                                          | 37/31/28                    |             |                                     |             |             |        |        |        |   |
|                                                       |                                       |                       | Power Level dB                                | 54/48/45                    |             |                                     |             |             |        |        |        |   |
|                                                       | NOISE OUTDOOR<br>(H/L)                |                       | dB-A                                          |                             |             |                                     | 54/-        |             |        |        |        |   |
|                                                       |                                       |                       | Power Level dB                                |                             |             |                                     | 71/-        |             |        |        |        |   |
|                                                       | CAPACITY                              |                       | kW                                            | 16.0                        | 16.0        | 16.0                                |             |             |        | 4.1    | 18.0   |   |
|                                                       |                                       |                       | BTU/h                                         | 54600                       | 54600       | 54600                               |             |             |        | 14000  | 61400  |   |
|                                                       | CURRENT                               |                       | A                                             | 0.35×2                      | 0.32×2      | 0.31×2                              | 19.9        | 19.3        | 18.7   | -      | -      |   |
| INPUT POWER                                           |                                       | W                     | 40×2                                          | 40×2                        | 40×2        | 4.250k                              | 4.250k      | 4.250k      | -      | -      |        |   |
|                                                       |                                       | TOTAL W               | -                                             |                             |             | 4.330k                              | 4.330k      | 4.330k      | 900    | 5.900k |        |   |
| COP/COP CLASS                                         |                                       | TOTAL(W/W)※5("A"~"G") | -                                             | -                           | -           | 3.70                                | 3.70 / A    | 3.70        | 4.56   | 3.05   |        |   |
| Erp<br>※6                                             | Pdsign                                | kW                    | -                                             | -                           | -           | -                                   | -           | -           | -      | -      |        |   |
|                                                       | Tbivalen                              | °C                    | -                                             | -                           | -           | -                                   | -           | -           |        |        |        |   |
| SCOP                                                  | (W/W)                                 | -                     | -                                             | -                           | -           | -                                   | -           | -           |        |        |        |   |
|                                                       | Annual consumption                    | kWh                   | -                                             | -                           | -           | -                                   | -           | -           |        |        |        |   |
| Class                                                 |                                       | -                     | -                                             | -                           | -           | -                                   | -           | -           |        |        |        |   |
|                                                       | POWER FACTOR                          |                       | %                                             | -                           | -           | -                                   | 97          | 96          | 95     | -      | -      |   |
| NOISE INDOOR<br>(H/M/L)                               |                                       | dB-A                  | 37/31/28                                      |                             |             |                                     |             |             | /      | /      |        |   |
|                                                       |                                       | Power Level dB        | 54/48/45                                      |                             |             |                                     |             |             |        |        |        |   |
| 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)                     |                                       |                       | 0.36×2/40×2                                   | 0.33×2/40×2                 | 0.32×2/40×2 | 30.0/6.450k                         | 30.0/6.650k | 30.0/6.850k | /      |        |        |   |
| STARTING CURRENT(A)/COMP OUTPUT(W)                    |                                       |                       | -                                             | -                           | -           | 19.9/3.0k                           | 19.3/3.0k   | 18.7/3.0k   | /      |        |        |   |
| NETWORK IMPEDANCE (ΩMAX.)                             |                                       |                       | -                                             |                             |             | -                                   |             |             |        |        |        |   |
| FM OUTPUT (W)                                         |                                       |                       | 60×2                                          |                             |             | 90×2                                |             |             | /      |        |        |   |
| MOISTURE REMOVAL VOLUME                               |                                       |                       | L/h(Pt/h)                                     | 9.0                         | (4.5×2)     | (18.9)                              | -           |             |        |        |        |   |
| External static pressure                              |                                       |                       | Pa                                            | -                           |             |                                     |             |             |        |        |        |   |
| I/D AIR FLOW                                          | COOL                                  | m³/min (ft³/min)      | [22/17/14 (777/600/494)]×2                    |                             |             |                                     |             |             |        |        |        |   |
|                                                       | HEAT                                  | m³/min (ft³/min)      | [22/17/14 (777/600/494)]×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                                                     | D                                     | HEIGHT : H mm(inch)   | 256 (10-3/32)                                 |                             |             | 1416 (55-3/4)                       |             |             | /      |        |        |   |
| R                                                     | I                                     | WIDTH : W mm(inch)    | 840 (33-3/32)                                 |                             |             | 940 (37-1/32)                       |             |             | /      |        |        |   |
| O                                                     | M                                     | DEPTH : D mm(inch)    | 840 (33-3/32)                                 |                             |             | 340 (13-13/32)                      |             |             | /      |        |        |   |
| P                                                     | D                                     | HEIGHT : H mm         | 298                                           |                             |             | 1556                                |             |             | /      |        |        |   |
| A                                                     | I                                     | WIDTH : W mm          | 929                                           |                             |             | 1055                                |             |             | /      |        |        |   |
| C                                                     | M                                     | DEPTH : D mm          | 929                                           |                             |             | 485                                 |             |             | /      |        |        |   |
| MASS                                                  |                                       | (NET) kg(lb)          | 24 (53)                                       |                             |             | 98 (216)                            |             |             | /      |        |        |   |
|                                                       |                                       | (GROSS) kg(lb)        | 30 (67)                                       |                             |             | 108 (238)                           |             |             | /      |        |        |   |
| LAYERS LIMIT (actually)                               |                                       |                       | 11 (12)                                       |                             |             | 1 (2)                               |             |             |        |        |        |   |
| Operation Condition                                   |                                       | Cool (DBT)            | 18°C ~ 32°C                                   |                             |             | -15°C ~ 46°C                        |             |             |        |        |        |   |
|                                                       |                                       | Heat (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 (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.

# Single-Type

## 1-1. Unit Specifications

### PE1

#### 1. 4-Way Cassette Type S-100PU1E5A / U-100PE1E5A

|                                    |                                                |                       |                                                |         |         |                                     |             |             |        |        |
|------------------------------------|------------------------------------------------|-----------------------|------------------------------------------------|---------|---------|-------------------------------------|-------------|-------------|--------|--------|
| INDOOR                             |                                                | MODEL                 | S-100PU1E5A                                    |         |         |                                     |             |             |        |        |
| PANEL                              |                                                | MODEL                 | CZ-KPU21                                       |         |         | -                                   |             |             |        |        |
| OUTDOOR                            |                                                | MODEL                 |                                                |         |         | U-100PE1E5A                         |             |             |        |        |
| Branch pipe                        |                                                | MODEL                 |                                                |         |         | -                                   |             |             |        |        |
| PERFORMANCE TEST CONDITION         |                                                |                       | ISO5151 / 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                     | 0.73                                           | 0.71    | 0.71    | 10.7                                | 10.3        | 9.90        | -      | -      |
|                                    | INPUT POWER                                    | W                     | 95                                             | 95      | 95      | 2.285k                              | 2.285k      | 2.285k      | -      | -      |
|                                    |                                                | TOTAL W               | -                                              |         |         | 2.380k                              | 2.380k      | 2.380k      | 840    | 3.700k |
|                                    | ANNUAL CONSUMPTION                             | TOTAL kWh ※4          | -                                              |         |         | -                                   | 1190        | -           | -      | -      |
|                                    | EER/EER CLASS                                  | TOTAL(W/W)※5("A"~"G") | -                                              | -       | -       | 4.20                                | 4.20 / A    | 4.20        | 3.93   | 3.38   |
|                                    | Erp<br>※6                                      | Pdsign                | kW                                             | -       | -       | -                                   | 10.0        | -           | -      | -      |
|                                    |                                                | SEER                  | (W/W)                                          | -       | -       | -                                   | -           | 6.6         | -      | -      |
|                                    | H<br>E<br>A<br>T<br>I<br>N<br>G                | Annual consumption    | kWh                                            | -       | -       | -                                   | -           | 530         | -      | -      |
| Class                              |                                                |                       | -                                              | -       | -       | -                                   | A++         | -           | -      | -      |
| POWER FACTOR                       |                                                | %                     | -                                              | -       | -       | 97                                  | 96          | 96          | -      | -      |
| NOISE INDOOR<br>(H/M/L)            |                                                | dB-A                  | 44/38/32                                       |         |         |                                     |             |             |        |        |
|                                    |                                                | Power Level dB        | 62/55/49                                       |         |         |                                     |             |             |        |        |
| NOISE OUTDOOR<br>(H/L)             |                                                | dB-A                  |                                                |         |         | 52/-                                |             |             |        |        |
|                                    |                                                | Power Level dB        |                                                |         |         | 69/-                                |             |             |        |        |
| CAPACITY                           |                                                | kW                    | 11.2                                           | 11.2    | 11.2    |                                     |             |             | 4.1    | 14.0   |
|                                    |                                                | BTU/h                 | 38200                                          | 38200   | 38200   |                                     |             |             | 14000  | 47800  |
| CURRENT                            |                                                | A                     | 0.66                                           | 0.65    | 0.64    | 11.8                                | 11.4        | 11.0        | -      | -      |
| INPUT POWER                        | W                                              | 85                    | 85                                             | 85      | 2.515k  | 2.515k                              | 2.515k      | -           | -      |        |
|                                    | 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)                                          | -                     | -                                              | -       | -       | 4.2                                 | -           | -           | -      |        |
|                                    | Annual consumption                             | kWh                   | -                                              | -       | -       | -                                   | 3333        | -           | -      |        |
| Class                              |                                                | -                     | -                                              | -       | -       | A+                                  | -           | -           | -      |        |
|                                    | POWER FACTOR                                   | %                     | -                                              | -       | -       | 97                                  | 96          | 95          | -      | -      |
| NOISE INDOOR<br>(H/M/L)            | dB-A                                           | 44/38/32              |                                                |         |         |                                     |             | /           | /      |        |
|                                    | Power Level dB                                 | 62/55/49              |                                                |         |         |                                     |             |             |        |        |
| 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)  |                                                |                       | 0.73/95                                        | 0.71/95 | 0.71/95 | 25.0/5.350k                         | 25.0/5.550k | 25.0/5.750k | /      |        |
| STARTING CURRENT(A)/COMP OUTPUT(W) |                                                |                       | -                                              | -       | -       | 11.8/3.0k                           | 11.4/3.0k   | 11.0/3.0k   | /      |        |
| NETWORK IMPEDANCE (ΩMAX.)          |                                                |                       | -                                              |         |         | -                                   |             |             |        |        |
| FM OUTPUT (W)                      |                                                |                       | 90                                             |         |         | 90x2                                |             |             | /      |        |
| MOISTURE REMOVAL VOLUME            |                                                |                       | L/h(Pt/h)                                      | 6.0     | (12.6)  | -                                   |             |             |        |        |
| External static pressure           |                                                |                       | Pa                                             |         |         | -                                   |             |             |        |        |
| I/D AIR FLOW                       | COOL                                           | m³/min (ft³/min)      | 33/27/21 (1165/953/742)                        |         |         |                                     |             |             |        |        |
| FLOW                               | HEAT                                           | m³/min (ft³/min)      | 33/27/21 (1165/953/742)                        |         |         |                                     |             |             |        |        |
| O/D AIR FLOW                       | COOL                                           | m³/min (ft³/min)      |                                                |         |         | 110                                 | (3885)      |             |        |        |
| FLOW                               | 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<br>E<br>N<br>S<br>I<br>O<br>N<br>S | HEIGHT : H mm(inch)   | 319 (12-9/16)                                  |         |         | 1416 (55-3/4)                       |             |             | /      |        |
|                                    |                                                | WIDTH : W mm(inch)    | 840 (33-3/32)                                  |         |         | 940 (37-1/32)                       |             |             | /      |        |
|                                    |                                                | DEPTH : D mm(inch)    | 840 (33-3/32)                                  |         |         | 340 (13-13/32)                      |             |             | /      |        |
| P<br>A<br>C<br>M                   | D<br>I<br>M<br>E<br>N<br>S<br>I<br>O<br>N<br>S | HEIGHT : H mm         | 361                                            |         |         | 1556                                |             |             | /      |        |
|                                    |                                                | WIDTH : W mm          | 929                                            |         |         | 1055                                |             |             | /      |        |
|                                    |                                                | DEPTH : D mm          | 929                                            |         |         | 485                                 |             |             | /      |        |
| MASS                               |                                                | (NET) kg(lb)          | 27 (60)                                        |         |         | 98 (216)                            |             |             | /      |        |
|                                    |                                                | (GROSS) kg(lb)        | 34 (75)                                        |         |         | 108 (238)                           |             |             | /      |        |
| LAYERS LIMIT (actually)            |                                                |                       | 11 (12)                                        |         |         | 1 (2)                               |             |             |        |        |
| 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)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

#### 1. 4-Way Cassette Type S-125PU1E5A / U-125PE1E5A

|                                       |                                   |                                       |                                              |          |          |                                     |             |             |        |       |        |
|---------------------------------------|-----------------------------------|---------------------------------------|----------------------------------------------|----------|----------|-------------------------------------|-------------|-------------|--------|-------|--------|
| INDOOR                                |                                   | MODEL                                 | S-125PU1E5A                                  |          |          |                                     |             |             |        |       |        |
| PANEL                                 |                                   | MODEL                                 | CZ-KPU21                                     |          |          | -                                   |             |             |        |       |        |
| OUTDOOR                               |                                   | MODEL                                 |                                              |          |          | U-125PE1E5A                         |             |             |        |       |        |
| Branch pipe                           |                                   | MODEL                                 |                                              |          |          | -                                   |             |             |        |       |        |
| PERFORMANCE TEST CONDITION            |                                   |                                       | ISO5151 / EN14511 / EN12102                  |          |          |                                     |             |             |        |       |        |
| POWER SUPPLY                          |                                   | ø, Hz                                 | 1ø 50Hz                                      |          |          | 1ø 50Hz                             |             |             |        |       |        |
| C<br>O<br>O<br>L<br>I<br>N<br>G       |                                   |                                       | V                                            | 220      | 230      | 240                                 | 220         | 230         | 240    | Min   | Max    |
|                                       | CAPACITY                          |                                       | kW                                           | 12.5     | 12.5     | 12.5                                |             |             |        | 3.3   | 14.0   |
|                                       |                                   |                                       | BTU/h                                        | 42700    | 42700    | 42700                               |             |             |        | 11300 | 47800  |
|                                       | CURRENT                           |                                       | A                                            | 0.77     | 0.76     | 0.73                                | 15.8        | 15.3        | 14.8   | -     | -      |
|                                       | INPUT POWER                       |                                       | W                                            | 100      | 100      | 100                                 | 3.370k      | 3.370k      | 3.370k | -     | -      |
|                                       |                                   |                                       | TOTAL W                                      | -        |          |                                     | 3.470k      | 3.470k      | 3.470k | 840   | 4.600k |
|                                       | ANNUAL CONSUMPTION                |                                       | TOTAL kWh ※4                                 | -        |          |                                     | -           | 1735        | -      | -     | -      |
|                                       | EER/EER CLASS                     |                                       | TOTAL(W/W)※5("A"~"G")                        | -        | -        | -                                   | 3.60        | 3.60 / A    | 3.60   | 3.93  | 3.04   |
|                                       | Erp<br>※6                         | Pdsign                                | kW                                           | -        | -        | -                                   | -           | -           | -      |       |        |
|                                       |                                   | SEER                                  | (W/W)                                        | -        | -        | -                                   | -           | -           | -      |       |        |
| Annual consumption                    |                                   | kWh                                   | -                                            | -        | -        | -                                   | -           | -           |        |       |        |
| Class                                 |                                   |                                       | -                                            | -        | -        | -                                   | -           | -           |        |       |        |
| POWER FACTOR                          |                                   | %                                     | -                                            | -        | -        | 97                                  | 96          | 95          | -      | -     |        |
| NOISE INDOOR<br>(H/M/L)               |                                   | dB-A                                  | 45/39/33                                     |          |          |                                     |             |             |        |       |        |
|                                       |                                   | Power Level dB                        | 63/56/50                                     |          |          |                                     |             |             |        |       |        |
| 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                                            | 0.75     | 0.73     | 0.73                                | 15.9        | 15.4        | 14.9   | -     | -      |
|                                       | INPUT POWER                       |                                       | W                                            | 100      | 100      | 100                                 | 3.400k      | 3.400k      | 3.400k | -     | -      |
|                                       |                                   |                                       | TOTAL W                                      | -        |          |                                     | 3.500k      | 3.500k      | 3.500k | 900   | 5.200k |
|                                       | COP/COP CLASS                     |                                       | TOTAL(W/W)※5("A"~"G")                        | -        | -        | -                                   | 4.00        | 4.00 / A    | 4.00   | 4.56  | 3.08   |
|                                       | Erp<br>※6                         | Pdsign                                | kW                                           | -        | -        | -                                   | -           | -           | -      |       |        |
|                                       |                                   | Tbivalen                              | °C                                           | -        | -        | -                                   | -           | -           | -      |       |        |
|                                       |                                   | SCOP                                  | (W/W)                                        | -        | -        | -                                   | -           | -           | -      |       |        |
|                                       |                                   | Annual consumption                    | kWh                                          | -        | -        | -                                   | -           | -           | -      |       |        |
|                                       | Class                             |                                       |                                              | -        | -        | -                                   | -           | -           | -      |       |        |
|                                       | POWER FACTOR                      |                                       | %                                            | -        | -        | -                                   | 97          | 96          | 95     | -     | -      |
|                                       | NOISE INDOOR<br>(H/M/L)           |                                       | dB-A                                         | 45/39/33 |          |                                     | -           |             |        | /     | /      |
|                                       |                                   |                                       | Power Level dB                               | 63/56/50 |          |                                     | -           |             |        |       |        |
|                                       | 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)     |                                   |                                       | 0.77/100                                     | 0.76/100 | 0.73/100 | 28.0/6.000k                         | 28.0/6.200k | 28.0/6.400k | /      |       |        |
| STARTING CURRENT(A)/COMP OUTPUT(W)    |                                   |                                       | -                                            | -        | -        | 15.9/3.0k                           | 15.4/3.0k   | 14.9/3.0k   | /      |       |        |
| NETWORK IMPEDANCE (ΩMAX.)             |                                   |                                       | -                                            |          |          | -                                   |             |             |        |       |        |
| FM OUTPUT (W)                         |                                   |                                       | 90                                           |          |          | 90x2                                |             |             | /      |       |        |
| MOISTURE REMOVAL VOLUME               |                                   | L/h(Pt/h)                             | 7.9                                          | (16.6)   |          | -                                   |             |             |        |       |        |
| External static pressure              |                                   | Pa                                    | -                                            |          |          |                                     |             |             |        |       |        |
| I/D AIR FLOW                          | COOL                              | m³/min (ft³/min)                      | 35/28/22 (1236/989/777)                      |          |          |                                     |             |             |        |       |        |
|                                       | HEAT                              | m³/min (ft³/min)                      | 35/28/22 (1236/989/777)                      |          |          |                                     |             |             |        |       |        |
| 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)                   | 319 (12-9/16)                                |          |          | 1416 (55-3/4)                       |             |             | /      |       |        |
|                                       | I                                 | WIDTH : W mm(inch)                    | 840 (33-3/32)                                |          |          | 940 (37-1/32)                       |             |             | /      |       |        |
|                                       | M                                 | DEPTH : D mm(inch)                    | 840 (33-3/32)                                |          |          | 340 (13-13/32)                      |             |             | /      |       |        |
| P<br>A<br>C<br>M                      | D                                 | HEIGHT : H mm                         | 361                                          |          |          | 1556                                |             |             | /      |       |        |
|                                       | I                                 | WIDTH : W mm                          | 929                                          |          |          | 1055                                |             |             | /      |       |        |
|                                       | M                                 | DEPTH : D mm                          | 929                                          |          |          | 485                                 |             |             | /      |       |        |
| MASS                                  |                                   | (NET) kg(lb)                          | 27 (60)                                      |          |          | 98 (216)                            |             |             | /      |       |        |
|                                       |                                   | (GROSS) kg(lb)                        | 34 (75)                                      |          |          | 108 (238)                           |             |             | /      |       |        |
| LAYERS LIMIT (actually)               |                                   |                                       | 11 (12)                                      |          |          | 1 (2)                               |             |             |        |       |        |
| 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)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

#### 1. 4-Way Cassette Type S-140PU1E5A / U-140PE1E5A

|                                       |                                       |                     |                         |                          |                                                |          |                |                                     |             |             |       |        |   |
|---------------------------------------|---------------------------------------|---------------------|-------------------------|--------------------------|------------------------------------------------|----------|----------------|-------------------------------------|-------------|-------------|-------|--------|---|
| INDOOR                                |                                       |                     | MODEL                   |                          | S-140PU1E5A                                    |          |                |                                     |             |             |       |        |   |
| PANEL                                 |                                       |                     | MODEL                   |                          | CZ-KPU21                                       |          |                |                                     |             |             |       |        |   |
| OUTDOOR                               |                                       |                     | MODEL                   |                          |                                                |          |                | U-140PE1E5A                         |             |             |       |        |   |
| Branch pipe                           |                                       |                     | MODEL                   |                          |                                                |          |                | -                                   |             |             |       |        |   |
| PERFORMANCE TEST CONDITION            |                                       |                     |                         |                          | ISO5151 / 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                       |                          | 0.90                                           | 0.89     | 0.87           | 19.6                                | 19.0        | 18.4        | -     | -      |   |
|                                       | INPUT POWER                           |                     | W                       |                          | 115                                            | 115      | 115            | 4.195k                              | 4.195k      | 4.195k      | -     | -      |   |
|                                       |                                       |                     | TOTAL W                 |                          |                                                |          |                | 4.310k                              | 4.310k      | 4.310k      | 840   | 6.000k |   |
|                                       | ANNUAL CONSUMPTION                    |                     | 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                          |                                       |                     | %                       |                          | -                                              | -        | -              | 97                                  | 96          | 95          | -     | -      |   |
| NOISE INDOOR<br>(H/M/L)               |                                       |                     | dB-A                    |                          | 46/40/34                                       |          |                |                                     |             |             |       |        |   |
|                                       |                                       |                     | Power Level dB          |                          | 64/57/51                                       |          |                |                                     |             |             |       |        |   |
| 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                       |                          | 0.83                                           | 0.80     | 0.79           | 19.8                                | 19.2        | 18.6        | -     | -      |   |
|                                       | INPUT POWER                           |                     | W                       |                          | 105                                            | 105      | 105            | 4.225k                              | 4.225k      | 4.225k      | -     | -      |   |
|                                       |                                       |                     | TOTAL W                 |                          |                                                |          |                | 4.330k                              | 4.330k      | 4.330k      | 900   | 5.900k |   |
|                                       | COP/COP CLASS                         |                     | TOTAL(W/W) ※5/("A"~"G") |                          | -                                              | -        | -              | 3.70                                | 3.70 / A    | 3.70        | 4.56  | 3.05   |   |
|                                       | Erp<br>※6                             | Pdsign              |                         | kW                       |                                                | -        | -              | -                                   | -           | -           | -     | -      | - |
|                                       |                                       | Tbivalen            |                         | °C                       |                                                | -        | -              | -                                   | -           | -           | -     |        |   |
|                                       |                                       | SCOP                |                         | (W/W)                    |                                                | -        | -              | -                                   | -           | -           | -     |        |   |
|                                       |                                       | Annual consumption  |                         | kWh                      |                                                | -        | -              | -                                   | -           | -           | -     |        |   |
|                                       | Class                                 |                     |                         |                          | -                                              | -        | -              | -                                   | -           | -           | -     |        |   |
|                                       | POWER FACTOR                          |                     |                         | %                        |                                                | -        | -              | -                                   | 97          | 96          | 95    | -      | - |
|                                       | NOISE INDOOR<br>(H/M/L)               |                     |                         | dB-A                     |                                                | 46/40/34 |                |                                     |             |             |       | /      | / |
|                                       |                                       |                     |                         | Power Level dB           |                                                | 64/57/51 |                |                                     |             |             |       |        |   |
| 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)     |                                       |                     |                         |                          | 0.90/115                                       | 0.89/115 | 0.87/115       | 30.0/6.450k                         | 30.0/6.650k | 30.0/6.850k | /     |        |   |
| STARTING CURRENT(A)/COMP OUTPUT(W)    |                                       |                     |                         |                          | -                                              | -        | -              | 19.8/3.0k                           | 19.2/3.0k   | 18.6/3.0k   | /     |        |   |
| NETWORK IMPEDANCE (ΩMAX.)             |                                       |                     |                         |                          |                                                |          |                |                                     |             |             |       |        |   |
| FM OUTPUT (W)                         |                                       |                     |                         |                          | 90                                             |          |                | 90x2                                |             |             | /     |        |   |
| MOISTURE REMOVAL VOLUME               |                                       |                     |                         |                          | L/h(Pt/h)                                      |          | 9.0            | (18.9)                              |             |             |       |        |   |
| External static pressure              |                                       |                     |                         |                          | Pa                                             |          |                |                                     |             |             |       |        |   |
| I/D AIR FLOW                          | COOL                                  | m³/min (ft³/min)    |                         | 36/29/23 (1271/1024/812) |                                                |          |                |                                     |             |             |       |        |   |
| FLOW                                  | HEAT                                  | m³/min (ft³/min)    |                         | 36/29/23 (1271/1024/812) |                                                |          |                |                                     |             |             |       |        |   |
| 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) |                         | 319 (12-9/16)            |                                                |          | 1416 (55-3/4)  |                                     |             |             | /     |        |   |
| R                                     | I                                     | WIDTH : W mm(inch)  |                         | 840 (33-3/32)            |                                                |          | 940 (37-1/32)  |                                     |             |             | /     |        |   |
| O                                     | M                                     | DEPTH : D mm(inch)  |                         | 840 (33-3/32)            |                                                |          | 340 (13-13/32) |                                     |             |             | /     |        |   |
| P                                     | D                                     | HEIGHT : H mm       |                         | 361                      |                                                |          | 1556           |                                     |             |             | /     |        |   |
| A                                     | I                                     | WIDTH : W mm        |                         | 929                      |                                                |          | 1055           |                                     |             |             | /     |        |   |
| C                                     | M                                     | DEPTH : D mm        |                         | 929                      |                                                |          | 485            |                                     |             |             | /     |        |   |
| MASS                                  |                                       | (NET) kg(lb)        |                         | 27 (60)                  |                                                |          | 98 (216)       |                                     |             |             | /     |        |   |
|                                       |                                       | (GROSS) kg(lb)      |                         | 34 (75)                  |                                                |          | 108 (238)      |                                     |             |             | /     |        |   |
| LAYERS LIMIT (actually)               |                                       |                     |                         |                          | 11 (12)                                        |          |                | 1 (2)                               |             |             |       |        |   |
| 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>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

#### 1. 4-Way Cassette Type S-36PU1E5A×2 / U-71PE1E8A

|                                       |                                   |                     |                                                |             |              |                                     |            |            |          |        |  |
|---------------------------------------|-----------------------------------|---------------------|------------------------------------------------|-------------|--------------|-------------------------------------|------------|------------|----------|--------|--|
| INDOOR                                |                                   |                     | MODEL                                          |             | S-36PU1E5A×2 |                                     |            |            |          |        |  |
| PANEL                                 |                                   |                     | MODEL                                          |             | CZ-KPU21×2   |                                     |            |            |          |        |  |
| OUTDOOR                               |                                   |                     | MODEL                                          |             |              |                                     |            | -          |          |        |  |
| Branch pipe                           |                                   |                     | MODEL                                          |             |              |                                     |            | U-71PE1E8A |          |        |  |
|                                       |                                   |                     |                                                |             |              |                                     |            | CZ-P155BK1 |          |        |  |
| PERFORMANCE TEST CONDITION            |                                   |                     | ISO5151 / EN14511 / EN14825 / EN12102          |             |              |                                     |            |            |          |        |  |
| POWER SUPPLY                          |                                   |                     | ø, Hz                                          |             | 1ø 50Hz      |                                     |            | 3ø 50Hz    |          |        |  |
|                                       |                                   |                     | V                                              |             | 220          | 230                                 | 240        | 380        | 400      | 415    |  |
| C<br>O<br>O<br>L<br>I<br>N<br>G       | CAPACITY                          |                     | kW                                             |             | 7.1          | 7.1                                 | 7.1        |            |          |        |  |
|                                       |                                   |                     | BTU/h                                          |             | 24200        | 24200                               | 24200      |            |          |        |  |
|                                       | CURRENT                           |                     | A                                              |             | 0.19×2       | 0.19×2                              | 0.18×2     | 2.80       | 2.70     | 2.60   |  |
|                                       | INPUT POWER                       |                     | W                                              |             | 20×2         | 20×2                                | 20×2       | 1.760k     | 1.760k   | 1.760k |  |
|                                       |                                   |                     | TOTAL W                                        |             | -            |                                     |            | 1.800k     | 1.800k   | 1.800k |  |
|                                       | ANNUAL CONSUMPTION                |                     | TOTAL kWh ※4                                   |             | -            |                                     |            | -          | 900      | -      |  |
|                                       | EER/EER CLASS                     |                     | TOTAL(W/W)※5("A"~"G")                          |             | -            | -                                   | -          | 3.94       | 3.94 / A | 3.94   |  |
|                                       | Erp<br>※6                         | Pdsign              | kW                                             | -           | -            | -                                   | -          | 7.1        | -        |        |  |
|                                       |                                   | SEER                | (W/W)                                          | -           | -            | -                                   | -          | 6.8        | -        |        |  |
|                                       |                                   | Annual consumption  | kWh                                            | -           | -            | -                                   | -          | 365        | -        |        |  |
|                                       |                                   | Class               |                                                | -           | -            | -                                   | -          | A++        | -        |        |  |
| POWER FACTOR                          |                                   | %                   |                                                | -           | -            | -                                   | 96         | 94         | 94       |        |  |
| NOISE INDOOR<br>(H/M/L)               |                                   | dB-A                |                                                | 30/28/27    |              |                                     |            |            |          |        |  |
|                                       |                                   | Power Level dB      |                                                | 47/45/44    |              |                                     |            |            |          |        |  |
| 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                                             |             | 8.0          | 8.0                                 | 8.0        |            |          |        |  |
|                                       |                                   |                     | BTU/h                                          |             | 27300        | 27300                               | 27300      |            |          |        |  |
|                                       | CURRENT                           |                     | A                                              |             | 0.17×2       | 0.17×2                              | 0.16×2     | 3.10       | 3.00     | 2.90   |  |
|                                       | INPUT POWER                       |                     | W                                              |             | 20×2         | 20×2                                | 20×2       | 1.960k     | 1.960k   | 1.960k |  |
|                                       |                                   |                     | TOTAL W                                        |             | -            |                                     |            | 2.000k     | 2.000k   | 2.000k |  |
|                                       | COP/COP CLASS                     |                     | TOTAL(W/W)※5("A"~"G")                          |             | -            | -                                   | -          | 4.00       | 4.00 / A | 4.00   |  |
|                                       | Erp<br>※6                         | Pdsign              | kW                                             | -           | -            | -                                   | -          | 7.1        | -        |        |  |
|                                       |                                   | Tbivalen            | °C                                             | -           | -            | -                                   | -          | -8         | -        |        |  |
|                                       |                                   | SCOP                | (W/W)                                          | -           | -            | -                                   | -          | 4.0        | -        |        |  |
|                                       |                                   | Annual consumption  | kWh                                            | -           | -            | -                                   | -          | 2485       | -        |        |  |
|                                       | POWER FACTOR                      |                     | %                                              |             | -            | -                                   | -          | 96         | 94       | 94     |  |
|                                       | NOISE INDOOR<br>(H/M/L)           |                     | dB-A                                           |             | 30/28/27     |                                     |            |            |          |        |  |
|                                       |                                   |                     | Power Level dB                                 |             | 47/45/44     |                                     |            |            |          |        |  |
|                                       | 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)     |                                   |                     | 0.19×2/20×2                                    | 0.19×2/20×2 | 0.18×2/20×2  | 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)                         |                                   |                     | 60×2                                           |             |              | 90                                  |            |            | /        |        |  |
| MOISTURE REMOVAL VOLUME               |                                   |                     | L/h(Pt/h)                                      | 4.2         | (2.1×2)      | (8.8)                               | -          |            |          |        |  |
| External static pressure              |                                   |                     | Pa                                             | -           |              |                                     |            |            |          |        |  |
| I/D AIR FLOW                          | COOL                              | m³/min (ft³/min)    | [14/13/12 (494/459/424)]×2                     |             |              |                                     |            |            |          |        |  |
|                                       | HEAT                              | m³/min (ft³/min)    | [14/13/12 (494/459/424)]×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                                     | D                                 | HEIGHT : H mm(inch) | 256 (10-3/32)                                  |             |              | 996 (39-7/32)                       |            |            | /        |        |  |
| R                                     | I                                 | WIDTH : W mm(inch)  | 840 (33-3/32)                                  |             |              | 940 (37-1/32)                       |            |            | /        |        |  |
| O                                     | M                                 | DEPTH : D mm(inch)  | 840 (33-3/32)                                  |             |              | 340 (13-13/32)                      |            |            | /        |        |  |
| P                                     | D                                 | HEIGHT : H mm       | 298                                            |             |              | 1136                                |            |            | /        |        |  |
| A                                     | I                                 | WIDTH : W mm        | 929                                            |             |              | 1055                                |            |            | /        |        |  |
| C                                     | M                                 | DEPTH : D mm        | 929                                            |             |              | 485                                 |            |            | /        |        |  |
| MASS                                  | (NET) kg(lb)                      |                     | 23 (51)                                        |             |              | 71 (157)                            |            |            | /        |        |  |
|                                       | (GROSS) kg(lb)                    |                     | 29 (64)                                        |             |              | 79 (174)                            |            |            | /        |        |  |
| LAYERS LIMIT (actually)               |                                   |                     | 11 (12)                                        |             |              | 2 (3)                               |            |            |          |        |  |
| 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>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

#### 1. 4-Way Cassette Type S-36PU1E5A×3 / U-100PE1E8A

|                                       |                                       |                     |                            |                                                |             |                |                                     |             |             |       |        |   |
|---------------------------------------|---------------------------------------|---------------------|----------------------------|------------------------------------------------|-------------|----------------|-------------------------------------|-------------|-------------|-------|--------|---|
| INDOOR                                |                                       |                     | MODEL                      | S-36PU1E5A×3                                   |             |                |                                     |             |             |       |        |   |
| PANEL                                 |                                       |                     | MODEL                      | CZ-KPU21×3                                     |             |                |                                     |             |             |       |        |   |
| OUTDOOR                               |                                       |                     | MODEL                      |                                                |             |                | U-100PE1E8A                         |             |             |       |        |   |
| Branch pipe                           |                                       |                     | MODEL                      |                                                |             |                | CZ-P3HPC2                           |             |             |       |        |   |
| PERFORMANCE TEST CONDITION            |                                       |                     |                            | ISO5151 / 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                          | 0.19×3                                         | 0.19×3      | 0.18×3         | 3.75                                | 3.55        | 3.45        | -     | -      |   |
|                                       | INPUT POWER                           |                     | W                          | 20×3                                           | 20×3        | 20×3           | 2.320k                              | 2.320k      | 2.320k      | -     | -      |   |
|                                       |                                       |                     | TOTAL W                    | -                                              |             |                | 2.380k                              | 2.380k      | 2.380k      | 840   | 3.700k |   |
|                                       | ANNUAL CONSUMPTION                    |                     | TOTAL kWh ※4               | -                                              |             |                | -                                   | 1190        | -           | -     | -      |   |
|                                       | EER/EER CLASS                         |                     | TOTAL(W/W) ※5/(“A”~“G”)    | -                                              | -           | -              | 4.20                                | 4.20 / A    | 4.20        | 3.93  | 3.38   |   |
|                                       | Erp<br>※6                             | Pdsign              | kW                         | -                                              | -           | -              | -                                   | 10.0        | -           | -     | -      |   |
|                                       |                                       | SEER                | (W/W)                      | -                                              | -           | -              | -                                   | 6.5         | -           | -     | -      |   |
|                                       |                                       | Annual consumption  | kWh                        | -                                              | -           | -              | -                                   | 538         | -           | -     | -      |   |
| Class                                 |                                       |                     | -                          | -                                              | -           | -              | A++                                 | -           | -           | -     |        |   |
| POWER FACTOR                          |                                       |                     | %                          | -                                              | -           | -              | 94                                  | 94          | 94          | -     | -      |   |
| NOISE INDOOR<br>(H/M/L)               |                                       |                     | dB-A                       | 30/28/27                                       |             |                |                                     |             |             |       |        |   |
|                                       |                                       |                     | Power Level dB             | 47/45/44                                       |             |                |                                     |             |             |       |        |   |
| 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                          | 0.17×3                                         | 0.17×3      | 0.16×3         | 4.10                                | 3.90        | 3.80        | -     | -      |   |
|                                       | INPUT POWER                           |                     | W                          | 20×3                                           | 20×3        | 20×3           | 2.540k                              | 2.540k      | 2.540k      | -     | -      |   |
|                                       |                                       |                     | 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)                      | -                                              | -           | -              | -                                   | 4.2         | -           | -     | -      |   |
|                                       |                                       | Annual consumption  | kWh                        | -                                              | -           | -              | -                                   | 3333        | -           | -     | -      |   |
|                                       | Class                                 |                     | -                          | -                                              | -           | -              | A+                                  | -           | -           | -     | -      |   |
|                                       |                                       | POWER FACTOR        |                            |                                                | %           | -              | -                                   | -           | 94          | 94    | 93     | - |
|                                       | NOISE INDOOR<br>(H/M/L)               |                     |                            | dB-A                                           | 30/28/27    |                |                                     |             |             |       | /      | / |
|                                       |                                       |                     |                            | Power Level dB                                 | 47/45/44    |                |                                     |             |             |       |        |   |
|                                       | 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)     |                                       |                     |                            | 0.19×3/20×3                                    | 0.19×3/20×3 | 0.18×3/20×3    | 9.00/5.550k                         | 9.00/5.850k | 9.00/6.100k | /     |        |   |
| STARTING CURRENT(A)/COMP OUTPUT(W)    |                                       |                     |                            | -                                              | -           | -              | 4.10/3.0k                           | 3.90/3.0k   | 3.80/3.0k   | /     |        |   |
| NETWORK IMPEDANCE (ΩMAX.)             |                                       |                     |                            | -                                              |             |                | -                                   |             |             |       |        |   |
| FM OUTPUT (W)                         |                                       |                     |                            | 60×3                                           |             |                | 90×2                                |             |             | /     |        |   |
| MOISTURE REMOVAL VOLUME               |                                       |                     | L/h(Pt/h)                  | 6.0                                            | (2.0×3)     | (12.6)         | -                                   |             |             |       |        |   |
| External static pressure              |                                       |                     | Pa                         | -                                              |             |                |                                     |             |             |       |        |   |
| I/D AIR FLOW                          | COOL                                  | m³/min (ft³/min)    | [14/13/12 (494/459/424)]×3 |                                                |             |                |                                     |             |             |       |        |   |
|                                       | HEAT                                  | m³/min (ft³/min)    | [14/13/12 (494/459/424)]×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) | 256 (10-3/32)              |                                                |             | 1416 (55-3/4)  |                                     |             | /           |       |        |   |
|                                       | I                                     | WIDTH : W mm(inch)  | 840 (33-3/32)              |                                                |             | 940 (37-1/32)  |                                     |             | /           |       |        |   |
|                                       | M                                     | DEPTH : D mm(inch)  | 840 (33-3/32)              |                                                |             | 340 (13-13/32) |                                     |             | /           |       |        |   |
| P<br>A<br>C<br>M                      | D                                     | HEIGHT : H mm       | 298                        |                                                |             | 1556           |                                     |             | /           |       |        |   |
|                                       | I                                     | WIDTH : W mm        | 929                        |                                                |             | 1055           |                                     |             | /           |       |        |   |
|                                       | M                                     | DEPTH : D mm        | 929                        |                                                |             | 485            |                                     |             | /           |       |        |   |
| MASS                                  |                                       | (NET) kg(lb)        | 23 (51)                    |                                                |             | 98 (216)       |                                     |             | /           |       |        |   |
|                                       |                                       | (GROSS) kg(lb)      | 29 (64)                    |                                                |             | 108 (238)      |                                     |             | /           |       |        |   |
| LAYERS LIMIT (actually)               |                                       |                     |                            | 11 (12)                                        |             |                | 1 (2)                               |             |             |       |        |   |
| 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>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

#### 1. 4-Way Cassette Type S-36PU1E5A×4 / U-125PE1E8A

|                                       |                                   |                             |                       |                            |                                                |             |                |                                     |             |             |       |        |   |
|---------------------------------------|-----------------------------------|-----------------------------|-----------------------|----------------------------|------------------------------------------------|-------------|----------------|-------------------------------------|-------------|-------------|-------|--------|---|
| INDOOR                                |                                   |                             | MODEL                 |                            | S-36PU1E5A×4                                   |             |                |                                     |             |             |       |        |   |
| PANEL                                 |                                   |                             | MODEL                 |                            | CZ-KPU21×4                                     |             |                |                                     |             |             |       |        |   |
| OUTDOOR                               |                                   |                             | MODEL                 |                            |                                                |             |                | U-125PE1E8A                         |             |             |       |        |   |
| Branch pipe                           |                                   |                             | MODEL                 |                            |                                                |             |                | CZ-P155BK1×3                        |             |             |       |        |   |
| PERFORMANCE TEST CONDITION            |                                   |                             |                       |                            | ISO5151 / 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                     |                            | 0.19×4                                         | 0.19×4      | 0.18×4         | 5.50                                | 5.20        | 5.05        | -     | -      |   |
|                                       | INPUT POWER                       |                             | W                     |                            | 20×4                                           | 20×4        | 20×4           | 3.390k                              | 3.390k      | 3.390k      | -     | -      |   |
|                                       |                                   |                             | TOTAL W               |                            | -                                              |             |                | 3.470k                              | 3.470k      | 3.470k      | 840   | 4.600k |   |
|                                       | ANNUAL CONSUMPTION                |                             | TOTAL kWh ※4          |                            | -                                              |             |                | -                                   | 1735        | -           | -     | -      |   |
|                                       | EER/EER CLASS                     |                             | TOTAL(W/W)※5("A"~"G") |                            | -                                              | -           | -              | 3.60                                | 3.60 / A    | 3.60        | 3.93  | 3.04   |   |
|                                       | Erp<br>※6                         | Pdsign                      | kW                    |                            | -                                              | -           | -              | -                                   | -           | -           |       |        |   |
|                                       |                                   | SEER                        | (W/W)                 |                            | -                                              | -           | -              | -                                   | -           | -           |       |        |   |
|                                       |                                   | Annual consumption<br>Class | kWh                   |                            | -                                              | -           | -              | -                                   | -           | -           |       |        |   |
| POWER FACTOR                          |                                   |                             | %                     |                            | -                                              | -           | -              | 94                                  | 94          | 93          | -     | -      |   |
| NOISE INDOOR<br>(H/M/L)               |                                   |                             | dB-A                  |                            | 30/28/27                                       |             |                |                                     |             |             |       |        |   |
|                                       |                                   |                             | Power Level dB        |                            | 47/45/44                                       |             |                |                                     |             |             |       |        |   |
| 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                     |                            | 0.17×4                                         | 0.17×4      | 0.16×4         | 5.55                                | 5.25        | 5.10        | -     | -      |   |
|                                       | INPUT POWER                       |                             | W                     |                            | 20×4                                           | 20×4        | 20×4           | 3.420k                              | 3.420k      | 3.420k      | -     | -      |   |
|                                       |                                   |                             | TOTAL W               |                            | -                                              |             |                | 3.500k                              | 3.500k      | 3.500k      | 900   | 5.200k |   |
|                                       | COP/COP CLASS                     |                             | TOTAL(W/W)※5("A"~"G") |                            | -                                              | -           | -              | 4.00                                | 4.00 / A    | 4.00        | 4.56  | 3.08   |   |
|                                       | Erp<br>※6                         | Pdsign                      | kW                    |                            | -                                              | -           | -              | -                                   | -           | -           | -     | -      |   |
|                                       |                                   | Tbivalen                    | °C                    |                            | -                                              | -           | -              | -                                   | -           | -           | -     | -      |   |
|                                       |                                   | SCOP                        | (W/W)                 |                            | -                                              | -           | -              | -                                   | -           | -           | -     | -      |   |
|                                       |                                   | Annual consumption<br>Class | kWh                   |                            | -                                              | -           | -              | -                                   | -           | -           | -     | -      |   |
|                                       | POWER FACTOR                      |                             |                       | %                          |                                                | -           | -              | -                                   | 94          | 94          | 93    | -      | - |
|                                       | NOISE INDOOR<br>(H/M/L)           |                             |                       | dB-A                       |                                                | 30/28/27    |                |                                     |             |             |       | /      | / |
|                                       |                                   |                             |                       | Power Level dB             |                                                | 47/45/44    |                |                                     |             |             |       |        |   |
|                                       | 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)     |                                   |                             |                       |                            | 0.19×4/20×4                                    | 0.19×4/20×4 | 0.18×4/20×4    | 10.0/6.200k                         | 10.0/6.500k | 10.0/6.750k | /     |        |   |
| STARTING CURRENT(A)/COMP OUTPUT(W)    |                                   |                             |                       |                            | -                                              | -           | -              | 5.55/3.0k                           | 5.25/3.0k   | 5.10/3.0k   | /     |        |   |
| NETWORK IMPEDANCE (ΩMAX.)             |                                   |                             |                       |                            | -                                              |             |                | -                                   |             |             |       |        |   |
| FM OUTPUT (W)                         |                                   |                             |                       |                            | 60×4                                           |             |                | 90×2                                |             |             | /     |        |   |
| MOISTURE REMOVAL VOLUME               |                                   |                             | L/h(Pt/h)             |                            | 7.9                                            | (1.98×4)    | (16.6)         | -                                   |             |             |       |        |   |
| External static pressure              |                                   |                             | Pa                    |                            | -                                              |             |                |                                     |             |             |       |        |   |
| I/D AIR<br>FLOW                       | COOL                              | m³/min (ft³/min)            |                       | [14/13/12 (494/459/424)]×4 |                                                |             |                |                                     |             |             |       |        |   |
|                                       | HEAT                              | m³/min (ft³/min)            |                       | [14/13/12 (494/459/424)]×4 |                                                |             |                |                                     |             |             |       |        |   |
| O/D AIR<br>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)         |                       | 256 (10-3/32)              |                                                |             | 1416 (55-3/4)  |                                     |             | /           |       |        |   |
| R                                     | I                                 | WIDTH : W mm(inch)          |                       | 840 (33-3/32)              |                                                |             | 940 (37-1/32)  |                                     |             | /           |       |        |   |
| O                                     | M                                 | DEPTH : D mm(inch)          |                       | 840 (33-3/32)              |                                                |             | 340 (13-13/32) |                                     |             | /           |       |        |   |
| P                                     | D                                 | HEIGHT : H mm               |                       | 298                        |                                                |             | 1556           |                                     |             | /           |       |        |   |
| A                                     | I                                 | WIDTH : W mm                |                       | 929                        |                                                |             | 1055           |                                     |             | /           |       |        |   |
| C                                     | M                                 | DEPTH : D mm                |                       | 929                        |                                                |             | 485            |                                     |             | /           |       |        |   |
| MASS                                  | (NET) kg(lb)                      |                             | 23 (51)               |                            |                                                | 98 (216)    |                |                                     | /           |             |       |        |   |
|                                       | (GROSS) kg(lb)                    |                             | 29 (64)               |                            |                                                | 108 (238)   |                |                                     | /           |             |       |        |   |
| LAYERS LIMIT (actually)               |                                   |                             |                       |                            | 11 (12)                                        |             |                | 1 (2)                               |             |             |       |        |   |
| Operation<br>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>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

#### 1. 4-Way Cassette Type S-45PU1E5A×3 / U-125PE1E8A

|                                                      |                                   |                         |                        |                            |                                                |             |                |                                     |             |             |       |        |   |
|------------------------------------------------------|-----------------------------------|-------------------------|------------------------|----------------------------|------------------------------------------------|-------------|----------------|-------------------------------------|-------------|-------------|-------|--------|---|
| INDOOR                                               |                                   |                         | MODEL                  |                            | S-45PU1E5A×3                                   |             |                |                                     |             |             |       |        |   |
| PANEL                                                |                                   |                         | MODEL                  |                            | CZ-KPU21×3                                     |             |                |                                     |             |             |       |        |   |
| OUTDOOR                                              |                                   |                         | MODEL                  |                            |                                                |             |                | U-125PE1E8A                         |             |             |       |        |   |
| Branch pipe                                          |                                   |                         | MODEL                  |                            |                                                |             |                | CZ-P3HPC2                           |             |             |       |        |   |
| PERFORMANCE TEST CONDITION                           |                                   |                         |                        |                            | ISO5151 / 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                      |                            | 0.19×3                                         | 0.19×3      | 0.19×3         | 5.50                                | 5.25        | 5.05        | -     | -      |   |
|                                                      |                                   |                         | W                      |                            | 20×3                                           | 20×3        | 20×3           | 3.410k                              | 3.410k      | 3.410k      | -     | -      |   |
|                                                      | INPUT POWER                       |                         |                        |                            |                                                |             |                | 3.470k                              | 3.470k      | 3.470k      | 840   | 4.600k |   |
|                                                      |                                   |                         | TOTAL W                |                            |                                                |             |                |                                     |             |             |       |        |   |
|                                                      | ANNUAL CONSUMPTION                |                         | TOTAL kWh ※4           |                            |                                                |             |                |                                     | 1735        |             | -     | -      |   |
|                                                      | EER/EER CLASS                     |                         | TOTAL(W/W)※5/(“A”~“G”) |                            | -                                              | -           | -              | 3.60                                | 3.60 / A    | 3.60        | 3.93  | 3.04   |   |
|                                                      | 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                       |                                                | 31/28/27    |                |                                     |             |             |       |        |   |
| Power Level dB                                       |                                   |                         |                        | 48/45/44                   |                                                |             |                |                                     |             |             |       |        |   |
| 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                      |                            | 0.17×3                                         | 0.17×3      | 0.17×3         | 5.55                                | 5.30        | 5.10        | -     | -      |   |
|                                                      |                                   |                         | W                      |                            | 20×3                                           | 20×3        | 20×3           | 3.440k                              | 3.440k      | 3.440k      | -     | -      |   |
|                                                      | INPUT POWER                       |                         |                        |                            |                                                |             |                | 3.500k                              | 3.500k      | 3.500k      | 900   | 5.200k |   |
|                                                      |                                   |                         | TOTAL W                |                            |                                                |             |                |                                     |             |             |       |        |   |
|                                                      | COP/COP CLASS                     |                         | TOTAL(W/W)※5/(“A”~“G”) |                            | -                                              | -           | -              | 4.00                                | 4.00 / A    | 4.00        | 4.56  | 3.08   |   |
|                                                      | Erp<br>※6                         | Pdsign                  | kW                     |                            | -                                              | -           | -              | -                                   | -           | -           | -     | -      |   |
|                                                      |                                   | Tbivalen                | °C                     |                            | -                                              | -           | -              | -                                   | -           | -           | -     | -      |   |
|                                                      |                                   | SCOP                    | (W/W)                  |                            | -                                              | -           | -              | -                                   | -           | -           | -     | -      |   |
|                                                      |                                   | Annual consumption      | kWh                    |                            | -                                              | -           | -              | -                                   | -           | -           | -     | -      |   |
|                                                      | POWER FACTOR                      |                         |                        | %                          |                                                | -           | -              | -                                   | 94          | 94          | 94    | -      | - |
|                                                      |                                   | NOISE INDOOR<br>(H/M/L) |                        |                            | dB-A                                           |             | 31/28/27       |                                     |             |             |       |        | / |
|                                                      | Power Level dB                    |                         |                        |                            | 48/45/44                                       |             |                |                                     |             |             |       |        |   |
| 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)                    |                                   |                         |                        |                            | 0.19×3/20×3                                    | 0.19×3/20×3 | 0.18×3/20×3    | 10.0/6.200k                         | 10.0/6.500k | 10.0/6.750k | /     |        |   |
| STARTING CURRENT(A)/COMP OUTPUT(W)                   |                                   |                         |                        |                            | -                                              | -           | -              | 5.55/3.0k                           | 5.30/3.0k   | 5.10/3.0k   | /     |        |   |
| NETWORK IMPEDANCE (ΩMAX.)                            |                                   |                         |                        |                            |                                                |             |                |                                     |             |             |       |        |   |
| FM OUTPUT (W)                                        |                                   |                         |                        |                            | 60×3                                           |             |                | 90×2                                |             |             | /     |        |   |
| MOISTURE REMOVAL VOLUME                              |                                   |                         | L/h(Pt/h)              |                            | 7.9                                            | (2.63×3)    | (16.6)         |                                     |             |             |       |        |   |
| External static pressure                             |                                   |                         | Pa                     |                            |                                                |             |                |                                     |             |             |       |        |   |
| I/D AIR FLOW                                         | COOL                              | m³/min (ft³/min)        |                        | [15/13/12 (530/459/424)]×3 |                                                |             |                |                                     |             |             |       |        |   |
|                                                      | HEAT                              | m³/min (ft³/min)        |                        | [15/13/12 (530/459/424)]×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)     |                        | 256 (10-3/32)              |                                                |             | 1416 (55-3/4)  |                                     |             | /           |       |        |   |
|                                                      |                                   | WIDTH : W mm(inch)      |                        | 840 (33-3/32)              |                                                |             | 940 (37-1/32)  |                                     |             | /           |       |        |   |
|                                                      |                                   | DEPTH : D mm(inch)      |                        | 840 (33-3/32)              |                                                |             | 340 (13-13/32) |                                     |             | /           |       |        |   |
| P<br>A<br>C<br>M                                     | D<br>I<br>M                       | HEIGHT : H mm           |                        | 298                        |                                                |             | 1556           |                                     |             | /           |       |        |   |
|                                                      |                                   | WIDTH : W mm            |                        | 929                        |                                                |             | 1055           |                                     |             | /           |       |        |   |
|                                                      |                                   | DEPTH : D mm            |                        | 929                        |                                                |             | 485            |                                     |             | /           |       |        |   |
| MASS                                                 | (NET) kg(lb)                      |                         | 23 (51)                |                            |                                                | 98 (216)    |                |                                     | /           |             |       |        |   |
|                                                      | (GROSS) kg(lb)                    |                         | 29 (64)                |                            |                                                | 108 (238)   |                |                                     | /           |             |       |        |   |
| LAYERS LIMIT (actually)                              |                                   |                         |                        |                            | 11 (12)                                        |             |                | 1 (2)                               |             |             |       |        |   |
| 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>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

#### 1. 4-Way Cassette Type S-50PU1E5A×2 / U-100PE1E8A

|                                                      |                                   |                             |                                                |             |              |                                     |             |             |          |        |       |        |
|------------------------------------------------------|-----------------------------------|-----------------------------|------------------------------------------------|-------------|--------------|-------------------------------------|-------------|-------------|----------|--------|-------|--------|
| INDOOR                                               |                                   |                             | MODEL                                          |             | S-50PU1E5A×2 |                                     |             |             |          |        |       |        |
| PANEL                                                |                                   |                             | MODEL                                          |             | CZ-KPU21×2   |                                     |             |             |          |        |       |        |
| OUTDOOR                                              |                                   |                             | MODEL                                          |             |              |                                     |             | -           |          |        |       |        |
| Branch pipe                                          |                                   |                             | MODEL                                          |             |              |                                     |             | U-100PE1E8A |          |        |       |        |
|                                                      |                                   |                             |                                                |             |              |                                     |             | CZ-P155BK1  |          |        |       |        |
| PERFORMANCE TEST CONDITION                           |                                   |                             | ISO5151 / 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                                              |             | 0.22×2       | 0.22×2                              | 0.21×2      | 3.75        | 3.55     | 3.45   | -     | -      |
|                                                      | INPUT POWER                       |                             | W                                              |             | 25×2         | 25×2                                | 25×2        | 2.330k      | 2.330k   | 2.330k | -     | -      |
|                                                      |                                   |                             | TOTAL W                                        |             | -            |                                     |             | 2.380k      | 2.380k   | 2.380k | 840   | 3.700k |
|                                                      | ANNUAL CONSUMPTION                |                             | TOTAL kWh ※4                                   |             | -            |                                     |             | -           | 1190     | -      | -     | -      |
|                                                      | EER/EER CLASS                     |                             | TOTAL(W/W)※5("A"~"G")                          |             | -            | -                                   | -           | 4.20        | 4.20 / A | 4.20   | 3.93  | 3.38   |
|                                                      | Erp<br>※6                         | Pdsign                      | kW                                             | -           | -            | -                                   | -           | 10.0        | -        |        |       |        |
|                                                      |                                   | SEER                        | (W/W)                                          | -           | -            | -                                   | -           | 6.5         | -        |        |       |        |
|                                                      |                                   | Annual consumption<br>Class | kWh                                            | -           | -            | -                                   | -           | 538         | -        |        |       |        |
|                                                      | POWER FACTOR                      |                             | %                                              |             | -            | -                                   | -           | 94          | 95       | 94     | -     | -      |
| NOISE INDOOR<br>(H/M/L)                              |                                   | dB-A                        |                                                | 32/29/27    |              |                                     |             |             |          |        |       |        |
|                                                      |                                   | Power Level dB              |                                                | 49/46/44    |              |                                     |             |             |          |        |       |        |
| 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                                              |             | 0.20×2       | 0.20×2                              | 0.19×2      | 4.10        | 3.90     | 3.80   | -     | -      |
|                                                      | INPUT POWER                       |                             | W                                              |             | 25×2         | 25×2                                | 25×2        | 2.550k      | 2.550k   | 2.550k | -     | -      |
|                                                      |                                   |                             | 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)                                          | -           | -            | -                                   | -           | 4.2         | -        |        |       |        |
|                                                      |                                   | Annual consumption          | kWh                                            | -           | -            | -                                   | -           | 3333        | -        |        |       |        |
|                                                      |                                   | Class                       | -                                              | -           | -            | -                                   | -           | A+          | -        |        |       |        |
|                                                      | POWER FACTOR                      |                             | %                                              |             | -            | -                                   | -           | 94          | 94       | 93     | -     | -      |
|                                                      | NOISE INDOOR<br>(H/M/L)           |                             | dB-A                                           |             | 32/29/27     |                                     |             |             |          |        | /     | /      |
|                                                      |                                   |                             | Power Level dB                                 |             | 49/46/44     |                                     |             |             |          |        |       |        |
| 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)                    |                                   |                             | 0.22×2/25×2                                    | 0.22×2/25×2 | 0.21×2/25×2  | 9.00/5.550k                         | 9.00/5.850k | 9.00/6.100k | /        |        |       |        |
| STARTING CURRENT(A)/COMP OUTPUT(W)                   |                                   |                             | -                                              | -           | -            | 4.10/3.0k                           | 3.90/3.0k   | 3.80/3.0k   | /        |        |       |        |
| NETWORK IMPEDANCE (ΩMAX.)                            |                                   |                             | -                                              |             |              | -                                   |             |             |          |        |       |        |
| FM OUTPUT (W)                                        |                                   |                             | 60×2                                           |             |              | 90×2                                |             |             | /        |        |       |        |
| MOISTURE REMOVAL VOLUME                              |                                   |                             | L/h(Pt/h)                                      | 6.0         | (3.0×2)      | (12.6)                              | -           |             |          |        |       |        |
| External static pressure                             |                                   |                             | Pa                                             | -           |              |                                     |             |             |          |        |       |        |
| I/D AIR FLOW                                         | COOL                              | m³/min (ft³/min)            | [16/13.5/12 (565/477/424)]×2                   |             |              |                                     |             |             |          |        |       |        |
|                                                      | HEAT                              | m³/min (ft³/min)            | [16/13.5/12 (565/477/424)]×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 D                                                  | HEIGHT : H mm(inch)               |                             | 256 (10-3/32)                                  |             |              | 1416 (55-3/4)                       |             |             | /        |        |       |        |
| R I                                                  | WIDTH : W mm(inch)                |                             | 840 (33-3/32)                                  |             |              | 940 (37-1/32)                       |             |             | /        |        |       |        |
| O M                                                  | DEPTH : D mm(inch)                |                             | 840 (33-3/32)                                  |             |              | 340 (13-13/32)                      |             |             | /        |        |       |        |
| P D                                                  | HEIGHT : H mm                     |                             | 298                                            |             |              | 1556                                |             |             | /        |        |       |        |
| A I                                                  | WIDTH : W mm                      |                             | 929                                            |             |              | 1055                                |             |             | /        |        |       |        |
| C M                                                  | DEPTH : D mm                      |                             | 929                                            |             |              | 485                                 |             |             | /        |        |       |        |
| MASS                                                 | (NET) kg(lb)                      |                             | 23 (51)                                        |             |              | 98 (216)                            |             |             | /        |        |       |        |
|                                                      | (GROSS) kg(lb)                    |                             | 29 (64)                                        |             |              | 108 (238)                           |             |             | /        |        |       |        |
| LAYERS LIMIT (actually)                              |                                   |                             | 11 (12)                                        |             |              | 1 (2)                               |             |             |          |        |       |        |
| 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>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

