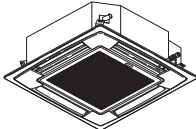
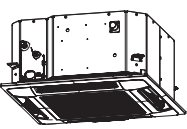
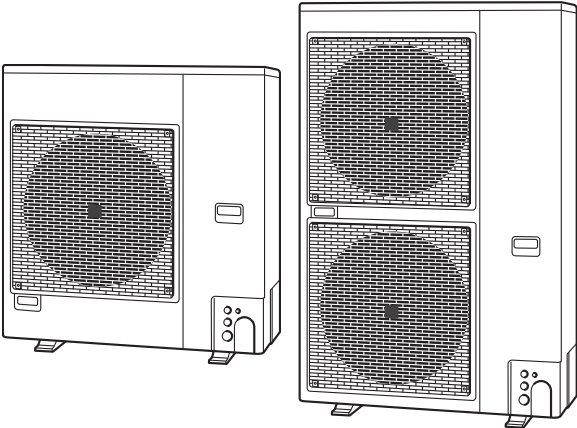
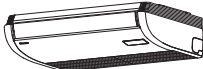
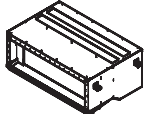


TECHNICAL DATA & SERVICE MANUAL

R410A

INVERTER

Indoor Unit	Outdoor Unit
  4-Way Cassette	
 Ceiling	
 Wall Mounted	
  Low Silhouette Ducted Ducted	

■ R410A Models

Model No.

Indoor Units

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

Outdoor Units

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

Check of Density Limit

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

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

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

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

Total amount of refrigerant (kg)

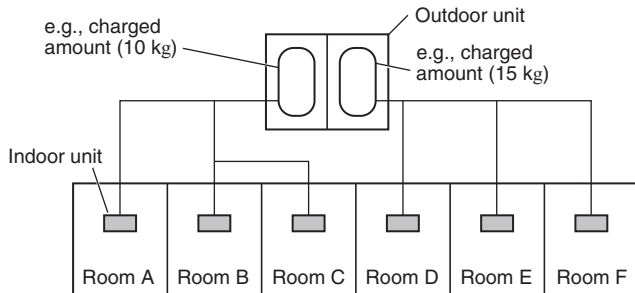
$$\text{Min. volume of the indoor unit installed room (m}^3\text{)} \leq \text{Density limit (kg/m}^3\text{)}$$

The density limit of refrigerant which is used in multi air conditioners is 0.3 kg/m³ (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.

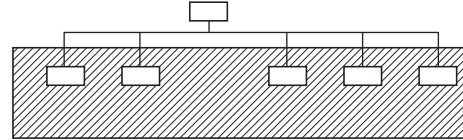


WARNING

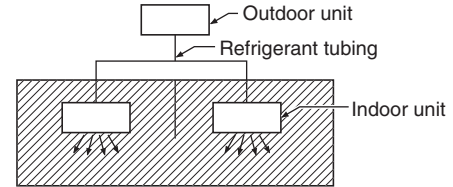
You are requested to use RoHS compliant for maintenance or repair.

- The standards for minimum room volume are as follows.

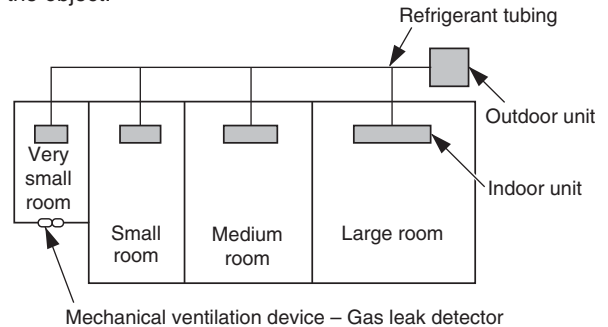
- (1) No partition (shaded portion)



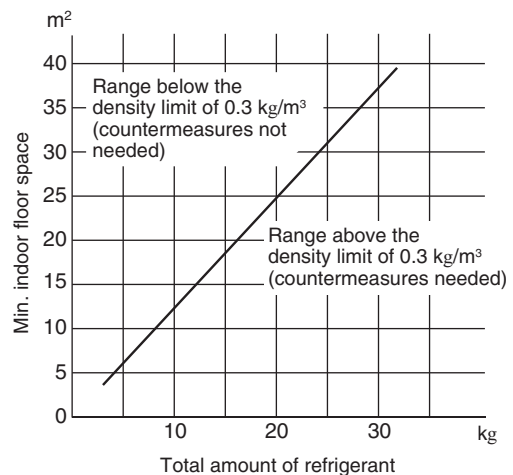
- (2) When there is an effective opening with the adjacent room for ventilation of leaking refrigerant gas (opening without a door, or an opening 0.15% or larger than the respective floor spaces at the top or bottom of the door).



- (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⁽¹⁾ value: 1975

⁽¹⁾GWP = global warming potential

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

Please fill in with indelible ink,

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

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

The diagram shows a rectangular label with a black border. At the top left is a small icon of a document. To its right is the text: "This product contains fluorinated greenhouse gases covered by the Kyoto Protocol." Below this is a large black box with "R410A" in white. To the right of "R410A" are three rows of input fields, each followed by "kg". The first row is "① = [] kg", the second is "② = [] kg", and the third is "① + ② = [] kg". To the left of these fields is a diagram of a charging manifold with two ports labeled ① and ②. Below the manifold diagram are two callout numbers, 5 and 6, pointing to the outdoor unit and the refrigerant cylinder/manifold respectively. To the right of the label, numbers 1, 2, and 3 are placed next to the first, second, and third input fields respectively. To the right of the top text, number 4 is placed. Below the label, a note states: "* 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
U1	S-36PU1E5A x2 U-71PE1E5A P2	S-45PU1E5A x3 U-125PE1E5A P5	S-50PU1E5A U-50PE1E5 P6	S-60PU1E5A U-60PE1E5A P9	S-71PU1E5A U-71PE1E5A P11	S-100PU1E5A U-100PE1E5A P13	S-125PU1E5A U-125PE1E5A P14	S-140PU1E5A U-140PE1E5A P15
	S-36PU1E5A x3 U-100PE1E5A P3		S-50PU1E5A x2 U-100PE1E5A P7	S-60PU1E5A x2 U-125PE1E5A P10	S-71PU1E5A x2 U-140PE1E5A P12			
	S-36PU1E5A x4 U-125PE1E5A P4		S-50PU1E5A x3 U-140PE1E5A P8					
T2	S-36PT2E5A x2 U-71PE1E5A P28	S-45PT2E5A x3 U-125PE1E5A P31	S-50PT2E5A U-50PE1E5 P32	S-60PT2E5A U-60PE1E5A P35	S-71PT2E5A U-71PE1E5A P37	S-100PT2E5A U-100PE1E5A P39	S-125PT2E5A U-125PE1E5A P40	S-140PT2E5A U-140PE1E5A P41
	S-36PT2E5A x3 U-100PE1E5A P29		S-50PT2E5A x2 U-100PE1E5A P33	S-60PT2E5A x2 U-125PE1E5A P36	S-71PT2E5A x2 U-140PE1E5A P38			
	S-36PT2E5A x4 U-125PE1E5A P30		S-50PT2E5A x3 U-140PE1E5A P34					
K1	S-36PK1E5A x2 U-71PE1E5A P54	S-45PK1E5A x3 U-125PE1E5A P57	S-50PK1E5A U-50PE1E5 P58	S-60PK1E5A U-60PE1E5A P61	S-71PK1E5A U-71PE1E5A P63	S-100PK1E5A U-100PE1E5A P65		
	S-36PK1E5A x3 U-100PE1E5A P55		S-50PK1E5A x2 U-100PE1E5A P59	S-60PK1E5A x2 U-125PE1E5A P62	S-71PK1E5A x2 U-140PE1E5A P64			
	S-36PK1E5A x4 U-125PE1E5A P56		S-50PK1E5A x3 U-140PE1E5A P60					
F1	S-36PF1E5A x2 U-71PE1E5A P76	S-45PF1E5A x3 U-125PE1E5A P79	S-50PF1E5A U-50PE1E5 P80	S-60PF1E5A U-60PE1E5A P83	S-71PF1E5A U-71PE1E5A P85	S-100PF1E5A U-100PE1E5A P87	S-125PF1E5A U-125PE1E5A P88	S-140PF1E5A U-140PE1E5A P89
	S-36PF1E5A x3 U-100PE1E5A P77		S-50PF1E5A x2 U-100PE1E5A P81	S-60PF1E5A x2 U-125PE1E5A P84	S-71PF1E5A x2 U-140PE1E5A P86			
	S-36PF1E5A x4 U-125PE1E5A P78		S-50PF1E5A x3 U-140PE1E5A P82					
N1	S-36PN1E5A x2 U-71PE1E5A P102	S-45PN1E5A x3 U-125PE1E5A P105	S-50PN1E5A U-50PE1E5 P106	S-60PN1E5A U-60PE1E5A P109	S-71PN1E5A U-71PE1E5A P111	S-100PN1E5A U-100PE1E5A P113	S-125PN1E5A U-125PE1E5A P114	S-140PN1E5A U-140PE1E5A P115
	S-36PN1E5A x3 U-100PE1E5A P103		S-50PN1E5A x2 U-100PE1E5A P107	S-60PN1E5A x2 U-125PE1E5A P110	S-71PN1E5A x2 U-140PE1E5A P112			
	S-36PN1E5A x4 U-125PE1E5A P104		S-50PN1E5A x3 U-140PE1E5A P108					

Combination of Indoor and Outdoor Units

PE1

3-phase

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

Combination of Indoor and Outdoor Units

PEY1

Single-phase

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

3-phase

	36	50	60	71	100	125	140
U1		S-50PU1E5A x2 U-100PEY1E8 P135	S-60PU1E5A x2 U-125PEY1E8 P136	S-71PU1E5A x2 U-140PEY1E8 P137	S-100PU1E5A U-100PEY1E8 P138	S-125PU1E5A U-125PEY1E8 P139	S-140PU1E5A U-140PEY1E8 P140
T2		S-50PT2E5A x2 U-100PEY1E8 P148	S-60PT2E5A x2 U-125PEY1E8 P149	S-71PT2E5A x2 U-140PEY1E8 P150	S-100PT2E5A U-100PEY1E8 P151	S-125PT2E5A U-125PEY1E8 P152	S-140PT2E5A U-140PEY1E8 P153
K1		S-50PK1E5A x2 U-100PEY1E8 P160	S-60PK1E5A x2 U-125PEY1E8 P161	S-71PK1E5A x2 U-140PEY1E8 P162	S-100PK1E5A U-100PEY1E8 P163		
F1		S-50PF1E5A x2 U-100PEY1E8 P171	S-60PF1E5A x2 U-125PEY1E8 P172	S-71PF1E5A x2 U-140PEY1E8 P173	S-100PF1E5A U-100PEY1E8 P174	S-125PF1E5A U-125PEY1E8 P175	S-140PF1E5A U-140PEY1E8 P176
N1		S-50PN1E5A x2 U-100PEY1E8 P184	S-60PN1E5A x2 U-125PEY1E8 P185	S-71PN1E5A x2 U-140PEY1E8 P186	S-100PN1E5A U-100PEY1E8 P187	S-125PN1E5A U-125PEY1E8 P188	S-140PN1E5A U-140PEY1E8 P189

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Simultaneous (Twin) -Type

1-1. Unit Specifications

PE1

2. Ceiling Type S-36PT2E5A×2 / U-71PE1E5A

INDOOR			MODEL		S-36PT2E5A×2							
PANEL			MODEL		-							
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	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		0.37×2	0.36×2	0.35×2	9.00	8.70	8.40	-	-
	INPUT POWER		W		35×2	35×2	35×2	1.875k	1.875k	1.875k	-	-
			TOTAL W		-			1.945k	1.945k	1.945k	450	2.780k
	ANNUAL CONSUMPTION		TOTAL kWh ※4		-			-	973	-	-	-
	EER/EER CLASS		TOTAL(W/W)※5("A"~"G")		-	-	-	3.65	3.65 / A	3.65	5.56	2.88
	Erp ※6	Pdsign	kW		-	-	-	-	7.1	-		
		SEER	(W/W)		-	-	-	-	6.2	-		
		Annual consumption	kWh		-	-	-	-	401	-		
H E A T I N G	POWER FACTOR	%		-	-	-	95	94	93	-	-	
		NOISE INDOOR (H/M/L)		dB-A		36/32/29						
		Power Level dB		54/50/47								
	NOISE OUTDOOR (H/L)	dB-A					48/-					
		Power Level dB					65/-					
		CAPACITY		kW		8.0	8.0	8.0			2.0	9.0
	CURRENT	BTU/h		27300	27300	27300				6800	30700	
		A		0.37×2	0.36×2	0.36×2	8.90	8.60	8.30	-	-	
		INPUT POWER		W		35×2	35×2	35×2	1.875k	1.875k	1.875k	-
	Erp ※6	COP/COP CLASS		TOTAL(W/W)※5("A"~"G")		-	-	-	4.11	4.11 / A	4.11	5.00
Pdsign		kW		-	-	-	-	7.1	-			
		Tbivalen		°C		-	-	-	-9	-		
		SCOP		(W/W)		-	-	-	4.0	-		
		Annual consumption		kWh		-	-	-	2485	-		
POWER FACTOR		%		-	-	-	96	95	94	-	-	
		NOISE INDOOR (H/M/L)		dB-A		36/32/29						
		Power Level dB		54/50/47								
NOISE OUTDOOR (H/L)		dB-A		-			50/-			/	/	
		Power Level dB		-			67/-					
EXTRA LOW TEMP			Total CAPACITY(kW)/INPUT POWER(W)/COP			-						
MAX CURRENT(A)/MAX INPUT POWER(W)			0.37×2/35×2			0.36×2/35×2	0.35×2/35×2	18.0/3.76k	18.0/3.89k	18.0/4.02k	/	
STARTING CURRENT(A)/COMP OUTPUT(W)			-			-	-	9.00/2.0k	8.70/2.0k	8.40/2.0k	/	
NETWORK IMPEDANCE (ΩMAX.)												
FM OUTPUT (W)						43			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)		[14/12/10.5 (494/424/371)]×2								
	HEAT	m³/min (ft³/min)		[14/12/10.5 (494/424/371)]×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 R O M	HEIGHT : H mm(inch)				235 (9-1/4)			996 (39-7/32)				
	WIDTH : W mm(inch)				960 (37-25/32)			940 (37-1/32)				
	DEPTH : D mm(inch)				690 (27-5/32)			340 (13-13/32)				
P A C M	HEIGHT : H mm				360			1136				
	WIDTH : W mm				1025			1055				
	DEPTH : D mm				820			485				
MASS	(NET) kg(lb)				27 (60)			69 (152)				
	(GROSS) kg(lb)				34 (75)			77 (170)				
LAYERS LIMIT (actually)						9 (10)			2 (3)			
Operation Condition			Cool O.D(DBT)			18°C ~ 32°C			-15°C ~ 46°C			
			Heat O.D(DBT)			16°C ~ 30°C			-20°C ~ 24°C			
P I P E N 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)		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

2. Ceiling Type S-36PT2E5A×3 / U-100PE1E5A

INDOOR			MODEL		S-36PT2E5A×3								
PANEL			MODEL		-			-					
OUTDOOR			MODEL					U-100PE1E5A					
Branch pipe			MODEL					CZ-P3HPC2BM					
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		10.0	10.0	10.0				3.3	15.5	
			BTU/h		34100	34100	34100				11300	42700	
	CURRENT		A		0.37×3	0.36×3	0.35×3	11.5	11.1	10.6	-	-	
	INPUT POWER		W		35×3	35×3	35×3	2.450k	2.450k	2.450k	-	-	
			TOTAL W					2.555k	2.555k	2.555k	840	3.850k	
	ANNUAL CONSUMPTION		TOTAL kWh ※4					-	1278	-	-	-	
	EER/EER CLASS		TOTAL(W/W)※5/(“A”~“G”)		-	-	-	3.91	3.91 / A	3.91	3.93	3.25	
	Erp ※6	Pdsign	kW		-	-	-	-	10.0	-			
		SEER	(W/W)		-	-	-	-	6.5	-			
		Annual consumption	kWh		-	-	-	-	539	-			
Class				-	-	-	-	A++	-				
POWER FACTOR			%		-	-	-	97	96	96	-	-	
NOISE INDOOR (H/M/L)			dB-A		36/32/29								
			Power Level dB		54/50/47								
NOISE OUTDOOR (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		0.37×3	0.36×3	0.35×3	11.8	11.4	11.0	-	-	
	INPUT POWER		W		35×3	35×3	35×3	2.520k	2.520k	2.520k	-	-	
			TOTAL W					2.625k	2.625k	2.625k	900	4.400k	
	COP/COP CLASS		TOTAL(W/W)※5/(“A”~“G”)		-	-	-	4.27	4.27 / A	4.27	4.56	3.18	
	Erp ※6	Pdsign	kW		-	-	-	-	10.0	-			
		Tbivalen	℃		-	-	-	-	-10	-			
		SCOP	(W/W)		-	-	-	-	4.3	-			
		Annual consumption	kWh		-	-	-	-	3256	-			
		Class			-	-	-	-	A+	-			
	POWER FACTOR			%		-	-	-	97	96	95	-	-
	NOISE INDOOR (H/M/L)			dB-A		36/32/29						/	/
				Power Level dB		54/50/47							
	NOISE OUTDOOR (H/L)			dB-A					52/-			/	/
Power Level dB							69/-						
EXTRA LOW TEMP Total CAPACITY(kW)/INPUT POWER(W)/COP					-								
MAX CURRENT(A)/MAX INPUT POWER(W)					0.37×3/35×3	0.36×3/35×3	0.35×3/35×3	25.0/5.34k	25.0/5.52k	25.0/5.70k	/		
STARTING CURRENT(A)/COMP OUTPUT(W)					-	-	-	11.8/3.0k	11.4/3.0k	11.0/3.0k	/		
NETWORK IMPEDANCE (ΩMAX.)					-			-					
FM OUTPUT (W)					43			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)		[14/12/10.5 (494/424/371)]×3								
	HEAT		m³/min (ft³/min)		[14/12/10.5 (494/424/371)]×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 R O M	D I M	HEIGHT : H mm(inch)			235 (9-1/4)			1416 (55-3/4)			/		
		WIDTH : W mm(inch)			960 (37-25/32)			940 (37-1/32)			/		
		DEPTH : D mm(inch)			690 (27-5/32)			340 (13-13/32)			/		
P A C M	D I M	HEIGHT : H mm			360			1556			/		
		WIDTH : W mm			1025			1055			/		
		DEPTH : D mm			820			485			/		
MASS	(NET) kg(lb)			27 (60)			98 (216)			/			
	(GROSS) kg(lb)			34 (75)			108 (238)			/			
LAYERS LIMIT (actually)					9 (10)			1 (2)					
Operation Condition			Cool O.D.(DBT)		18℃ ~ 32℃			-15℃ ~ 46℃					
			Heat O.D.(DBT)		16℃ ~ 30℃			-20℃ ~ 24℃					
P I P E N 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

2. Ceiling Type S-36PT2E5A×4 / U-125PE1E5A

INDOOR			MODEL		S-36PT2E5A×4					
PANEL			MODEL		-			-		
OUTDOOR			MODEL					U-125PE1E5A		
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
C O O L I N G	CAPACITY		kW		12.5	12.5	12.5			
			BTU/h		42700	42700	42700			
	CURRENT		A		0.37×4	0.36×4	0.35×4	17.0	16.4	15.8
			W		35×4	35×4	35×4	3.620k	3.620k	3.620k
	INPUT POWER		TOTAL W		-			3.760k	3.760k	3.760k
			TOTAL kWh ※4		-			-	1880	-
	ANNUAL CONSUMPTION		TOTAL(W/W)※5("A"~"G")		-	-	-	3.32	3.32 / A	3.32
	EER/EER CLASS				-	-	-	-	-	-
	Erp ※6	Pdsign	kW		-	-	-	-	-	-
		SEER	(W/W)		-	-	-	-	-	-
H E A T I N G	Annual consumption	kWh		-	-	-	-	-	-	
		Class		-	-	-	-	-	-	
	POWER FACTOR		%		-	-	-	97	96	
	NOISE INDOOR (H/M/L)		dB-A		36/32/29			95		
			Power Level dB		54/50/47					
	NOISE OUTDOOR (H/L)		dB-A					53/-		
			Power Level dB					70/-		
	CAPACITY		kW		14.0	14.0	14.0			4.1
			BTU/h		47800	47800	47800			16.0
	CURRENT		A		0.37×4	0.36×4	0.35×4	16.0	15.4	14.9
W			35×4	35×4	35×4	3.400k	3.400k	3.400k		
INPUT POWER		TOTAL W		-			3.540k	3.540k	3.540k	
		TOTAL kWh ※5("A"~"G")		-	-	-	900	5.210k		
COP/COP CLASS		TOTAL(W/W)※5("A"~"G")		-	-	-	3.95	3.95 / A	3.95	
Erp ※6	Pdsign	kW		-	-	-	-	-	-	
	Tbivalen	°C		-	-	-	-	-	-	
SCOP	(W/W)		-	-	-	-	-	-	-	
	Annual consumption	kWh		-	-	-	-	-	-	
Class			-	-	-	-	-	-	-	
	POWER FACTOR		%		-	-	-	97	96	
NOISE INDOOR (H/M/L)		dB-A		36/32/29			-			
		Power Level dB		54/50/47			-			
NOISE OUTDOOR (H/L)		dB-A		-			53/-			
		Power Level dB		-			70/-			
EXTRA LOW TEMP					Total CAPACITY(kW)/INPUT POWER(W)/COP					
					-					
MAX CURRENT(A)/MAX INPUT POWER(W)					0.37×4/35×4	0.36×4/35×4	0.35×4/35×4	28.0/5.98k	28.0/6.18k	28.0/6.38k
STARTING CURRENT(A)/COMP OUTPUT(W)					-	-	-	17.0/3.0k	16.4/3.0k	15.8/3.0k
NETWORK IMPEDANCE (ΩMAX.)					-					
FM OUTPUT (W)					43					
					90×2					
MOISTURE REMOVAL VOLUME					L/h(Pt/h)	7.9	(1.975×4)	(16.6)	-	
External static pressure					Pa	-				
I/D AIR FLOW	COOL	m³/min (ft³/min)		[14/12/10.5 (494/424/371)]×4						
	HEAT	m³/min (ft³/min)		[14/12/10.5 (494/424/371)]×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 R O M	D	HEIGHT : H mm(inch)		235 (9-1/4)			1416 (55-3/4)			
	I	WIDTH : W mm(inch)		960 (37-25/32)			940 (37-1/32)			
	M	DEPTH : D mm(inch)		690 (27-5/32)			340 (13-13/32)			
P A C M	D	HEIGHT : H mm		360			1556			
	I	WIDTH : W mm		1025			1055			
	M	DEPTH : D mm		820			485			
MASS	(NET) kg(lb)		27 (60)			98 (216)				
	(GROSS) kg(lb)		34 (75)			108 (238)				
LAYERS LIMIT (actually)					9 (10) 1 (2)					
Operation Condition			Cool O.D.(DBT)		18°C ~ 32°C					
			Heat O.D.(DBT)		16°C ~ 30°C					
								-15°C ~ 46°C		
								-20°C ~ 24°C		
P I P I N 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

2. Ceiling Type S-45PT2E5A×3 / U-125PE1E5A

INDOOR			MODEL		S-45PT2E5A×3									
PANEL			MODEL		-			-						
OUTDOOR			MODEL					U-125PE1E5A						
Branch pipe			MODEL					CZ-P3HPC2BM						
PERFORMANCE TEST CONDITION					ISO5151 / EN14511 / 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		12.5	12.5	12.5				3.3	14.0		
			BTU/h		42700	42700	42700				11300	47800		
	CURRENT		A		0.39×3	0.38×3	0.37×3	17.0	16.4	15.8	-	-		
			W		40×3	40×3	40×3	3.620k	3.620k	3.620k	-	-		
	INPUT POWER		TOTAL W		-			3.740k	3.740k	3.740k	840	4.860k		
			TOTAL kWh ※4		-			-	1870	-	-	-		
	EER/EER CLASS		TOTAL(W/W)※5/("A"~"G")		-	-	-	3.34	3.34 / A	3.34	3.93	2.88		
			Pdsign		kW	-	-	-	-	-	-			
	Erp ※6	SEER		(W/W)	-	-	-	-	-	-				
		Annual consumption		kWh	-	-	-	-	-	-				
		Class		-	-	-	-	-	-					
POWER FACTOR			%		-	-	-	97	96	95	-	-		
NOISE INDOOR (H/M/L)			dB-A		37/33/29									
			Power Level dB		55/51/47									
NOISE OUTDOOR (H/L)			dB-A					53/-						
			Power Level dB					70/-						
H E A T I N G	CAPACITY		kW		14.0	14.0	14.0				4.1	16.0		
			BTU/h		47800	47800	47800				14000	54600		
	CURRENT		A		0.39×3	0.38×3	0.37×3	16.0	15.4	14.9	-	-		
			W		40×3	40×3	40×3	3.400k	3.400k	3.400k	-	-		
	INPUT POWER		TOTAL W		-			3.520k	3.520k	3.520k	900	5.210k		
			TOTAL(W/W)※5/("A"~"G")		-	-	-	3.98	3.98 / A	3.98	4.56	3.07		
	Erp ※6	Pdsign		kW	-	-	-	-	-	-				
		Tbivalen		°C	-	-	-	-	-	-				
		SCOP		(W/W)	-	-	-	-	-	-				
		Annual consumption		kWh	-	-	-	-	-	-				
		Class		-	-	-	-	-	-					
POWER FACTOR			%		-	-	-	97	96	95	-	-		
NOISE INDOOR (H/M/L)			dB-A		37/33/29						/	/		
			Power Level dB		55/51/47									
NOISE OUTDOOR (H/L)			dB-A		-			53/-			/	/		
			Power Level dB					70/-						
EXTRA LOW TEMP Total CAPACITY(kW)/INPUT POWER(W)/COP					-									
MAX CURRENT(A)/MAX INPUT POWER(W)					0.39×3/40×3	0.38×3/40×3	0.37×3/40×3	28.0/5.98k	28.0/6.18k	28.0/6.38k	/			
STARTING CURRENT(A)/COMP OUTPUT(W)					-	-	-	17.0/3.0k	16.4/3.0k	15.8/3.0k	/			
NETWORK IMPEDANCE (ΩMAX.)					-									
FM OUTPUT (W)					43							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)		[15/12.5/10.5 (530/441/371)]×3									
	HEAT		m³/min (ft³/min)		[15/12.5/10.5 (530/441/371)]×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 R O M	D I M	HEIGHT : H mm(inch)		235 (9-1/4)							1416 (55-3/4)	/		
		WIDTH : W mm(inch)		960 (37-25/32)							940 (37-1/32)	/		
		DEPTH : D mm(inch)		690 (27-5/32)							340 (13-13/32)	/		
P A C M	I D M	HEIGHT : H mm		360							1556	/		
		WIDTH : W mm		1025							1055	/		
		DEPTH : D mm		820							485	/		
MASS	(NET) kg(lb)		27 (60)							98 (216)	/			
	(GROSS) kg(lb)		34 (75)							108 (238)	/			
LAYERS LIMIT (actually)					9 (10)							1 (2)		
Operation Condition			Cool O.D(DBT)		18°C ~ 32°C							-15°C ~ 46°C		
			Heat O.D(DBT)		16°C ~ 30°C							-20°C ~ 24°C		
P I P I N 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

2. Ceiling Type S-50PT2E5A / U-50PE1E5

INDOOR			MODEL		S-50PT2E5A							
PANEL			MODEL		-							
OUTDOOR			MODEL					U-50PE1E5				
Branch pipe			MODEL		-							
PERFORMANCE TEST CONDITION			ISO5151 / EN14511 / EN14825 / EN12102									
POWER SUPPLY			ø, Hz		1ø 50Hz			1ø 50Hz				
C O O L I N G	CAPACITY		V		220	230	240	220	230	240	Min	Max
			kW		5.0	5.0	5.0				1.5	5.6
			BTU/h		17100	17100	17100				5100	19100
	CURRENT		A		0.39	0.38	0.37	6.55	6.25	6.00	-	-
			W		40	40	40	1.340k	1.340k	1.340k	-	-
	INPUT POWER		TOTAL W		-			1.380k	1.380k	1.380k	260	2.050k
			TOTAL kWh ※4		-			-	690	-	-	-
	EER/EER CLASS		TOTAL(W/W)※5("A"~"G")		-	-	-	3.62	3.62 / A	3.62	5.77	2.73
	Erp ※6	Pdsign	kW	-	-	-	-	5.0	-			
		SEER	(W/W)	-	-	-	-	6.4	-			
		Annual consumption	kWh	-	-	-	-	273	-			
Class			-	-	-	-	A++	-				
POWER FACTOR		%	-	-	-	-	93	93	93	-	-	
NOISE INDOOR (H/M/L)		dB-A	37/33/29									
	Power Level dB	55/51/47										
NOISE OUTDOOR (H/L)	dB-A							46/-				
	Power Level dB							65/-				
H E A T I N G	CAPACITY		kW		5.6	5.6	5.6				1.5	6.5
			BTU/h		19100	19100	19100				5100	22200
	CURRENT		A		0.39	0.38	0.37	6.70	6.40	6.15	-	-
			W		40	40	40	1.370k	1.370k	1.370k	-	-
	INPUT POWER		TOTAL W		-			1.410k	1.410k	1.410k	220	2.300k
			TOTAL(W/W)※5("A"~"G")		-	-	-	3.97	3.97 / A	3.97	6.82	2.83
	Erp ※6	Pdsign	kW	-	-	-	-	4.0	-			
		Tbivalen	°C	-	-	-	-	-10	-			
		SCOP	(W/W)	-	-	-	-	4.0	-			
		Annual consumption	kWh	-	-	-	-	1400	-			
		Class		-	-	-	-	A+	-			
	POWER FACTOR	%	-	-	-	-	93	93	93	-	-	
	NOISE INDOOR (H/M/L)	dB-A	37/33/29							/	/	
Power Level dB		55/51/47						-				
NOISE OUTDOOR (H/L)	dB-A	-						50/-	/	/		
	Power Level dB	-						69/-				
EXTRA LOW TEMP			Total CAPACITY(kW)/INPUT POWER(W)/COP		-							
MAX CURRENT(A)/MAX INPUT POWER(W)			0.39/40	0.38/40	0.37/40	12.0/2.46k	12.0/2.57k	12.0/2.68k	/			
STARTING CURRENT(A)/COMP OUTPUT(W)			-	-	-	6.70/0.9k	6.40/0.9k	6.15/0.9k	/			
NETWORK IMPEDANCE (ΩMAX.)			-			-						
FM OUTPUT (W)			43			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)	15/12.5/10.5 (530/441/371)									
	HEAT	m³/min (ft³/min)	15/12.5/10.5 (530/441/371)									
O/D AIR FLOW	COOL	m³/min (ft³/min)				30	(1059)					
	HEAT	m³/min (ft³/min)				35	(1236)					
REFRIGERANT TYPE, AMOUNT g(oz)						R410A	1.65k	(58.2)	/			
P	D	HEIGHT : H mm(inch)	235 (9-1/4)			569 (22-13/32)			/			
R	I	WIDTH : W mm(inch)	960 (37-25/32)			790 (31-7/64)			/			
O	M	DEPTH : D mm(inch)	690 (27-5/32)			285 (11-7/32)			/			
P	D	HEIGHT : H mm	360			645			/			
A	I	WIDTH : W mm	1025			921			/			
C	M	DEPTH : D mm	820			386			/			
MASS	(NET) kg(lb)		27 (60)			42 (93)			/			
	(GROSS) kg(lb)		34 (75)			46 (101)			/			
LAYERS LIMIT (actually)			9 (10)			4 (5)						
Operation		Cool O.D(DBT)	18°C ~ 32°C			-15°C ~ 46°C						
Condition		Heat O.D(DBT)	16°C ~ 30°C			-20°C ~ 24°C						
P I P E N G	PIPE DIAMETER mm (inch)		(Liquid)ø6.35(1/4) (Gas)ø12.7(1/2)			(Liquid)ø6.35(1/4) (Gas)ø12.7(1/2)						
	CONNECT METHOD, STD LENGTH m (ft)		flared type, 5.0(16.4)			flared type, 5.0(16.4)						
	PIPE LENGTH RANGE m (ft)		5 ~ 40 (16.4 ~ 131.2)						~ ~			
	I/D&O/D HEIGHT DIFFERENCE m (ft)		15 (OD located lower) / 30 (OD located higher)			(49.2/98.4)						
	ADD GAS AMOUNT g/m (oz/ft)		20 (0.215)									
PIPE LENGTH FOR ADDITIONAL GAS m (ft)		30 (98.4)										