#### 1. 4-Way Cassette Type S-50PU1E5A×3 / U-140PE1E8A

|                                    |                                       |                       |                                                |             |             |                                     |             |             |       |        |
|------------------------------------|---------------------------------------|-----------------------|------------------------------------------------|-------------|-------------|-------------------------------------|-------------|-------------|-------|--------|
| INDOOR                             |                                       | MODEL                 | S-50PU1E5A×3                                   |             |             |                                     |             |             |       |        |
| PANEL                              |                                       | MODEL                 | CZ-KPU21×3                                     |             |             |                                     |             |             |       |        |
| OUTDOOR                            |                                       | MODEL                 |                                                |             |             | U-140PE1E8A                         |             |             |       |        |
| Branch pipe                        |                                       | MODEL                 |                                                |             |             | CZ-P3HPC2                           |             |             |       |        |
| PERFORMANCE TEST CONDITION         |                                       |                       | ISO5151 / 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                     | 0.22×3                                         | 0.22×3      | 0.21×3      | 6.80                                | 6.50        | 6.25        | -     | -      |
|                                    | INPUT POWER                           | W                     | 25×3                                           | 25×3        | 25×3        | 4.235k                              | 4.235k      | 4.235k      | -     | -      |
|                                    |                                       | TOTAL W               |                                                |             |             | 4.310k                              | 4.310k      | 4.310k      | 840   | 6.000k |
|                                    | ANNUAL CONSUMPTION                    | 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                       | %                                     | -                     | -                                              | -           | 95          | 94                                  | 94          | -           | -     |        |
| NOISE INDOOR<br>(H/M/L)            | dB-A                                  | 32/29/27              |                                                |             |             |                                     |             |             |       |        |
|                                    | Power Level dB                        | 49/46/44              |                                                |             |             |                                     |             |             |       |        |
| 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                     | 0.20×3                                         | 0.20×3      | 0.19×3      | 6.90                                | 6.55        | 6.30        | -     | -      |
|                                    | INPUT POWER                           | W                     | 25×3                                           | 25×3        | 25×3        | 4.255k                              | 4.255k      | 4.255k      | -     | -      |
|                                    |                                       | TOTAL W               |                                                |             |             | 4.330k                              | 4.330k      | 4.330k      | 900   | 5.900k |
|                                    | COP/COP CLASS                         | TOTAL(W/W)※5("A"~"G") | -                                              | -           | -           | 3.70                                | 3.70 / A    | 3.70        | 4.56  | 3.05   |
|                                    | Erp<br>※6                             | Pdsign                | kW                                             | -           | -           | -                                   | -           | -           | -     | -      |
|                                    |                                       | Tbivalen              | °C                                             | -           | -           | -                                   | -           | -           | -     |        |
|                                    |                                       | SCOP                  | (W/W)                                          | -           | -           | -                                   | -           | -           | -     |        |
|                                    |                                       | Annual consumption    | kWh                                            | -           | -           | -                                   | -           | -           | -     |        |
|                                    | Class                                 |                       | -                                              | -           | -           | -                                   | -           | -           |       |        |
|                                    | POWER FACTOR                          | %                     | -                                              | -           | -           | 94                                  | 94          | 94          | -     | -      |
|                                    | NOISE INDOOR<br>(H/M/L)               | dB-A                  | 32/29/27                                       |             |             |                                     |             |             | /     | /      |
| Power Level dB                     |                                       | 49/46/44              |                                                |             |             |                                     |             |             |       |        |
| 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)  |                                       |                       | 0.22×3/25×3                                    | 0.22×3/25×3 | 0.21×3/25×3 | 11.0/6.800k                         | 11.0/7.150k | 11.0/7.450k | /     |        |
| STARTING CURRENT(A)/COMP OUTPUT(W) |                                       |                       | -                                              | -           | -           | 6.90/3.0k                           | 6.55/3.0k   | 6.30/3.0k   | /     |        |
| NETWORK IMPEDANCE (ΩMAX.)          |                                       |                       |                                                |             |             |                                     |             |             |       |        |
| FM OUTPUT (W)                      |                                       |                       | 60×3                                           |             |             | 90×2                                |             |             | /     |        |
| MOISTURE REMOVAL VOLUME            |                                       |                       | L/h(Pt/h)                                      | 9.0         | (3.0×3)     | (18.9)                              |             |             |       |        |
| External static pressure           |                                       |                       | Pa                                             |             |             |                                     |             |             |       |        |
| I/D AIR FLOW                       | COOL                                  | m³/min (ft³/min)      | [16/13.5/12 (565/477/424)]×3                   |             |             |                                     |             |             |       |        |
|                                    | HEAT                                  | m³/min (ft³/min)      | [16/13.5/12 (565/477/424)]×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                   | HEIGHT : H mm(inch)                   |                       | 256                                            | (10-3/32)   |             | 1416 (55-3/4)                       |             |             | /     |        |
|                                    | WIDTH : W mm(inch)                    |                       | 840                                            | (33-3/32)   |             | 940 (37-1/32)                       |             |             | /     |        |
|                                    | DEPTH : D mm(inch)                    |                       | 840                                            | (33-3/32)   |             | 340 (13-13/32)                      |             |             | /     |        |
| P<br>A<br>C<br>M                   | HEIGHT : H mm                         |                       | 298                                            |             |             | 1556                                |             |             | /     |        |
|                                    | WIDTH : W mm                          |                       | 929                                            |             |             | 1055                                |             |             | /     |        |
|                                    | DEPTH : D mm                          |                       | 929                                            |             |             | 485                                 |             |             | /     |        |
| MASS                               | (NET) kg(lb)                          |                       | 23                                             | (51)        |             | 98 (216)                            |             |             | /     |        |
|                                    | (GROSS) kg(lb)                        |                       | 29                                             | (64)        |             | 108 (238)                           |             |             | /     |        |
| LAYERS LIMIT (actually)            |                                       |                       | 11                                             | (12)        |             | 1 (2)                               |             |             |       |        |
| 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>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)              |             |             |       |        |
| P<br>I<br>P<br>I<br>N<br>G         | 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)                         |             |             |       |        |
| P<br>I<br>P<br>I<br>N<br>G         | 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

#### 1. 4-Way Cassette Type S-60PU1E5A×2 / U-125PE1E8A

|                                    |                                       |                         |                            |                                                |                |                |                                     |             |             |       |        |   |   |
|------------------------------------|---------------------------------------|-------------------------|----------------------------|------------------------------------------------|----------------|----------------|-------------------------------------|-------------|-------------|-------|--------|---|---|
| INDOOR                             |                                       |                         | MODEL                      | S-60PU1E5A×2                                   |                |                |                                     |             |             |       |        |   |   |
| PANEL                              |                                       |                         | MODEL                      | CZ-KPU21×2                                     |                |                |                                     |             |             |       |        |   |   |
| OUTDOOR                            |                                       |                         | MODEL                      |                                                |                |                | U-125PE1E8A                         |             |             |       |        |   |   |
| Branch pipe                        |                                       |                         | MODEL                      |                                                |                |                | CZ-P155BK1                          |             |             |       |        |   |   |
| PERFORMANCE TEST CONDITION         |                                       |                         |                            | ISO5151 / 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                          | 0.32×2                                         | 0.31×2         | 0.30×2         | 5.50                                | 5.20        | 5.05        | -     | -      |   |   |
|                                    | INPUT POWER                           |                         | W                          | 35×2                                           | 35×2           | 35×2           | 3.400k                              | 3.400k      | 3.400k      | -     | -      |   |   |
|                                    |                                       |                         | TOTAL W                    |                                                |                |                | 3.470k                              | 3.470k      | 3.470k      | 840   | 4.600k |   |   |
|                                    | ANNUAL CONSUMPTION                    |                         | TOTAL kWh ※4               |                                                |                |                | -                                   | 1735        | -           | -     | -      |   |   |
|                                    | EER/EER CLASS                         |                         | TOTAL(W/W)※5/("A"~"G")     | -                                              | -              | -              | 3.60                                | 3.60 / A    | 3.60        | 3.93  | 3.04   |   |   |
|                                    | 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                       | 36/31/28                                       |                |                |                                     |             |             |       |        |   |   |
|                                    |                                       |                         | Power Level dB             | 53/48/45                                       |                |                |                                     |             |             |       |        |   |   |
| 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                          | 0.30×2                                         | 0.30×2         | 0.29×2         | 5.55                                | 5.25        | 5.10        | -     | -      |   |   |
|                                    | INPUT POWER                           |                         | W                          | 35×2                                           | 35×2           | 35×2           | 3.430k                              | 3.430k      | 3.430k      | -     | -      |   |   |
|                                    |                                       |                         | TOTAL W                    |                                                |                |                | 3.500k                              | 3.500k      | 3.500k      | 900   | 5.200k |   |   |
|                                    | COP/COP CLASS                         |                         | TOTAL(W/W)※5/("A"~"G")     | -                                              | -              | -              | 4.00                                | 4.00 / A    | 4.00        | 4.56  | 3.08   |   |   |
|                                    | Erp<br>※6                             | Pdsign                  | kW                         | -                                              | -              | -              | -                                   | -           | -           | -     | -      |   |   |
|                                    |                                       | Tbivalen                | °C                         | -                                              | -              | -              | -                                   | -           | -           |       |        |   |   |
|                                    |                                       | SCOP                    | (W/W)                      | -                                              | -              | -              | -                                   | -           | -           |       |        |   |   |
|                                    |                                       | Annual consumption      | kWh                        | -                                              | -              | -              | -                                   | -           | -           |       |        |   |   |
|                                    | Class                                 |                         | -                          | -                                              | -              | -              | -                                   | -           | -           |       |        |   |   |
|                                    |                                       | POWER FACTOR            |                            |                                                | %              | -              | -                                   | -           | 94          | 94    | -      | - |   |
|                                    |                                       | NOISE INDOOR<br>(H/M/L) |                            |                                                | dB-A           | 36/31/28       |                                     |             |             |       |        | / | / |
|                                    |                                       |                         |                            |                                                | Power Level dB | 53/48/45       |                                     |             |             |       |        |   |   |
|                                    | 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)  |                                       |                         |                            | 0.32×2/35×2                                    | 0.31×2/35×2    | 0.30×2/35×2    | 10.0/6.200k                         | 10.0/6.500k | 10.0/6.750k | /     |        |   |   |
| STARTING CURRENT(A)/COMP OUTPUT(W) |                                       |                         |                            | -                                              | -              | -              | 5.55/3.0k                           | 5.25/3.0k   | 5.10/3.0k   | /     |        |   |   |
| NETWORK IMPEDANCE (ΩMAX.)          |                                       |                         |                            |                                                |                |                |                                     |             |             |       |        |   |   |
| FM OUTPUT (W)                      |                                       |                         |                            | 60×2                                           |                |                | 90×2                                |             |             | /     |        |   |   |
| MOISTURE REMOVAL VOLUME            |                                       |                         | L/h(Pt/h)                  | 7.9                                            | (3.95×2)       | (16.6)         |                                     |             |             |       |        |   |   |
| External static pressure           |                                       |                         | Pa                         |                                                |                |                |                                     |             |             |       |        |   |   |
| I/D AIR FLOW                       | COOL                                  | m³/min (ft³/min)        | [21/17/14 (742/600/494)]×2 |                                                |                |                |                                     |             |             |       |        |   |   |
|                                    | HEAT                                  | m³/min (ft³/min)        | [21/17/14 (742/600/494)]×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                                  | D                                     | HEIGHT : H mm(inch)     | 256 (10-3/32)              |                                                |                | 1416 (55-3/4)  |                                     |             | /           |       |        |   |   |
| R                                  | I                                     | WIDTH : W mm(inch)      | 840 (33-3/32)              |                                                |                | 940 (37-1/32)  |                                     |             | /           |       |        |   |   |
| O                                  | M                                     | DEPTH : D mm(inch)      | 840 (33-3/32)              |                                                |                | 340 (13-13/32) |                                     |             | /           |       |        |   |   |
| P                                  | D                                     | HEIGHT : H mm           | 298                        |                                                |                | 1556           |                                     |             | /           |       |        |   |   |
| A                                  | I                                     | WIDTH : W mm            | 929                        |                                                |                | 1055           |                                     |             | /           |       |        |   |   |
| C                                  | M                                     | DEPTH : D mm            | 929                        |                                                |                | 485            |                                     |             | /           |       |        |   |   |
| MASS                               | (NET) kg(lb)                          |                         | 24 (53)                    |                                                |                | 98 (216)       |                                     |             | /           |       |        |   |   |
|                                    | (GROSS) kg(lb)                        |                         | 30 (67)                    |                                                |                | 108 (238)      |                                     |             | /           |       |        |   |   |
| LAYERS LIMIT (actually)            |                                       |                         |                            | 11 (12)                                        |                |                | 1 (2)                               |             |             |       |        |   |   |
| Operation Condition                |                                       |                         | Cool (DBT)                 | 18°C ~ 32°C                                    |                |                | -15°C ~ 46°C                        |             |             |       |        |   |   |
|                                    |                                       |                         | Heat (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

#### 1. 4-Way Cassette Type S-71PU1E5A / U-71PE1E8A

|                                       |                                       |                     |                                                |                                       |          |                                     |              |            |            |       |        |   |
|---------------------------------------|---------------------------------------|---------------------|------------------------------------------------|---------------------------------------|----------|-------------------------------------|--------------|------------|------------|-------|--------|---|
| INDOOR                                |                                       |                     | MODEL                                          | S-71PU1E5A                            |          |                                     |              |            |            |       |        |   |
| PANEL                                 |                                       |                     | MODEL                                          | CZ-KPU21                              |          |                                     |              |            |            |       |        |   |
| OUTDOOR                               |                                       |                     | MODEL                                          |                                       |          |                                     | U-71PE1E8A   |            |            |       |        |   |
| Branch pipe                           |                                       |                     | MODEL                                          |                                       |          |                                     |              |            |            |       |        |   |
| PERFORMANCE TEST CONDITION            |                                       |                     |                                                | ISO5151 / 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                                             | 7.1                                   | 7.1      | 7.1                                 |              |            |            | 3.2   | 8.0    |   |
|                                       |                                       |                     | BTU/h                                          | 24200                                 | 24200    | 24200                               |              |            |            | 10900 | 27300  |   |
|                                       | CURRENT                               |                     | A                                              | 0.36                                  | 0.33     | 0.32                                | 2.80         | 2.70       | 2.60       | -     | -      |   |
|                                       | INPUT POWER                           |                     | W                                              | 40                                    | 40       | 40                                  | 1.760k       | 1.760k     | 1.760k     | -     | -      |   |
|                                       |                                       |                     | TOTAL W                                        |                                       |          |                                     | 1.800k       | 1.800k     | 1.800k     | 560   | 2.650k |   |
|                                       | ANNUAL CONSUMPTION                    |                     | TOTAL kWh ※4                                   |                                       |          |                                     | -            | 900        | -          | -     | -      |   |
|                                       | EER/EER CLASS                         |                     | TOTAL(W/W)※5("A"~"G")                          | -                                     | -        | -                                   | 3.94         | 3.94 / A   | 3.94       | 5.71  | 3.02   |   |
|                                       | Erp<br>※6                             | Pdsign              | kW                                             | -                                     | -        | -                                   | -            | 7.1        | -          |       |        |   |
|                                       |                                       | SEER                | (W/W)                                          | -                                     | -        | -                                   | -            | 6.8        | -          |       |        |   |
|                                       |                                       | Annual consumption  | kWh                                            | -                                     | -        | -                                   | -            | 365        | -          |       |        |   |
| Class                                 |                                       |                     | -                                              | -                                     | -        | -                                   | A++          | -          |            |       |        |   |
| POWER FACTOR                          |                                       |                     | %                                              | -                                     | -        | -                                   | 96           | 94         | 94         | -     | -      |   |
| NOISE INDOOR<br>(H/M/L)               |                                       |                     | dB-A                                           | 37/31/28                              |          |                                     |              |            |            |       |        |   |
|                                       |                                       |                     | Power Level dB                                 | 54/48/45                              |          |                                     |              |            |            |       |        |   |
| 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                                             | 8.0                                   | 8.0      | 8.0                                 |              |            |            | 2.8   | 9.0    |   |
|                                       |                                       |                     | BTU/h                                          | 27300                                 | 27300    | 27300                               |              |            |            | 9600  | 30700  |   |
|                                       | CURRENT                               |                     | A                                              | 0.35                                  | 0.32     | 0.31                                | 3.10         | 3.00       | 2.90       | -     | -      |   |
|                                       | INPUT POWER                           |                     | W                                              | 40                                    | 40       | 40                                  | 1.960k       | 1.960k     | 1.960k     | -     | -      |   |
|                                       |                                       |                     | TOTAL W                                        |                                       |          |                                     | 2.000k       | 2.000k     | 2.000k     | 500   | 2.900k |   |
|                                       | COP/COP CLASS                         |                     | TOTAL(W/W)※5("A"~"G")                          | -                                     | -        | -                                   | 4.00         | 4.00 / A   | 4.00       | 5.60  | 3.10   |   |
|                                       | Erp<br>※6                             | Pdsign              | kW                                             | -                                     | -        | -                                   | -            | 7.1        | -          |       |        |   |
|                                       |                                       | Tbivalen            | °C                                             | -                                     | -        | -                                   | -            | -9         | -          |       |        |   |
|                                       |                                       | SCOP                | (W/W)                                          | -                                     | -        | -                                   | -            | 4.0        | -          |       |        |   |
|                                       |                                       | Annual consumption  | kWh                                            | -                                     | -        | -                                   | -            | 2485       | -          |       |        |   |
|                                       | POWER FACTOR                          | Class               |                                                | -                                     | -        | -                                   | -            | A+         | -          |       |        |   |
|                                       |                                       | %                   | -                                              | -                                     | -        | -                                   | 96           | 94         | 94         | -     | -      |   |
|                                       | NOISE INDOOR<br>(H/M/L)               |                     |                                                | dB-A                                  | 37/31/28 |                                     |              |            |            |       | /      | / |
|                                       |                                       |                     |                                                | Power Level dB                        | 54/48/45 |                                     |              |            |            |       |        |   |
| 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)     |                                       |                     |                                                | 0.36/40                               | 0.33/40  | 0.32/40                             | 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)                         |                                       |                     |                                                | 60                                    |          |                                     | 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)    | 22/17/14 (777/600/494)                         |                                       |          |                                     |              |            |            |       |        |   |
|                                       | HEAT                                  | m³/min (ft³/min)    | 22/17/14 (777/600/494)                         |                                       |          |                                     |              |            |            |       |        |   |
| 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) | 256 (10-3/32)                                  |                                       |          | 996 (39-7/32)                       |              |            | /          |       |        |   |
|                                       | I                                     | WIDTH : W mm(inch)  | 840 (33-3/32)                                  |                                       |          | 940 (37-1/32)                       |              |            | /          |       |        |   |
|                                       | M                                     | DEPTH : D mm(inch)  | 840 (33-3/32)                                  |                                       |          | 340 (13-13/32)                      |              |            | /          |       |        |   |
| P<br>A<br>C<br>M                      | D                                     | HEIGHT : H mm       | 298                                            |                                       |          | 1136                                |              |            | /          |       |        |   |
|                                       | I                                     | WIDTH : W mm        | 929                                            |                                       |          | 1055                                |              |            | /          |       |        |   |
|                                       | M                                     | DEPTH : D mm        | 929                                            |                                       |          | 485                                 |              |            | /          |       |        |   |
| MASS                                  | (NET) kg(lb)                          | 24 (53)             |                                                |                                       | 71 (157) |                                     |              | /          |            |       |        |   |
|                                       | (GROSS) kg(lb)                        | 30 (67)             |                                                |                                       | 79 (174) |                                     |              | /          |            |       |        |   |
| LAYERS LIMIT (actually)               |                                       |                     |                                                | 11 (12)                               |          |                                     | 2 (3)        |            |            |       |        |   |
| 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>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

#### 1. 4-Way Cassette Type S-71PU1E5A×2 / U-140PE1E8A

|                                       |                                   |                     |                        |                |                                               |             |                |                                     |             |             |       |        |   |
|---------------------------------------|-----------------------------------|---------------------|------------------------|----------------|-----------------------------------------------|-------------|----------------|-------------------------------------|-------------|-------------|-------|--------|---|
| INDOOR                                |                                   |                     | MODEL                  |                | S-71PU1E5A×2                                  |             |                |                                     |             |             |       |        |   |
| PANEL                                 |                                   |                     | MODEL                  |                | CZ-KPU21×2                                    |             |                |                                     |             |             |       |        |   |
| OUTDOOR                               |                                   |                     | MODEL                  |                |                                               |             |                | U-140PE1E8A                         |             |             |       |        |   |
| Branch pipe                           |                                   |                     | MODEL                  |                |                                               |             |                | CZ-P155BK1                          |             |             |       |        |   |
| PERFORMANCE TEST CONDITION            |                                   |                     |                        |                | ISO5151 / 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                      |                | 0.36×2                                        | 0.33×2      | 0.32×2         | 6.80                                | 6.50        | 6.25        | -     | -      |   |
|                                       | INPUT POWER                       |                     | W                      |                | 40×2                                          | 40×2        | 40×2           | 4.230k                              | 4.230k      | 4.230k      | -     | -      |   |
|                                       |                                   |                     | TOTAL W                |                | -                                             |             |                | 4.310k                              | 4.310k      | 4.310k      | 840   | 6.000k |   |
|                                       | ANNUAL CONSUMPTION                |                     | 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                          |                                   |                     | %                      |                | -                                             | -           | -              | 95                                  | 94          | 94          | -     | -      |   |
| NOISE INDOOR<br>(H/M/L)               |                                   |                     | dB-A                   |                | 37/31/28                                      |             |                |                                     |             |             |       |        |   |
|                                       |                                   |                     | Power Level dB         |                | 54/48/45                                      |             |                |                                     |             |             |       |        |   |
| 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                      |                | 0.35×2                                        | 0.32×2      | 0.31×2         | 6.90                                | 6.55        | 6.30        | -     | -      |   |
|                                       | INPUT POWER                       |                     | W                      |                | 40×2                                          | 40×2        | 40×2           | 4.250k                              | 4.250k      | 4.250k      | -     | -      |   |
|                                       |                                   |                     | TOTAL W                |                | -                                             |             |                | 4.330k                              | 4.330k      | 4.330k      | 900   | 5.900k |   |
|                                       | COP/COP CLASS                     |                     | TOTAL(W/W) ※5("A"~"G") |                | -                                             | -           | -              | 3.70                                | 3.70 / A    | 3.70        | 4.56  | 3.05   |   |
|                                       | Erp<br>※6                         | Pdsign              |                        | kW             |                                               | -           | -              | -                                   | -           | -           | -     | -      | - |
|                                       |                                   | Tbivalen            |                        | °C             |                                               | -           | -              | -                                   | -           | -           | -     |        |   |
|                                       |                                   | SCOP                |                        | (W/W)          |                                               | -           | -              | -                                   | -           | -           | -     |        |   |
|                                       |                                   | Annual consumption  |                        | kWh            |                                               | -           | -              | -                                   | -           | -           | -     |        |   |
|                                       | Class                             |                     |                        |                | -                                             | -           | -              | -                                   | -           | -           |       |        |   |
|                                       | POWER FACTOR                      |                     |                        | %              |                                               | -           | -              | -                                   | 94          | 94          | 94    | -      | - |
|                                       | NOISE INDOOR<br>(H/M/L)           |                     |                        | dB-A           |                                               | 37/31/28    |                |                                     | -           |             |       | /      | / |
|                                       |                                   |                     |                        | Power Level dB |                                               | 54/48/45    |                |                                     | -           |             |       |        |   |
| 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)     |                                   |                     |                        |                | 0.36×2/40×2                                   | 0.33×2/40×2 | 0.32×2/40×2    | 11.0/6.800k                         | 11.0/7.150k | 11.0/7.450k | /     |        |   |
| STARTING CURRENT(A)/COMP OUTPUT(W)    |                                   |                     |                        |                | -                                             | -           | -              | 6.90/3.0k                           | 6.55/3.0k   | 6.30/3.0k   | /     |        |   |
| NETWORK IMPEDANCE (ΩMAX.)             |                                   |                     |                        |                | -                                             |             |                | -                                   |             |             |       |        |   |
| FM OUTPUT (W)                         |                                   |                     |                        |                | 60×2                                          |             |                | 90×2                                |             |             | /     |        |   |
| MOISTURE REMOVAL VOLUME               |                                   |                     | L/h(Pt/h)              |                | 9.0                                           | (4.5×2)     | (18.9)         | -                                   |             |             |       |        |   |
| External static pressure              |                                   |                     | Pa                     |                | -                                             |             |                |                                     |             |             |       |        |   |
| I/D AIR FLOW                          | COOL                              |                     | m³/min (ft³/min)       |                | [22/17/14 (777/600/494)]×2                    |             |                |                                     |             |             |       |        |   |
|                                       | HEAT                              |                     | m³/min (ft³/min)       |                | [22/17/14 (777/600/494)]×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) |                        | 256 (10-3/32)  |                                               |             | 1416 (55-3/4)  |                                     |             | /           |       |        |   |
|                                       | R                                 | WIDTH : W mm(inch)  |                        | 840 (33-3/32)  |                                               |             | 940 (37-1/32)  |                                     |             | /           |       |        |   |
|                                       | O                                 | DEPTH : D mm(inch)  |                        | 840 (33-3/32)  |                                               |             | 340 (13-13/32) |                                     |             | /           |       |        |   |
| P<br>A<br>C<br>M                      | D                                 | HEIGHT : H mm       |                        | 298            |                                               |             | 1556           |                                     |             | /           |       |        |   |
|                                       | A                                 | WIDTH : W mm        |                        | 929            |                                               |             | 1055           |                                     |             | /           |       |        |   |
|                                       | M                                 | DEPTH : D mm        |                        | 929            |                                               |             | 485            |                                     |             | /           |       |        |   |
| MASS                                  | (NET) kg(lb)                      |                     | 24 (53)                |                |                                               | 98 (216)    |                |                                     | /           |             |       |        |   |
|                                       | (GROSS) kg(lb)                    |                     | 30 (67)                |                |                                               | 108 (238)   |                |                                     | /           |             |       |        |   |
| LAYERS LIMIT (actually)               |                                   |                     |                        |                | 11 (12)                                       |             |                | 1 (2)                               |             |             |       |        |   |
| 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>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

#### 1. 4-Way Cassette Type S-100PU1E5A / U-100PE1E8A

|                                       |                                       |                       |                                                |         |           |                                     |             |             |       |        |   |
|---------------------------------------|---------------------------------------|-----------------------|------------------------------------------------|---------|-----------|-------------------------------------|-------------|-------------|-------|--------|---|
| INDOOR                                |                                       | MODEL                 | S-100PU1E5A                                    |         |           |                                     |             |             |       |        |   |
| PANEL                                 |                                       | MODEL                 | CZ-KPU21                                       |         |           | -                                   |             |             |       |        |   |
| OUTDOOR                               |                                       | MODEL                 |                                                |         |           | U-100PE1E8A                         |             |             |       |        |   |
| Branch pipe                           |                                       | MODEL                 |                                                |         |           | -                                   |             |             |       |        |   |
| PERFORMANCE TEST CONDITION            |                                       |                       | ISO5151 / EN14511 / EN14825 / 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                    | 10.0                                           | 10.0    | 10.0      |                                     |             |             | 3.3   | 12.5   |   |
|                                       |                                       | BTU/h                 | 34100                                          | 34100   | 34100     |                                     |             |             | 11300 | 42700  |   |
|                                       | CURRENT                               | A                     | 0.73                                           | 0.71    | 0.71      | 3.70                                | 3.50        | 3.40        | -     | -      |   |
|                                       | INPUT POWER                           | W                     | 95                                             | 95      | 95        | 2.285k                              | 2.285k      | 2.285k      | -     | -      |   |
|                                       |                                       | TOTAL W               | -                                              |         |           | 2.380k                              | 2.380k      | 2.380k      | 840   | 3.700k |   |
|                                       | ANNUAL CONSUMPTION                    | TOTAL kWh ※4          | -                                              |         |           | -                                   | 1190        | -           | -     | -      |   |
|                                       | EER/EER CLASS                         | TOTAL(W/W)※5("A"~"G") | -                                              | -       | -         | 4.20                                | 4.20 / A    | 4.20        | 3.93  | 3.38   |   |
|                                       | Erp<br>※6                             | Pdsign                | kW                                             | -       | -         | -                                   | 10.0        | -           | -     | -      |   |
|                                       |                                       | SEER                  | (W/W)                                          | -       | -         | -                                   | -           | 6.5         | -     | -      |   |
|                                       | Annual consumption                    | kWh                   | -                                              | -       | -         | -                                   | 538         | -           | -     | -      |   |
| Class                                 |                                       | -                     | -                                              | -       | -         | A++                                 | -           | -           | -     |        |   |
| POWER FACTOR                          |                                       | %                     | -                                              | -       | -         | 94                                  | 94          | 93          | -     | -      |   |
| NOISE INDOOR<br>(H/M/L)               | dB-A                                  | 44/38/32              |                                                |         |           |                                     |             |             |       |        |   |
|                                       | Power Level dB                        | 62/55/49              |                                                |         |           |                                     |             |             |       |        |   |
| NOISE OUTDOOR<br>(H/L)                | dB-A                                  |                       |                                                |         | 52/-      |                                     |             |             |       |        |   |
|                                       | Power Level dB                        |                       |                                                |         | 69/-      |                                     |             |             |       |        |   |
| H E A T I N G                         | CAPACITY                              | kW                    | 11.2                                           | 11.2    | 11.2      |                                     |             |             | 4.1   | 14.0   |   |
|                                       |                                       | BTU/h                 | 38200                                          | 38200   | 38200     |                                     |             |             | 14000 | 47800  |   |
|                                       | CURRENT                               | A                     | 0.66                                           | 0.65    | 0.64      | 4.05                                | 3.85        | 3.75        | -     | -      |   |
|                                       | INPUT POWER                           | W                     | 85                                             | 85      | 85        | 2.515k                              | 2.515k      | 2.515k      | -     | -      |   |
|                                       |                                       | 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)                 | -                                              | -       | -         | -                                   | 4.2         | -           | -     | -      |   |
|                                       |                                       | Annual consumption    | kWh                                            | -       | -         | -                                   | -           | 3333        | -     | -      |   |
|                                       | Class                                 | -                     | -                                              | -       | -         | -                                   | A+          | -           | -     | -      |   |
|                                       |                                       | POWER FACTOR          | %                                              | -       | -         | -                                   | 94          | 94          | 93    | -      | - |
|                                       | NOISE INDOOR<br>(H/M/L)               | dB-A                  | 44/38/32                                       |         |           |                                     |             |             | /     | /      |   |
|                                       |                                       | Power Level dB        | 62/55/49                                       |         |           |                                     |             |             | -     | -      |   |
|                                       | 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)     |                                       |                       | 0.73/95                                        | 0.71/95 | 0.71/95   | 9.00/5.550k                         | 9.00/5.850k | 9.00/6.100k | /     |        |   |
| STARTING CURRENT(A)/COMP OUTPUT(W)    |                                       |                       | -                                              | -       | -         | 4.05/3.0k                           | 3.85/3.0k   | 3.75/3.0k   | /     |        |   |
| NETWORK IMPEDANCE (ΩMAX.)             |                                       |                       | -                                              |         |           | -                                   |             |             |       |        |   |
| FM OUTPUT (W)                         |                                       |                       | 90                                             |         |           | 90x2                                |             |             | /     |        |   |
| MOISTURE REMOVAL VOLUME               |                                       |                       | L/h(Pt/h)                                      | 6.0     | (12.6)    | -                                   |             |             |       |        |   |
| External static pressure              |                                       |                       | Pa                                             | -       |           |                                     |             |             |       |        |   |
| I/D AIR FLOW                          | COOL                                  | m³/min (ft³/min)      | 33/27/21 (1165/953/742)                        |         |           |                                     |             |             |       |        |   |
|                                       | HEAT                                  | m³/min (ft³/min)      | 33/27/21 (1165/953/742)                        |         |           |                                     |             |             |       |        |   |
| 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 R O M                               | HEIGHT : H mm(inch)                   |                       | 319 (12-9/16)                                  |         |           | 1416 (55-3/4)                       |             |             | /     |        |   |
|                                       |                                       | WIDTH : W mm(inch)    | 840 (33-3/32)                                  |         |           | 940 (37-1/32)                       |             |             | /     |        |   |
|                                       |                                       | DEPTH : D mm(inch)    | 840 (33-3/32)                                  |         |           | 340 (13-13/32)                      |             |             | /     |        |   |
| P A C M                               | HEIGHT : H mm                         |                       | 361                                            |         |           | 1556                                |             |             | /     |        |   |
|                                       |                                       | WIDTH : W mm          | 929                                            |         |           | 1055                                |             |             | /     |        |   |
|                                       |                                       | DEPTH : D mm          | 929                                            |         |           | 485                                 |             |             | /     |        |   |
| MASS                                  | (NET) kg(lb)                          | 27 (60)               |                                                |         | 98 (216)  |                                     |             | /           |       |        |   |
|                                       | (GROSS) kg(lb)                        | 34 (75)               |                                                |         | 108 (238) |                                     |             | /           |       |        |   |
| LAYERS LIMIT (actually)               |                                       |                       | 11 (12)                                        |         |           | 1 (2)                               |             |             |       |        |   |
| Operation Condition                   |                                       | Cool (DBT)            | 18°C ~ 32°C                                    |         |           | -15°C ~ 46°C                        |             |             |       |        |   |
|                                       |                                       | Heat (DBT)            | 16°C ~ 30°C                                    |         |           | -20°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 ~ 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

#### 1. 4-Way Cassette Type S-125PU1E5A / U-125PE1E8A

|                                       |                                   |                             |                       |               |                                                |           |                |                                     |             |             |       |        |
|---------------------------------------|-----------------------------------|-----------------------------|-----------------------|---------------|------------------------------------------------|-----------|----------------|-------------------------------------|-------------|-------------|-------|--------|
| INDOOR                                |                                   |                             | MODEL                 |               | S-125PU1E5A                                    |           |                |                                     |             |             |       |        |
| PANEL                                 |                                   |                             | MODEL                 |               | CZ-KPU21                                       |           |                |                                     |             |             |       |        |
| OUTDOOR                               |                                   |                             | MODEL                 |               |                                                |           |                | U-125PE1E8A                         |             |             |       |        |
| Branch pipe                           |                                   |                             | MODEL                 |               |                                                |           |                |                                     |             |             |       |        |
| PERFORMANCE TEST CONDITION            |                                   |                             |                       |               | ISO5151 / 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                     |               | 0.77                                           | 0.76      | 0.73           | 5.45                                | 5.15        | 5.00        | -     | -      |
|                                       | INPUT POWER                       |                             | W                     |               | 100                                            | 100       | 100            | 3.370k                              | 3.370k      | 3.370k      | -     | -      |
|                                       |                                   |                             | TOTAL W               |               | -                                              |           |                | 3.470k                              | 3.470k      | 3.470k      | 840   | 4.600k |
|                                       | ANNUAL CONSUMPTION                |                             | TOTAL kWh ※4          |               | -                                              |           |                | -                                   | 1735        | -           | -     | -      |
|                                       | EER/EER CLASS                     |                             | TOTAL(W/W)※5("A"~"G") |               | -                                              | -         | -              | 3.60                                | 3.60 / A    | 3.60        | 3.93  | 3.04   |
|                                       | Erp<br>※6                         | Pdsign                      | kW                    |               | -                                              | -         | -              | -                                   | -           | -           |       |        |
|                                       |                                   | SEER                        | (W/W)                 |               | -                                              | -         | -              | -                                   | -           | -           |       |        |
|                                       |                                   | Annual consumption<br>Class | kWh                   |               | -                                              | -         | -              | -                                   | -           | -           |       |        |
| POWER FACTOR                          |                                   |                             | %                     |               | -                                              | -         | -              | 94                                  | 94          | 94          | -     | -      |
| NOISE INDOOR<br>(H/M/L)               |                                   |                             | dB-A                  |               | 45/39/33                                       |           |                |                                     |             |             |       |        |
|                                       |                                   |                             | Power Level dB        |               | 63/56/50                                       |           |                |                                     |             |             |       |        |
| 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                     |               | 0.75                                           | 0.73      | 0.73           | 5.50                                | 5.20        | 5.05        | -     | -      |
|                                       | INPUT POWER                       |                             | W                     |               | 100                                            | 100       | 100            | 3.400k                              | 3.400k      | 3.400k      | -     | -      |
|                                       |                                   |                             | TOTAL W               |               | -                                              |           |                | 3.500k                              | 3.500k      | 3.500k      | 900   | 5.200k |
|                                       | COP/COP CLASS                     |                             | TOTAL(W/W)※5("A"~"G") |               | -                                              | -         | -              | 4.00                                | 4.00 / A    | 4.00        | 4.56  | 3.08   |
|                                       | Erp<br>※6                         | Pdsign                      | kW                    |               | -                                              | -         | -              | -                                   | -           | -           |       |        |
|                                       |                                   | Tbivalen                    | °C                    |               | -                                              | -         | -              | -                                   | -           | -           |       |        |
|                                       |                                   | SCOP                        | (W/W)                 |               | -                                              | -         | -              | -                                   | -           | -           |       |        |
|                                       |                                   | Annual consumption<br>Class | kWh                   |               | -                                              | -         | -              | -                                   | -           | -           |       |        |
| POWER FACTOR                          |                                   | %                           |                       | -             | -                                              | -         | 94             | 94                                  | 94          | -           | -     |        |
| NOISE INDOOR<br>(H/M/L)               |                                   |                             | dB-A                  |               | 45/39/33                                       |           |                |                                     |             |             | /     | /      |
|                                       |                                   |                             | Power Level dB        |               | 63/56/50                                       |           |                |                                     |             |             |       |        |
| 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)     |                                   |                             |                       |               | 0.77/100                                       | 0.76/100  | 0.73/100       | 10.0/6.200k                         | 10.0/6.500k | 10.0/6.750k | /     |        |
| STARTING CURRENT(A)/COMP OUTPUT(W)    |                                   |                             |                       |               | -                                              | -         | -              | 5.50/3.0k                           | 5.20/3.0k   | 5.05/3.0k   | /     |        |
| NETWORK IMPEDANCE (ΩMAX.)             |                                   |                             |                       |               | -                                              |           |                | -                                   |             |             |       |        |
| FM OUTPUT (W)                         |                                   |                             |                       |               | 90                                             |           |                | 90x2                                |             |             | /     |        |
| MOISTURE REMOVAL VOLUME               |                                   |                             | L/h(Pt/h)             |               | 7.9                                            | (16.6)    |                |                                     | -           |             |       |        |
| External static pressure              |                                   |                             | Pa                    |               | -                                              |           |                |                                     |             |             |       |        |
| I/D AIR FLOW                          | COOL                              |                             | m³/min (ft³/min)      |               | 35/28/22 (1236/989/777)                        |           |                |                                     |             |             |       |        |
|                                       | HEAT                              |                             | m³/min (ft³/min)      |               | 35/28/22 (1236/989/777)                        |           |                |                                     |             |             |       |        |
| 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)         |                       | 319 (12-9/16) |                                                |           | 1416 (55-3/4)  |                                     |             | /           |       |        |
|                                       | I                                 | WIDTH : W mm(inch)          |                       | 840 (33-3/32) |                                                |           | 940 (37-1/32)  |                                     |             | /           |       |        |
|                                       | M                                 | DEPTH : D mm(inch)          |                       | 840 (33-3/32) |                                                |           | 340 (13-13/32) |                                     |             | /           |       |        |
| P<br>A<br>C<br>M                      | D                                 | HEIGHT : H mm               |                       | 361           |                                                |           | 1556           |                                     |             | /           |       |        |
|                                       | I                                 | WIDTH : W mm                |                       | 929           |                                                |           | 1055           |                                     |             | /           |       |        |
|                                       | M                                 | DEPTH : D mm                |                       | 929           |                                                |           | 485            |                                     |             | /           |       |        |
| MASS                                  | (NET) kg(lb)                      |                             | 27 (60)               |               |                                                | 98 (216)  |                |                                     | /           |             |       |        |
|                                       | (GROSS) kg(lb)                    |                             | 34 (75)               |               |                                                | 108 (238) |                |                                     | /           |             |       |        |
| LAYERS LIMIT (actually)               |                                   |                             |                       |               | 11 (12)                                        |           |                | 1 (2)                               |             |             |       |        |
| 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>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) / 3 0 (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

#### 1. 4-Way Cassette Type S-140PU1E5A / U-140PE1E8A

|                                       |                                       |                       |                                                |          |          |                                     |             |             |       |        |
|---------------------------------------|---------------------------------------|-----------------------|------------------------------------------------|----------|----------|-------------------------------------|-------------|-------------|-------|--------|
| INDOOR                                |                                       | MODEL                 | S-140PU1E5A                                    |          |          |                                     |             |             |       |        |
| PANEL                                 |                                       | MODEL                 | CZ-KPU21                                       |          |          | -                                   |             |             |       |        |
| OUTDOOR                               |                                       | MODEL                 |                                                |          |          | U-140PE1E8A                         |             |             |       |        |
| Branch pipe                           |                                       | MODEL                 |                                                |          |          | -                                   |             |             |       |        |
| PERFORMANCE TEST CONDITION            |                                       |                       | ISO5151 / 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                    | 14.0                                           | 14.0     | 14.0     |                                     |             |             | 3.3   | 15.5   |
|                                       |                                       | BTU/h                 | 47800                                          | 47800    | 47800    |                                     |             |             | 11300 | 52900  |
|                                       | CURRENT                               | A                     | 0.90                                           | 0.89     | 0.87     | 6.75                                | 6.45        | 6.20        | -     | -      |
|                                       | INPUT POWER                           | W                     | 115                                            | 115      | 115      | 4.195k                              | 4.195k      | 4.195k      | -     | -      |
|                                       |                                       | TOTAL W               | -                                              |          |          | 4.310k                              | 4.310k      | 4.310k      | 840   | 6.000k |
|                                       | ANNUAL CONSUMPTION                    | 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                          | %                                     | -                     | -                                              | -        | 94       | 94                                  | 94          | -           | -     |        |
| NOISE INDOOR<br>(H/M/L)               | dB-A                                  | 46/40/34              |                                                |          |          |                                     |             |             |       |        |
|                                       | Power Level dB                        | 64/57/51              |                                                |          |          |                                     |             |             |       |        |
| NOISE OUTDOOR<br>(H/L)                | dB-A                                  |                       |                                                |          | 54/-     |                                     |             |             |       |        |
|                                       | Power Level dB                        |                       |                                                |          | 71/-     |                                     |             |             |       |        |
| H E A T I N G                         | CAPACITY                              | kW                    | 16.0                                           | 16.0     | 16.0     |                                     |             |             | 4.1   | 18.0   |
|                                       |                                       | BTU/h                 | 54600                                          | 54600    | 54600    |                                     |             |             | 14000 | 61400  |
|                                       | CURRENT                               | A                     | 0.83                                           | 0.80     | 0.79     | 6.85                                | 6.50        | 6.25        | -     | -      |
|                                       | INPUT POWER                           | W                     | 105                                            | 105      | 105      | 4.225k                              | 4.225k      | 4.225k      | -     | -      |
|                                       |                                       | TOTAL W               | -                                              |          |          | 4.330k                              | 4.330k      | 4.330k      | 900   | 5.900k |
|                                       | COP/COP CLASS                         | TOTAL(W/W)※5("A"~"G") | -                                              | -        | -        | 3.70                                | 3.70 / A    | 3.70        | 4.56  | 3.05   |
|                                       | Erp<br>※6                             | Pdsign                | kW                                             | -        | -        | -                                   | -           | -           | -     | -      |
|                                       |                                       | Tbivalen              | °C                                             | -        | -        | -                                   | -           | -           | -     |        |
|                                       |                                       | SCOP                  | (W/W)                                          | -        | -        | -                                   | -           | -           | -     |        |
|                                       |                                       | Annual consumption    | kWh                                            | -        | -        | -                                   | -           | -           | -     |        |
|                                       | Class                                 |                       | -                                              | -        | -        | -                                   | -           | -           |       |        |
|                                       | POWER FACTOR                          | %                     | -                                              | -        | -        | 94                                  | 94          | 94          | -     | -      |
|                                       | NOISE INDOOR<br>(H/M/L)               | dB-A                  | 46/40/34                                       |          |          |                                     |             |             | /     | /      |
|                                       |                                       | Power Level dB        | 64/57/51                                       |          |          |                                     |             |             |       |        |
| 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)     |                                       |                       | 0.90/115                                       | 0.89/115 | 0.87/115 | 11.0/6.800k                         | 11.0/7.150k | 11.0/7.450k | /     |        |
| STARTING CURRENT(A)/COMP OUTPUT(W)    |                                       |                       | -                                              | -        | -        | 6.85/3.0k                           | 6.50/3.0k   | 6.25/3.0k   | /     |        |
| NETWORK IMPEDANCE (ΩMAX.)             |                                       |                       | -                                              |          |          | -                                   |             |             |       |        |
| FM OUTPUT (W)                         |                                       |                       | 90                                             |          |          | 90x2                                |             |             | /     |        |
| MOISTURE REMOVAL VOLUME               |                                       |                       | L/h(Pt/h)                                      | 9.0      | (18.9)   | -                                   |             |             |       |        |
| External static pressure              |                                       |                       | Pa                                             | -        |          |                                     |             |             |       |        |
| I/D AIR FLOW                          | COOL                                  | m³/min (ft³/min)      | 36/29/23 (1271/1024/812)                       |          |          |                                     |             |             |       |        |
|                                       | HEAT                                  | m³/min (ft³/min)      | 36/29/23 (1271/1024/812)                       |          |          |                                     |             |             |       |        |
| 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 R O M                               | HEIGHT : H mm(inch)                   |                       | 319 (12-9/16)                                  |          |          | 1416 (55-3/4)                       |             |             | /     |        |
|                                       | WIDTH : W mm(inch)                    |                       | 840 (33-3/32)                                  |          |          | 940 (37-1/32)                       |             |             | /     |        |
|                                       | DEPTH : D mm(inch)                    |                       | 840 (33-3/32)                                  |          |          | 340 (13-13/32)                      |             |             | /     |        |
| P A C M                               | HEIGHT : H mm                         |                       | 361                                            |          |          | 1556                                |             |             | /     |        |
|                                       | WIDTH : W mm                          |                       | 929                                            |          |          | 1055                                |             |             | /     |        |
|                                       | DEPTH : D mm                          |                       | 929                                            |          |          | 485                                 |             |             | /     |        |
| MASS                                  | (NET) kg(lb)                          |                       | 27 (60)                                        |          |          | 98 (216)                            |             |             | /     |        |
|                                       | (GROSS) kg(lb)                        |                       | 34 (75)                                        |          |          | 108 (238)                           |             |             | /     |        |
| LAYERS LIMIT (actually)               |                                       |                       | 11 (12)                                        |          |          | 1 (2)                               |             |             |       |        |
| Operation Condition                   | Cool (DBT)                            |                       | 18°C ~ 32°C                                    |          |          | -15°C ~ 46°C                        |             |             |       |        |
|                                       | Heat (DBT)                            |                       | 16°C ~ 30°C                                    |          |          | -20°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 ~ 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

#### 1. 4-Way Cassette Type S-36PU1E5A×2 / U-71PEY1E5A

|                                       |                                   |                     |                                                |                            |                                       |                                     |                |              |          |        |      |        |   |
|---------------------------------------|-----------------------------------|---------------------|------------------------------------------------|----------------------------|---------------------------------------|-------------------------------------|----------------|--------------|----------|--------|------|--------|---|
| INDOOR                                |                                   |                     | MODEL                                          |                            | S-36PU1E5A×2                          |                                     |                |              |          |        |      |        |   |
| PANEL                                 |                                   |                     | MODEL                                          |                            | CZ-KPU21×2                            |                                     |                | -            |          |        |      |        |   |
| OUTDOOR                               |                                   |                     | MODEL                                          |                            |                                       |                                     |                | U-71PEY1E5   |          |        |      |        |   |
| Branch pipe                           |                                   |                     | MODEL                                          |                            |                                       |                                     |                | -            |          |        |      |        |   |
| PERFORMANCE TEST CONDITION            |                                   |                     |                                                |                            | ISO5151 / 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                                              |                            | 0.19×2                                | 0.19×2                              | 0.18×2         | 10.70        | 10.30    | 9.80   | -    | -      |   |
|                                       | INPUT POWER                       |                     | W                                              |                            | 20×2                                  | 20×2                                | 20×2           | 2.150k       | 2.150k   | 2.150k | -    | -      |   |
|                                       |                                   |                     | TOTAL W                                        |                            | -                                     |                                     |                | 2.190k       | 2.190k   | 2.190k | 325  | 2.800k |   |
|                                       | ANNUAL CONSUMPTION                |                     | TOTAL kWh ※ 4                                  |                            | -                                     |                                     |                | 1094         | 1095     | 1096   | -    | -      |   |
|                                       | EER/EER CLASS                     |                     | TOTAL(W/W)※5("A"~"G")                          |                            | -                                     | -                                   | -              | 3.24         | 3.24 / A | 3.24   | 6.15 | 2.75   |   |
|                                       | Erp<br>※6                         | Pdsign              | kW                                             |                            | -                                     | -                                   | -              | -            | 7.1      | -      |      |        |   |
|                                       |                                   | SEER                | (W/W)                                          |                            | -                                     | -                                   | -              | -            | 6.3      | -      |      |        |   |
|                                       |                                   | Annual consumption  | kWh                                            |                            | -                                     | -                                   | -              | -            | 394      | -      |      |        |   |
| Class                                 |                                   |                     |                                                | -                          | -                                     | -                                   | -              | A++          | -        |        |      |        |   |
| POWER FACTOR                          |                                   |                     | %                                              |                            | -                                     | -                                   | -              | 91           | 91       | 91     | -    | -      |   |
| NOISE INDOOR                          |                                   |                     | dB-A (H/M/L)                                   |                            | 30/28/27                              |                                     |                |              |          |        |      |        |   |
|                                       |                                   |                     | Power Level dB                                 |                            | 47/45/44                              |                                     |                |              |          |        |      |        |   |
| 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                                              |                            | 0.17×2                                | 0.17×2                              | 0.16×2         | 9.10         | 8.70     | 8.30   | -    | -      |   |
|                                       | INPUT POWER                       |                     | W                                              |                            | 20×2                                  | 20×2                                | 20×2           | 1.840k       | 1.840k   | 1.840k | -    | -      |   |
|                                       |                                   |                     | TOTAL W                                        |                            | -                                     |                                     |                | 1.880k       | 1.880k   | 1.880k | 275  | 2.510k |   |
|                                       | COP/COP CLASS                     |                     | TOTAL(W/W)※5("A"~"G")                          |                            | -                                     | -                                   | -              | 3.78         | 3.78 / A | 3.78   | 6.55 | 3.23   |   |
|                                       | Erp<br>※6                         | Pdsign              | kW                                             |                            | -                                     | -                                   | -              | -            | 6.0      | -      |      |        |   |
|                                       |                                   | Tbivalen            | °C                                             |                            | -                                     | -                                   | -              | -            | -6       | -      |      |        |   |
|                                       |                                   | SCOP                | (W/W)                                          |                            | -                                     | -                                   | -              | -            | 4.0      | -      |      |        |   |
|                                       |                                   | Annual consumption  | kWh                                            |                            | -                                     | -                                   | -              | -            | 2100     | -      |      |        |   |
|                                       |                                   | Class               |                                                |                            | -                                     | -                                   | -              | -            | A+       | -      |      |        |   |
|                                       |                                   | POWER FACTOR        |                                                |                            | %                                     |                                     | -              | -            | -        | 92     | 92   | 92     | - |
|                                       | NOISE INDOOR                      |                     |                                                | dB-A (H/M/L)               |                                       | 30/28/27                            |                |              | -        |        |      | /      | / |
|                                       |                                   |                     |                                                | Power Level dB             |                                       | 47/45/44                            |                |              | -        |        |      |        |   |
|                                       | 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)     |                                   |                     | 0.19×2/20×2                                    | 0.19×2/20×2                | 0.18×2/20×2                           | 18/3.64k                            | 18/3.81k       | 18/3.97k     | /        |        |      |        |   |
| STARTING CURRENT(A)/COMP OUTPUT(W)    |                                   |                     | -                                              | -                          | -                                     | 10.7/2.19k                          | 10.3/2.19k     | 9.8/2.19k    | /        |        |      |        |   |
| NETWORK IMPEDANCE (ΩMAX.)             |                                   |                     |                                                |                            |                                       | -                                   |                |              |          |        |      |        |   |
| FM OUTPUT (W)                         |                                   |                     | 60×2                                           |                            |                                       | 90                                  |                |              | /        |        |      |        |   |
| MOISTURE REMOVAL VOLUME               |                                   |                     | L/h(Pt/h)                                      | 4.2                        | (2.1×2)                               | (8.8)                               | -              |              |          |        |      |        |   |
| External static pressure              |                                   |                     | Pa                                             |                            | -                                     |                                     |                |              |          |        |      |        |   |
| I/D AIR FLOW                          | COOL                              | m³/min (ft³/min)    |                                                | [14/13/12 (494/459/424)]×2 |                                       |                                     |                |              |          |        |      |        |   |
|                                       | HEAT                              | m³/min (ft³/min)    |                                                | [14/13/12 (494/459/424)]×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) |                                                | 256 (10-3/32)              |                                       |                                     | 569 (22-13/32) |              |          | /      |      |        |   |
|                                       | I                                 | WIDTH : W mm(inch)  |                                                | 840 (33-3/32)              |                                       |                                     | 790 (31-7/64)  |              |          | /      |      |        |   |
|                                       | M                                 | DEPTH : D mm(inch)  |                                                | 840 (33-3/32)              |                                       |                                     | 285 (11-7/32)  |              |          | /      |      |        |   |
| P<br>A<br>C<br>M                      | D                                 | HEIGHT : H mm       |                                                | 298                        |                                       |                                     | 645            |              |          | /      |      |        |   |
|                                       | I                                 | WIDTH : W mm        |                                                | 929                        |                                       |                                     | 921            |              |          | /      |      |        |   |
|                                       | M                                 | DEPTH : D mm        |                                                | 929                        |                                       |                                     | 386            |              |          | /      |      |        |   |
| MASS                                  | (NET) kg(lb)                      |                     | 23 (51)                                        |                            |                                       | 42 (93)                             |                |              | /        |        |      |        |   |
|                                       | (GROSS) kg(lb)                    |                     | 29 (64)                                        |                            |                                       | 46 (101)                            |                |              | /        |        |      |        |   |
| LAYERS LIMIT (actually)               |                                   |                     | 11 (12)                                        |                            |                                       | 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)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

#### 1. 4-Way Cassette Type S-50PU1E5A×2 / U-100PEY1E5

|                                                      |                                   |                      |                                 |                                                |             |                |                                     |             |             |          |        |        |        |
|------------------------------------------------------|-----------------------------------|----------------------|---------------------------------|------------------------------------------------|-------------|----------------|-------------------------------------|-------------|-------------|----------|--------|--------|--------|
| INDOOR                                               |                                   |                      | MODEL                           | S-50PU1E5A×2                                   |             |                |                                     |             |             |          |        |        |        |
| PANEL                                                |                                   |                      | MODEL                           | CZ-KPU21×2                                     |             |                |                                     |             |             |          |        |        |        |
| OUTDOOR                                              |                                   |                      | MODEL                           |                                                |             |                | U-100PEY1E5                         |             |             |          |        |        |        |
| Branch pipe                                          |                                   |                      | MODEL                           |                                                |             |                | CZ-P155BK1                          |             |             |          |        |        |        |
| PERFORMANCE TEST CONDITION                           |                                   |                      |                                 | ISO5151 / 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                               | 0.22×2                                         | 0.22×2      | 0.21×2         | 15.3                                | 14.6        | 14.0        | -        | -      |        |        |
|                                                      |                                   |                      | W                               | 25×2                                           | 25×2        | 25×2           | 3.170k                              | 3.170k      | 3.170k      | -        | -      |        |        |
|                                                      | INPUT POWER                       |                      | TOTAL W                         |                                                |             |                | -                                   | 3.220k      | 3.220k      | 3.220k   | 530    | 4.200k |        |
|                                                      |                                   |                      | ANNUAL CONSUMPTION TOTAL kWh ※4 |                                                |             |                | -                                   | 1610        | -           | -        | -      |        |        |
|                                                      | EER/EER CLASS                     |                      | TOTAL(W/W)※5/("A"~"G")          |                                                |             |                | -                                   | 3.11        | 3.11 / B    | 3.11     | 5.09   | 2.74   |        |
|                                                      |                                   |                      | Pdsign                          |                                                | kW          | -              | -                                   | -           | -           | 10.0     | -      |        |        |
|                                                      | Erp<br>※6                         | SEER                 |                                 | (W/W)                                          | -           | -              | -                                   | -           | 6.4         | -        |        |        |        |
|                                                      |                                   | Annual consumption   |                                 | kWh                                            | -           | -              | -                                   | -           | 547         | -        |        |        |        |
| POWER FACTOR                                         |                                   | %                    |                                 | -                                              | -           | -              | 94                                  | 94          | 94          | -        | -      |        |        |
|                                                      |                                   | NOISE INDOOR (H/M/L) |                                 | dB-A                                           | 32/29/27    |                |                                     |             | -           |          |        |        |        |
| NOISE OUTDOOR (H/L)                                  |                                   | Power Level dB       |                                 | 49/46/44                                       |             |                |                                     | -           |             |          |        |        |        |
|                                                      |                                   | NOISE OUTDOOR (H/L)  |                                 | dB-A                                           |             |                |                                     |             | 54/-        |          |        |        |        |
|                                                      |                                   | Power Level dB       |                                 |                                                |             |                |                                     | 70/-        |             |          |        |        |        |
|                                                      |                                   | CAPACITY             |                                 | kW                                             | 10.0        | 10.0           | 10.0                                |             |             |          | 2.1    | 13.8   |        |
|                                                      |                                   | BTU/h                |                                 | 34100                                          | 34100       | 34100          |                                     |             |             | 7200     | 47100  |        |        |
|                                                      |                                   | CURRENT              |                                 | A                                              | 0.20×2      | 0.20×2         | 0.19×2                              | 12.2        | 11.8        | 11.3     | -      | -      |        |
|                                                      |                                   | INPUT POWER          |                                 | W                                              | 25×2        | 25×2           | 25×2                                | 2.580k      | 2.580k      | 2.580k   | -      | -      |        |
|                                                      |                                   |                      |                                 | 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          | -              | -                                   | -           | -           | 10.0     | -      |        |        |
| Tbivalen                                             | °C                                |                      |                                 | -                                              | -           | -              | -                                   | -8          | -           |          |        |        |        |
| SCOP                                                 | (W/W)                             |                      |                                 | -                                              | -           | -              | -                                   | 4.0         | -           |          |        |        |        |
| Annual consumption                                   | kWh                               |                      |                                 | -                                              | -           | -              | -                                   | 3500        | -           |          |        |        |        |
|                                                      |                                   | POWER FACTOR         |                                 | %                                              |             | -              | -                                   | -           | 96          | 95       | 95     | -      | -      |
|                                                      |                                   | NOISE INDOOR (H/M/L) |                                 | dB-A                                           | 32/29/27    |                |                                     |             | -           |          |        | /      | /      |
| Power Level dB                                       |                                   |                      |                                 | 49/46/44                                       |             |                |                                     | -           |             |          |        |        |        |
|                                                      |                                   | 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)                    |                                   |                      |                                 | 0.22×2/25×2                                    | 0.22×2/25×2 | 0.21×2/25×2    | 25.0/5.300k                         | 25.0/5.500k | 25.0/5.700k | /        |        |        |        |
| STARTING CURRENT(A)/COMP OUTPUT(W)                   |                                   |                      |                                 | -                                              | -           | -              | 15.3/1.7k                           | 14.6/1.7k   | 14.0/1.7k   | /        |        |        |        |
| NETWORK IMPEDANCE (ΩMAX.)                            |                                   |                      |                                 | -                                              |             |                | -                                   |             |             |          |        |        |        |
| FM OUTPUT (W)                                        |                                   |                      |                                 | 60×2                                           |             |                | 90                                  |             |             | /        |        |        |        |
| MOISTURE REMOVAL VOLUME                              |                                   |                      |                                 | L/h(Pt/h)                                      | 6.0         | (3.0×2)        | (12.6)                              | -           |             |          |        |        |        |
| External static pressure                             |                                   |                      |                                 | Pa                                             | -           |                |                                     |             |             |          |        |        |        |
| I/D AIR FLOW                                         | COOL                              | m³/min (ft³/min)     | [16/13.5/12 (565/477/424)]×2    |                                                |             |                |                                     |             |             |          |        |        |        |
|                                                      | HEAT                              | m³/min (ft³/min)     | [16/13.5/12 (565/477/424)]×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                                                    | D                                 | HEIGHT : H mm(inch)  | 256 (10-3/32)                   |                                                |             | 996 (39-7/32)  |                                     |             | /           |          |        |        |        |
| R                                                    | I                                 | WIDTH : W mm(inch)   | 840 (33-3/32)                   |                                                |             | 940 (37-1/32)  |                                     |             | /           |          |        |        |        |
| O                                                    | M                                 | DEPTH : D mm(inch)   | 840 (33-3/32)                   |                                                |             | 340 (13-13/32) |                                     |             | /           |          |        |        |        |
| P                                                    | D                                 | HEIGHT : H mm        | 298                             |                                                |             | 1136           |                                     |             | /           |          |        |        |        |
| A                                                    | I                                 | WIDTH : W mm         | 929                             |                                                |             | 1055           |                                     |             | /           |          |        |        |        |
| C                                                    | M                                 | DEPTH : D mm         | 929                             |                                                |             | 485            |                                     |             | /           |          |        |        |        |
| MASS                                                 |                                   | (NET) kg(lb)         | 23 (51)                         |                                                |             | 73 (161)       |                                     |             | /           |          |        |        |        |
|                                                      |                                   | (GROSS) kg(lb)       | 29 (64)                         |                                                |             | 81 (179)       |                                     |             | /           |          |        |        |        |
| LAYERS LIMIT (actually)                              |                                   |                      |                                 | 11 (12)                                        |             |                | 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.

\*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

#### 1. 4-Way Cassette Type S-60PU1E5A / U-60PEY1E5

|                                       |                                   |                                       |                       |                                                |                                       |         |                                     |            |           |        |        |        |
|---------------------------------------|-----------------------------------|---------------------------------------|-----------------------|------------------------------------------------|---------------------------------------|---------|-------------------------------------|------------|-----------|--------|--------|--------|
| INDOOR                                |                                   |                                       | MODEL                 |                                                | S-60PU1E5A                            |         |                                     |            |           |        |        |        |
| PANEL                                 |                                   |                                       | MODEL                 |                                                | CZ-KPU21                              |         |                                     |            |           |        |        |        |
| OUTDOOR                               |                                   |                                       | MODEL                 |                                                |                                       |         |                                     | U-60PEY1E5 |           |        |        |        |
| Branch pipe                           |                                   |                                       | MODEL                 |                                                |                                       |         |                                     |            |           |        |        |        |
| PERFORMANCE TEST CONDITION            |                                   |                                       |                       |                                                | ISO5151 / 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                     |                                                | 0.32                                  | 0.31    | 0.30                                | 8.30       | 7.90      | 7.60   | -      | -      |
|                                       | INPUT POWER                       |                                       | W                     |                                                | 35                                    | 35      | 35                                  | 1.655k     | 1.655k    | 1.655k | -      | -      |
|                                       |                                   |                                       | TOTAL W               |                                                | -                                     |         |                                     | 1.690k     | 1.690k    | 1.690k | 325    | 2.500k |
|                                       | ANNUAL CONSUMPTION                |                                       | TOTAL kWh ※ 4         |                                                | -                                     |         |                                     | 845        | 845       | 845    | -      | -      |
|                                       | EER/EER CLASS                     |                                       | TOTAL(W/W)※5("A"~"G") |                                                | -                                     | -       | -                                   | 3.55       | 3.55 / A  | 3.55   | 6.15   | 2.80   |
|                                       | Erp<br>※ 6                        | Pdsign                                | kW                    |                                                | -                                     | -       | -                                   | -          | 6.0       | -      |        |        |
|                                       |                                   | SEER                                  | (W/W)                 |                                                | -                                     | -       | -                                   | -          | 6.8       | -      |        |        |
|                                       | H<br>E<br>A<br>T<br>I<br>N<br>G   | Erp<br>※ 6                            | Annual consumption    | kWh                                            |                                       | -       | -                                   | -          | -         | 309    | -      |        |
| Class                                 |                                   |                                       |                       |                                                | -                                     | -       | -                                   | -          | A++       | -      |        |        |
| POWER FACTOR                          |                                   | %                                     |                       | -                                              | -                                     | -       | 91                                  | 91         | 91        | -      | -      |        |
| NOISE INDOOR                          |                                   | dB-A (H/M/L)                          |                       | 36/31/28                                       |                                       |         |                                     |            |           |        |        |        |
|                                       |                                   | Power Level dB                        |                       | 53/48/45                                       |                                       |         |                                     |            |           |        |        |        |
| NOISE OUTDOOR                         |                                   | dB-A (H/L)                            |                       |                                                |                                       |         | 46/-                                |            |           |        |        |        |
|                                       |                                   | Power Level dB                        |                       |                                                |                                       |         | 65/-                                |            |           |        |        |        |
| CAPACITY                              |                                   | kW                                    |                       | 6.0                                            | 6.0                                   | 6.0     |                                     |            |           | 1.8    | 7.0    |        |
|                                       |                                   | BTU/h                                 |                       | 20500                                          | 20500                                 | 20500   |                                     |            |           | 6100   | 23900  |        |
| CURRENT                               |                                   | A                                     |                       | 0.30                                           | 0.30                                  | 0.29    | 7.20                                | 6.90       | 6.60      | -      | -      |        |
| INPUT POWER                           |                                   | W                                     |                       | 35                                             | 35                                    | 35      | 1.445k                              | 1.445k     | 1.445k    | -      | -      |        |
|                                       |                                   | TOTAL W                               |                       | -                                              |                                       |         | 1.480k                              | 1.480k     | 1.480k    | 275    | 2.155k |        |
| COP/COP CLASS                         |                                   | TOTAL(W/W)※5("A"~"G")                 |                       | -                                              | -                                     | -       | 4.05                                | 4.05 / A   | 4.05      | 6.55   | 3.25   |        |
| Erp<br>※ 6                            | Pdsign                            | kW                                    |                       | -                                              | -                                     | -       | -                                   | 6.0        | -         |        |        |        |
|                                       | Tbivalen                          | °C                                    |                       | -                                              | -                                     | -       | -                                   | -6         | -         |        |        |        |
|                                       | SCOP                              | (W/W)                                 |                       | -                                              | -                                     | -       | -                                   | 4.0        | -         |        |        |        |
|                                       | Annual consumption                | kWh                                   |                       | -                                              | -                                     | -       | -                                   | 2100       | -         |        |        |        |
|                                       | Class                             |                                       |                       | -                                              | -                                     | -       | -                                   | A+         | -         |        |        |        |
| POWER FACTOR                          |                                   | %                                     |                       | -                                              | -                                     | -       | 91                                  | 91         | 91        | -      | -      |        |
| NOISE INDOOR                          |                                   | dB-A (H/M/L)                          |                       | 36/31/28                                       |                                       |         |                                     |            |           | /      | /      |        |
|                                       |                                   | Power Level dB                        |                       | 53/48/45                                       |                                       |         |                                     |            |           |        |        |        |
| 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)     |                                   |                                       |                       | 0.32/35                                        | 0.31/35                               | 0.30/35 | 18/3.64k                            | 18/3.77k   | 18/3.93k  | /      |        |        |
| STARTING CURRENT(A)/COMP OUTPUT(W)    |                                   |                                       |                       | -                                              | -                                     | -       | 8.30/1.7k                           | 7.90/1.7k  | 7.60/1.7k | /      |        |        |
| NETWORK IMPEDANCE (ΩMAX.)             |                                   |                                       |                       | -                                              |                                       |         | -                                   |            |           |        |        |        |
| FM OUTPUT (W)                         |                                   |                                       |                       | 60                                             |                                       |         | 90                                  |            |           | /      |        |        |
| MOISTURE REMOVAL VOLUME               |                                   |                                       | L/h(Pt/h)             | 3.40                                           | (7.1)                                 |         | -                                   |            |           |        |        |        |
| External static pressure              |                                   |                                       | Pa                    | -                                              |                                       |         |                                     |            |           |        |        |        |
| I/D AIR FLOW                          | COOL                              | m³/min (ft³/min)                      |                       | 21/17/14 (742/600/494)                         |                                       |         |                                     |            |           |        |        |        |
|                                       | HEAT                              | m³/min (ft³/min)                      |                       | 21/17/14 (742/600/494)                         |                                       |         |                                     |            |           |        |        |        |
| 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)                   |                       | 256 (10-3/32)                                  |                                       |         | 569 (22-13/32)                      |            |           | /      |        |        |
|                                       | I                                 | WIDTH : W mm(inch)                    |                       | 840 (33-3/32)                                  |                                       |         | 790 (31-7/64)                       |            |           | /      |        |        |
|                                       | M                                 | DEPTH : D mm(inch)                    |                       | 840 (33-3/32)                                  |                                       |         | 285 (11-7/32)                       |            |           | /      |        |        |
| P<br>A<br>C<br>M                      | D                                 | HEIGHT : H mm                         |                       | 298                                            |                                       |         | 645                                 |            |           | /      |        |        |
|                                       | I                                 | WIDTH : W mm                          |                       | 929                                            |                                       |         | 921                                 |            |           | /      |        |        |
|                                       | M                                 | DEPTH : D mm                          |                       | 929                                            |                                       |         | 386                                 |            |           | /      |        |        |
| MASS                                  |                                   | (NET) kg(lb)                          |                       | 24 (53)                                        |                                       |         | 42 (93)                             |            |           | /      |        |        |
|                                       |                                   | (GROSS) kg(lb)                        |                       | 30 (67)                                        |                                       |         | 46 (101)                            |            |           | /      |        |        |
| LAYERS LIMIT (actually)               |                                   |                                       |                       | 11 (12)                                        |                                       |         | 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.

# Simultaneous (Twin) -Type

## 1-1. Unit Specifications

### PEY1

#### 1. 4-Way Cassette Type S-60PU1E5A×2 / U-125PEY1E5

|                                       |                                       |                        |                                                |                             |              |                                     |             |             |        |        |        |
|---------------------------------------|---------------------------------------|------------------------|------------------------------------------------|-----------------------------|--------------|-------------------------------------|-------------|-------------|--------|--------|--------|
| INDOOR                                |                                       |                        | MODEL                                          | S-60PU1E5A×2                |              |                                     |             |             |        |        |        |
| PANEL                                 |                                       |                        | MODEL                                          | CZ-KPU21×2                  |              |                                     |             |             |        |        |        |
| OUTDOOR                               |                                       |                        | MODEL                                          |                             |              |                                     | U-125PEY1E5 |             |        |        |        |
| Branch pipe                           |                                       |                        | MODEL                                          |                             |              |                                     | CZ-P155BK1  |             |        |        |        |
| PERFORMANCE TEST CONDITION            |                                       |                        |                                                | ISO5151 / 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                                              | 0.32×2                      | 0.31×2       | 0.30×2                              | 19.4        | 18.5        | 17.7   | -      | -      |
|                                       |                                       |                        | W                                              | 35×2                        | 35×2         | 35×2                                | 3.950k      | 3.950k      | 3.950k | -      | -      |
|                                       | INPUT POWER                           |                        | TOTAL W                                        |                             |              |                                     | 4.020k      | 4.020k      | 4.020k | 900    | 5.000k |
|                                       |                                       |                        | ANNUAL CONSUMPTION                             |                             | TOTAL kWh ※4 |                                     |             |             | -      | 2010   | -      |
|                                       | EER/EER CLASS                         |                        | TOTAL(W/W)※5/("A"~"G")                         | -                           | -            | -                                   | 3.11        | 3.11 / B    | 3.11   | 4.22   | 2.70   |
|                                       | Erp<br>※6                             | Pdsign                 | kW                                             | -                           | -            | -                                   | -           | -           | -      |        |        |
|                                       |                                       | SEER                   | (W/W)                                          | -                           | -            | -                                   | -           | -           | -      |        |        |
|                                       | H<br>E<br>A<br>T<br>I<br>N<br>G       | Erp<br>※6              | Annual consumption                             | kWh                         | -            | -                                   | -           | -           | -      | -      |        |
| Class                                 |                                       |                        | -                                              | -                           | -            | -                                   | -           | -           |        |        |        |
| POWER FACTOR                          |                                       | %                      | -                                              | -                           | -            | 93                                  | 93          | 93          | -      | -      |        |
| NOISE INDOOR<br>(H/M/L)               |                                       | dB-A                   | 36/31/28                                       |                             |              |                                     |             |             |        |        |        |
|                                       |                                       | Power Level dB         | 53/48/45                                       |                             |              |                                     |             |             |        |        |        |
| NOISE OUTDOOR<br>(H/L)                |                                       | dB-A                   |                                                |                             |              | 56/-                                |             |             |        |        |        |
|                                       |                                       | Power Level dB         |                                                |                             |              | 73/-                                |             |             |        |        |        |
| CAPACITY                              |                                       | kW                     | 12.5                                           | 12.5                        | 12.5         |                                     |             |             | 3.4    | 15.0   |        |
|                                       |                                       | BTU/h                  | 42700                                          | 42700                       | 42700        |                                     |             |             | 11600  | 51200  |        |
| CURRENT                               |                                       | A                      | 0.30×2                                         | 0.30×2                      | 0.29×2       | 15.6                                | 14.9        | 14.3        | -      | -      |        |
| INPUT POWER                           |                                       | W                      | 35×2                                           | 35×2                        | 35×2         | 3.220k                              | 3.220k      | 3.220k      | -      | -      |        |
|                                       |                                       | TOTAL W                |                                                |                             |              | 3.290k                              | 3.290k      | 3.290k      | 730    | 4.400k |        |
| COP/COP CLASS                         |                                       | TOTAL(W/W)※5/("A"~"G") | -                                              | -                           | -            | 3.80                                | 3.80 / A    | 3.80        | 4.66   | 3.41   |        |
| Erp<br>※6                             | Pdsign                                | kW                     | -                                              | -                           | -            | -                                   | -           | -           |        |        |        |
|                                       | Tbivalen                              | °C                     | -                                              | -                           | -            | -                                   | -           | -           |        |        |        |
| Erp<br>※6                             | SCOP                                  | (W/W)                  | -                                              | -                           | -            | -                                   | -           | -           |        |        |        |
|                                       | Annual consumption                    | kWh                    | -                                              | -                           | -            | -                                   | -           | -           |        |        |        |
| Erp<br>※6                             | Class                                 | -                      | -                                              | -                           | -            | -                                   | -           | -           |        |        |        |
|                                       | POWER FACTOR                          |                        | %                                              | -                           | -            | -                                   | 94          | 94          | 94     | -      | -      |
| NOISE INDOOR<br>(H/M/L)               |                                       | dB-A                   | 36/31/28                                       |                             |              |                                     |             |             | /      | /      |        |
|                                       |                                       | Power Level dB         | 53/48/45                                       |                             |              |                                     |             |             | /      | /      |        |
| 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)     |                                       |                        | 0.32×2/35×2                                    | 0.31×2/35×2                 | 0.30×2/35×2  | 29.0/6.000k                         | 29.0/6.300k | 29.0/6.600k | /      |        |        |
| STARTING CURRENT(A)/COMP OUTPUT(W)    |                                       |                        | -                                              | -                           | -            | 19.4/3.0k                           | 18.5/3.0k   | 17.7/3.0k   | /      |        |        |
| NETWORK IMPEDANCE (ΩMAX.)             |                                       |                        |                                                |                             |              |                                     |             |             |        |        |        |
| FM OUTPUT (W)                         |                                       |                        | 60×2                                           |                             |              | 90                                  |             |             | /      |        |        |
| MOISTURE REMOVAL VOLUME               |                                       |                        | L/h(Pt/h)                                      | 7.9                         | (3.95×2)     | (16.6)                              |             |             |        |        |        |
| External static pressure              |                                       |                        | Pa                                             |                             |              |                                     |             |             |        |        |        |
| I/D AIR FLOW                          | COOL                                  | m³/min (ft³/min)       | [21/17/14 (742/600/494)]×2                     |                             |              |                                     |             |             |        |        |        |
|                                       | HEAT                                  | m³/min (ft³/min)       | [21/17/14 (742/600/494)]×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>O<br>M                      | D                                     | HEIGHT : H mm(inch)    | 256 (10-3/32)                                  |                             |              | 996 (39-7/32)                       |             |             | /      |        |        |
|                                       | I                                     | WIDTH : W mm(inch)     | 840 (33-3/32)                                  |                             |              | 940 (37-1/32)                       |             |             | /      |        |        |
|                                       | M                                     | DEPTH : D mm(inch)     | 840 (33-3/32)                                  |                             |              | 340 (13-13/32)                      |             |             | /      |        |        |
| P<br>A<br>C<br>M                      | D                                     | HEIGHT : H mm          | 298                                            |                             |              | 1136                                |             |             | /      |        |        |
|                                       | I                                     | WIDTH : W mm           | 929                                            |                             |              | 1055                                |             |             | /      |        |        |
|                                       | M                                     | DEPTH : D mm           | 929                                            |                             |              | 485                                 |             |             | /      |        |        |
| MASS                                  | (NET) kg(lb)                          | 24 (53)                |                                                |                             | 85 (187)     |                                     |             | /           |        |        |        |
|                                       | (GROSS) kg(lb)                        | 30 (67)                |                                                |                             | 93 (205)     |                                     |             | /           |        |        |        |
| LAYERS LIMIT (actually)               |                                       |                        | 11 (12)                                        |                             |              | 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.

\*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

#### 1. 4-Way Cassette Type S-71PU1E5A / U-71PEY1E5

|                                       |                                   |                     |                                                |                        |             |          |                                     |            |              |           |           |        |   |
|---------------------------------------|-----------------------------------|---------------------|------------------------------------------------|------------------------|-------------|----------|-------------------------------------|------------|--------------|-----------|-----------|--------|---|
| INDOOR                                |                                   |                     | MODEL                                          |                        | S-71PU1E5A  |          |                                     |            |              |           |           |        |   |
| PANEL                                 |                                   |                     | MODEL                                          |                        | CZ-KPU21    |          |                                     |            |              |           |           |        |   |
| OUTDOOR                               |                                   |                     | MODEL                                          |                        |             |          |                                     | -          |              |           |           |        |   |
| Branch pipe                           |                                   |                     | MODEL                                          |                        |             |          |                                     | U-71PEY1E5 |              |           |           |        |   |
| PERFORMANCE TEST CONDITION            |                                   |                     | ISO5151 / 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                                              |                        | 0.36        | 0.33     | 0.32                                | 10.70      | 10.30        | 9.80      | -         | -      |   |
|                                       |                                   |                     | W                                              |                        | 40          | 40       | 40                                  | 2.150k     | 2.150k       | 2.150k    | -         | -      |   |
|                                       | INPUT POWER                       |                     | TOTAL W                                        |                        | -           |          |                                     | 2.190k     | 2.190k       | 2.190k    | 325       | 2.800k |   |
|                                       |                                   |                     | TOTAL kWh ※ 4                                  |                        | -           |          |                                     | 1095       | 1095         | 1095      | -         | -      |   |
|                                       | EER/EER CLASS                     |                     | TOTAL(W/W)※5("A"~"G")                          |                        | -           | -        | -                                   | 3.24       | 3.24 / A     | 3.24      | 6.15      | 2.75   |   |
|                                       | Erp<br>※ 6                        | Pdsign              | kW                                             |                        | -           | -        | -                                   | -          | 7.1          | -         |           |        |   |
|                                       |                                   | SEER                | (W/W)                                          |                        | -           | -        | -                                   | -          | 6.3          | -         |           |        |   |
|                                       |                                   | Annual consumption  | kWh                                            |                        | -           | -        | -                                   | -          | 394          | -         |           |        |   |
| Class                                 |                                   |                     |                                                | -                      | -           | -        | -                                   | A++        | -            |           |           |        |   |
| POWER FACTOR                          |                                   |                     | %                                              |                        | -           | -        | -                                   | 91         | 91           | 91        | -         | -      |   |
| NOISE INDOOR                          |                                   |                     | dB-A (H/M/L)                                   |                        | 37/31/28    |          |                                     |            |              |           |           |        |   |
|                                       |                                   |                     | Power Level dB                                 |                        | 54/48/45    |          |                                     |            |              |           |           |        |   |
| 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                                              |                        | 0.35        | 0.32     | 0.31                                | 9.10       | 8.70         | 8.30      | -         | -      |   |
|                                       |                                   |                     | W                                              |                        | 40          | 40       | 40                                  | 1.840k     | 1.840k       | 1.840k    | -         | -      |   |
|                                       | INPUT POWER                       |                     | TOTAL W                                        |                        | -           |          |                                     | 1.880k     | 1.880k       | 1.880k    | 275       | 2.510k |   |
|                                       |                                   |                     | TOTAL(W/W)※5("A"~"G")                          |                        | -           | -        | -                                   | 3.78       | 3.78 / A     | 3.78      | 6.55      | 3.23   |   |
|                                       | Erp<br>※ 6                        | Pdsign              | kW                                             |                        | -           | -        | -                                   | -          | 6.0          | -         |           |        |   |
|                                       |                                   | Tbivalen            | °C                                             |                        | -           | -        | -                                   | -          | -6           | -         |           |        |   |
|                                       |                                   | SCOP                | (W/W)                                          |                        | -           | -        | -                                   | -          | 4.0          | -         |           |        |   |
|                                       |                                   | Annual consumption  | kWh                                            |                        | -           | -        | -                                   | -          | 2100         | -         |           |        |   |
|                                       | Class                             |                     |                                                | -                      | -           | -        | -                                   | -          | A+           | -         |           |        |   |
|                                       |                                   | POWER FACTOR        |                                                |                        | %           |          | -                                   | -          | -            | 92        | 92        | 92     | - |
|                                       | NOISE INDOOR                      |                     |                                                | dB-A (H/M/L)           |             | 37/31/28 |                                     |            | -            |           |           | /      | / |
|                                       |                                   |                     |                                                | Power Level dB         |             | 54/48/45 |                                     |            | -            |           |           |        |   |
|                                       | 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)     |                                   |                     | 0.36/40                                        |                        | 0.33/40     |          | 0.32/40                             |            | 18/3.64k     | 18/3.81k  | 18/3.97k  | /      |   |
| STARTING CURRENT(A)/COMP OUTPUT(W)    |                                   |                     | -                                              |                        | -           |          | -                                   |            | 10.7/2.2k    | 10.3/2.2k | 9.80/2.2k | /      |   |
| NETWORK IMPEDANCE (ΩMAX.)             |                                   |                     | -                                              |                        |             |          | -                                   |            |              |           |           |        |   |
| FM OUTPUT (W)                         |                                   |                     | 60                                             |                        |             |          | 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)    |                                                | 22/17/14 (777/600/494) |             |          |                                     |            |              |           |           |        |   |
|                                       | HEAT                              | m³/min (ft³/min)    |                                                | 22/17/14 (777/600/494) |             |          |                                     |            |              |           |           |        |   |
| 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) |                                                | 256 (10-3/32)          |             |          |                                     | 569        | (22-13/32)   |           |           |        |   |
|                                       | I                                 | WIDTH : W mm(inch)  |                                                | 840 (33-3/32)          |             |          |                                     | 790        | (31-7/64)    |           |           |        |   |
|                                       | M                                 | DEPTH : D mm(inch)  |                                                | 840 (33-3/32)          |             |          |                                     | 285        | (11-7/32)    |           |           |        |   |
| P<br>A<br>C<br>M                      | D                                 | HEIGHT : H mm       |                                                | 298                    |             |          |                                     | 645        |              |           |           |        |   |
|                                       | I                                 | WIDTH : W mm        |                                                | 929                    |             |          |                                     | 921        |              |           |           |        |   |
|                                       | M                                 | DEPTH : D mm        |                                                | 929                    |             |          |                                     | 386        |              |           |           |        |   |
| MASS                                  | (NET) kg(lb)                      |                     | 24 (53)                                        |                        |             |          | 42 (93)                             |            |              |           |           |        |   |
|                                       | (GROSS) kg(lb)                    |                     | 30 (67)                                        |                        |             |          | 46 (101)                            |            |              |           |           |        |   |
| LAYERS LIMIT (actually)               |                                   |                     | 11 (12)                                        |                        |             |          | 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

#### 1. 4-Way Cassette Type S-100PU1E5A / U-100PEY1E5

|                                                      |                                   |                         |                        |                         |                                                |          |                |                                     |             |             |          |        |      |      |
|------------------------------------------------------|-----------------------------------|-------------------------|------------------------|-------------------------|------------------------------------------------|----------|----------------|-------------------------------------|-------------|-------------|----------|--------|------|------|
| INDOOR                                               |                                   |                         | MODEL                  |                         | S-100PU1E5A                                    |          |                |                                     |             |             |          |        |      |      |
| PANEL                                                |                                   |                         | MODEL                  |                         | CZ-KPU21                                       |          |                |                                     |             |             |          |        |      |      |
| OUTDOOR                                              |                                   |                         | MODEL                  |                         |                                                |          |                | U-100PEY1E5                         |             |             |          |        |      |      |
| Branch pipe                                          |                                   |                         | MODEL                  |                         |                                                |          |                | -                                   |             |             |          |        |      |      |
| PERFORMANCE TEST CONDITION                           |                                   |                         |                        |                         | ISO5151 / 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                      |                         | 0.73                                           | 0.71     | 0.71           | 15.1                                | 14.4        | 13.8        | -        | -      |      |      |
|                                                      |                                   |                         | W                      |                         | 95                                             | 95       | 95             | 3.125k                              | 3.125k      | 3.125k      | -        | -      |      |      |
|                                                      | INPUT POWER                       |                         | TOTAL W                |                         | -                                              |          |                | 3.220k                              | 3.220k      | 3.220k      | 530      | 4.200k |      |      |
|                                                      |                                   |                         | TOTAL kWh ※4           |                         | -                                              |          |                | -                                   | 1610        | -           | -        | -      |      |      |
|                                                      | EER/EER CLASS                     |                         | TOTAL(W/W)※5/(“A”~“G”) |                         | -                                              | -        | -              | 3.11                                | 3.11 / B    | 3.11        | 5.09     | 2.74   |      |      |
|                                                      | Erp<br>※6                         | Pdsign                  | kW                     |                         | -                                              | -        | -              | -                                   | 10.0        | -           |          |        |      |      |
|                                                      |                                   | SEER                    | (W/W)                  |                         | -                                              | -        | -              | -                                   | 6.4         | -           |          |        |      |      |
|                                                      |                                   | Annual consumption      | kWh                    |                         | -                                              | -        | -              | -                                   | 547         | -           |          |        |      |      |
| Class                                                |                                   |                         |                        | -                       | -                                              | -        | -              | A++                                 | -           |             |          |        |      |      |
| POWER FACTOR                                         |                                   |                         | %                      |                         | -                                              | -        | -              | 94                                  | 94          | 94          | -        | -      |      |      |
| NOISE INDOOR<br>(H/M/L)                              |                                   |                         | dB-A                   |                         | 44/38/32                                       |          |                | -                                   |             |             |          |        |      |      |
|                                                      |                                   |                         | Power Level dB         |                         | 62/55/49                                       |          |                | -                                   |             |             |          |        |      |      |
| 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                      |                         | 0.66                                           | 0.65     | 0.64           | 12.0                                | 11.6        | 11.2        | -        | -      |      |      |
|                                                      |                                   |                         | W                      |                         | 85                                             | 85       | 85             | 2.545k                              | 2.545k      | 2.545k      | -        | -      |      |      |
|                                                      | 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                     |                         | -                                              | -        | -              | -                                   | 10.0        | -           |          |        |      |      |
|                                                      |                                   | Tbivalen                | °C                     |                         | -                                              | -        | -              | -                                   | -8          | -           |          |        |      |      |
|                                                      |                                   | SCOP                    | (W/W)                  |                         | -                                              | -        | -              | -                                   | 4.0         | -           |          |        |      |      |
|                                                      |                                   | Annual consumption      | kWh                    |                         | -                                              | -        | -              | -                                   | 3500        | -           |          |        |      |      |
|                                                      | POWER FACTOR                      | Class                   |                        |                         |                                                | -        | -              | -                                   | -           | A+          | -        |        |      |      |
|                                                      |                                   | %                       |                        |                         |                                                | -        | -              | -                                   | 96          | 95          | 95       | -      | -    |      |
|                                                      |                                   | NOISE INDOOR<br>(H/M/L) |                        |                         | dB-A                                           |          | 44/38/32       |                                     |             | -           |          |        | /    | /    |
|                                                      |                                   |                         |                        |                         | Power Level dB                                 |          | 62/55/49       |                                     |             | -           |          |        |      |      |
|                                                      | 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)                    |                                   |                         |                        |                         | 0.73/95                                        | 0.71/95  | 0.71/95        | 25.0/5.300k                         | 25.0/5.500k | 25.0/5.700k | /        |        |      |      |
| STARTING CURRENT(A)/COMP OUTPUT(W)                   |                                   |                         |                        |                         | -                                              | -        | -              | 15.1/1.7k                           | 14.4/1.7k   | 13.8/1.7k   | /        |        |      |      |
| NETWORK IMPEDANCE (ΩMAX.)                            |                                   |                         |                        |                         | -                                              |          |                | -                                   |             |             |          |        |      |      |
| FM OUTPUT (W)                                        |                                   |                         |                        |                         | 90                                             |          |                | 90                                  |             |             | /        |        |      |      |
| MOISTURE REMOVAL VOLUME                              |                                   |                         |                        |                         | L/h(Pt/h)                                      |          | 6.0            | (12.6)                              |             | -           |          |        |      |      |
| External static pressure                             |                                   |                         |                        |                         | Pa                                             |          | -              |                                     |             |             |          |        |      |      |
| I/D AIR FLOW                                         | COOL                              | m³/min (ft³/min)        |                        | 33/27/21 (1165/953/742) |                                                |          |                |                                     |             |             |          |        |      |      |
|                                                      | HEAT                              | m³/min (ft³/min)        |                        | 33/27/21 (1165/953/742) |                                                |          |                |                                     |             |             |          |        |      |      |
| 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>I<br>D<br>O<br>M                           | D                                 | HEIGHT : H mm(inch)     |                        | 319 (12-9/16)           |                                                |          | 996 (39-7/32)  |                                     |             | /           |          |        |      |      |
|                                                      | I                                 | WIDTH : W mm(inch)      |                        | 840 (33-3/32)           |                                                |          | 940 (37-1/32)  |                                     |             | /           |          |        |      |      |
|                                                      | M                                 | DEPTH : D mm(inch)      |                        | 840 (33-3/32)           |                                                |          | 340 (13-13/32) |                                     |             | /           |          |        |      |      |
| P<br>A<br>C<br>M                                     | D                                 | HEIGHT : H mm           |                        | 361                     |                                                |          | 1136           |                                     |             | /           |          |        |      |      |
|                                                      | I                                 | WIDTH : W mm            |                        | 929                     |                                                |          | 1055           |                                     |             | /           |          |        |      |      |
|                                                      | M                                 | DEPTH : D mm            |                        | 929                     |                                                |          | 485            |                                     |             | /           |          |        |      |      |
| MASS                                                 | (NET) kg(lb)                      |                         | 27 (60)                |                         |                                                | 73 (161) |                |                                     | /           |             |          |        |      |      |
|                                                      | (GROSS) kg(lb)                    |                         | 34 (75)                |                         |                                                | 81 (179) |                |                                     | /           |             |          |        |      |      |
| LAYERS LIMIT (actually)                              |                                   |                         |                        |                         | 11 (12)                                        |          |                | 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.

\*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

#### 1. 4-Way Cassette Type S-125PU1E5A / U-125PEY1E5

|                                       |                                   |                     |                                       |                         |                                                |             |             |                                     |          |         |       |        |
|---------------------------------------|-----------------------------------|---------------------|---------------------------------------|-------------------------|------------------------------------------------|-------------|-------------|-------------------------------------|----------|---------|-------|--------|
| INDOOR                                |                                   |                     | MODEL                                 |                         | S-125PU1E5A                                    |             |             |                                     |          |         |       |        |
| PANEL                                 |                                   |                     | MODEL                                 |                         | CZ-KPU21                                       |             |             |                                     |          |         |       |        |
| OUTDOOR                               |                                   |                     | MODEL                                 |                         |                                                |             |             | U-125PEY1E5                         |          |         |       |        |
| Branch pipe                           |                                   |                     | MODEL                                 |                         |                                                |             |             | -                                   |          |         |       |        |
| PERFORMANCE TEST CONDITION            |                                   |                     |                                       |                         | ISO5151 / 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                                     |                         | 0.77                                           | 0.76        | 0.73        | 19.2                                | 18.4     | 17.6    | -     | -      |
|                                       |                                   |                     | W                                     |                         | 100                                            | 100         | 100         | 3.920k                              | 3.920k   | 3.920k  | -     | -      |
|                                       | INPUT POWER                       |                     | TOTAL W                               |                         | -                                              |             |             | 4.020k                              | 4.020k   | 4.020k  | 900   | 5.000k |
|                                       |                                   |                     | TOTAL kWh ※4                          |                         | -                                              |             |             | -                                   | 2010     | -       | -     | -      |
|                                       | EER/EER CLASS                     |                     | TOTAL(W/W)※5("A"~"G")                 |                         | -                                              | -           | -           | 3.11                                | 3.11 / B | 3.11    | 4.22  | 2.70   |
|                                       | Erp<br>※6                         | Pdsign              | kW                                    |                         | -                                              | -           | -           | -                                   | -        | -       |       |        |
|                                       |                                   | SEER                | (W/W)                                 |                         | -                                              | -           | -           | -                                   | -        | -       |       |        |
|                                       |                                   | Annual consumption  | kWh                                   |                         | -                                              | -           | -           | -                                   | -        | -       |       |        |
| Class                                 |                                   |                     |                                       | -                       | -                                              | -           | -           | -                                   | -        |         |       |        |
| POWER FACTOR                          |                                   |                     | %                                     |                         | -                                              | -           | -           | 93                                  | 93       | 93      | -     | -      |
| NOISE INDOOR<br>(H/M/L)               |                                   |                     | dB-A                                  |                         | 45/39/33                                       |             |             | -                                   |          |         |       |        |
|                                       |                                   |                     | Power Level dB                        |                         | 63/56/50                                       |             |             | -                                   |          |         |       |        |
| 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                                     |                         | 0.75                                           | 0.73        | 0.73        | 15.4                                | 14.8     | 14.2    | -     | -      |
|                                       |                                   |                     | W                                     |                         | 100                                            | 100         | 100         | 3.190k                              | 3.190k   | 3.190k  | -     | -      |
|                                       | INPUT POWER                       |                     | TOTAL W                               |                         | -                                              |             |             | 3.290k                              | 3.290k   | 3.290k  | 730   | 4.400k |
|                                       |                                   |                     | TOTAL(W/W)※5("A"~"G")                 |                         | -                                              | -           | -           | 3.80                                | 3.80 / A | 3.80    | 4.66  | 3.41   |
|                                       | Erp<br>※6                         | Pdsign              | kW                                    |                         | -                                              | -           | -           | -                                   | -        | -       |       |        |
|                                       |                                   | Tbivalen            | °C                                    |                         | -                                              | -           | -           | -                                   | -        | -       |       |        |
|                                       |                                   | SCOP                | (W/W)                                 |                         | -                                              | -           | -           | -                                   | -        | -       |       |        |
|                                       |                                   | Annual consumption  | kWh                                   |                         | -                                              | -           | -           | -                                   | -        | -       |       |        |
| POWER FACTOR                          | %                                 |                     | -                                     | -                       | -                                              | -           | 94          | 94                                  | 94       | -       | -     |        |
|                                       | NOISE INDOOR<br>(H/M/L)           |                     |                                       | dB-A                    |                                                | 45/39/33    |             |                                     | -        |         |       | /      |
| Power Level dB                        |                                   |                     |                                       | 63/56/50                |                                                |             | -           |                                     |          |         |       |        |
| 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)     |                                   |                     | 0.77/100                              | 0.76/100                | 0.73/100                                       | 29.0/6.000k | 29.0/6.300k | 29.0/6.600k                         | /        |         |       |        |
| STARTING CURRENT(A)/COMP OUTPUT(W)    |                                   |                     | -                                     | -                       | -                                              | 19.2/3.0k   | 18.4/3.0k   | 17.6/3.0k                           | /        |         |       |        |
| NETWORK IMPEDANCE (ΩMAX.)             |                                   |                     | -                                     |                         |                                                |             | -           |                                     |          |         |       |        |
| FM OUTPUT (W)                         |                                   |                     | 90                                    |                         |                                                |             | 90          |                                     |          | /       |       |        |
| MOISTURE REMOVAL VOLUME               |                                   |                     | L/h(Pt/h)                             |                         | 7.9                                            | (16.6)      |             | -                                   |          |         |       |        |
| External static pressure              |                                   |                     | Pa                                    |                         | -                                              |             |             |                                     |          |         |       |        |
| I/D AIR FLOW                          | COOL                              | m³/min (ft³/min)    |                                       | 35/28/22 (1236/989/777) |                                                |             |             |                                     |          |         |       |        |
|                                       | HEAT                              | m³/min (ft³/min)    |                                       | 35/28/22 (1236/989/777) |                                                |             |             |                                     |          |         |       |        |
| 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) |                                       | 319 (12-9/16)           |                                                |             |             | 996 (39-7/32)                       |          | /       |       |        |
|                                       | I                                 | WIDTH : W mm(inch)  |                                       | 840 (33-3/32)           |                                                |             |             | 940 (37-1/32)                       |          | /       |       |        |
|                                       | M                                 | DEPTH : D mm(inch)  |                                       | 840 (33-3/32)           |                                                |             |             | 340 (13-13/32)                      |          | /       |       |        |
| P<br>A<br>I<br>C<br>M                 | D                                 | HEIGHT : H mm       |                                       | 361                     |                                                |             |             | 1136                                |          | /       |       |        |
|                                       | I                                 | WIDTH : W mm        |                                       | 929                     |                                                |             |             | 1055                                |          | /       |       |        |
|                                       | M                                 | DEPTH : D mm        |                                       | 929                     |                                                |             |             | 485                                 |          | /       |       |        |
| MASS                                  | (NET) kg(lb)                      |                     | 27 (60)                               |                         |                                                |             | 85 (187)    |                                     | /        |         |       |        |
|                                       | (GROSS) kg(lb)                    |                     | 34 (75)                               |                         |                                                |             | 93 (205)    |                                     | /        |         |       |        |
| LAYERS LIMIT (actually)               |                                   |                     |                                       |                         | 11 (12)                                        |             |             | 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.

\*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

#### 1. 4-Way Cassette Type S-50PU1E5A×2 / U-100PEY1E8

|                                       |                                   |                    |                                                |                |                              |                                     |            |              |            |        |      |        |   |
|---------------------------------------|-----------------------------------|--------------------|------------------------------------------------|----------------|------------------------------|-------------------------------------|------------|--------------|------------|--------|------|--------|---|
| INDOOR                                |                                   |                    | MODEL                                          |                | S-50PU1E5A×2                 |                                     |            |              |            |        |      |        |   |
| PANEL                                 |                                   |                    | MODEL                                          |                | CZ-KPU21×2                   |                                     |            |              |            |        |      |        |   |
| OUTDOOR                               |                                   |                    | MODEL                                          |                |                              |                                     |            | U-100PEY1E8  |            |        |      |        |   |
| Branch pipe                           |                                   |                    | MODEL                                          |                |                              |                                     |            | CZ-P155BK1   |            |        |      |        |   |
| PERFORMANCE TEST CONDITION            |                                   |                    | ISO5151 / 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                                              |                | 0.22×2                       | 0.22×2                              | 0.21×2     | 5.20         | 4.90       | 4.75   | -    | -      |   |
|                                       |                                   |                    | W                                              |                | 25×2                         | 25×2                                | 25×2       | 3.170k       | 3.170k     | 3.170k | -    | -      |   |
|                                       | INPUT POWER                       |                    | TOTAL W                                        |                |                              |                                     |            | 3.220k       | 3.220k     | 3.220k | 530  | 4.200k |   |
|                                       |                                   |                    | TOTAL kWh ※4                                   |                |                              |                                     |            | -            | 1610       | -      | -    | -      |   |
|                                       | EER/EER CLASS                     |                    | TOTAL(W/W)※5/("A"~"G")                         |                | -                            | -                                   | -          | 3.11         | 3.11 / B   | 3.11   | 5.09 | 2.74   |   |
|                                       | Erp<br>※6                         | Pdsign             |                                                | kW             |                              | -                                   | -          | -            | -          | 10.0   | -    |        |   |
|                                       |                                   | SEER               |                                                | (W/W)          |                              | -                                   | -          | -            | -          | 6.2    | -    |        |   |
|                                       |                                   | Annual consumption |                                                | kWh            |                              | -                                   | -          | -            | -          | 564    | -    |        |   |
|                                       |                                   | Class              |                                                |                |                              | -                                   | -          | -            | -          | A++    | -    |        |   |
|                                       | POWER FACTOR                      |                    |                                                | %              |                              | -                                   | -          | -            | 93         | 93     | 93   | -      | - |
|                                       | NOISE INDOOR<br>(H/M/L)           |                    |                                                | dB-A           |                              | 32/29/27                            |            |              |            |        |      |        |   |
|                                       |                                   |                    |                                                | Power Level dB |                              | 49/46/44                            |            |              |            |        |      |        |   |
| 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                                              |                | 0.20×2                       | 0.20×2                              | 0.19×2     | 4.20         | 4.00       | 3.85   | -    | -      |   |
|                                       |                                   |                    | W                                              |                | 25×2                         | 25×2                                | 25×2       | 2.580k       | 2.580k     | 2.580k | -    | -      |   |
|                                       | INPUT POWER                       |                    | TOTAL W                                        |                |                              |                                     |            | 2.630k       | 2.630k     | 2.630k | 410  | 4.000k |   |
|                                       |                                   |                    | TOTAL(W/W)※5/("A"~"G")                         |                | -                            | -                                   | -          | 3.80         | 3.80 / A   | 3.80   | 5.12 | 3.45   |   |
|                                       | Erp<br>※6                         | Pdsign             |                                                | kW             |                              | -                                   | -          | -            | -          | 10.0   | -    |        |   |
|                                       |                                   | Tbivalen           |                                                | °C             |                              | -                                   | -          | -            | -          | -8     | -    |        |   |
|                                       |                                   | SCOP               |                                                | (W/W)          |                              | -                                   | -          | -            | -          | 4.0    | -    |        |   |
|                                       |                                   | Annual consumption |                                                | kWh            |                              | -                                   | -          | -            | -          | 3500   | -    |        |   |
|                                       | Class                             |                    |                                                |                | -                            | -                                   | -          | -            | A+         | -      |      |        |   |
|                                       | POWER FACTOR                      |                    |                                                | %              |                              | -                                   | -          | -            | 93         | 93     | 93   | -      | - |
|                                       | NOISE INDOOR<br>(H/M/L)           |                    |                                                | dB-A           |                              | 32/29/27                            |            |              |            |        |      | /      | / |
|                                       |                                   |                    |                                                | Power Level dB |                              | 49/46/44                            |            |              |            |        |      |        |   |
|                                       | 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)     |                                   |                    |                                                | 0.22×2/25×2    | 0.22×2/25×2                  | 0.21×2/25×2                         | 9.0/5.550k | 9.0/5.800k   | 9.0/6.050k |        |      |        |   |
| STARTING CURRENT(A)/COMP OUTPUT(W)    |                                   |                    |                                                | -              | -                            | -                                   | 5.20/1.7k  | 4.90/1.7k    | 4.75/1.7k  |        |      |        |   |
| NETWORK IMPEDANCE (ΩMAX.)             |                                   |                    |                                                |                |                              |                                     |            |              |            |        |      |        |   |
| FM OUTPUT (W)                         |                                   |                    |                                                | 60×2           |                              |                                     | 90         |              |            |        |      |        |   |
| MOISTURE REMOVAL VOLUME               |                                   |                    |                                                | L/h(Pt/h)      | 6.0                          | (3.0×2)                             | (12.6)     |              |            |        |      |        |   |
| External static pressure              |                                   |                    |                                                | Pa             |                              |                                     |            |              |            |        |      |        |   |
| I/D AIR FLOW                          | COOL                              |                    | m³/min (ft³/min)                               |                | [16/13.5/12 (565/477/424)]×2 |                                     |            |              |            |        |      |        |   |
|                                       | HEAT                              |                    | m³/min (ft³/min)                               |                | [16/13.5/12 (565/477/424)]×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>O<br>M                      | HEIGHT : H mm(inch)               |                    | 256 (10-3/32)                                  |                |                              | 996 (39-7/32)                       |            |              |            |        |      |        |   |
|                                       | WIDTH : W mm(inch)                |                    | 840 (33-3/32)                                  |                |                              | 940 (37-1/32)                       |            |              |            |        |      |        |   |
|                                       | DEPTH : D mm(inch)                |                    | 840 (33-3/32)                                  |                |                              | 340 (13-13/32)                      |            |              |            |        |      |        |   |
| P<br>A<br>C<br>M                      | HEIGHT : H mm                     |                    | 298                                            |                |                              | 1136                                |            |              |            |        |      |        |   |
|                                       | WIDTH : W mm                      |                    | 929                                            |                |                              | 1055                                |            |              |            |        |      |        |   |
|                                       | DEPTH : D mm                      |                    | 929                                            |                |                              | 485                                 |            |              |            |        |      |        |   |
| MASS                                  | (NET) kg(lb)                      |                    | 23 (51)                                        |                |                              | 73 (161)                            |            |              |            |        |      |        |   |
|                                       | (GROSS) kg(lb)                    |                    | 29 (64)                                        |                |                              | 81 (179)                            |            |              |            |        |      |        |   |
| LAYERS LIMIT (actually)               |                                   |                    |                                                | 11 (12)        |                              |                                     | 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 (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

### PEY1

#### 1. 4-Way Cassette Type S-60PU1E5A×2 / U-125PEY1E8

|                                       |                                    |                       |                                                |                                       |               |                                     |             |             |                |             |             |        |
|---------------------------------------|------------------------------------|-----------------------|------------------------------------------------|---------------------------------------|---------------|-------------------------------------|-------------|-------------|----------------|-------------|-------------|--------|
| INDOOR                                |                                    |                       | MODEL                                          |                                       | S-60PU1E5A×2  |                                     |             |             |                |             |             |        |
| PANEL                                 |                                    |                       | MODEL                                          |                                       | CZ-KPU21×2    |                                     |             |             |                |             |             |        |
| OUTDOOR                               |                                    |                       | MODEL                                          |                                       |               |                                     |             | U-125PEY1E8 |                |             |             |        |
| Branch pipe                           |                                    |                       | MODEL                                          |                                       |               |                                     |             | CZ-P155BK1  |                |             |             |        |
| PERFORMANCE TEST CONDITION            |                                    |                       | ISO5151 / EN14511 / EN12102                    |                                       |               |                                     |             |             |                |             |             |        |
| POWER SUPPLY                          |                                    |                       | ø, Hz                                          |                                       | 1ø 50Hz       |                                     |             | 3ø 50Hz     |                |             |             |        |
| C<br>O<br>O<br>L<br>I<br>N<br>G       | CAPACITY                           |                       | V                                              |                                       | 220           | 230                                 | 240         | 380         | 400            | 415         | Min         | Max    |
|                                       |                                    |                       | kW                                             |                                       | 12.5          | 12.5                                | 12.5        |             |                |             | 3.8         | 13.5   |
|                                       | CURRENT                            |                       | BTU/h                                          |                                       | 42700         | 42700                               | 42700       |             |                |             | 13000       | 46100  |
|                                       |                                    |                       | A                                              |                                       | 0.32×2        | 0.31×2                              | 0.30×2      | 6.40        | 6.05           | 5.85        | -           | -      |
|                                       | INPUT POWER                        |                       | W                                              |                                       | 35×2          | 35×2                                | 35×2        | 3.950k      | 3.950k         | 3.950k      | -           | -      |
|                                       |                                    |                       | TOTAL W                                        |                                       | -             |                                     |             | 4.020k      | 4.020k         | 4.020k      | 900         | 5.000k |
|                                       | ANNUAL CONSUMPTION                 |                       | TOTAL kWh ※4                                   |                                       | -             |                                     |             | -           | 2010           | -           | -           | -      |
|                                       | EER/EER CLASS                      |                       | TOTAL(W/W)※5("A"~"G")                          |                                       | -             | -                                   | -           | 3.11        | 3.11 / B       | 3.11        | 4.22        | 2.70   |
|                                       | Erp<br>※6                          | Pdsign                | kW                                             |                                       | -             | -                                   | -           | -           | -              | -           |             |        |
|                                       |                                    | SEER                  | (W/W)                                          |                                       | -             | -                                   | -           | -           | -              | -           |             |        |
| H<br>E<br>A<br>T<br>I<br>N<br>G       | Erp<br>※6                          | Annual consumption    | kWh                                            |                                       | -             | -                                   | -           | -           | -              | -           |             |        |
|                                       |                                    | Class                 |                                                |                                       | -             | -                                   | -           | -           | -              | -           |             |        |
|                                       | POWER FACTOR                       |                       | %                                              |                                       | -             | -                                   | -           | 94          | 94             | 94          | -           | -      |
|                                       | NOISE INDOOR<br>(H/M/L)            |                       | dB-A                                           |                                       | 36/31/28      |                                     |             | -           |                |             |             |        |
|                                       |                                    |                       | Power Level dB                                 |                                       | 53/48/45      |                                     |             | -           |                |             |             |        |
|                                       | NOISE OUTDOOR<br>(H/L)             |                       | dB-A                                           |                                       |               |                                     |             | 56/-        |                |             |             |        |
|                                       |                                    |                       | Power Level dB                                 |                                       |               |                                     |             | 73/-        |                |             |             |        |
|                                       | CAPACITY                           |                       | kW                                             |                                       | 12.5          | 12.5                                | 12.5        |             |                |             | 3.4         | 15.0   |
|                                       |                                    |                       | BTU/h                                          |                                       | 42700         | 42700                               | 42700       |             |                |             | 11600       | 51200  |
|                                       | CURRENT                            |                       | A                                              |                                       | 0.30×2        | 0.30×2                              | 0.29×2      | 5.20        | 4.95           | 4.75        | -           | -      |
| INPUT POWER                           |                                    | W                     |                                                | 35×2                                  | 35×2          | 35×2                                | 3.220k      | 3.220k      | 3.220k         | -           | -           |        |
|                                       |                                    | TOTAL W               |                                                | -                                     |               |                                     | 3.290k      | 3.290k      | 3.290k         | 730         | 4.400k      |        |
| COP/COP CLASS                         |                                    | TOTAL(W/W)※5("A"~"G") |                                                | -                                     | -             | -                                   | 3.80        | 3.80 / A    | 3.80           | 4.66        | 3.41        |        |
| Erp<br>※6                             | Pdsign                             | kW                    |                                                | -                                     | -             | -                                   | -           | -           | -              |             |             |        |
|                                       | Tbivalen                           | °C                    |                                                | -                                     | -             | -                                   | -           | -           | -              |             |             |        |
| Erp<br>※6                             | SCOP                               | (W/W)                 |                                                | -                                     | -             | -                                   | -           | -           | -              |             |             |        |
|                                       | Annual consumption                 | kWh                   |                                                | -                                     | -             | -                                   | -           | -           | -              |             |             |        |
| P<br>I<br>P<br>I<br>N<br>G            | Class                              |                       |                                                | -                                     | -             | -                                   | -           | -           | -              |             |             |        |
|                                       | POWER FACTOR                       |                       | %                                              |                                       | -             | -                                   | -           | 94          | 94             | 94          | -           | -      |
|                                       | NOISE INDOOR<br>(H/M/L)            |                       | dB-A                                           |                                       | 36/31/28      |                                     |             | -           |                |             | /           | /      |
|                                       |                                    |                       | Power Level dB                                 |                                       | 53/48/45      |                                     |             | -           |                |             |             |        |
|                                       | 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)  |                       |                                                | 0.32×2/35×2                           |               |                                     | 0.31×2/35×2 | 0.30×2/35×2 | 10.0/6.200k    | 10.0/6.500k | 10.0/6.750k | /      |
|                                       | STARTING CURRENT(A)/COMP OUTPUT(W) |                       |                                                | -                                     |               |                                     | -           | -           | 6.40/3.0k      | 6.05/3.0k   | 5.85/3.0k   | /      |
|                                       | NETWORK IMPEDANCE (ΩMAX.)          |                       |                                                |                                       |               |                                     | -           |             |                |             |             |        |
| FM OUTPUT (W)                         |                                    |                       |                                                |                                       |               | 60×2                                |             |             | 90             |             |             |        |
| MOISTURE REMOVAL VOLUME               |                                    |                       | L/h(Pt/h)                                      |                                       |               | 7.9                                 | (3.95×2)    | (16.6)      | -              |             |             |        |
| External static pressure              |                                    |                       | Pa                                             |                                       |               | -                                   |             |             |                |             |             |        |
| I/D AIR FLOW                          | COOL                               | m³/min (ft³/min)      |                                                | [21/17/14 (742/600/494)]×2            |               |                                     |             |             |                |             |             |        |
|                                       | HEAT                               | m³/min (ft³/min)      |                                                | [21/17/14 (742/600/494)]×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)                |                       |                                                |                                       | 256 (10-3/32) |                                     |             |             | 996 (39-7/32)  | /           |             |        |
| R I                                   | WIDTH : W mm(inch)                 |                       |                                                |                                       | 840 (33-3/32) |                                     |             |             | 940 (37-1/32)  | /           |             |        |
| O M                                   | DEPTH : D mm(inch)                 |                       |                                                |                                       | 840 (33-3/32) |                                     |             |             | 340 (13-13/32) | /           |             |        |
| P D                                   | HEIGHT : H mm                      |                       |                                                |                                       | 298           |                                     |             |             | 1136           | /           |             |        |
| A I                                   | WIDTH : W mm                       |                       |                                                |                                       | 929           |                                     |             |             | 1055           | /           |             |        |
| C M                                   | DEPTH : D mm                       |                       |                                                |                                       | 929           |                                     |             |             | 485            | /           |             |        |
| MASS                                  | (NET) kg(lb)                       |                       |                                                |                                       | 24 (53)       |                                     |             |             | 85 (187)       | /           |             |        |
|                                       | (GROSS) kg(lb)                     |                       |                                                |                                       | 30 (67)       |                                     |             |             | 93 (205)       | /           |             |        |
| LAYERS LIMIT (actually)               |                                    |                       |                                                |                                       |               | 11 (12)                             |             |             |                | 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.