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

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

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

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

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

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

Simultaneous (Twin) -Type

1-1. Unit Specifications

PE1

2. Ceiling Type S-50PT2E5A×2 / U-100PE1E5A

INDOOR			MODEL	S-50PT2E5A×2								
PANEL			MODEL	-			-					
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 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	0.39×2	0.38×2	0.37×2	11.5	11.1	10.6	-	-	
	INPUT POWER		W	40×2	40×2	40×2	2.450k	2.450k	2.450k	-	-	
			TOTAL W	-			2.530k	2.530k	2.530k	840	3.850k	
	ANNUAL CONSUMPTION		TOTAL kWh ※4	-			-	1265	-	-	-	
	EER/EER CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	3.95	3.95 / A	3.95	3.93	3.25	
	Erp ※6	Pdsign	kW	-	-	-	-	10.0	-			
		SEER	(W/W)	-	-	-	-	6.5	-			
		Annual consumption	kWh	-	-	-	-	539	-			
		Class		-	-	-	-	A++	-			
		POWER FACTOR		%	-	-	-	97	96	96	-	-
		NOISE INDOOR (H/M/L)		dB-A	37/33/29							
	Power Level dB			55/51/47								
NOISE OUTDOOR (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	0.39×2	0.38×2	0.37×2	11.8	11.4	11.0	-	-	
	INPUT POWER		W	40×2	40×2	40×2	2.520k	2.520k	2.520k	-	-	
			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 ※6	Pdsign	kW	-	-	-	-	10.0	-			
		Tbivalen	°C	-	-	-	-	-10	-			
		SCOP	(W/W)	-	-	-	-	4.3	-			
		Annual consumption	kWh	-	-	-	-	3256	-			
		Class		-	-	-	-	A+	-			
		POWER FACTOR		%	-	-	-	97	96	95	-	-
	NOISE INDOOR (H/M/L)		dB-A	37/33/29						/	/	
			Power Level dB	55/51/47								
	NOISE OUTDOOR (H/L)		dB-A				52/-			/	/	
			Power Level dB				69/-					
	EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP			-							
MAX CURRENT(A)/MAX INPUT POWER(W)				0.39×2/40×2	0.38×2/40×2	0.37×2/40×2	25.0/5.34k	25.0/5.52k	25.0/5.70k	/		
STARTING CURRENT(A)/COMP OUTPUT(W)				-	-	-	11.8/3.0k	11.4/3.0k	11.0/3.0k	/		
NETWORK IMPEDANCE (ΩMAX.)												
FM OUTPUT (W)				43			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)	[15/12.5/10.5 (530/441/371)]×2									
	HEAT	m³/min (ft³/min)	[15/12.5/10.5 (530/441/371)]×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 R O M	D	HEIGHT : H mm(inch)	235 (9-1/4)			1416 (55-3/4)			/			
	I	WIDTH : W mm(inch)	960 (37-25/32)			940 (37-1/32)			/			
	M	DEPTH : D mm(inch)	690 (27-5/32)			340 (13-13/32)			/			
P A C M	D	HEIGHT : H mm	360			1556			/			
	I	WIDTH : W mm	1025			1055			/			
	M	DEPTH : D mm	820			485			/			
MASS		(NET) kg(lb)	27 (60)			98 (216)			/			
		(GROSS) kg(lb)	34 (75)			108 (238)			/			
LAYERS LIMIT (actually)				9 (10)			1 (2)					
Operation Condition			Cool O.D(DBT)	18°C ~ 32°C			-15°C ~ 46°C					
			Heat O.D(DBT)	16°C ~ 30°C			-20°C ~ 24°C					
P I P I N 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

2. Ceiling Type S-50PT2E5A×3 / U-140PE1E5A

INDOOR			MODEL		S-50PT2E5A×3								
PANEL			MODEL		-								
OUTDOOR			MODEL					U-140PE1E5A					
Branch pipe			MODEL					CZ-P3HPC2BM					
PERFORMANCE TEST CONDITION					ISO5151 / EN14511 / 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		14.0	14.0	14.0				3.3	15.5	
			BTU/h		47800	47800	47800				11300	51200	
	CURRENT		A		0.39×3	0.38×3	0.37×3	21.2	20.5	19.8	-	-	
	INPUT POWER		W		40×3	40×3	40×3	4.530k	4.530k	4.530k	-	-	
			TOTAL W		-			4.650k	4.650k	4.650k	840	5.650k	
	ANNUAL CONSUMPTION		TOTAL kWh ※4		-			-	2325	-	-	-	
	EER/EER CLASS		TOTAL(W/W)※5("A"~"G")		-	-	-	3.01	3.01 / B	3.01	3.93	2.65	
	Erp ※6	Pdsign	kW		-	-	-	-	-	-			
		SEER	(W/W)		-	-	-	-	-	-			
		Annual consumption Class	kWh		-	-	-	-	-	-			
POWER FACTOR			%		-	-	-	97	96	95	-	-	
NOISE INDOOR (H/M/L)			dB-A		37/33/29								
			Power Level dB		55/51/47								
NOISE OUTDOOR (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		0.39×3	0.38×3	0.37×3	19.8	19.2	18.5	-	-	
	INPUT POWER		W		40×3	40×3	40×3	4.240k	4.240k	4.240k	-	-	
			TOTAL W		-			4.360k	4.360k	4.360k	900	5.930k	
	COP/COP CLASS		TOTAL(W/W)※5("A"~"G")		-	-	-	3.67	3.67 / A	3.67	4.56	3.04	
	Erp ※6	Pdsign	kW		-	-	-	-	-	-			
		Tbivalen	°C		-	-	-	-	-	-			
		SCOP	(W/W)		-	-	-	-	-	-			
		Annual consumption Class	kWh		-	-	-	-	-	-			
	POWER FACTOR			%		-	-	-	97	96	95	-	-
	NOISE INDOOR (H/M/L)			dB-A		37/33/29						/	/
				Power Level dB		55/51/47							
	NOISE OUTDOOR (H/L)			dB-A		-			55/-			/	/
				Power Level dB		-			71/-				
EXTRA LOW TEMP					Total CAPACITY(kW)/INPUT POWER(W)/COP			-					
MAX CURRENT(A)/MAX INPUT POWER(W)					0.39×3/40×3	0.38×3/40×3	0.37×3/40×3	30.0/6.40k	30.0/6.62k	30.0/6.84k		/	
STARTING CURRENT(A)/COMP OUTPUT(W)					-	-	-	21.2/3.0k	20.5/3.0k	19.8/3.0k		/	
NETWORK IMPEDANCE (ΩMAX.)								-					
FM OUTPUT (W)					43			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)		[15/12.5/10.5 (530/441/371)]×3									
	HEAT	m³/min (ft³/min)		[15/12.5/10.5 (530/441/371)]×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 D	HEIGHT : H mm(inch)		235 (9-1/4)			1416 (55-3/4)							
R I	WIDTH : W mm(inch)		960 (37-25/32)			940 (37-1/32)							
O M	DEPTH : D mm(inch)		690 (27-5/32)			340 (13-13/32)							
P D	HEIGHT : H mm		360			1556							
A I	WIDTH : W mm		1025			1055							
C M	DEPTH : D mm		820			485							
MASS	(NET) kg(lb)		27 (60)			98 (216)							
	(GROSS) kg(lb)		34 (75)			108 (238)							
LAYERS LIMIT (actually)					9 (10)			1 (2)					
Operation Condition			Cool O.D.(DBT)		18°C ~ 32°C			-15°C ~ 46°C					
			Heat O.D.(DBT)		16°C ~ 30°C			-20°C ~ 24°C					
P I P I N 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

2. Ceiling Type S-60PT2E5A / U-60PE1E5A

INDOOR			MODEL	S-60PT2E5A							
PANEL			MODEL	-			-				
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 O O L I N G	CAPACITY		kW	6.0	6.0	6.0				2.5	7.1
			BTU/h	20500	20500	20500				8500	24200
	CURRENT		A	0.42	0.41	0.40	7.15	6.90	6.70	-	-
	INPUT POWER		W	50	50	50	1.440k	1.440k	1.440k	-	-
			TOTAL W	-			1.490k	1.490k	1.490k	450	2.010k
	ANNUAL CONSUMPTION		TOTAL kWh ※4	-			-	745	-	-	-
	EER/EER CLASS		TOTAL(W/W)※5/("A"~"G")	-	-	-	4.03	4.03 / A	4.03	5.56	3.53
	Erp ※6	Pdsign	kW	-	-	-	-	6.0	-		
		SEER	(W/W)	-	-	-	-	6.8	-		
		Annual consumption	kWh	-	-	-	-	309	-		
	Class		-	-	-	-	A++	-			
POWER FACTOR			%	-	-	-	92	91	90	-	-
NOISE INDOOR (H/M/L)			dB-A	38/34/30							
			Power Level dB	56/52/48							
NOISE OUTDOOR (H/L)			dB-A				48/-				
			Power Level dB				65/-				
H E A T I N G	CAPACITY		kW	7.0	7.0	7.0				2.0	8.0
			BTU/h	23900	23900	23900				6800	27300
	CURRENT		A	0.42	0.41	0.40	8.10	7.80	7.60	-	-
	INPUT POWER		W	50	50	50	1.690k	1.690k	1.690k	-	-
			TOTAL W	-			1.740k	1.740k	1.740k	400	2.480k
	COP/COP CLASS		TOTAL(W/W)※5/("A"~"G")	-	-	-	4.02	4.02 / A	4.02	5.00	3.23
	Erp ※6	Pdsign	kW	-	-	-	-	6.0	-		
		Tbivalen	°C	-	-	-	-	-10	-		
		SCOP	(W/W)	-	-	-	-	4.1	-		
		Annual consumption	kWh	-	-	-	-	2049	-		
	Class		-	-	-	-	A+	-			
POWER FACTOR			%	-	-	-	95	94	93	-	-
NOISE INDOOR (H/M/L)			dB-A	38/34/30						/	/
			Power Level dB	56/52/48							
NOISE OUTDOOR (H/L)			dB-A				50/-			/	/
			Power Level dB				67/-				
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP			-							
MAX CURRENT(A)/MAX INPUT POWER(W)				0.42/50	0.41/50	0.40/50	18.0/3.76k	18.0/3.89k	18.0/4.02k	/	
STARTING CURRENT(A)/COMP OUTPUT(W)				-	-	-	8.10/1.7k	7.80/1.7k	7.60/1.7k	/	
NETWORK IMPEDANCE (ΩMAX.)				-			-				
FM OUTPUT (W)				74			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)	20/17/14.5 (706/600/512)								
	HEAT	m³/min (ft³/min)	20/17/14.5 (706/600/512)								
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 R O M	D	HEIGHT : H mm(inch)	235 (9-1/4)			996 (39-7/32)			/		
	I	WIDTH : W mm(inch)	1275 (50-3/16)			940 (37-1/32)			/		
	M	DEPTH : D mm(inch)	690 (27-5/32)			340 (13-13/32)			/		
P A C M	D	HEIGHT : H mm	360			1136			/		
	I	WIDTH : W mm	1340			1055			/		
	M	DEPTH : D mm	820			485			/		
MASS		(NET) kg(lb)	33 (73)			68 (150)			/		
		(GROSS) kg(lb)	42 (93)			76 (168)			/		
LAYERS LIMIT (actually)				9 (10)			2 (3)				
Operation Condition			Cool O.D(DBT)	18°C ~ 32°C			-15°C ~ 46°C				
			Heat O.D(DBT)	16°C ~ 30°C			-20°C ~ 24°C				
P I P E I N G	PIPE DIAMETER mm (inch)		(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)					
	CONNECT METHOD, STD LENGTH m (ft)		flared type, 5.0(16.4)			flared type, 5.0(16.4)					
	PIPE LENGTH RANGE m (ft)		5 ~ 50 (16.4 ~ 164)						~	~	
	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

2. Ceiling Type S-60PT2E5A×2 / U-125PE1E5A

INDOOR			MODEL		S-60PT2E5A×2									
PANEL			MODEL		-									
OUTDOOR			MODEL					U-125PE1E5A						
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 O O L I N G	CAPACITY		kW		12.5	12.5	12.5				3.3	14.0		
			BTU/h		42700	42700	42700				11300	47800		
	CURRENT		A		0.42×2	0.41×2	0.40×2	17.0	16.4	15.9	-	-		
			W		50×2	50×2	50×2	3.630k	3.630k	3.630k	-	-		
	INPUT POWER		TOTAL W		-			3.730k	3.730k	3.730k	840	4.860k		
			TOTAL kWh ※4		-			-	1865	-	-	-	-	
	EER/EER CLASS		TOTAL(W/W)※5/("A"~"G")		-	-	-	3.35	3.35 / A	3.35	3.93	2.88		
	Erp ※6	Pdsign	kW		-	-	-	-	-	-				
		SEER	(W/W)		-	-	-	-	-	-				
		Annual consumption	kWh		-	-	-	-	-	-				
Class				-	-	-	-	-	-					
POWER FACTOR			%		-	-	-	97	96	95	-	-		
NOISE INDOOR (H/M/L)			dB-A		38/34/30									
			Power Level dB		56/52/48									
NOISE OUTDOOR (H/L)			dB-A					53/-						
			Power Level dB					70/-						
H E A T I N G	CAPACITY		kW		14.0	14.0	14.0				4.1	16.0		
			BTU/h		47800	47800	47800				14000	54600		
	CURRENT		A		0.42×2	0.41×2	0.40×2	16.0	15.4	14.9	-	-		
			W		50×2	50×2	50×2	3.410k	3.410k	3.410k	-	-		
	INPUT POWER		TOTAL W		-			3.510k	3.510k	3.510k	900	5.210k		
			TOTAL(W/W)※5/("A"~"G")		-	-	-	3.99	3.99 / A	3.99	4.56	3.07		
	Erp ※6	Pdsign	kW		-	-	-	-	-	-				
		Tbivalen	°C		-	-	-	-	-	-				
		SCOP	(W/W)		-	-	-	-	-	-				
		Annual consumption	kWh		-	-	-	-	-	-				
	POWER FACTOR	%		-	-	-	-	97	96	95	-	-		
		NOISE INDOOR (H/M/L)			dB-A		38/34/30						/	/
	Power Level dB				56/52/48									
	NOISE OUTDOOR (H/L)			dB-A		-			53/-			/	/	
				Power Level dB		-			70/-					
EXTRA LOW TEMP					Total CAPACITY(kW)/INPUT POWER(W)/COP					-				
MAX CURRENT(A)/MAX INPUT POWER(W)					0.42×2/50×2	0.41×2/50×2	0.40×2/50×2	28.0/5.98k	28.0/6.18k	28.0/6.38k	/			
STARTING CURRENT(A)/COMP OUTPUT(W)					-	-	-	17.0/3.0k	16.4/3.0k	15.8/3.0k	/			
NETWORK IMPEDANCE (ΩMAX.)										-				
FM OUTPUT (W)					74					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)		[20/17/14.5 (706/600/512)]×2									
	HEAT		m³/min (ft³/min)		[20/17/14.5 (706/600/512)]×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)		235 (9-1/4)					1416 (55-3/4)					
R	I	WIDTH : W mm(inch)		1275 (50-3/16)					940 (37-1/32)					
O	M	DEPTH : D mm(inch)		690 (27-5/32)					340 (13-13/32)					
P	D	HEIGHT : H mm		360					1556					
A	I	WIDTH : W mm		1340					1055					
C	M	DEPTH : D mm		820					485					
MASS	(NET) kg(lb)		33 (73)					98 (216)						
	(GROSS) kg(lb)		42 (93)					108 (238)						
LAYERS LIMIT (actually)					9 (10)					1 (2)				
Operation Condition			Cool O.D.(DBT)		18°C ~ 32°C					-15°C ~ 46°C				
			Heat O.D.(DBT)		16°C ~ 30°C					-20°C ~ 24°C				
P 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

2. Ceiling Type S-71PT2E5A / U-71PE1E5A

INDOOR			MODEL		S-71PT2E5A								
PANEL			MODEL		-			-					
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		0.45	0.44	0.43	9.00	8.70	8.40	-	-	
	INPUT POWER		W		55	55	55	1.875k	1.875k	1.875k	-	-	
			TOTAL W		-			1.930k	1.930k	1.930k	450	2.780k	
	ANNUAL CONSUMPTION		TOTAL kWh ※4		-			-	965	-	-	-	
	EER/EER CLASS		TOTAL(W/W)※5/("A"~"G")		-	-	-	3.68	3.68 / A	3.68	5.56	2.88	
	Erp ※6	Pdsign	kW		-	-	-	-	7.1	-			
		SEER	(W/W)		-	-	-	-	6.2	-			
		Annual consumption	kWh		-	-	-	-	401	-			
		Class			-	-	-	-	A++	-			
	POWER FACTOR		%		-	-	-	95	94	93	-	-	
	NOISE INDOOR (H/M/L)		dB-A		39/35/31								
			Power Level dB		57/53/49								
NOISE OUTDOOR (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		0.45	0.44	0.43	8.90	8.60	8.30	-	-	
	INPUT POWER		W		55	55	55	1.875k	1.875k	1.875k	-	-	
			TOTAL W		-			1.930k	1.930k	1.930k	400	2.900k	
	COP/COP CLASS		TOTAL(W/W)※5/("A"~"G")		-	-	-	4.15	4.15 / A	4.15	5.00	3.10	
	Erp ※6	Pdsign	kW		-	-	-	-	7.1	-			
		Tbivalen	°C		-	-	-	-	-10	-			
		SCOP	(W/W)		-	-	-	-	4.0	-			
		Annual consumption	kWh		-	-	-	-	2485	-			
	POWER FACTOR		%		-	-	-	96	95	94	-	-	
	NOISE INDOOR (H/M/L)		dB-A		39/35/31						/ /		
			Power Level dB		57/53/49								
	NOISE OUTDOOR (H/L)		dB-A		-						/ /		
			Power Level dB		-			50/- 67/-					
	EXTRA LOW TEMP Total CAPACITY(kW)/INPUT POWER(W)/COP						-						
	MAX CURRENT(A)/MAX INPUT POWER(W)			0.45/55		0.44/55		0.43/55		18.0/3.76k	18.0/3.89k	18.0/4.02k	/
	STARTING CURRENT(A)/COMP OUTPUT(W)			-		-		-		9.00/2.0k	8.70/2.0k	8.40/2.0k	/
NETWORK IMPEDANCE (ΩMAX.)						-							
FM OUTPUT (W)						74			90			/	
MOISTURE REMOVAL VOLUME			L/h(Pt/h)		4.2		(8.8)		-				
External static pressure			Pa		-								
I/D AIR FLOW	COOL	m³/min (ft³/min)		21/18/15.5 (742/636/547)									
	HEAT	m³/min (ft³/min)		21/18/15.5 (742/636/547)									
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 I D O M	D	HEIGHT : H mm(inch)		235 (9-1/4)			996 (39-7/32)						
	I	WIDTH : W mm(inch)		1275 (50-3/16)			940 (37-1/32)						
	M	DEPTH : D mm(inch)		690 (27-5/32)			340 (13-13/32)						
P A C M	D	HEIGHT : H mm		360			1136						
	I	WIDTH : W mm		1340			1055						
	M	DEPTH : D mm		820			485						
MASS		(NET) kg(lb)		33 (73)			69 (152)						
		(GROSS) kg(lb)		42 (93)			77 (170)						
LAYERS LIMIT (actually)			9 (10)			2 (3)							
Operation Condition		Cool O.D.(DBT)		18°C ~ 32°C			-15°C ~ 46°C						
		Heat O.D.(DBT)		16°C ~ 30°C			-20°C ~ 24°C						
P I P E I N G	PIPE DIAMETER mm (inch)		(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)							
	CONNECT METHOD, STD LENGTH m (ft)		flared type, 5.0(16.4)			flared type, 5.0(16.4)							
	PIPE LENGTH RANGE m (ft)		5 ~ 50 (16.4 ~ 164)						~ ~				
	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

2. Ceiling Type S-71PT2E5A×2 / U-140PE1E5A

INDOOR		MODEL	S-71PT2E5A×2									
PANEL		MODEL	-			-						
OUTDOOR		MODEL				U-140PE1E5A						
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 O O L I N G	CAPACITY	kW	14.0	14.0	14.0				3.3	15.0		
		BTU/h	47800	47800	47800				11300	51200		
	CURRENT	A	0.45×2	0.44×2	0.43×2	21.2	20.5	19.9	-	-		
	INPUT POWER	W	55×2	55×2	55×2	4.540k	4.540k	4.540k	-	-		
		TOTAL W	-			4.650k	4.650k	4.650k	840	5.650k		
	ANNUAL CONSUMPTION		TOTAL kWh ※4		-		-	2325	-	-		
	EER/EER CLASS		TOTAL(W/W)※5("A"~"G")		-	-	-	3.01	3.01 / B	3.01	3.93	2.65
	Erp ※6	Pdsign	kW	-	-	-	-	-	-			
		SEER	(W/W)	-	-	-	-	-	-			
		Annual consumption	kWh	-	-	-	-	-	-			
Class			-	-	-	-	-	-				
POWER FACTOR		%	-	-	-	97	96	95	-	-		
NOISE INDOOR (H/M/L)	dB-A	39/35/31										
	Power Level dB	57/53/49										
NOISE OUTDOOR (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	0.45×2	0.44×2	0.43×2	19.9	19.2	18.6	-	-		
	INPUT POWER	W	55×2	55×2	55×2	4.250k	4.250k	4.250k	-	-		
		TOTAL W	-			4.360k	4.360k	4.360k	900	5.930k		
	COP/COP CLASS		TOTAL(W/W)※5("A"~"G")		-	-	-	3.67	3.67 / A	3.67	4.56	3.04
	Erp ※6	Pdsign	kW	-	-	-	-	-	-			
		Tbivalen	°C	-	-	-	-	-	-			
		SCOP	(W/W)	-	-	-	-	-	-			
		Annual consumption	kWh	-	-	-	-	-	-			
	Class		-	-	-	-	-	-				
	POWER FACTOR		%	-	-	-	97	96	95	-	-	
	NOISE INDOOR (H/M/L)	dB-A	39/35/31						/			
		Power Level dB	57/53/49									
	NOISE OUTDOOR (H/L)	dB-A	-						/			
Power Level dB		-						/				
EXTRA LOW TEMP			Total CAPACITY(kW)/INPUT POWER(W)/COP			-						
MAX CURRENT(A)/MAX INPUT POWER(W)			0.45×2/55×2	0.44×2/55×2	0.43×2/55×2	30.0/6.40k	30.0/6.62k	30.0/6.84k	/			
STARTING CURRENT(A)/COMP OUTPUT(W)			-	-	-	21.2/3.0k	20.5/3.0k	19.8/3.0k	/			
NETWORK IMPEDANCE (ΩMAX.)						-						
FM OUTPUT (W)			74			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)	[21/18/15.5 (742/636/547)]×2									
	HEAT	m³/min (ft³/min)	[21/18/15.5 (742/636/547)]×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)	235 (9-1/4)			1416 (55-3/4)			/				
R I	WIDTH : W mm(inch)	1275 (50-3/16)			940 (37-1/32)			/				
O M	DEPTH : D mm(inch)	690 (27-5/32)			340 (13-13/32)			/				
P D	HEIGHT : H mm	360			1556			/				
A I	WIDTH : W mm	1340			1055			/				
C M	DEPTH : D mm	820			485			/				
MASS	(NET) kg(lb)	33 (73)			98 (216)			/				
	(GROSS) kg(lb)	42 (93)			108 (238)			/				
LAYERS LIMIT (actually)			9 (10)			1 (2)						
Operation Condition		Cool O.D(DBT)	18°C ~ 32°C			-15°C ~ 46°C						
		Heat O.D(DBT)	16°C ~ 30°C			-20°C ~ 24°C						
P 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 ~ 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

2. Ceiling Type S-100PT2E5A / U-100PE1E5A

INDOOR			MODEL		S-100PT2E5A								
PANEL			MODEL		-			-					
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 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		0.69	0.67	0.65	11.5	11.1	10.6	-	-	
	INPUT POWER		W		80	80	80	2.450k	2.450k	2.450k	-	-	
			TOTAL W		-			2.530k	2.530k	2.530k	840	3.850k	
	ANNUAL CONSUMPTION		TOTAL kWh ※4		-			-	1265	-	-	-	
	EER/EER CLASS		TOTAL(W/W)※5/("A"~"G")		-	-	-	3.95	3.95 / A	3.95	3.93	3.25	
	Erp ※6	Pdsign		kW		-	-	-	-	10.0	-		
		SEER		(W/W)		-	-	-	-	6.7	-		
		Annual consumption		kWh		-	-	-	-	523	-		
		Class				-	-	-	-	A++	-		
POWER FACTOR			%		-	-	-	97	96	96	-	-	
NOISE INDOOR (H/M/L)			dB-A		42/37/35								
			Power Level dB		60/55/53								
NOISE OUTDOOR (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		0.69	0.67	0.65	11.8	11.4	11.0	-	-	
	INPUT POWER		W		80	80	80	2.520k	2.520k	2.520k	-	-	
			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 ※6	Pdsign		kW		-	-	-	-	10.0	-		
		Tbivalen		°C		-	-	-	-	-10	-		
		SCOP		(W/W)		-	-	-	-	4.3	-		
		Annual consumption		kWh		-	-	-	-	3256	-		
	Class				-	-	-	-	A+	-			
	POWER FACTOR			%		-	-	-	97	96	95	-	-
	NOISE INDOOR (H/M/L)			dB-A		42/37/35						/	/
				Power Level dB		60/55/53							
	NOISE OUTDOOR (H/L)			dB-A					52/-			/	/
Power Level dB							69/-						
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP				-								
MAX CURRENT(A)/MAX INPUT POWER(W)					0.69/80	0.67/80	0.65/80	25.0/5.34k	25.0/5.52k	25.0/5.70k	/		
STARTING CURRENT(A)/COMP OUTPUT(W)					-	-	-	11.8/3.0k	11.4/3.0k	11.0/3.0k	/		
NETWORK IMPEDANCE (ΩMAX.)					-			-					
FM OUTPUT (W)					111			90×2			/		
MOISTURE REMOVAL VOLUME			L/h(Pt/h)		6.0	(12.6)		-					
External static pressure			Pa		-								
I/D AIR FLOW	COOL		m³/min (ft³/min)		30/25/23 (1059/883/812)								
	HEAT		m³/min (ft³/min)		30/25/23 (1059/883/812)								
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	D I M	HEIGHT : H mm(inch)		235 (9-1/4)			1416 (55-3/4)			/			
		WIDTH : W mm(inch)		1590 (62-19/32)			940 (37-1/32)			/			
		DEPTH : D mm(inch)		690 (27-5/32)			340 (13-13/32)			/			
P A C M	I D M	HEIGHT : H mm		360			1556			/			
		WIDTH : W mm		1655			1055			/			
		DEPTH : D mm		820			485			/			
MASS		(NET) kg(lb)		40 (88)			98 (216)			/			
		(GROSS) kg(lb)		49 (108)			108 (238)			/			
LAYERS LIMIT (actually)					9 (10)			1 (2)					
Operation Condition			Cool O.D.(DBT)		18°C ~ 32°C			-15°C ~ 46°C					
			Heat O.D.(DBT)		16°C ~ 30°C			-20°C ~ 24°C					
P 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

2. Ceiling Type S-125PT2E5A / U-125PE1E5A

INDOOR		MODEL	S-125PT2E5A							
PANEL		MODEL	-			-				
OUTDOOR		MODEL				U-125PE1E5A				
Branch pipe		MODEL				-				
PERFORMANCE TEST CONDITION			ISO5151 / EN14511 / EN12102							
POWER SUPPLY		ø, Hz	1ø 50Hz			1ø 50Hz				
C O O L I N 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	0.89	0.86	0.83	17.0	16.4	15.8	-
	INPUT POWER	W	110	110	110	3.620k	3.620k	3.620k	-	-
		TOTAL W	-	-	-	3.730k	3.730k	3.730k	840	4.860k
	ANNUAL CONSUMPTION	TOTAL kWh ※ 4	-			-	1865	-	-	-
	EER/EER CLASS	TOTAL(W/W)※ 5/("A"~"G")	-	-	-	3.35	3.35 / A	3.35	3.93	2.88
	Erp ※ 6	Pdsign	kW	-	-	-	-	-	-	
		SEER	(W/W)	-	-	-	-	-	-	
H E A T I N G	Annual consumption	kWh	-	-	-	-	-	-		
		Class	-	-	-	-	-	-		
	POWER FACTOR	%	-	-	-	97	96	96	-	-
	NOISE INDOOR (H/M/L)	dB-A	46/40/36							
		Power Level dB	64/58/54							
	NOISE OUTDOOR (H/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	0.89	0.86	0.83	16.0	15.4	14.9	-	-
INPUT POWER	W	110	110	110	3.400k	3.400k	3.400k	-	-	
	TOTAL W	-	-	-	3.510k	3.510k	3.510k	900	5.210k	
COP/COP CLASS	TOTAL(W/W)※ 5/("A"~"G")	-	-	-	3.99	3.99 / A	3.99	4.56	3.07	
Erp ※ 6	Pdsign	kW	-	-	-	-	-	-		
	Tbivalen	°C	-	-	-	-	-	-		
SCOP	(W/W)	-	-	-	-	-	-	-		
	Annual consumption	kWh	-	-	-	-	-	-		
Class		-	-	-	-	-	-			
POWER FACTOR	%	-	-	-	97	96	95	-	-	
NOISE INDOOR (H/M/L)	dB-A	46/40/36			-			/	/	
	Power Level dB	64/58/54			-					
NOISE OUTDOOR (H/L)	dB-A	-			53/-			/	/	
	Power Level dB	-			70/-					
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP		-							
MAX CURRENT(A)/MAX INPUT POWER(W)			0.89/110	0.86/110	0.83/110	28.0/5.98k	28.0/6.18k	28.0/6.38k	/	
STARTING CURRENT(A)/COMP OUTPUT(W)			-	-	-	17.0/3.0k	16.4/3.0k	15.8/3.0k	/	
NETWORK IMPEDANCE (ΩMAX.)			-			-				
FM OUTPUT (W)			111			90×2			/	
MOISTURE REMOVAL VOLUME		L/h(Pt/h)	7.9	(16.6)		-				
External static pressure		Pa	-							
I/D AIR FLOW	COOL	m³/min (ft³/min)	34/28/24 (1201/989/848)							
	HEAT	m³/min (ft³/min)	34/28/24 (1201/989/848)							
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 R O M	HEIGHT : H mm(inch)		235 (9-1/4)			1416 (55-3/4)			/	
	WIDTH : W mm(inch)		1590 (62-19/32)			940 (37-1/32)			/	
	DEPTH : D mm(inch)		690 (27-5/32)			340 (13-13/32)			/	
P A C M	HEIGHT : H mm		360			1556			/	
	WIDTH : W mm		1655			1055			/	
	DEPTH : D mm		820			485			/	
MASS	(NET) kg(lb)		40 (88)			98 (216)			/	
	(GROSS) kg(lb)		49 (108)			108 (238)			/	
LAYERS LIMIT (actually)			9 (10)			1 (2)				
Operation Condition		Cool O.D.(DBT)	18°C ~ 32°C			-15°C ~ 46°C				
		Heat O.D.(DBT)	16°C ~ 30°C			-20°C ~ 24°C				
P 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

2. Ceiling Type S-140PT2E5A / U-140PE1E5A

INDOOR			MODEL	S-140PT2E5A								
PANEL			MODEL	-			-					
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 O O L I N G	CAPACITY		kW	14.0	14.0	14.0				3.3	15.0	
			BTU/h	47800	47800	47800				11300	51200	
	CURRENT		A	0.94	0.91	0.88	21.2	20.5	19.8	-	-	
			W	120	120	120	4.530k	4.530k	4.530k	-	-	
	INPUT POWER		TOTAL W	-			4.650k	4.650k	4.650k	840	5.650k	
			ANNUAL CONSUMPTION	TOTAL kWh ※4	-			-	2325	-	-	-
	EER/EER CLASS		TOTAL(W/W)※5/("A"~"G")	-	-	-	3.01	3.01 / B	3.01	3.93	2.65	
			Erp ※6	Pdsign	kW	-	-	-	-	-	-	
	SEER	(W/W)		-	-	-	-	-	-			
	Annual consumption	kWh		-	-	-	-	-	-			
Class		-		-	-	-	-	-				
POWER FACTOR		%	-	-	-	97	96	96	-	-		
NOISE INDOOR (H/M/L)		dB-A	47/41/37									
		Power Level dB	65/59/55									
NOISE OUTDOOR (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	0.94	0.91	0.88	19.8	19.2	18.5	-	-	
			W	120	120	120	4.240k	4.240k	4.240k	-	-	
	INPUT POWER		TOTAL W	-			4.360k	4.360k	4.360k	900	5.930k	
			COP/COP CLASS	TOTAL(W/W)※5/("A"~"G")	-	-	-	3.67	3.67 / A	3.67	4.56	3.04
	Erp ※6	Pdsign	kW	-	-	-	-	-	-			
		Tbivalen	°C	-	-	-	-	-	-			
		SCOP	(W/W)	-	-	-	-	-	-			
		Annual consumption	kWh	-	-	-	-	-	-			
	Class		-	-	-	-	-	-	-			
		POWER FACTOR		%	-	-	-	97	96	95	-	-
		NOISE INDOOR (H/M/L)		dB-A	47/41/37						/	/
				Power Level dB	65/59/55							
	NOISE OUTDOOR (H/L)		dB-A				55/-			/	/	
			Power Level dB				71/-					
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP			-								
MAX CURRENT(A)/MAX INPUT POWER(W)				0.94/120	0.91/120	0.88/120	30.0/6.40k	30.0/6.62k	30.0/6.84k	/		
STARTING CURRENT(A)/COMP OUTPUT(W)				-	-	-	21.1/2.0k	20.5/2.0k	19.8/2.0k	/		
NETWORK IMPEDANCE (ΩMAX.)				-			-					
FM OUTPUT (W)				111			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)	35/29/25 (1236/1024/883)									
	HEAT	m³/min (ft³/min)	35/29/25 (1236/1024/883)									
O/D AIR FLOW	COOL	m³/min (ft³/min)					135	(4767)				
	HEAT	m³/min (ft³/min)					120	(4238)				
REFRIGERANT TYPE, AMOUNT g(oz)							R410A	3.40k	(119.9)	/		
P R O M	D	HEIGHT : H mm(inch)	235 (9-1/4)			1416 (55-3/4)			/			
	I	WIDTH : W mm(inch)	1590 (62-19/32)			940 (37-1/32)			/			
	M	DEPTH : D mm(inch)	690 (27-5/32)			340 (13-13/32)			/			
P A C M	D	HEIGHT : H mm	360			1556			/			
	I	WIDTH : W mm	1655			1055			/			
	M	DEPTH : D mm	820			485			/			
MASS		(NET) kg(lb)	40 (88)			98 (216)			/			
		(GROSS) kg(lb)	49 (108)			108 (238)			/			
LAYERS LIMIT (actually)				9 (10)			1 (2)					
Operation Condition			Cool O.D(DBT)	18°C ~ 32°C			-15°C ~ 46°C					
			Heat O.D(DBT)	16°C ~ 30°C			-20°C ~ 24°C					
P 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 ~ 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