\*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

#### 1. 4-Way Cassette Type S-71PU1E5A×2 / U-140PEY1E8

|                                       |                                   |                         |                                                |                                       |             |                                     |              |             |        |        |       |
|---------------------------------------|-----------------------------------|-------------------------|------------------------------------------------|---------------------------------------|-------------|-------------------------------------|--------------|-------------|--------|--------|-------|
| INDOOR                                |                                   |                         | MODEL                                          | S-71PU1E5A×2                          |             |                                     |              |             |        |        |       |
| PANEL                                 |                                   |                         | MODEL                                          | CZ-KPU21×2                            |             |                                     |              |             |        |        |       |
| OUTDOOR                               |                                   |                         | MODEL                                          |                                       |             |                                     | U-140PEY1E8  |             |        |        |       |
| Branch pipe                           |                                   |                         | MODEL                                          |                                       |             |                                     | CZ-P155BK1   |             |        |        |       |
| PERFORMANCE TEST CONDITION            |                                   |                         |                                                | ISO5151 / 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                                              | 0.36×2                                | 0.33×2      | 0.32×2                              | 6.90         | 6.55        | 6.35   | -      | -     |
|                                       |                                   |                         | W                                              | 40×2                                  | 40×2        | 40×2                                | 4.280k       | 4.280k      | 4.280k | -      | -     |
|                                       | INPUT POWER                       |                         | TOTAL W                                        |                                       |             | 4.360k                              | 4.360k       | 4.360k      | 840    | 6.000k |       |
|                                       |                                   |                         | TOTAL kWh ※4                                   |                                       |             | -                                   | 2180         | -           | -      | -      |       |
|                                       | EER/EER CLASS                     |                         | TOTAL(W/W)※5/(“A”~“G”)                         |                                       |             | 3.21                                | 3.21 / A     | 3.21        | 3.93   | 2.58   |       |
|                                       | 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                    | 37/31/28                                       |                                       |             |                                     |              |             |        |        |       |
|                                       |                                   | Power Level dB          | 54/48/45                                       |                                       |             |                                     |              |             |        |        |       |
| 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                                              | 0.35×2                                | 0.32×2      | 0.31×2                              | 5.70         | 5.40        | 5.20   | -      | -     |
|                                       |                                   |                         | W                                              | 40×2                                  | 40×2        | 40×2                                | 3.520k       | 3.520k      | 3.520k | -      | -     |
|                                       | INPUT POWER                       |                         | TOTAL W                                        |                                       |             | 3.600k                              | 3.600k       | 3.600k      | 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                                            | -                                     | -           | -                                   | -            | -           | -      |        |       |
|                                       | POWER FACTOR                      | %                       | -                                              | -                                     | -           | 94                                  | 94           | 94          |        |        |       |
|                                       |                                   | NOISE INDOOR<br>(H/M/L) |                                                | dB-A                                  | 37/31/28    |                                     |              |             |        |        | /     |
|                                       | Power Level dB                    |                         |                                                | 54/48/45                              |             |                                     |              |             |        |        |       |
|                                       | 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)     |                                   |                         | 0.36×2/40×2                                    | 0.33×2/40×2                           | 0.32×2/40×2 | 10.0/6.200k                         | 10.0/6.500k  | 10.0/6.750k | /      |        |       |
| STARTING CURRENT(A)/COMP OUTPUT(W)    |                                   |                         | -                                              | -                                     | -           | 6.90/3.0k                           | 6.55/3.0k    | 6.35/3.0k   | /      |        |       |
| NETWORK IMPEDANCE (ΩMAX.)             |                                   |                         | -                                              |                                       |             | -                                   |              |             |        |        |       |
| FM OUTPUT (W)                         |                                   |                         | 60                                             |                                       |             | 90×2                                |              |             | /      |        |       |
| MOISTURE REMOVAL VOLUME               |                                   |                         | L/h(Pt/h)                                      | 9.0                                   | (4.5×2)     | (18.9)                              | -            |             |        |        |       |
| External static pressure              |                                   |                         | Pa                                             | -                                     |             |                                     |              |             |        |        |       |
| I/D AIR FLOW                          | COOL                              | m³/min (ft³/min)        | [22/17/14 (777/600/494)]×2                     |                                       |             |                                     |              |             |        |        |       |
|                                       | HEAT                              | m³/min (ft³/min)        | [22/17/14 (777/600/494)]×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<br>I<br>M                       | HEIGHT : H mm(inch)     | 256 (10-3/32)                                  |                                       |             | 1416 (55-3/4)                       |              |             | /      |        |       |
|                                       |                                   | WIDTH : W mm(inch)      | 840 (33-3/32)                                  |                                       |             | 940 (37-1/32)                       |              |             | /      |        |       |
|                                       |                                   | DEPTH : D mm(inch)      | 840 (33-3/32)                                  |                                       |             | 340 (13-13/32)                      |              |             | /      |        |       |
| P<br>A<br>C<br>M                      | D<br>I<br>M                       | HEIGHT : H mm           | 298                                            |                                       |             | 1556                                |              |             | /      |        |       |
|                                       |                                   | WIDTH : W mm            | 929                                            |                                       |             | 1055                                |              |             | /      |        |       |
|                                       |                                   | DEPTH : D mm            | 929                                            |                                       |             | 485                                 |              |             | /      |        |       |
| MASS                                  |                                   | (NET) kg(lb)            | 24 (53)                                        |                                       |             | 98 (216)                            |              |             | /      |        |       |
|                                       |                                   | (GROSS) kg(lb)          | 30 (67)                                        |                                       |             | 108 (238)                           |              |             | /      |        |       |
| LAYERS LIMIT (actually)               |                                   |                         | 11 (12)                                        |                                       |             | 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>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

#### 1. 4-Way Cassette Type S-100PU1E5A / U-100PEY1E8

|                                       |                                   |                             |                                                |                         |             |       |         |             |            |                                     |                |              |  |
|---------------------------------------|-----------------------------------|-----------------------------|------------------------------------------------|-------------------------|-------------|-------|---------|-------------|------------|-------------------------------------|----------------|--------------|--|
| INDOOR                                |                                   |                             | MODEL                                          |                         | S-100PU1E5A |       |         |             |            |                                     |                |              |  |
| PANEL                                 |                                   |                             | MODEL                                          |                         | CZ-KPU21    |       |         |             |            |                                     |                |              |  |
| OUTDOOR                               |                                   |                             | MODEL                                          |                         |             |       |         | U-100PEY1E8 |            |                                     |                |              |  |
| Branch pipe                           |                                   |                             | MODEL                                          |                         |             |       |         | -           |            |                                     |                |              |  |
| PERFORMANCE TEST CONDITION            |                                   |                             | ISO5151 / 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                                              |                         | 0.73        | 0.71  | 0.71    | 5.10        | 4.85       | 4.70                                | -              | -            |  |
|                                       | INPUT POWER                       |                             | W                                              |                         | 95          | 95    | 95      | 3.125k      | 3.125k     | 3.125k                              | -              | -            |  |
|                                       |                                   |                             | TOTAL W                                        |                         | -           |       |         | 3.220k      | 3.220k     | 3.220k                              | 530            | 4.200k       |  |
|                                       | ANNUAL CONSUMPTION                |                             | TOTAL kWh ※4                                   |                         | -           |       |         | -           | 1610       | -                                   | -              | -            |  |
|                                       | EER/EER CLASS                     |                             | TOTAL(W/W)※5/(“A”-“G”)                         |                         | -           | -     | -       | 3.11        | 3.11 / B   | 3.11                                | 5.09           | 2.74         |  |
|                                       | Erp<br>※6                         | Pdsign                      | kW                                             |                         | -           | -     | -       | -           | 10.0       | -                                   |                |              |  |
|                                       |                                   | SEER                        | (W/W)                                          |                         | -           | -     | -       | -           | 6.2        | -                                   |                |              |  |
|                                       |                                   | Annual consumption<br>Class | kWh                                            |                         | -           | -     | -       | -           | 564        | -                                   |                |              |  |
| POWER FACTOR                          |                                   |                             | %                                              |                         | -           | -     | -       | 93          | 93         | 93                                  | -              | -            |  |
| NOISE INDOOR<br>(H/M/L)               |                                   |                             | dB-A                                           |                         | 44/38/32    |       |         | -           |            |                                     |                |              |  |
|                                       |                                   |                             | Power Level dB                                 |                         | 62/55/49    |       |         | -           |            |                                     |                |              |  |
| 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                                              |                         | 0.66        | 0.65  | 0.64    | 4.15        | 3.95       | 3.80                                | -              | -            |  |
|                                       | INPUT POWER                       |                             | W                                              |                         | 85          | 85    | 85      | 2.545k      | 2.545k     | 2.545k                              | -              | -            |  |
|                                       |                                   |                             | 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                                             |                         | -           | -     | -       | -           | 10.0       | -                                   |                |              |  |
|                                       |                                   | Tbivalen                    | °C                                             |                         | -           | -     | -       | -           | -8         | -                                   |                |              |  |
|                                       |                                   | SCOP                        | (W/W)                                          |                         | -           | -     | -       | -           | 4.0        | -                                   |                |              |  |
|                                       |                                   | Annual consumption<br>Class | kWh                                            |                         | -           | -     | -       | -           | 3500       | -                                   |                |              |  |
| POWER FACTOR                          |                                   |                             | %                                              |                         | -           | -     | -       | 93          | 93         | 93                                  | -              | -            |  |
| NOISE INDOOR<br>(H/M/L)               |                                   |                             | dB-A                                           |                         | 44/38/32    |       |         | -           |            |                                     | /              | /            |  |
|                                       |                                   |                             | Power Level dB                                 |                         | 62/55/49    |       |         | -           |            |                                     |                |              |  |
| 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)     |                                   |                             | 0.73/95                                        |                         | 0.71/95     |       | 0.71/95 |             | 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)                         |                                   |                             | 90                                             |                         |             |       |         |             |            | 90                                  |                |              |  |
| MOISTURE REMOVAL VOLUME               |                                   |                             | L/h(Pt/h)                                      |                         | 6.0         |       | (12.6)  |             | -          |                                     |                |              |  |
| External static pressure              |                                   |                             | Pa                                             |                         | -           |       |         |             |            |                                     |                |              |  |
| I/D AIR FLOW                          | COOL                              | m³/min (ft³/min)            |                                                | 33/27/21 (1165/953/742) |             |       |         |             |            |                                     |                |              |  |
|                                       | HEAT                              | m³/min (ft³/min)            |                                                | 33/27/21 (1165/953/742) |             |       |         |             |            |                                     |                |              |  |
| 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)         |                                                | 319 (12-9/16)           |             |       |         |             |            |                                     | 996 (39-7/32)  | /            |  |
|                                       | I                                 | WIDTH : W mm(inch)          |                                                | 840 (33-3/32)           |             |       |         |             |            |                                     | 940 (37-1/32)  | /            |  |
|                                       | M                                 | DEPTH : D mm(inch)          |                                                | 840 (33-3/32)           |             |       |         |             |            |                                     | 340 (13-13/32) | /            |  |
| P<br>A<br>C<br>M                      | D                                 | HEIGHT : H mm               |                                                | 361                     |             |       |         |             |            |                                     | 1136           | /            |  |
|                                       | I                                 | WIDTH : W mm                |                                                | 929                     |             |       |         |             |            |                                     | 1055           | /            |  |
|                                       | M                                 | DEPTH : D mm                |                                                | 929                     |             |       |         |             |            |                                     | 485            | /            |  |
| MASS                                  |                                   | (NET) kg(lb)                |                                                | 27 (60)                 |             |       |         |             |            |                                     | 73 (161)       | /            |  |
|                                       |                                   | (GROSS) kg(lb)              |                                                | 34 (75)                 |             |       |         |             |            |                                     | 81 (179)       | /            |  |
| LAYERS LIMIT (actually)               |                                   |                             | 11 (12)                                        |                         |             |       |         |             |            | 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>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

#### 1. 4-Way Cassette Type S-125PU1E5A / U-125PEY1E8

|                                                      |                                   |                     |                        |                    |                                                |          |                |                                     |             |             |          |        |        |      |
|------------------------------------------------------|-----------------------------------|---------------------|------------------------|--------------------|------------------------------------------------|----------|----------------|-------------------------------------|-------------|-------------|----------|--------|--------|------|
| INDOOR                                               |                                   |                     | MODEL                  |                    | S-125PU1E5A                                    |          |                |                                     |             |             |          |        |        |      |
| PANEL                                                |                                   |                     | MODEL                  |                    | CZ-KPU21                                       |          |                |                                     |             |             |          |        |        |      |
| OUTDOOR                                              |                                   |                     | MODEL                  |                    |                                                |          |                | U-125PEY1E8                         |             |             |          |        |        |      |
| Branch pipe                                          |                                   |                     | MODEL                  |                    |                                                |          |                | -                                   |             |             |          |        |        |      |
| PERFORMANCE TEST CONDITION                           |                                   |                     |                        |                    | ISO5151 / 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           |                                     |             |             | 3.8      | 13.5   |        |      |
|                                                      |                                   |                     | BTU/h                  |                    | 42700                                          | 42700    | 42700          |                                     |             |             | 13000    | 46100  |        |      |
|                                                      | CURRENT                           |                     | A                      |                    | 0.77                                           | 0.76     | 0.73           | 6.35                                | 6.05        | 5.80        | -        | -      |        |      |
|                                                      |                                   |                     | W                      |                    | 100                                            | 100      | 100            | 3.920k                              | 3.920k      | 3.920k      | -        | -      |        |      |
|                                                      | INPUT POWER                       |                     | TOTAL W                |                    | -                                              |          |                | 4.020k                              | 4.020k      | 4.020k      | 900      | 5.000k |        |      |
|                                                      |                                   |                     | TOTAL kWh ※4           |                    | -                                              |          |                | -                                   | 2010        | -           | -        | -      |        |      |
|                                                      | EER/EER CLASS                     |                     | TOTAL(W/W)※5/(“A”~“G”) |                    | -                                              | -        | -              | 3.11                                | 3.11 / B    | 3.11        | 4.22     | 2.70   |        |      |
|                                                      |                                   |                     | Pdsign                 |                    | kW                                             | -        | -              | -                                   | -           | -           | -        |        |        |      |
|                                                      | Erp<br>※6                         | SEER                |                        | (W/W)              |                                                | -        | -              | -                                   | -           | -           | -        |        |        |      |
|                                                      |                                   |                     |                        | Annual consumption |                                                | kWh      | -              | -                                   | -           | -           | -        | -      |        |      |
| Class                                                |                                   |                     |                        | -                  | -                                              | -        | -              | -                                   | -           |             |          |        |        |      |
|                                                      |                                   |                     |                        | -                  | -                                              | -        | -              | -                                   | -           | -           |          |        |        |      |
| POWER FACTOR                                         |                                   |                     | %                      |                    | -                                              | -        | -              | 94                                  | 94          | 94          | -        | -      |        |      |
| NOISE INDOOR<br>(H/M/L)                              |                                   |                     | dB-A                   |                    | 45/39/33                                       |          |                | -                                   |             |             |          |        |        |      |
|                                                      |                                   |                     | Power Level dB         |                    | 63/56/50                                       |          |                | -                                   |             |             |          |        |        |      |
| 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                      |                    | 0.75                                           | 0.73     | 0.73           | 5.15                                | 4.90        | 4.70        | -        | -      |        |      |
|                                                      |                                   |                     | W                      |                    | 100                                            | 100      | 100            | 3.190k                              | 3.190k      | 3.190k      | -        | -      |        |      |
|                                                      | INPUT POWER                       |                     | TOTAL W                |                    | -                                              |          |                | 3.290k                              | 3.290k      | 3.290k      | 730      | 4.400k |        |      |
|                                                      |                                   |                     | COP/COP CLASS          |                    | TOTAL(W/W)※5/(“A”~“G”)                         |          | -              | -                                   | -           | 3.80        | 3.80 / A | 3.80   | 4.66   | 3.41 |
|                                                      | Erp<br>※6                         | Pdsign              |                        | kW                 |                                                | -        | -              | -                                   | -           | -           | -        |        |        |      |
|                                                      |                                   |                     |                        | Tbivalen           |                                                | °C       | -              | -                                   | -           | -           | -        | -      |        |      |
|                                                      |                                   | SCOP                |                        | (W/W)              |                                                | -        | -              | -                                   | -           | -           | -        | -      |        |      |
|                                                      |                                   |                     |                        | Annual consumption |                                                | kWh      | -              | -                                   | -           | -           | -        | -      | -      |      |
|                                                      | Class                             |                     |                        |                    | -                                              | -        | -              | -                                   | -           | -           | -        | -      |        |      |
|                                                      |                                   |                     |                        |                    | -                                              | -        | -              | -                                   | -           | -           | -        | -      |        |      |
|                                                      | POWER FACTOR                      |                     |                        | %                  |                                                | -        | -              | -                                   | 94          | 94          | 94       | -      | -      |      |
|                                                      | NOISE INDOOR<br>(H/M/L)           |                     |                        | dB-A               |                                                | 45/39/33 |                |                                     | -           |             |          | /      | /      |      |
|                                                      |                                   |                     |                        | Power Level dB     |                                                | 63/56/50 |                |                                     | -           |             |          |        |        |      |
|                                                      | 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)                    |                                   |                     |                        |                    | 0.77/100                                       | 0.76/100 | 0.73/100       | 10.0/6.200k                         | 10.0/6.500k | 10.0/6.750k | /        |        |        |      |
| STARTING CURRENT(A)/COMP OUTPUT(W)                   |                                   |                     |                        |                    | -                                              | -        | -              | 6.35/3.0k                           | 6.05/3.0k   | 5.80/3.0k   | /        |        |        |      |
| NETWORK IMPEDANCE (ΩMAX.)                            |                                   |                     |                        |                    | -                                              |          |                | -                                   |             |             |          |        |        |      |
| FM OUTPUT (W)                                        |                                   |                     |                        |                    | 90                                             |          |                | 90                                  |             |             | /        |        |        |      |
| MOISTURE REMOVAL VOLUME                              |                                   |                     |                        |                    | L/h(Pt/h)                                      |          | 7.9            | (16.6)                              |             | -           |          |        |        |      |
| External static pressure                             |                                   |                     |                        |                    | Pa                                             |          | -              |                                     |             |             |          |        |        |      |
| I/D AIR FLOW                                         | COOL                              |                     | m³/min (ft³/min)       |                    | 35/28/22 (1236/989/777)                        |          |                |                                     |             |             |          |        |        |      |
|                                                      | HEAT                              |                     | m³/min (ft³/min)       |                    | 35/28/22 (1236/989/777)                        |          |                |                                     |             |             |          |        |        |      |
| 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<br>I<br>M                       | HEIGHT : H mm(inch) |                        | 319 (12-9/16)      |                                                |          | 996 (39-7/32)  |                                     |             | /           |          |        |        |      |
|                                                      |                                   | WIDTH : W mm(inch)  |                        | 840 (33-3/32)      |                                                |          | 940 (37-1/32)  |                                     |             | /           |          |        |        |      |
|                                                      |                                   | DEPTH : D mm(inch)  |                        | 840 (33-3/32)      |                                                |          | 340 (13-13/32) |                                     |             | /           |          |        |        |      |
| P<br>A<br>C<br>M                                     | D<br>I<br>M                       | HEIGHT : H mm       |                        | 361                |                                                |          | 1136           |                                     |             | /           |          |        |        |      |
|                                                      |                                   | WIDTH : W mm        |                        | 929                |                                                |          | 1055           |                                     |             | /           |          |        |        |      |
|                                                      |                                   | DEPTH : D mm        |                        | 929                |                                                |          | 485            |                                     |             | /           |          |        |        |      |
| MASS                                                 | (NET) kg(lb)                      |                     | 27 (60)                |                    |                                                | 85 (187) |                |                                     | /           |             |          |        |        |      |
|                                                      | (GROSS) kg(lb)                    |                     | 34 (75)                |                    |                                                | 93 (205) |                |                                     | /           |             |          |        |        |      |
| LAYERS LIMIT (actually)                              |                                   |                     |                        |                    | 11 (12)                                        |          |                | 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.

\*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

#### 1. 4-Way Cassette Type S-140PU1E5A / U-140PEY1E8

|                                       |                                   |                             |                       |                |                                                |          |                |                                     |             |             |       |        |   |
|---------------------------------------|-----------------------------------|-----------------------------|-----------------------|----------------|------------------------------------------------|----------|----------------|-------------------------------------|-------------|-------------|-------|--------|---|
| INDOOR                                |                                   |                             | MODEL                 |                | S-140PU1E5A                                    |          |                |                                     |             |             |       |        |   |
| PANEL                                 |                                   |                             | MODEL                 |                | CZ-KPU21                                       |          |                |                                     |             |             |       |        |   |
| OUTDOOR                               |                                   |                             | MODEL                 |                |                                                |          |                | U-140PEY1E8                         |             |             |       |        |   |
| Branch pipe                           |                                   |                             | MODEL                 |                |                                                |          |                | -                                   |             |             |       |        |   |
| PERFORMANCE TEST CONDITION            |                                   |                             |                       |                | ISO5151 / 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                     |                | 0.90                                           | 0.89     | 0.87           | 6.85                                | 6.50        | 6.25        | -     | -      |   |
|                                       | INPUT POWER                       |                             | W                     |                | 115                                            | 115      | 115            | 4.245k                              | 4.245k      | 4.245k      | -     | -      |   |
|                                       |                                   |                             | TOTAL W               |                | -                                              |          |                | 4.360k                              | 4.360k      | 4.360k      | 840   | 6.000k |   |
|                                       | ANNUAL CONSUMPTION                |                             | TOTAL kWh ※4          |                | -                                              |          |                | -                                   | 2180        | -           | -     | -      |   |
|                                       | EER/EER CLASS                     |                             | TOTAL(W/W)※5("A"~"G") |                | -                                              | -        | -              | 3.21                                | 3.21 / A    | 3.21        | 3.93  | 2.58   |   |
|                                       | Erp<br>※6                         | Pdsign                      | kW                    |                | -                                              | -        | -              | -                                   | -           | -           |       |        |   |
|                                       |                                   | SEER                        | (W/W)                 |                | -                                              | -        | -              | -                                   | -           | -           |       |        |   |
|                                       |                                   | Annual consumption<br>Class | kWh                   |                | -                                              | -        | -              | -                                   | -           | -           |       |        |   |
| POWER FACTOR                          |                                   |                             | %                     |                | -                                              | -        | -              | 94                                  | 94          | 94          | -     | -      |   |
| NOISE INDOOR<br>(H/M/L)               |                                   |                             | dB-A                  |                | 46/40/34                                       |          |                | -                                   |             |             |       |        |   |
|                                       |                                   |                             | Power Level dB        |                | 64/57/51                                       |          |                | -                                   |             |             |       |        |   |
| 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                     |                | 0.83                                           | 0.80     | 0.79           | 5.65                                | 5.35        | 5.20        | -     | -      |   |
|                                       | INPUT POWER                       |                             | W                     |                | 105                                            | 105      | 105            | 3.495k                              | 3.495k      | 3.495k      | -     | -      |   |
|                                       |                                   |                             | TOTAL W               |                | -                                              |          |                | 3.600k                              | 3.600k      | 3.600k      | 900   | 5.200k |   |
|                                       | COP/COP CLASS                     |                             | 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<br>Class | kWh                   |                | -                                              | -        | -              | -                                   | -           | -           |       |        |   |
|                                       | POWER FACTOR                      |                             |                       | %              |                                                | -        | -              | -                                   | 94          | 94          | 94    | -      | - |
|                                       | NOISE INDOOR<br>(H/M/L)           |                             |                       | dB-A           |                                                | 46/40/34 |                |                                     | -           |             |       | /      | / |
|                                       |                                   |                             |                       | Power Level dB |                                                | 64/57/51 |                |                                     | -           |             |       |        |   |
|                                       | 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)     |                                   |                             |                       |                | 0.90/115                                       | 0.89/115 | 0.87/115       | 10.0/6.200k                         | 10.0/6.500k | 10.0/6.750k | /     |        |   |
| STARTING CURRENT(A)/COMP OUTPUT(W)    |                                   |                             |                       |                | -                                              | -        | -              | 6.85/3.0k                           | 6.50/3.0k   | 6.25/3.0k   | /     |        |   |
| NETWORK IMPEDANCE (ΩMAX.)             |                                   |                             |                       |                | -                                              |          |                | -                                   |             |             |       |        |   |
| FM OUTPUT (W)                         |                                   |                             |                       |                | 90                                             |          |                | 90×2                                |             |             | /     |        |   |
| MOISTURE REMOVAL VOLUME               |                                   |                             | L/h(Pt/h)             |                | 9.0                                            | (18.9)   |                | -                                   |             |             |       |        |   |
| External static pressure              |                                   |                             | Pa                    |                | -                                              |          |                |                                     |             |             |       |        |   |
| I/D AIR FLOW                          | COOL                              |                             | m³/min (ft³/min)      |                | 36/29/23 (1271/1024/812)                       |          |                |                                     |             |             |       |        |   |
|                                       | HEAT                              |                             | m³/min (ft³/min)      |                | 36/29/23 (1271/1024/812)                       |          |                |                                     |             |             |       |        |   |
| 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                                     | D                                 | HEIGHT : H mm(inch)         |                       | 319 (12-9/16)  |                                                |          | 1416 (55-3/4)  |                                     |             | /           |       |        |   |
| R                                     | I                                 | WIDTH : W mm(inch)          |                       | 840 (33-3/32)  |                                                |          | 940 (37-1/32)  |                                     |             | /           |       |        |   |
| O                                     | M                                 | DEPTH : D mm(inch)          |                       | 840 (33-3/32)  |                                                |          | 340 (13-13/32) |                                     |             | /           |       |        |   |
| P                                     | D                                 | HEIGHT : H mm               |                       | 361            |                                                |          | 1556           |                                     |             | /           |       |        |   |
| A                                     | I                                 | WIDTH : W mm                |                       | 929            |                                                |          | 1055           |                                     |             | /           |       |        |   |
| C                                     | M                                 | DEPTH : D mm                |                       | 929            |                                                |          | 485            |                                     |             | /           |       |        |   |
| MASS                                  |                                   | (NET) kg(lb)                |                       | 27 (60)        |                                                |          | 98 (216)       |                                     |             | /           |       |        |   |
|                                       |                                   | (GROSS) kg(lb)              |                       | 34 (75)        |                                                |          | 108 (238)      |                                     |             | /           |       |        |   |
| LAYERS LIMIT (actually)               |                                   |                             |                       |                | 11 (12)                                        |          |                | 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>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.

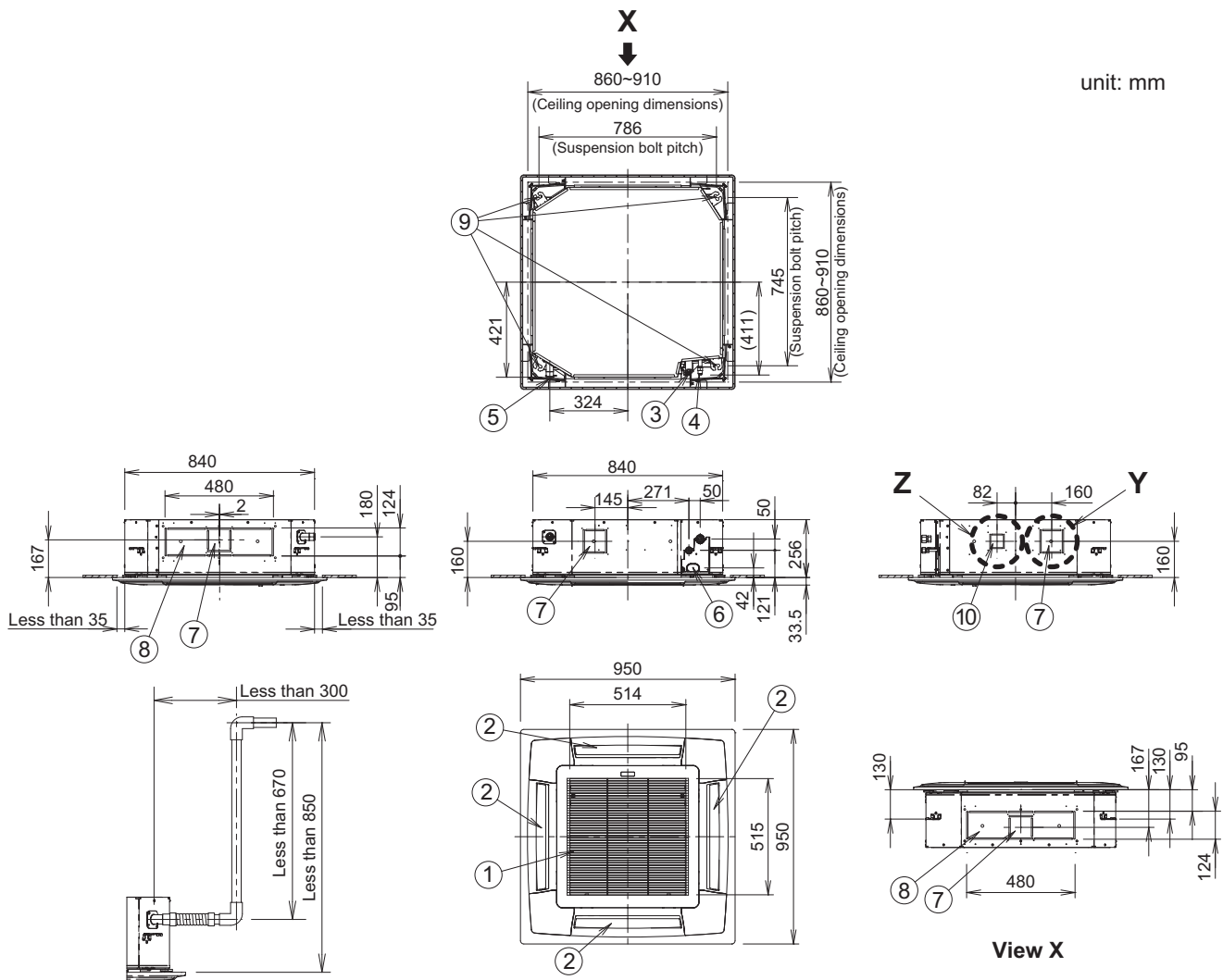
\*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.

\*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.

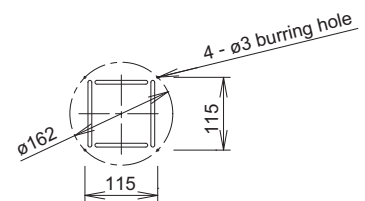
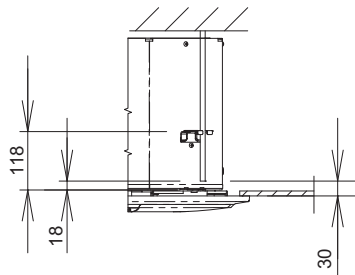
## 1-2. Dimensional Data

### (A) Indoor Units: S-36PU1E5A / S-45PU1E5A / S-50PU1E5A / S-60PU1E5A / S-71PU1E5A

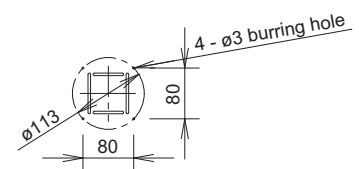


#### Raise dimension of drain tube

The length of the suspension bolts should be selected so that there is a gap of 30 mm or more below the lower surface of the ceiling (18 mm or more below the lower surface of the main unit), as shown in the figure at right. If the suspension bolt is too long, it will contact the ceiling panel and the unit cannot be installed.



Detailed view Y



Detailed view Z

|   |                                                                                         |
|---|-----------------------------------------------------------------------------------------|
| ① | Air intake                                                                              |
| ② | Discharge outlet                                                                        |
| ③ | Refrigerant tubing (liquid tube) 36-50 type ø6.35 (flared), 60 • 71 type ø9.52 (flared) |
| ④ | Refrigerant tubing (gas tube) 36-50 type ø12.7 (flared), 60 • 71 type ø15.88 (flared)   |
| ⑤ | Drain tube connection port VP25 (outer dia. ø32)                                        |
| ⑥ | Power supply port                                                                       |
| ⑦ | Discharge duct connection port (ø150)                                                   |
| ⑧ | Vaporization-type humidifier (optional) installation area                               |
| ⑨ | Suspension bolt hole (4-12×30 elongated hole)                                           |
| ⑩ | Fresh air intake duct connection port (ø100) *                                          |

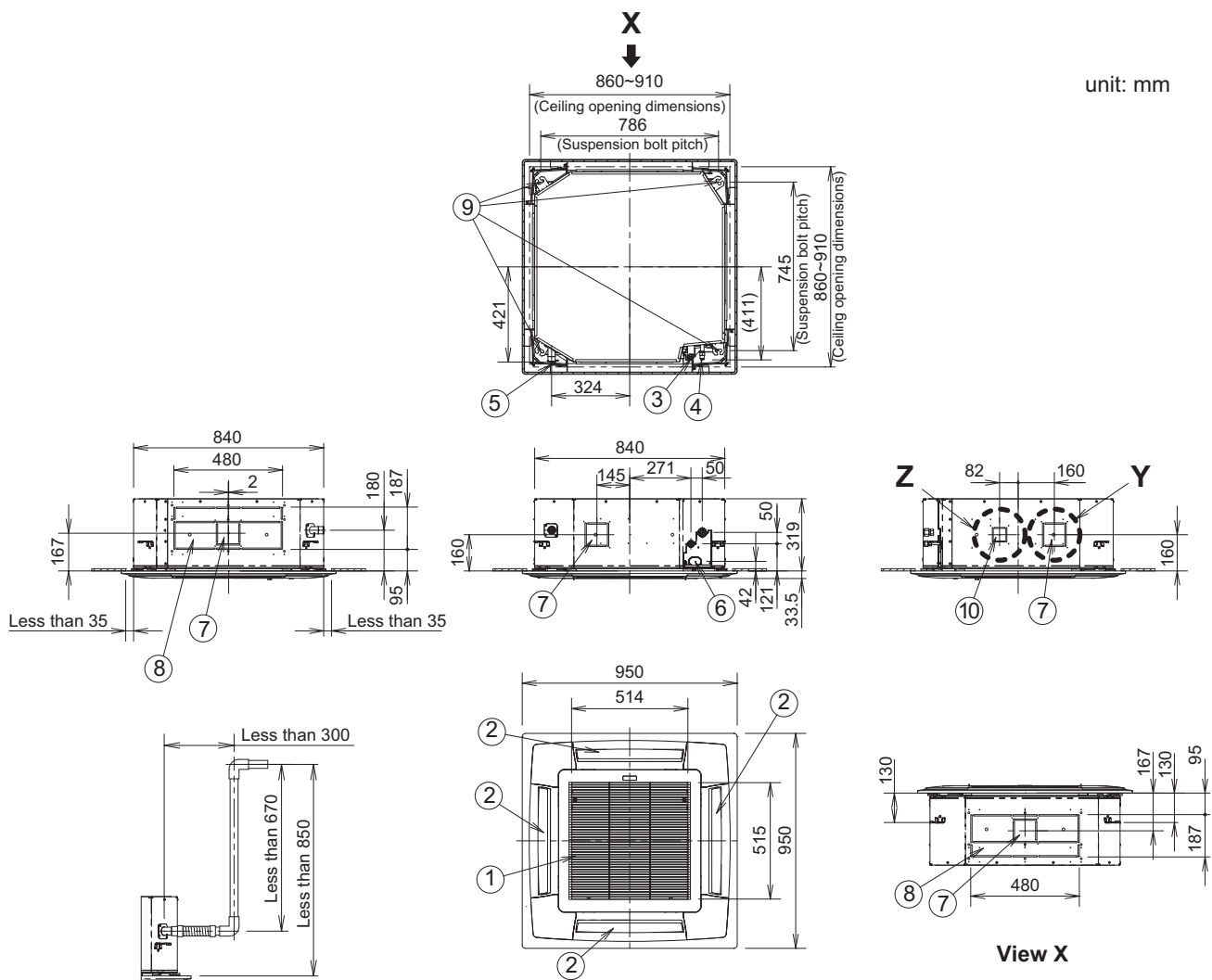
\* Necessary to provide optional air intake kit.

#### <Filter dimension>

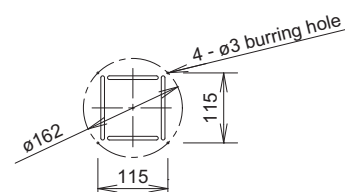
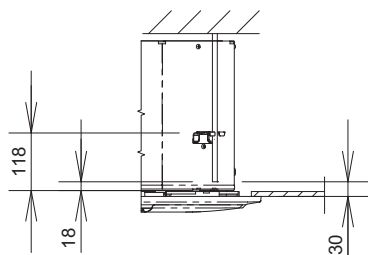
520 x 520 x 16

## 1-2. Dimensional Data

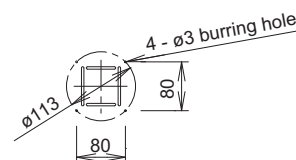
### (A) Indoor Units: S-100PU1E5A / S-125PU1E5A / S-140PU1E5A



The length of the suspension bolts should be selected so that there is a gap of 30 mm or more below the lower surface of the ceiling (18 mm or more below the lower surface of the main unit), as shown in the figure at right. If the suspension bolt is too long, it will contact the ceiling panel and the unit cannot be installed.



Detailed view Y



Detailed view Z

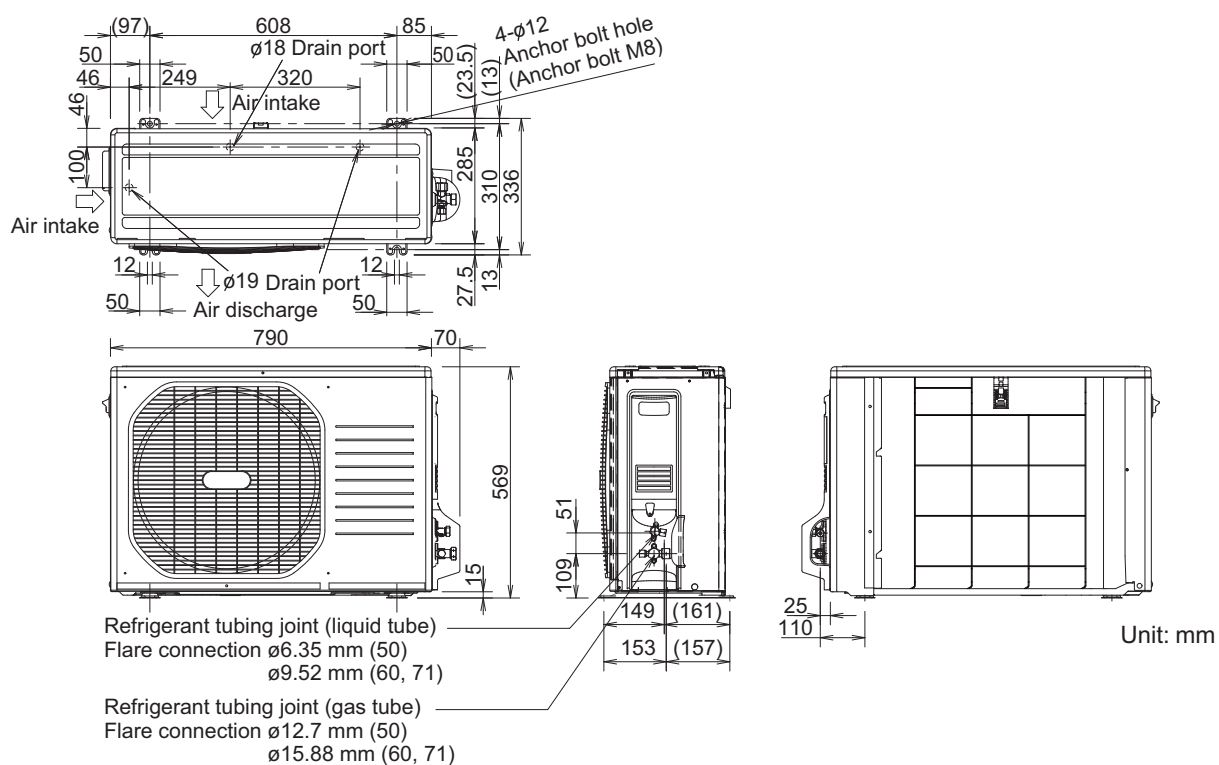
|   |                                                           |
|---|-----------------------------------------------------------|
| ① | Air intake                                                |
| ② | Discharge outlet                                          |
| ③ | Refrigerant tubing (liquid tube) ø9.52 (flared)           |
| ④ | Refrigerant tubing (gas tube) ø15.88 (flared)             |
| ⑤ | Drain tube connection port VP25 (outer dia. ø32)          |
| ⑥ | Power supply port                                         |
| ⑦ | Discharge duct connection port (ø150)                     |
| ⑧ | Vaporization-type humidifier (optional) installation area |
| ⑨ | Suspension bolt hole (4-12×30 elongated hole)             |
| ⑩ | Fresh air intake duct connection port (ø100) *            |

\* Necessary to provide optional air intake kit.

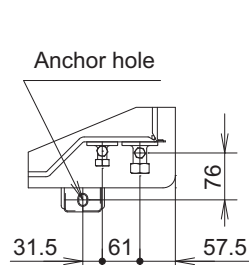
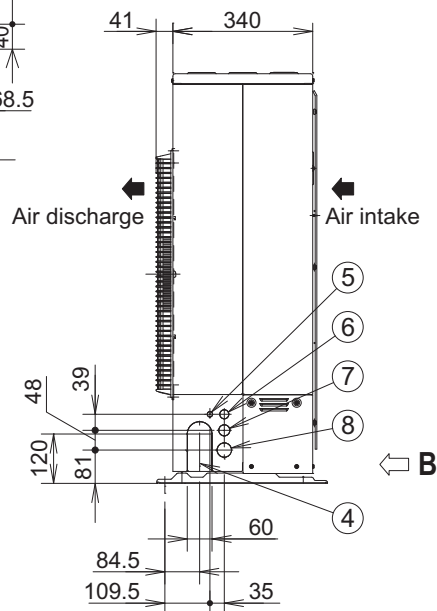
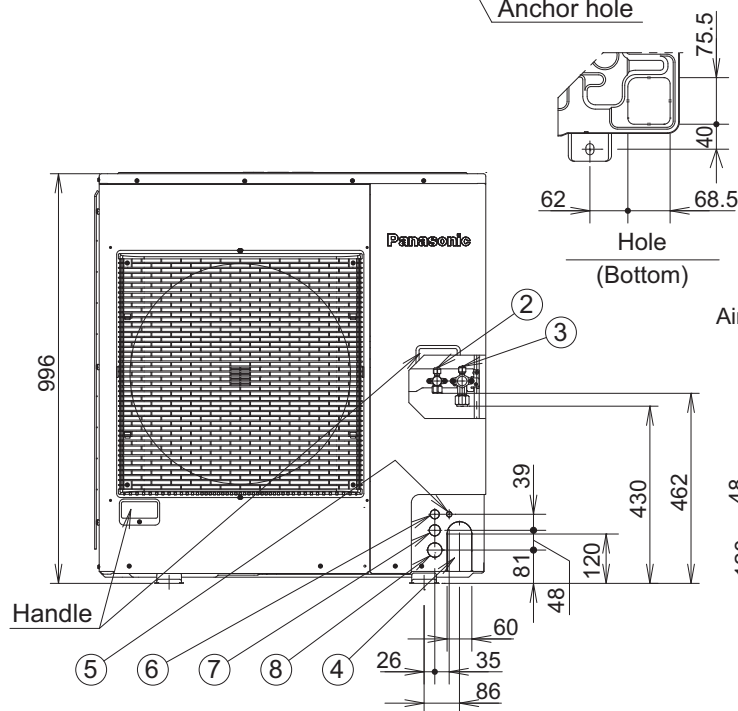
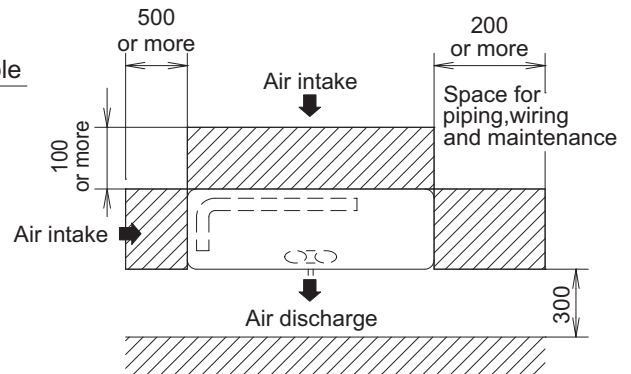
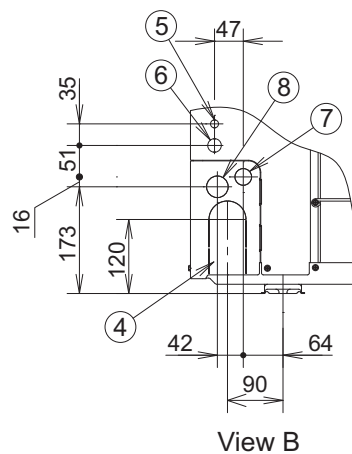
#### <Filter dimension>

520 x 520 x 16

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



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

[illegible]Refrigerant piping  
end connection

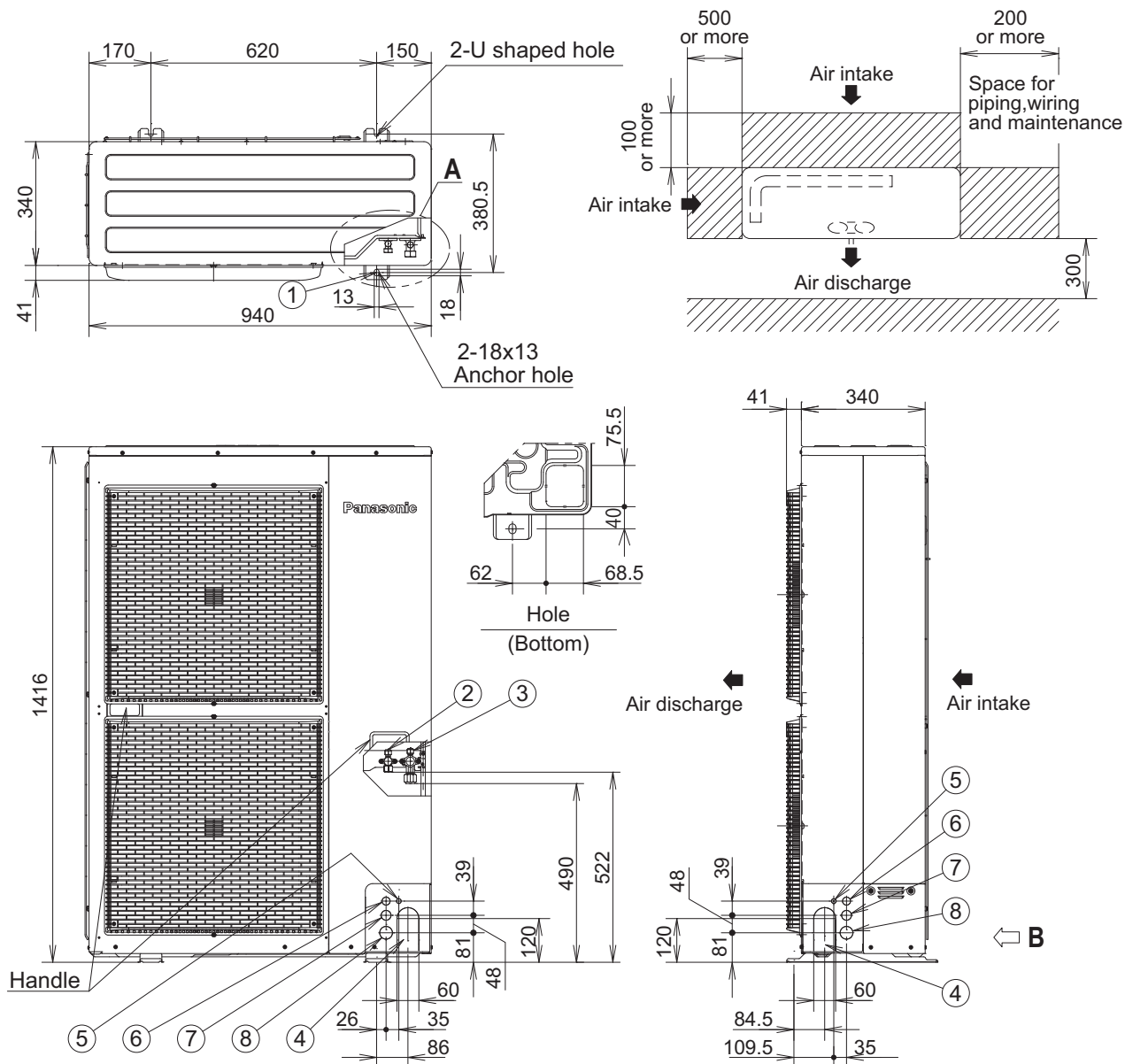
View B

|   |                                                                |
|---|----------------------------------------------------------------|
| ① | Mounting hole, anchor bolt:M10                                 |
| ② | Refrigerant piping (liquid pipe),<br>flared connection (ø9.52) |
| ③ | Refrigerant piping (gas pipe),<br>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)                                   |

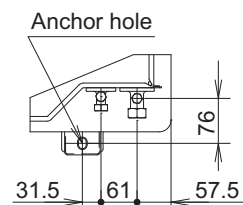
## 1-2. Dimensional Data

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

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

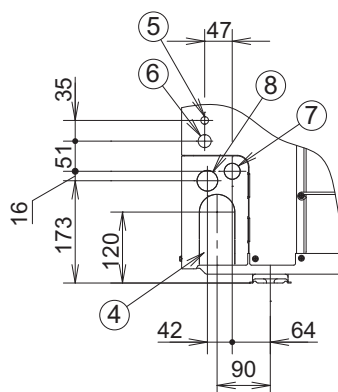


unit: mm



Enlarged view A

Refrigerant piping  
end connection



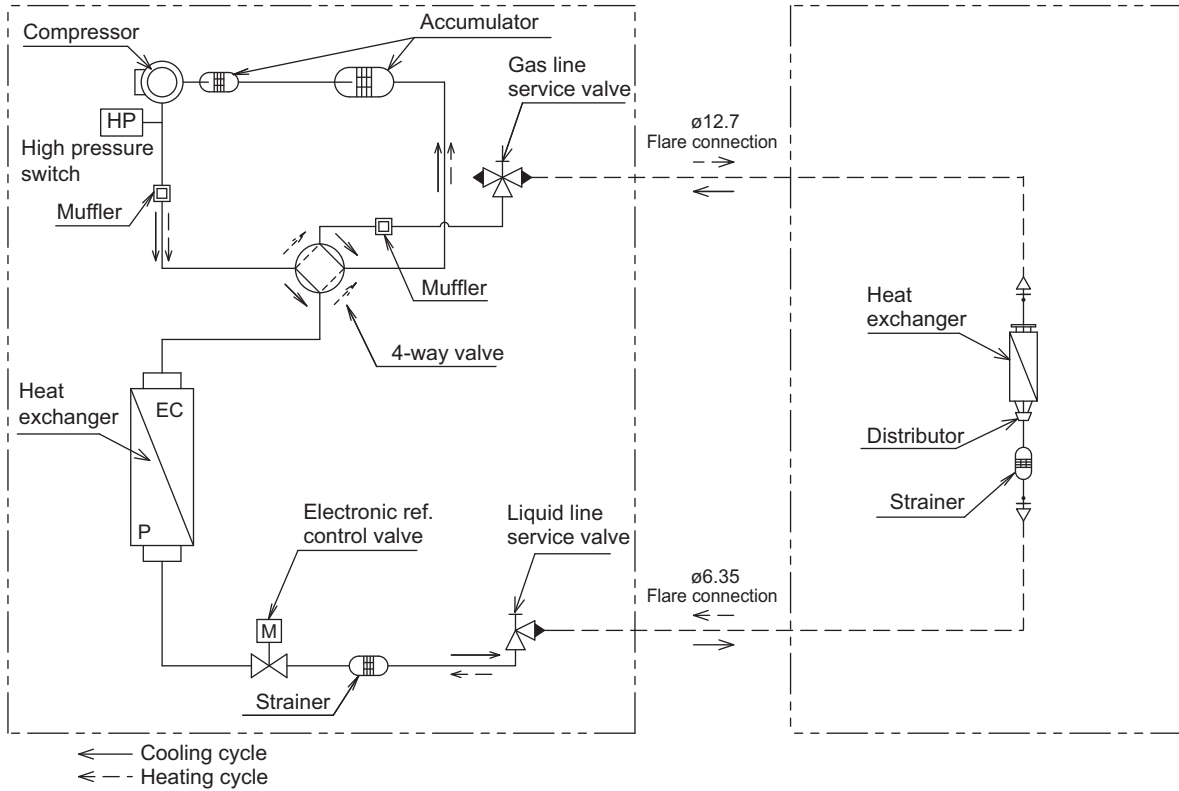
View B

|   |                                                            |
|---|------------------------------------------------------------|
| 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)                               |

### 1-3. Refrigerant Flow Diagram

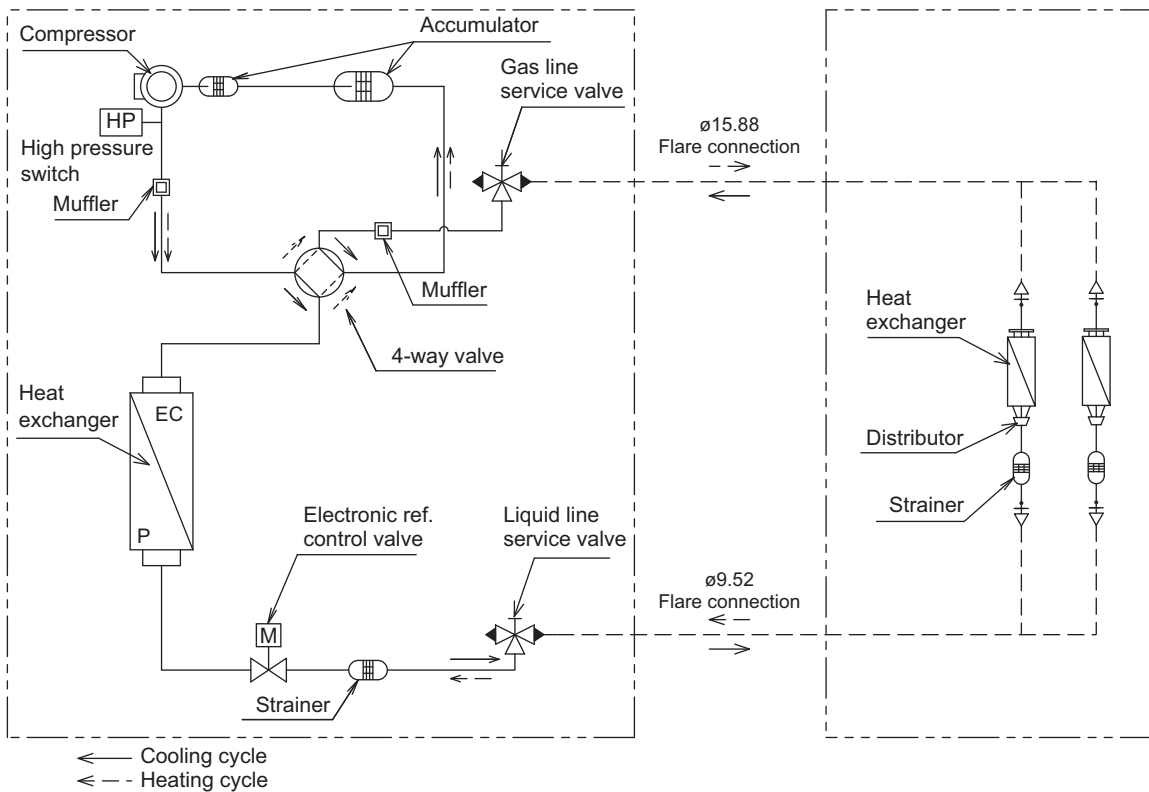
#### Outdoor Unit: U-50PE1E5

#### Indoor Unit:



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

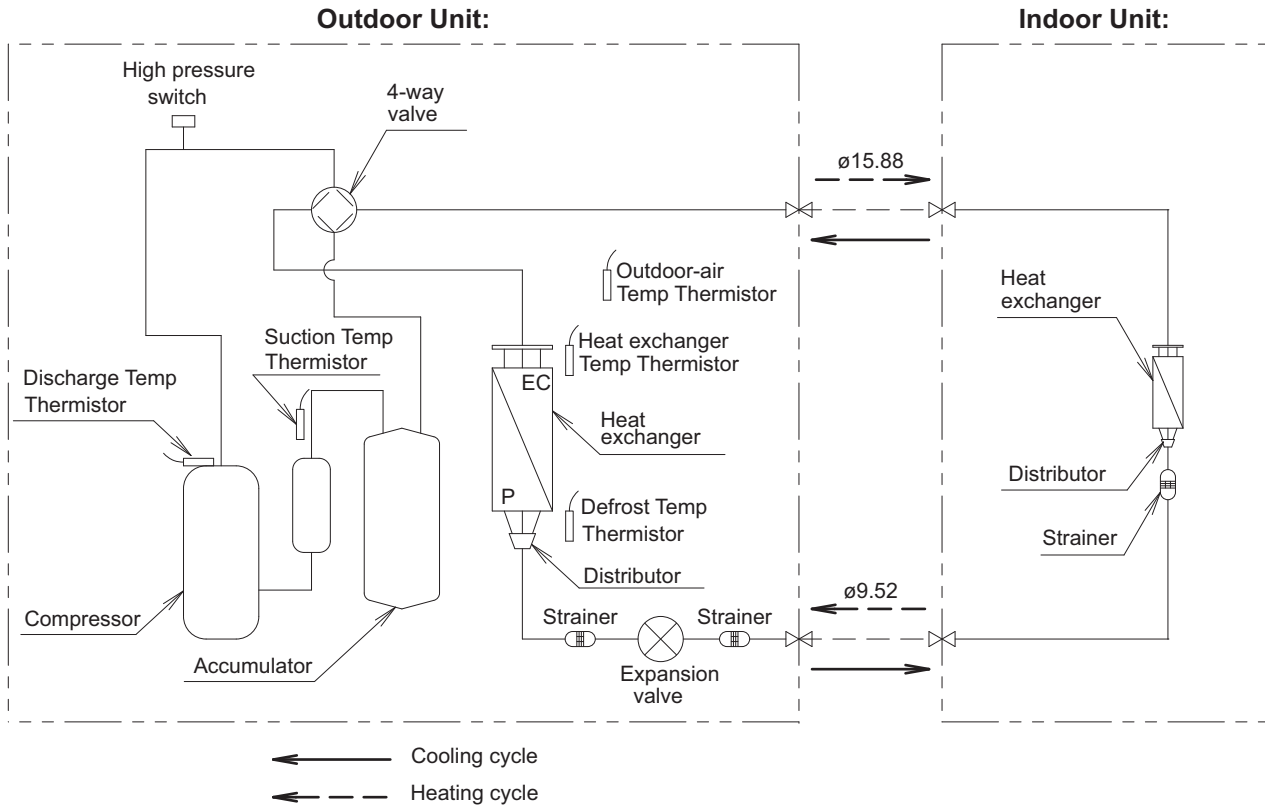
#### Indoor Unit:



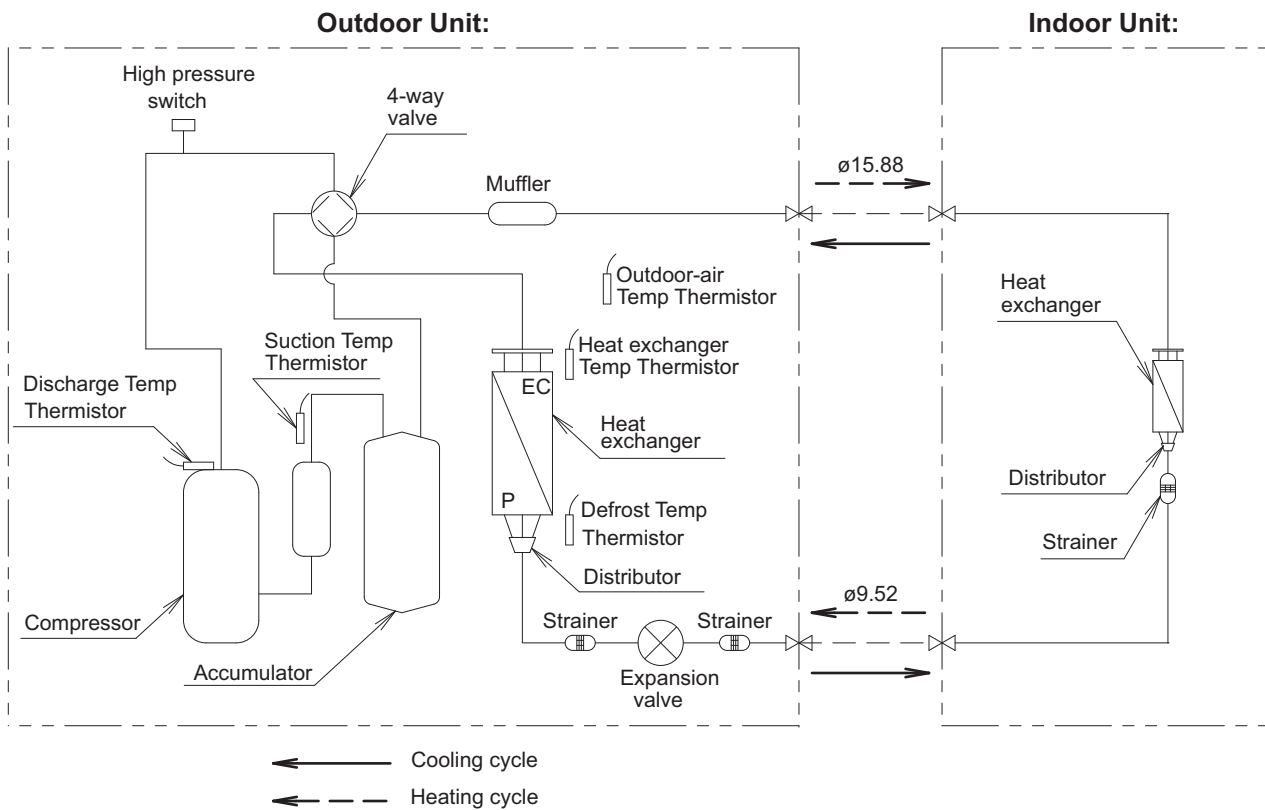


### 1-3. Refrigerant Flow Diagram

Outdoor Units: U-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

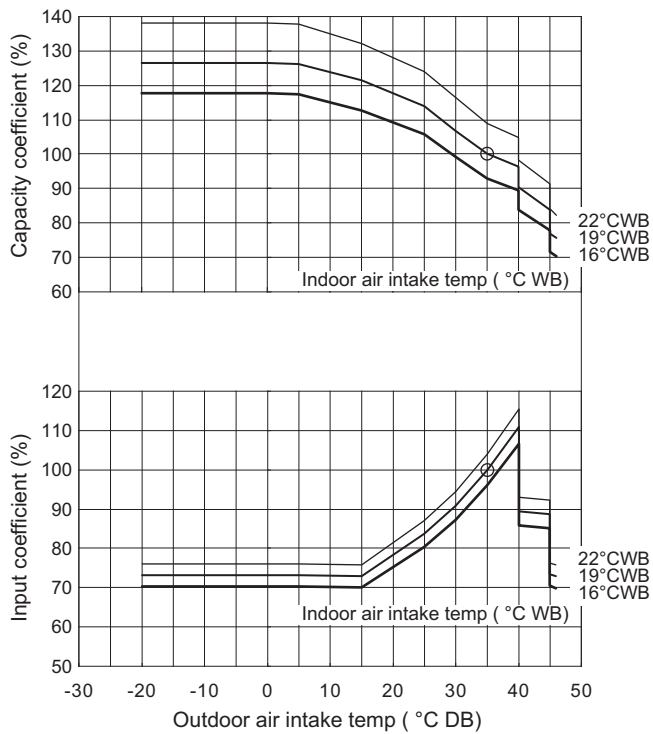
|         | Temperature | Indoor air intake temp. | Outdoor air intake temp. |
|---------|-------------|-------------------------|--------------------------|
| Cooling | Maximum     | 32°C DB / 25°C WB       | 43°C DB                  |
|         | Minimum     | 18°C DB / 14°C WB       | -10°C DB                 |
| 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