2. Ceiling Type S-36PT2E5A×2 / U-71PE1E8A

INDOOR		MODEL	S-36PT2E5A×2										
PANEL		MODEL	-			-							
OUTDOOR		MODEL				U-71PE1E8A							
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 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	0.37×2	0.36×2	0.35×2	3.00	2.90	2.80	-	-			
	INPUT POWER	W	35×2	35×2	35×2	1.875k	1.875k	1.875k	-	-			
		TOTAL W	-			1.945k	1.945k	1.945k	450	2.780k			
	ANNUAL CONSUMPTION		TOTAL kWh ※4			-			-	-			
	EER/EER CLASS		TOTAL(W/W)※5("A"~"G")			-	-	-	3.65	3.65 / A	3.65	5.56	2.88
	Erp ※6	Pdsign	kW	-	-	-	-	7.1	-				
		SEER	(W/W)	-	-	-	-	5.9	-				
		Annual consumption	kWh	-	-	-	-	421	-				
Class			-	-	-	-	A+	-					
POWER FACTOR		%	-	-	-	95	93	93	-	-			
NOISE INDOOR (H/M/L)	dB-A	36/32/29											
	Power Level dB	54/50/47											
NOISE OUTDOOR (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	0.37×2	0.36×2	0.35×2	3.00	2.90	2.80	-	-			
	INPUT POWER	W	35×2	35×2	35×2	1.875k	1.875k	1.875k	-	-			
		TOTAL W	-			1.945k	1.945k	1.945k	400	2.900k			
	COP/COP CLASS		TOTAL(W/W)※5("A"~"G")			-	-	-	4.11	4.11 / A	4.11	5.00	3.10
	Erp ※6	Pdsign	kW	-	-	-	-	7.1	-				
		Tbivalen	°C	-	-	-	-	-9	-				
		SCOP	(W/W)	-	-	-	-	4.0	-				
		Annual consumption	kWh	-	-	-	-	2485	-				
Class		-	-	-	-	A+	-						
POWER FACTOR		%	-	-	-	95	93	93	-	-			
NOISE INDOOR (H/M/L)	dB-A	36/32/29						/			/		
	Power Level dB	54/50/47											
NOISE OUTDOOR (H/L)	dB-A	-						50/-			/	/	
	Power Level dB	-						67/-					
EXTRA LOW TEMP			Total CAPACITY(kW)/INPUT POWER(W)/COP			-							
MAX CURRENT(A)/MAX INPUT POWER(W)			0.37×2/35×2	0.36×2/35×2	0.35×2/35×2	7.0/4.15k	7.0/4.36k	7.0/4.53k	/				
STARTING CURRENT(A)/COMP OUTPUT(W)			-	-	-	3.00/3.0k	2.90/3.0k	2.80/3.0k	/				
NETWORK IMPEDANCE (ΩMAX.)													
FM OUTPUT (W)			43			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)	[14/12/10.5 (494/424/371)]×2										
	HEAT	m³/min (ft³/min)	[14/12/10.5 (494/424/371)]×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)	235 (9-1/4)			996 (39-7/32)			/					
R I	WIDTH : W mm(inch)	960 (37-25/32)			940 (37-1/32)			/					
O M	DEPTH : D mm(inch)	690 (27-5/32)			340 (13-13/32)			/					
P D	HEIGHT : H mm	360			1136			/					
A I	WIDTH : W mm	1025			1055			/					
C M	DEPTH : D mm	820			485			/					
MASS	(NET) kg(lb)	27 (60)			71 (157)			/					
	(GROSS) kg(lb)	34 (75)			79 (174)			/					
LAYERS LIMIT (actually)			9 (10)			2 (3)							
Operation Condition		Cool O.D(DBT)	18°C ~ 32°C			-15°C ~ 46°C							
		Heat O.D(DBT)	16°C ~ 30°C			-20°C ~ 24°C							
P I P E N 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)		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

2. Ceiling Type S-36PT2E5A×3 / U-100PE1E8A

INDOOR			MODEL		S-36PT2E5A×3								
PANEL			MODEL		-			-					
OUTDOOR			MODEL					U-100PE1E8A					
Branch pipe			MODEL					CZ-P3HPC2BM					
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		0.37×3	0.36×3	0.35×3	3.95	3.75	3.65	-	-	
			W		35×3	35×3	35×3	2.450k	2.450k	2.450k	-	-	
	INPUT POWER		TOTAL W		-			2.555k	2.555k	2.555k	840	3.850k	
			ANNUAL CONSUMPTION		TOTAL kWh ※4		-			-	1278	-	-
	EER/EER CLASS		TOTAL(W/W)※5/(A*~G*)		-	-	-	3.91	3.91 / A	3.91	3.93	3.25	
	Erp ※6	Pdsign		kW		-	-	-	-	10.0	-		
		SEER		(W/W)		-	-	-	-	6.4	-		
		Annual consumption		kWh		-	-	-	-	547	-		
Class				-	-	-	-	A++	-				
POWER FACTOR			%		-	-	-	94	94	93	-	-	
NOISE INDOOR (H/M/L)			dB-A		36/32/29								
			Power Level dB		54/50/47								
NOISE OUTDOOR (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		0.37×3	0.36×3	0.35×3	4.05	3.85	3.75	-	-	
			W		35×3	35×3	35×3	2.520k	2.520k	2.520k	-	-	
	INPUT POWER		TOTAL W		-			2.625k	2.625k	2.625k	900	4.400k	
			COP/COP CLASS		TOTAL(W/W)※5/(A*~G*)		-	-	-	4.27	4.27 / A	4.27	4.56
	Erp ※6	Pdsign		kW		-	-	-	-	10.0	-		
		Tbivalen		°C		-	-	-	-	-10	-		
		SCOP		(W/W)		-	-	-	-	4.3	-		
		Annual consumption		kWh		-	-	-	-	3256	-		
	Class				-	-	-	-	A+	-			
	POWER FACTOR			%		-	-	-	95	94	93	-	-
	NOISE INDOOR (H/M/L)			dB-A		36/32/29						/	/
				Power Level dB		54/50/47							
	NOISE OUTDOOR (H/L)			dB-A		-			52/-			/	/
Power Level dB				-			69/-						
EXTRA LOW TEMP Total CAPACITY(kW)/INPUT POWER(W)/COP					-								
MAX CURRENT(A)/MAX INPUT POWER(W)					0.37×3/35×3	0.36×3/35×3	0.35×3/35×3	9.0/5.63k	9.0/5.86k	9.0/6.02k	/		
STARTING CURRENT(A)/COMP OUTPUT(W)					-	-	-	4.05/3.0k	3.85/3.0k	3.75/3.0k	/		
NETWORK IMPEDANCE (ΩMAX.)					-			-					
FM OUTPUT (W)					43			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)		[14/12/10.5 (494/424/371)]×3								
	HEAT		m³/min (ft³/min)		[14/12/10.5 (494/424/371)]×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 R I D O M	D	HEIGHT : H mm(inch)		235 (9-1/4)			1416 (55-3/4)			/			
		WIDTH : W mm(inch)		960 (37-25/32)			940 (37-1/32)			/			
		DEPTH : D mm(inch)		690 (27-5/32)			340 (13-13/32)			/			
P A I C M	D	HEIGHT : H mm		360			1556			/			
		WIDTH : W mm		1025			1055			/			
		DEPTH : D mm		820			485			/			
MASS	(NET) kg(lb)		27 (60)			98 (216)			/				
	(GROSS) kg(lb)		34 (75)			108 (238)			/				
LAYERS LIMIT (actually)					9 (10)			1 (2)					
Operation Condition			Cool O.D.(DBT)		18°C ~ 32°C			-15°C ~ 46°C					
			Heat O.D.(DBT)		16°C ~ 30°C			-20°C ~ 24°C					
P I P E I N 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

2. Ceiling Type S-36PT2E5A×4 / U-125PE1E8A

INDOOR			MODEL		S-36PT2E5A×4								
PANEL			MODEL		-								
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 O O L I N G	CAPACITY		kW		12.5	12.5	12.5				3.3	14.0	
			BTU/h		42700	42700	42700				11300	47800	
	CURRENT		A		0.37×4	0.36×4	0.35×4	5.85	5.55	5.35	-	-	
	INPUT POWER		W		35×4	35×4	35×4	3.620k	3.620k	3.620k	-	-	
			TOTAL W		-			3.760k	3.760k	3.760k	840	4.860k	
	ANNUAL CONSUMPTION		TOTAL kWh ※4		-			-	1880	-	-	-	
	EER/EER CLASS		TOTAL(W/W)※5("A"~"G")		-	-	-	3.32	3.32 / A	3.32	3.93	2.88	
	Erp ※6	Pdsign	kW		-	-	-	-	-	-			
		SEER	(W/W)		-	-	-	-	-	-			
		Annual consumption	kWh		-	-	-	-	-	-			
Class				-	-	-	-	-	-				
POWER FACTOR			%		-	-	-	94	94	94	-	-	
NOISE INDOOR (H/M/L)			dB-A		36/32/29								
			Power Level dB		54/50/47								
NOISE OUTDOOR (H/L)			dB-A					53/-					
			Power Level dB					70/-					
H E A T I N G	CAPACITY		kW		14.0	14.0	14.0				4.1	16.0	
			BTU/h		47800	47800	47800				14000	54600	
	CURRENT		A		0.37×4	0.36×4	0.35×4	5.50	5.20	5.05	-	-	
	INPUT POWER		W		35×4	35×4	35×4	3.400k	3.400k	3.400k	-	-	
			TOTAL W		-			3.540k	3.540k	3.540k	900	5.210k	
	COP/COP CLASS		TOTAL(W/W)※5("A"~"G")		-	-	-	3.95	3.95 / A	3.95	4.56	3.07	
	Erp ※6	Pdsign	kW		-	-	-	-	-	-			
		Tbivalen	°C		-	-	-	-	-	-			
		SCOP	(W/W)		-	-	-	-	-	-			
		Annual consumption	kWh		-	-	-	-	-	-			
	POWER FACTOR		%		-	-	-	94	94	94	-	-	
	NOISE INDOOR (H/M/L)			dB-A		36/32/29						/	/
				Power Level dB		54/50/47							
	NOISE OUTDOOR (H/L)			dB-A		-			53/-			/	/
				Power Level dB		-			70/-				
EXTRA LOW TEMP					Total CAPACITY(kW)/INPUT POWER(W)/COP			-					
MAX CURRENT(A)/MAX INPUT POWER(W)					0.37×4/35×4	0.36×4/35×4	0.35×4/35×4	10.0/6.19k	10.0/6.51k	10.0/6.75k	/		
STARTING CURRENT(A)/COMP OUTPUT(W)					-	-	-	5.85/3.0k	5.55/3.0k	5.35/3.0k	/		
NETWORK IMPEDANCE (ΩMAX.)								-					
FM OUTPUT (W)					43			90×2			/		
MOISTURE REMOVAL VOLUME					L/h(Pt/h)	7.9	(1.975×4)	(16.6)	-				
External static pressure					Pa	-							
I/D AIR FLOW	COOL	m³/min (ft³/min)		[14/12/10.5 (494/424/371)]×4									
	HEAT	m³/min (ft³/min)		[14/12/10.5 (494/424/371)]×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)		235 (9-1/4)			1416 (55-3/4)			/			
R	I	WIDTH : W mm(inch)		960 (37-25/32)			940 (37-1/32)			/			
O	M	DEPTH : D mm(inch)		690 (27-5/32)			340 (13-13/32)			/			
P	D	HEIGHT : H mm		360			1556			/			
A	I	WIDTH : W mm		1025			1055			/			
C	M	DEPTH : D mm		820			485			/			
MASS		(NET) kg(lb)		27 (60)			98 (216)			/			
		(GROSS) kg(lb)		34 (75)			108 (238)			/			
LAYERS LIMIT (actually)					9 (10)			1 (2)					
Operation Condition			Cool O.D.(DBT)		18°C ~ 32°C			-15°C ~ 46°C					
			Heat O.D.(DBT)		16°C ~ 30°C			-20°C ~ 24°C					
P I P E I N 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

2. Ceiling Type S-45PT2E5A×3 / U-125PE1E8A

INDOOR			MODEL		S-45PT2E5A×3							
PANEL			MODEL		-			-				
OUTDOOR			MODEL					U-125PE1E8A				
Branch pipe			MODEL					CZ-P3HPC2BM				
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		12.5	12.5	12.5				3.3	14.0
			BTU/h		42700	42700	42700				11300	47800
	CURRENT		A		0.39×3	0.38×3	0.37×3	5.85	5.55	5.53	-	-
			W		40×3	40×3	40×3	3.620k	3.620k	3.620k	-	-
	INPUT POWER				-			3.740k	3.740k	3.740k	840	4.860k
			TOTAL W									
	ANNUAL CONSUMPTION		TOTAL kWh ※4		-			-	1870	-	-	-
	EER/EER CLASS		TOTAL(W/W)※5/("A"~"G")		-	-	-	3.34	3.34 / A	3.34	3.93	2.88
	Erp ※6	Pdsign	kW		-	-	-	-	-	-		
		SEER	(W/W)		-	-	-	-	-	-		
Annual consumption		kWh		-	-	-	-	-	-			
Class				-	-	-	-	-	-			
POWER FACTOR		%		-	-	-	94	94	94	-	-	
NOISE INDOOR (H/M/L)		dB-A		37/33/29								
		Power Level dB		55/51/47								
NOISE OUTDOOR (H/L)		dB-A					53/-					
		Power Level dB					70/-					
H E A T I N G	CAPACITY		kW		14.0	14.0	14.0				4.1	16.0
			BTU/h		47800	47800	47800				14000	54600
	CURRENT		A		0.39×3	0.38×3	0.37×3	5.50	5.20	5.05	-	-
			W		40×3	40×3	40×3	3.400k	3.400k	3.400k	-	-
	INPUT POWER				-			3.520k	3.520k	3.520k	900	5.210k
			TOTAL W									
	COP/COP CLASS		TOTAL(W/W)※5/("A"~"G")		-	-	-	3.98	3.98 / A	3.98	4.56	3.07
	Erp ※6	Pdsign	kW		-	-	-	-	-	-		
		Tbivalen	°C		-	-	-	-	-	-		
		SCOP	(W/W)		-	-	-	-	-	-		
		Annual consumption	kWh		-	-	-	-	-	-		
	POWER FACTOR	%		-	-	-	-	-	-	-		
				-	-	-	-	-	-	-		
	NOISE INDOOR (H/M/L)		dB-A		37/33/29						/	
Power Level dB			55/51/47									
NOISE OUTDOOR (H/L)		dB-A		-			53/-			/		
		Power Level dB		-			70/-					
EXTRA LOW TEMP Total CAPACITY(kW)/INPUT POWER(W)/COP					-							
MAX CURRENT(A)/MAX INPUT POWER(W)					0.39×3/40×3	0.38×3/40×3	0.37×3/40×3	10.0/6.19k	10.0/6.51k	10.0/6.75k	/	
STARTING CURRENT(A)/COMP OUTPUT(W)					-	-	-	5.85/3.0k	5.55/3.0k	5.35/3.0k	/	
NETWORK IMPEDANCE (ΩMAX.)												
FM OUTPUT (W)					43			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)		[15/12.5/10.5 (530/441/371)]×3								
	HEAT	m³/min (ft³/min)		[15/12.5/10.5 (530/441/371)]×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 R O M	D	HEIGHT : H mm(inch)		235 (9-1/4)			1416 (55-3/4)			/		
	I	WIDTH : W mm(inch)		960 (37-25/32)			940 (37-1/32)			/		
	M	DEPTH : D mm(inch)		690 (27-5/32)			340 (13-13/32)			/		
P A C M	D	HEIGHT : H mm		360			1556			/		
	I	WIDTH : W mm		1025			1055			/		
	M	DEPTH : D mm		820			485			/		
MASS	(NET) kg(lb)		27 (60)			98 (216)			/			
	(GROSS) kg(lb)		34 (75)			108 (238)			/			
LAYERS LIMIT (actually)					9 (10)			1 (2)				
Operation Condition			Cool O.D(DBT)		18°C ~ 32°C			-15°C ~ 46°C				
			Heat O.D(DBT)		16°C ~ 30°C			-20°C ~ 24°C				
P I P E N G	PIPE DIAMETER mm (inch)				(Liquid)ø6.35(1/4) (Gas)ø12.7(1/2)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)				
	CONNECT METHOD, STD LENGTH m (ft)				flared type, 5.0(16.4)			flared type, 5.0(16.4)				
	PIPE LENGTH RANGE m (ft)				5 ~ 75 (16.4 ~ 246.1)						~ ~	
	I/D&O/D HEIGHT DIFFERENCE m (ft)				15 (OD located lower) / 30 (OD located higher)			(49.2/98.4)				
	ADD GAS AMOUNT g/m (oz/ft)				50 (0.538)							
PIPE LENGTH FOR ADDITIONAL GAS m (ft)					20 (65.6)							

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

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

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

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

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

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

1 Simultaneous (Twin) -Type

1-1. Unit Specifications

PE1

2. Ceiling Type S-50PT2E5A×2 / U-100PE1E8A

INDOOR			MODEL	S-50PT2E5A×2							
PANEL			MODEL	-			-				
OUTDOOR			MODEL				U-100PE1E8A				
Branch pipe			MODEL				CZ-P155BK1				
PERFORMANCE TEST CONDITION				ISO5151 / EN14511 / EN14825 / EN12102							
POWER SUPPLY			ø, Hz	1ø 50Hz			3ø 50Hz			Min	Max
			V	220	230	240	380	400	415		
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	0.39×2	0.38×2	0.37×2	3.95	3.75	3.65	-	-
	INPUT POWER		W	40×2	40×2	40×2	2.450k	2.450k	2.450k	-	-
			TOTAL W	-			2.530k	2.530k	2.530k	840	3.850k
	ANNUAL CONSUMPTION		TOTAL kWh ※4	-			-	1265	-	-	-
	EER/EER CLASS		TOTAL(W/W)※5/("A"~"G")	-	-	-	3.95	3.95 / A	3.95	3.93	3.25
	Erp ※6	Pdsign	kW	-	-	-	-	10.0	-		
		SEER	(W/W)	-	-	-	-	6.4	-		
		Annual consumption	kWh	-	-	-	-	547	-		
		Class		-	-	-	-	A++	-		
	POWER FACTOR			%	-	-	-	94	94	93	-
NOISE INDOOR (H/M/L)			dB-A	37/33/29							
			Power Level dB	55/51/47							
NOISE OUTDOOR (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	0.39×2	0.38×2	0.37×2	4.05	3.85	3.75	-	-
	INPUT POWER		W	40×2	40×2	40×2	2.520k	2.520k	2.520k	-	-
			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 ※6	Pdsign	kW	-	-	-	-	10.0	-		
		Tbivalen	°C	-	-	-	-	-10	-		
		SCOP	(W/W)	-	-	-	-	4.3	-		
		Annual consumption	kWh	-	-	-	-	3256	-		
		Class		-	-	-	-	A+	-		
	POWER FACTOR			%	-	-	-	95	94	93	-
NOISE INDOOR (H/M/L)			dB-A	37/33/29						/	/
			Power Level dB	55/51/47							
NOISE OUTDOOR (H/L)			dB-A				52/-			/	/
			Power Level dB				69/-				
EXTRA LOW TEMP			Total CAPACITY(kW)/INPUT POWER(W)/COP			-					
MAX CURRENT(A)/MAX INPUT POWER(W)			0.39×2/40×2	0.38×2/40×2	0.37×2/40×2	9.0/5.63k	9.0/5.86k	9.0/6.02k		/	
STARTING CURRENT(A)/COMP OUTPUT(W)			-	-	-	4.05/3.0k	3.85/3.0k	3.75/3.0k		/	
NETWORK IMPEDANCE (ΩMAX.)						-					
FM OUTPUT (W)			43			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)	[15/12.5/10.5 (530/441/371)]×2								
	HEAT	m³/min (ft³/min)	[15/12.5/10.5 (530/441/371)]×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)		235 (9-1/4)			1416 (55-3/4)				/	
R I	WIDTH : W mm(inch)		960 (37-25/32)			940 (37-1/32)				/	
O M	DEPTH : D mm(inch)		690 (27-5/32)			340 (13-13/32)				/	
P D	HEIGHT : H mm		360			1556				/	
A I	WIDTH : W mm		1025			1055				/	
C M	DEPTH : D mm		820			485				/	
MASS	(NET) kg(lb)		27 (60)			98 (216)				/	
	(GROSS) kg(lb)		34 (75)			108 (238)				/	
LAYERS LIMIT (actually)			9 (10)			1 (2)					
Operation Condition			Cool O.D(DBT)	18°C ~ 32°C			-15°C ~ 46°C				
			Heat O.D(DBT)	16°C ~ 30°C			-20°C ~ 24°C				
P I P I N 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

2. Ceiling Type S-50PT2E5A×3 / U-140PE1E8A

INDOOR			MODEL		S-50PT2E5A×3										
PANEL			MODEL		-			-							
OUTDOOR			MODEL					U-140PE1E8A							
Branch pipe			MODEL					CZ-P3HPC2BM							
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	15.0			
			BTU/h		47800	47800	47800				11300	51200			
	CURRENT		A		0.39×3	0.38×3	0.37×3	7.30	6.95	6.70	-	-			
	INPUT POWER		W		40×3	40×3	40×3	4.530k	4.530k	4.530k	-	-			
			TOTAL W		-			4.650k	4.650k	4.650k	840	5.650k			
	ANNUAL CONSUMPTION		TOTAL kWh ※4		-			-	2325	-	-	-			
	EER/EER CLASS		TOTAL(W/W)※5/("A"~"G")		-	-	-	3.01	3.01 / B	3.01	3.93	2.65			
	Erp ※6	Pdsign		kW		-	-	-	-	-	-				
		SEER		(W/W)		-	-	-	-	-	-				
		Annual consumption		kWh		-	-	-	-	-	-				
Class				-	-	-	-	-	-						
POWER FACTOR			%		-	-	-	94	94	94	-	-			
NOISE INDOOR (H/M/L)			dB-A		37/33/29										
			Power Level dB		55/51/47										
NOISE OUTDOOR (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		0.39×3	0.38×3	0.37×3	6.85	6.50	6.25	-	-			
	INPUT POWER		W		40×3	40×3	40×3	4.240k	4.240k	4.240k	-	-			
			TOTAL W		-			4.360k	4.360k	4.360k	900	5.930k			
	COP/COP CLASS		TOTAL(W/W)※5/("A"~"G")		-	-	-	3.67	3.67 / A	3.67	4.56	3.04			
	Erp ※6	Pdsign		kW		-	-	-	-	-	-				
		Tbivalen		°C		-	-	-	-	-	-				
		SCOP		(W/W)		-	-	-	-	-	-				
		Annual consumption		kWh		-	-	-	-	-	-				
	Class				-	-	-	-	-	-	-				
	POWER FACTOR			%		-	-	-	94	94	94	-	-		
	NOISE INDOOR (H/M/L)			dB-A		37/33/29						/	/		
				Power Level dB		55/51/47									
NOISE OUTDOOR (H/L)			dB-A		-			55/-			/	/			
			Power Level dB					71/-							
EXTRA LOW TEMP Total CAPACITY(kW)/INPUT POWER(W)/COP					-										
MAX CURRENT(A)/MAX INPUT POWER(W)					0.39×3/40×3	0.38×3/40×3	0.37×3/40×3	11.0/6.81k	11.0/7.16k	11.0/7.43k	/				
STARTING CURRENT(A)/COMP OUTPUT(W)					-	-	-	7.30/3.0k	6.95/3.0k	6.70/3.0k	/				
NETWORK IMPEDANCE (ΩMAX.)					-										
FM OUTPUT (W)					43							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)		[15/12.5/10.5 (530/441/371)]×3										
	HEAT		m³/min (ft³/min)		[15/12.5/10.5 (530/441/371)]×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 R O M	D I M	HEIGHT : H mm(inch)			235 (9-1/4)							1416 (55-3/4)	/		
		WIDTH : W mm(inch)			960 (37-25/32)							940 (37-1/32)	/		
		DEPTH : D mm(inch)			690 (27-5/32)							340 (13-13/32)	/		
P A C M	I D M	HEIGHT : H mm			360							1556	/		
		WIDTH : W mm			1025							1055	/		
		DEPTH : D mm			820							485	/		
MASS			(NET) kg(lb)			27 (60)							98 (216)	/	
			(GROSS) kg(lb)			34 (75)							108 (238)	/	
LAYERS LIMIT (actually)					9 (10)							1 (2)			
Operation Condition			Cool O.D.(DBT)		18°C ~ 32°C							-15°C ~ 46°C			
			Heat O.D.(DBT)		16°C ~ 30°C							-20°C ~ 24°C			
P I P E I N 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

2. Ceiling Type S-60PT2E5A×2 / U-125PE1E8A

INDOOR			MODEL		S-60PT2E5A×2								
PANEL			MODEL		-								
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 O O L I N G	CAPACITY		kW		12.5	12.5	12.5				3.3	14.0	
			BTU/h		42700	42700	42700				11300	47800	
	CURRENT		A		0.42×2	0.41×2	0.40×2	5.85	5.55	5.35	-	-	
	INPUT POWER		W		50×2	50×2	50×2	3.630k	3.630k	3.630k	-	-	
			TOTAL W		-			3.730k	3.730k	3.730k	840	4.860k	
	ANNUAL CONSUMPTION		TOTAL kWh ※4		-			-	1865	-	-	-	
	EER/EER CLASS		TOTAL(W/W)※5("A"~"G")		-	-	-	3.35	3.35 / A	3.35	3.93	2.88	
	Erp ※6	Pdsign	kW		-	-	-	-	-	-			
		SEER	(W/W)		-	-	-	-	-	-			
		Annual consumption	kWh		-	-	-	-	-	-			
Class				-	-	-	-	-	-				
POWER FACTOR			%		-	-	-	94	94	94	-	-	
NOISE INDOOR (H/M/L)			dB-A		38/34/30								
			Power Level dB		56/52/48								
NOISE OUTDOOR (H/L)			dB-A					53/-					
			Power Level dB					70/-					
H E A T I N G	CAPACITY		kW		14.0	14.0	14.0				4.1	14.0	
			BTU/h		47800	47800	47800				14000	54600	
	CURRENT		A		0.42×2	0.41×2	0.40×2	5.50	5.25	5.05	-	-	
	INPUT POWER		W		50×2	50×2	50×2	3.410k	3.410k	3.410k	-	-	
			TOTAL W		-			3.510k	3.510k	3.510k	900	5.210k	
	COP/COP CLASS		TOTAL(W/W)※5("A"~"G")		-	-	-	3.99	3.99 / A	3.99	4.56	3.07	
	Erp ※6	Pdsign	kW		-	-	-	-	-	-			
		Tbivalen	°C		-	-	-	-	-	-			
		SCOP	(W/W)		-	-	-	-	-	-			
		Annual consumption	kWh		-	-	-	-	-	-			
		Class			-	-	-	-	-	-			
		POWER FACTOR			%		-	-	-	94	94	94	-
	NOISE INDOOR (H/M/L)			dB-A		38/34/30						/	/
				Power Level dB		56/52/48							
	NOISE OUTDOOR (H/L)			dB-A		-			53/-			/	/
Power Level dB				-			70/-						
EXTRA LOW TEMP					Total CAPACITY(kW)/INPUT POWER(W)/COP					-			
MAX CURRENT(A)/MAX INPUT POWER(W)					0.42×2/50×2	0.41×2/50×2	0.40×2/50×2	10.0/6.19k	10.0/6.51k	10.0/6.75k	/		
STARTING CURRENT(A)/COMP OUTPUT(W)					-	-	-	5.85/3.0k	5.55/3.0k	5.35/3.0k	/		
NETWORK IMPEDANCE (ΩMAX.)								-					
FM OUTPUT (W)					74			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)		[20/17/14.5 (706/600/512)]×2									
	HEAT	m³/min (ft³/min)		[20/17/14.5 (706/600/512)]×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)		235 (9-1/4)			1416 (55-3/4)			/				
R I	WIDTH : W mm(inch)		1275 (50-3/16)			940 (37-1/32)			/				
O M	DEPTH : D mm(inch)		690 (27-5/32)			340 (13-13/32)			/				
P D	HEIGHT : H mm		360			1556			/				
A I	WIDTH : W mm		1340			1055			/				
C M	DEPTH : D mm		820			485			/				
MASS	(NET) kg(lb)		33 (73)			98 (216)			/				
	(GROSS) kg(lb)		42 (93)			108 (238)			/				
LAYERS LIMIT (actually)					9 (10)			1 (2)					
Operation Condition			Cool O.D.(DBT)		18°C ~ 32°C			-15°C ~ 46°C					
			Heat O.D.(DBT)		16°C ~ 30°C			-20°C ~ 24°C					
P I P E N G	PIPE DIAMETER mm (inch)				(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)					
	CONNECT METHOD, STD LENGTH m (ft)				flared type, 5.0(16.4)			flared type, 5.0(16.4)					
	PIPE LENGTH RANGE m (ft)				5 ~ 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

2. Ceiling Type S-71PT2E5A / U-71PE1E8A

INDOOR			MODEL		S-71PT2E5A								
PANEL			MODEL		-			-					
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 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		0.45	0.44	0.43	3.00	2.90	2.80	-	-	
	INPUT POWER		W		55	55	55	1.875k	1.875k	1.875k	-	-	
			TOTAL W		-			1.930k	1.930k	1.930k	450	2.780k	
	ANNUAL CONSUMPTION		TOTAL kWh ※4		-			-	965	-	-	-	
	EER/EER CLASS		TOTAL(W/W)※5/("A"~"G")		-	-	-	3.68	3.68 / A	3.68	5.56	2.88	
	Erp ※6	Pdsign		kW		-	-	-	-	7.1	-		
		SEER		(W/W)		-	-	-	-	5.9	-		
		Annual consumption		kWh		-	-	-	-	421	-		
		Class				-	-	-	-	A+	-		
	POWER FACTOR			%		-	-	-	95	93	93	-	-
	NOISE INDOOR (H/M/L)			dB-A		39/35/31							
				Power Level dB		57/53/49							
NOISE OUTDOOR (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		0.45	0.44	0.43	3.00	2.90	2.80	-	-	
	INPUT POWER		W		55	55	55	1.875k	1.875k	1.875k	-	-	
			TOTAL W		-			1.930k	1.930k	1.930k	400	2.900k	
	COP/COP CLASS		TOTAL(W/W)※5/("A"~"G")		-	-	-	4.15	4.15 / A	4.15	5.00	3.10	
	Erp ※6	Pdsign		kW		-	-	-	-	7.1	-		
		Tbivalen		°C		-	-	-	-	-9	-		
		SCOP		(W/W)		-	-	-	-	4.0	-		
		Annual consumption		kWh		-	-	-	-	2485	-		
	Class				-	-	-	-	A+	-			
	POWER FACTOR			%		-	-	-	95	93	93	-	-
	NOISE INDOOR (H/M/L)			dB-A		39/35/31						/	/
				Power Level dB		57/53/49							
NOISE OUTDOOR (H/L)			dB-A		-			50/-			/	/	
			Power Level dB		-			67/-					
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP				-								
MAX CURRENT(A)/MAX INPUT POWER(W)					0.45/55	0.44/55	0.43/55	7.0/4.15k	7.0/4.36k	7.0/4.53k	/		
STARTING CURRENT(A)/COMP OUTPUT(W)					-	-	-	3.00/2.0k	2.90/2.0k	2.80/2.0k	/		
NETWORK IMPEDANCE (ΩMAX.)					-			-					
FM OUTPUT (W)					74			90			/		
MOISTURE REMOVAL VOLUME			L/h(Pt/h)		4.2	(8.8)		-					
External static pressure			Pa		-								
I/D AIR FLOW	COOL		m³/min (ft³/min)		21/18/15.5 (742/636/547)								
	HEAT		m³/min (ft³/min)		21/18/15.5 (742/636/547)								
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 I M	HEIGHT : H mm(inch)		235 (9-1/4)			996 (39-7/32)			/			
		WIDTH : W mm(inch)		1275 (50-3/16)			940 (37-1/32)			/			
		DEPTH : D mm(inch)		690 (27-5/32)			340 (13-13/32)			/			
P A C M	I D M	HEIGHT : H mm		360			1136			/			
		WIDTH : W mm		1340			1055			/			
		DEPTH : D mm		820			485			/			
MASS	(NET) kg(lb)		33 (73)			71 (157)			/				
	(GROSS) kg(lb)		42 (93)			79 (174)			/				
LAYERS LIMIT (actually)					9 (10)			2 (3)					
Operation Condition			Cool O.D.(DBT)		18°C ~ 32°C			-15°C ~ 46°C					
			Heat O.D.(DBT)		16°C ~ 30°C			-20°C ~ 24°C					
P 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)						~ ~				
	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

2. Ceiling Type S-71PT2E5A×2 / U-140PE1E8A

INDOOR			MODEL		S-71PT2E5A×2								
PANEL			MODEL		-								
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 O O L I N G	CAPACITY		kW		14.0	14.0	14.0				3.3	15.0	
			BTU/h		47800	47800	47800				11300	51200	
	CURRENT		A		0.45×2	0.44×2	0.43×2	7.30	6.95	6.70	-	-	
	INPUT POWER		W		55×2	55×2	55×2	4.540k	4.540k	4.540k	-	-	
			TOTAL W		-			4.650k	4.650k	4.650k	840	5.650k	
	ANNUAL CONSUMPTION		TOTAL kWh ※4		-			-	2325	-	-	-	
	EER/EER CLASS		TOTAL(W/W)※5/("A"-°G)		-	-	-	3.01	3.01 / B	3.01	3.93	2.65	
	Erp ※6	Pdsign	kW		-	-	-	-	-	-			
		SEER	(W/W)		-	-	-	-	-	-			
		Annual consumption	kWh		-	-	-	-	-	-			
Class				-	-	-	-	-	-				
POWER FACTOR			%		-	-	-	94	94	94	-	-	
NOISE INDOOR (H/M/L)			dB-A		39/35/31								
			Power Level dB		57/53/49								
NOISE OUTDOOR (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		0.45×2	0.44×2	0.43×2	6.85	6.50	6.30	-	-	
	INPUT POWER		W		55×2	55×2	55×2	4.250k	4.250k	4.250k	-	-	
			TOTAL W		-			4.360k	4.360k	4.360k	900	5.930k	
	COP/COP CLASS		TOTAL(W/W)※5/("A"-°G)		-	-	-	3.67	3.67 / A	3.67	4.56	3.04	
	Erp ※6	Pdsign	kW		-	-	-	-	-	-			
		Tbivalen	°C		-	-	-	-	-	-			
		SCOP	(W/W)		-	-	-	-	-	-			
		Annual consumption	kWh		-	-	-	-	-	-			
		Class			-	-	-	-	-	-			
		POWER FACTOR			%		-	-	-	94	94	94	-
	NOISE INDOOR (H/M/L)			dB-A		39/35/31						/	/
				Power Level dB		57/53/49							
	NOISE OUTDOOR (H/L)			dB-A		-			55/-			/	/
Power Level dB				-			71/-						
EXTRA LOW TEMP					Total CAPACITY(kW)/INPUT POWER(W)/COP					-			
MAX CURRENT(A)/MAX INPUT POWER(W)					0.45×2/55×2	0.44×2/55×2	0.43×2/55×2	11.0/6.81k	11.0/7.16k	11.0/7.43k			
STARTING CURRENT(A)/COMP OUTPUT(W)					-	-	-	7.30/3.0k	6.95/3.0k	6.70/3.0k			
NETWORK IMPEDANCE (ΩMAX.)													
FM OUTPUT (W)					74			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)		[21/18/15.5 (742/636/547)]×2									
	HEAT	m³/min (ft³/min)		[21/18/15.5 (742/636/547)]×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)		235 (9-1/4)			1416 (55-3/4)							
	WIDTH : W mm(inch)		1275 (50-3/16)			940 (37-1/32)							
R I	DEPTH : D mm(inch)		690 (27-5/32)			340 (13-13/32)							
P D	HEIGHT : H mm		360			1556							
	WIDTH : W mm		1340			1055							
A I	DEPTH : D mm		820			485							
C M	(NET) kg(lb)		33 (73)			98 (216)							
	(GROSS) kg(lb)		42 (93)			108 (238)							
LAYERS LIMIT (actually)					9 (10)			1 (2)					
Operation Condition			Cool O.D(DBT)		18°C ~ 32°C			-15°C ~ 46°C					
			Heat O.D(DBT)		16°C ~ 30°C			-20°C ~ 24°C					
P 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 ~ 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

2. Ceiling Type S-100PT2E5A / U-100PE1E8A

INDOOR			MODEL		S-100PT2E5A								
PANEL			MODEL		-			-					
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		0.69	0.67	0.65	3.95	3.75	3.65	-	-	
	INPUT POWER		W		80	80	80	2.450k	2.450k	2.450k	-	-	
			TOTAL W		-			2.530k	2.530k	2.530k	840	3.850k	
	ANNUAL CONSUMPTION		TOTAL kWh ※4		-			-	1265	-	-	-	
	EER/EER CLASS		TOTAL(W/W)※5/("A"~"G")		-	-	-	3.95	3.95 / A	3.95	3.93	3.25	
	Erp ※6	Pdsign		kW		-	-	-	-	10.0	-		
		SEER		(W/W)		-	-	-	-	6.6	-		
		Annual consumption		kWh		-	-	-	-	531	-		
		Class				-	-	-	-	A++	-		
POWER FACTOR			%		-	-	-	94	94	93	-	-	
NOISE INDOOR (H/M/L)			dB-A		42/37/35								
			Power Level dB		60/55/53								
NOISE OUTDOOR (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		0.69	0.67	0.65	4.05	3.85	3.75	-	-	
	INPUT POWER		W		80	80	80	2.520k	2.520k	2.520k	-	-	
			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 ※6	Pdsign		kW		-	-	-	-	10.0	-		
		Tbivalen		°C		-	-	-	-	-10	-		
		SCOP		(W/W)		-	-	-	-	4.3	-		
		Annual consumption		kWh		-	-	-	-	3256	-		
	Class				-	-	-	-	A+	-			
	POWER FACTOR			%		-	-	-	95	94	93	-	-
	NOISE INDOOR (H/M/L)			dB-A		42/37/35						/	/
				Power Level dB		60/55/53							
	NOISE OUTDOOR (H/L)			dB-A		-			52/-			/	/
Power Level dB				-			69/-						
EXTRA LOW TEMP		Total CAPACITY(kW)/INPUT POWER(W)/COP				-							
MAX CURRENT(A)/MAX INPUT POWER(W)					0.69/80	0.67/80	0.65/80	9.0/5.63k	9.0/5.86k	9.0/6.02k	/		
STARTING CURRENT(A)/COMP OUTPUT(W)					-	-	-	4.05/3.0k	3.85/3.0k	3.75/3.0k	/		
NETWORK IMPEDANCE (ΩMAX.)					-			-					
FM OUTPUT (W)					111			90×2			/		
MOISTURE REMOVAL VOLUME			L/h(Pt/h)		6.0	(12.6)		-					
External static pressure			Pa		-								
I/D AIR FLOW	COOL		m³/min (ft³/min)		30/25/23 (1059/883/812)								
	HEAT		m³/min (ft³/min)		30/25/23 (1059/883/812)								
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	D I M	HEIGHT : H mm(inch)			235 (9-1/4)			1416 (55-3/4)			/		
		WIDTH : W mm(inch)			1590 (62-19/32)			940 (37-1/32)			/		
		DEPTH : D mm(inch)			690 (27-5/32)			340 (13-13/32)			/		
P A C M	D I M	HEIGHT : H mm			360			1556			/		
		WIDTH : W mm			1655			1055			/		
		DEPTH : D mm			820			485			/		
MASS			(NET) kg(lb)			40 (88)			98 (216)			/	
			(GROSS) kg(lb)			49 (108)			108 (238)			/	
LAYERS LIMIT (actually)					9 (10)			1 (2)					
Operation Condition			Cool O.D.(DBT)		18°C ~ 32°C			-15°C ~ 46°C					
			Heat O.D.(DBT)		16°C ~ 30°C			-20°C ~ 24°C					
P 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

2. Ceiling Type S-125PT2E5A / U-125PE1E8A

INDOOR			MODEL		S-125PT2E5A								
PANEL			MODEL		-								
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 O O L I N G	CAPACITY		kW		12.5	12.5	12.5				3.3	14.0	
			BTU/h		42700	42700	42700				11300	47800	
	CURRENT		A		0.89	0.86	0.83	5.85	5.55	5.35	-	-	
			W		110	110	110	3.620k	3.620k	3.620k	-	-	
	INPUT POWER		TOTAL W		-			3.730k	3.730k	3.730k	840	4.860k	
			TOTAL kWh ※4		-			-	1865	-	-	-	-
	EER/EER CLASS		TOTAL(W/W)※5("A"~"G")		-	-	-	3.35	3.35 / A	3.35	3.93	2.88	
	Erp ※6	Pdsign	kW		-	-	-	-	-	-			
		SEER	(W/W)		-	-	-	-	-	-			
		Annual consumption	kWh		-	-	-	-	-	-			
Class				-	-	-	-	-	-				
POWER FACTOR			%		-	-	-	94	94	94	-	-	
NOISE INDOOR (H/M/L)			dB-A		46/40/36								
			Power Level dB		64/58/54								
NOISE OUTDOOR (H/L)			dB-A					53/-					
			Power Level dB					70/-					
H E A T I N G	CAPACITY		kW		14.0	14.0	14.0				4.1	16.0	
			BTU/h		47800	47800	47800				14000	54600	
	CURRENT		A		0.89	0.86	0.83	5.50	5.20	5.05	-	-	
			W		110	110	110	3.400k	3.400k	3.400k	-	-	
	INPUT POWER		TOTAL W		-			3.510k	3.510k	3.510k	900	5.210k	
			TOTAL(W/W)※5("A"~"G")		-	-	-	3.99	3.99 / A	3.99	4.56	3.07	
	Erp ※6	Pdsign	kW		-	-	-	-	-	-			
		Tbivalen	°C		-	-	-	-	-	-			
		SCOP	(W/W)		-	-	-	-	-	-			
		Annual consumption	kWh		-	-	-	-	-	-			
	Class			-	-	-	-	-	-	-			
	POWER FACTOR			%		-	-	-	94	94	94	-	-
	NOISE INDOOR (H/M/L)			dB-A		46/40/36						/	/
				Power Level dB		64/58/54							
NOISE OUTDOOR (H/L)			dB-A		-			53/-			/	/	
			Power Level dB		-			70/-					
EXTRA LOW TEMP			Total CAPACITY(kW)/INPUT POWER(W)/COP		-								
MAX CURRENT(A)/MAX INPUT POWER(W)			0.89/110		0.86/110	0.83/110	10.0/6.19k	10.0/6.51k	10.0/6.75k	/			
STARTING CURRENT(A)/COMP OUTPUT(W)			-		-	-	5.85/3.0k	5.55/3.0k	5.35/3.0k	/			
NETWORK IMPEDANCE (ΩMAX.)					-			-					
FM OUTPUT (W)					111			90×2			/		
MOISTURE REMOVAL VOLUME			L/h(Pt/h)		7.9 (16.6)			-					
External static pressure			Pa		-								
I/D AIR FLOW	COOL	m³/min (ft³/min)		34/28/24 (1201/989/848)									
	HEAT	m³/min (ft³/min)		34/28/24 (1201/989/848)									
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 R O M	D	HEIGHT : H mm(inch)		235 (9-1/4)			1416 (55-3/4)			/			
	I	WIDTH : W mm(inch)		1590 (62-19/32)			940 (37-1/32)			/			
	M	DEPTH : D mm(inch)		690 (27-5/32)			340 (13-13/32)			/			
P A C M	D	HEIGHT : H mm		360			1556			/			
	I	WIDTH : W mm		1655			1055			/			
	M	DEPTH : D mm		820			485			/			
MASS	(NET) kg(lb)		40 (88)			98 (216)			/				
	(GROSS) kg(lb)		49 (108)			108 (238)			/				
LAYERS LIMIT (actually)			9 (10)			1 (2)							
Operation Condition			Cool O.D(DBT)		18°C ~ 32°C			-15°C ~ 46°C					
			Heat O.D(DBT)		16°C ~ 30°C			-20°C ~ 24°C					
P 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 ~ 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

2. Ceiling Type S-140PT2E5A / U-140PE1E8A

INDOOR			MODEL	S-140PT2E5A							
PANEL			MODEL	-			-				
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	15.0
			BTU/h	47800	47800	47800				11300	51200
	CURRENT		A	0.94	0.91	0.88	7.30	6.95	6.70	-	-
	INPUT POWER		W	120	120	120	4.530k	4.530k	4.530k	-	-
			TOTAL W	-			4.650k	4.650k	4.650k	840	5.650k
	ANNUAL CONSUMPTION		TOTAL kWh ※4	-			-	2325	-	-	-
	EER/EER CLASS		TOTAL(W/W)※5/("A"~"G")	-	-	-	3.01	3.01 / B	3.01	3.93	2.65
	Erp ※6	Pdsign	kW	-	-	-	-	-	-		
		SEER	(W/W)	-	-	-	-	-	-		
		Annual consumption	kWh	-	-	-	-	-	-		
		Class	-	-	-	-	-	-	-		
	POWER FACTOR		%	-	-	-	94	94	94	-	-
	NOISE INDOOR (H/M/L)		dB-A	47/41/37							
Power Level dB			65/59/55								
NOISE OUTDOOR (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	0.94	0.91	0.88	6.85	6.50	6.25	-	-
	INPUT POWER		W	120	120	120	4.240k	4.240k	4.240k	-	-
			TOTAL W	-			4.360k	4.360k	4.360k	900	5.930k
	COP/COP CLASS		TOTAL(W/W)※5/("A"~"G")	-	-	-	3.67	3.67 / A	3.67	4.56	3.04
	Erp ※6	Pdsign	kW	-	-	-	-	-	-		
		Tbivalen	°C	-	-	-	-	-	-		
		SCOP	(W/W)	-	-	-	-	-	-		
		Annual consumption	kWh	-	-	-	-	-	-		
	Class	-	-	-	-	-	-	-	-		
		POWER FACTOR		%	-	-	-	94	94	94	-
	NOISE INDOOR (H/M/L)		dB-A	47/41/37			-			/	
			Power Level dB	65/59/55			-				
	NOISE OUTDOOR (H/L)		dB-A	-			55/-			/	
Power Level dB			-			71/-					
EXTRA LOW TEMP Total CAPACITY(kW)/INPUT POWER(W)/COP			-								
MAX CURRENT(A)/MAX INPUT POWER(W)			0.94/120	0.91/120	0.88/120	11.0/6.81k	11.0/7.16k	11.0/7.43k	/		
STARTING CURRENT(A)/COMP OUTPUT(W)			-	-	-	7.30/3.0k	6.95/3.0k	6.70/3.0k	/		
NETWORK IMPEDANCE (ΩMAX.)			-			-					
FM OUTPUT (W)			111			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)	35/29/25 (1236/1024/883)								
	HEAT	m³/min (ft³/min)	35/29/25 (1236/1024/883)								
O/D AIR FLOW	COOL	m³/min (ft³/min)				135	(4767)				
	HEAT	m³/min (ft³/min)				120	(4238)				
REFRIGERANT TYPE, AMOUNT g(oz)						R410A	3.40k	(119.9)	/		
P R I D O M	D	HEIGHT : H mm(inch)	235 (9-1/4)			1416 (55-3/4)			/		
		WIDTH : W mm(inch)	1590 (62-19/32)			940 (37-1/32)			/		
		DEPTH : D mm(inch)	690 (27-5/32)			340 (13-13/32)			/		
P A C M	D	HEIGHT : H mm	360			1556			/		
		WIDTH : W mm	1655			1055			/		
		DEPTH : D mm	820			485			/		
MASS	(NET) kg(lb)	40 (88)			98 (216)			/			
	(GROSS) kg(lb)	49 (108)			108 (238)			/			
LAYERS LIMIT (actually)			9 (10)			1 (2)					
Operation Condition			Cool O.D(DBT)	18°C ~ 32°C			-15°C ~ 46°C				
			Heat O.D(DBT)	16°C ~ 30°C			-20°C ~ 24°C				
P 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

2. Ceiling Type S-36PT2E5A×2 / U-71PEY1E5

INDOOR			MODEL		S-36PT2E5A×2								
PANEL			MODEL										
OUTDOOR			MODEL					U-71PEY1E5					
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 O O L I N G	CAPACITY		kW		7.1	7.1	7.1				2.0	7.7	
			BTU/h		24200	24200	24200				6800	26300	
	CURRENT		A		0.37×2	0.36×2	0.35×2	10.8	10.3	9.85	-	-	
	INPUT POWER		W		35×2	35×2	35×2	2.155k	2.155k	2.155k	-	-	
			TOTAL W					2.225k	2.225k	2.225k	325	2.820k	
	ANNUAL CONSUMPTION		TOTAL kWh ※4					-	1113	-	-	-	
	EER/EER CLASS		TOTAL(W/W)※5("A"~"G")		-	-	-	3.19	3.19 / B	3.19	6.15	2.73	
	Erp ※6	Pdsign		kW		-	-	-	-	7.1	-		
		SEER		(W/W)		-	-	-	-	6.1	-		
		Annual consumption		kWh		-	-	-	-	408	-		
		Class				-	-	-	-	A++	-		
POWER FACTOR			%		-	-	-	91	91	91	-	-	
NOISE INDOOR (H/M/L)			dB-A		36/32/29								
			Power Level dB		54/50/47								
NOISE OUTDOOR (H/L)			dB-A					50/-					
			Power Level dB					70/-					
H E A T I N G	CAPACITY		kW		7.1	7.1	7.1				1.8	8.1	
			BTU/h		24200	24200	24200				6100	27600	
	CURRENT		A		0.37×2	0.36×2	0.35×2	8.75	8.35	8.00	-	-	
	INPUT POWER		W		35×2	35×2	35×2	1.765k	1.765k	1.765k	-	-	
			TOTAL W					1.835k	1.835k	1.835k	275	2.510k	
	COP/COP CLASS		TOTAL(W/W)※5("A"~"G")		-	-	-	3.87	3.87 / A	3.87	6.55	3.23	
	Erp ※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 (H/M/L)			dB-A		36/32/29						/	/
				Power Level dB		54/50/47							
	NOISE OUTDOOR (H/L)			dB-A					52/-			/	/
Power Level dB							70/-						
EXTRA LOW TEMP			Total CAPACITY(kW)/INPUT POWER(W)/COP										
MAX CURRENT(A)/MAX INPUT POWER(W)			0.37×2/35×2		0.36×2/35×2		0.35×2/35×2		18.0/3.60k	18.0/3.77k	18.0/3.93k	/	
STARTING CURRENT(A)/COMP OUTPUT(W)			-		-		-		10.8/1.0k	10.3/1.0k	9.85/1.0k	/	
NETWORK IMPEDANCE (ΩMAX.)													
FM OUTPUT (W)					43				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)		[14/12/10.5 (494/424/371)]×2								
	HEAT		m³/min (ft³/min)		[14/12/10.5 (494/424/371)]×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 R O M	D I M	HEIGHT : H mm(inch)		235 (9-1/4)			569 (22-13/32)					/	
		WIDTH : W mm(inch)		960 (37-25/32)			790 (31-7/64)					/	
		DEPTH : D mm(inch)		690 (27-5/32)			285 (11-7/32)					/	
P A C M	D I M	HEIGHT : H mm		360			645					/	
		WIDTH : W mm		1025			921					/	
		DEPTH : D mm		820			386					/	
MASS		(NET) kg(lb)		27 (60)			42 (93)					/	
		(GROSS) kg(lb)		34 (75)			46 (101)					/	
LAYERS LIMIT (actually)			9 (10)			4 (5)							
Operation Condition		Cool O.D.(DBT)		18°C ~ 32°C			-10°C ~ 43°C						
		Heat O.D.(DBT)		16°C ~ 30°C			-15°C ~ 24°C						
P I P E N G	PIPE DIAMETER mm (inch)		(Liquid)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)		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

2. Ceiling Type S-50PT2E5A×2 / U-100PEY1E5

INDOOR			MODEL		S-50PT2E5A×2								
PANEL			MODEL										
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 O O L I N G	CAPACITY		kW		10.0	10.0	10.0			2.7	11.5		
			BTU/h		34100	34100	34100			9200	39200		
	CURRENT		A		0.39×2	0.38×2	0.37×2	15.6	15.0	14.4	-	-	
	INPUT POWER		W		40×2	40×2	40×2	3.240k	3.240k	3.240k	-	-	
			TOTAL W				-	3.320k	3.320k	3.320k	530	4.340k	
	ANNUAL CONSUMPTION		TOTAL kWh ※4				-	-	1660	-	-	-	-
	EER/EER CLASS		TOTAL(W/W)※5("A"~"G")		-	-	-	3.01	3.01 / B	3.01	5.09	2.65	
	Erp ※6	Pdsign		kW		-	-	-	-	10.0	-		
		SEER		(W/W)		-	-	-	-	5.9	-		
		Annual consumption		kWh		-	-	-	-	594	-		
		Class				-	-	-	-	A+	-		
POWER FACTOR			%		-	-	-	94	94	94	-	-	
NOISE INDOOR (H/M/L)			dB-A		37/33/29				-				
			Power Level dB		55/51/47				-				
NOISE OUTDOOR (H/L)			dB-A						54/-				
			Power Level dB						70/-				
H E A T I N G	CAPACITY		kW		10.0	10.0	10.0			2.1	13.8		
			BTU/h		34100	34100	34100			7200	47100		
	CURRENT		A		0.39×2	0.38×2	0.37×2	11.9	11.5	11.1	-	-	
	INPUT POWER		W		40×2	40×2	40×2	2.520k	2.520k	2.520k	-	-	
			TOTAL W				-	2.600k	2.600k	2.600k	410	4.000k	
	COP/COP CLASS		TOTAL(W/W)※5("A"~"G")		-	-	-	3.85	3.85 / A	3.85	5.12	3.45	
	Erp ※6	Pdsign		kW		-	-	-	-	10.0	-		
		Tbivalen		°C		-	-	-	-	-7	-		
		SCOP		(W/W)		-	-	-	-	3.9	-		
		Annual consumption		kWh		-	-	-	-	3590	-		
		Class				-	-	-	-	A	-		
	POWER FACTOR			%		-	-	-	96	95	95	-	-
	NOISE INDOOR (H/M/L)			dB-A		37/33/29				-		/	/
				Power Level dB		55/51/47				-			
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)					0.39×2/40×2	0.38×2/40×2	0.37×2/40×2	25.0/5.17k	25.0/5.41k	25.0/5.64k	/		
STARTING CURRENT(A)/COMP OUTPUT(W)					-	-	-	15.6/1.7k	15.0/1.7k	14.4/1.7k	/		
NETWORK IMPEDANCE (ΩMAX.)													
FM OUTPUT (W)					43			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)		[15/12.5/10.5 (530/441/371)]×2								
	HEAT		m³/min (ft³/min)		[15/12.5/10.5 (530/441/371)]×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)		235 (9-1/4)			996 (39-7/32)			/			
R	I	WIDTH : W mm(inch)		960 (37-25/32)			940 (37-1/32)			/			
O	M	DEPTH : D mm(inch)		690 (27-5/32)			340 (13-13/32)			/			
P	D	HEIGHT : H mm		360			1136			/			
A	I	WIDTH : W mm		1025			1055			/			
C	M	DEPTH : D mm		820			485			/			
MASS		(NET) kg(lb)		27 (60)			73 (161)			/			
		(GROSS) kg(lb)		34 (75)			81 (179)			/			
LAYERS LIMIT (actually)					9 (10)			2 (3)					
Operation Condition			Cool O.D.(DBT)		18°C ~ 32°C			-10°C ~ 43°C					
			Heat O.D.(DBT)		16°C ~ 30°C			-15°C ~ 24°C					
P I P E I N G	PIPE DIAMETER mm (inch)				(Liquid)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

2. Ceiling Type S-60PT2E5A / U-60PEY1E5

INDOOR			MODEL		S-60PT2E5A								
PANEL			MODEL										
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 O O L I N G	CAPACITY		kW		6.0	6.0	6.0				2.0	7.0	
			BTU/h		20500	20500	20500				6800	23900	
	CURRENT		A		0.42	0.41	0.40	8.05	7.70	7.40	-	-	
	INPUT POWER		W		50	50	50	1.610k	1.610k	1.610k	-	-	
			TOTAL W					1.660k	1.660k	1.660k	325	2.500k	
	ANNUAL CONSUMPTION		TOTAL kWh ※4					-	830	-	-	-	
	EER/EER CLASS		TOTAL(W/W)※5("A"~"G")		-	-	-	3.61	3.61 / A	3.61	6.15	2.80	
	Erp ※6	Pdsign	kW		-	-	-	-	6.0	-			
		SEER	(W/W)		-	-	-	-	6.7	-			
		Annual consumption	kWh		-	-	-	-	314	-			
		Class			-	-	-	-	A++	-			
	POWER FACTOR		%		-	-	-	91	91	91	-	-	
	NOISE INDOOR (H/M/L)		dB-A		38/34/30								
			Power Level dB		56/52/48								
NOISE OUTDOOR (H/L)		dB-A					46/-						
		Power Level dB					65/-						
H E A T I N G	CAPACITY		kW		6.0	6.0	6.0				1.8	7.0	
			BTU/h		20500	20500	20500				6100	23900	
	CURRENT		A		0.42	0.41	0.40	6.90	6.60	6.30	-	-	
	INPUT POWER		W		50	50	50	1.380k	1.380k	1.380k	-	-	
			TOTAL W					1.430k	1.430k	1.430k	275	2.155k	
	COP/COP CLASS		TOTAL(W/W)※5("A"~"G")		-	-	-	4.20	4.20 / A	4.20	6.55	3.25	
	Erp ※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 (H/M/L)		dB-A		38/34/30						/	/
				Power Level dB		56/52/48							
NOISE OUTDOOR (H/L)		dB-A					50/-			/	/		
		Power Level dB					69/-						
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP												
MAX CURRENT(A)/MAX INPUT POWER(W)					0.42/50	0.41/50	0.40/50	18.0/3.60k	18.0/3.77k	18.0/3.93k	/		
STARTING CURRENT(A)/COMP OUTPUT(W)					-	-	-	8.05/1.0k	7.70/1.0k	7.40/1.0k	/		
NETWORK IMPEDANCE (ΩMAX.)													
FM OUTPUT (W)					74			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)		20/17/14.5 (706/600/512)									
FLOW	HEAT	m³/min (ft³/min)		20/17/14.5 (706/600/512)									
O/D AIR FLOW	COOL	m³/min (ft³/min)					30		(1059)				
FLOW	HEAT	m³/min (ft³/min)					35		(1236)				
REFRIGERANT TYPE, AMOUNT g(oz)								R410A	1.70k	(60.0)	/		
P D	HEIGHT : H mm(inch)		235 (9-1/4)			569 (22-13/32)			/				
R I	WIDTH : W mm(inch)		1275 (50-3/16)			790 (31-7/64)			/				
O M	DEPTH : D mm(inch)		690 (27-5/32)			285 (11-7/32)			/				
P D	HEIGHT : H mm		360			645			/				
A I	WIDTH : W mm		1340			921			/				
C M	DEPTH : D mm		820			386			/				
MASS	(NET) kg(lb)		33 (73)			42 (93)			/				
	(GROSS) kg(lb)		42 (93)			46 (101)			/				
LAYERS LIMIT (actually)					9 (10)			4 (5)					
Operation Condition			Cool O.D(DBT)		18°C ~ 32°C			-10°C ~ 43°C					
			Heat O.D(DBT)		16°C ~ 30°C			-15°C ~ 24°C					
P I P E I N G	PIPE DIAMETER mm (inch)		(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)				(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)						
	CONNECT METHOD, STD LENGTH m (ft)		flared type, 5.0(16.4)				flared type, 5.0(16.4)						
	PIPE LENGTH RANGE m (ft)		5 ~ 50 (16.4 ~ 164.0)								~	~	
	I/D&O/D HEIGHT DIFFERENCE m (ft)		15 (OD located lower) / 30 (OD located higher)				(49.2/98.4)						
	ADD GAS AMOUNT g/m (oz/ft)		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.

Simultaneous (Twin) -Type

1-1. Unit Specifications

PEY1

2. Ceiling Type S-60PT2E5A×2 / U-125PEY1E5

INDOOR			MODEL		S-60PT2E5A×2						
PANEL			MODEL								
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	
C O O L I N G	CAPACITY		kW		12.5	12.5	12.5				
			BTU/h		42700	42700	42700				
	CURRENT		A		0.42×2	0.41×2	0.40×2	19.7	18.9	18.1	
			W		50×2	50×2	50×2	4.050k	4.050k	4.050k	
	INPUT POWER		TOTAL W		-			4.150k	4.150k	4.150k	
			TOTAL kWh ※4		-			-	2075	-	
	ANNUAL CONSUMPTION		TOTAL(W/W)※5("A"~"G")		-	-	-	3.01	3.01 / B	3.01	
	EER/EER CLASS				-	-	-	-	-	-	
	Erp ※6	Pdsign	kW		-	-	-	-	-	-	
		SEER	(W/W)		-	-	-	-	-	-	
H E A T I N G	Annual consumption	kWh		-	-	-	-	-	-		
		Class		-	-	-	-	-	-		
	POWER FACTOR		%		-	-	-	93	93		
	NOISE INDOOR (H/M/L)		dB-A		38/34/30			-			
			Power Level dB		56/52/48			-			
	NOISE OUTDOOR (H/L)		dB-A					56/-			
			Power Level dB					73/-			
	CAPACITY		kW		12.5	12.5	12.5				
			BTU/h		42700	42700	42700				
	CURRENT		A		0.42×2	0.41×2	0.40×2	15.2	14.6	13.9	
INPUT POWER		W		50×2	50×2	50×2	3.150k	3.150k	3.150k		
		TOTAL W		-			3.250k	3.250k	3.250k		
COP/COP CLASS		TOTAL(W/W)※5("A"~"G")		-	-	-	3.85	3.85 / A	3.85		
Erp ※6	Pdsign	kW		-	-	-	-	-	-		
	Tbivalen	°C		-	-	-	-	-	-		
	SCOP	(W/W)		-	-	-	-	-	-		
	Annual consumption	kWh		-	-	-	-	-	-		
H E A T I N G	POWER FACTOR	%		-	-	-	94	94	94		
		dB-A		38/34/30			-				
	NOISE INDOOR (H/M/L)		Power Level dB		56/52/48			-			
			dB-A		-			56/-			
	NOISE OUTDOOR (H/L)		Power Level dB		-			73/-			
	EXTRA LOW TEMP					Total CAPACITY(kW)/INPUT POWER(W)/COP					
	MAX CURRENT(A)/MAX INPUT POWER(W)					0.42×2/50×2	0.41×2/50×2	0.40×2/50×2	29.0/5.93k	29.0/6.20k	29.0/6.47k
	STARTING CURRENT(A)/COMP OUTPUT(W)					-	-	-	19.7/3.0k	18.9/3.0k	18.1/3.0k
	NETWORK IMPEDANCE (ΩMAX.)										
FM OUTPUT (W)					74						
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)		[20/17/14.5 (706/600/512)]×2							
	HEAT	m³/min (ft³/min)		[20/17/14.5 (706/600/512)]×2							
O/D AIR FLOW	COOL	m³/min (ft³/min)									
	HEAT	m³/min (ft³/min)									
REFRIGERANT TYPE, AMOUNT g(oz)					R410A 3.20k (112.9)						
P	D	HEIGHT : H mm(inch)		235 (9-1/4)							
R	I	WIDTH : W mm(inch)		1275 (50-3/16)							
O	M	DEPTH : D mm(inch)		690 (27-5/32)							
P	D	HEIGHT : H mm		360							
A	I	WIDTH : W mm		1340							
C	M	DEPTH : D mm		820							
MASS		(NET) kg(lb)		33 (73)							
		(GROSS) kg(lb)		42 (93)							
LAYERS LIMIT (actually)					9 (10)						
Operation Condition			Cool O.D(DBT)		18°C ~ 32°C						
			Heat O.D(DBT)		16°C ~ 30°C						
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

2. Ceiling Type S-71PT2E5A / U-71PEY1E5

INDOOR			MODEL		S-71PT2E5A								
PANEL			MODEL										
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 O O L I N G	CAPACITY		kW		7.1	7.1	7.1				2.0	7.7	
			BTU/h		24200	24200	24200				6800	26300	
	CURRENT		A		0.45	0.44	0.43	10.8	10.3	9.85	-	-	
	INPUT POWER		W		55	55	55	2.155k	2.155k	2.155k	-	-	
			TOTAL W					2.210k	2.210k	2.210k	325	2.820k	
	ANNUAL CONSUMPTION		TOTAL kWh ※4					-	1105	-	-	-	
	EER/EER CLASS		TOTAL(W/W)※5/("A"~"G")		-	-	-	3.21	3.21 / A	3.21	6.15	2.73	
	Erp ※6	Pdsign	kW		-	-	-	-	7.1	-			
		SEER	(W/W)		-	-	-	-	6.1	-			
		Annual consumption	kWh		-	-	-	-	408	-			
		Class			-	-	-	-	A++	-			
POWER FACTOR			%		-	-	-	91	91	91	-	-	
NOISE INDOOR (H/M/L)			dB-A		39/35/31								
			Power Level dB		57/53/49								
NOISE OUTDOOR (H/L)			dB-A					50/-					
			Power Level dB					70/-					
H E A T I N G	CAPACITY		kW		7.1	7.1	7.1				1.8	8.1	
			BTU/h		24200	24200	24200				6100	27600	
	CURRENT		A		0.45	0.44	0.43	8.75	8.35	8.00	-	-	
	INPUT POWER		W		55	55	55	1.765k	1.765k	1.765k	-	-	
			TOTAL W					1.820k	1.820k	1.820k	275	2.510k	
	COP/COP CLASS		TOTAL(W/W)※5/("A"~"G")		-	-	-	3.90	3.90 / A	3.90	6.55	3.23	
	Erp ※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 (H/M/L)			dB-A		39/35/31						/	/
				Power Level dB		57/53/49							
	NOISE OUTDOOR (H/L)			dB-A					52/-			/	/
Power Level dB							70/-						
EXTRA LOW TEMP Total CAPACITY(kW)/INPUT POWER(W)/COP					-								
MAX CURRENT(A)/MAX INPUT POWER(W)					0.45/55	0.44/55	0.43/55	18.0/3.60k	18.0/3.77k	18.0/3.93k	/		
STARTING CURRENT(A)/COMP OUTPUT(W)					-	-	-	10.8/1.0k	10.3/1.0k	9.85/1.0k	/		
NETWORK IMPEDANCE (ΩMAX.)													
FM OUTPUT (W)					74			90			/		
MOISTURE REMOVAL VOLUME L/h(Pt/h)					4.2	(8.8)							
External static pressure			Pa										
I/D AIR FLOW	COOL	m³/min (ft³/min)		21/18/15.5 (742/636/547)									
	HEAT	m³/min (ft³/min)		21/18/15.5 (742/636/547)									
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 R O M	D	HEIGHT : H mm(inch)		235 (9-1/4)			569 (22-13/32)			/			
	I	WIDTH : W mm(inch)		1275 (50-3/16)			790 (31-7/64)			/			
	M	DEPTH : D mm(inch)		690 (27-5/32)			285 (11-7/32)			/			
P A C M	D	HEIGHT : H mm		360			645			/			
	I	WIDTH : W mm		1340			921			/			
	M	DEPTH : D mm		820			386			/			
MASS			(NET) kg(lb)	33 (73)			42 (93)			/			
			(GROSS) kg(lb)	42 (93)			46 (101)			/			
LAYERS LIMIT (actually)					9 (10)			4 (5)					
Operation Condition			Cool O.D(DBT)		18°C ~ 32°C			-10°C ~ 43°C					
			Heat O.D(DBT)		16°C ~ 30°C			-15°C ~ 24°C					
P I P E N G	PIPE DIAMETER mm (inch)				(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)					
	CONNECT METHOD, STD LENGTH m (ft)				flared type, 5.0(16.4)			flared type, 5.0(16.4)					
	PIPE LENGTH RANGE m (ft)				5 ~ 50 (16.4 ~ 164.0)						~	~	
	I/D&O/D HEIGHT DIFFERENCE m (ft)				15 (OD located lower) / 30 (OD located higher)			(49.2/98.4)					
	ADD GAS AMOUNT g/m (oz/ft)				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.