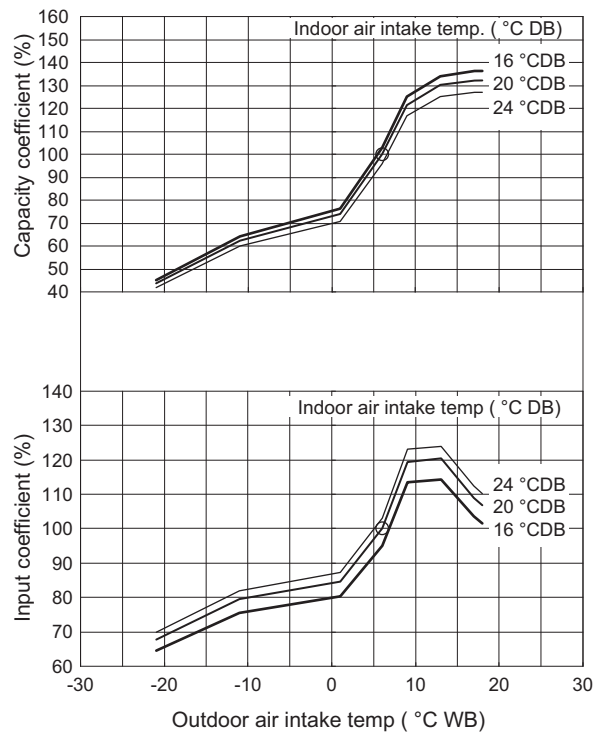
PE1

U-50PE1E5 (For 50 Hz)

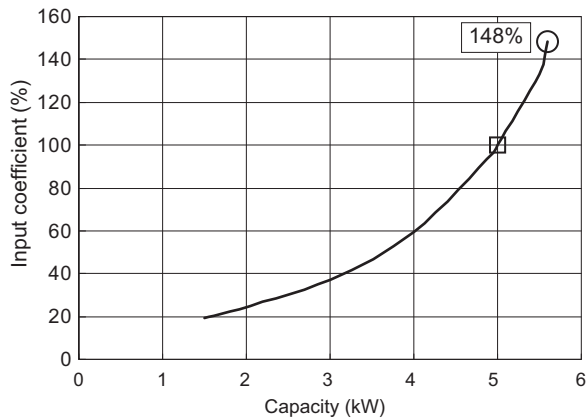
Cooling capacity ratio (maximum capacity)



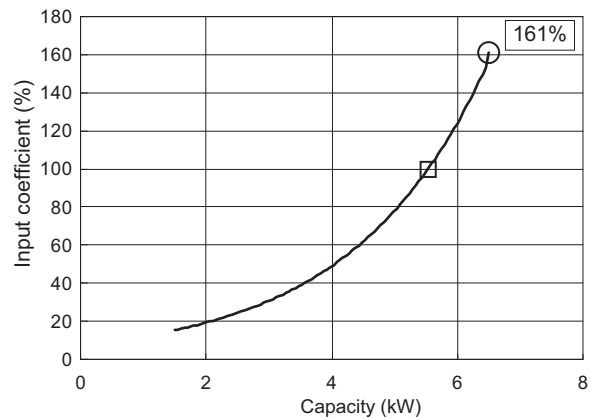
Heating capacity ratio (maximum capacity)



Cooling



Heating

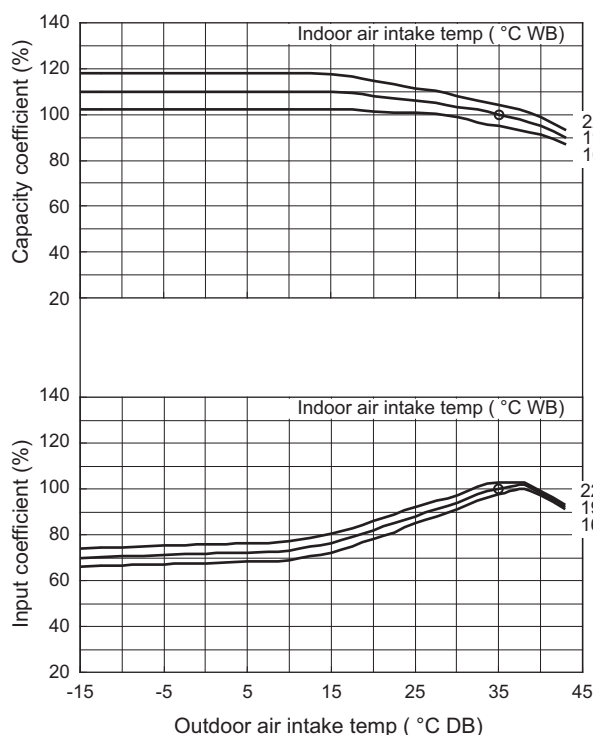


## 1-5. Capacity Correction Graph According to Temperature Condition

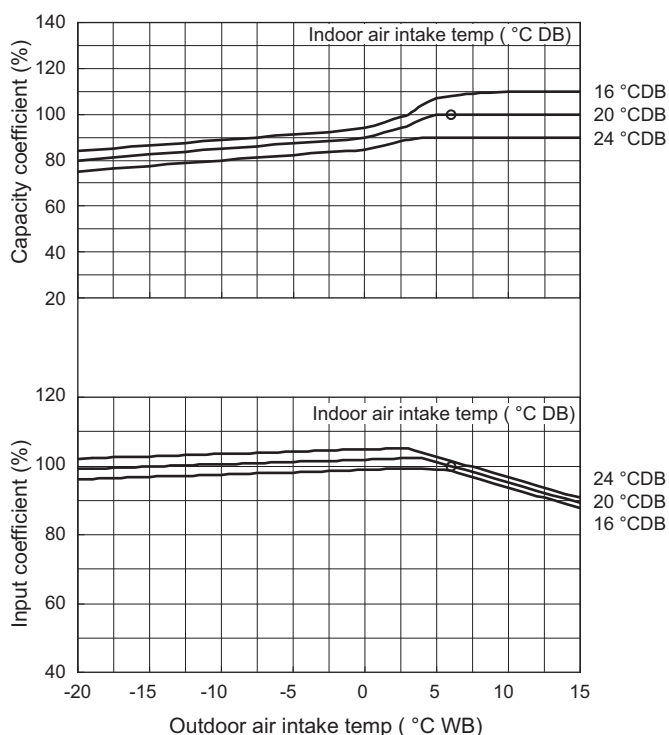
PE1

U-60PE1E5A (For 50 Hz)

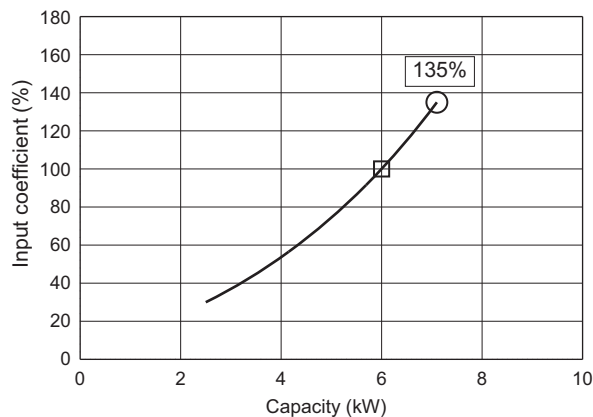
Cooling capacity ratio (maximum capacity)



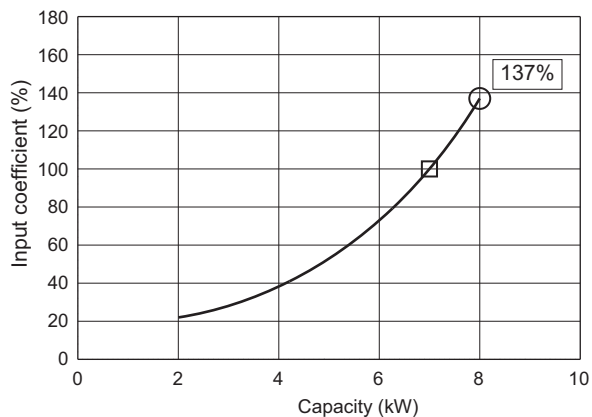
Heating capacity ratio (maximum capacity)



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 |

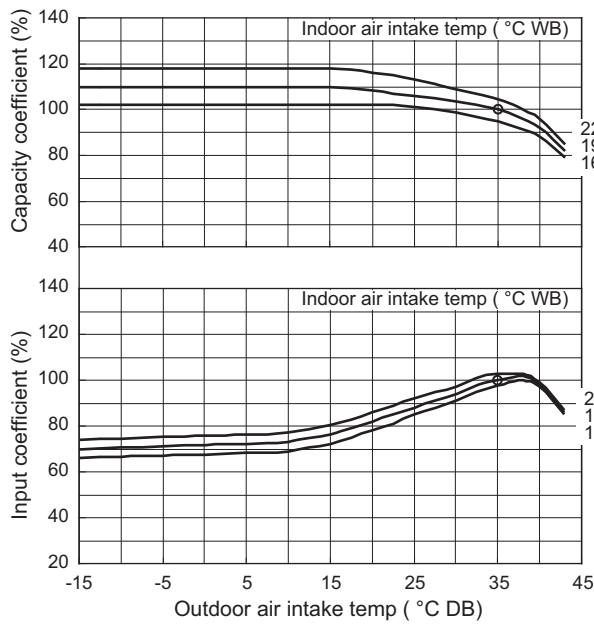
To calculate the heating capacity with consideration for frosting/defrosting operation, multiply the heating capacity found from the capacity graph by the correction coefficient from the table above.

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

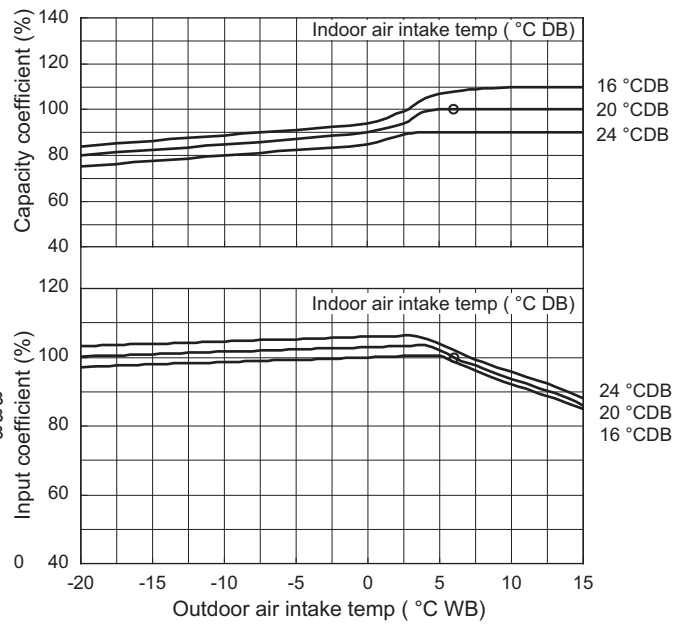
PE1

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

Cooling capacity ratio (maximum capacity)

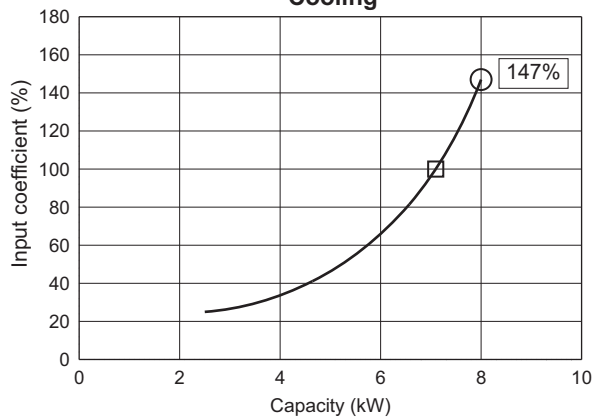


Heating capacity ratio (maximum capacity)

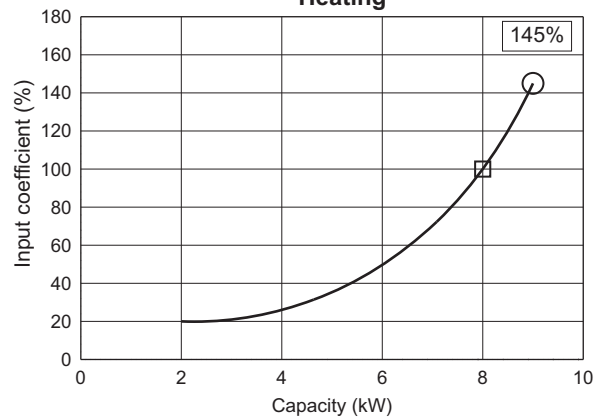


### ■ U-71PE1E5A (For 50 Hz)

Cooling

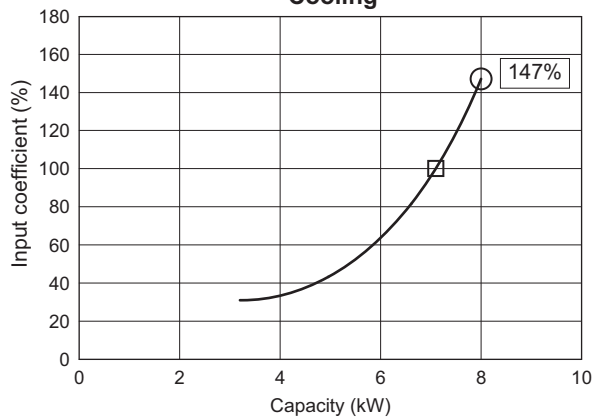


Heating

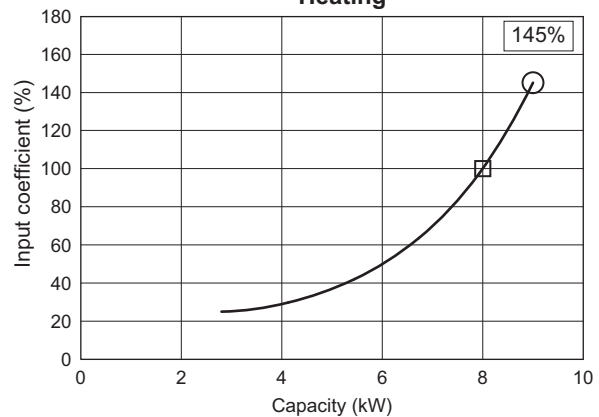


### ■ U-71PE1E8A (For 50 Hz)

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 |

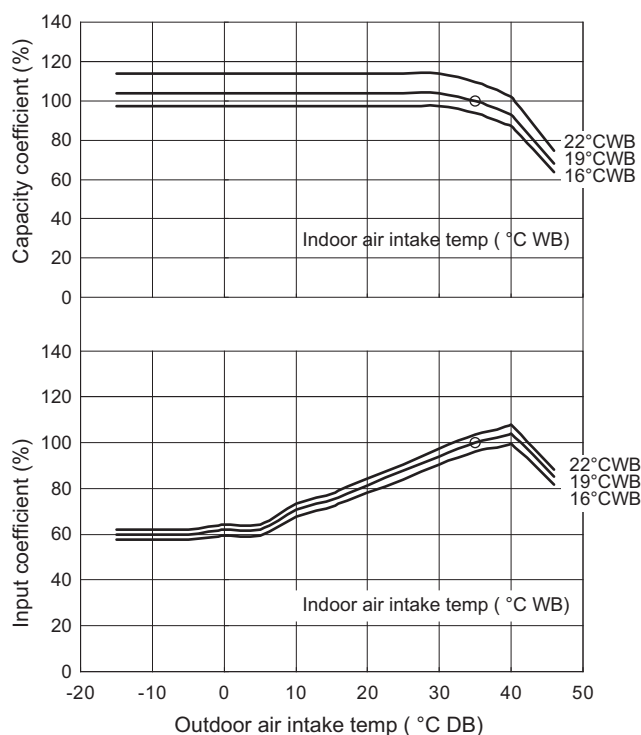
To calculate the heating capacity with consideration for frosting/defrosting operation, multiply the heating capacity found from the capacity graph by the correction coefficient from the table above.

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

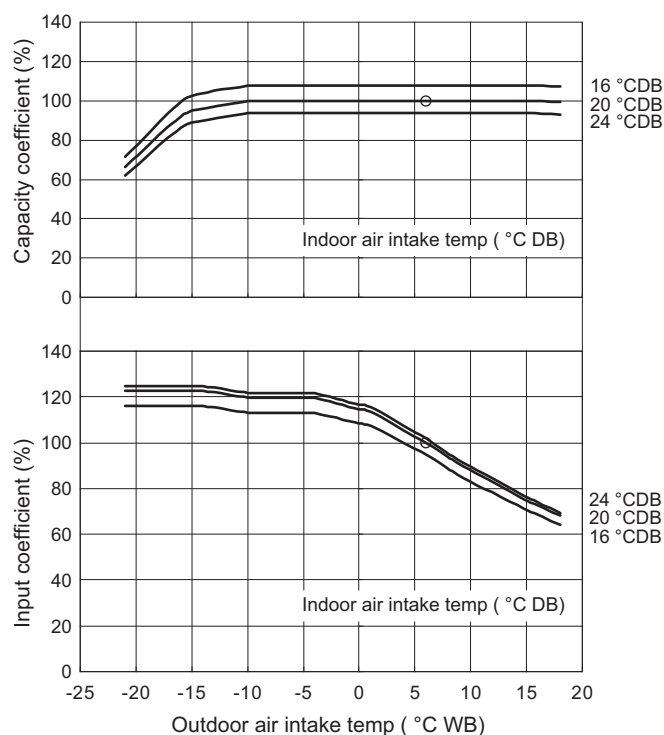
PE1

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

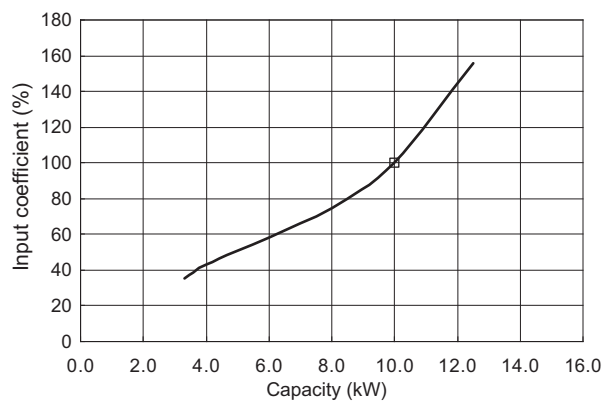
Cooling capacity ratio (maximum capacity)



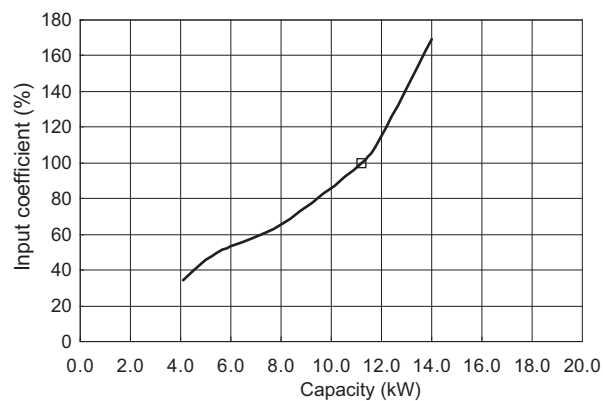
Heating capacity ratio (maximum capacity)



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  |

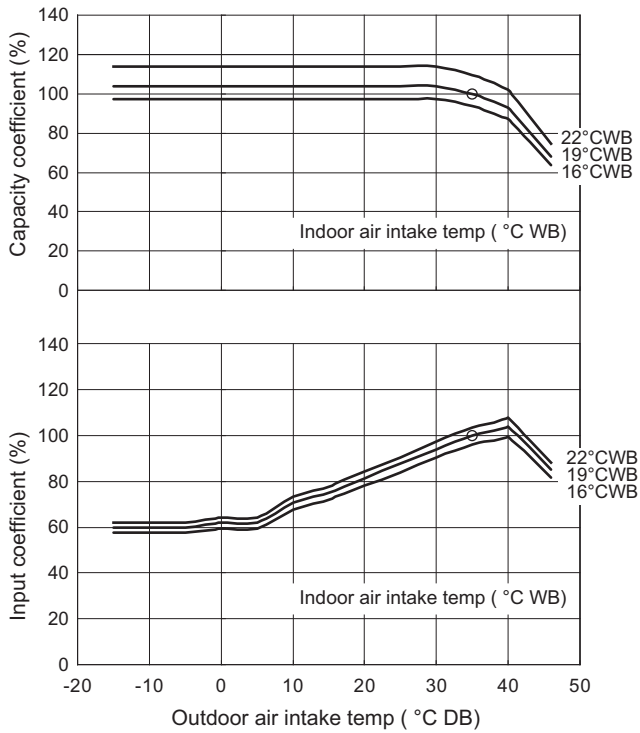
To calculate the heating capacity with consideration for frosting/defrosting operation, multiply the heating capacity found from the capacity graph by the correction coefficient from the table above.

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

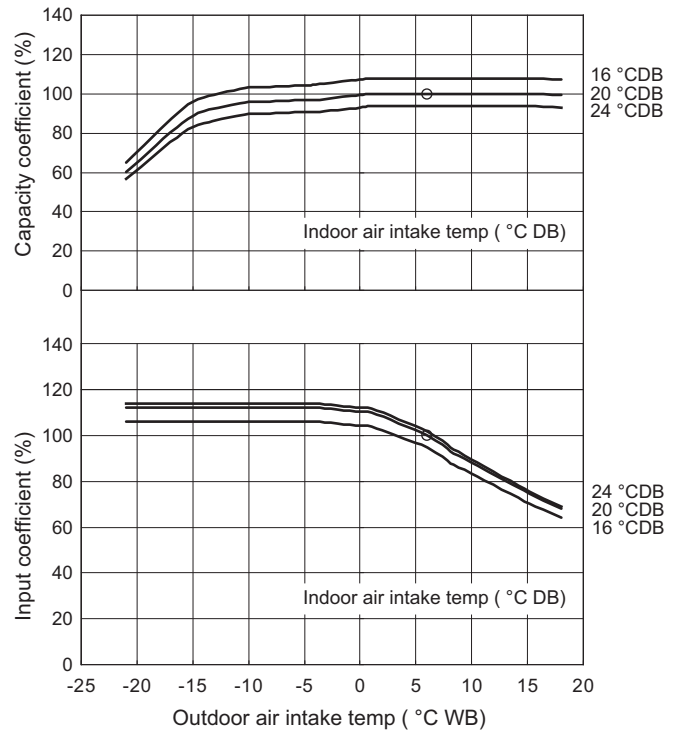
PE1

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

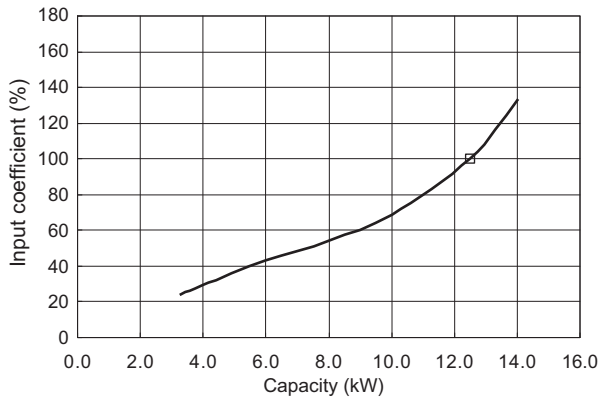
Cooling capacity ratio (maximum capacity)



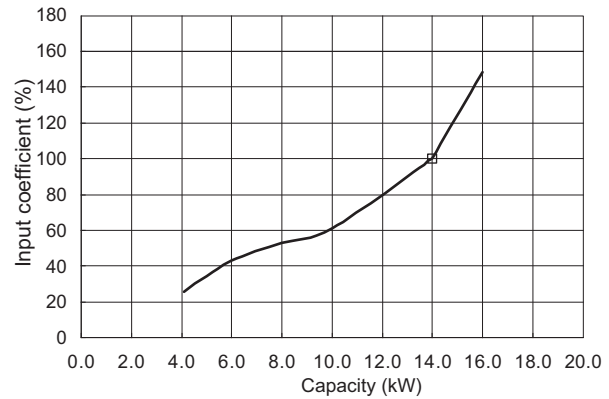
Heating capacity ratio (maximum capacity)



### 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  |

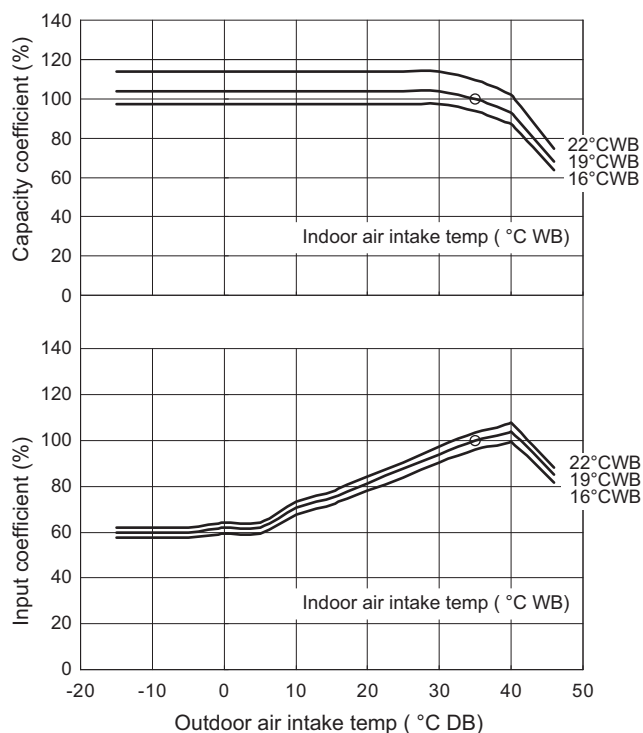
To calculate the heating capacity with consideration for frosting/defrosting operation, multiply the heating capacity found from the capacity graph by the correction coefficient from the table above.

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

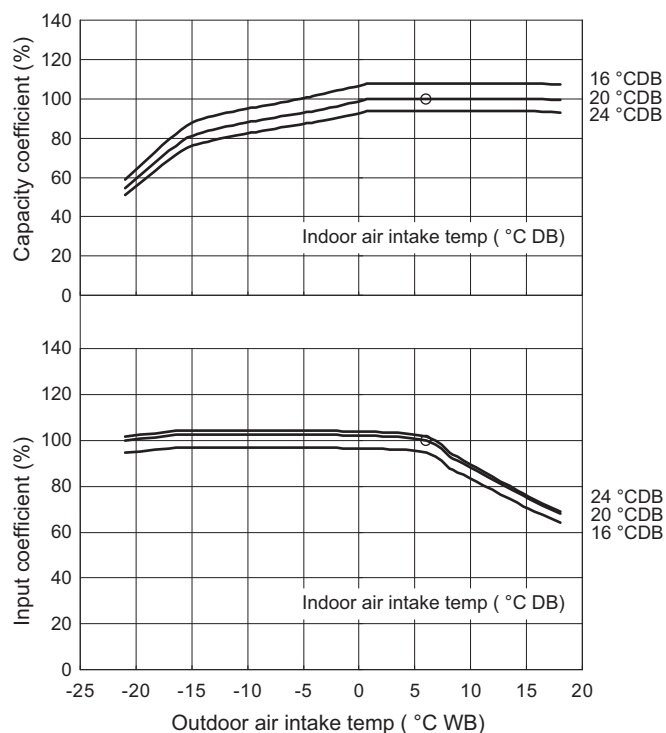
PE1

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

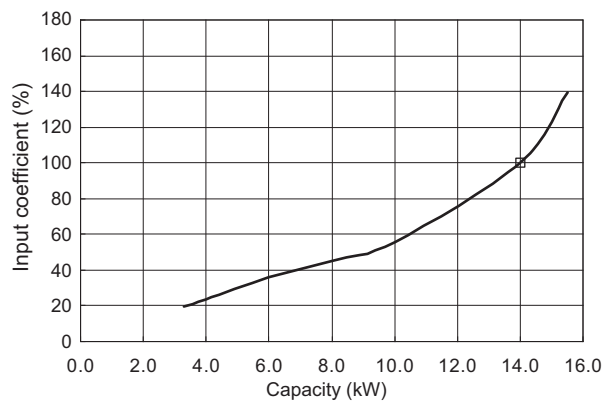
Cooling capacity ratio (maximum capacity)



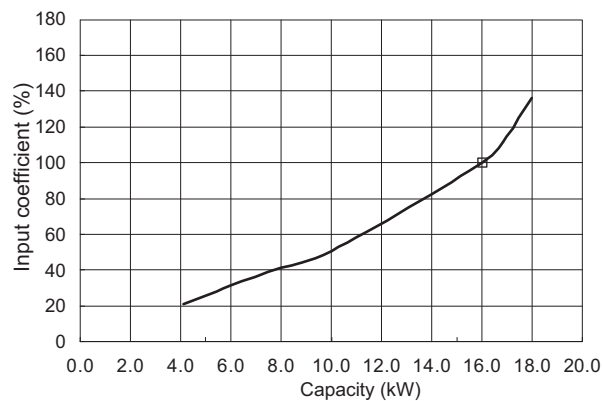
Heating capacity ratio (maximum capacity)



### 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  |

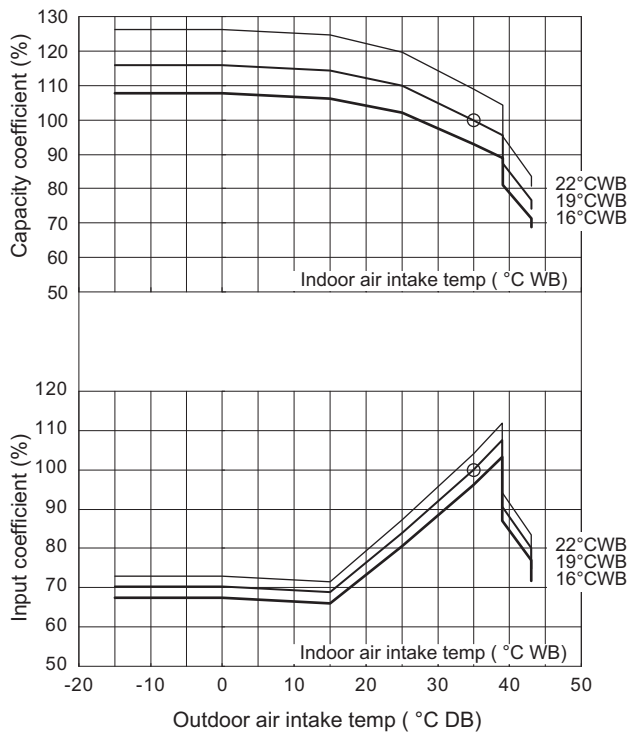
To calculate the heating capacity with consideration for frosting/defrosting operation, multiply the heating capacity found from the capacity graph by the correction coefficient from the table above.

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

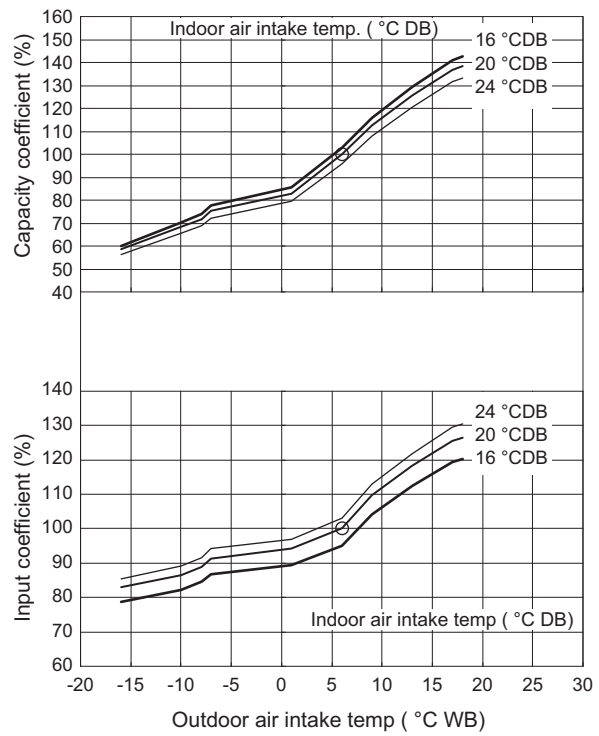
PEY1

U-60PEY1E5 (For 50 Hz)

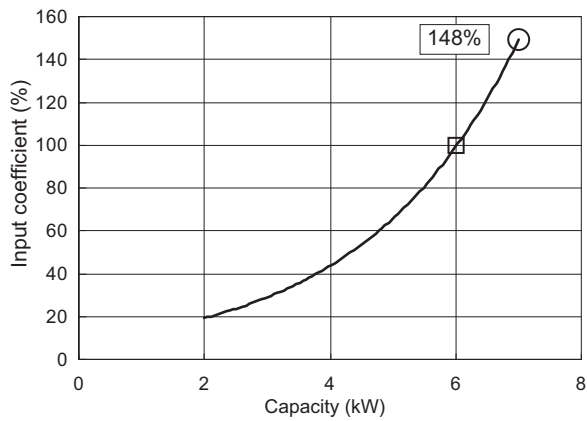
Cooling capacity ratio (maximum capacity)



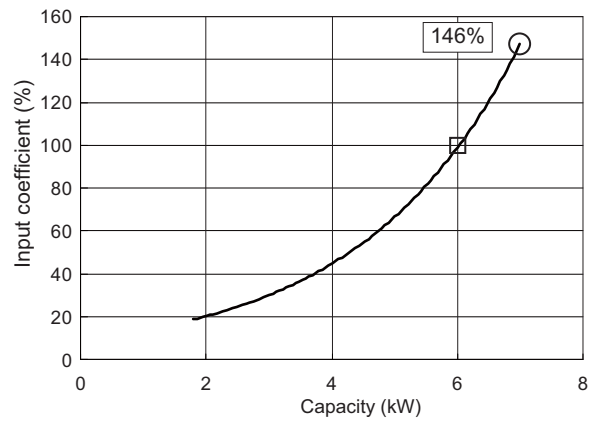
Heating capacity ratio (maximum capacity)



Cooling



Heating

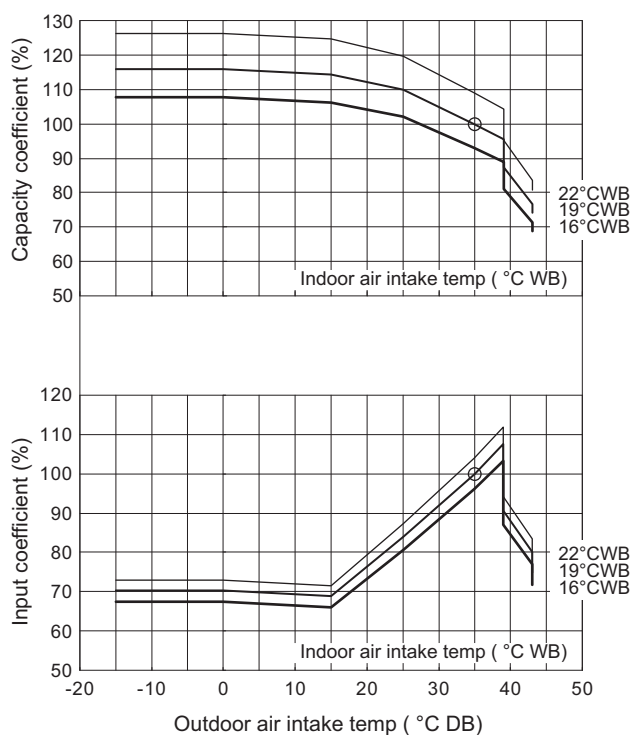


# 1-5. Capacity Correction Graph According to Temperature Condition

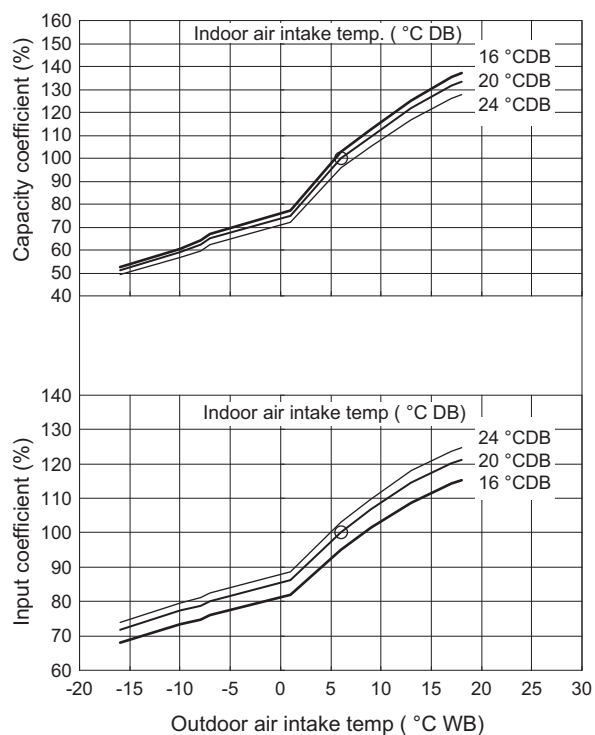
PEY1

U-71PEY1E5 (For 50 Hz)

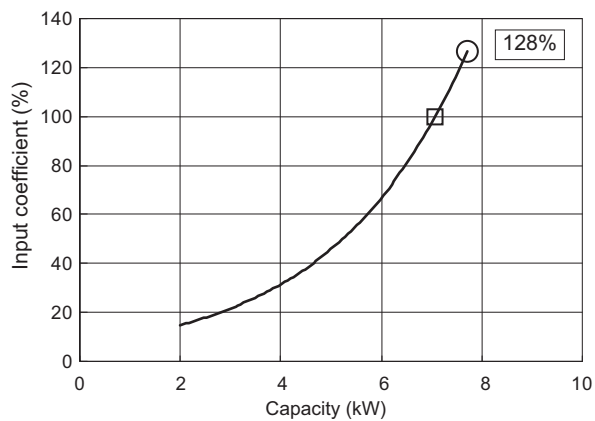
Cooling capacity ratio (maximum capacity)



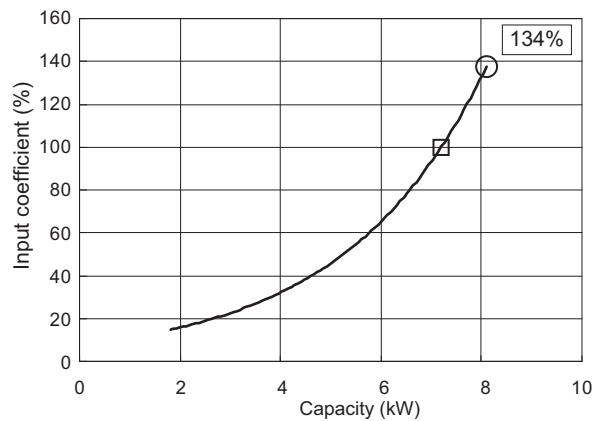
Heating capacity ratio (maximum capacity)



Cooling



Heating

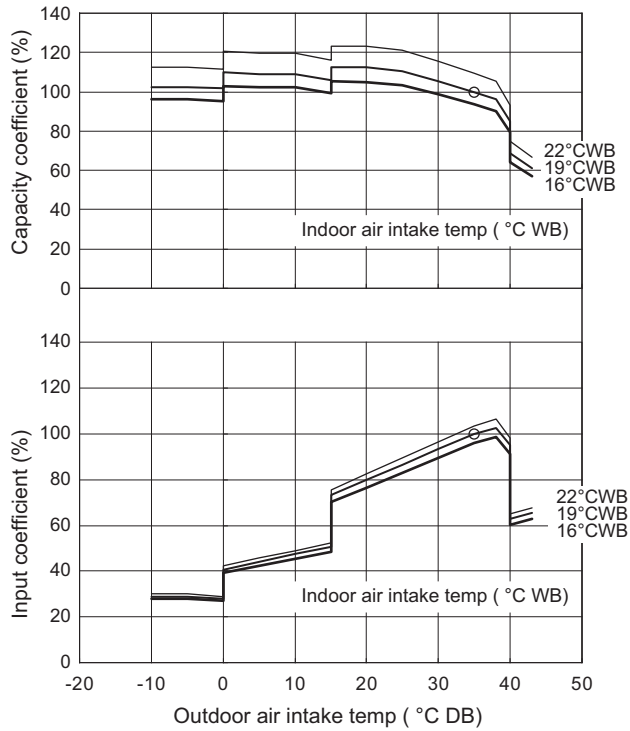


## 1-5. Capacity Correction Graph According to Temperature Condition

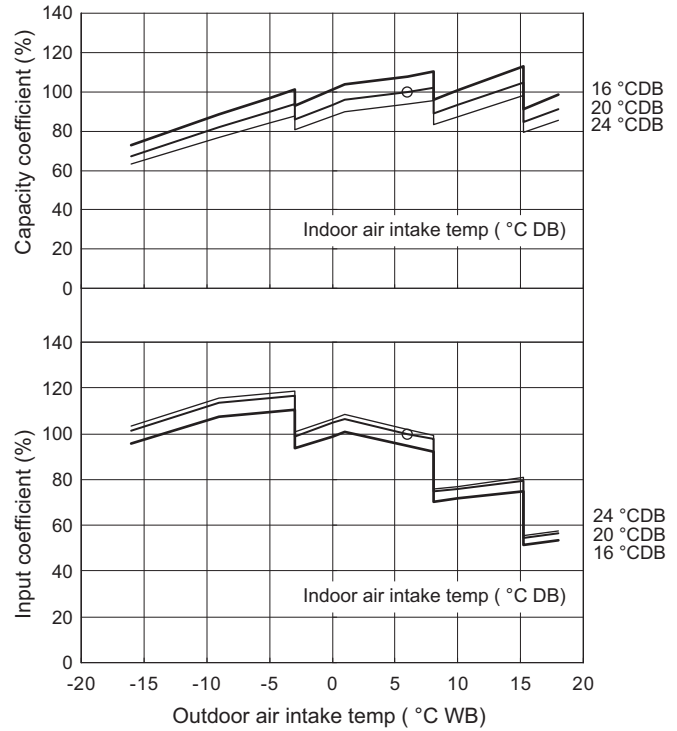
PEY1

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

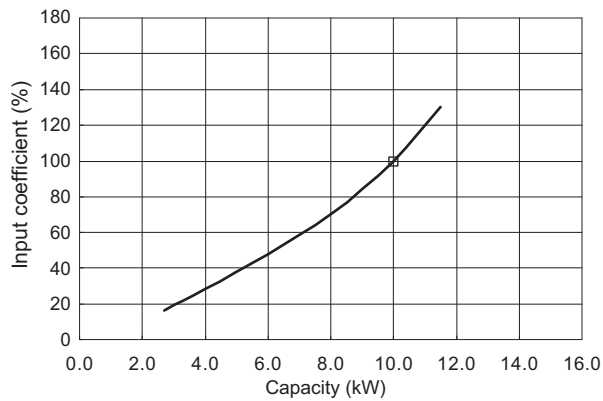
Cooling capacity ratio (maximum capacity)



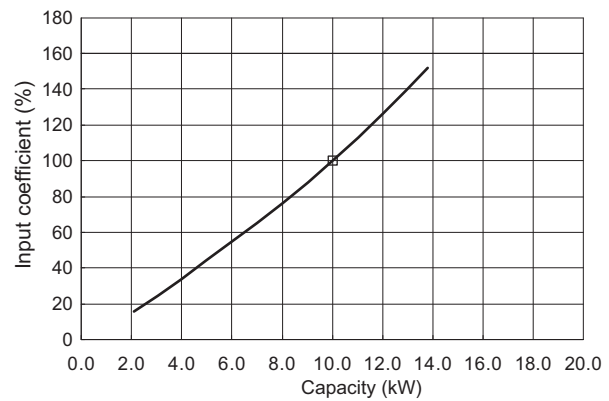
Heating capacity ratio (maximum capacity)



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  |

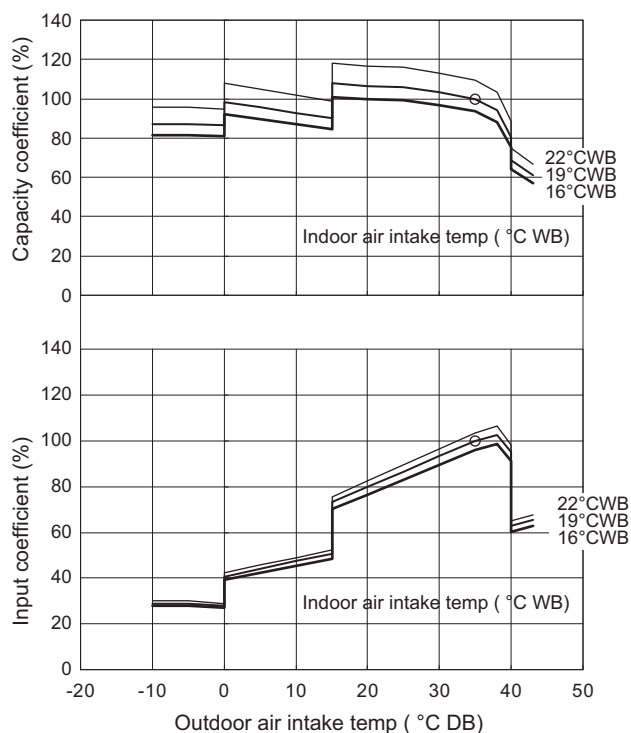
To calculate the heating capacity with consideration for frosting/defrosting operation, multiply the heating capacity found from the capacity graph by the correction coefficient from the table above.

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

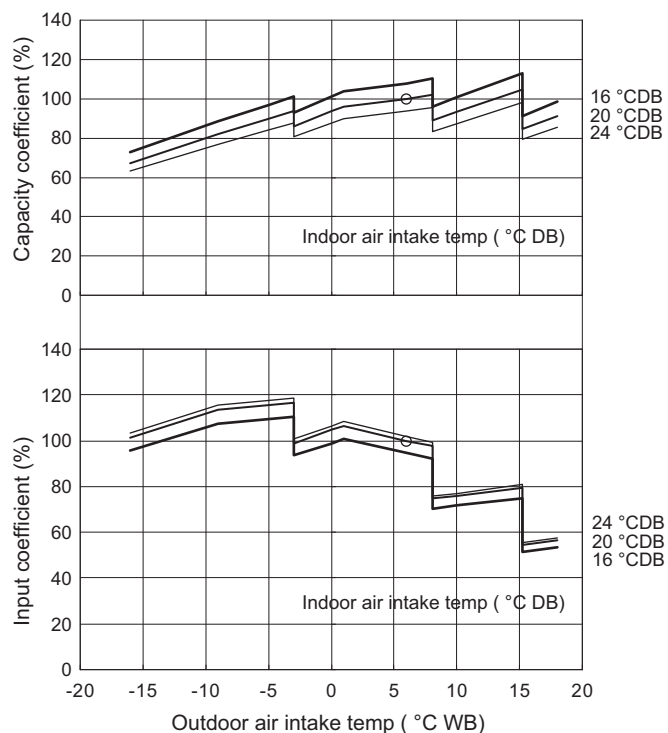
PEY1

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

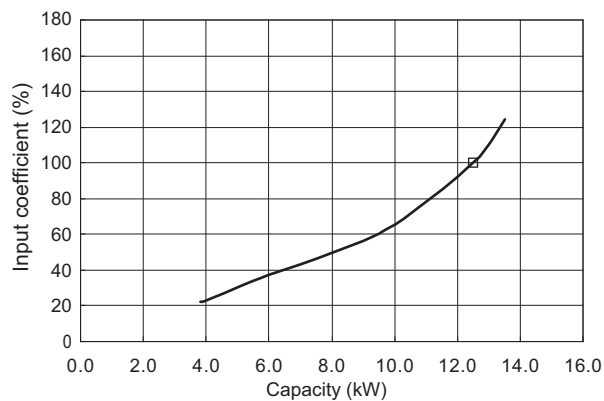
Cooling capacity ratio (maximum capacity)



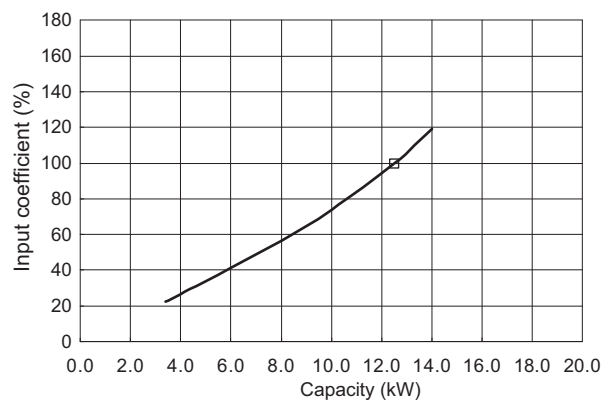
Heating capacity ratio (maximum capacity)



### 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  |

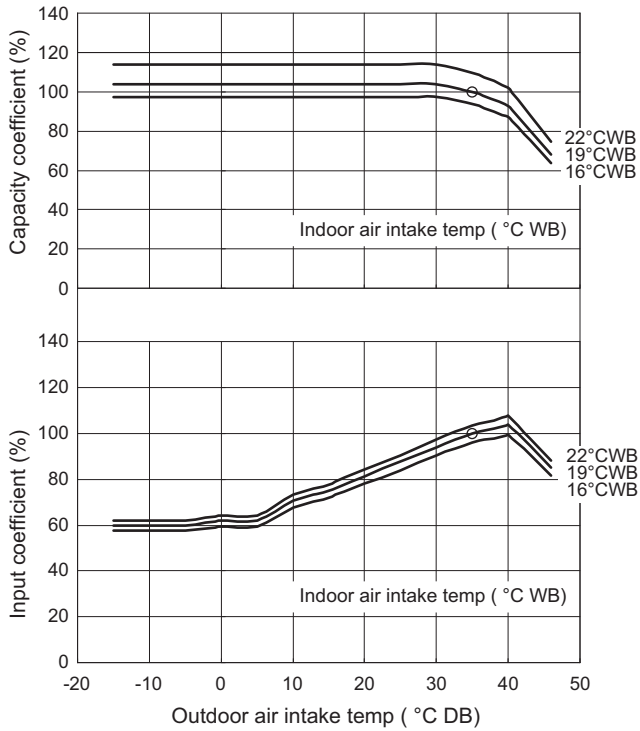
To calculate the heating capacity with consideration for frosting/defrosting operation, multiply the heating capacity found from the capacity graph by the correction coefficient from the table above.

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

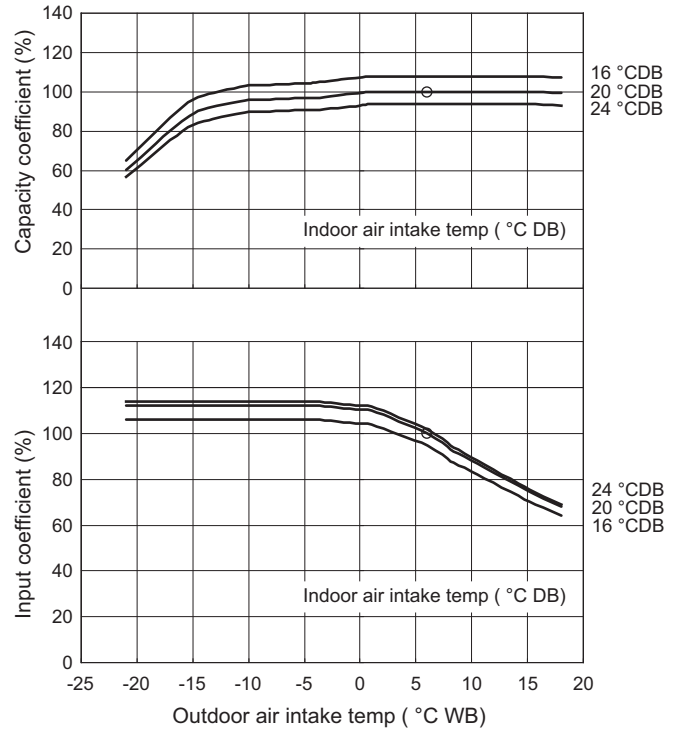
PEY1

U-140PEY1E8 (For 50 Hz)

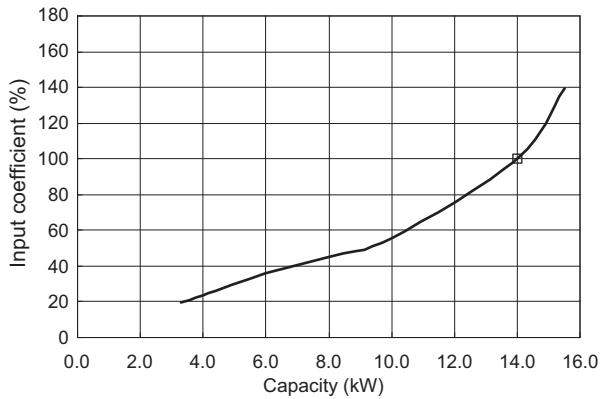
Cooling capacity ratio (maximum capacity)



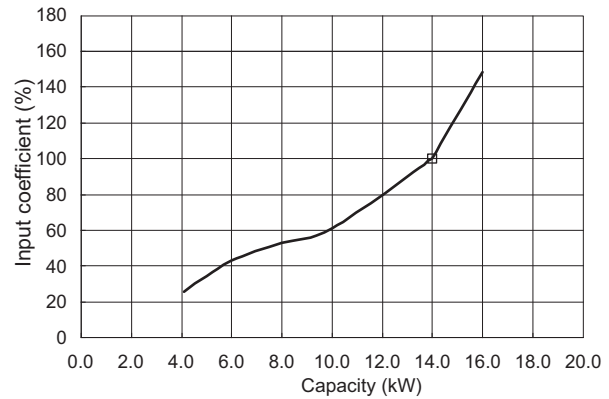
Heating capacity ratio (maximum capacity)



### 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.

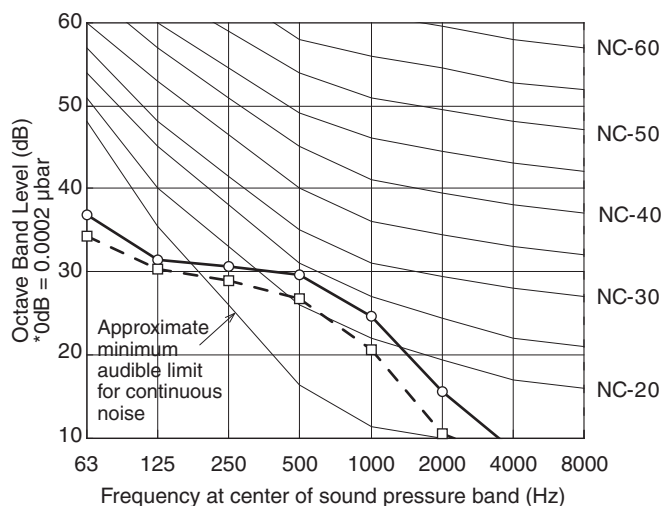
## 1-6. Noise Criterion Curves

### (A) Indoor Units:

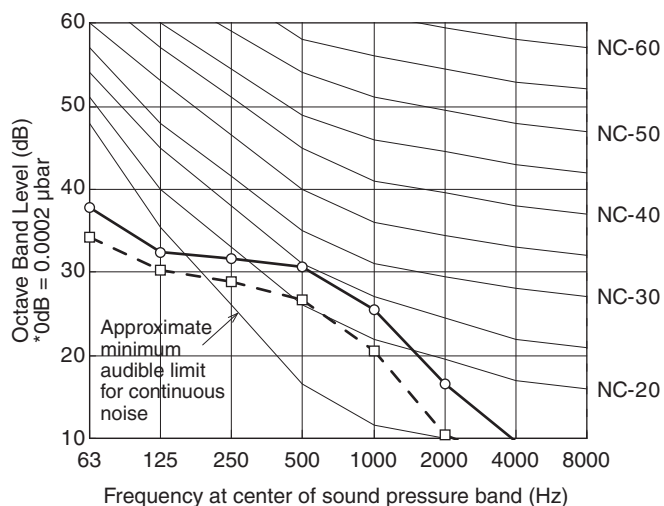
#### 4 WAY Cassette Type

—○— High  
- -□- - Low

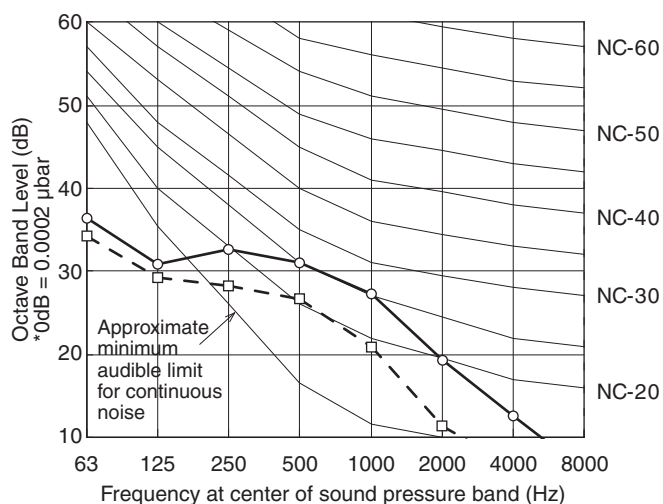
|                    |                               |
|--------------------|-------------------------------|
| MODEL              | : S-36PU1E5A                  |
| SOUND LEVEL : High | 30 dB(A)                      |
| Low                | 27 dB(A)                      |
| CONDITION          | : Under the unit 1.5m         |
| SOURCE             | : 220-230-240V, 1 phase, 50Hz |



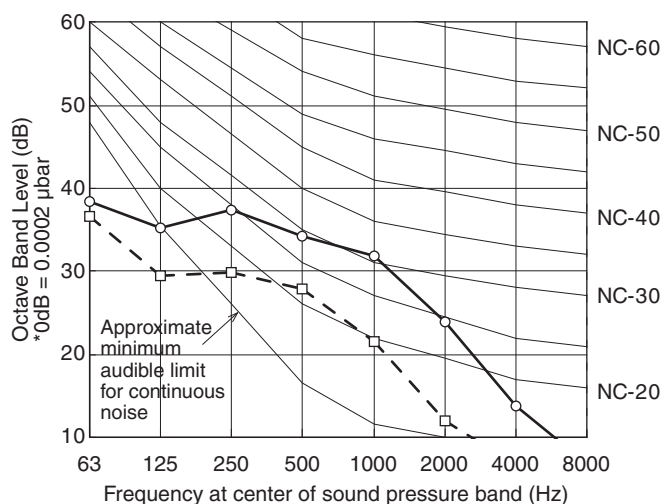
|                    |                               |
|--------------------|-------------------------------|
| MODEL              | : S-45PU1E5A                  |
| SOUND LEVEL : High | 31 dB(A)                      |
| Low                | 27 dB(A)                      |
| CONDITION          | : Under the unit 1.5m         |
| SOURCE             | : 220-230-240V, 1 phase, 50Hz |



|                    |                               |
|--------------------|-------------------------------|
| MODEL              | : S-50PU1E5A                  |
| SOUND LEVEL : High | 32 dB(A)                      |
| Low                | 27 dB(A)                      |
| CONDITION          | : Under the unit 1.5m         |
| SOURCE             | : 220-230-240V, 1 phase, 50Hz |



|                    |                               |
|--------------------|-------------------------------|
| MODEL              | : S-60PU1E5A                  |
| SOUND LEVEL : High | 36 dB(A)                      |
| Low                | 28 dB(A)                      |
| CONDITION          | : Under the unit 1.5m         |
| SOURCE             | : 220-230-240V, 1 phase, 50Hz |

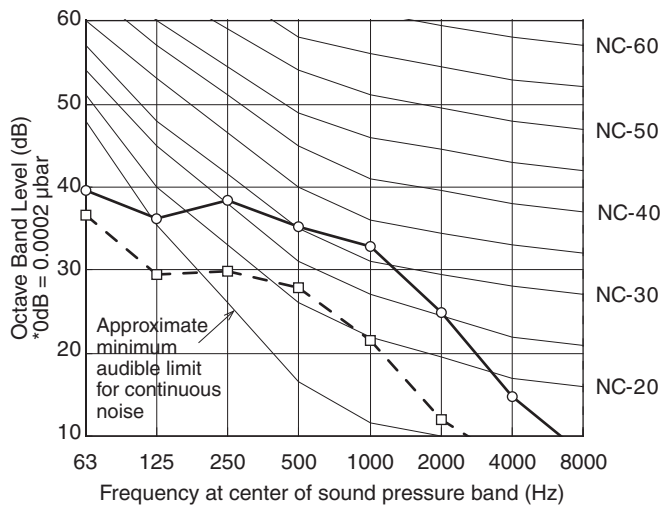


## 1-6. Noise Criterion Curves

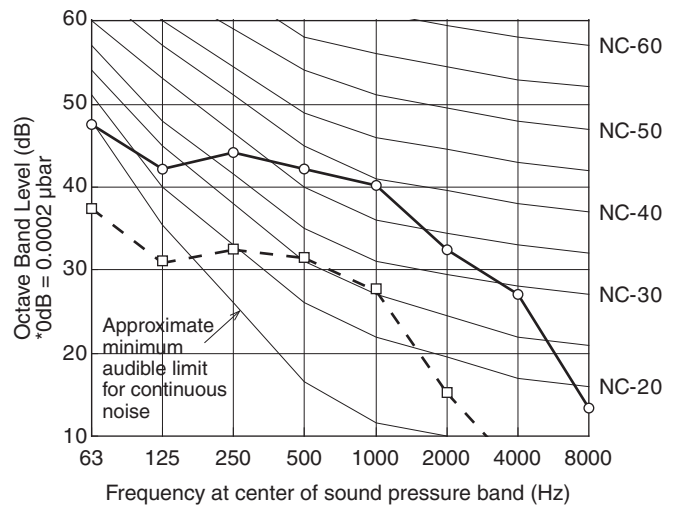
### (A) Indoor Units:

#### 4 WAY Cassette Type

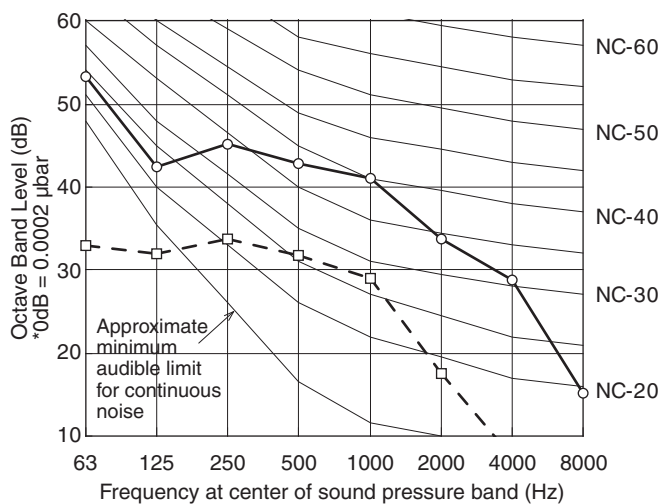
|             |                               |
|-------------|-------------------------------|
| MODEL       | : S-71PU1E5A                  |
| SOUND LEVEL | : High 37 dB(A)               |
|             | : Low 28 dB(A)                |
| CONDITION   | : Under the unit 1.5m         |
| SOURCE      | : 220-230-240V, 1 phase, 50Hz |



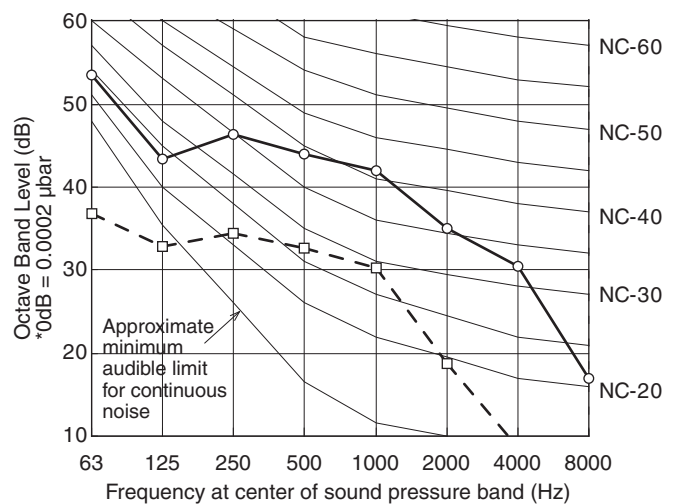
|             |                               |
|-------------|-------------------------------|
| MODEL       | : S-100PU1E5A                 |
| SOUND LEVEL | : High 44 dB(A)               |
|             | : Low 32 dB(A)                |
| CONDITION   | : Under the unit 1.5m         |
| SOURCE      | : 220-230-240V, 1 phase, 50Hz |



|             |                               |
|-------------|-------------------------------|
| MODEL       | : S-125PU1E5A                 |
| SOUND LEVEL | : High 45 dB(A)               |
|             | : Low 33 dB(A)                |
| CONDITION   | : Under the unit 1.5m         |
| SOURCE      | : 220-230-240V, 1 phase, 50Hz |



|             |                               |
|-------------|-------------------------------|
| MODEL       | : S-140PU1E5A                 |
| SOUND LEVEL | : High 46 dB(A)               |
|             | : Low 34 dB(A)                |
| CONDITION   | : Under the unit 1.5m         |
| SOURCE      | : 220-230-240V, 1 phase, 50Hz |



#### REMARKS:

1. Value obtained in the actual place where the unit is installed may be slightly higher than the values shown in this graph because of the conditions of operation, the structure of the building, the background noise and other factors.
2. The test results were obtained from an anechoic room.

#### NOTE

To evaluate "Noise level" the maximum number of the measured OCTAVE BAND SOUND PRESSURE LEVEL is used. Read the number on each BAND CENTER FREQUENCIES (horizontal axis) ranging from 63 Hz to 8000 Hz and select the maximum value (vertical axis) among them.

## 1-6. Noise Criterion Curves

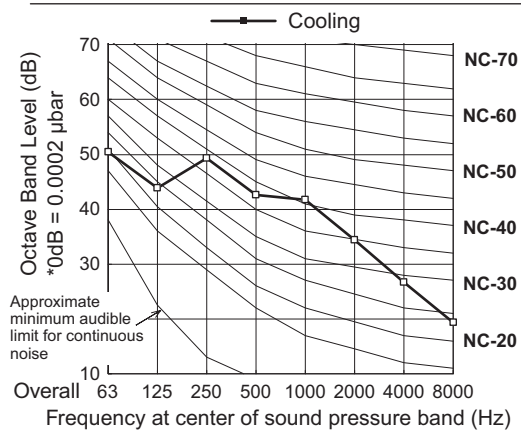
### (B) Outdoor Unit

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

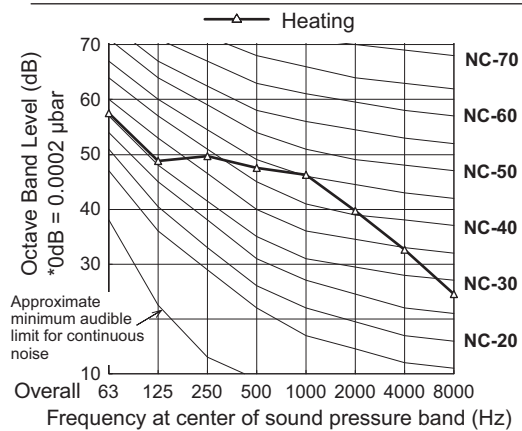


MODEL : U-50PE1E5

SOUND LEVEL : Heating 50 dB(A)

CONDITION : 1 m in front at height of 1.5 m

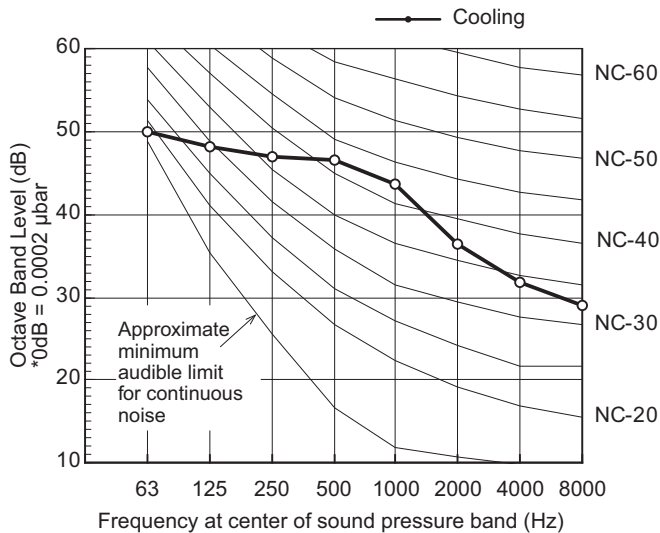
SOURCE : 220-230-240V, 1 phase, 50Hz



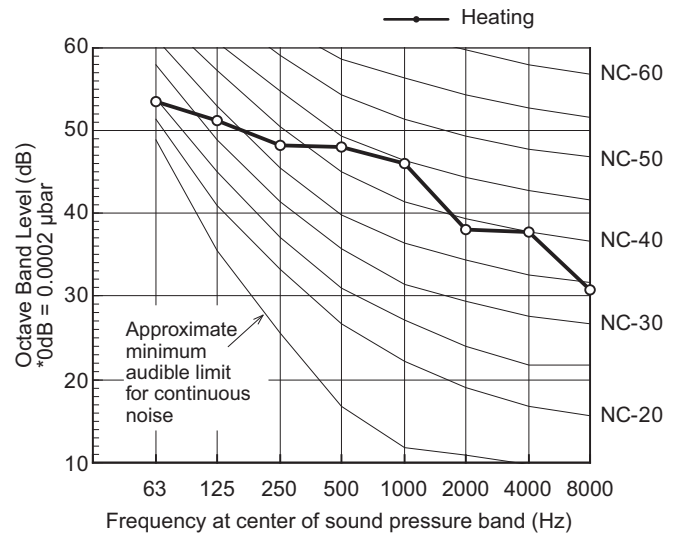
## 1-6. Noise Criterion Curves

### (B) Outdoor Unit

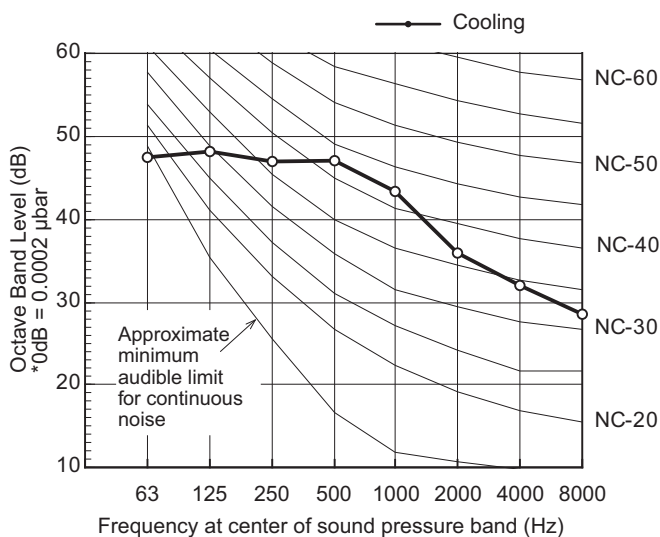
|             |                                   |
|-------------|-----------------------------------|
| MODEL       | : U-60PE1E5A                      |
| SOUND LEVEL | : Cooling 48 dB(A)                |
| CONDITION   | : 1 m in front at height of 1.5 m |
| SOURCE      | : 220-230-240V, 1 phase,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



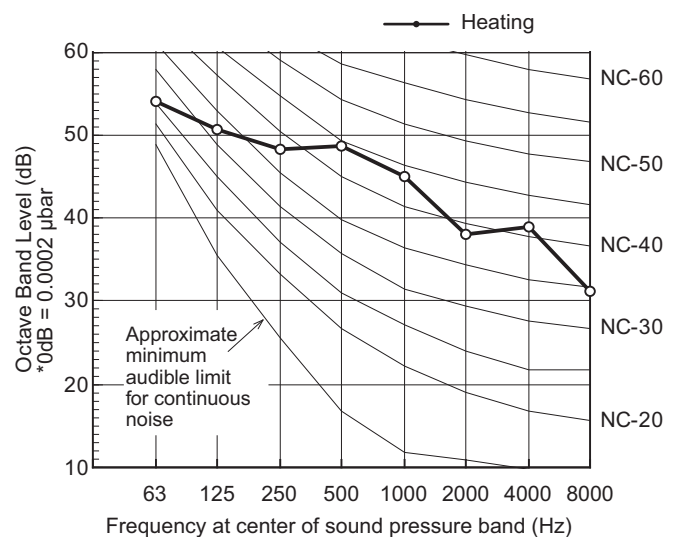
|             |                                   |
|-------------|-----------------------------------|
| MODEL       | : U-60PE1E5A                      |
| SOUND LEVEL | : Heating 50 dB(A)                |
| CONDITION   | : 1 m in front at height of 1.5 m |
| SOURCE      | : 220-230-240V, 1 phase,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



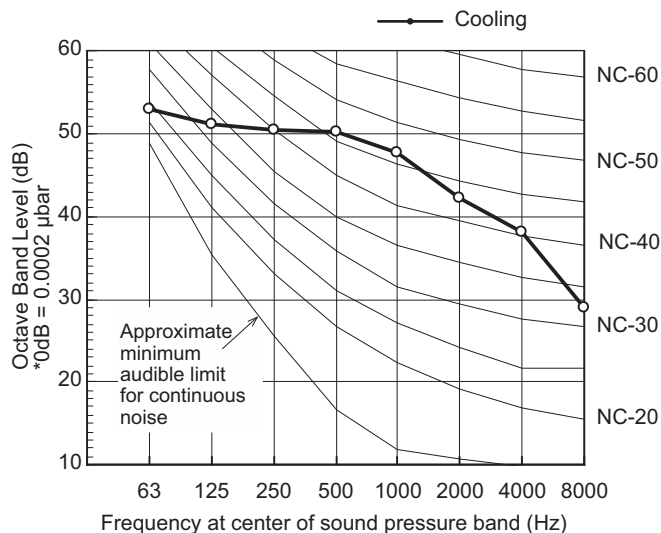
|             |                                                                                            |
|-------------|--------------------------------------------------------------------------------------------|
| MODEL       | : U-71PE1E5A, U-71PE1E8A                                                                   |
| 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 |



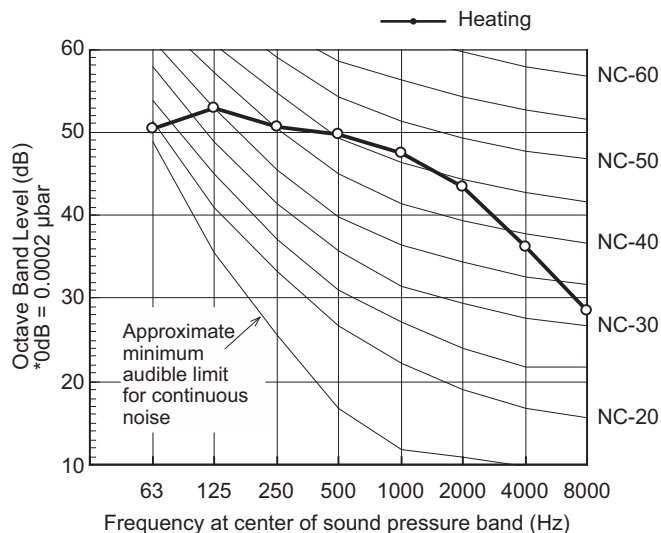
## 1-6. Noise Criterion Curves

### (B) Outdoor Unit

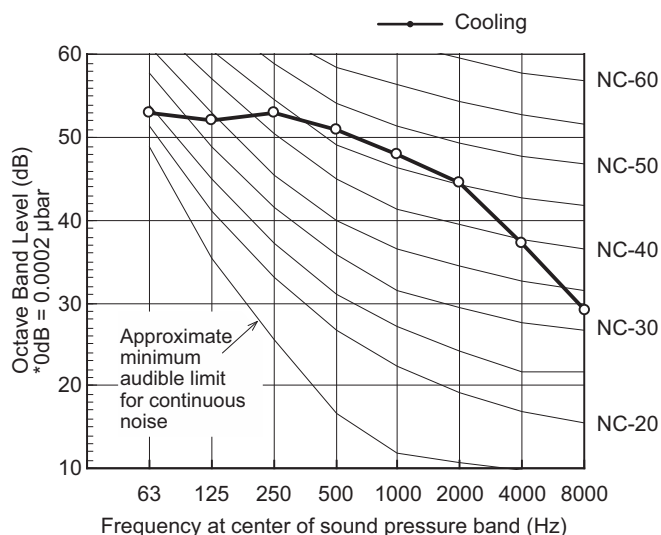
MODEL : U-100PE1E5A, U-100PE1E8A  
 SOUND LEVEL : Cooling 52 dB(A)  
 CONDITION : 1 m in front at height of 1.5 m  
 SOURCE 1 phase model : 220-230-240V, 1 phase, 50Hz  
 3 phase model : 380-400-415V, 3 phase, 50Hz



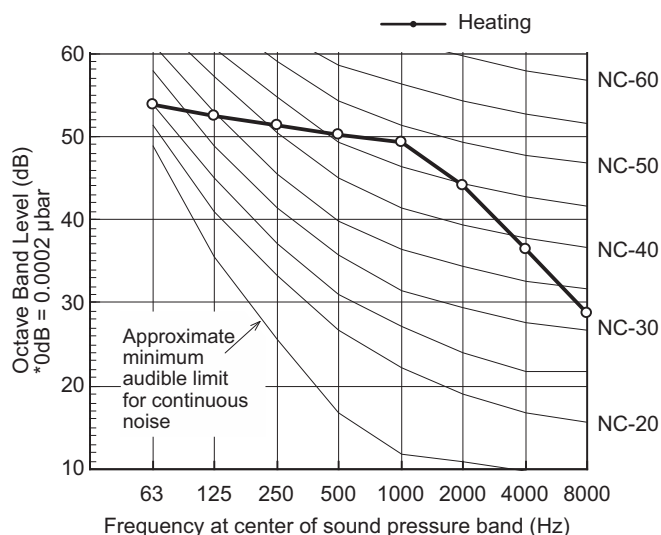
MODEL : U-100PE1E5A, U-100PE1E8A  
 SOUND LEVEL : Heating 52 dB(A)  
 CONDITION : 1 m in front at height of 1.5 m  
 SOURCE 1 phase model : 220-230-240V, 1 phase, 50Hz  
 3 phase model : 380-400-415V, 3 phase, 50Hz



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



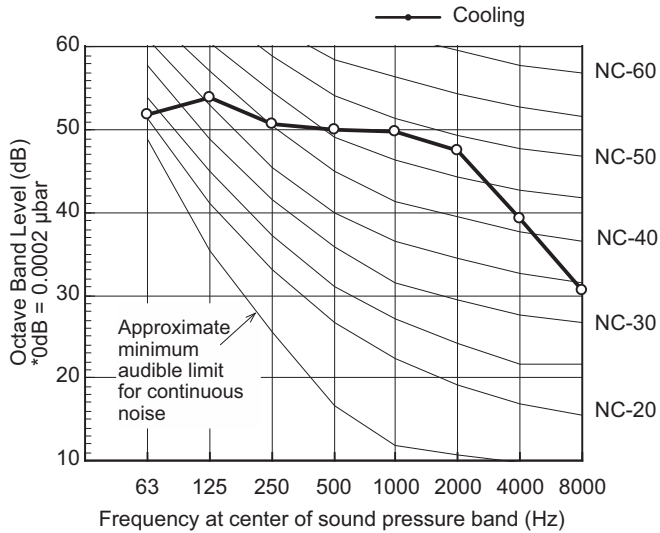
MODEL : U-125PE1E5A, U-125PE1E8A  
 SOUND LEVEL : Heating 53 dB(A)  
 CONDITION : 1 m in front at height of 1.5 m  
 SOURCE 1 phase model : 220-230-240V, 1 phase, 50Hz  
 3 phase model : 380-400-415V, 3 phase, 50Hz



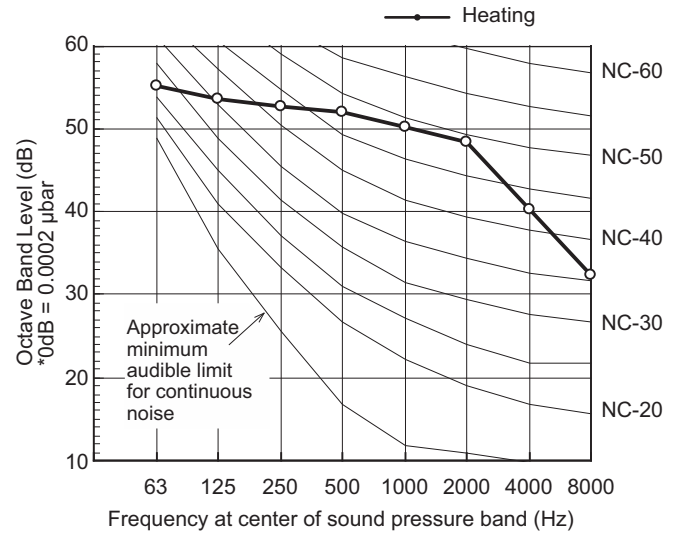
## 1-6. Noise Criterion Curves

### (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



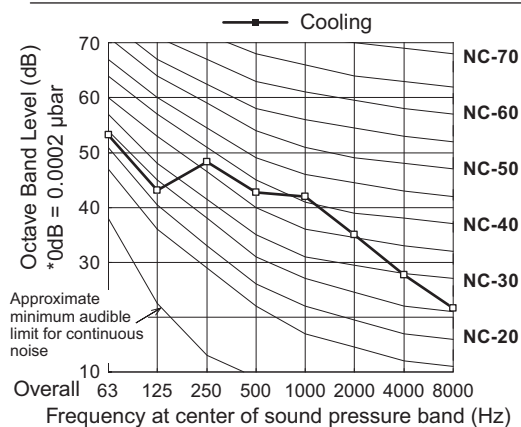
MODEL : U-140PE1E5A, U-140PE1E8A  
 SOUND LEVEL : Heating 55 dB(A)  
 CONDITION : 1 m in front at height of 1.5 m  
 SOURCE 1 phase model : 220-230-240V, 1 phase, 50Hz  
 3 phase model : 380-400-415V, 3 phase, 50Hz



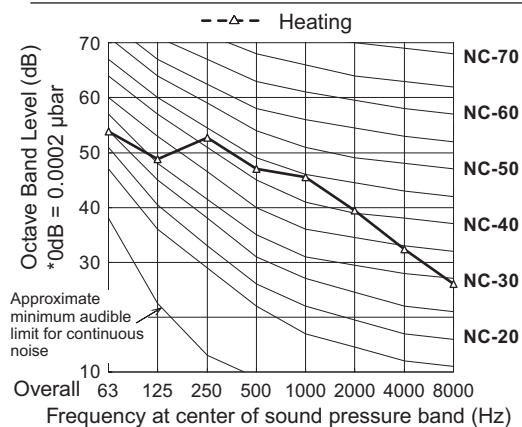
## 1-6. Noise Criterion Curves

### (B) Outdoor Unit

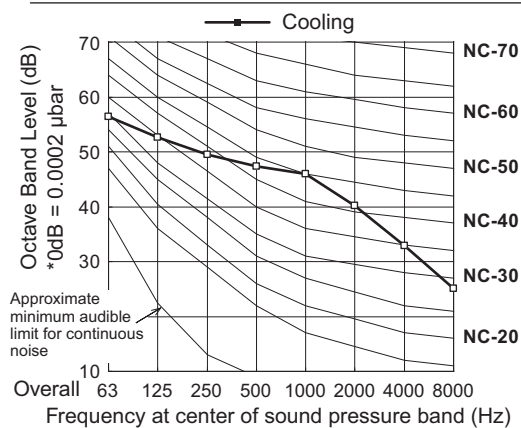
|             |                                   |
|-------------|-----------------------------------|
| MODEL       | : U-60PEY1E5                      |
| SOUND LEVEL | : Cooling 46 dB(A)                |
| CONDITION   | : 1 m in front at height of 1.5 m |
| SOURCE      | : 220-230-240V, 1 phase,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



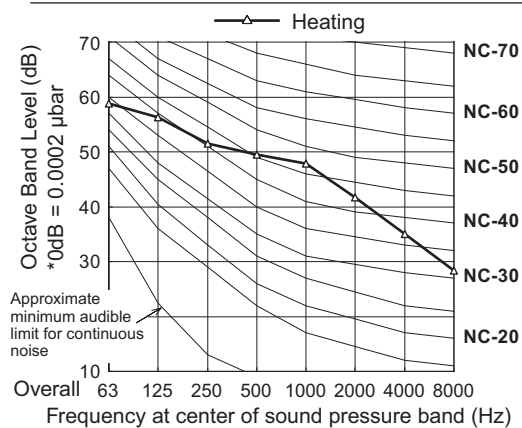
|             |                                   |
|-------------|-----------------------------------|
| MODEL       | : U-60PEY1E5                      |
| SOUND LEVEL | : Heating 50 dB(A)                |
| CONDITION   | : 1 m in front at height of 1.5 m |
| SOURCE      | : 220-230-240V, 1 phase,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

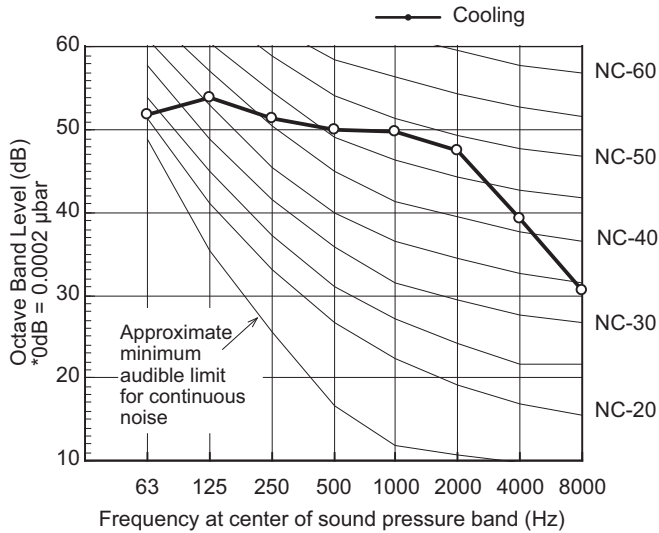
### (B) Outdoor Unit

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

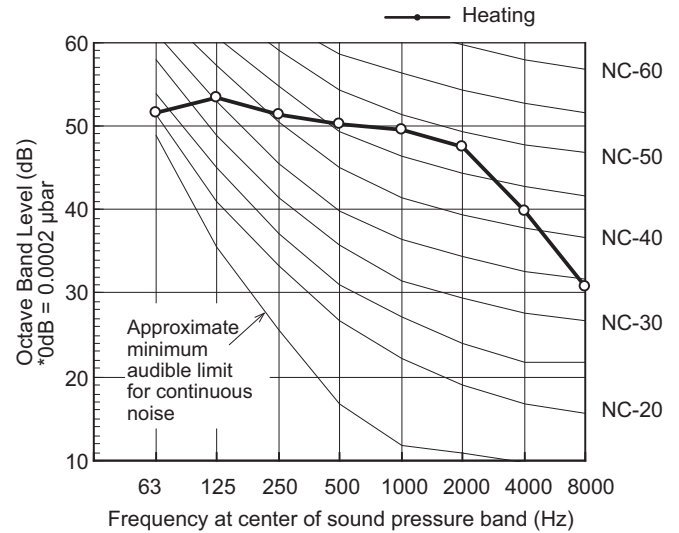


MODEL : U-100PEY1E5, U-100PEY1E8

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

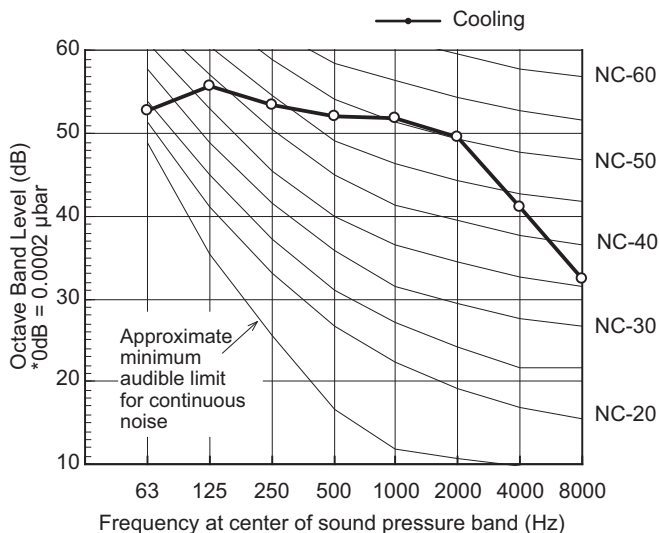


MODEL : U-125PEY1E5, U-125PEY1E8

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

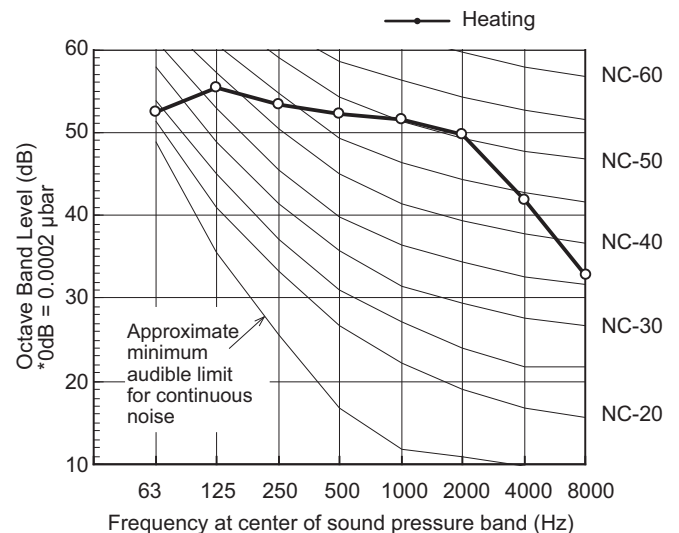


MODEL : U-125PEY1E5, U-125PEY1E8

SOUND LEVEL : Heating 56 dB(A)

CONDITION : 1 m in front at height of 1.5 m

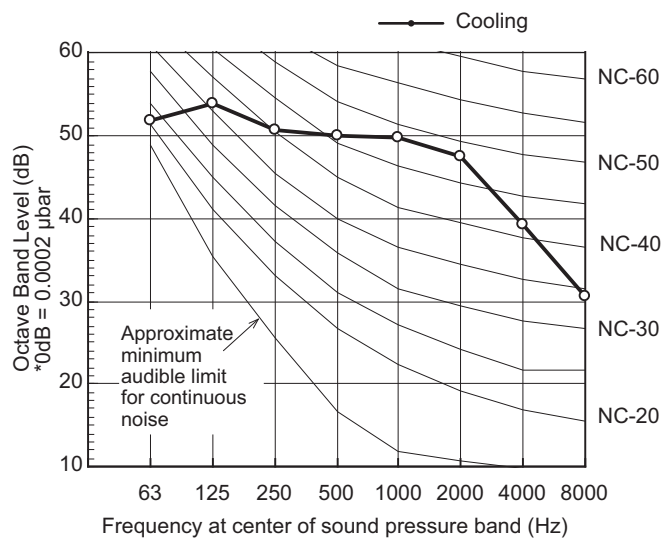
SOURCE 1 phase model : 220-230-240V, 1 phase, 50Hz  
3 phase model : 380-400-415V, 3 phase, 50Hz



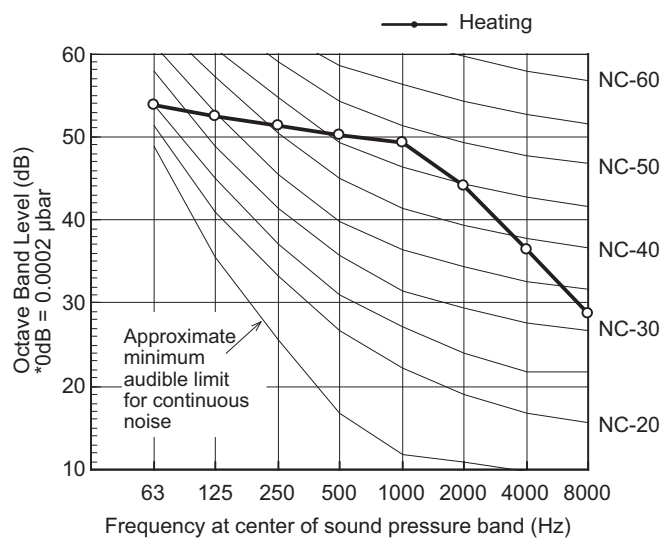
## 1-6. Noise Criterion Curves

### (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     |

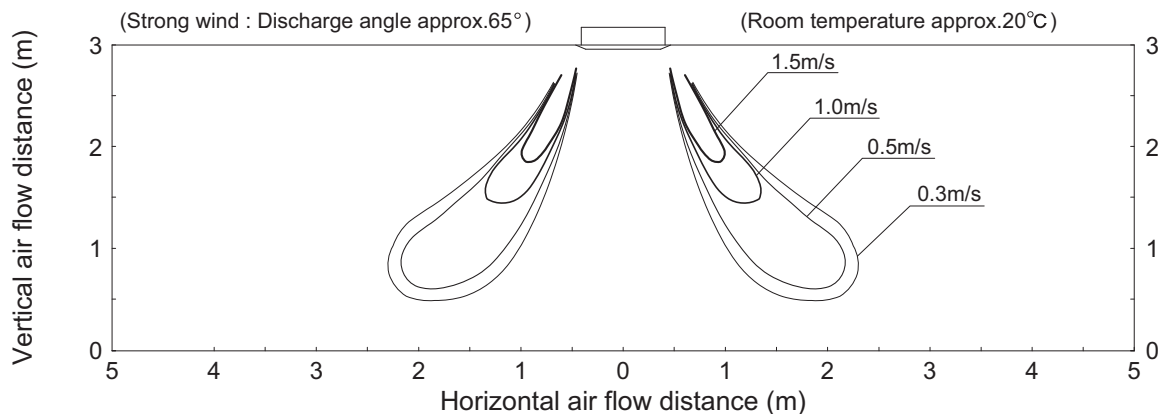


## 1-8. Airflow Distance Chart

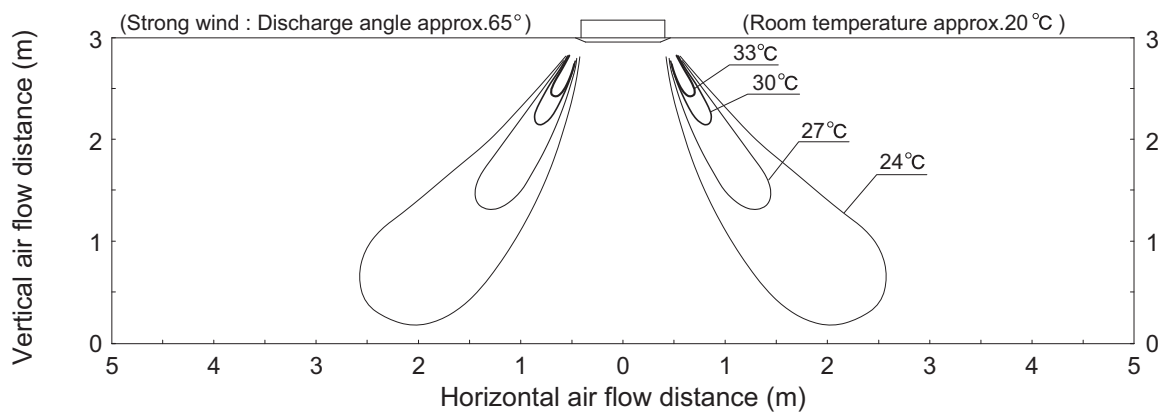
### 4-Way Cassette (U1 type)

#### S-36PU1E5A/45PU1E5A/50PU1E5A

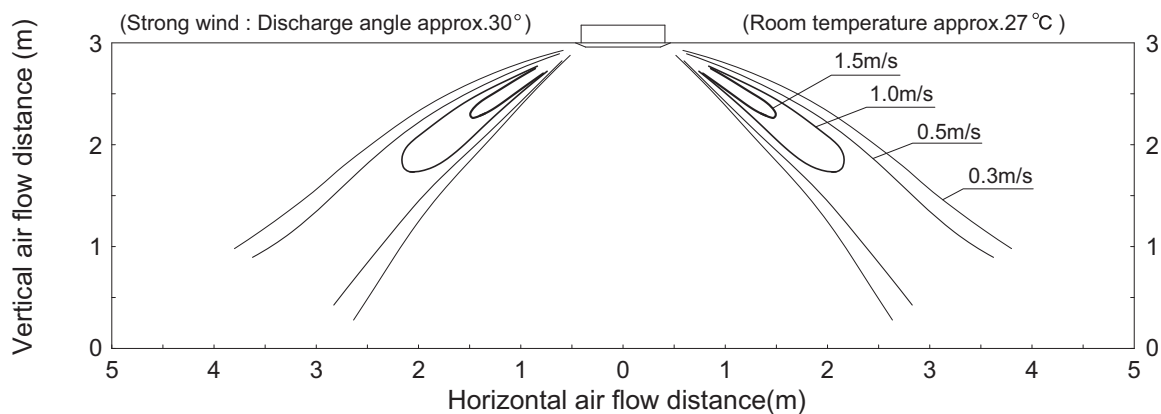
Heating : Distribution of wind velocity



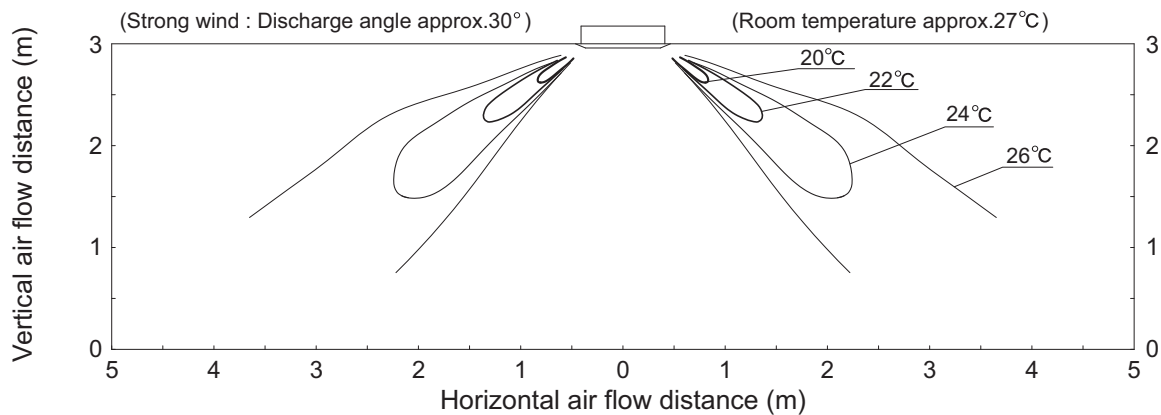
Heating : Distribution of temperature



Cooling : Distribution of wind velocity



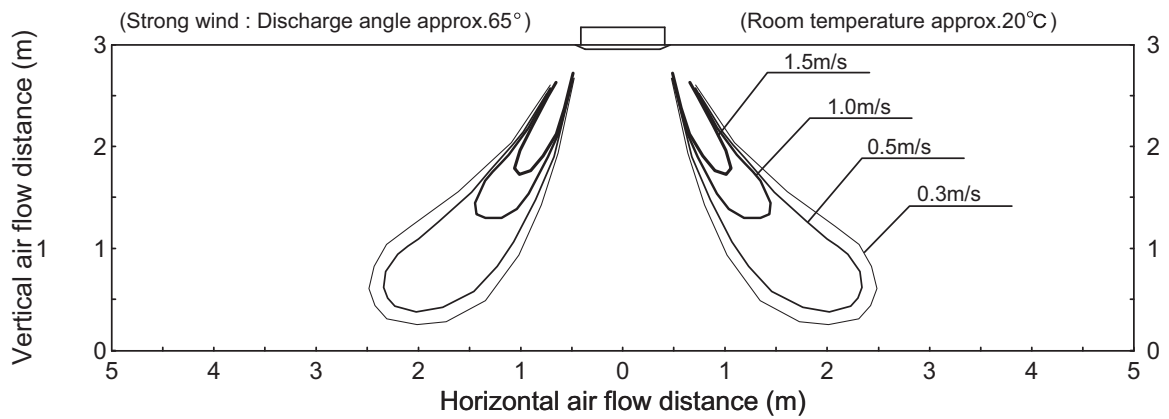
Cooling : Distribution of temperature



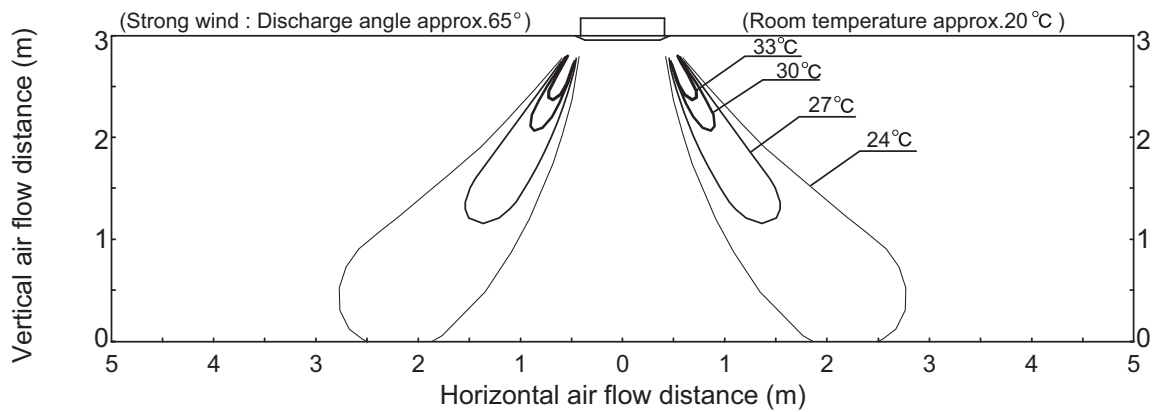
## 4-Way Cassette (U1 type)

### S-60PU1E5A / 71PU1E5A

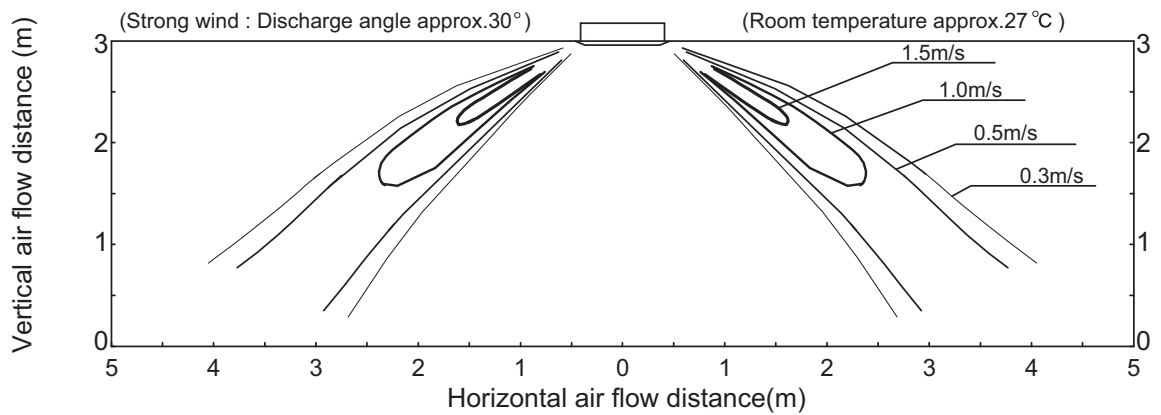
Heating : Distribution of wind velocity



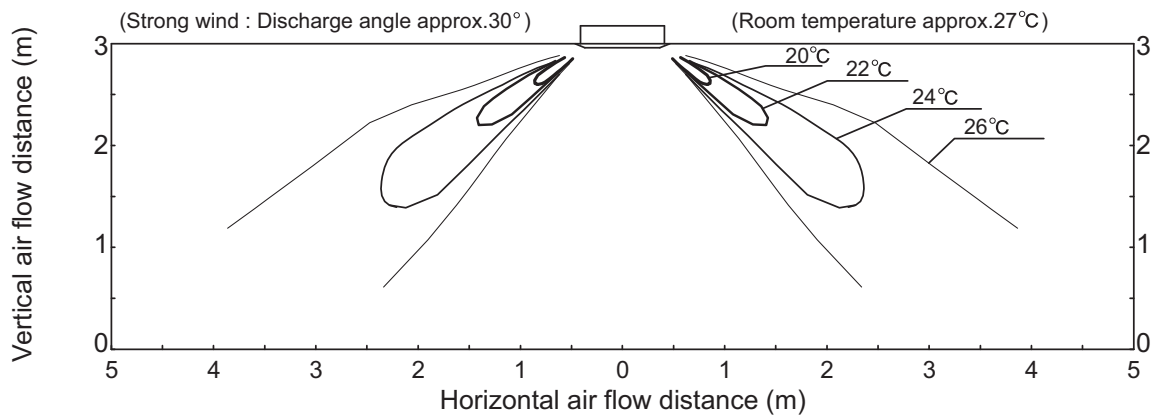
Heating : Distribution of temperature



Cooling : Distribution of wind velocity



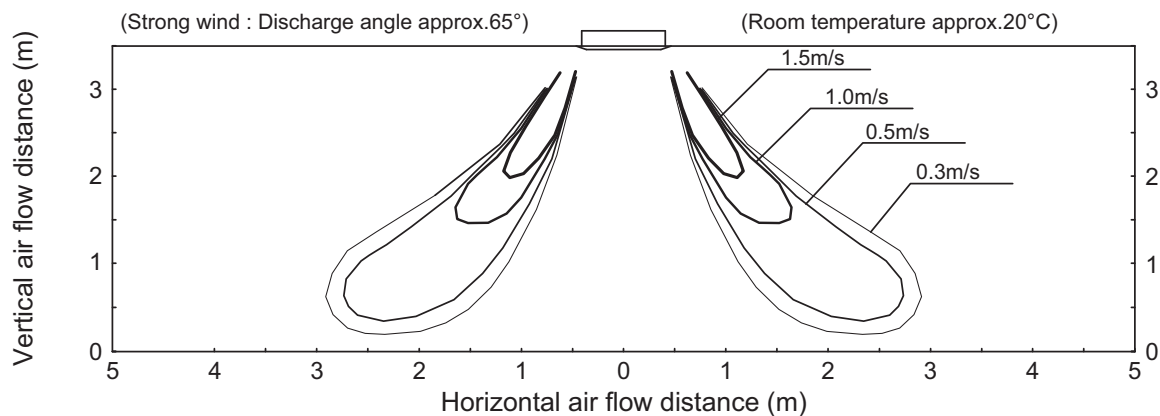
Cooling : Distribution of temperature



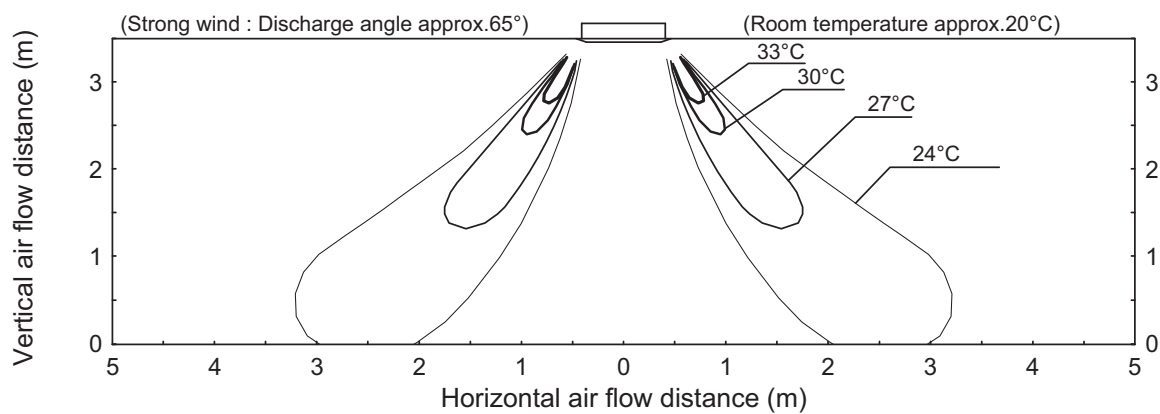
## 4-Way Cassette (U1 type)

### S-100PU1E5A / 125PU1E5A / 140PU1E5A

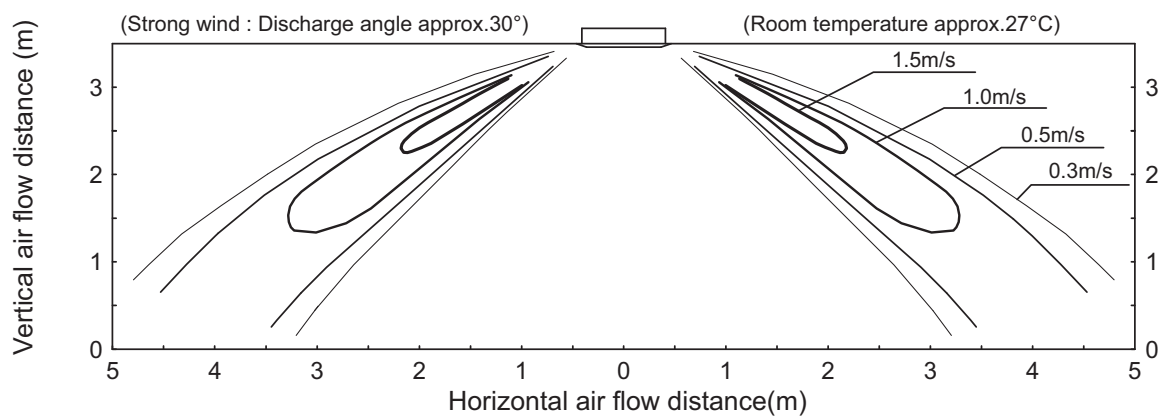
Heating : Distribution of wind velocity



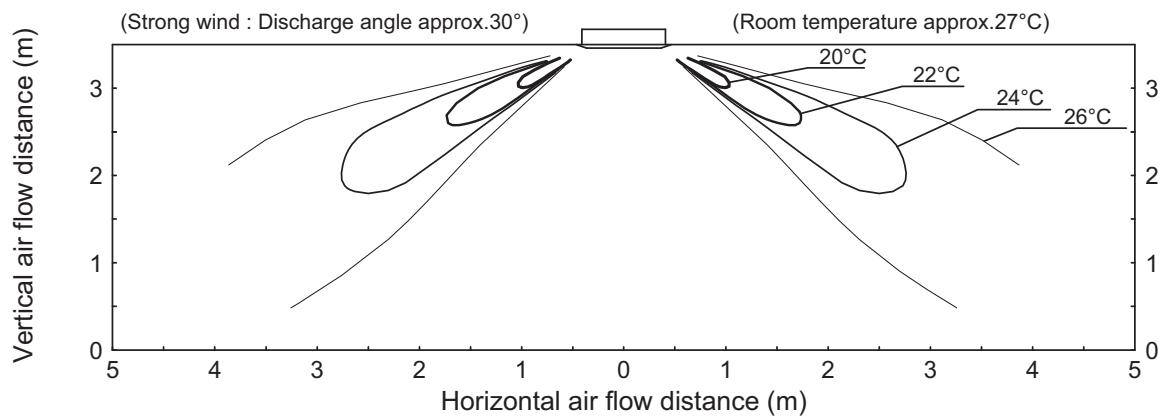
Heating : Distribution of temperature



Cooling : Distribution of wind velocity



Cooling : Distribution of temperature



## 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

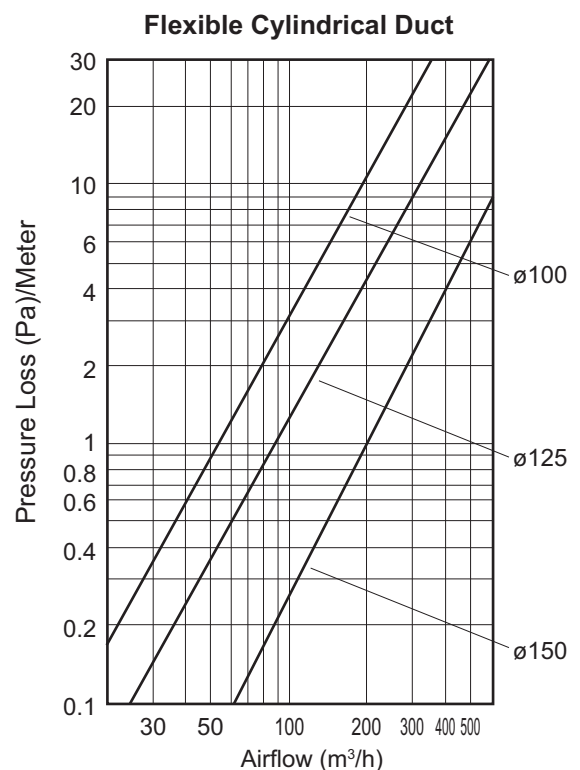
Ensure that the design for external air intake is coupled with the fan blower operations of the indoor unit.  
There are cases in which the dust that accumulates in the filter is blown into the room if the external air is fed from the filter. There are also cases in which the noise of external air being 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

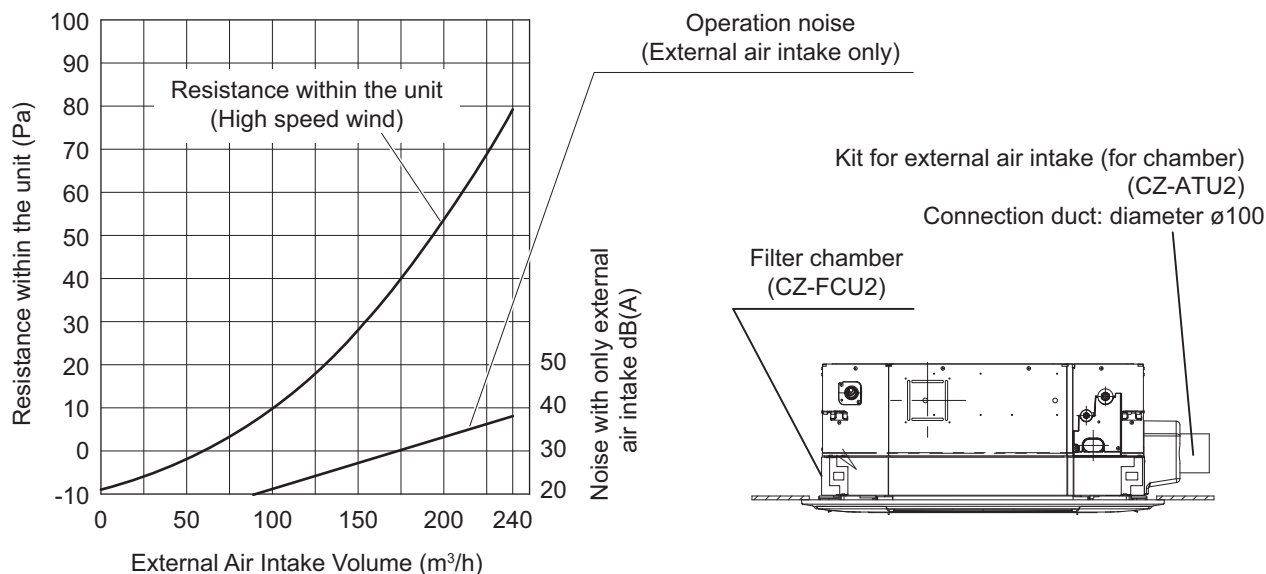
## 1-9-2. External Air Intake Volume & Resistance Within Unit / Operation Noise Characteristics

### ● 4-Way Cassette (U1 Type)



**CAUTION** Use the following diagram along with the section "1-9-1. Precautions Regarding External Air Intake"

#### 1-9-2-1. In a Case of External Air Intake Using Air Intake Chamber (CZ-FCU2+CZ-ATU2)



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

**With the External Air Intake Chamber 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 that is possible to feed when external air intake chamber is in use (CZ-FCU2+CZ-ATU2)

| Type                                 | 36  | 45  | 50  | 60  | 71  | 100 | 125 | 140 |
|--------------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|
| Permissible air intake volume (m³/h) | 180 | 180 | 180 | 190 | 240 | 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.