Single -Type

1-1. Unit Specifications

PEY1

2. Ceiling Type S-100PT2E5A / U-100PEY1E5

INDOOR		MODEL	S-100PT2E5A								
PANEL		MODEL									
OUTDOOR		MODEL				U100PEY1E5					
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	10.0	10.0	10.0				2.7	11.5	
		BTU/h	34100	34100	34100				9200	39200	
	CURRENT	A	0.69	0.67	0.65	15.6	15.0	14.4	-	-	
	INPUT POWER	W	80	80	80	3.240k	3.240k	3.240k	-	-	
		TOTAL W	-			3.320k	3.320k	3.320k	530	4.340k	
	ANNUAL CONSUMPTION	TOTAL kWh ※4	-			-	1660	-	-	-	
	EER/EER CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.01	3.01 / B	3.01	5.09	2.65	
	Erp ※6	Pdsign	kW	-	-	-	-	10.0	-		
		SEER	(W/W)	-	-	-	-	6.1	-		
	H E A T I N G	CAPACITY	kW	10.0	10.0	10.0				2.1	13.8
			BTU/h	34100	34100	34100				7200	47100
CURRENT		A	0.69	0.67	0.65	11.9	11.5	11.1	-	-	
INPUT POWER		W	80	80	80	2.520k	2.520k	2.520k	-	-	
		TOTAL W	-			2.600k	2.600k	2.600k	410	4.000k	
COP/COP CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	3.85	3.85 / A	3.85	5.12	3.45	
Erp ※6		Pdsign	kW	-	-	-	-	10.0	-		
		Tbivalen	°C	-	-	-	-	-7	-		
SCOP		(W/W)	-	-	-	-	-	3.9	-		
		Annual consumption	kWh	-	-	-	-	3590	-		
P I P E I N G		CLASS		-	-	-	-	A++	-		
			-	-	-	-	A++	-			
	POWER FACTOR	%	-	-	-	94	94	94	-	-	
	NOISE INDOOR (H/M/L)	dB-A	42/37/35			-			-	-	
		Power Level dB	60/55/53			-			-	-	
	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	0.69	0.67	0.65	11.9	11.5	11.1	-	-	
	INPUT POWER	W	80	80	80	2.520k	2.520k	2.520k	-	-	
TOTAL W	-			2.600k	2.600k	2.600k	410	4.000k			
COP/COP CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.85	3.85 / A	3.85	5.12	3.45		
Erp ※6	Pdsign	kW	-	-	-	-	10.0	-			
Tbivalen	°C	-	-	-	-	-7	-				
SCOP	(W/W)	-	-	-	-	-	3.9	-			
Annual consumption	kWh	-	-	-	-	-	3590	-			
CLASS		-	-	-	-	-	A	-			
POWER FACTOR	%	-	-	-	96	95	95	-	-		
NOISE INDOOR (H/M/L)	dB-A	42/37/35			-			/	/		
	Power Level dB	60/55/53			-						
NOISE OUTDOOR (H/L)	dB-A	-			54/-			/	/		
	Power Level dB	-			70/-						
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP				-						
MAX CURRENT(A)/MAX INPUT POWER(W)		0.69/80	0.67/80	0.65/80	25.0/5.17k	25.0/5.41k	25.0/5.64k	/			
STARTING CURRENT(A)/COMP OUTPUT(W)		-	-	-	15.6/1.7k	15.0/1.7k	14.4/1.7k	/			
NETWORK IMPEDANCE (ΩMAX.)					-						
FM OUTPUT (W)		111			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)	30/25/23 (1059/883/812)								
	HEAT	m³/min (ft³/min)	30/25/23 (1059/883/812)								
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)	235 (9-1/4)			996 (39-7/32)			/			
R I	WIDTH : W mm(inch)	1590 (62-19/32)			940 (37-1/32)			/			
O M	DEPTH : D mm(inch)	690 (27-5/32)			340 (13-13/32)			/			
P D	HEIGHT : H mm	360			1136			/			
A I	WIDTH : W mm	1655			1055			/			
C M	DEPTH : D mm	820			485			/			
MASS	(NET) kg(lb)	40 (88)			73 (161)			/			
	(GROSS) kg(lb)	49 (108)			81 (179)			/			
LAYERS LIMIT (actually)		9 (10)			2 (3)						
Operation Condition	Cool O.D.(DBT)	18°C ~ 32°C			-10°C ~ 43°C						
	Heat O.D.(DBT)	16°C ~ 30°C			-15°C ~ 24°C						
P I P E I N G	PIPE DIAMETER mm (inch)		(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)					
	CONNECT METHOD, STD LENGTH m (ft)		flared type, 5.0(16.4)			flared type, 5.0(16.4)					
	PIPE LENGTH RANGE m (ft)		5 ~ 50 (16.4 ~ 164.0)						~	~	
	I/D&O/D HEIGHT DIFFERENCE m (ft)		15 (OD located lower) / 30 (OD located higher)			(49.2/98.4)					
	ADD GAS AMOUNT g/m (oz/ft)		50 (0.538)								
PIPE LENGTH FOR ADDITIONAL GAS m (ft)		30 (98.4)									

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

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

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

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

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

Single -Type

1-1. Unit Specifications

PEY1

2. Ceiling Type S-125PT2E5A / U-125PEY1E5

INDOOR			MODEL		S-125PT2E5A								
PANEL			MODEL										
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 O O L I N G	CAPACITY		kW		12.5	12.5	12.5				3.8	13.5	
			BTU/h		42700	42700	42700				13000	46100	
	CURRENT		A		0.89	0.86	0.83	19.7	18.9	18.1	-	-	
	INPUT POWER		W		110	110	110	4.040k	4.040k	4.040k	-	-	
			TOTAL W					4.150k	4.150k	4.150k	900	5.160k	
	ANNUAL CONSUMPTION		TOTAL kWh ※4					-	2075	-	-	-	
	EER/EER CLASS		TOTAL(W/W)※5/("A"~"G")		-	-	-	3.01	3.01 / B	3.01	4.22	2.62	
	Erp ※6	Pdsign	kW		-	-	-	-	-	-			
		SEER	(W/W)		-	-	-	-	-	-			
		Annual consumption	kWh		-	-	-	-	-	-			
		Class			-	-	-	-	-	-			
POWER FACTOR		%		-	-	-	93	93	93	-	-		
NOISE INDOOR (H/M/L)		dB-A		46/40/36									
		Power Level dB		64/58/54									
NOISE OUTDOOR (H/L)		dB-A					56/-						
		Power Level dB					73/-						
H E A T I N G	CAPACITY		kW		12.5	12.5	12.5				3.4	15.0	
			BTU/h		42700	42700	42700				11600	51200	
	CURRENT		A		0.89	0.86	0.83	15.2	14.6	13.9	-	-	
	INPUT POWER		W		110	110	110	3.140k	3.140k	3.140k	-	-	
			TOTAL W					3.250k	3.250k	3.250k	730	4.400k	
	COP/COP CLASS		TOTAL(W/W)※5/("A"~"G")		-	-	-	3.85	3.85 / A	3.85	4.66	3.41	
	Erp ※6	Pdsign	kW		-	-	-	-	-	-			
		Tbivalen	°C		-	-	-	-	-	-			
		SCOP	(W/W)		-	-	-	-	-	-			
		Annual consumption	kWh		-	-	-	-	-	-			
	POWER FACTOR		%		-	-	-	94	94	94	-	-	
	NOISE INDOOR (H/M/L)		dB-A		46/40/36						/	/	
			Power Level dB		64/58/54								
	NOISE OUTDOOR (H/L)		dB-A					56/-			/	/	
			Power Level dB					73/-					
EXTRA LOW TEMP Total CAPACITY(kW)/INPUT POWER(W)/COP					-								
MAX CURRENT(A)/MAX INPUT POWER(W)					0.89/110	0.86/110	0.83/110	29.0/5.93k	29.0/6.20k	29.0/6.47k	/		
STARTING CURRENT(A)/COMP OUTPUT(W)					-	-	-	19.7/3.0k	18.9/3.0k	18.1/3.0k	/		
NETWORK IMPEDANCE (ΩMAX.)													
FM OUTPUT (W)					111			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)		34/28/24 (1201/989/848)									
	HEAT	m³/min (ft³/min)		34/28/24 (1201/989/848)									
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 R I M	D	HEIGHT : H mm(inch)		235 (9-1/4)			996 (39-7/32)			/			
	I	WIDTH : W mm(inch)		1590 (62-19/32)			940 (37-1/32)			/			
	M	DEPTH : D mm(inch)		690 (27-5/32)			340 (13-13/32)			/			
P A I R C O N D	D	HEIGHT : H mm		360			1136			/			
	I	WIDTH : W mm		1655			1055			/			
	M	DEPTH : D mm		820			485			/			
MASS	(NET) kg(lb)		40 (88)			85 (187)			/				
	(GROSS) kg(lb)		49 (108)			93 (205)			/				
LAYERS LIMIT (actually)					9 (10)			2 (3)					
Operation Condition			Cool O.D(DBT)		18°C ~ 32°C			-10°C ~ 43°C					
			Heat O.D(DBT)		16°C ~ 30°C			-15°C ~ 24°C					
P I P E I N G	PIPE DIAMETER mm (inch)				(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)					
	CONNECT METHOD, STD LENGTH m (ft)				flared type, 5.0(16.4)			flared type, 5.0(16.4)					
	PIPE LENGTH RANGE m (ft)				5 ~ 50 (16.4 ~ 164.0)						~ ~		
	I/D&O/D HEIGHT DIFFERENCE m (ft)				15 (OD located lower) / 30 (OD located higher)			(49.2/98.4)					
	ADD GAS AMOUNT g/m (oz/ft)				50 (0.538)								
PIPE LENGTH FOR ADDITIONAL GAS m (ft)					30 (98.4)								

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

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

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

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

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

Simultaneous (Twin) -Type

1-1. Unit Specifications

PEY1

2. Ceiling Type S-50PT2E5A×2 / U-100PEY1E8

INDOOR			MODEL		S-50PT2E5A×2								
PANEL			MODEL										
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 O O L I N G	CAPACITY		kW		10.0	10.0	10.0				2.7	11.5	
			BTU/h		34100	34100	34100				9200	39200	
	CURRENT		A		0.39×2	0.38×2	0.37×2	5.30	5.05	4.85	-	-	
	INPUT POWER		W		40×2	40×2	40×2	3.240k	3.240k	3.240k	-	-	
			TOTAL W		-			3.320k	3.320k	3.320k	530	4.340k	
	ANNUAL CONSUMPTION		TOTAL kWh ※4		-			-	1660	-	-	-	
	EER/EER CLASS		TOTAL(W/W)※5("A"~"G")		-	-	-	3.01	3.01 / B	3.01	5.09	2.65	
	Erp ※6	Pdsign	kW		-	-	-	-	10.0	-			
		SEER	(W/W)		-	-	-	-	5.8	-			
		Annual consumption	kWh		-	-	-	-	604	-			
Class				-	-	-	-	A+	-				
POWER FACTOR			%		-	-	-	93	93	93	-	-	
NOISE INDOOR (H/M/L)			dB-A		37/33/29			-			-	-	
			Power Level dB		55/51/47			-			-	-	
NOISE OUTDOOR (H/L)			dB-A					54/-			-	-	
			Power Level dB					70/-			-	-	
H E A T I N G	CAPACITY		kW		10.0	10.0	10.0				2.1	13.8	
			BTU/h		34100	34100	34100				7200	47100	
	CURRENT		A		0.39×2	0.38×2	0.37×2	4.10	3.90	3.75	-	-	
	INPUT POWER		W		40×2	40×2	40×2	2.520k	2.520k	2.520k	-	-	
			TOTAL W		-			2.600k	2.600k	2.600k	410	4.000k	
	COP/COP CLASS		TOTAL(W/W)※5("A"~"G")		-	-	-	3.85	3.85 / A	3.85	5.12	3.45	
	Erp ※6	Pdsign	kW		-	-	-	-	10.0	-			
		Tbivalen	°C		-	-	-	-	-7	-			
		SCOP	(W/W)		-	-	-	-	3.9	-			
		Annual consumption	kWh		-	-	-	-	3590	-			
	POWER FACTOR	%		-	-	-	-	93	93	93	-	-	
		NOISE INDOOR (H/M/L)			dB-A		37/33/29			-			/
	Power Level dB				55/51/47			-					
	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)					0.39×2/40×2	0.38×2/40×2	0.37×2/40×2	9.0/5.51k	9.0/5.80k	9.0/6.02k	/		
STARTING CURRENT(A)/COMP OUTPUT(W)					-	-	-	5.30/1.7k	5.05/1.7k	4.85/1.7k	/		
NETWORK IMPEDANCE (ΩMAX.)													
FM OUTPUT (W)					43			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)		[15/12.5/10.5 (530/441/371)]×2								
	HEAT		m³/min (ft³/min)		[15/12.5/10.5 (530/441/371)]×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)		235 (9-1/4)			996 (39-7/32)			/			
R	I	WIDTH : W mm(inch)		960 (37-25/32)			940 (37-1/32)			/			
O	M	DEPTH : D mm(inch)		690 (27-5/32)			340 (13-13/32)			/			
P	D	HEIGHT : H mm		360			1136			/			
A	I	WIDTH : W mm		1025			1055			/			
C	M	DEPTH : D mm		820			485			/			
MASS	(NET) kg(lb)		27 (60)			73 (161)			/				
	(GROSS) kg(lb)		34 (75)			81 (179)			/				
LAYERS LIMIT (actually)					9 (10)			2 (3)					
Operation Condition			Cool O.D.(DBT)		18°C ~ 32°C			-10°C ~ 43°C					
			Heat O.D.(DBT)		16°C ~ 30°C			-15°C ~ 24°C					
P I P I N 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 (Twin) -Type

1-1. Unit Specifications

PEY1

2. Ceiling Type S-60PT2E5A×2 / U-125PEY1E8

INDOOR			MODEL		S-60PT2E5A×2								
PANEL			MODEL										
OUTDOOR			MODEL					U-125PEY1E8					
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 O O L I N G	CAPACITY		kW		12.5	12.5	12.5			3.8	13.5		
			BTU/h		42700	42700	42700			13000	46100		
	CURRENT		A		0.42×2	0.41×2	0.40×2	6.55	6.20	6.00	-	-	
			W		50×2	50×2	50×2	4.050k	4.050k	4.050k	-	-	
	INPUT POWER		TOTAL W					4.150k	4.150k	4.150k	900	5.160k	
			ANNUAL CONSUMPTION		TOTAL kWh ※4					-	2075	-	-
	EER/EER CLASS		TOTAL(W/W)※5/("A"~"G")		-	-	-	3.01	3.01 / B	3.01	4.22	2.62	
			Pdsign		kW		-	-	-	-	-	-	-
	Erp ※6	SEER		(W/W)		-	-	-	-	-	-	-	
		Annual consumption		kWh		-	-	-	-	-	-	-	
		Class				-	-	-	-	-	-		
POWER FACTOR			%		-	-	-	94	94	94	-	-	
NOISE INDOOR (H/M/L)			dB-A		38/34/30								
			Power Level dB		56/52/48								
NOISE OUTDOOR (H/L)			dB-A					56/-					
			Power Level dB					73/-					
H E A T I N G	CAPACITY		kW		12.5	12.5	12.5			3.4	15.0		
			BTU/h		42700	42700	42700			11600	51200		
	CURRENT		A		0.42×2	0.41×2	0.40×2	5.10	4.85	4.65	-	-	
			W		50×2	50×2	50×2	3.150k	3.150k	3.150k	-	-	
	INPUT POWER		TOTAL W					3.250k	3.250k	3.250k	730	4.400k	
			COP/COP CLASS		TOTAL(W/W)※5/("A"~"G")		-	-	-	3.85	3.85 / A	3.85	4.66
	Erp ※6	Pdsign		kW		-	-	-	-	-	-		
		Tbivalen		°C		-	-	-	-	-	-		
		SCOP		(W/W)		-	-	-	-	-	-		
		Annual consumption		kWh		-	-	-	-	-	-		
		Class				-	-	-	-	-			
POWER FACTOR			%		-	-	-	94	94	94	-	-	
NOISE INDOOR (H/M/L)			dB-A		38/34/30							/	/
			Power Level dB		56/52/48								
NOISE OUTDOOR (H/L)			dB-A					56/-				/	/
			Power Level dB					73/-					
EXTRA LOW TEMP			Total CAPACITY(kW)/INPUT POWER(W)/COP										
MAX CURRENT(A)/MAX INPUT POWER(W)			0.42×2/50×2		0.41×2/50×2		0.40×2/50×2		10.0/6.19k	10.0/6.51k	10.0/6.75k	/	
STARTING CURRENT(A)/COMP OUTPUT(W)			-		-		-		6.55/3.0k	6.20/3.0k	6.00/3.0k	/	
NETWORK IMPEDANCE (ΩMAX.)													
FM OUTPUT (W)					74				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)		[20/17/14.5 (706/600/512)]×2								
	HEAT		m³/min (ft³/min)		[20/17/14.5 (706/600/512)]×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 R O M	D I M	HEIGHT : H mm(inch)		235 (9-1/4)				996 (39-7/32)				/	
		WIDTH : W mm(inch)		1275 (50-3/16)				940 (37-1/32)				/	
		DEPTH : D mm(inch)		690 (27-5/32)				340 (13-13/32)				/	
P A C M	I D M	HEIGHT : H mm		360				1136				/	
		WIDTH : W mm		1340				1055				/	
		DEPTH : D mm		820				485				/	
MASS	(NET) kg(lb)		33 (73)				85 (187)				/		
	(GROSS) kg(lb)		42 (93)				93 (205)				/		
LAYERS LIMIT (actually)			9 (10)				2 (3)						
Operation Condition			Cool O.D(DBT)		18°C ~ 32°C				-10°C ~ 43°C				
			Heat O.D(DBT)		16°C ~ 30°C				-15°C ~ 24°C				
P I P E I N G	PIPE DIAMETER mm (inch)		(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)				(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)						
	CONNECT METHOD, STD LENGTH m (ft)		flared type, 5.0(16.4)				flared type, 5.0(16.4)						
	PIPE LENGTH RANGE m (ft)		5 ~ 50 (16.4 ~ 164.0)								~ ~		
	I/D&O/D HEIGHT DIFFERENCE m (ft)		15 (OD located lower) / 30 (OD located higher)				(49.2/98.4)						
	ADD GAS AMOUNT g/m (oz/ft)		50 (0.538)										
PIPE LENGTH FOR ADDITIONAL GAS m (ft)			30 (98.4)										

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

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

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

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

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

*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

2. Ceiling Type S-71PT2E5A×2 / U-140PEY1E8

INDOOR			MODEL		S-71PT2E5A×2								
PANEL			MODEL										
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 O O L I N G	CAPACITY		kW		14.0	14.0	14.0				3.8	15.0	
			BTU/h		47800	47800	47800				11300	51200	
	CURRENT		A		0.45×2	0.44×2	0.43×2	7.40	7.05	6.80	-	-	
	INPUT POWER		W		55×2	55×2	55×2	4.590k	4.590k	4.590k	-	-	
			TOTAL W		-			4.700k	4.700k	4.700k	840	5.700k	
	ANNUAL CONSUMPTION		TOTAL kWh ※4		-			-	2350	-	-	-	
	EER/EER CLASS		TOTAL(W/W)※5("A"~"G")		-	-	-	2.98	2.98 / C	2.98	3.93	2.63	
	Erp ※6	Pdsign	kW	-	-	-	-	-	-	-			
		SEER	(W/W)	-	-	-	-	-	-	-			
		Annual consumption Class	kWh	-	-	-	-	-	-	-			
POWER FACTOR			%		-	-	-	94	94	94	-	-	
NOISE INDOOR (H/M/L)			dB-A		39/35/31			-					
			Power Level dB		57/53/49			-					
NOISE OUTDOOR (H/L)			dB-A					54/-					
			Power Level dB					71/-					
H E A T I N G	CAPACITY		kW		14.0	14.0	14.0				4.1	16.0	
			BTU/h		47800	47800	47800				14000	54600	
	CURRENT		A		0.45×2	0.44×2	0.43×2	5.65	5.35	5.20	-	-	
	INPUT POWER		W		55×2	55×2	55×2	3.500k	3.500k	3.500k	-	-	
			TOTAL W		-			3.610k	3.610k	3.610k	900	5.210k	
	COP/COP CLASS		TOTAL(W/W)※5("A"~"G")		-	-	-	3.88	3.88 / A	3.88	4.56	3.07	
	Erp ※6	Pdsign	kW	-	-	-	-	-	-	-			
		Tbivalen	°C	-	-	-	-	-	-	-			
		SCOP	(W/W)	-	-	-	-	-	-	-			
		Annual consumption Class	kWh	-	-	-	-	-	-	-			
	POWER FACTOR			%		-	-	-	94	94	94	-	-
	NOISE INDOOR (H/M/L)			dB-A		39/35/31			-			/	/
				Power Level dB		57/53/49			-				
	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)					0.45×2/55×2	0.44×2/55×2	0.43×2/55×2	10.0/6.19k	10.0/6.51k	10.0/6.75k	/		
STARTING CURRENT(A)/COMP OUTPUT(W)					-	-	-	7.40/3.0k	7.05/3.0k	6.80/3.0k	/		
NETWORK IMPEDANCE (ΩMAX.)								-					
FM OUTPUT (W)					74			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)	[21/18/15.5 (742/636/547)]×2										
	HEAT	m³/min (ft³/min)	[21/18/15.5 (742/636/547)]×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 R O M	D	HEIGHT : H mm(inch)	235 (9-1/4)			1416 (55-3/4)			/				
	I	WIDTH : W mm(inch)	1275 (50-3/16)			940 (37-1/32)			/				
	M	DEPTH : D mm(inch)	690 (27-5/32)			340 (13-13/32)			/				
P A C M	D	HEIGHT : H mm	360			1556			/				
	I	WIDTH : W mm	1340			1055			/				
	M	DEPTH : D mm	820			485			/				
MASS		(NET) kg(lb)	33 (73)			98 (216)			/				
		(GROSS) kg(lb)	42 (93)			108 (238)			/				
LAYERS LIMIT (actually)					9 (10)			1 (2)					
Operation Condition			Cool O.D.(DBT)		18°C ~ 32°C			-10°C ~ 43°C					
			Heat O.D.(DBT)		16°C ~ 30°C			-15°C ~ 24°C					
P I P E I N G	PIPE DIAMETER mm (inch)		(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)							
	CONNECT METHOD, STD LENGTH m (ft)		flared type, 5.0(16.4)			flared type, 5.0(16.4)							
	PIPE LENGTH RANGE m (ft)		5 ~ 50 (16.4 ~ 164.0)						~ ~				
	I/D&O/D HEIGHT DIFFERENCE m (ft)		15 (OD located lower) / 30 (OD located higher)			(49.2/98.4)							
	ADD GAS AMOUNT g/m (oz/ft)		50 (0.538)										
PIPE LENGTH FOR ADDITIONAL GAS m (ft)			30 (98.4)										

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

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

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

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

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

*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

2. Ceiling Type S-100PT2E5A / U-100PEY1E8

INDOOR			MODEL		S-100PT2E5A							
PANEL			MODEL									
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 O O L I N G	CAPACITY		kW		10.0	10.0	10.0				11.5	13.5
			BTU/h		34100	34100	34100				9200	39200
	CURRENT		A		0.69	0.67	0.65	5.30	5.05	4.85	-	-
	INPUT POWER		W		80	80	80	3.240k	3.240k	3.240k	-	-
			TOTAL W		-			3.320k	3.320k	3.320k	530	4.340k
	ANNUAL CONSUMPTION		TOTAL kWh ※4		-			-	1660	-	-	-
	EER/EER CLASS		TOTAL(W/W)※5/(“A”~“G”)		-	-	-	3.01	3.01 / B	3.01	5.09	2.65
	Erp ※6	Pdsign	kW		-	-	-	-	10.0	-		
		SEER	(W/W)		-	-	-	-	6.0	-		
		Annual consumption	kWh		-	-	-	-	584	-		
		Class			-	-	-	-	A+	-		
POWER FACTOR		%		-	-	-	93	93	93	-	-	
NOISE INDOOR (H/M/L)		dB-A		42/37/35			-					
		Power Level dB		60/55/53			-					
NOISE OUTDOOR (H/L)		dB-A					54/-					
		Power Level dB					70/-					
H E A T I N G	CAPACITY		kW		10.0	10.0	10.0				2.1	13.8
			BTU/h		34100	34100	34100				7200	47100
	CURRENT		A		0.69	0.67	0.65	4.10	3.90	3.75	-	-
	INPUT POWER		W		80	80	80	2.520k	2.520k	2.520k	-	-
			TOTAL W		-			2.600k	2.600k	2.600k	410	4.000k
	COP/COP CLASS		TOTAL(W/W)※5/(“A”~“G”)		-	-	-	3.85	3.85 / A	3.85	5.12	3.45
	Erp ※6	Pdsign	kW		-	-	-	-	10.0	-		
		Tbivalen	°C		-	-	-	-	-7	-		
		SCOP	(W/W)		-	-	-	-	3.9	-		
		Annual consumption	kWh		-	-	-	-	3590	-		
		Class			-	-	-	-	A	-		
	POWER FACTOR		%		-	-	-	93	93	93	-	-
	NOISE INDOOR (H/M/L)		dB-A		42/37/35			-			/	
			Power Level dB		60/55/53			-				
	NOISE OUTDOOR (H/L)		dB-A		-			54/-			/	
			Power Level dB		-			70/-				
EXTRA LOW TEMP Total CAPACITY(kW)/INPUT POWER(W)/COP						-						
MAX CURRENT(A)/MAX INPUT POWER(W)					0.69/80	0.67/80	0.65/80	9.0/5.51k	9.0/5.80k	9.0/6.02k	/	
STARTING CURRENT(A)/COMP OUTPUT(W)					-	-	-	5.30/1.7k	5.05/1.7k	4.85/1.7k	/	
NETWORK IMPEDANCE (ΩMAX.)					-			-				
FM OUTPUT (W)					111			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)		30/25/23 (1059/883/812)								
	HEAT	m³/min (ft³/min)		30/25/23 (1059/883/812)								
O/D AIR FLOW	COOL	m³/min (ft³/min)					76		(2684)			
	HEAT	m³/min (ft³/min)					67		(2366)			
REFRIGERANT TYPE, AMOUNT g(oz)						R410A		2.60k		(91.7)		
P R O M	D	HEIGHT : H mm(inch)		235 (9-1/4)			996 (39-7/32)				/	
	I	WIDTH : W mm(inch)		1590 (62-19/32)			940 (37-1/32)				/	
	M	DEPTH : D mm(inch)		690 (27-5/32)			340 (13-13/32)				/	
P A C M	D	HEIGHT : H mm		360			1136				/	
	I	WIDTH : W mm		1655			1055				/	
	M	DEPTH : D mm		820			485				/	
MASS	(NET) kg(lb)		40 (88)			73 (161)				/		
	(GROSS) kg(lb)		49 (108)			81 (179)				/		
LAYERS LIMIT (actually)			9 (10)			2 (3)						
Operation Condition			Cool O.D(DBT)		18°C ~ 32°C			-10°C ~ 43°C				
			Heat O.D(DBT)		16°C ~ 30°C			-15°C ~ 24°C				
P I P E I N G	PIPE DIAMETER mm (inch)		(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)						
	CONNECT METHOD, STD LENGTH m (ft)		flared type, 5.0(16.4)			flared type, 5.0(16.4)						
	PIPE LENGTH RANGE m (ft)		5 ~ 50 (16.4 ~ 164.0)						~ ~			
	I/D&O/D HEIGHT DIFFERENCE m (ft)		15 (OD located lower) / 30 (OD located higher)			(49.2/98.4)						
	ADD GAS AMOUNT g/m (oz/ft)		50 (0.538)									
PIPE LENGTH FOR ADDITIONAL GAS m (ft)			30 (98.4)									

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

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

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

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

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

Single -Type

1-1. Unit Specifications

PEY1

2. Ceiling Type S-125PT2E5A / U-125PEY1E8

INDOOR			MODEL		S-125PT2E5A						
PANEL			MODEL								
OUTDOOR			MODEL					U-125PEY1E8			
Branch pipe			MODEL					-			
PERFORMANCE TEST CONDITION			ISO5151 / EN14511 / EN12102								
POWER SUPPLY			ø, Hz		1ø 50Hz			3ø 50Hz			
C O O L I N 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	0.89	0.86	0.83	6.50	6.20	6.00	-	-
	INPUT POWER		W	110	110	110	4.040k	4.040k	4.040k	-	-
			TOTAL W	-			4.150k	4.150k	4.150k	900	5.160k
	ANNUAL CONSUMPTION		TOTAL kWh ※4	-			-	2075	-	-	-
	EER/EER CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	3.01	3.01 / B	3.01	4.22	2.62
	Erp ※6	Pdsign	kW	-	-	-	-	-	-		
		SEER	(W/W)	-	-	-	-	-	-		
Annual consumption		kWh	-	-	-	-	-	-			
H E A T I N G	POWER FACTOR		Class	-	-	-	-	-	-		
			%	-	-	-	94	94	94	-	-
	NOISE INDOOR (H/M/L)		dB-A	46/40/36			-				
			Power Level dB	64/58/54			-				
	NOISE OUTDOOR (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	0.89	0.86	0.83	5.10	4.80	4.65	-	-
			W	110	110	110	3.140k	3.140k	3.140k	-	-
INPUT POWER		TOTAL W	-			3.250k	3.250k	3.250k	730	4.400k	
		COP/COP CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.85	3.85 / A	3.85	4.66	3.41
Erp ※6	Pdsign	kW	-	-	-	-	-	-			
	Tbivalen	°C	-	-	-	-	-	-			
	SCOP	(W/W)	-	-	-	-	-	-			
POWER FACTOR		Annual consumption	kWh	-	-	-	-	-			
		Class	-	-	-	-	-	-			
NOISE INDOOR (H/M/L)		%	-	-	-	94	94	94	-	-	
		dB-A	46/40/36			-			/	/	
NOISE OUTDOOR (H/L)		Power Level dB	64/58/54			-					
		dB-A	-			56/-			/	/	
		Power Level dB	-			73/-					
		EXTRA LOW TEMP		Total CAPACITY(kW)/INPUT POWER(W)/COP							-
MAX CURRENT(A)/MAX INPUT POWER(W)			0.89/110	0.86/110	0.83/110	10.0/6.19k	10.0/6.51k	10.0/6.75k	/		
STARTING CURRENT(A)/COMP OUTPUT(W)			-	-	-	6.50/3.0k	6.20/3.0k	6.00/3.0k	/		
NETWORK IMPEDANCE (ΩMAX.)			-			-					
FM OUTPUT (W)			111			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)	34/28/24 (1201/989/848)								
	HEAT	m³/min (ft³/min)	34/28/24 (1201/989/848)								
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)		235 (9-1/4)			996 (39-7/32)			/		
R I	WIDTH : W mm(inch)		1590 (62-19/32)			940 (37-1/32)			/		
O M	DEPTH : D mm(inch)		690 (27-5/32)			340 (13-13/32)			/		
P D	HEIGHT : H mm		360			1136			/		
A I	WIDTH : W mm		1655			1055			/		
C M	DEPTH : D mm		820			485			/		
MASS	(NET) kg(lb)		40 (88)			85 (187)			/		
	(GROSS) kg(lb)		49 (108)			93 (205)			/		
LAYERS LIMIT (actually)			9 (10)			2 (3)					
Operation Condition			Cool O.D.(DBT)	18°C ~ 32°C			-10°C ~ 43°C				
			Heat O.D.(DBT)	16°C ~ 30°C			-15°C ~ 24°C				
P I P I N G	PIPE DIAMETER mm (inch)		(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)					
	CONNECT METHOD, STD LENGTH m (ft)		flared type, 5.0(16.4)			flared type, 5.0(16.4)					
	PIPE LENGTH RANGE m (ft)		5 ~ 50 (16.4 ~ 164.0)						~ ~		
	I/D&O/D HEIGHT DIFFERENCE m (ft)		15 (OD located lower) / 30 (OD located higher)			(49.2/98.4)					
	ADD GAS AMOUNT g/m (oz/ft)		50 (0.538)								
PIPE LENGTH FOR ADDITIONAL GAS m (ft)			30 (98.4)								