### ● Sample selection of booster fans

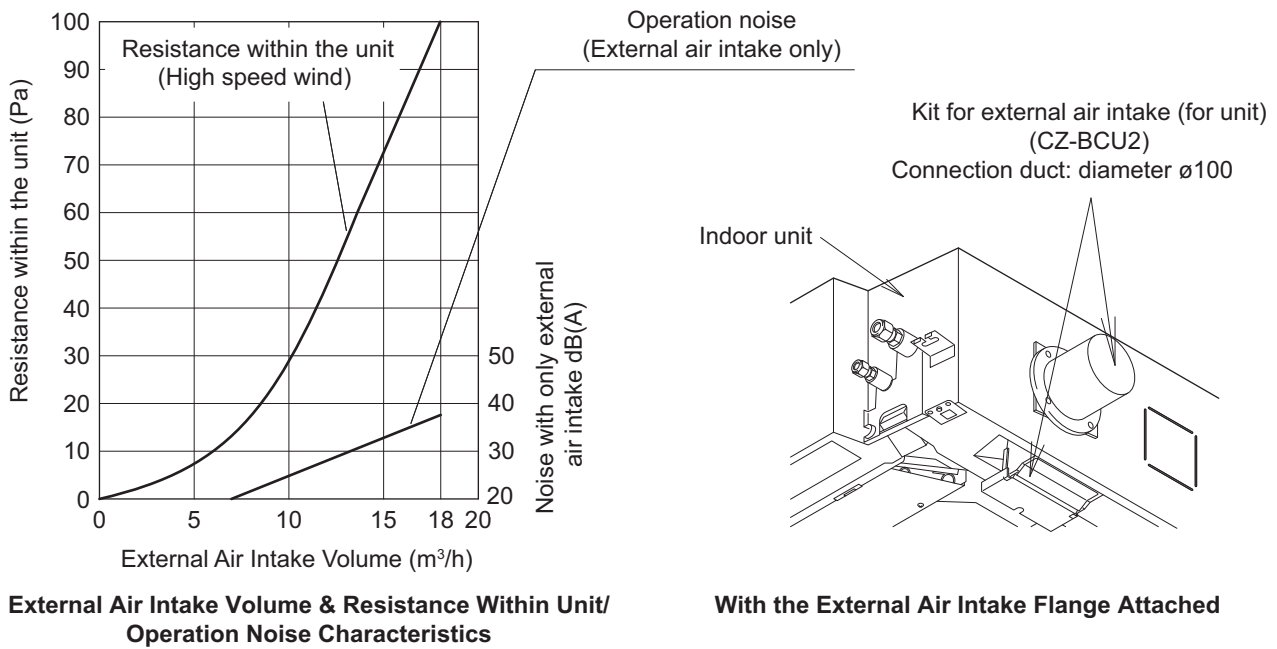
In a case of necessity at 200m³/h of external air intake:

1. Resistance within the unit      Diagram from "Resistance within the unit"      55 Pa
2. Duct resistance in case of duct with 4m length
 

|                 |                                                                            |                    |                 |
|-----------------|----------------------------------------------------------------------------|--------------------|-----------------|
| Duct resistance | Diagram from "Air Flow Volume for Flexible Cylindrical Duct-Pressure Loss" | 40 Pa              | (=10 Pa/m x 4m) |
|                 |                                                                            | <b>Total 95 Pa</b> |                 |

Therefore, a booster is required to save a total 95 Pa of static pressure.

# 1-9-2-2. In a Case of External Air Intake to Unit Directly (Using external air intake kit for unit: CZ-BCU2)



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 (CZ-BCU2)

| Type                                 | 36 | 45 | 50 | 60 | 71 | 100 | 125 | 140 |
|--------------------------------------|----|----|----|----|----|-----|-----|-----|
| Permissible air intake volume (m³/h) | 13 | 15 | 15 | 17 | 18 | 18  | 18  | 18  |

\* 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                              |

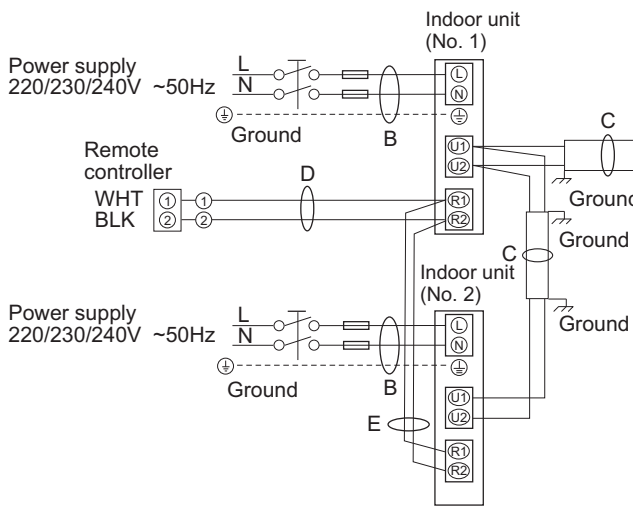
#### Control wiring

| (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

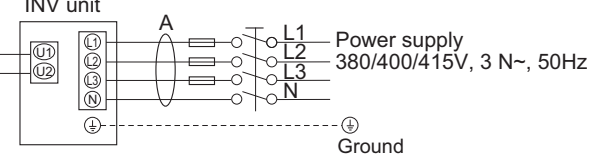
\* With ring-type wire terminal.

## ■ Wiring System Diagrams



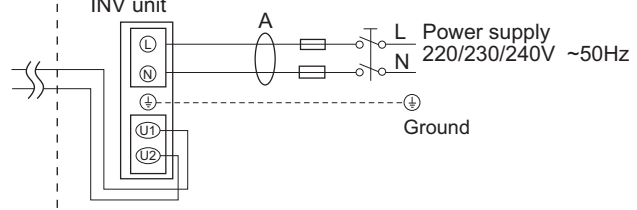
### \* 3-phase model connections

#### Outdoor unit (3-phase)



### \* Single-phase model connections

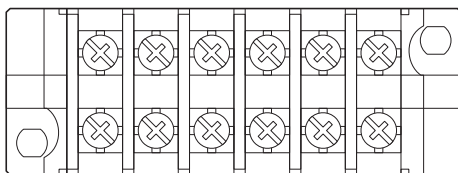
#### Outdoor unit (single-phase)



### NOTE

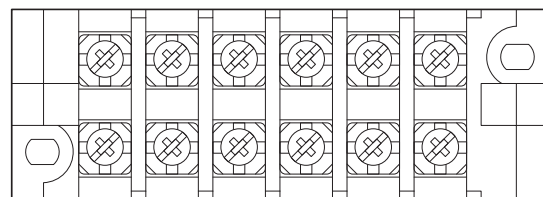
- (1) Refer to "Recommended Wire Length and Wire Diameter for Power Supply System" for the explanation of "A", "B", "C", "D" and "E" in the above diagram.
- (2) The basic connection diagram of the indoor unit shows the terminal boards, so the terminal boards in your equipment may differ from the diagram.
- (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



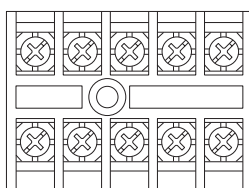
U1 Type

6P terminal board



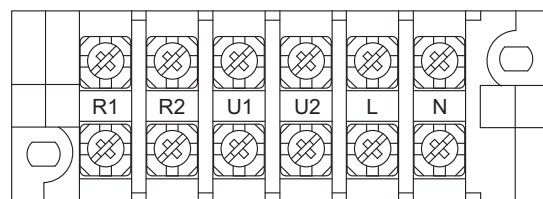
T2, F1 Type

5P terminal board



K1 Type

6P terminal board

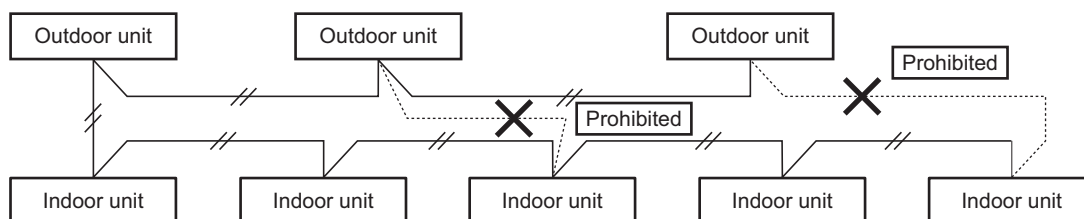


N1 Type

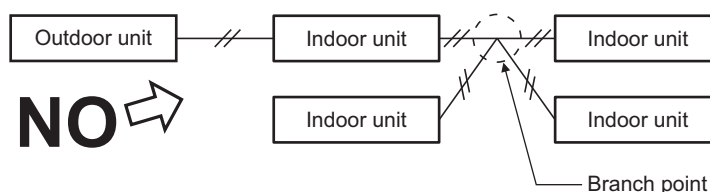


# CAUTION

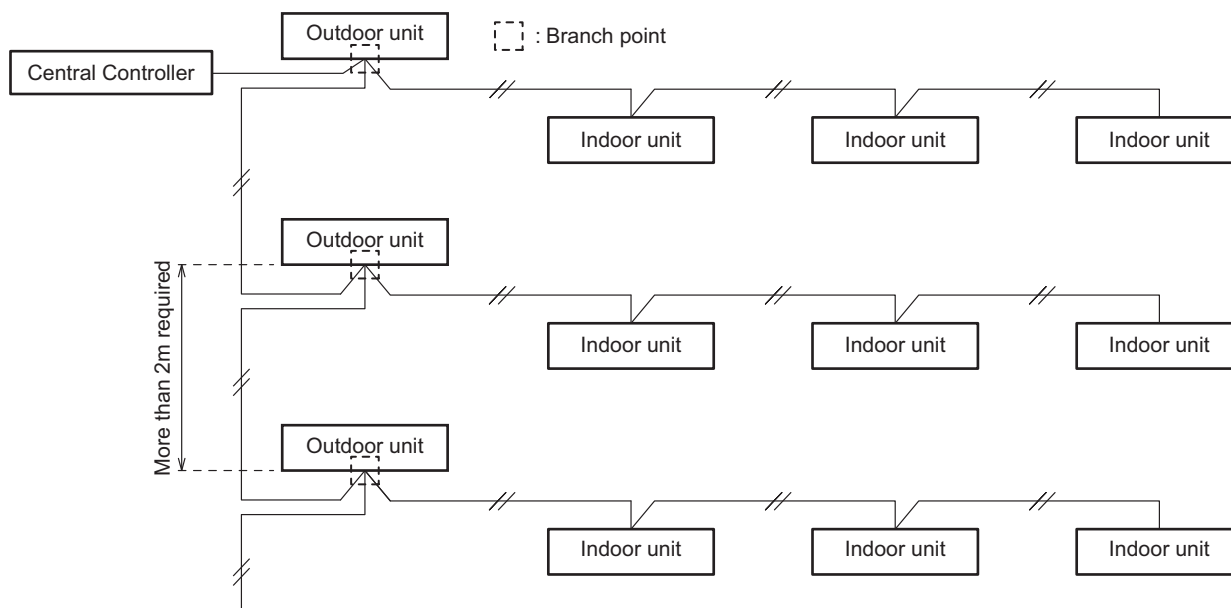
- (1) When linking the outdoor units in a network, disconnect the terminal extended from the short plug from all outdoor units except any one of the outdoor units.  
(When shipping: In shorted condition.)  
For a system without link (no wiring connection between outdoor units), do not remove the short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

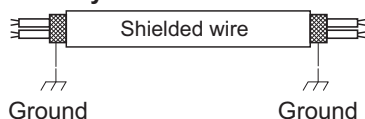


- (4) If branching the inter-unit control wiring, the number of branch points should be 16 or fewer.



- (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)

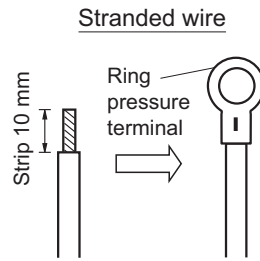


Fig. 1-1

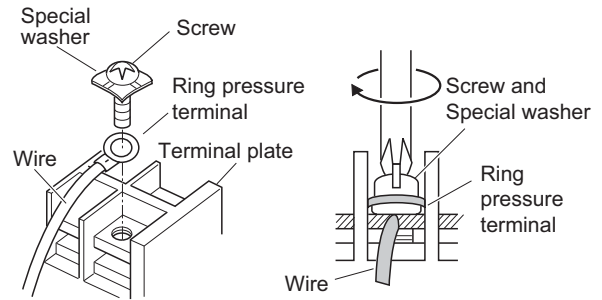


Fig. 1-2

### ■ 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

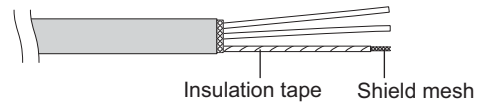


Fig. 1-4

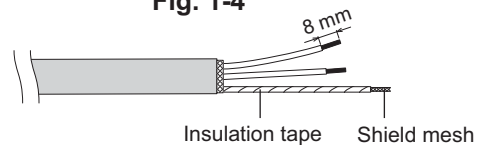


Fig. 1-5

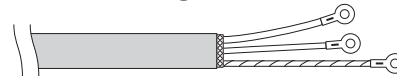
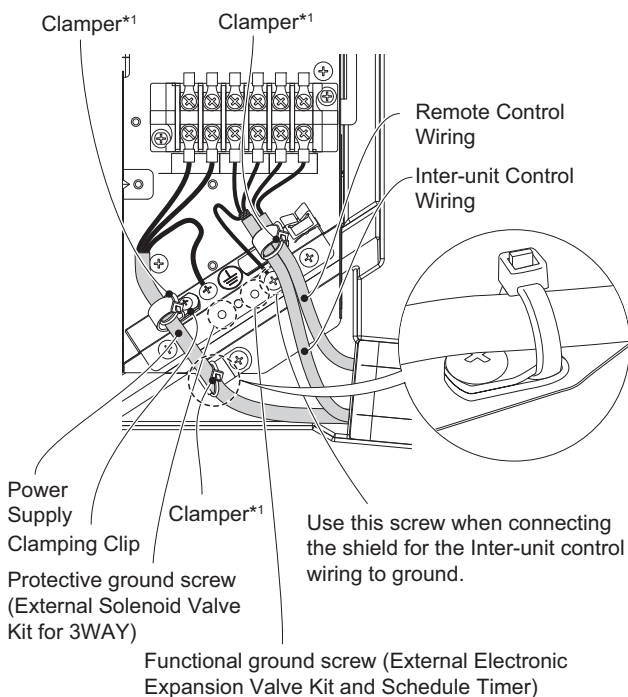


Fig. 1-6

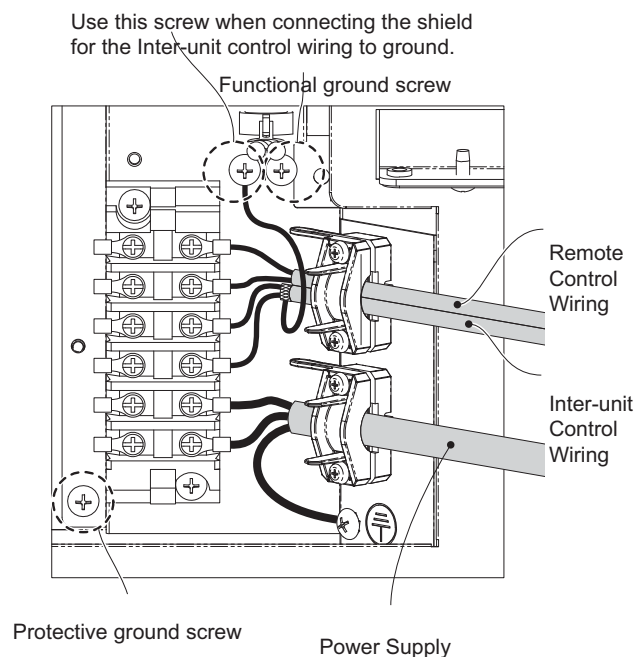
### ■ Wiring samples

#### U1 type



\*1 Fasten tightly.

#### F1 type

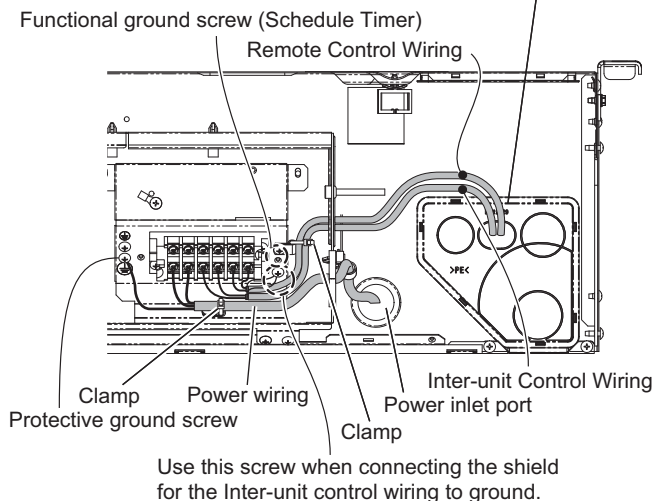


## ■ Wiring samples

### 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).

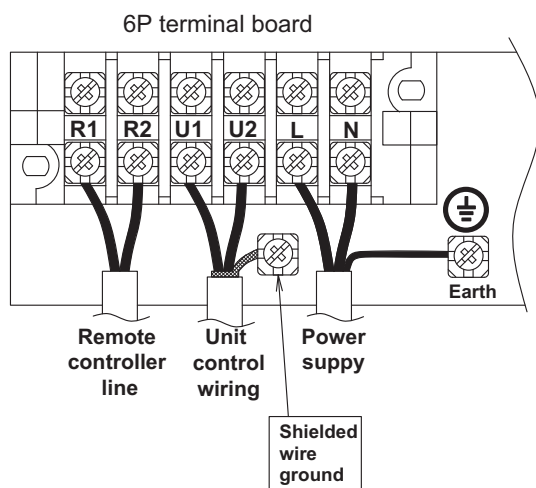
#### (2) How to carry out wiring

- 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.

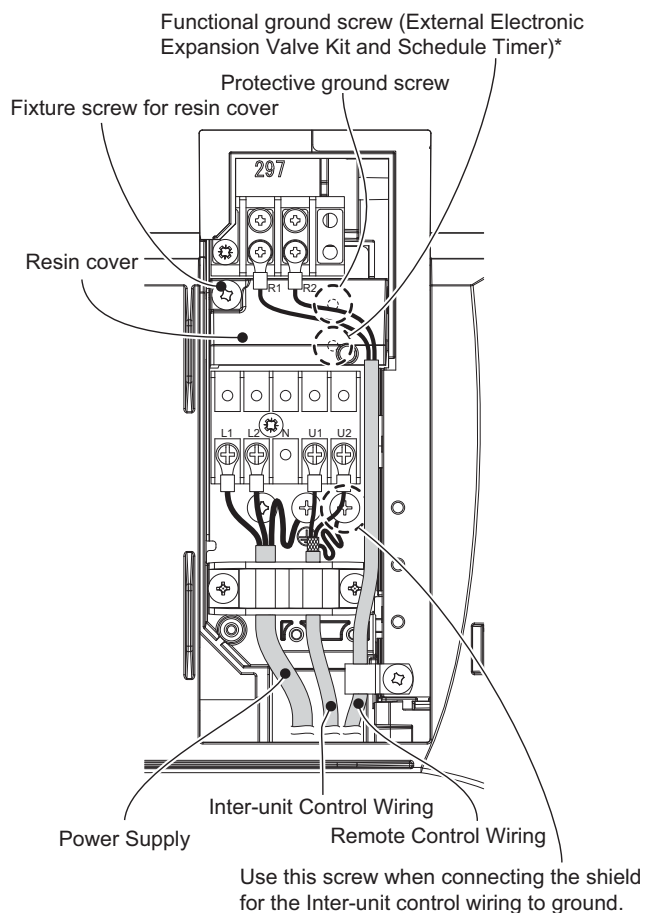
### NOTE

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

4-Way Cassette 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-50PU1E5A<br>U-50PE1E5 | 220V<br>230V<br>240V<br>50Hz<br>1 phase | 23                 | 16 | 5.9                              | 4.3 | 1.61 | 5.6  | 4.2 | 1.74 | 5.2  | 4.0 | 1.92 | 5.0  | 3.9 | 2.13 | 3.9  | 3.4 | 1.40 |
|                         |                                         |                    | 19 | 6.4                              | 3.4 | 1.67 | 6.0  | 3.2 | 1.82 | 5.6  | 3.0 | 2.00 | 5.4  | 2.9 | 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                              | 4.9 | 1.61 | 5.6  | 4.8 | 1.74 | 5.2  | 4.6 | 1.92 | 5.0  | 4.5 | 2.13 | 3.9  | 3.9 | 1.40 |
|                         |                                         |                    | 19 | 6.4                              | 4.0 | 1.67 | 6.0  | 3.8 | 1.82 | 5.6  | 3.6 | 2.00 | 5.4  | 3.5 | 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  | 2.1 | 1.52 |
|                         |                                         | 27                 | 16 | 5.9                              | 5.5 | 1.61 | 5.6  | 5.4 | 1.74 | 5.2  | 5.2 | 1.92 | 5.0  | 5.0 | 2.13 | 3.9  | 3.9 | 1.40 |
|                         |                                         |                    | 19 | 6.4                              | 4.5 | 1.67 | 6.0  | 4.4 | 1.82 | 5.6  | 4.2 | 2.00 | 5.4  | 4.1 | 2.22 | 4.2  | 3.7 | 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  | 2.7 | 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                              | 5.2 | 1.67 | 6.0  | 5.0 | 1.82 | 5.6  | 4.8 | 2.00 | 5.4  | 4.7 | 2.22 | 4.2  | 4.2 | 1.46 |
|                         |                                         |                    | 22 | 7.0                              | 4.2 | 1.74 | 6.5  | 4.0 | 1.89 | 6.1  | 3.8 | 2.08 | 5.9  | 3.8 | 2.31 | 4.6  | 3.3 | 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                              | 5.2 | 1.67 | 6.0  | 5.0 | 1.82 | 5.6  | 4.8 | 2.00 | 5.4  | 4.7 | 2.22 | 4.2  | 4.2 | 1.46 |
|                         |                                         |                    | 22 | 7.0                              | 4.2 | 1.74 | 6.5  | 4.0 | 1.89 | 6.1  | 3.8 | 2.08 | 5.9  | 3.8 | 2.31 | 4.6  | 3.3 | 1.52 |

# 1-13. Capacity Table

## 1. Cooling Capacity Performance Data

### • Combination of Single Unit

4-Way Cassette Type

TC :Cooling Capacity

SHC :Sensible Heat Capacity

IPT :Cooling Power Consumption

unit : kW

|                                             |                                                      |    | Ambient Return Air |      | Outdoor air intake temp(°C D.B.) |      |      |      |      |      |      |      |      |      |      |      |      |      |  |
|---------------------------------------------|------------------------------------------------------|----|--------------------|------|----------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|
| Model                                       | Power Source                                         |    |                    | 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-60PU1E5A<br>U-60PE1E5A                    | 220V<br>230V<br>240V<br>50Hz<br>1 phase              | 23 | 16                 | 7.2  | 5.9                              | 1.70 | 7.0  | 5.8  | 1.82 | 6.8  | 5.7  | 1.96 | 6.6  | 5.5  | 1.97 | 6.2  | 5.4  | 1.84 |  |
|                                             |                                                      |    | 19                 | 7.5  | 4.2                              | 1.76 | 7.3  | 4.1  | 1.88 | 7.1  | 4.0  | 2.00 | 6.8  | 4.0  | 1.99 | 6.5  | 3.9  | 1.86 |  |
|                                             |                                                      |    | 22                 | 7.9  | 2.7                              | 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  | 6.8                              | 1.70 | 7.0  | 6.6  | 1.82 | 6.8  | 6.6  | 1.96 | 6.6  | 6.5  | 1.97 | 6.2  | 6.2  | 1.84 |  |
|                                             |                                                      |    | 19                 | 7.5  | 5.2                              | 1.76 | 7.3  | 5.1  | 1.88 | 7.1  | 5.0  | 2.00 | 6.8  | 4.8  | 1.99 | 6.5  | 4.7  | 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  | 6.0                              | 1.76 | 7.3  | 6.0  | 1.88 | 7.1  | 5.9  | 2.00 | 6.8  | 5.7  | 1.99 | 6.5  | 5.7  | 1.86 |  |
|                                             |                                                      |    | 22                 | 7.9  | 4.5                              | 1.84 | 7.7  | 4.4  | 1.95 | 7.4  | 4.3  | 2.06 | 7.1  | 4.1  | 2.01 | 6.7  | 4.1  | 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  | 6.9                              | 1.76 | 7.3  | 6.8  | 1.88 | 7.1  | 6.9  | 2.00 | 6.8  | 6.7  | 1.99 | 6.5  | 6.5  | 1.86 |  |
|                                             |                                                      |    | 22                 | 7.9  | 5.4                              | 1.84 | 7.7  | 5.3  | 1.95 | 7.4  | 5.3  | 2.06 | 7.1  | 5.1  | 2.01 | 6.7  | 5.0  | 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  | 6.9                              | 1.76 | 7.3  | 6.8  | 1.88 | 7.1  | 6.9  | 2.00 | 6.8  | 6.7  | 1.99 | 6.5  | 6.5  | 1.86 |  |
|                                             |                                                      |    | 22                 | 7.9  | 5.4                              | 1.84 | 7.7  | 5.3  | 1.95 | 7.4  | 5.3  | 2.06 | 7.1  | 5.1  | 2.01 | 6.7  | 5.0  | 1.88 |  |
| S-71PU1E5A<br>U-71PE1E5A<br>(U-71PE1E8A)    | 220V<br>230V<br>240V<br>50Hz<br>1 phase<br>(3 phase) | 23 | 16                 | 8.1  | 6.2                              | 2.25 | 7.9  | 6.1  | 2.41 | 7.6  | 6.0  | 2.59 | 7.2  | 5.9  | 2.57 | 6.3  | 5.4  | 2.20 |  |
|                                             |                                                      |    | 19                 | 8.5  | 4.6                              | 2.33 | 8.3  | 4.5  | 2.49 | 8.0  | 4.4  | 2.65 | 7.5  | 4.3  | 2.60 | 6.6  | 3.9  | 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  | 7.2                              | 2.25 | 7.9  | 7.1  | 2.41 | 7.6  | 6.9  | 2.59 | 7.2  | 6.8  | 2.57 | 6.3  | 6.3  | 2.20 |  |
|                                             |                                                      |    | 19                 | 8.5  | 5.6                              | 2.33 | 8.3  | 5.5  | 2.49 | 8.0  | 5.4  | 2.65 | 7.5  | 5.1  | 2.60 | 6.6  | 4.8  | 2.23 |  |
|                                             |                                                      |    | 22                 | 9.0  | 3.9                              | 2.44 | 8.7  | 3.8  | 2.58 | 8.3  | 3.7  | 2.73 | 7.8  | 3.5  | 2.62 | 6.8  | 3.2  | 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  | 6.5                              | 2.33 | 8.3  | 6.4  | 2.49 | 8.0  | 6.2  | 2.65 | 7.5  | 6.0  | 2.60 | 6.6  | 5.7  | 2.23 |  |
|                                             |                                                      |    | 22                 | 9.0  | 4.8                              | 2.44 | 8.7  | 4.7  | 2.58 | 8.3  | 4.6  | 2.73 | 7.8  | 4.4  | 2.62 | 6.8  | 4.1  | 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  | 7.4                              | 2.33 | 8.3  | 7.3  | 2.49 | 8.0  | 7.2  | 2.65 | 7.5  | 6.9  | 2.60 | 6.6  | 6.6  | 2.23 |  |
|                                             |                                                      |    | 22                 | 9.0  | 5.7                              | 2.44 | 8.7  | 5.6  | 2.58 | 8.3  | 5.5  | 2.73 | 7.8  | 5.3  | 2.62 | 6.8  | 5.1  | 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  | 7.4                              | 2.33 | 8.3  | 7.3  | 2.49 | 8.0  | 7.2  | 2.65 | 7.5  | 6.9  | 2.60 | 6.6  | 6.6  | 2.23 |  |
|                                             |                                                      |    | 22                 | 9.0  | 5.7                              | 2.44 | 8.7  | 5.6  | 2.58 | 8.3  | 5.5  | 2.73 | 7.8  | 5.3  | 2.62 | 6.8  | 5.1  | 2.25 |  |
| S-100PU1E5A<br>U-100PE1E5A<br>(U-100PE1E8A) | 220V<br>230V<br>240V<br>50Hz<br>1 phase<br>(3 phase) | 23 | 16                 | 11.4 | 9.1                              | 3.00 | 11.4 | 9.1  | 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 | 4.4  | 3.70 | 11.9 | 4.0  | 3.85 | 8.7  | 3.0  | 3.15 |  |
|                                             |                                                      | 25 | 16                 | 11.8 | 11.0                             | 3.05 | 11.8 | 11.0 | 3.28 | 11.3 | 10.6 | 3.49 | 10.5 | 10.4 | 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 | 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 | 10.3                             | 3.24 | 13.0 | 10.3 | 3.48 | 12.5 | 10.0 | 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 | 11.7 | 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 | 11.9 | 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-125PU1E5A<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 | 7.3                              | 3.89 | 13.6 | 7.3  | 4.18 | 13.1 | 7.0  | 4.45 | 12.2 | 6.8  | 4.63 | 8.9  | 5.4  | 3.78 |  |
|                                             |                                                      |    | 22                 | 14.9 | 5.1                              | 4.03 | 14.9 | 5.0  | 4.33 | 14.3 | 4.9  | 4.60 | 13.3 | 4.5  | 4.79 | 9.7  | 3.3  | 3.91 |  |
|                                             |                                                      | 25 | 16                 | 13.2 | 11.3                             | 3.80 | 13.2 | 11.4 | 4.08 | 12.7 | 11.0 | 4.34 | 11.8 | 10.7 | 4.51 | 8.6  | 8.6  | 3.69 |  |
|                                             |                                                      |    | 19                 | 14.1 | 8.9                              | 3.96 | 14.1 | 9.0  | 4.25 | 13.5 | 8.6  | 4.52 | 12.6 | 8.4  | 4.71 | 9.2  | 6.9  | 3.85 |  |
|                                             |                                                      |    | 22                 | 15.4 | 6.8                              | 4.10 | 15.4 | 6.7  | 4.40 | 14.8 | 6.6  | 4.68 | 13.8 | 6.1  | 4.87 | 10.1 | 4.8  | 3.98 |  |
|                                             |                                                      | 27 | 16                 | 13.6 | 13.2                             | 3.86 | 13.6 | 13.2 | 4.15 | 13.1 | 12.8 | 4.41 | 12.2 | 12.2 | 4.59 | 8.9  | 8.9  | 3.75 |  |
|                                             |                                                      |    | 19                 | 14.6 | 10.7                             | 4.03 | 14.6 | 10.8 | 4.32 | 14.0 | 10.4 | 4.60 | 13.0 | 10.1 | 4.78 | 9.5  | 8.6  | 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 | 12.5 | 4.33 | 14.2 | 12.0 | 4.61 | 13.2 | 11.8 | 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 | 12.6 | 4.35 | 14.4 | 12.2 | 4.62 | 13.4 | 12.0 | 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-140PU1E5A<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 | 10.0 | 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 | 5.7                              | 5.25 | 16.5 | 5.6  | 5.64 | 15.9 | 5.4  | 6.00 | 14.8 | 5.0  | 6.25 | 10.8 | 3.7  | 5.10 |  |
|                                             |                                                      | 25 | 16                 | 14.6 | 12.1                             | 4.95 | 14.6 | 12.0 | 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 | 7.4                              | 5.34 | 17.1 | 7.3  | 5.74 | 16.4 | 7.1  | 6.11 | 15.3 | 6.8  | 6.35 | 11.2 | 5.3  | 5.19 |  |
|                                             |                                                      | 27 | 16                 | 15.1 | 13.9                             | 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 | 9.2  | 5.10 |  |
|                                             |                                                      |    | 22                 | 17.7 | 9.2                              | 5.43 | 17.7 | 9.3  | 5.83 | 17.0 | 8.9  | 6.21 | 15.8 | 8.6  | 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 | 13.2                             | 5.26 | 16.4 | 13.3 | 5.65 | 15.7 | 12.8 | 6.01 | 14.6 | 12.5 | 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 | 13.3                             | 5.28 | 16.6 | 13.4 | 5.67 | 16.0 | 13.0 | 6.03 | 14.8 | 12.7 | 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

4-Way Cassette 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-36PU1E5A×2<br>U-71PE1E5A<br>(U-71PE1E8A)   | 220V<br>230V<br>240V<br>50Hz<br>1 phase<br>(3 phase) | 23                 | 16 | 8.3                              | 7.0  | 2.30 | 8.1  | 7.1  | 2.46 | 7.8  | 6.9  | 2.64 | 7.4  | 6.7  | 2.62 | 6.5  | 6.4  | 2.24 |
|                                              |                                                      |                    | 19 | 8.7                              | 5.1  | 2.38 | 8.5  | 5.0  | 2.54 | 8.2  | 4.9  | 2.70 | 7.7  | 4.7  | 2.65 | 6.7  | 4.4  | 2.27 |
|                                              |                                                      |                    | 22 | 9.3                              | 3.1  | 2.48 | 8.9  | 3.0  | 2.63 | 8.6  | 2.9  | 2.78 | 8.0  | 2.7  | 2.67 | 7.0  | 2.5  | 2.30 |
|                                              |                                                      | 25                 | 16 | 8.3                              | 8.3  | 2.30 | 8.1  | 8.1  | 2.46 | 7.8  | 7.8  | 2.64 | 7.4  | 7.4  | 2.62 | 6.5  | 6.5  | 2.24 |
|                                              |                                                      |                    | 19 | 8.7                              | 6.3  | 2.38 | 8.5  | 6.2  | 2.54 | 8.2  | 6.1  | 2.70 | 7.7  | 5.9  | 2.65 | 6.7  | 5.5  | 2.27 |
|                                              |                                                      |                    | 22 | 9.3                              | 4.3  | 2.48 | 8.9  | 4.2  | 2.63 | 8.6  | 4.1  | 2.78 | 8.0  | 3.9  | 2.67 | 7.0  | 3.6  | 2.30 |
|                                              |                                                      | 27                 | 16 | 8.3                              | 8.3  | 2.30 | 8.1  | 8.1  | 2.46 | 7.8  | 7.8  | 2.64 | 7.4  | 7.4  | 2.62 | 6.5  | 6.5  | 2.24 |
|                                              |                                                      |                    | 19 | 8.7                              | 7.4  | 2.38 | 8.5  | 7.5  | 2.54 | 8.2  | 7.3  | 2.70 | 7.7  | 7.0  | 2.65 | 6.7  | 6.7  | 2.27 |
|                                              |                                                      |                    | 22 | 9.3                              | 5.6  | 2.48 | 8.9  | 5.3  | 2.63 | 8.6  | 5.2  | 2.78 | 8.0  | 5.1  | 2.67 | 7.0  | 4.8  | 2.30 |
|                                              |                                                      | 29                 | 16 | 8.3                              | 8.3  | 2.30 | 8.1  | 8.1  | 2.46 | 7.8  | 7.8  | 2.64 | 7.4  | 7.4  | 2.62 | 6.5  | 6.5  | 2.24 |
|                                              |                                                      |                    | 19 | 8.7                              | 8.7  | 2.38 | 8.5  | 8.5  | 2.54 | 8.2  | 8.2  | 2.70 | 7.7  | 7.7  | 2.65 | 6.7  | 6.7  | 2.27 |
|                                              |                                                      |                    | 22 | 9.3                              | 6.7  | 2.48 | 8.9  | 6.6  | 2.63 | 8.6  | 6.5  | 2.78 | 8.0  | 6.3  | 2.67 | 7.0  | 6.0  | 2.30 |
|                                              |                                                      | 32                 | 16 | 8.3                              | 8.3  | 2.30 | 8.1  | 8.1  | 2.46 | 7.8  | 7.8  | 2.64 | 7.4  | 7.4  | 2.62 | 6.5  | 6.5  | 2.24 |
|                                              |                                                      |                    | 19 | 8.7                              | 8.7  | 2.38 | 8.5  | 8.5  | 2.54 | 8.2  | 8.2  | 2.70 | 7.7  | 7.7  | 2.65 | 6.7  | 6.7  | 2.27 |
|                                              |                                                      |                    | 22 | 9.3                              | 6.7  | 2.48 | 8.9  | 6.6  | 2.63 | 8.6  | 6.5  | 2.78 | 8.0  | 6.3  | 2.67 | 7.0  | 6.0  | 2.30 |
| S-36PU1E5A×3<br>U-100PE1E5A<br>(U-100PE1E8A) | 220V<br>230V<br>240V<br>50Hz<br>1 phase<br>(3 phase) | 23                 | 16 | 11.4                             | 10.2 | 3.00 | 11.4 | 10.2 | 3.23 | 10.9 | 9.9  | 3.43 | 10.2 | 9.8  | 3.57 | 7.4  | 7.4  | 2.92 |
|                                              |                                                      |                    | 19 | 12.1                             | 7.4  | 3.13 | 12.1 | 7.4  | 3.36 | 11.7 | 7.1  | 3.58 | 10.9 | 6.9  | 3.72 | 7.9  | 5.7  | 3.04 |
|                                              |                                                      |                    | 22 | 13.3                             | 4.5  | 3.24 | 13.3 | 4.5  | 3.48 | 12.8 | 4.4  | 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                             | 9.5  | 3.18 | 12.6 | 9.5  | 3.42 | 12.1 | 9.2  | 3.64 | 11.2 | 9.1  | 3.79 | 8.2  | 7.7  | 3.09 |
|                                              |                                                      |                    | 22 | 13.8                             | 6.6  | 3.29 | 13.8 | 6.6  | 3.54 | 13.2 | 6.4  | 3.77 | 12.3 | 6.2  | 3.92 | 9.0  | 4.9  | 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                             | 11.9 | 3.24 | 13.0 | 11.9 | 3.48 | 12.5 | 11.5 | 3.70 | 11.6 | 11.3 | 3.85 | 8.5  | 8.5  | 3.15 |
|                                              |                                                      |                    | 22 | 14.2                             | 8.9  | 3.35 | 14.2 | 8.9  | 3.60 | 13.7 | 8.6  | 3.83 | 12.7 | 8.4  | 3.98 | 9.3  | 7.1  | 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                             | 11.1 | 3.36 | 14.5 | 11.1 | 3.61 | 13.9 | 10.7 | 3.84 | 12.9 | 10.6 | 3.99 | 9.5  | 9.1  | 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                             | 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                             | 11.3 | 3.37 | 14.7 | 11.3 | 3.62 | 14.1 | 10.9 | 3.85 | 13.1 | 10.8 | 4.00 | 9.6  | 9.2  | 3.27 |
| S-50PU1E5A×2<br>U-100PE1E5A<br>(U-100PE1E8A) | 220V<br>230V<br>240V<br>50Hz<br>1 phase<br>(3 phase) | 23                 | 16 | 11.4                             | 9.1  | 3.00 | 11.4 | 9.1  | 3.23 | 10.9 | 8.7  | 3.43 | 10.2 | 8.5  | 3.57 | 7.4  | 7.3  | 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 | 4.4  | 3.70 | 11.9 | 4.0  | 3.85 | 8.7  | 3.0  | 3.15 |
|                                              |                                                      | 25                 | 16 | 11.8                             | 10.7 | 3.05 | 11.8 | 10.7 | 3.28 | 11.3 | 10.4 | 3.49 | 10.5 | 10.3 | 3.63 | 7.7  | 7.7  | 2.97 |
|                                              |                                                      |                    | 19 | 12.6                             | 8.4  | 3.18 | 12.6 | 8.4  | 3.42 | 12.1 | 8.2  | 3.64 | 11.2 | 8.0  | 3.79 | 8.2  | 6.6  | 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                             | 10.2 | 3.24 | 13.0 | 10.2 | 3.48 | 12.5 | 9.9  | 3.70 | 11.6 | 9.7  | 3.85 | 8.5  | 8.4  | 3.15 |
|                                              |                                                      |                    | 22 | 14.2                             | 8.0  | 3.35 | 14.2 | 8.0  | 3.60 | 13.7 | 7.7  | 3.83 | 12.7 | 7.4  | 3.98 | 9.3  | 6.1  | 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                             | 11.9 | 3.25 | 13.2 | 11.9 | 3.49 | 12.7 | 11.6 | 3.71 | 11.8 | 11.4 | 3.86 | 8.6  | 8.6  | 3.15 |
|                                              |                                                      |                    | 22 | 14.5                             | 9.6  | 3.36 | 14.5 | 9.6  | 3.61 | 13.9 | 9.4  | 3.84 | 12.9 | 9.1  | 3.99 | 9.5  | 7.7  | 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                             | 12.1 | 3.25 | 13.4 | 12.1 | 3.50 | 12.9 | 11.7 | 3.72 | 12.0 | 11.6 | 3.87 | 8.8  | 8.8  | 3.16 |
|                                              |                                                      |                    | 22 | 14.7                             | 9.8  | 3.37 | 14.7 | 9.8  | 3.62 | 14.1 | 9.5  | 3.85 | 13.1 | 9.2  | 4.00 | 9.6  | 7.8  | 3.27 |
| S-36PU1E5A×4<br>U-125PE1E5A<br>(U-125PE1E8A) | 220V<br>230V<br>240V<br>50Hz<br>1 phase<br>(3 phase) | 23                 | 16 | 12.7                             | 11.8 | 3.73 | 12.7 | 11.9 | 4.01 | 12.2 | 11.5 | 4.27 | 11.4 | 11.4 | 4.44 | 8.3  | 8.3  | 3.63 |
|                                              |                                                      |                    | 19 | 13.6                             | 8.4  | 3.89 | 13.6 | 8.5  | 4.18 | 13.1 | 8.2  | 4.45 | 12.2 | 8.0  | 4.63 | 8.9  | 6.7  | 3.78 |
|                                              |                                                      |                    | 22 | 14.9                             | 5.1  | 4.03 | 14.9 | 5.0  | 4.33 | 14.3 | 4.9  | 4.60 | 13.3 | 4.6  | 4.79 | 9.7  | 3.4  | 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                             | 11.0 | 3.96 | 14.1 | 11.1 | 4.25 | 13.5 | 10.7 | 4.52 | 12.6 | 10.5 | 4.71 | 9.2  | 9.1  | 3.85 |
|                                              |                                                      |                    | 22 | 15.4                             | 7.6  | 4.10 | 15.4 | 7.6  | 4.40 | 14.8 | 7.3  | 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                             | 13.7 | 4.03 | 14.6 | 13.8 | 4.32 | 14.0 | 13.3 | 4.60 | 13.0 | 13.0 | 4.78 | 9.5  | 9.5  | 3.91 |
|                                              |                                                      |                    | 22 | 16.0                             | 10.3 | 4.16 | 16.0 | 10.3 | 4.47 | 15.3 | 9.9  | 4.76 | 14.3 | 9.7  | 4.95 | 10.4 | 8.2  | 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                             | 14.8 | 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                             | 12.8 | 4.17 | 16.2 | 12.9 | 4.48 | 15.6 | 12.5 | 4.77 | 14.5 | 12.4 | 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                             | 13.0 | 4.18 | 16.4 | 13.1 | 4.50 | 15.8 | 12.7 | 4.78 | 14.7 | 12.6 | 4.97 | 10.7 | 10.7 | 4.07 |
| S-45PU1E5A×3<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 | 10.6 | 4.01 | 12.2 | 10.3 | 4.27 | 11.4 | 10.0 | 4.44 | 8.3  | 8.3  | 3.63 |
|                                              |                                                      |                    | 19 | 13.6                             | 7.8  | 3.89 | 13.6 | 7.8  | 4.18 | 13.1 | 7.5  | 4.45 | 12.2 | 7.3  | 4.63 | 8.9  | 6.0  | 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  | 3.3  | 3.91 |
|                                              |                                                      | 25                 | 16 | 13.2                             | 12.8 | 3.80 | 13.2 | 12.9 | 4.08 | 12.7 | 12.5 | 4.34 | 11.8 | 11.8 | 4.51 | 8.6  | 8.6  | 3.69 |
|                                              |                                                      |                    | 19 | 14.1                             | 9.9  | 3.96 | 14.1 | 10.0 | 4.25 | 13.5 | 9.6  | 4.52 | 12.6 | 9.4  | 4.71 | 9.2  | 8.0  | 3.85 |
|                                              |                                                      |                    | 22 | 15.4                             | 7.1  | 4.10 | 15.4 | 7.1  | 4.40 | 14.8 | 6.9  | 4.68 | 13.8 | 6.6  | 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 | 12.2 | 4.32 | 14.0 | 11.8 | 4.60 | 13.0 | 11.5 | 4.78 | 9.5  | 9.5  | 3.91 |
|                                              |                                                      |                    | 22 | 16.0                             | 9.3  | 4.16 | 16.0 | 9.4  | 4.47 | 15.3 | 9.0  | 4.76 | 14.3 | 8.8  | 4.95 | 10.4 | 7.3  | 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                             | 14.2 | 4.03 | 14.8 | 14.3 | 4.33 | 14.2 | 13.9 | 4.61 | 13.2 | 13.2 | 4.80 | 9.7  | 9.7  | 3.92 |
|                                              |                                                      |                    | 22 | 16.2                             | 11.5 | 4.17 | 16.2 | 11.4 | 4.48 | 15.6 | 11.1 | 4.77 | 14.5 | 10.8 | 4.96 | 10.6 | 9.3  | 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                             | 14.4 | 4.04 | 15.0 | 14.5 | 4.35 | 14.4 | 14.1 | 4.62 | 13.4 | 13.4 | 4.81 | 9.8  | 9.8  | 3.93 |
|                                              |                                                      |                    | 22 | 16.4                             | 11.5 | 4.18 | 16.4 | 11.6 | 4.50 | 15.8 | 11.2 | 4.78 | 14.7 | 11.0 | 4.97 | 10.7 | 9.4  | 4.07 |

# 1-13. Capacity Table

## 1. Cooling Capacity Performance Data

### • Combination of Multiple Unit

4-Way Cassette 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-60PU1E5A×2<br>U-125PE1E5A<br>(U-125PE1E8A) | 220V<br>230V<br>240V<br>50Hz<br>1 phase<br>(3 phase) | 23                 | 16 | 12.7                             | 10.2 | 3.73 | 12.7 | 10.3 | 4.01 | 12.2 | 10.0 | 4.27 | 11.4 | 9.7  | 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 | 5.0  | 4.33 | 14.3 | 4.8  | 4.60 | 13.3 | 4.5  | 4.79 | 9.7  | 3.3  | 3.91 |
|                                              |                                                      | 25                 | 16 | 13.2                             | 12.3 | 3.80 | 13.2 | 12.3 | 4.08 | 12.7 | 12.0 | 4.34 | 11.8 | 11.8 | 4.51 | 8.6  | 8.6  | 3.69 |
|                                              |                                                      |                    | 19 | 14.1                             | 9.7  | 3.96 | 14.1 | 9.7  | 4.25 | 13.5 | 9.3  | 4.52 | 12.6 | 9.0  | 4.71 | 9.2  | 7.7  | 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                             | 11.7 | 4.03 | 14.6 | 11.7 | 4.32 | 14.0 | 11.4 | 4.60 | 13.0 | 11.2 | 4.78 | 9.5  | 9.5  | 3.91 |
|                                              |                                                      |                    | 22 | 16.0                             | 9.1  | 4.16 | 16.0 | 9.1  | 4.47 | 15.3 | 8.8  | 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                             | 13.6 | 4.03 | 14.8 | 13.8 | 4.33 | 14.2 | 13.3 | 4.61 | 13.2 | 13.1 | 4.80 | 9.7  | 9.7  | 3.92 |
|                                              |                                                      |                    | 22 | 16.2                             | 11.0 | 4.17 | 16.2 | 11.1 | 4.48 | 15.6 | 10.7 | 4.77 | 14.5 | 10.5 | 4.96 | 10.6 | 8.9  | 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                             | 13.8 | 4.04 | 15.0 | 13.9 | 4.35 | 14.4 | 13.5 | 4.62 | 13.4 | 13.3 | 4.81 | 9.8  | 9.8  | 3.93 |
|                                              |                                                      |                    | 22 | 16.4                             | 11.1 | 4.18 | 16.4 | 11.2 | 4.50 | 15.8 | 10.9 | 4.78 | 14.7 | 10.6 | 4.97 | 10.7 | 8.9  | 4.07 |
| S-50PU1E5A×3<br>U-140PE1E5A<br>(U-140PE1E8A) | 220V<br>230V<br>240V<br>50Hz<br>1 phase<br>(3 phase) | 23                 | 16 | 14.1                             | 11.4 | 4.87 | 14.1 | 11.5 | 5.23 | 13.6 | 11.2 | 5.56 | 12.6 | 10.9 | 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 | 7.9  | 6.04 | 9.8  | 6.4  | 4.93 |
|                                              |                                                      |                    | 22 | 16.5                             | 5.6  | 5.25 | 16.5 | 5.6  | 5.64 | 15.9 | 5.4  | 6.00 | 14.8 | 5.0  | 6.25 | 10.8 | 3.7  | 5.10 |
|                                              |                                                      | 25                 | 16 | 14.6                             | 13.8 | 4.95 | 14.6 | 13.7 | 5.32 | 14.0 | 13.4 | 5.66 | 13.1 | 13.1 | 5.88 | 9.5  | 9.5  | 4.81 |
|                                              |                                                      |                    | 19 | 15.6                             | 10.7 | 5.16 | 15.6 | 10.8 | 5.55 | 15.0 | 10.4 | 5.90 | 13.9 | 10.1 | 6.14 | 10.2 | 8.6  | 5.02 |
|                                              |                                                      |                    | 22 | 17.1                             | 7.8  | 5.34 | 17.1 | 7.8  | 5.74 | 16.4 | 7.5  | 6.11 | 15.3 | 7.1  | 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                             | 13.1 | 5.25 | 16.1 | 13.2 | 5.64 | 15.5 | 12.7 | 6.00 | 14.4 | 12.6 | 6.24 | 10.5 | 10.5 | 5.10 |
|                                              |                                                      |                    | 22 | 17.7                             | 10.1 | 5.43 | 17.7 | 10.1 | 5.83 | 17.0 | 9.8  | 6.21 | 15.8 | 9.5  | 6.46 | 11.5 | 7.8  | 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                             | 15.4 | 5.26 | 16.4 | 15.4 | 5.65 | 15.7 | 14.9 | 6.01 | 14.6 | 14.6 | 6.26 | 10.7 | 10.7 | 5.11 |
|                                              |                                                      |                    | 22 | 17.9                             | 12.3 | 5.44 | 17.9 | 12.4 | 5.85 | 17.2 | 11.9 | 6.22 | 16.0 | 11.7 | 6.47 | 11.7 | 10.0 | 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                             | 15.6 | 5.28 | 16.6 | 15.5 | 5.67 | 16.0 | 15.2 | 6.03 | 14.8 | 14.8 | 6.27 | 10.9 | 10.9 | 5.13 |
|                                              |                                                      |                    | 22 | 18.2                             | 12.5 | 5.46 | 18.2 | 12.6 | 5.86 | 17.5 | 12.1 | 6.24 | 16.3 | 11.9 | 6.49 | 11.9 | 10.2 | 5.30 |
| S-71PU1E5A×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 | 10.5 | 5.79 | 9.2  | 9.0  | 4.73 |
|                                              |                                                      |                    | 19 | 15.1                             | 8.3  | 5.08 | 15.1 | 8.3  | 5.46 | 14.5 | 8.1  | 5.80 | 13.5 | 7.7  | 6.04 | 9.8  | 6.2  | 4.93 |
|                                              |                                                      |                    | 22 | 16.5                             | 5.6  | 5.25 | 16.5 | 5.6  | 5.64 | 15.9 | 5.4  | 6.00 | 14.8 | 5.0  | 6.25 | 10.8 | 3.7  | 5.10 |
|                                              |                                                      | 25                 | 16 | 14.6                             | 13.1 | 4.95 | 14.6 | 13.2 | 5.32 | 14.0 | 12.9 | 5.66 | 13.1 | 12.7 | 5.88 | 9.5  | 9.5  | 4.81 |
|                                              |                                                      |                    | 19 | 15.6                             | 10.4 | 5.16 | 15.6 | 10.4 | 5.55 | 15.0 | 10.1 | 5.90 | 13.9 | 9.7  | 6.14 | 10.2 | 8.2  | 5.02 |
|                                              |                                                      |                    | 22 | 17.1                             | 7.6  | 5.34 | 17.1 | 7.7  | 5.74 | 16.4 | 7.4  | 6.11 | 15.3 | 7.0  | 6.35 | 11.2 | 5.6  | 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 | 12.0 | 6.24 | 10.5 | 10.3 | 5.10 |
|                                              |                                                      |                    | 22 | 17.7                             | 9.8  | 5.43 | 17.7 | 9.9  | 5.83 | 17.0 | 9.5  | 6.21 | 15.8 | 9.1  | 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                             | 14.7 | 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                             | 11.8 | 5.44 | 17.9 | 11.9 | 5.85 | 17.2 | 11.5 | 6.22 | 16.0 | 11.2 | 6.47 | 11.7 | 9.5  | 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                             | 14.9 | 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                             | 12.0 | 5.46 | 18.2 | 12.1 | 5.86 | 17.5 | 11.7 | 6.24 | 16.3 | 11.4 | 6.49 | 11.9 | 9.7  | 5.30 |

# 1-13. Capacity Table

## 1. Cooling Capacity Performance Data

### • Combination of Single Unit

4-Way Cassette 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-60PU1E5A<br>U-60PEY1E5 | 220V<br>230V<br>240V<br>50Hz<br>1 phase | 23                 | 16 | 7.1                              | 5.8 | 2.02 | 6.8  | 5.6 | 2.21 | 6.5  | 5.5 | 2.40 | 5.5  | 4.6 | 2.11 | 5.0  | 4.3 | 1.92 |
|                          |                                         |                    | 19 | 7.7                              | 4.3 | 2.10 | 7.3  | 4.1 | 2.30 | 7.0  | 4.0 | 2.50 | 5.9  | 3.5 | 2.20 | 5.4  | 3.2 | 2.00 |
|                          |                                         |                    | 22 | 8.4                              | 2.9 | 2.18 | 8.0  | 2.7 | 2.39 | 7.6  | 2.6 | 2.60 | 6.5  | 2.2 | 2.29 | 5.9  | 2.0 | 2.08 |
|                          |                                         | 25                 | 16 | 7.1                              | 6.7 | 2.02 | 6.8  | 6.5 | 2.21 | 6.5  | 6.3 | 2.40 | 5.5  | 5.4 | 2.11 | 5.0  | 5.0 | 1.92 |
|                          |                                         |                    | 19 | 7.7                              | 5.3 | 2.10 | 7.3  | 5.1 | 2.30 | 7.0  | 4.9 | 2.50 | 5.9  | 4.2 | 2.20 | 5.4  | 3.9 | 2.00 |
|                          |                                         |                    | 22 | 8.4                              | 3.8 | 2.18 | 8.0  | 3.7 | 2.39 | 7.6  | 3.6 | 2.60 | 6.5  | 3.0 | 2.29 | 5.9  | 2.8 | 2.08 |
|                          |                                         | 27                 | 16 | 7.1                              | 7.1 | 2.02 | 6.8  | 6.8 | 2.21 | 6.5  | 6.5 | 2.40 | 5.5  | 5.5 | 2.11 | 5.0  | 5.0 | 1.92 |
|                          |                                         |                    | 19 | 7.7                              | 6.1 | 2.10 | 7.3  | 6.0 | 2.30 | 7.0  | 5.8 | 2.50 | 5.9  | 5.0 | 2.20 | 5.4  | 4.6 | 2.00 |
|                          |                                         |                    | 22 | 8.4                              | 4.8 | 2.18 | 8.0  | 4.6 | 2.39 | 7.6  | 4.4 | 2.60 | 6.5  | 3.8 | 2.29 | 5.9  | 3.5 | 2.08 |
|                          |                                         | 29                 | 16 | 7.1                              | 7.1 | 2.02 | 6.8  | 6.8 | 2.21 | 6.5  | 6.5 | 2.40 | 5.5  | 5.5 | 2.11 | 5.0  | 5.0 | 1.92 |
|                          |                                         |                    | 19 | 7.7                              | 7.1 | 2.10 | 7.3  | 6.8 | 2.30 | 7.0  | 6.8 | 2.50 | 5.9  | 5.8 | 2.20 | 5.4  | 5.4 | 2.00 |
|                          |                                         |                    | 22 | 8.4                              | 5.8 | 2.18 | 8.0  | 5.5 | 2.39 | 7.6  | 5.4 | 2.60 | 6.5  | 4.7 | 2.29 | 5.9  | 4.3 | 2.08 |
|                          |                                         | 32                 | 16 | 7.1                              | 7.1 | 2.02 | 6.8  | 6.8 | 2.21 | 6.5  | 6.5 | 2.40 | 5.5  | 5.5 | 2.11 | 5.0  | 5.0 | 1.92 |
|                          |                                         |                    | 19 | 7.7                              | 7.1 | 2.10 | 7.3  | 6.8 | 2.30 | 7.0  | 6.8 | 2.50 | 5.9  | 5.8 | 2.20 | 5.4  | 5.4 | 2.00 |
|                          |                                         |                    | 22 | 8.4                              | 5.8 | 2.18 | 8.0  | 5.5 | 2.39 | 7.6  | 5.4 | 2.60 | 6.5  | 4.7 | 2.29 | 5.9  | 4.3 | 2.08 |
| S-71PU1E5A<br>U-71PEY1E5 | 220V<br>230V<br>240V<br>50Hz<br>1 phase | 23                 | 16 | 7.9                              | 6.0 | 2.26 | 7.5  | 5.8 | 2.47 | 7.2  | 5.7 | 2.69 | 6.1  | 5.0 | 2.36 | 5.5  | 4.6 | 2.15 |
|                          |                                         |                    | 19 | 8.5                              | 4.6 | 2.35 | 8.1  | 4.4 | 2.58 | 7.7  | 4.2 | 2.80 | 6.5  | 3.7 | 2.46 | 5.9  | 3.4 | 2.24 |
|                          |                                         |                    | 22 | 9.2                              | 3.1 | 2.45 | 8.8  | 3.0 | 2.68 | 8.4  | 2.8 | 2.91 | 7.1  | 2.4 | 2.56 | 6.4  | 2.1 | 2.33 |
|                          |                                         | 25                 | 16 | 7.9                              | 7.0 | 2.26 | 7.5  | 6.8 | 2.47 | 7.2  | 6.6 | 2.69 | 6.1  | 5.7 | 2.36 | 5.5  | 5.3 | 2.15 |
|                          |                                         |                    | 19 | 8.5                              | 5.6 | 2.35 | 8.1  | 5.3 | 2.58 | 7.7  | 5.2 | 2.80 | 6.5  | 4.5 | 2.46 | 5.9  | 4.2 | 2.24 |
|                          |                                         |                    | 22 | 9.2                              | 4.0 | 2.45 | 8.8  | 3.9 | 2.68 | 8.4  | 3.7 | 2.91 | 7.1  | 3.2 | 2.56 | 6.4  | 2.9 | 2.33 |
|                          |                                         | 27                 | 16 | 7.9                              | 7.9 | 2.26 | 7.5  | 7.5 | 2.47 | 7.2  | 7.2 | 2.69 | 6.1  | 6.1 | 2.36 | 5.5  | 5.5 | 2.15 |
|                          |                                         |                    | 19 | 8.5                              | 6.5 | 2.35 | 8.1  | 6.2 | 2.58 | 7.7  | 6.0 | 2.80 | 6.5  | 5.2 | 2.46 | 5.9  | 4.9 | 2.24 |
|                          |                                         |                    | 22 | 9.2                              | 4.9 | 2.45 | 8.8  | 4.8 | 2.68 | 8.4  | 4.7 | 2.91 | 7.1  | 4.0 | 2.56 | 6.4  | 3.7 | 2.33 |
|                          |                                         | 29                 | 16 | 7.9                              | 7.9 | 2.26 | 7.5  | 7.5 | 2.47 | 7.2  | 7.2 | 2.69 | 6.1  | 6.1 | 2.36 | 5.5  | 5.5 | 2.15 |
|                          |                                         |                    | 19 | 8.5                              | 7.4 | 2.35 | 8.1  | 7.1 | 2.58 | 7.7  | 6.9 | 2.80 | 6.5  | 6.0 | 2.46 | 5.9  | 5.7 | 2.24 |
|                          |                                         |                    | 22 | 9.2                              | 5.9 | 2.45 | 8.8  | 5.7 | 2.68 | 8.4  | 5.6 | 2.91 | 7.1  | 4.8 | 2.56 | 6.4  | 4.6 | 2.33 |
|                          |                                         | 32                 | 16 | 7.9                              | 7.9 | 2.26 | 7.5  | 7.5 | 2.47 | 7.2  | 7.2 | 2.69 | 6.1  | 6.1 | 2.36 | 5.5  | 5.5 | 2.15 |
|                          |                                         |                    | 19 | 8.5                              | 7.4 | 2.35 | 8.1  | 7.1 | 2.58 | 7.7  | 6.9 | 2.80 | 6.5  | 6.0 | 2.46 | 5.9  | 5.7 | 2.24 |
|                          |                                         |                    | 22 | 9.2                              | 5.9 | 2.45 | 8.8  | 5.7 | 2.68 | 8.4  | 5.6 | 2.91 | 7.1  | 4.8 | 2.56 | 6.4  | 4.6 | 2.33 |