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

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

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

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

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

Single -Type

1-1. Unit Specifications

PEY1

2. Ceiling Type S-140PT2E5A / U-140PEY1E8

INDOOR			MODEL		S-140PT2E5A								
PANEL			MODEL										
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 O O L I N G	CAPACITY		kW		14.0	14.0	14.0				3.3	15.0	
			BTU/h		47800	47800	47800				11300	51200	
	CURRENT		A		0.94	0.91	0.88	7.40	7.00	6.80	-	-	
	INPUT POWER		W		120	120	120	4.580k	4.580k	4.580k	-	-	
			TOTAL W		-			4.700k	4.700k	4.700k	840	5.700k	
	ANNUAL CONSUMPTION		TOTAL kWh ※4		-			-	2350	-	-	-	
	EER/EER CLASS		TOTAL(W/W)※5/("A"~"G")		-	-	-	2.98	2.98 / C	2.98	3.93	2.63	
	Erp ※6	Pdsign		kW		-	-	-	-	-	-		
		SEER		(W/W)		-	-	-	-	-	-		
		Annual consumption		kWh		-	-	-	-	-	-		
		Class				-	-	-	-	-	-		
	POWER FACTOR			%		-	-	-	94	94	94	-	-
NOISE INDOOR (H/M/L)			dB-A		47/41/37			-					
			Power Level dB		65/59/55			-					
NOISE OUTDOOR (H/L)			dB-A					54/-					
			Power Level dB					71/-					
H E A T I N G	CAPACITY		kW		14.0	14.0	14.0				4.1	16.0	
			BTU/h		47800	47800	47800				14000	54600	
	CURRENT		A		0.94	0.91	0.88	5.65	5.35	5.15	-	-	
	INPUT POWER		W		120	120	120	3.490k	3.490k	3.490k	-	-	
			TOTAL W		-			3.610k	3.610k	3.610k	900	5.210k	
	COP/COP CLASS		TOTAL(W/W)※5/("A"~"G")		-	-	-	3.88	3.88 / A	3.88	4.56	3.07	
	Erp ※6	Pdsign		kW		-	-	-	-	-	-		
		Tbivalen		°C		-	-	-	-	-	-		
		SCOP		(W/W)		-	-	-	-	-	-		
		Annual consumption		kWh		-	-	-	-	-	-		
	Class				-	-	-	-	-	-	-		
	POWER FACTOR			%		-	-	-	94	94	94	-	-
	NOISE INDOOR (H/M/L)			dB-A		47/41/37			-			/	/
				Power Level dB		65/59/55			-				
	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)					0.94/120	0.91/120	0.88/120	10.0/6.19k	10.0/6.51k	10.0/6.75k	/		
STARTING CURRENT(A)/COMP OUTPUT(W)					-	-	-	7.40/3.0k	7.00/3.0k	6.80/3.0k	/		
NETWORK IMPEDANCE (ΩMAX.)					-			-					
FM OUTPUT (W)					111			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)		35/29/25 (1236/1024/883)								
	HEAT		m³/min (ft³/min)		35/29/25 (1236/1024/883)								
O/D AIR FLOW	COOL		m³/min (ft³/min)					135	(4767)				
	HEAT		m³/min (ft³/min)					120	(4238)				
REFRIGERANT TYPE, AMOUNT g(oz)								R410A	3.40k	(119.9)	/		
P R O M	D	HEIGHT : H mm(inch)		235 (9-1/4)			1416 (55-3/4)			/			
	I	WIDTH : W mm(inch)		1590 (62-19/32)			940 (37-1/32)			/			
	M	DEPTH : D mm(inch)		690 (27-5/32)			340 (13-13/32)			/			
P A C M	D	HEIGHT : H mm		360			1556			/			
	I	WIDTH : W mm		1655			1055			/			
	M	DEPTH : D mm		820			485			/			
MASS	(NET) kg(lb)		40 (88)			98 (216)			/				
	(GROSS) kg(lb)		49 (108)			108 (238)			/				
LAYERS LIMIT (actually)					9 (10)			1 (2)					
Operation Condition			Cool O.D(DBT)		18°C ~ 32°C			-10°C ~ 43°C					
			Heat O.D(DBT)		16°C ~ 30°C			-15°C ~ 24°C					
P I P E I N G	PIPE DIAMETER mm (inch)				(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)					
	CONNECT METHOD, STD LENGTH m (ft)				flared type, 5.0(16.4)			flared type, 5.0(16.4)					
	PIPE LENGTH RANGE m (ft)				5 ~ 50 (16.4 ~ 164.0)						~	~	
	I/D&O/D HEIGHT DIFFERENCE m (ft)				15 (OD located lower) / 30 (OD located higher)			(49.2/98.4)					
	ADD GAS AMOUNT g/m (oz/ft)				50 (0.538)								
PIPE LENGTH FOR ADDITIONAL GAS m (ft)					30 (98.4)								

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

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

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

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

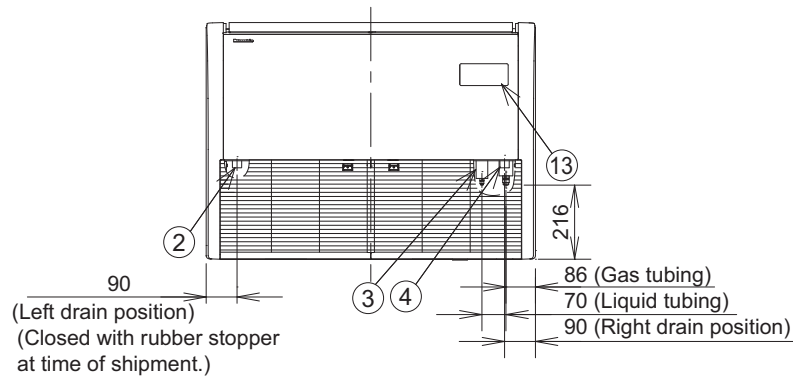
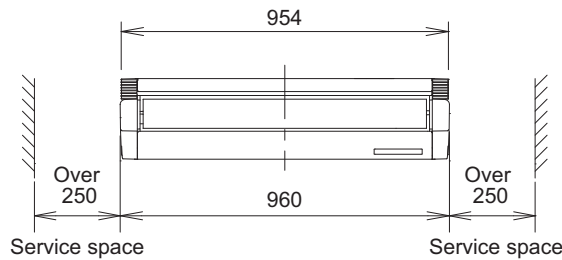
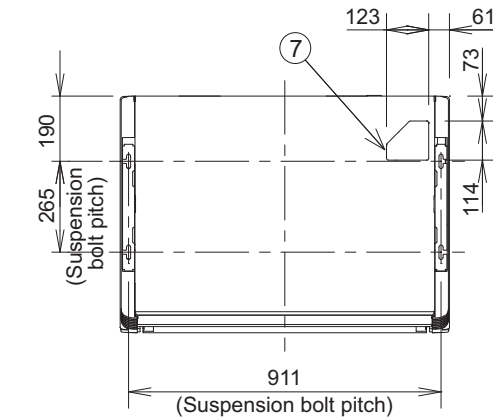
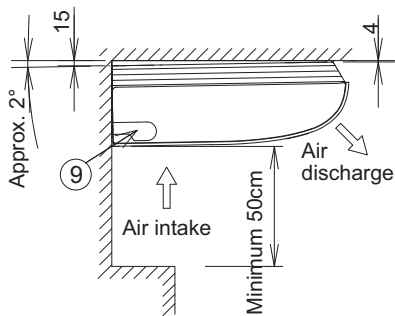
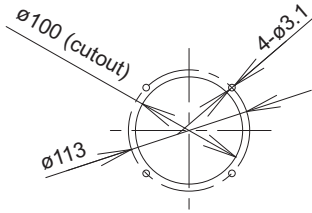
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.

1-2. Dimensional Data

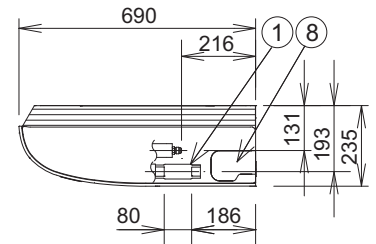
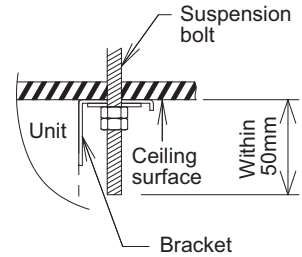
(A) Indoor Units: S-36PT2E5A, S-45PT2E5A, S-50PT2E5A

unit :mm

Detailed view of intaking
outside air duct connection port

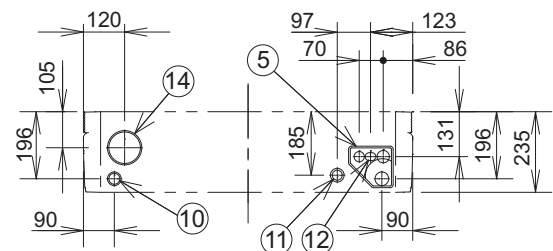


Distance of each exposed
bolt must be of equal length
within 50mm.

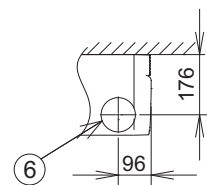


①	Drain port VP20 (inside diameter $\phi 26$ mm, drain hose supplied)
②	Left drain position
③	Refrigerant liquid tubing ($\phi 6.35$ mm, flare connection)
④	Refrigerant gas tubing ($\phi 12.7$ mm, flare connection)
⑤	Cover of rear tubing hole
⑥	Tubing hole on wall surface ($\phi 100$ mm)
⑦	Upper side tubing port
⑧	Right side drain hose outlet port (cutout)
⑨	Left side drain hose outlet port (cutout)
⑩	Left-rear side drain hose outlet port (cutout)
⑪	Power inlet port
⑫	Remote control wiring and inter-unit wiring inlet port
⑬	Wireless remote controller receiver installation location
⑭	Outside air intake duct connection port ($\phi 100$ mm, cutout)

Hole position of indoor unit rear-side
(Figure shows view from front)



Tubing hole position on wall surface
(Figure shows view from front)



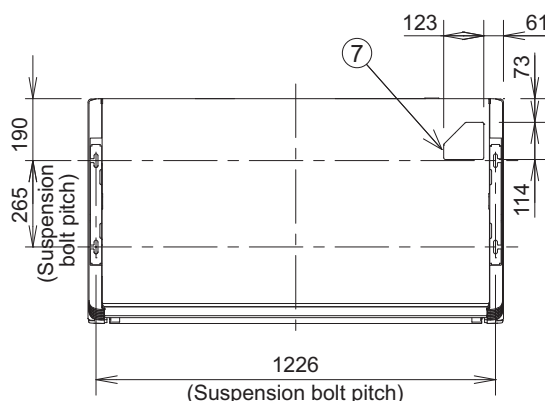
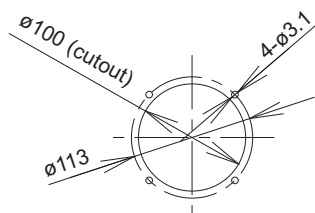
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(421 x 250 x 16) x 2 pcs.

1-2. Dimensional Data

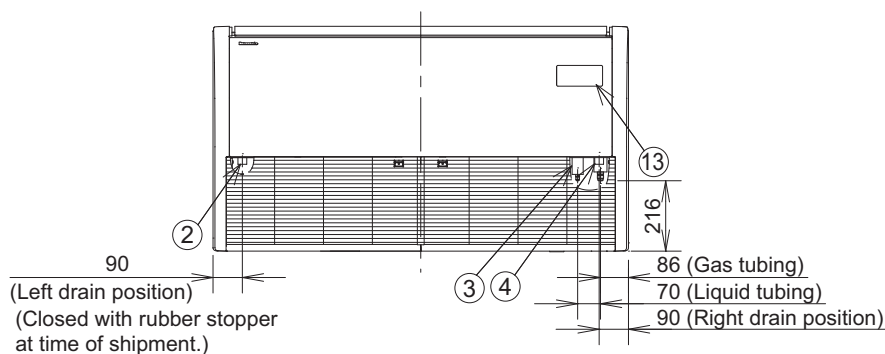
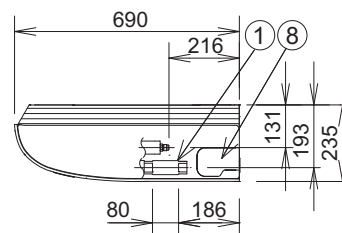
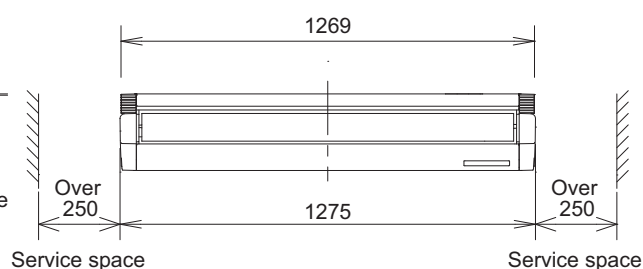
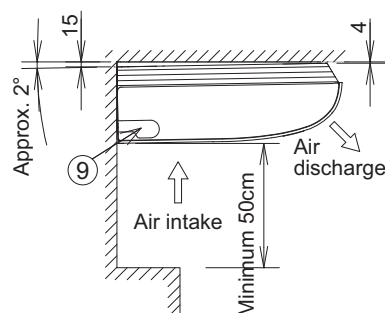
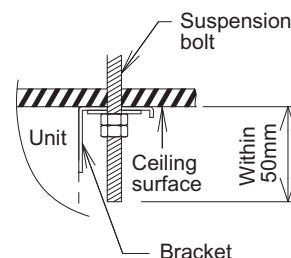
(A) Indoor Units: S-60PT2E5A, S-71PT2E5A

Detailed view of intaking outside air duct connection port



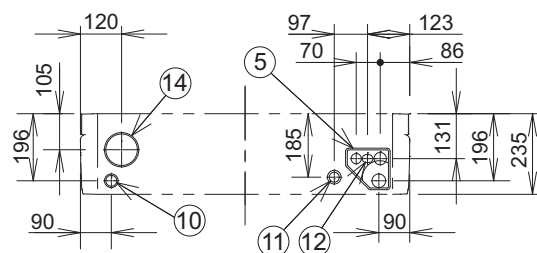
unit :mm

Distance of each exposed bolt must be of equal length within 50mm.

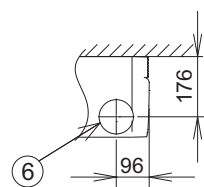


①	Drain port VP20 (inside diameter $\phi 26$ mm, drain hose supplied)
②	Left drain position
③	Refrigerant liquid tubing ($\phi 9.52$ mm, flare connection)
④	Refrigerant gas tubing ($\phi 15.88$ mm, flare connection)
⑤	Cover of rear tubing hole
⑥	Tubing hole on wall surface ($\phi 100$ mm)
⑦	Upper side tubing port
⑧	Right side drain hose outlet port (cutout)
⑨	Left side drain hose outlet port (cutout)
⑩	Left-rear side drain hose outlet port (cutout)
⑪	Power inlet port
⑫	Remote control wiring and inter-unit wiring inlet port
⑬	Wireless remote controller receiver installation location
⑭	Outside air intake duct connection port ($\phi 100$ mm, cutout)

Hole position of indoor unit rear-side
(Figure shows view from front)



Tubing hole position on wall surface
(Figure shows view from front)



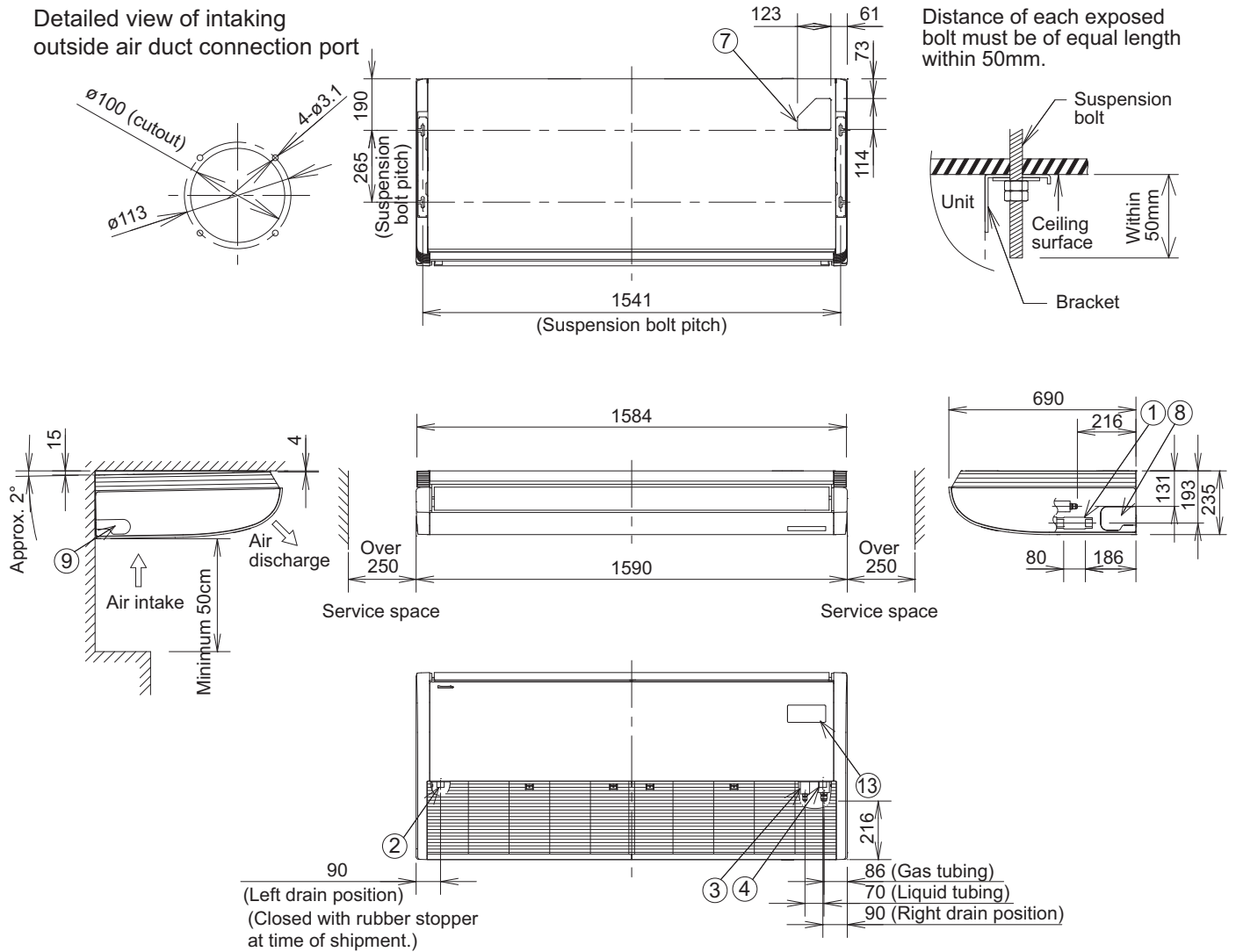
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(579 x 250 x 16) x 2 pcs.

1-2. Dimensional Data

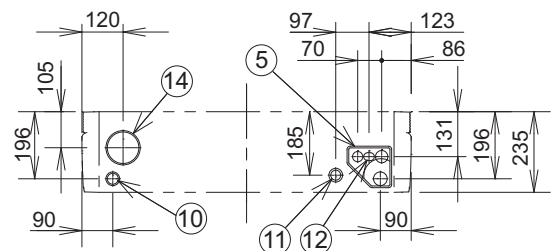
(A) Indoor Units: S-100PT2E5A, S-125PT2E5A, S-140PT2E5A

unit :mm

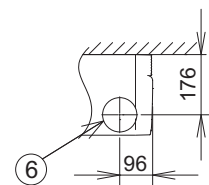


①	Drain port VP20 (inside diameter $\phi 26$ mm, drain hose supplied)
②	Left drain position
③	Refrigerant liquid tubing ($\phi 9.52$ mm, flare connection)
④	Refrigerant gas tubing ($\phi 15.88$ mm, flare connection)
⑤	Cover of rear tubing hole
⑥	Tubing hole on wall surface ($\phi 100$ mm)
⑦	Upper side tubing port
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⑫	Remote control wiring and inter-unit wiring inlet port
⑬	Wireless remote controller receiver installation location
⑭	Outside air intake duct connection port ($\phi 100$ mm, cutout)

Hole position of indoor unit rear-side
(Figure shows view from front)



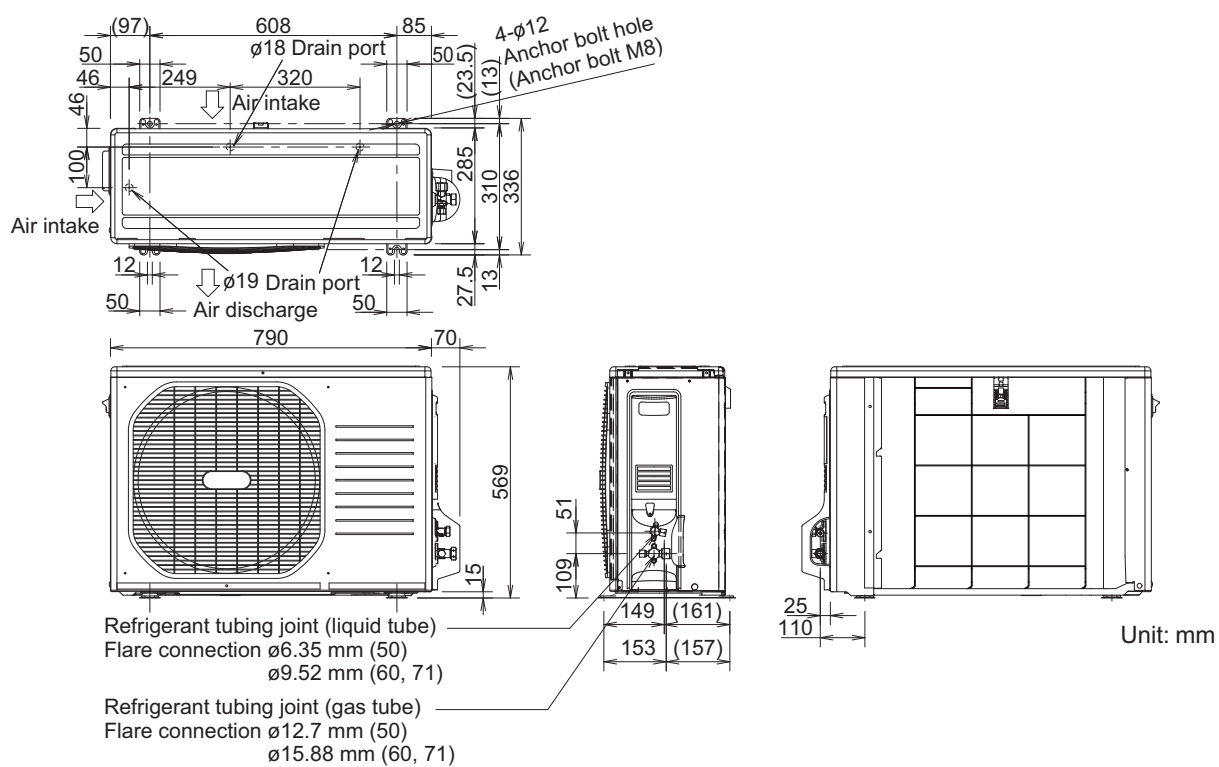
Tubing hole position on wall surface
(Figure shows view from front)



<Filter size>

(736 x 250 x 16) x 2 pcs.

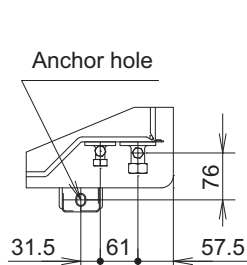
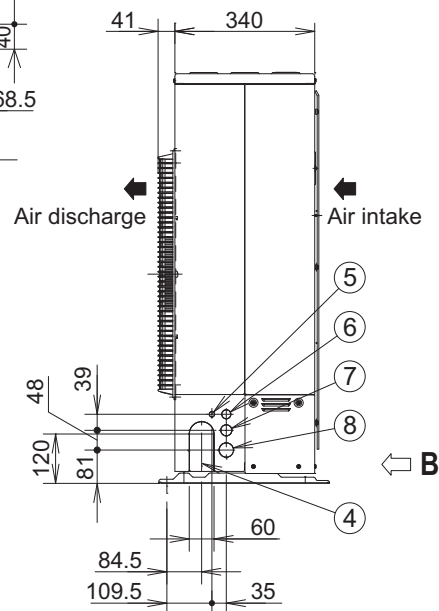
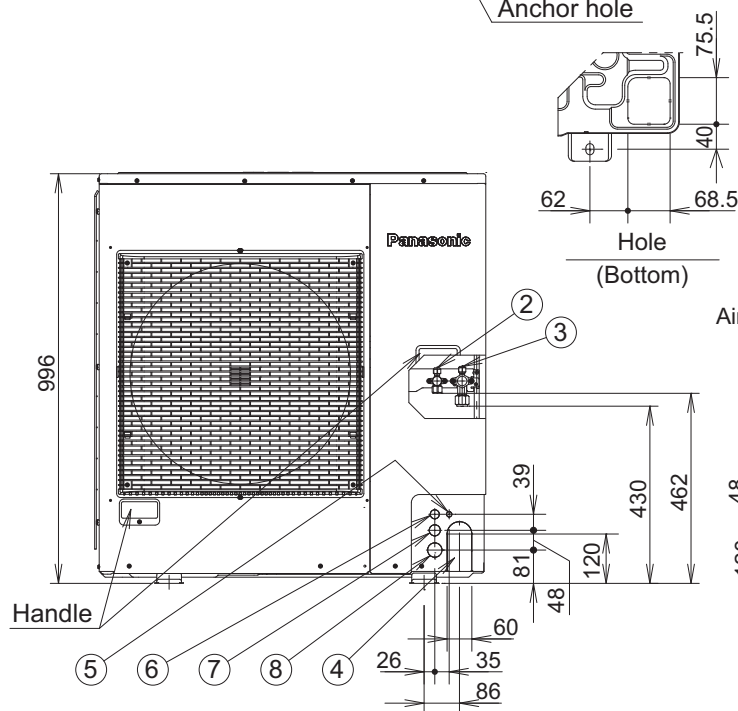
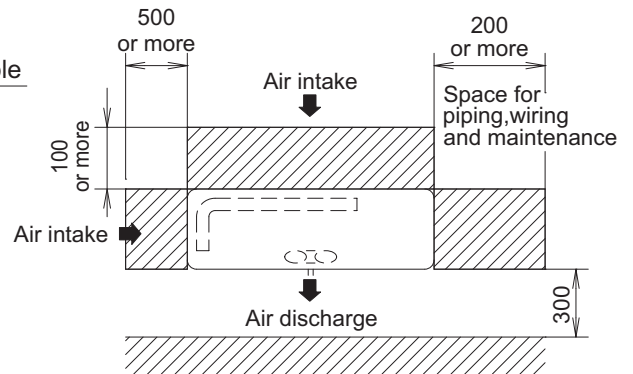
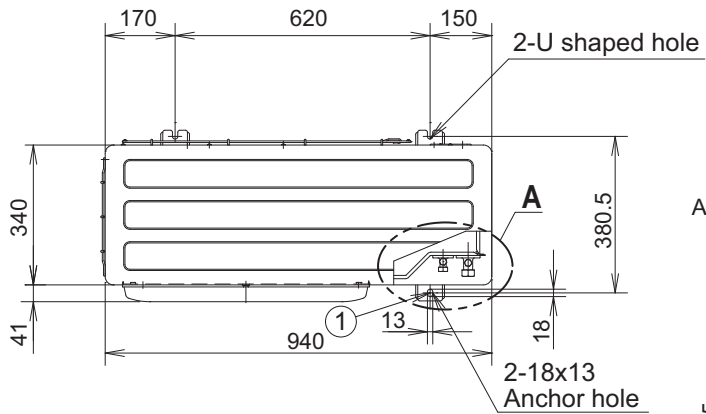
**(B) Outdoor Unit: U-50PE1E5
U-60PEY1E5 / U-71PEY1E5**



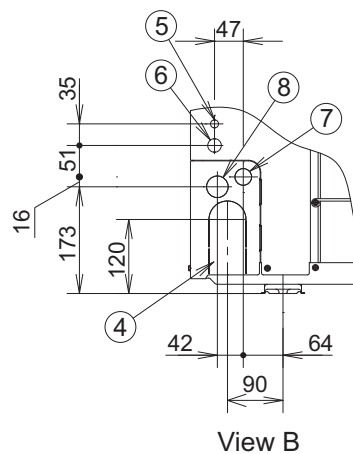
1-2. Dimensional Data

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

Unit:mm



Enlarged view A
Refrigerant piping
end connection



View B

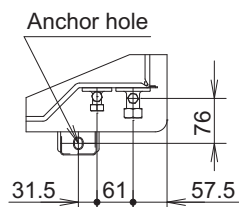
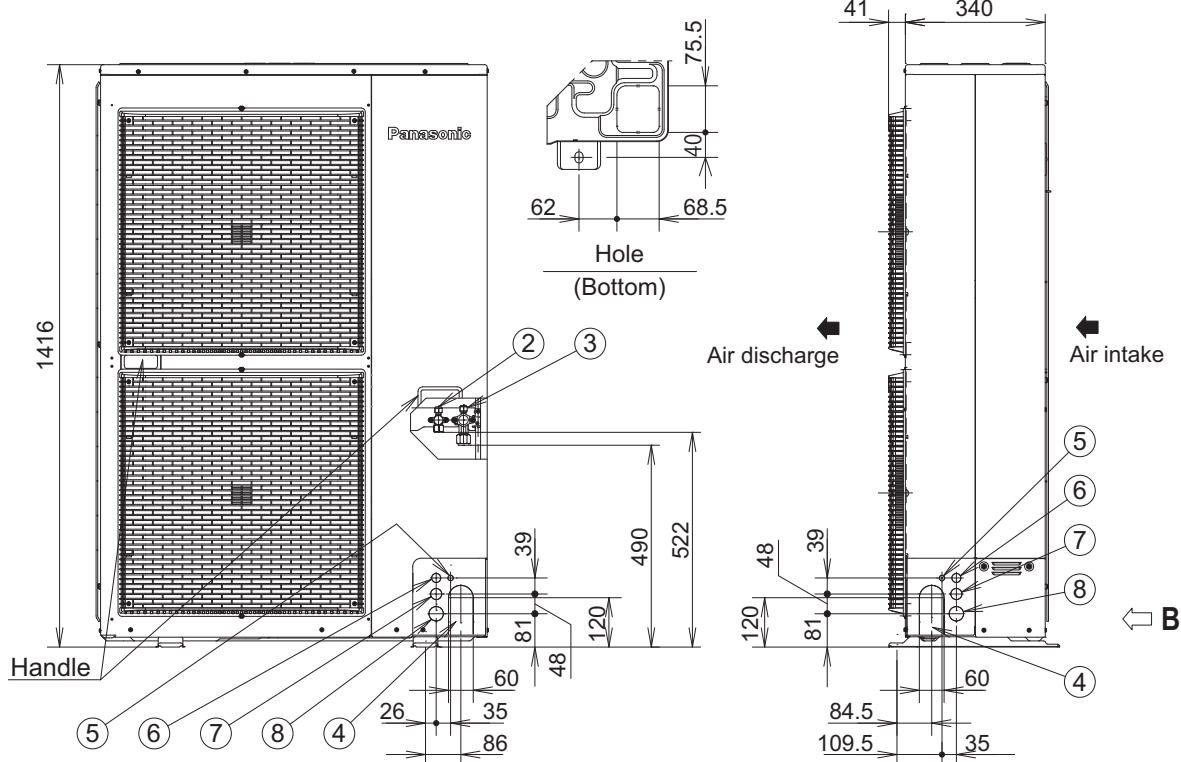
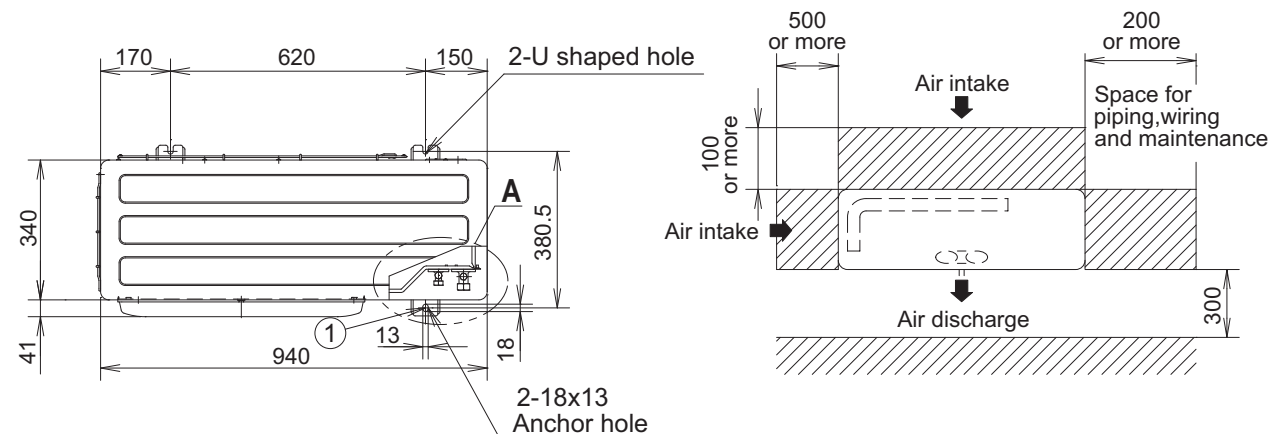
unit: mm

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

1-2. Dimensional Data

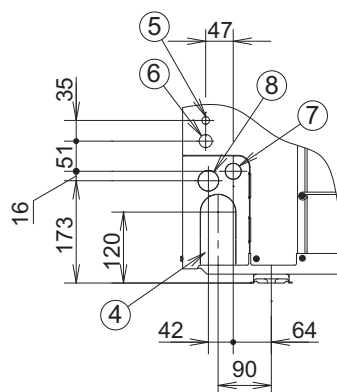
(B) Outdoor Units: U-100PE1E5A / U-125PE1E5A / U-140PE1E5A