# 1-13. Capacity Table

## 1. Cooling Capacity Performance Data

### • Combination of Single Unit

4-Way Cassette 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-100PU1E5A<br>U-100PEY1E5<br>(U-100PEY1E8) | 220V<br>230V<br>240V<br>50Hz<br>1phase<br>(3phase) | 23                 | 16 | 11.1                             | 8.8  | 3.37 | 10.6 | 8.4  | 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 | 4.0  | 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  | 8.7  | 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 | 5.6  | 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                             | 10.1 | 3.64 | 12.1 | 9.6  | 3.92 | 11.5 | 9.2  | 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  | 9.8  | 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 | 10.0 | 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-125PU1E5A<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                             | 7.2  | 4.19 | 13.0 | 7.0  | 4.51 | 12.6 | 6.8  | 4.84 | 10.2 | 5.7  | 4.60 | 7.7  | 4.5  | 3.17 |
|                                             |                                                    |                    | 22 | 14.7                             | 5.0  | 4.33 | 14.3 | 4.8  | 4.67 | 13.8 | 4.7  | 5.00 | 11.1 | 3.7  | 4.75 | 8.4  | 2.8  | 3.28 |
|                                             |                                                    | 25                 | 16 | 13.0                             | 11.1 | 4.08 | 12.6 | 10.8 | 4.40 | 12.2 | 10.6 | 4.72 | 9.9  | 9.0  | 4.48 | 7.4  | 7.1  | 3.09 |
|                                             |                                                    |                    | 19 | 13.8                             | 8.7  | 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                             | 6.7  | 4.41 | 14.8 | 6.5  | 4.75 | 14.3 | 6.3  | 5.09 | 11.5 | 5.1  | 4.84 | 8.7  | 4.0  | 3.33 |
|                                             |                                                    | 27                 | 16 | 13.4                             | 13.0 | 4.15 | 13.0 | 12.6 | 4.47 | 12.6 | 12.3 | 4.79 | 10.2 | 10.2 | 4.55 | 7.7  | 7.7  | 3.14 |
|                                             |                                                    |                    | 19 | 14.3                             | 10.5 | 4.33 | 13.9 | 10.3 | 4.66 | 13.5 | 10.0 | 5.00 | 10.9 | 8.5  | 4.75 | 8.2  | 6.9  | 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 | 11.9 | 4.68 | 13.7 | 11.6 | 5.01 | 11.1 | 9.9  | 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 | 12.0 | 4.69 | 13.9 | 11.8 | 5.02 | 11.2 | 10.0 | 4.77 | 8.5  | 8.0  | 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-140PU1E5A<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 | 10.0 | 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                             | 5.7  | 5.25 | 16.5 | 5.6  | 5.64 | 15.9 | 5.4  | 6.00 | 14.8 | 5.0  | 6.25 | 10.8 | 3.7  | 5.10 |
|                                             |                                                    | 25                 | 16 | 14.6                             | 12.1 | 4.95 | 14.6 | 12.0 | 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                             | 7.4  | 5.34 | 17.1 | 7.3  | 5.74 | 16.4 | 7.1  | 6.11 | 15.3 | 6.8  | 6.35 | 11.2 | 5.1  | 5.19 |
|                                             |                                                    | 27                 | 16 | 15.1                             | 13.9 | 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 | 9.3  | 5.83 | 17.0 | 8.9  | 6.21 | 15.8 | 8.6  | 6.46 | 11.5 | 6.6  | 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                             | 13.2 | 5.26 | 16.4 | 13.3 | 5.65 | 15.7 | 12.8 | 6.01 | 14.6 | 12.5 | 6.26 | 10.7 | 9.9  | 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                             | 13.3 | 5.28 | 16.6 | 13.4 | 5.67 | 16.0 | 13.0 | 6.03 | 14.8 | 12.7 | 6.27 | 10.9 | 10.1 | 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

4-Way Cassette 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 |      |      | 43°C |      |      |
|                                              |                                                    | DB                 | WB                               | TC   | SHC  | IPT  | TC   | SHC  | IPT  | TC   | SHC  | IPT  | TC   | SHC  | IPT  | TC   | SHC  | IPT  |
| S-36PU1E5Ax2<br>U-71PEY1E5                   | 220V<br>230V<br>240V<br>50Hz<br>1phase             | 23                 | 16                               | 7.9  | 6.7  | 2.26 | 7.5  | 6.5  | 2.47 | 7.2  | 6.3  | 2.69 | 6.1  | 5.5  | 2.36 | 5.5  | 5.2  | 2.15 |
|                                              |                                                    |                    | 19                               | 8.5  | 5.0  | 2.35 | 8.1  | 4.8  | 2.58 | 7.7  | 4.6  | 2.80 | 6.5  | 4.0  | 2.46 | 5.9  | 3.7  | 2.24 |
|                                              |                                                    |                    | 22                               | 9.2  | 3.1  | 2.45 | 8.8  | 3.0  | 2.68 | 8.4  | 2.8  | 2.91 | 7.1  | 2.4  | 2.56 | 6.4  | 2.2  | 2.33 |
|                                              |                                                    | 25                 | 16                               | 7.9  | 7.9  | 2.26 | 7.5  | 7.5  | 2.47 | 7.2  | 7.2  | 2.69 | 6.1  | 6.1  | 2.36 | 5.5  | 5.5  | 2.15 |
|                                              |                                                    |                    | 19                               | 8.5  | 6.1  | 2.35 | 8.1  | 5.9  | 2.58 | 7.7  | 5.7  | 2.80 | 6.5  | 4.9  | 2.46 | 5.9  | 4.7  | 2.24 |
|                                              |                                                    |                    | 22                               | 9.2  | 4.3  | 2.45 | 8.8  | 4.1  | 2.68 | 8.4  | 4.0  | 2.91 | 7.1  | 3.5  | 2.56 | 6.4  | 3.2  | 2.33 |
|                                              |                                                    | 27                 | 16                               | 7.9  | 7.9  | 2.26 | 7.5  | 7.5  | 2.47 | 7.2  | 7.2  | 2.69 | 6.1  | 6.1  | 2.36 | 5.5  | 5.5  | 2.15 |
|                                              |                                                    |                    | 19                               | 8.5  | 7.3  | 2.35 | 8.1  | 7.1  | 2.58 | 7.7  | 6.8  | 2.80 | 6.5  | 5.9  | 2.46 | 5.9  | 5.6  | 2.24 |
|                                              |                                                    |                    | 22                               | 9.2  | 5.5  | 2.45 | 8.8  | 5.3  | 2.68 | 8.4  | 5.1  | 2.91 | 7.1  | 4.5  | 2.56 | 6.4  | 4.2  | 2.33 |
|                                              |                                                    | 29                 | 16                               | 7.9  | 7.9  | 2.26 | 7.5  | 7.5  | 2.47 | 7.2  | 7.2  | 2.69 | 6.1  | 6.1  | 2.36 | 5.5  | 5.5  | 2.15 |
|                                              |                                                    |                    | 19                               | 8.5  | 8.5  | 2.35 | 8.1  | 8.1  | 2.58 | 7.7  | 7.7  | 2.80 | 6.5  | 6.5  | 2.46 | 5.9  | 5.9  | 2.24 |
|                                              |                                                    |                    | 22                               | 9.2  | 6.7  | 2.45 | 8.8  | 6.5  | 2.68 | 8.4  | 6.4  | 2.91 | 7.1  | 5.6  | 2.56 | 6.4  | 5.2  | 2.33 |
|                                              |                                                    | 32                 | 16                               | 7.9  | 7.9  | 2.26 | 7.5  | 7.5  | 2.47 | 7.2  | 7.2  | 2.69 | 6.1  | 6.1  | 2.36 | 5.5  | 5.5  | 2.15 |
|                                              |                                                    |                    | 19                               | 8.5  | 8.5  | 2.35 | 8.1  | 8.1  | 2.58 | 7.7  | 7.7  | 2.80 | 6.5  | 6.5  | 2.46 | 5.9  | 5.9  | 2.24 |
|                                              |                                                    |                    | 22                               | 9.2  | 6.7  | 2.45 | 8.8  | 6.5  | 2.68 | 8.4  | 6.4  | 2.91 | 7.1  | 5.6  | 2.56 | 6.4  | 5.2  | 2.33 |
| S-50PU1E5Ax2<br>U-100PEY1E5<br>(U-100PEY1E8) | 220V<br>230V<br>240V<br>50Hz<br>1phase<br>(3phase) | 23                 | 16                               | 11.1 | 8.8  | 3.37 | 10.6 | 8.4  | 3.63 | 10.1 | 8.1  | 3.90 | 8.5  | 7.1  | 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 | 4.0  | 4.20 | 10.0 | 3.4  | 3.99 | 7.2  | 2.4  | 2.75 |
|                                              |                                                    | 25                 | 16                               | 11.5 | 10.4 | 3.43 | 11.0 | 10.0 | 3.70 | 10.4 | 9.5  | 3.96 | 8.8  | 8.6  | 3.76 | 6.3  | 6.2  | 2.59 |
|                                              |                                                    |                    | 19                               | 12.3 | 8.2  | 3.58 | 11.7 | 7.8  | 3.85 | 11.1 | 7.5  | 4.13 | 9.4  | 6.7  | 3.93 | 6.8  | 5.2  | 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 | 10.0 | 3.64 | 12.1 | 9.5  | 3.92 | 11.5 | 9.1  | 4.20 | 9.8  | 8.2  | 3.99 | 7.0  | 6.4  | 2.75 |
|                                              |                                                    |                    | 22                               | 13.9 | 7.8  | 3.76 | 13.3 | 7.5  | 4.05 | 12.6 | 7.1  | 4.35 | 10.7 | 6.2  | 4.13 | 7.7  | 4.8  | 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 | 11.6 | 3.65 | 12.3 | 11.1 | 3.93 | 11.7 | 10.6 | 4.21 | 9.9  | 9.6  | 4.00 | 7.1  | 7.0  | 2.76 |
|                                              |                                                    |                    | 22                               | 14.1 | 9.4  | 3.77 | 13.5 | 9.0  | 4.06 | 12.8 | 8.7  | 4.36 | 10.9 | 7.7  | 4.14 | 7.8  | 5.9  | 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 | 11.8 | 3.65 | 12.5 | 11.3 | 3.94 | 11.8 | 10.7 | 4.22 | 10.1 | 9.8  | 4.01 | 7.2  | 7.1  | 2.76 |
|                                              |                                                    |                    | 22                               | 14.3 | 9.5  | 3.78 | 13.7 | 9.1  | 4.07 | 13.0 | 8.8  | 4.37 | 11.0 | 7.8  | 4.15 | 7.9  | 6.0  | 2.86 |
| S-60PU1E5Ax2<br>U-125PEY1E5<br>(U-125PEY1E8) | 220V<br>230V<br>240V<br>50Hz<br>1phase<br>(3phase) | 23                 | 16                               | 12.5 | 10.1 | 4.02 | 12.2 | 9.9  | 4.33 | 11.8 | 9.6  | 4.64 | 9.5  | 8.1  | 4.41 | 7.2  | 6.7  | 3.04 |
|                                              |                                                    |                    | 19                               | 13.4 | 7.5  | 4.19 | 13.0 | 7.4  | 4.51 | 12.6 | 7.2  | 4.84 | 10.2 | 6.0  | 4.60 | 7.7  | 4.8  | 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 | 12.2 | 4.08 | 12.6 | 11.8 | 4.40 | 12.2 | 11.5 | 4.72 | 9.9  | 9.9  | 4.48 | 7.4  | 7.4  | 3.09 |
|                                              |                                                    |                    | 19                               | 13.8 | 9.5  | 4.26 | 13.5 | 9.2  | 4.59 | 13.1 | 9.0  | 4.92 | 10.5 | 7.5  | 4.67 | 8.0  | 6.2  | 3.22 |
|                                              |                                                    |                    | 22                               | 15.2 | 6.9  | 4.41 | 14.8 | 6.7  | 4.75 | 14.3 | 6.5  | 5.09 | 11.5 | 5.4  | 4.84 | 8.7  | 4.2  | 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 | 11.5 | 4.33 | 13.9 | 11.2 | 4.66 | 13.5 | 11.0 | 5.00 | 10.9 | 9.4  | 4.75 | 8.2  | 7.6  | 3.27 |
|                                              |                                                    |                    | 22                               | 15.7 | 8.9  | 4.48 | 15.3 | 8.7  | 4.83 | 14.8 | 8.5  | 5.17 | 11.9 | 7.1  | 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 | 13.4 | 4.34 | 14.1 | 13.1 | 4.68 | 13.7 | 12.8 | 5.01 | 11.1 | 11.0 | 4.76 | 8.3  | 8.3  | 3.28 |
|                                              |                                                    |                    | 22                               | 15.9 | 10.8 | 4.49 | 15.5 | 10.6 | 4.84 | 15.0 | 10.3 | 5.19 | 12.1 | 8.7  | 4.93 | 9.1  | 7.1  | 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 | 13.6 | 4.35 | 14.3 | 13.3 | 4.69 | 13.9 | 13.0 | 5.02 | 11.2 | 11.1 | 4.77 | 8.5  | 8.5  | 3.29 |
|                                              |                                                    |                    | 22                               | 16.2 | 11.0 | 4.50 | 15.7 | 10.7 | 4.85 | 15.2 | 10.4 | 5.20 | 12.3 | 8.9  | 4.94 | 9.3  | 7.2  | 3.40 |
| S-71PU1E5Ax2<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 | 10.5 | 5.79 | 9.2  | 8.3  | 4.73 |
|                                              |                                                    |                    | 19                               | 15.1 | 8.3  | 5.08 | 15.1 | 8.3  | 5.46 | 14.5 | 8.1  | 5.80 | 13.5 | 7.7  | 6.04 | 9.8  | 5.9  | 4.93 |
|                                              |                                                    |                    | 22                               | 16.5 | 5.6  | 5.25 | 16.5 | 5.6  | 5.64 | 15.9 | 5.4  | 6.00 | 14.8 | 5.0  | 6.25 | 10.8 | 3.7  | 5.10 |
|                                              |                                                    | 25                 | 16                               | 14.6 | 13.1 | 4.95 | 14.6 | 13.2 | 5.32 | 14.0 | 12.9 | 5.66 | 13.1 | 12.7 | 5.88 | 9.5  | 9.3  | 4.81 |
|                                              |                                                    |                    | 19                               | 15.6 | 10.4 | 5.16 | 15.6 | 10.4 | 5.55 | 15.0 | 10.1 | 5.90 | 13.9 | 9.7  | 6.14 | 10.2 | 7.6  | 5.02 |
|                                              |                                                    |                    | 22                               | 17.1 | 7.6  | 5.34 | 17.1 | 7.7  | 5.74 | 16.4 | 7.4  | 6.11 | 15.3 | 7.0  | 6.35 | 11.2 | 5.4  | 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 | 12.0 | 6.24 | 10.5 | 9.5  | 5.10 |
|                                              |                                                    |                    | 22                               | 17.7 | 9.8  | 5.43 | 17.7 | 9.9  | 5.83 | 17.0 | 9.5  | 6.21 | 15.8 | 9.1  | 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 | 14.7 | 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 | 11.8 | 5.44 | 17.9 | 11.9 | 5.85 | 17.2 | 11.5 | 6.22 | 16.0 | 11.2 | 6.47 | 11.7 | 8.9  | 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 | 14.9 | 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 | 12.0 | 5.46 | 18.2 | 12.1 | 5.86 | 17.5 | 11.7 | 6.24 | 16.3 | 11.4 | 6.49 | 11.9 | 9.0  | 5.30 |

## 1-13. Capacity Table

### 2. Heating Capacity Performance Data

#### • Combination of Single Unit

4-Way Cassette 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-50PU1E5A<br>U-50PE1E5                     | 220V<br>230V<br>240V<br>50Hz<br>1 phase              | 16                 | 4.6                              | 1.79 | 4.9  | 1.84 | 6.7  | 2.19 | 8.3  | 2.62 | 8.8  | 2.51 |
|                                             |                                                      | 20                 | 4.4                              | 1.89 | 4.7  | 1.94 | 6.5  | 2.30 | 8.0  | 2.75 | 8.5  | 2.64 |
|                                             |                                                      | 24                 | 4.3                              | 1.94 | 4.5  | 2.00 | 6.2  | 2.37 | 7.7  | 2.84 | 8.2  | 2.72 |
| S-60PU1E5A<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-71PU1E5A<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-100PU1E5A<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-125PU1E5A<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-140PU1E5A<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 Multiple Unit

4-Way Cassette 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-36PU1E5A×2<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-36PU1E5A×3<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-50PU1E5A×2<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-36PU1E5A×4<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-45PU1E5A×3<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-60PU1E5A×2<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-50PU1E5A×3<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-71PU1E5A×2<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

4-Way Cassette 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-60PU1E5A<br>U-60PEY1E5                    | 220V<br>230V<br>240V<br>50Hz<br>1 phase              | 16                 | 5.6                              | 1.89 | 5.9  | 1.92 | 7.2  | 2.05 | 8.3  | 2.29 | 9.5  | 2.50 |
|                                             |                                                      | 20                 | 5.4                              | 1.98 | 5.7  | 2.02 | 7.0  | 2.16 | 8.1  | 2.41 | 9.2  | 2.63 |
|                                             |                                                      | 24                 | 5.2                              | 2.04 | 5.5  | 2.08 | 6.7  | 2.22 | 7.8  | 2.48 | 8.8  | 2.71 |
| S-71PU1E5A<br>U-71PEY1E5                    | 220V<br>230V<br>240V<br>50Hz<br>1 phase              | 16                 | 5.6                              | 1.95 | 6.1  | 2.04 | 8.3  | 2.38 | 9.4  | 2.59 | 10.6 | 2.80 |
|                                             |                                                      | 20                 | 5.5                              | 2.05 | 6.0  | 2.14 | 8.1  | 2.51 | 9.1  | 2.73 | 10.2 | 2.95 |
|                                             |                                                      | 24                 | 5.2                              | 2.11 | 5.7  | 2.21 | 7.8  | 2.59 | 8.7  | 2.81 | 9.8  | 3.03 |
| S-100PU1E5A<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-125PU1E5A<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-140PU1E5A<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

##### • Combination of Multiple Unit

4-Way Cassette 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-36PU1E5A×2<br>U-71PEY1E5                   | 220V<br>230V<br>240V<br>50Hz<br>1 phase              | 16                 | 5.6                              | 1.95 | 6.1  | 2.04 | 8.3  | 2.38 | 9.4  | 2.59 | 10.6 | 2.80 |
|                                              |                                                      | 20                 | 5.5                              | 2.05 | 6.0  | 2.14 | 8.1  | 2.51 | 9.1  | 2.73 | 10.2 | 2.95 |
|                                              |                                                      | 24                 | 5.2                              | 2.11 | 5.7  | 2.21 | 7.8  | 2.59 | 8.7  | 2.81 | 9.8  | 3.03 |
| S-50PU1E5A×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-60PU1E5A×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-71PU1E5A×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 |

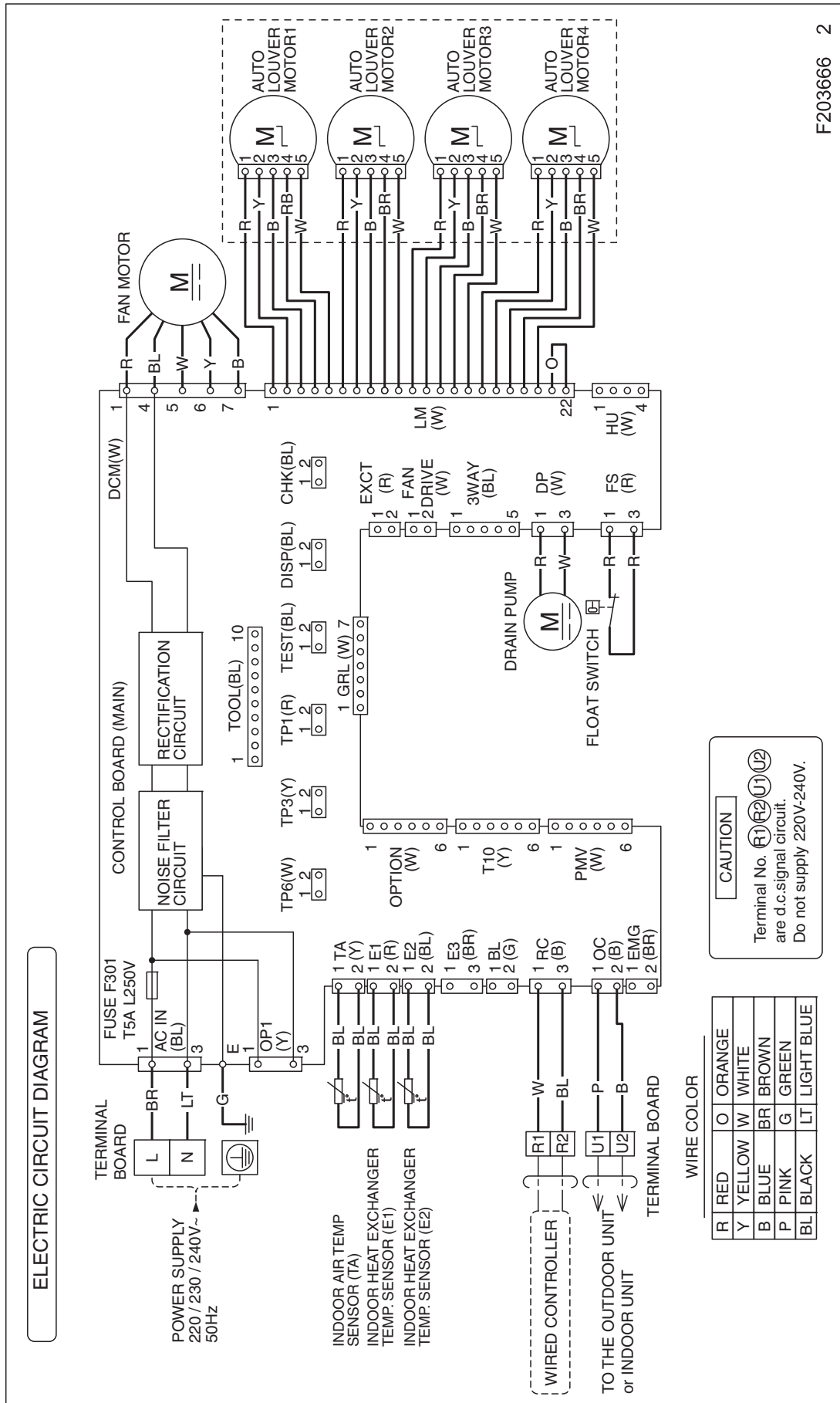
### 3. ELECTRICAL DATA

|                                                                           |             |
|---------------------------------------------------------------------------|-------------|
| <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

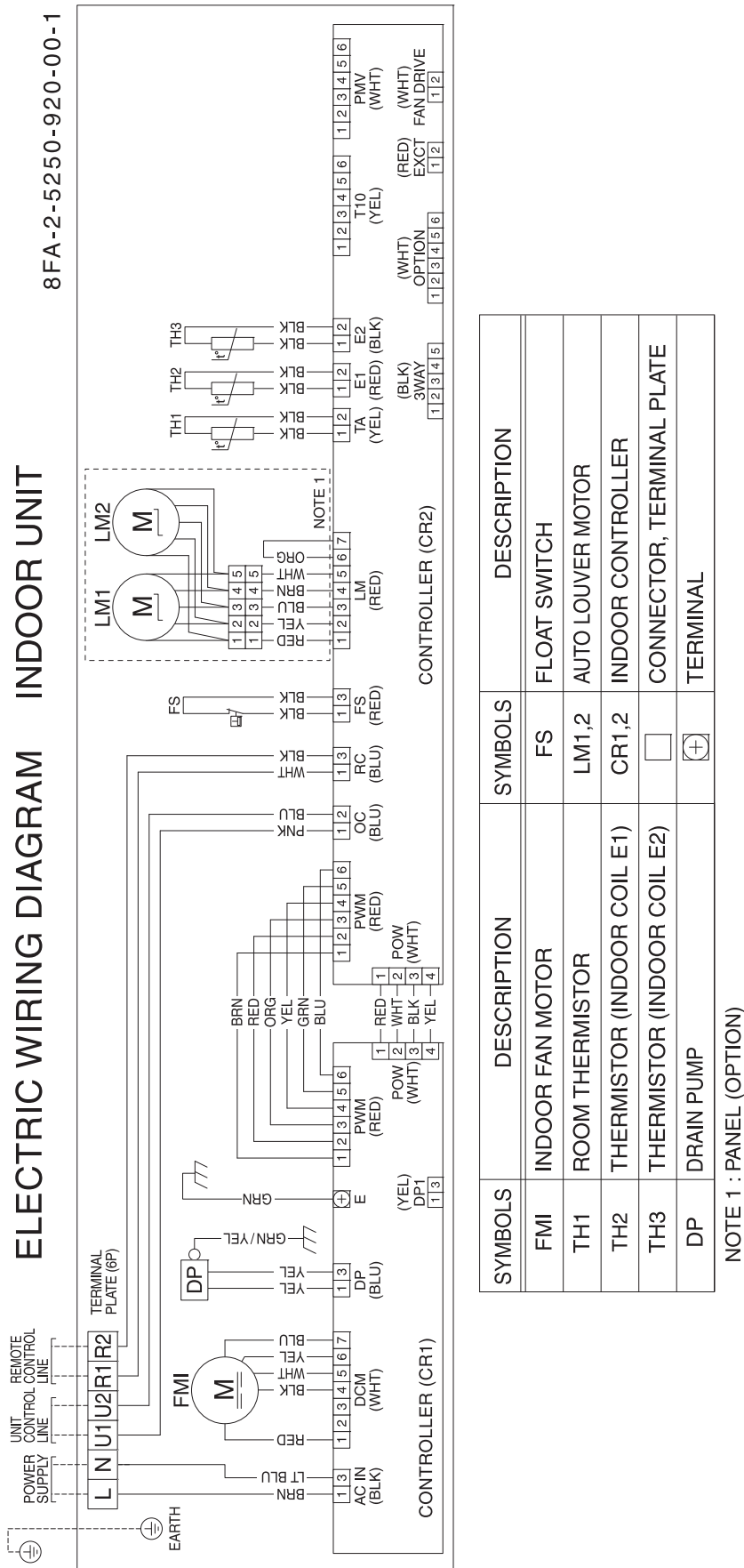
■ 4-Way Cassette Type S-36PU1E5A / S-45PU1E5A / S-50PU1E5A / S-60PU1E5A / S-71PU1E5A / S-100PU1E5A / S-125PU1E5A / S-140PU1E5A

#### Electric Wiring Diagram



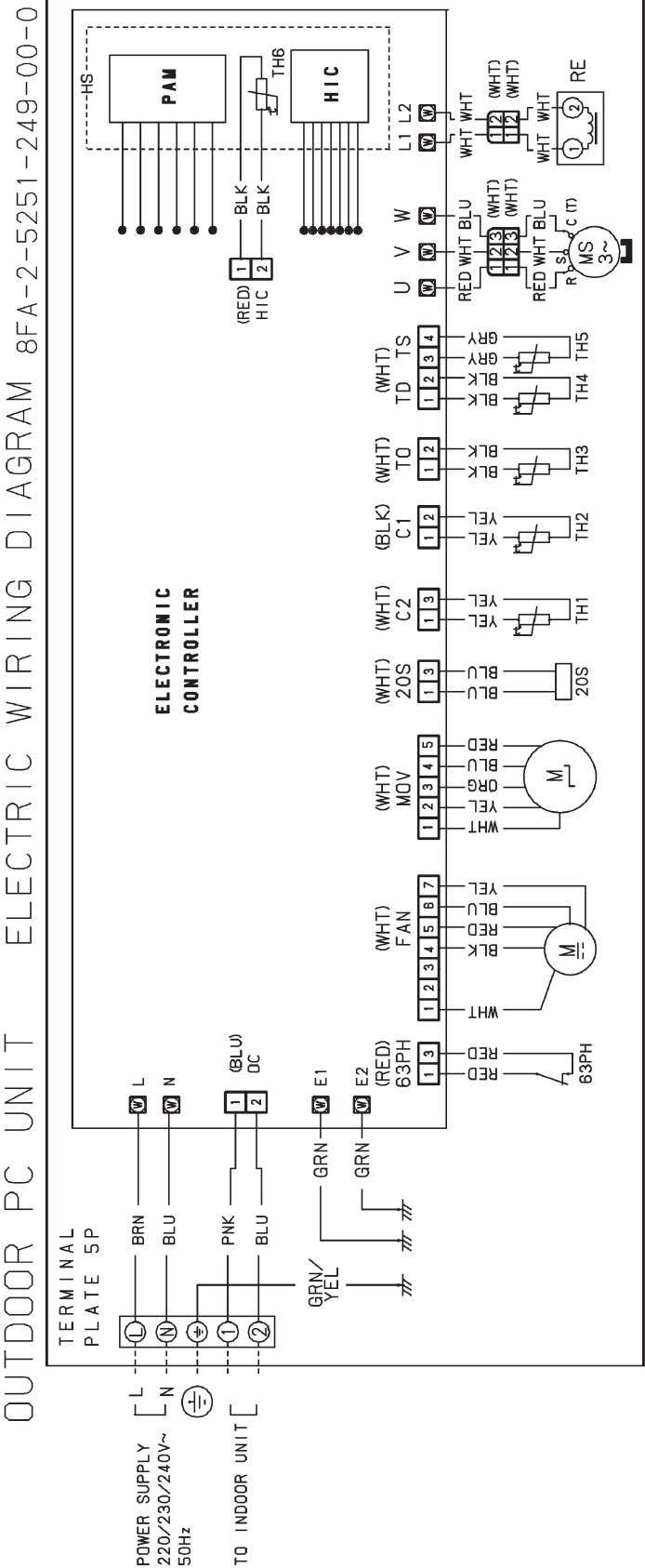
3-1. Indoor Units

■ 4-Way Cassette 60 × 60 Type S-36PY1E5 / S-45PY1E5 / S-50PY1E5  
Electric Wiring Diagram



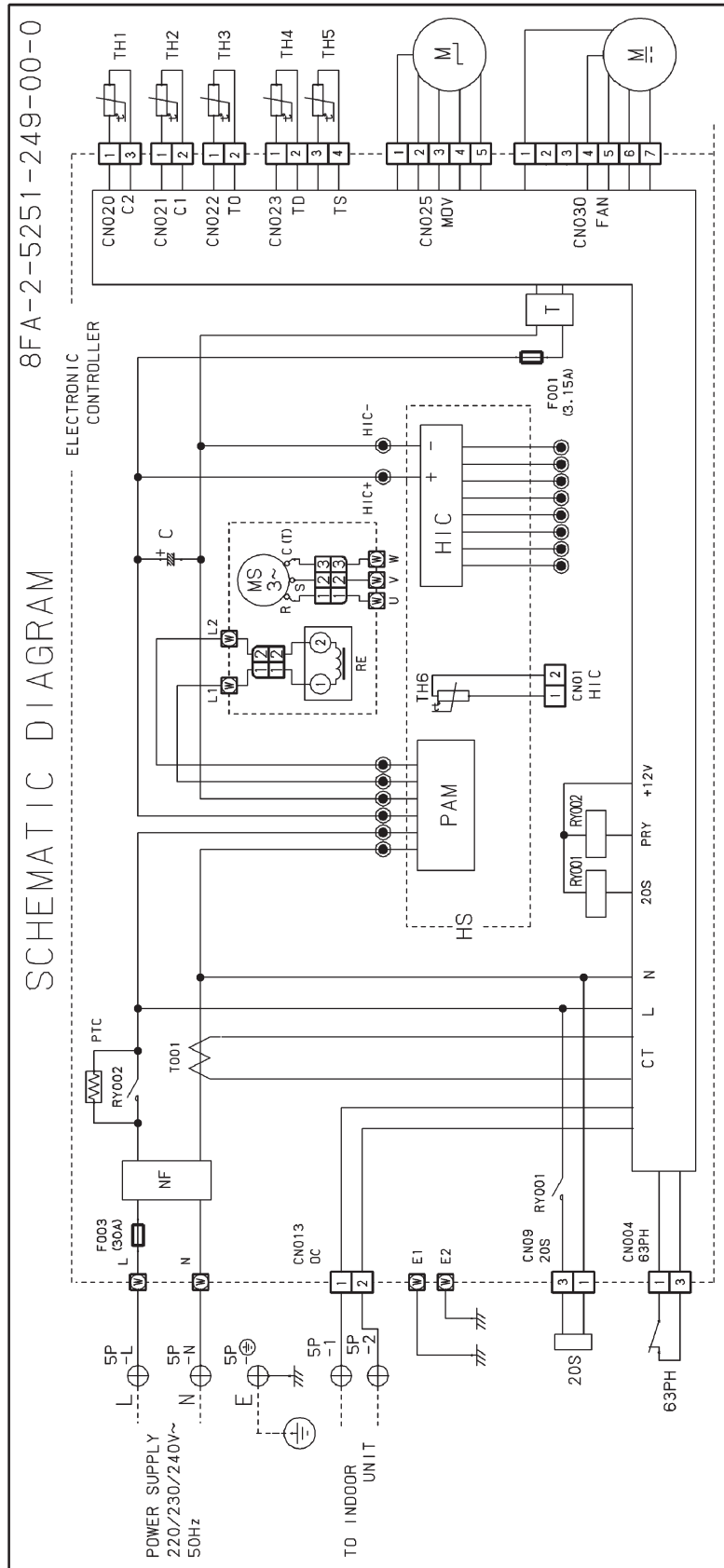
3-2. Outdoor Units

Single-phase U-50PE1E5



## 3-2. Outdoor Units

### ■ Single-phase U-50PE1E5

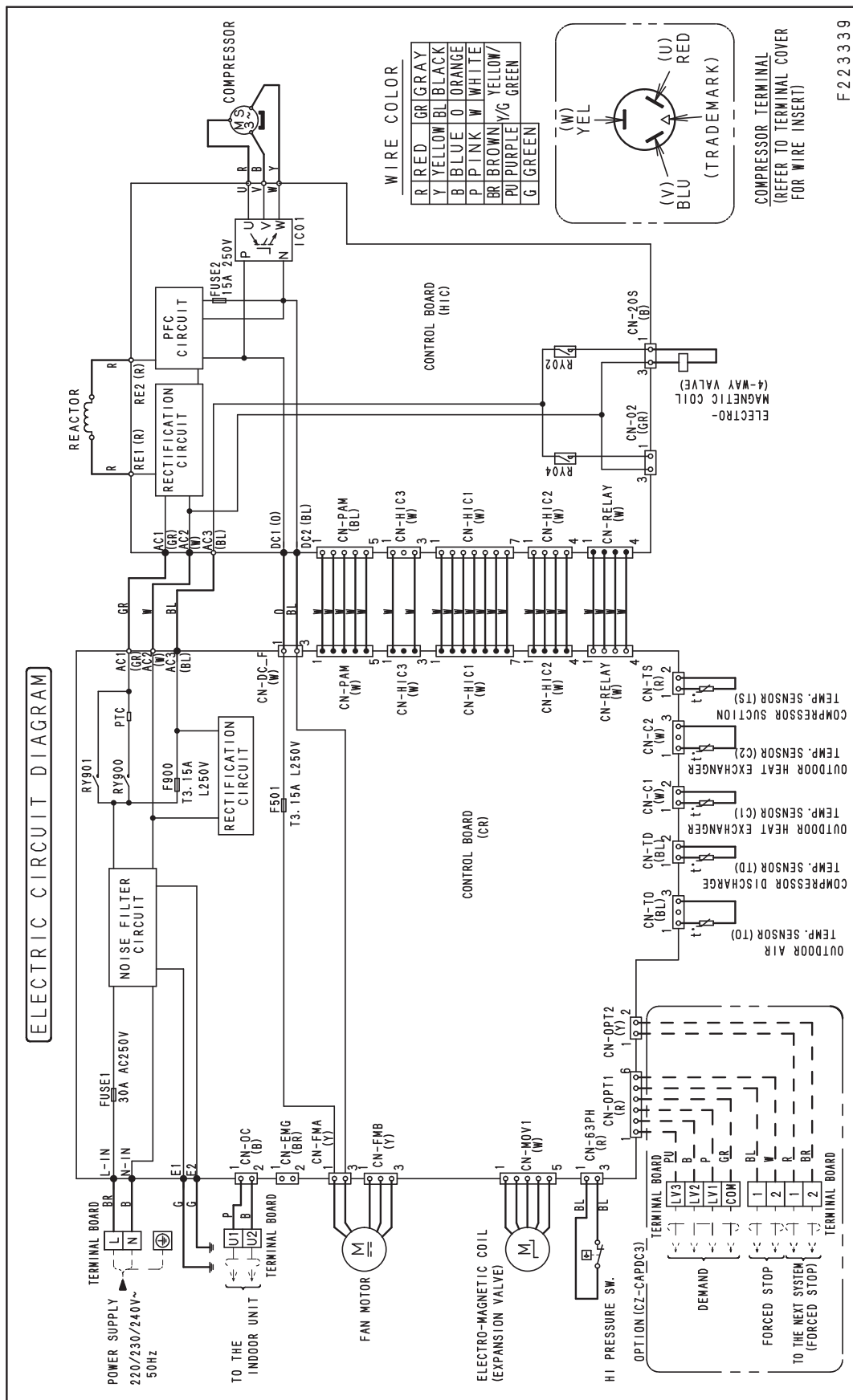


**WARNING**

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.

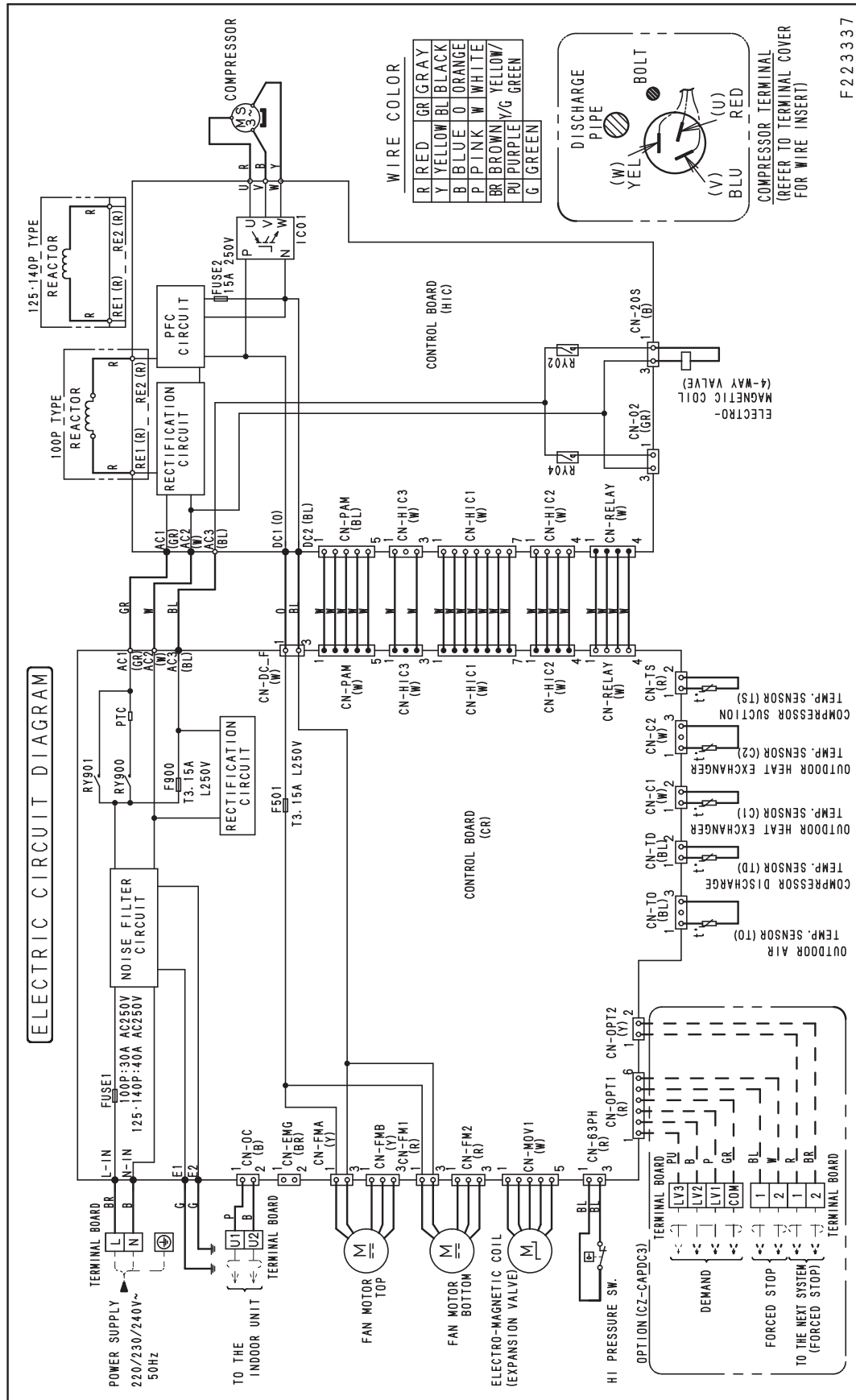
## 3-2. Outdoor Units

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



## 3-2. Outdoor Units

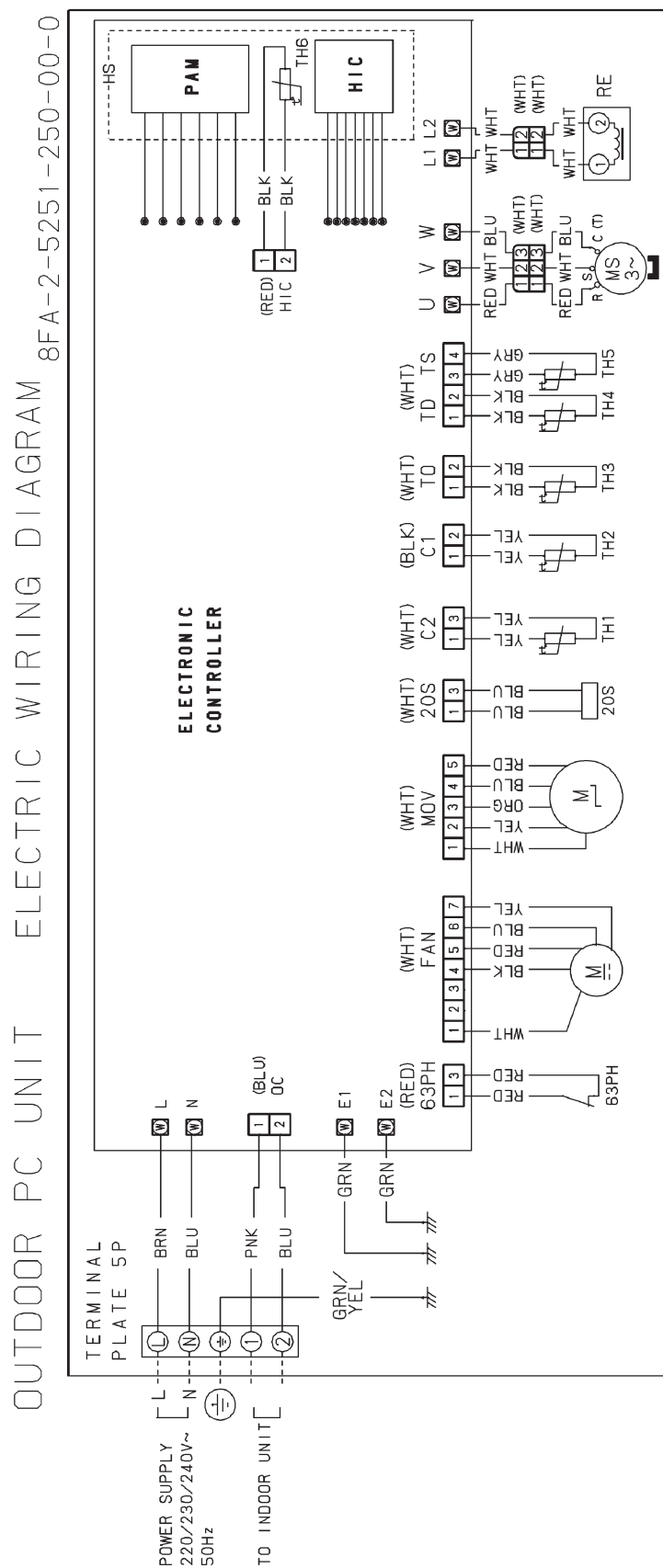
### Single-phase U-100PE1E5A / U-125PE1E5A / U-140PE1E5A



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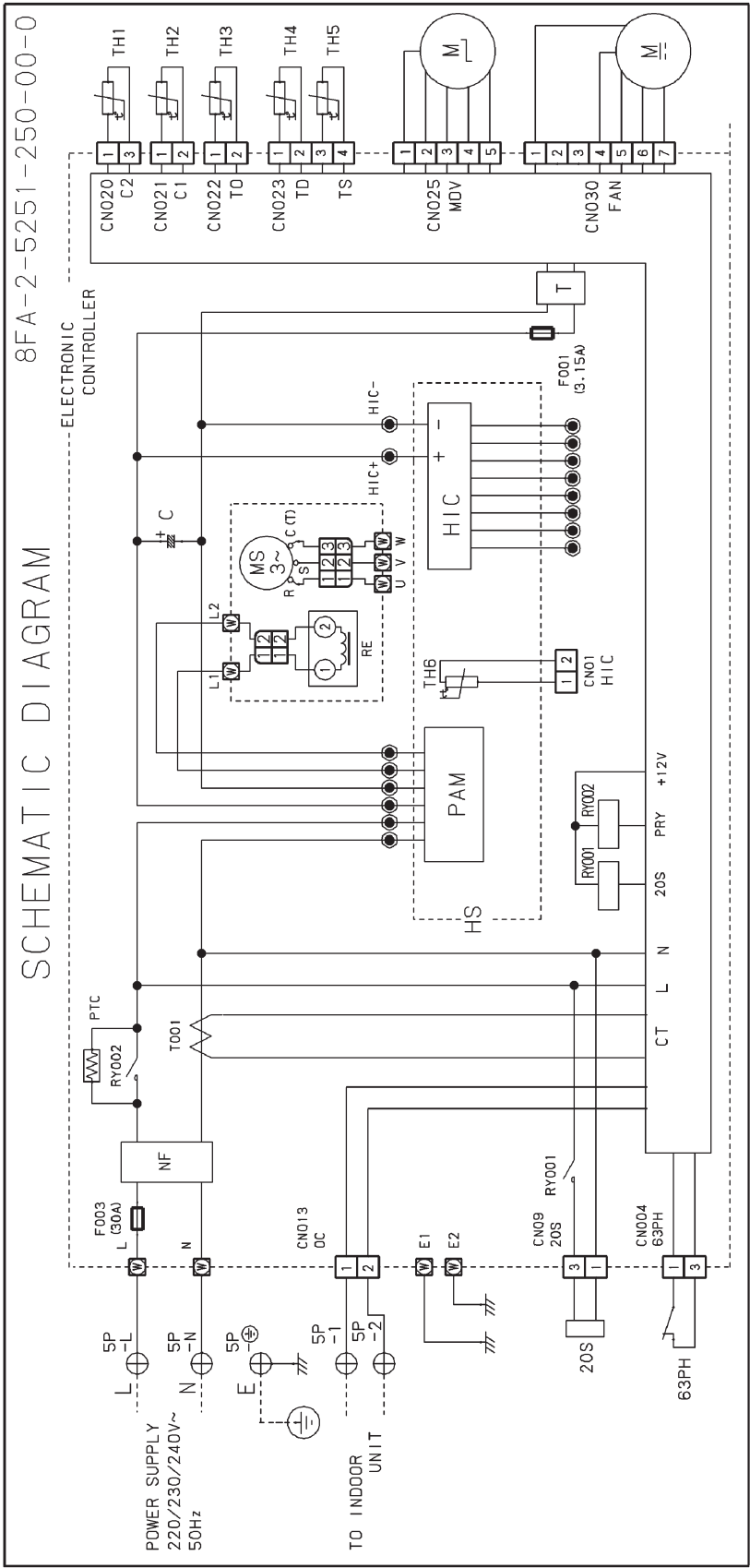
### 3-2. Outdoor Units

■ **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 | TO01      | 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 |

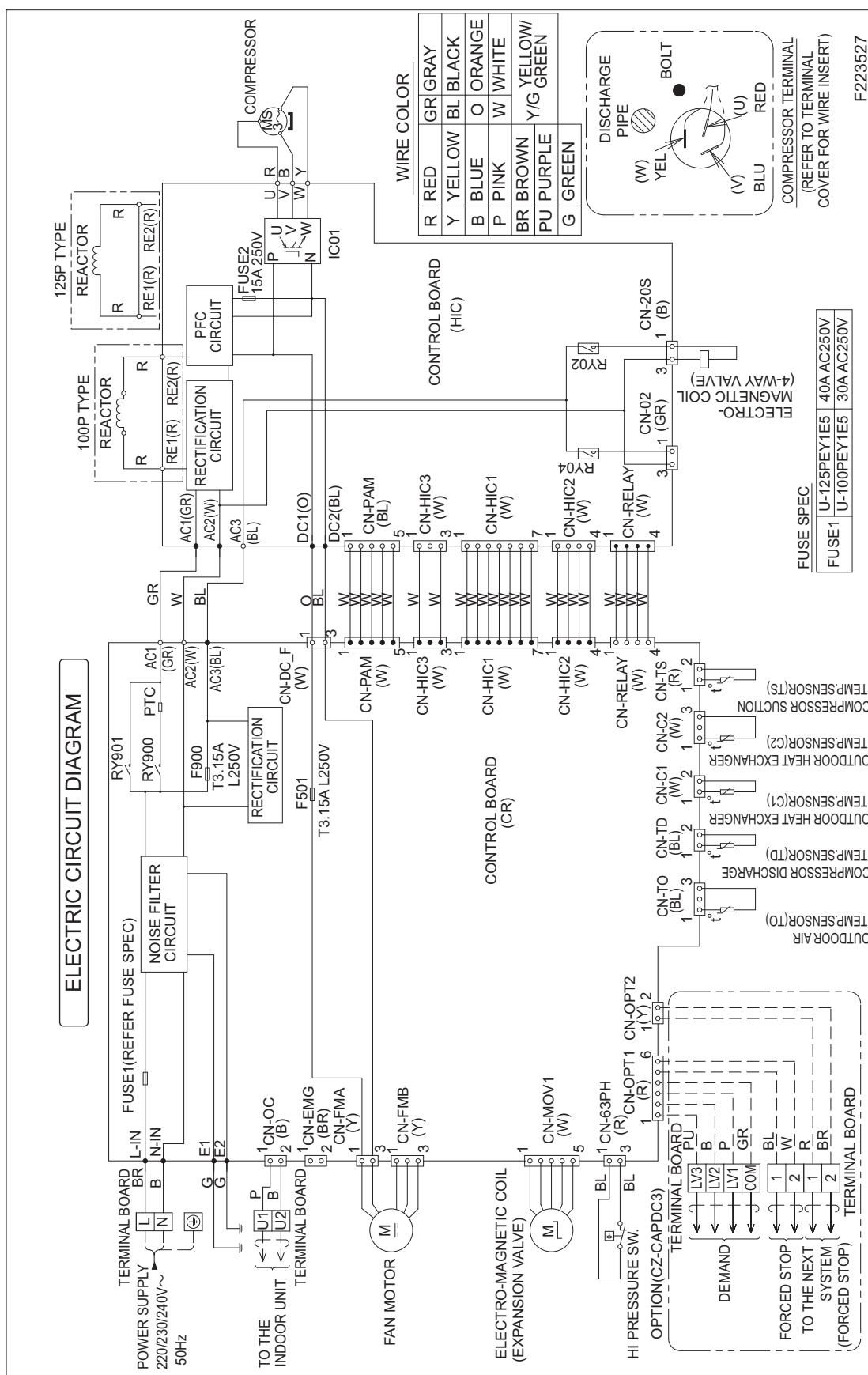


WARNING

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.

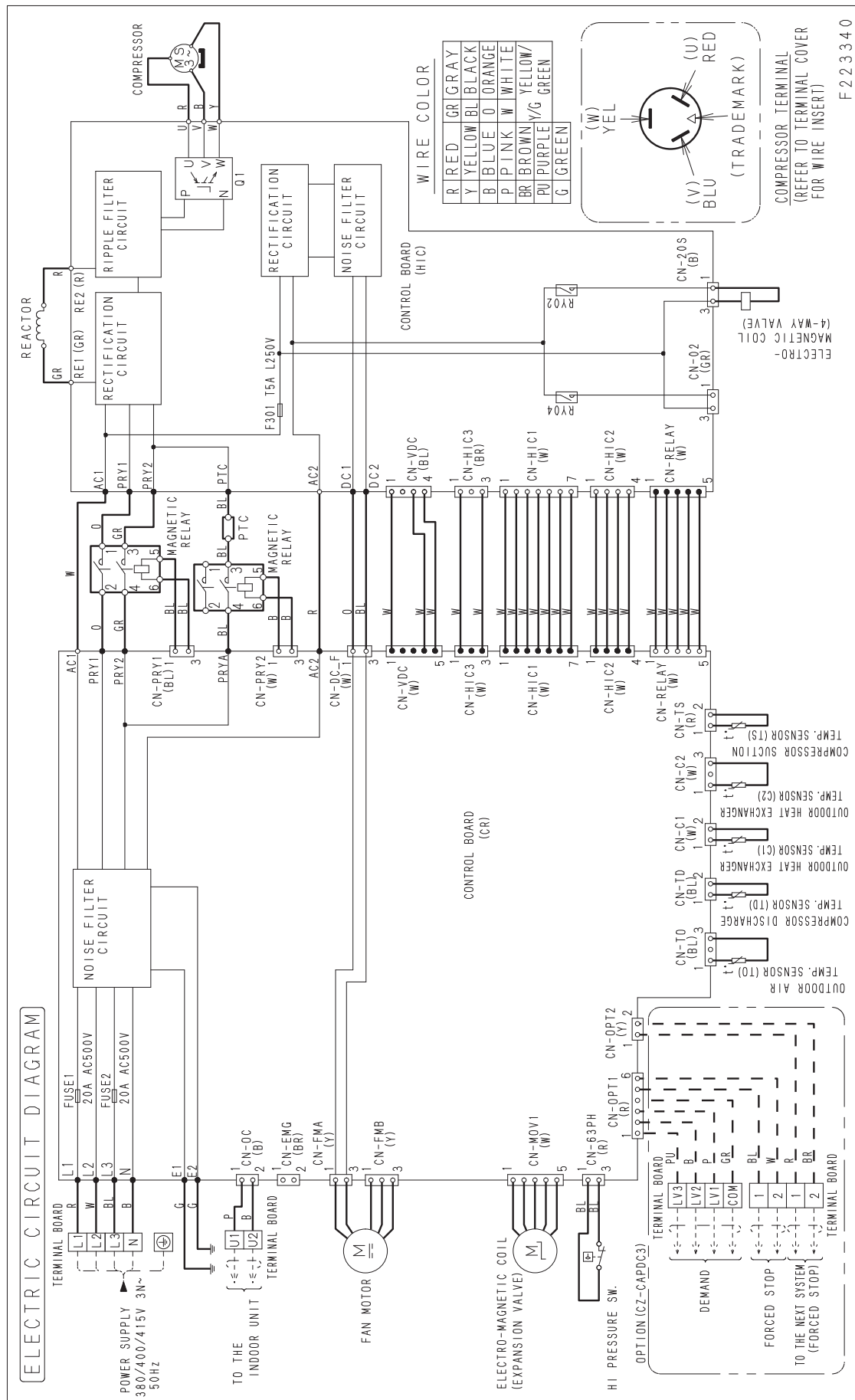
### 3-2. Outdoor Units

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



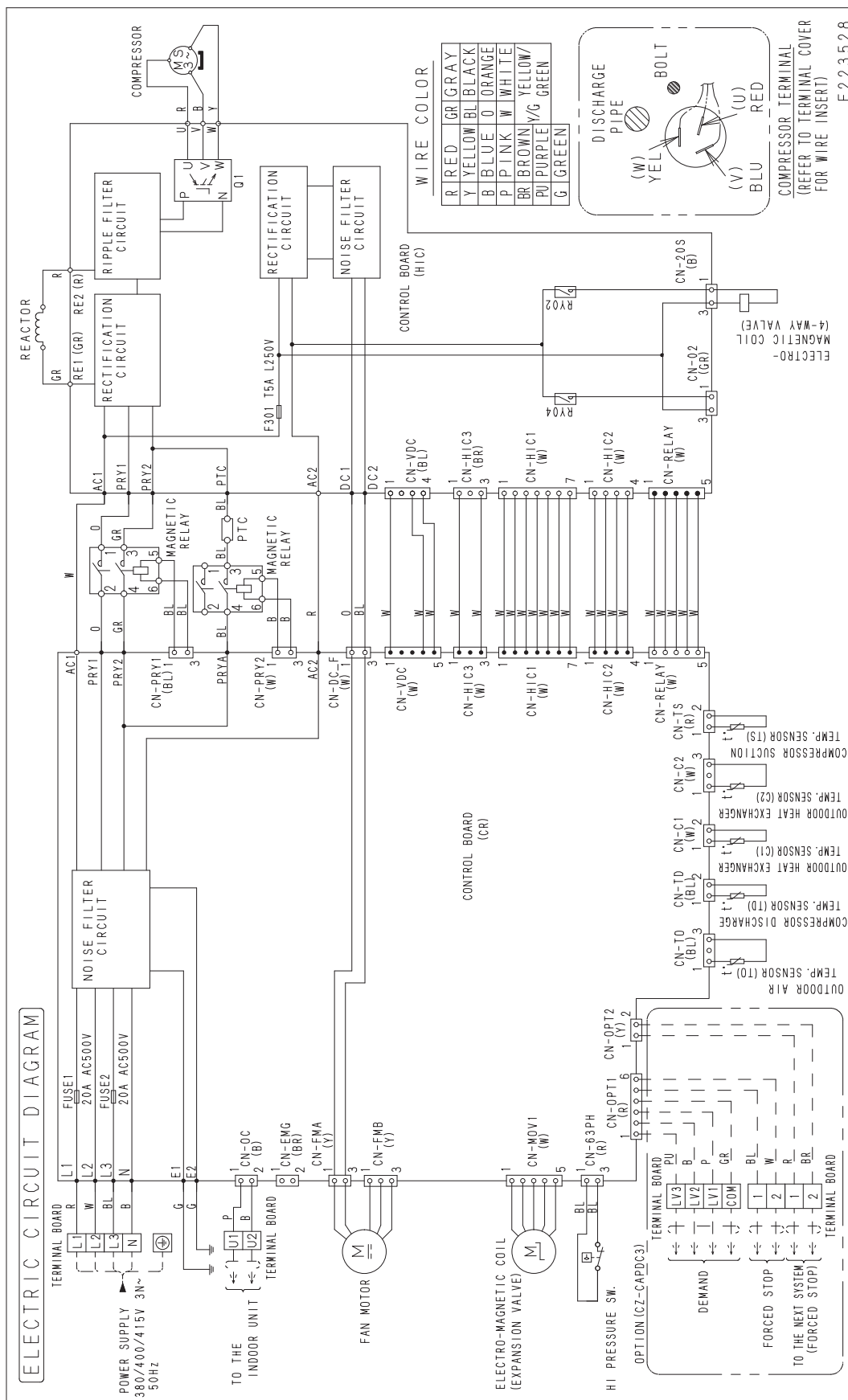
## 3-2. Outdoor Units

### ■ 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