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



Enlarged view A

Refrigerant piping
end connection



View B

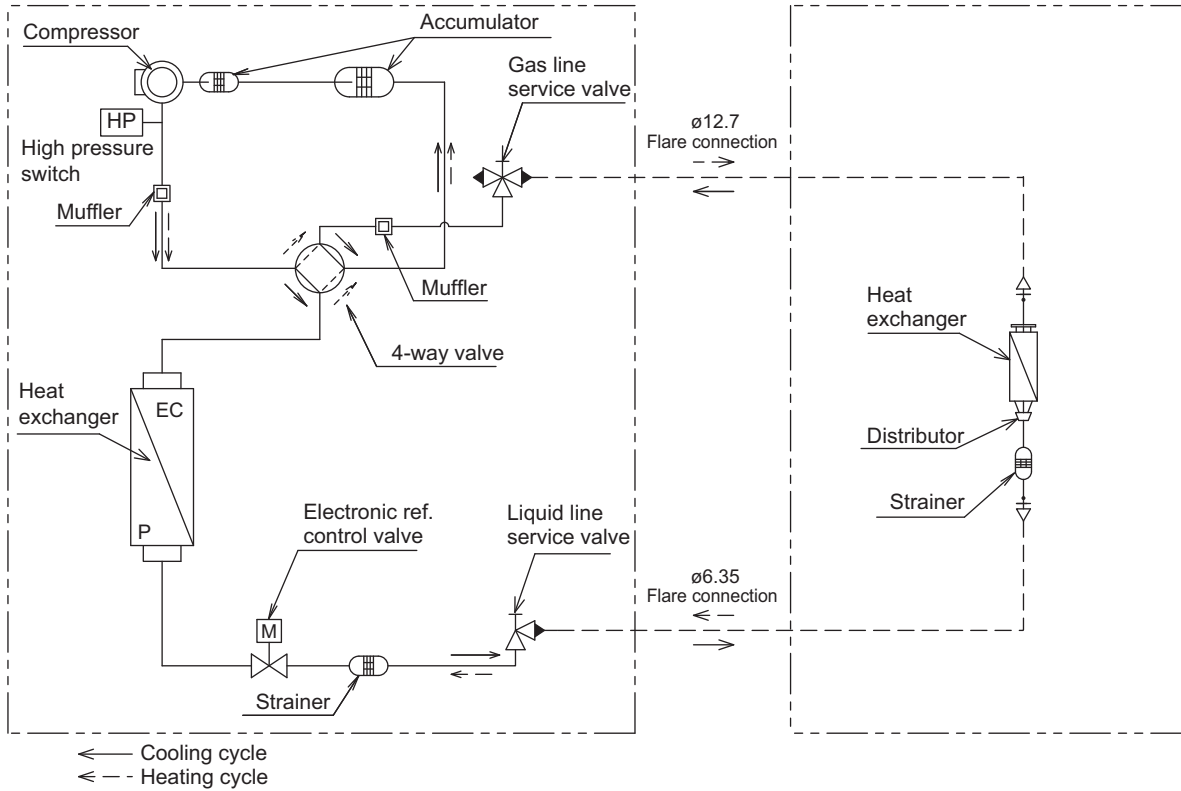
unit: mm

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

1-3. Refrigerant Flow Diagram

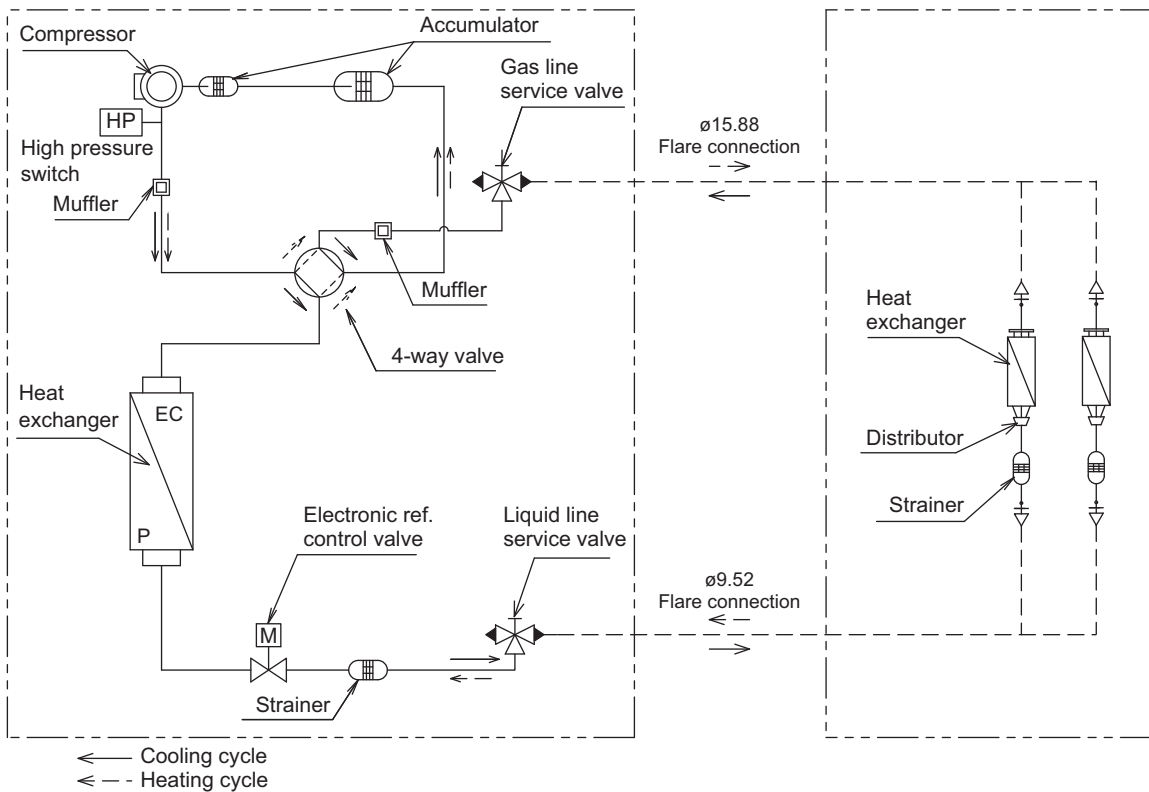
Outdoor Unit: U-50PE1E5

Indoor Unit:



Outdoor Unit : U-60PEY1E5 U-71PEY1E5

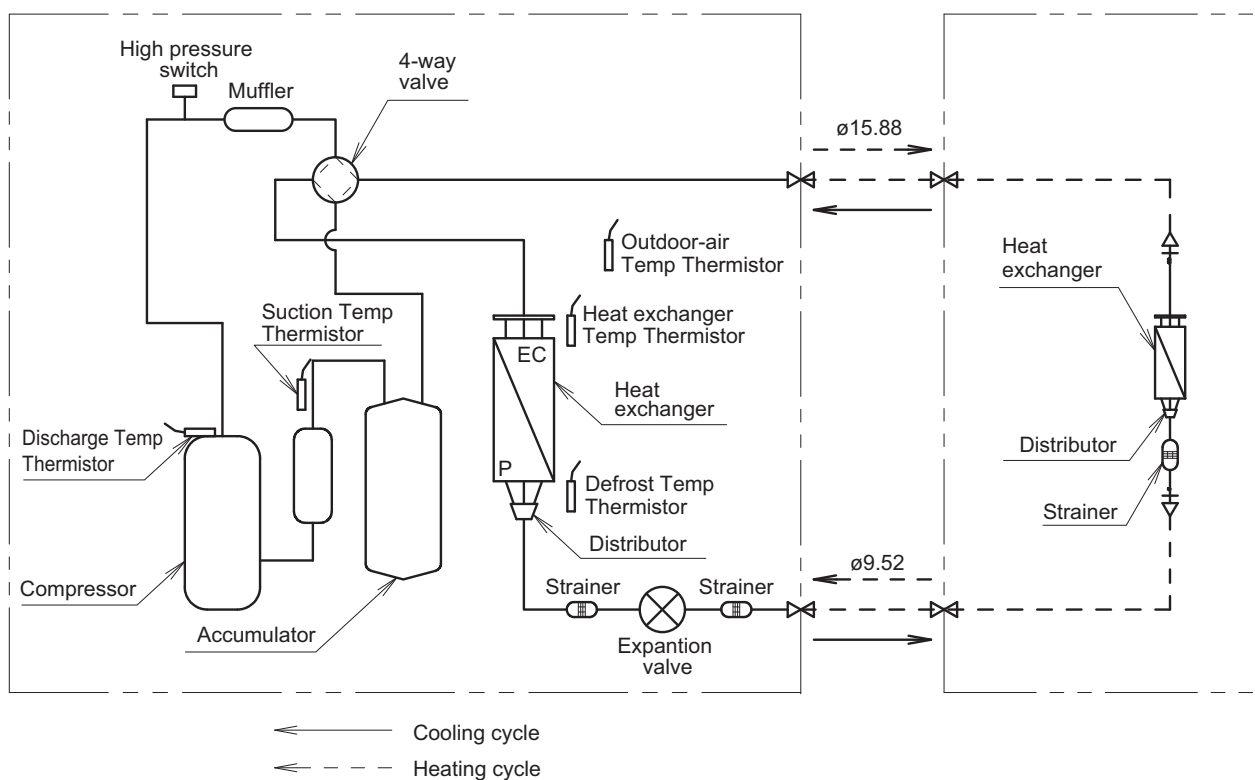
Indoor Unit:



1-3. Refrigerant Flow Diagram

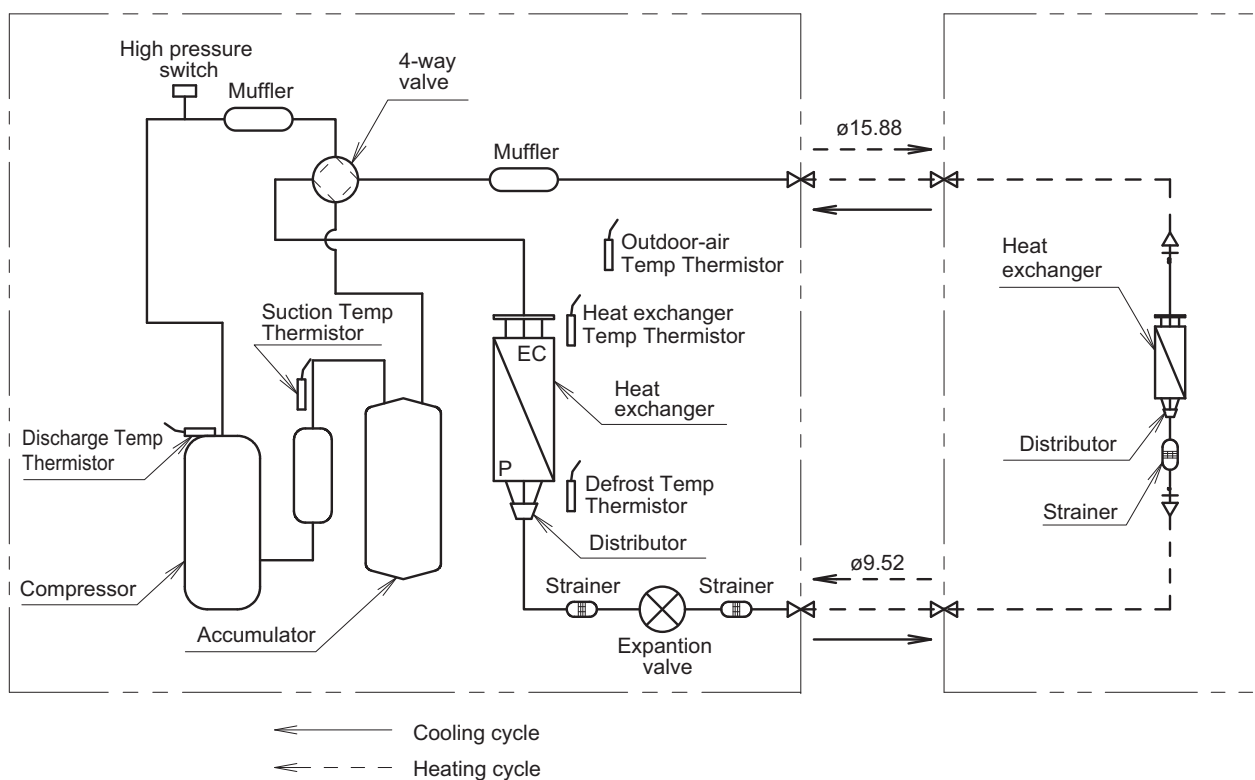
**Outdoor Units: U-60PE1E5A / U-71PE1E5A
U-71PE1E8A**

Indoor Unit



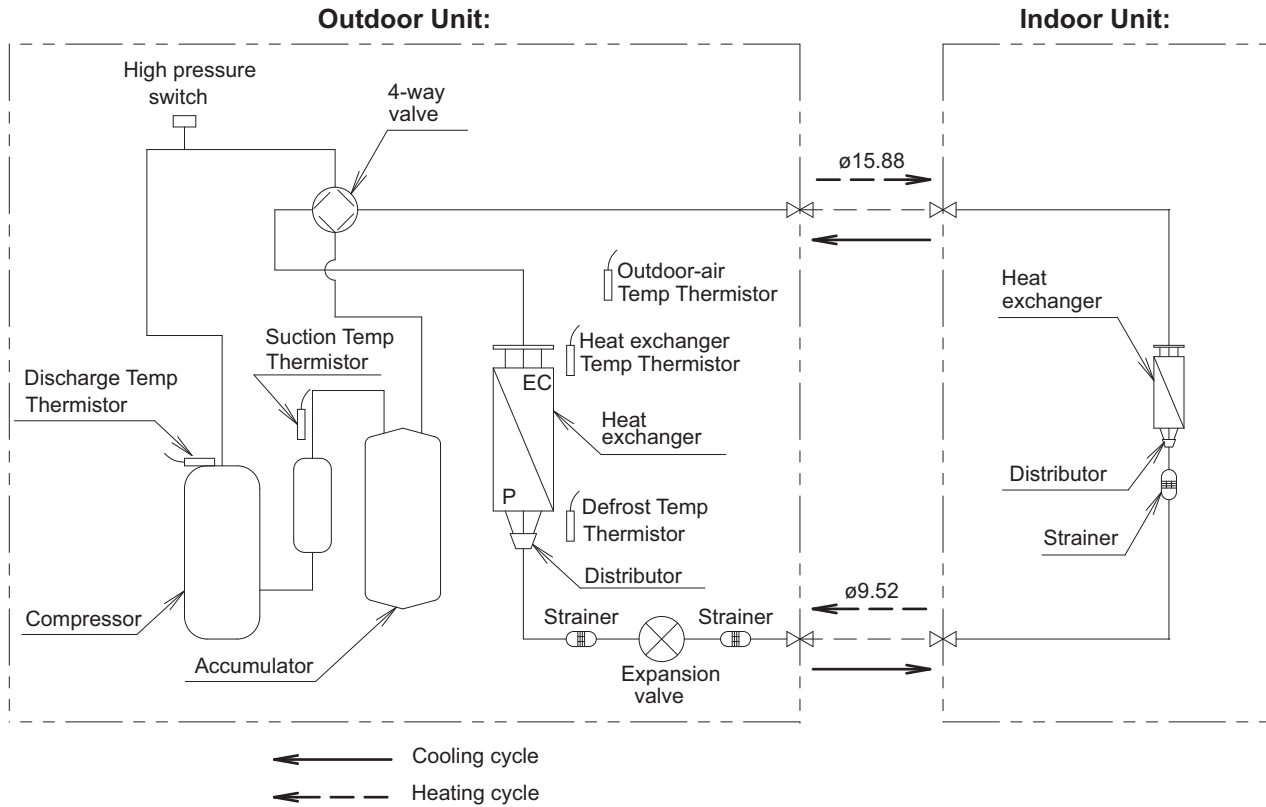
**Outdoor Units: U-100PE1E5A / U-125PE1E5A / U-140PE1E5A
U-100PE1E8A / U-125PE1E8A / U-140PE1E8A / U-140PEY1E8**

Indoor Unit

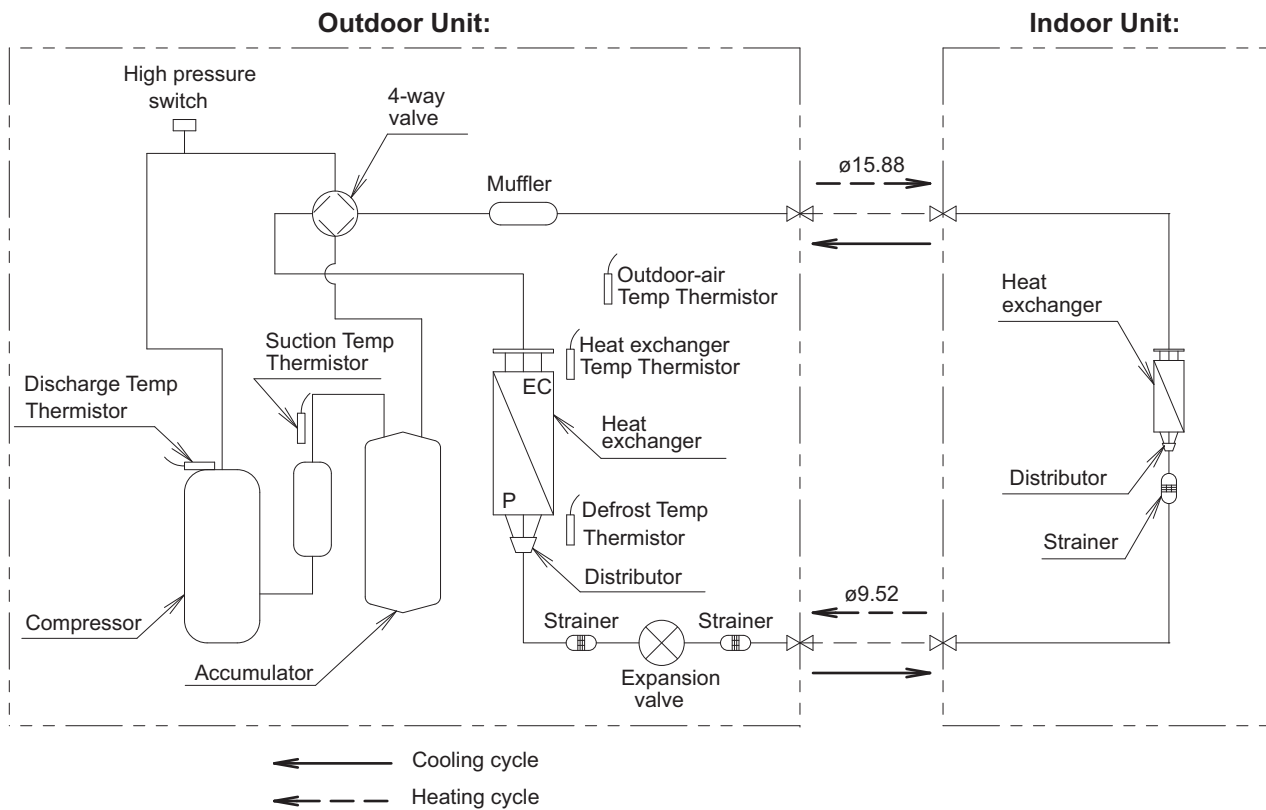


1-3. Refrigerant Flow Diagram

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



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



1-4. Operationg Range

Type PE1

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

Type PEY1

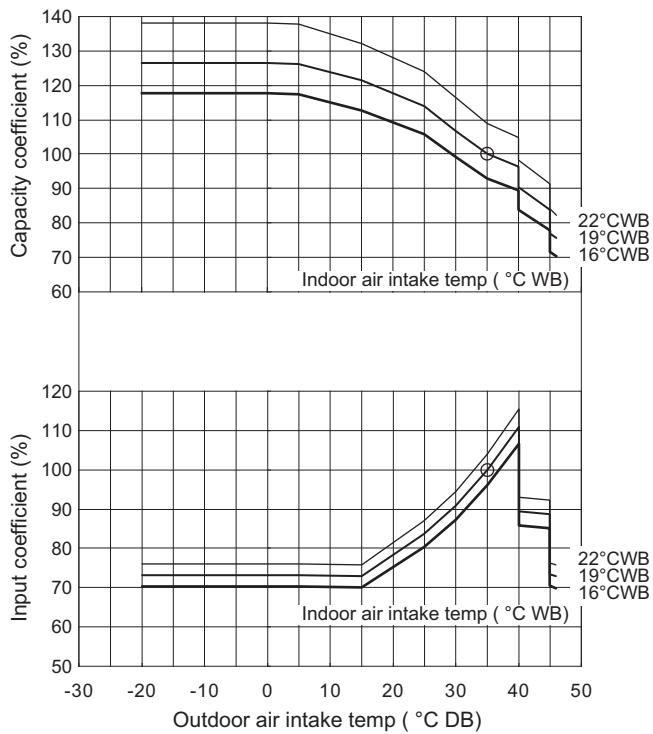
	Temperature	Indoor air intake temp.	Outdoor air intake temp.
Cooling	Maximum	32°C DB / 25°C WB	43°C DB
	Minimum	18°C DB / 14°C WB	-10°C DB
Heating	Maximum	30°C DB / – WB	24°C DB/18°C WB
	Minimum	16°C DB / – WB	-15°C DB / -15°C WB

1-5. Capacity Correction Graph According to Temperature Condition

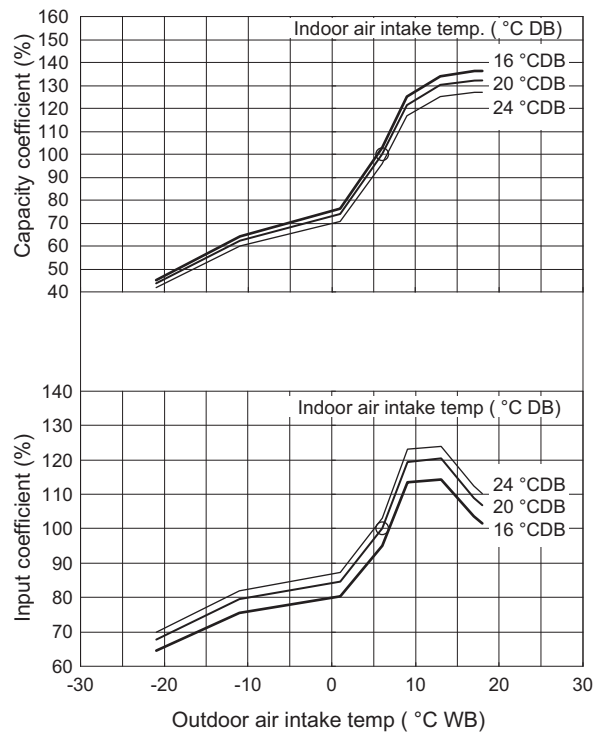
PE1

U-50PE1E5 (For 50 Hz)

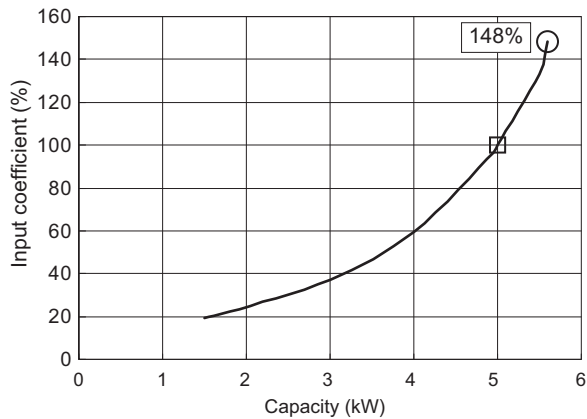
Cooling capacity ratio (maximum capacity)



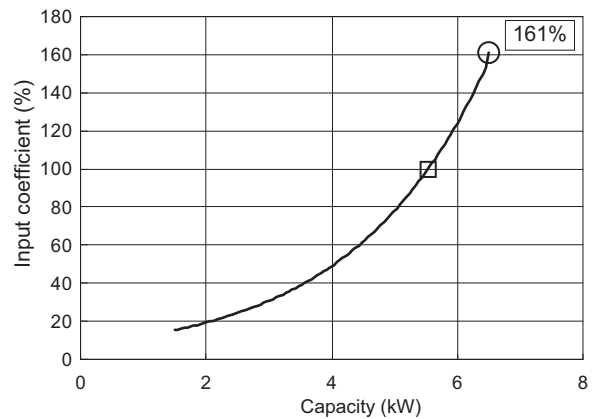
Heating capacity ratio (maximum capacity)



Cooling



Heating

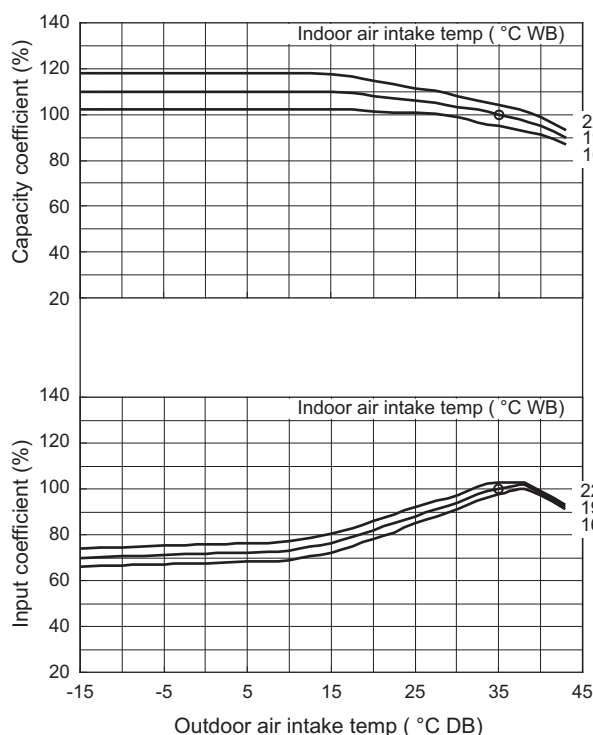


1-5. Capacity Correction Graph According to Temperature Condition

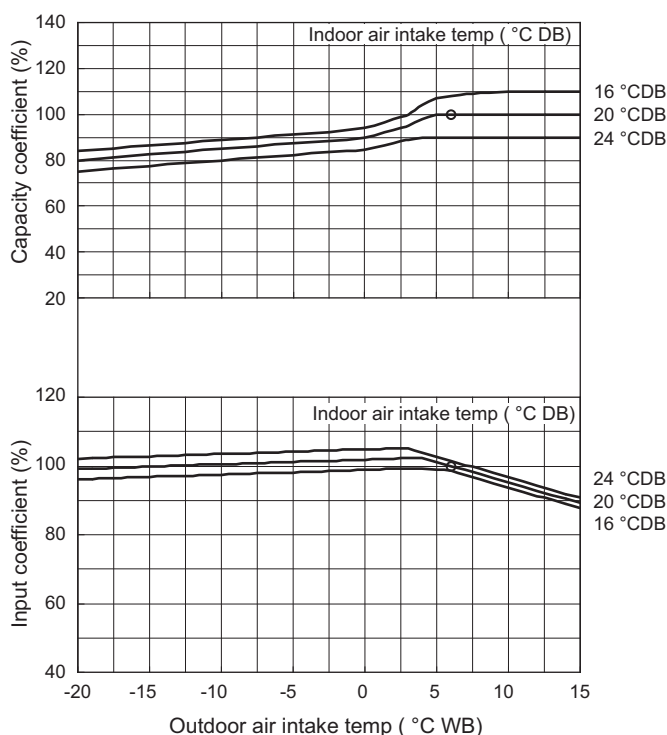
PE1

U-60PE1E5A (For 50 Hz)

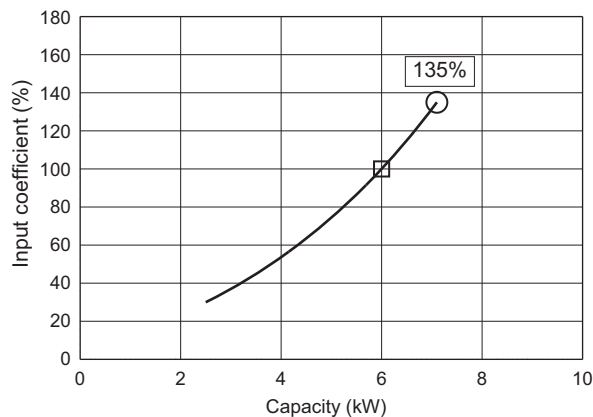
Cooling capacity ratio (maximum capacity)



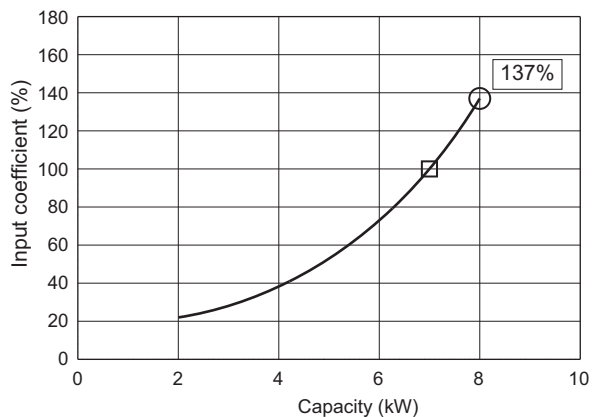
Heating capacity ratio (maximum capacity)



Cooling



Heating



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

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

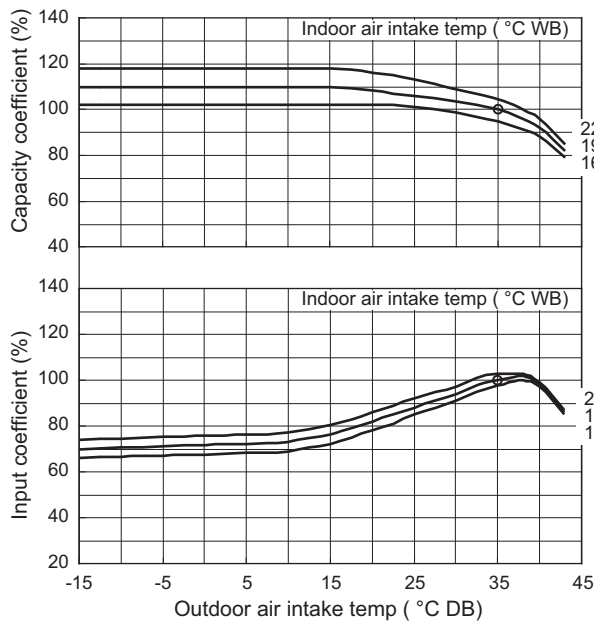
To calculate the heating capacity with consideration for frosting/defrosting operation, multiply the heating capacity found from the capacity graph by the correction coefficient from the table above.

1-5. Capacity Correction Graph According to Temperature Condition

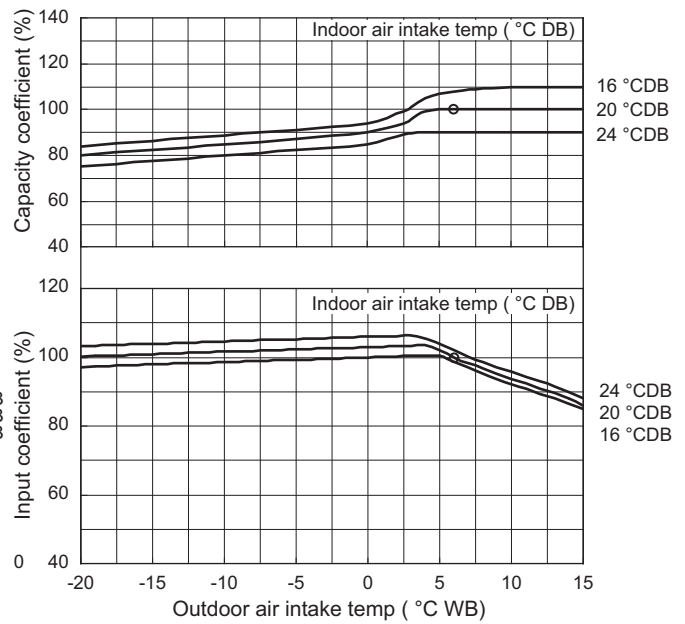
PE1

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

Cooling capacity ratio (maximum capacity)

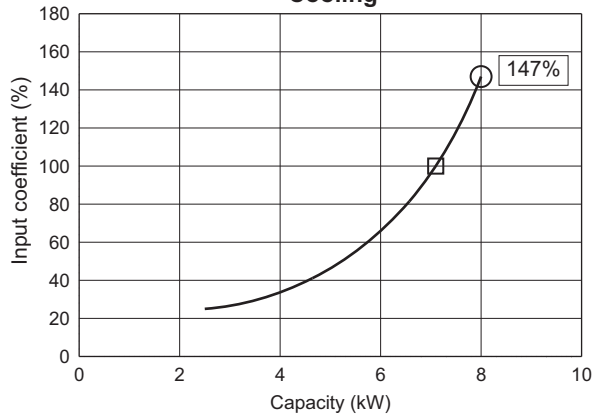


Heating capacity ratio (maximum capacity)

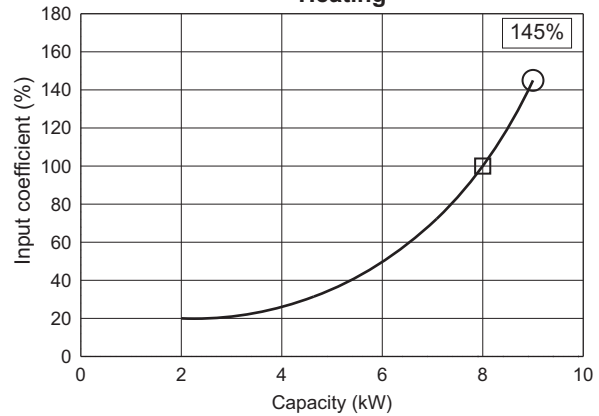


■ U-71PE1E5A (For 50 Hz)

Cooling

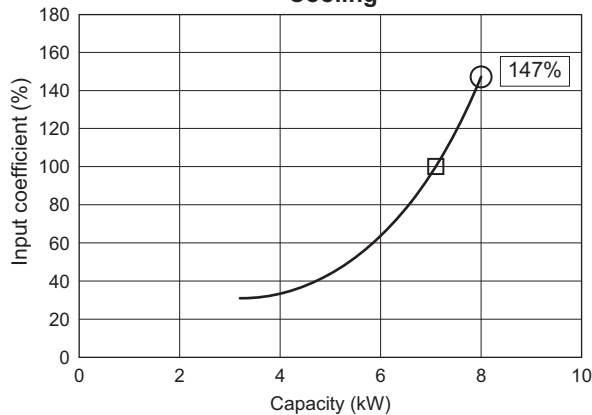


Heating

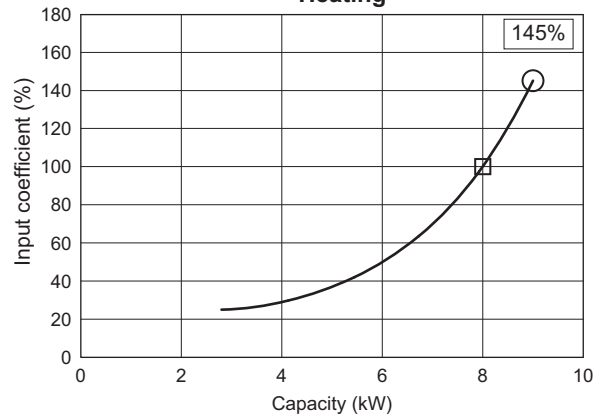


■ U-71PE1E8A (For 50 Hz)

Cooling



Heating



Outdoor unit heating capacity correction coefficient during of frosting/defrosting

(RH approximately 85%)

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

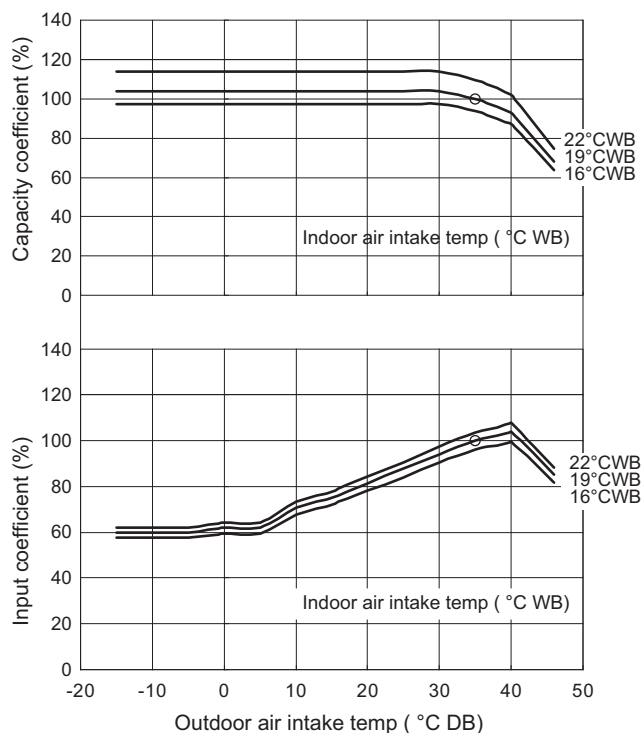
To calculate the heating capacity with consideration for frosting/defrosting operation, multiply the heating capacity found from the capacity graph by the correction coefficient from the table above.

1-5. Capacity Correction Graph According to Temperature Condition

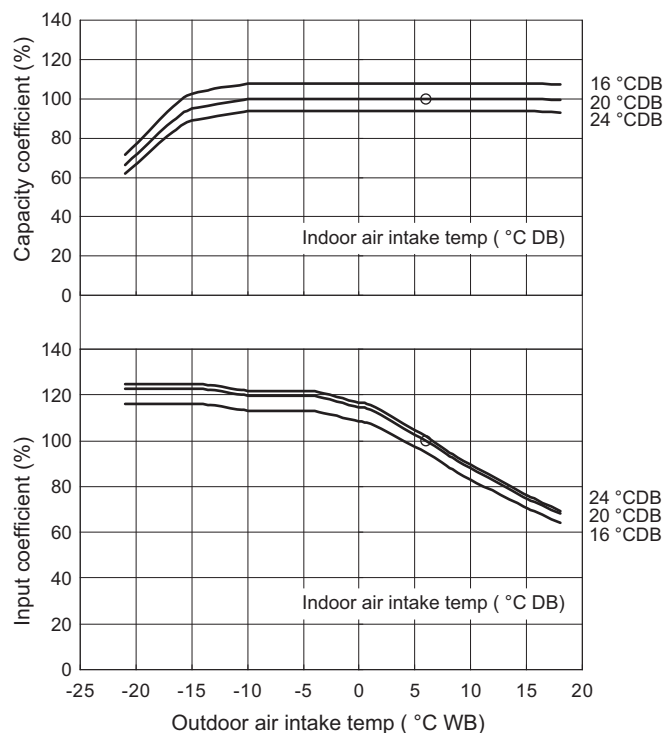
PE1

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

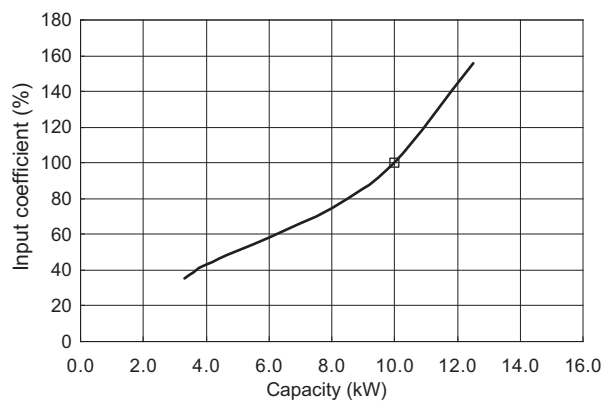
Cooling capacity ratio (maximum capacity)



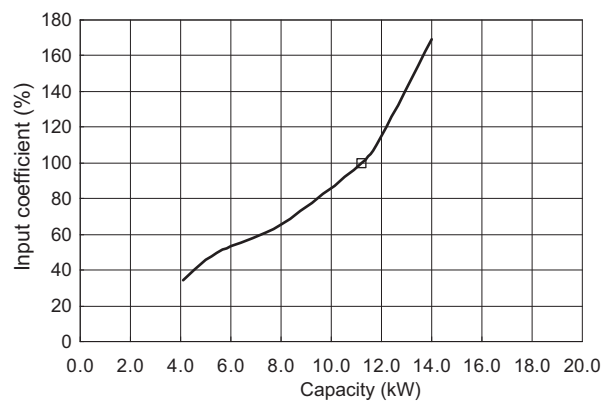
Heating capacity ratio (maximum capacity)



Cooling



Heating



Outdoor unit heating capacity correction coefficient during of frosting/defrosting

(RH approximately 85%)

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

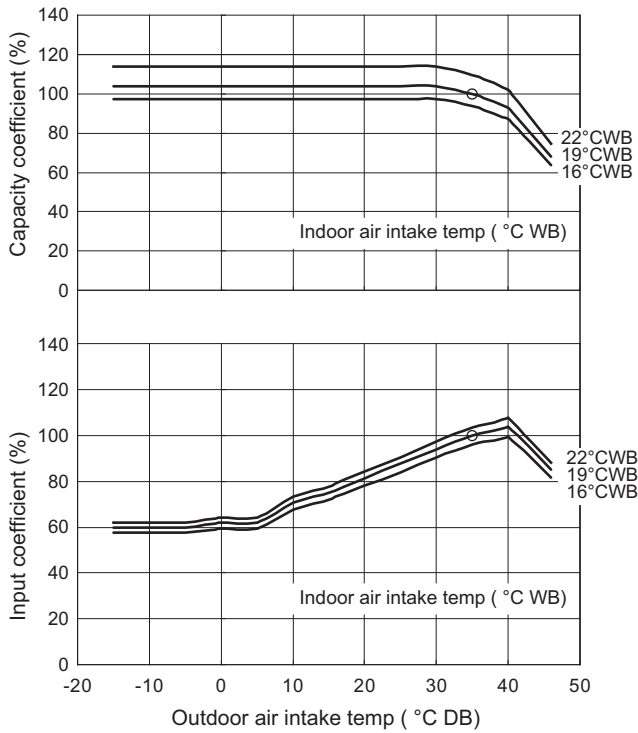
To calculate the heating capacity with consideration for frosting/defrosting operation, multiply the heating capacity found from the capacity graph by the correction coefficient from the table above.

1-5. Capacity Correction Graph According to Temperature Condition

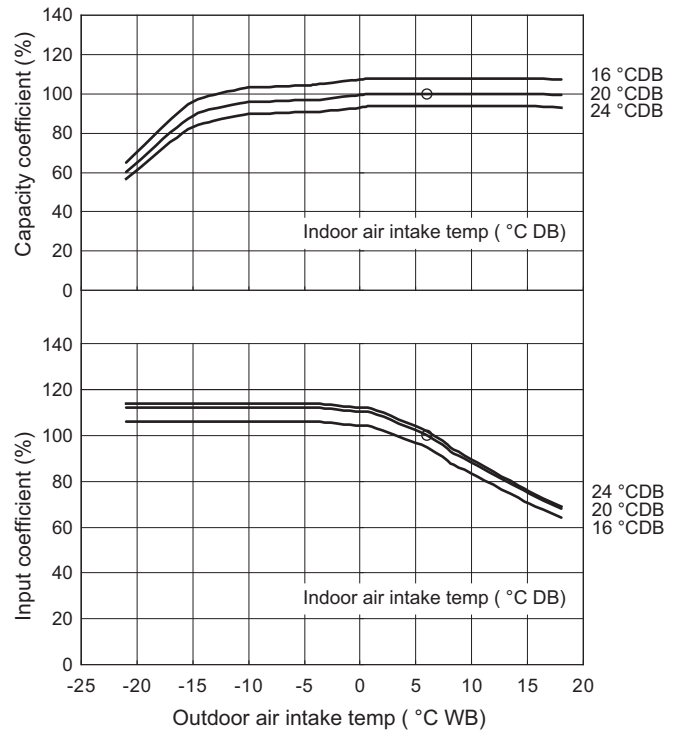
PE1

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

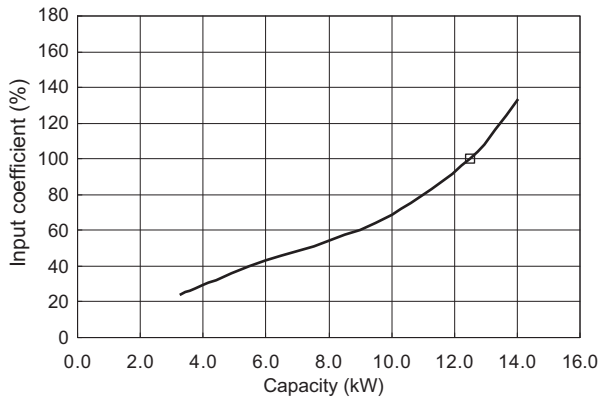
Cooling capacity ratio (maximum capacity)



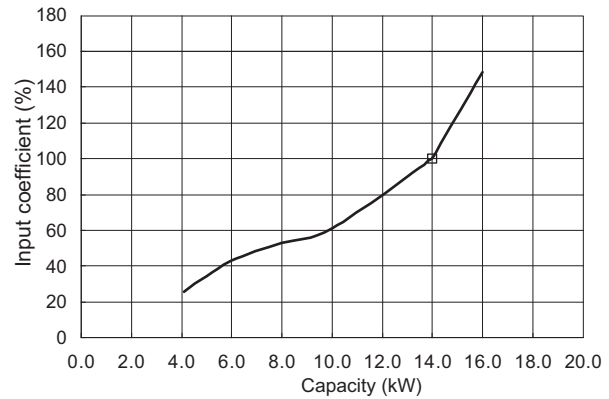
Heating capacity ratio (maximum capacity)



Cooling



Heating



Outdoor unit heating capacity correction coefficient during of frosting/defrosting

(RH approximately 85%)

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

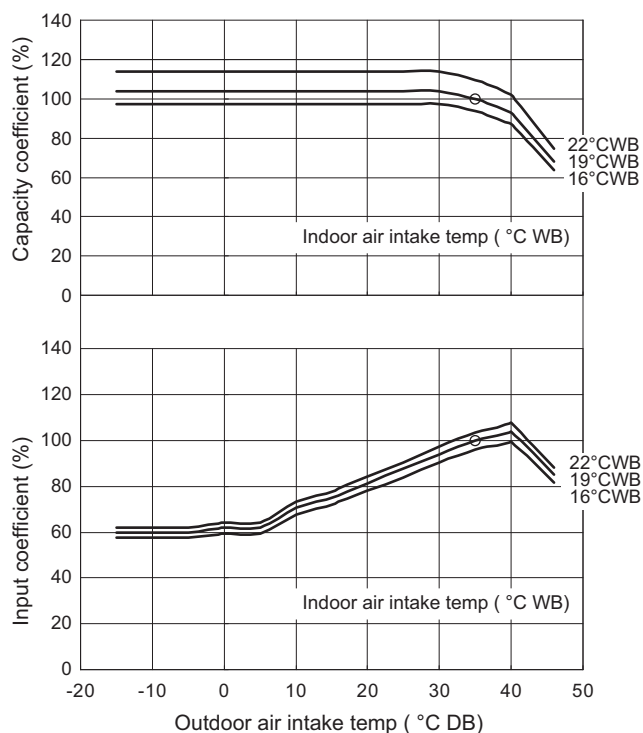
To calculate the heating capacity with consideration for frosting/defrosting operation, multiply the heating capacity found from the capacity graph by the correction coefficient from the table above.

1-5. Capacity Correction Graph According to Temperature Condition

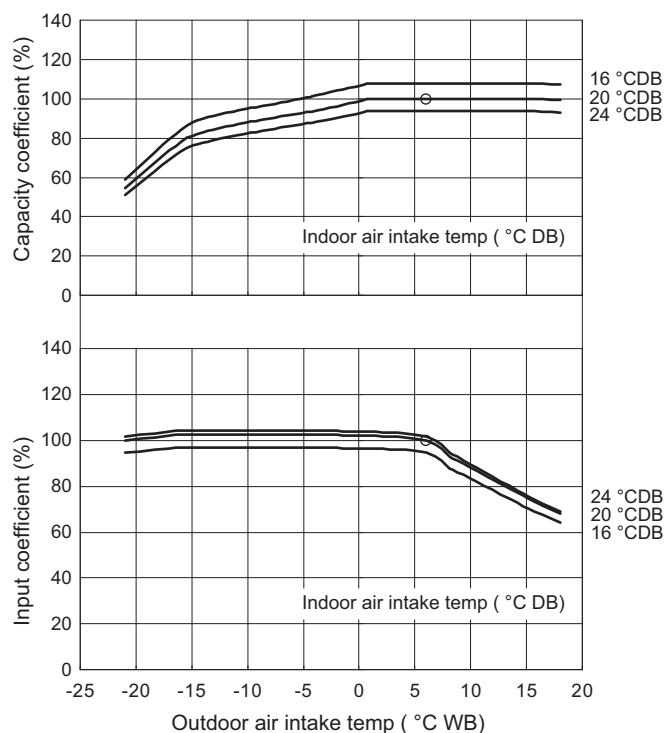
PE1

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

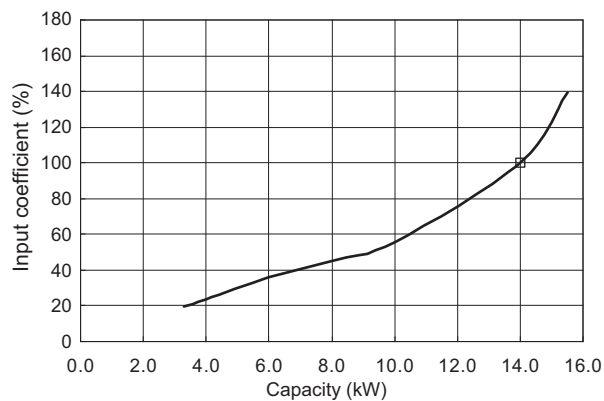
Cooling capacity ratio (maximum capacity)



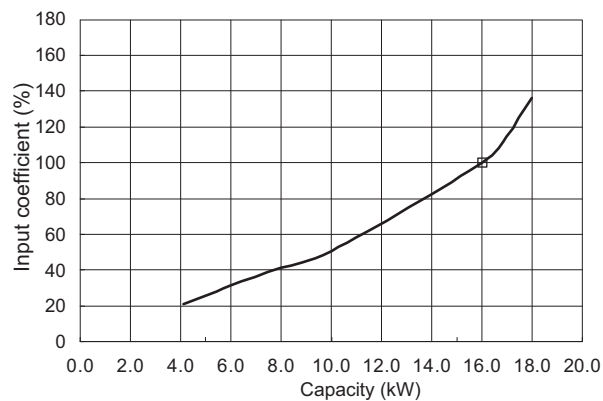
Heating capacity ratio (maximum capacity)



Cooling



Heating



Outdoor unit heating capacity correction coefficient during of frosting/defrosting

(RH approximately 85%)

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

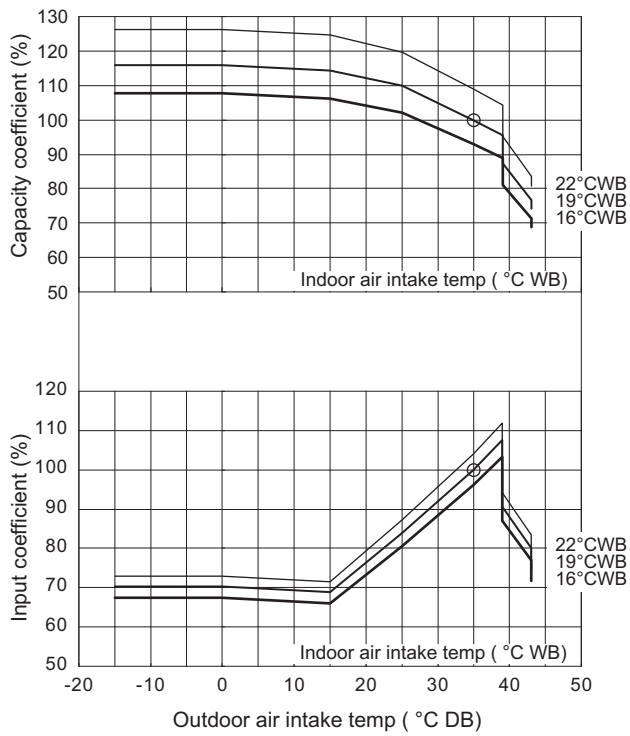
To calculate the heating capacity with consideration for frosting/defrosting operation, multiply the heating capacity found from the capacity graph by the correction coefficient from the table above.

1-5. Capacity Correction Graph According to Temperature Condition

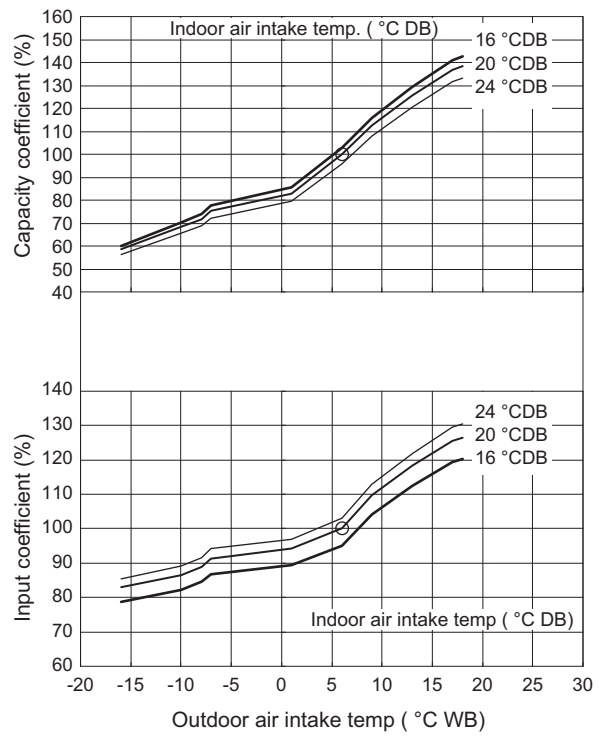
PEY1

U-60PEY1E5 (For 50 Hz)

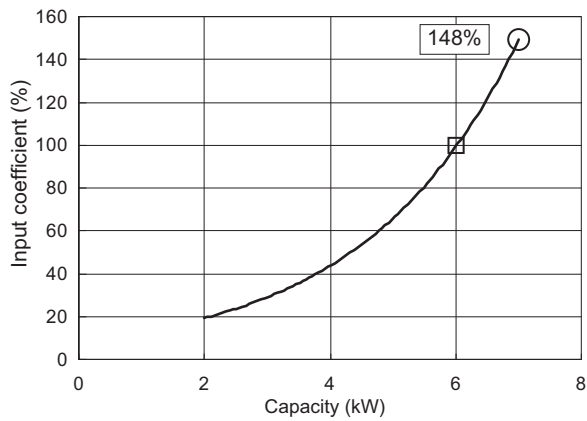
Cooling capacity ratio (maximum capacity)



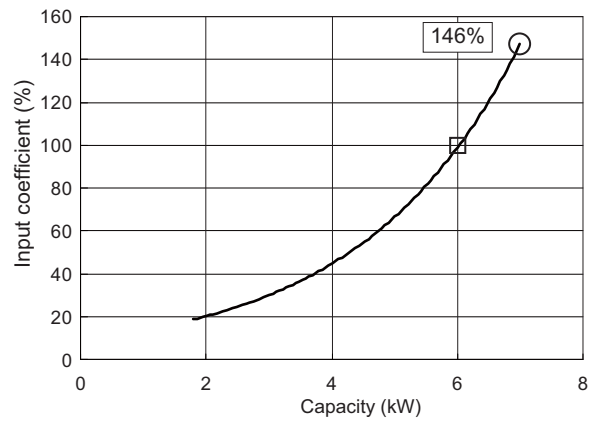
Heating capacity ratio (maximum capacity)



Cooling



Heating

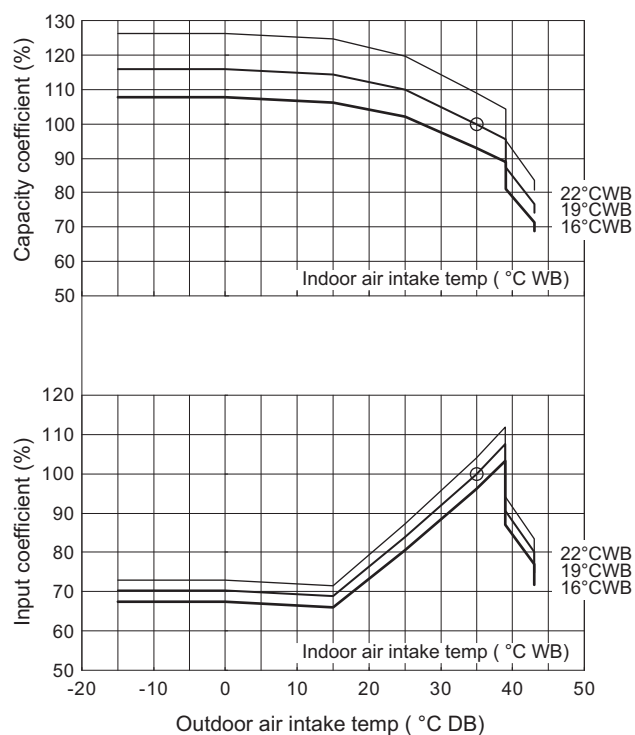


1-5. Capacity Correction Graph According to Temperature Condition

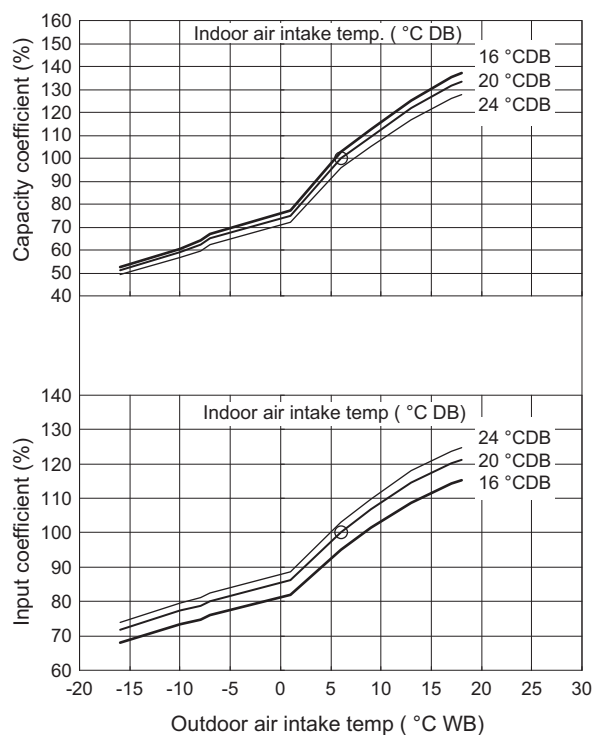
PEY1

U-71PEY1E5 (For 50 Hz)

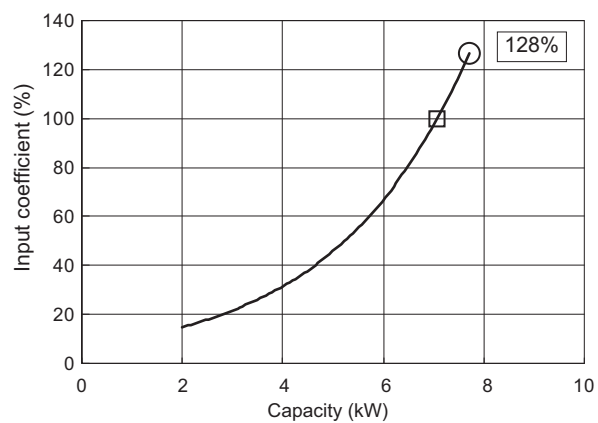
Cooling capacity ratio (maximum capacity)



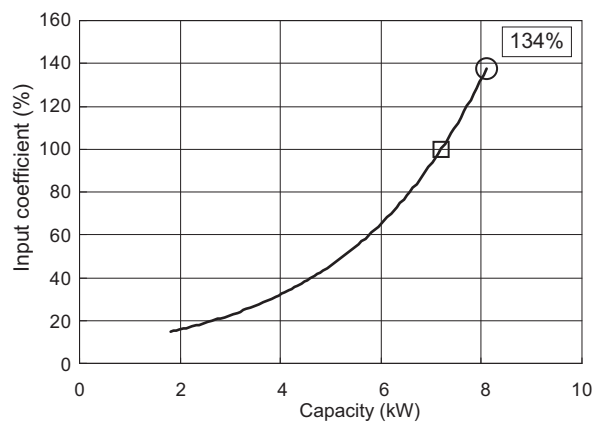
Heating capacity ratio (maximum capacity)



Cooling



Heating

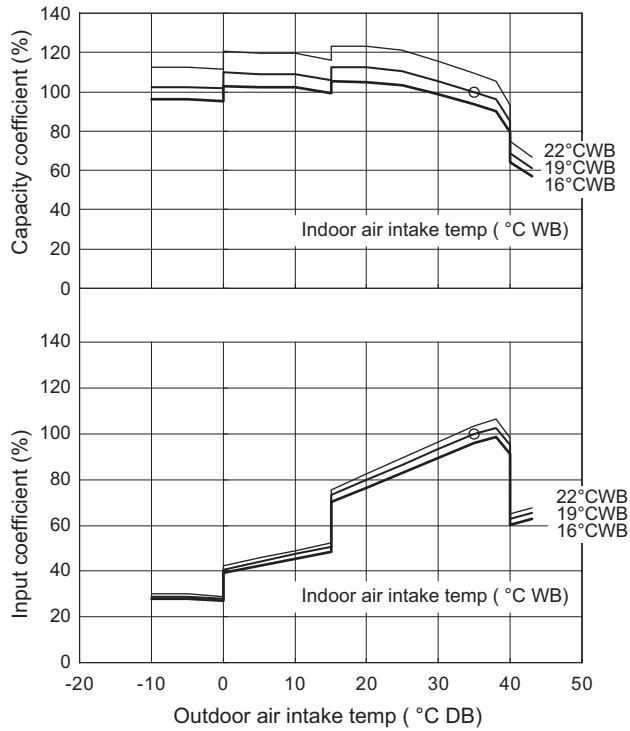


1-5. Capacity Correction Graph According to Temperature Condition

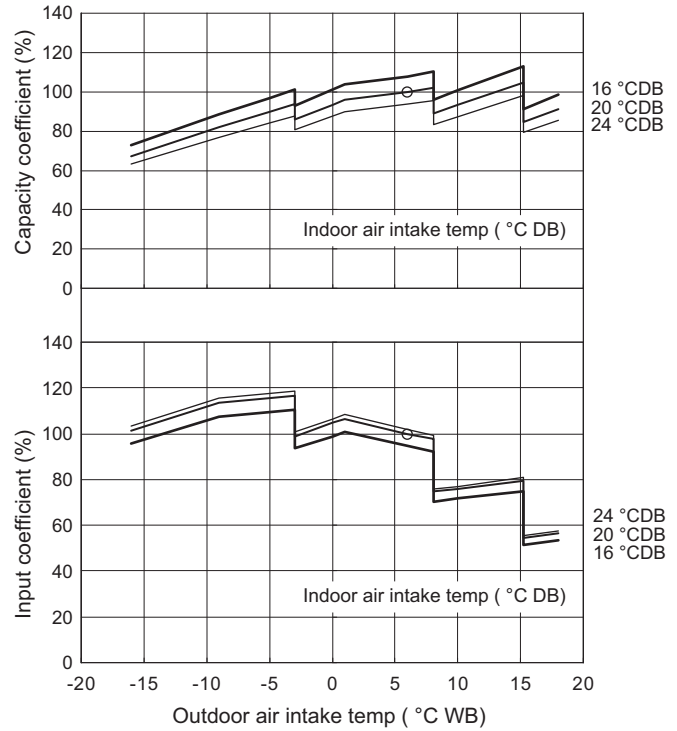
PEY1

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

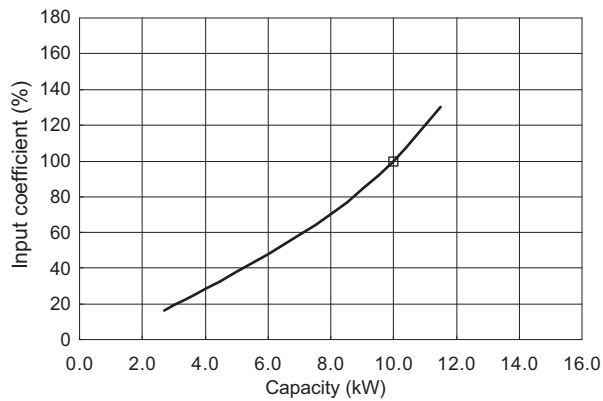
Cooling capacity ratio (maximum capacity)



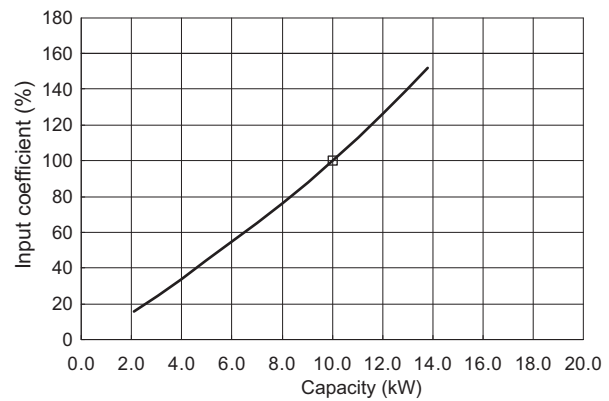
Heating capacity ratio (maximum capacity)



Cooling



Heating



Outdoor unit heating capacity correction coefficient during of frosting/defrosting

(RH approximately 85%)

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

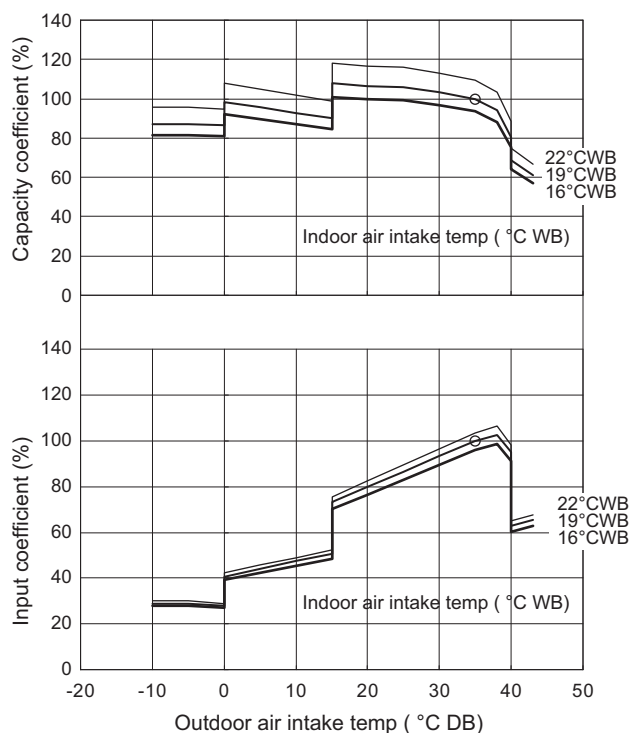
To calculate the heating capacity with consideration for frosting/defrosting operation, multiply the heating capacity found from the capacity graph by the correction coefficient from the table above.

1-5. Capacity Correction Graph According to Temperature Condition

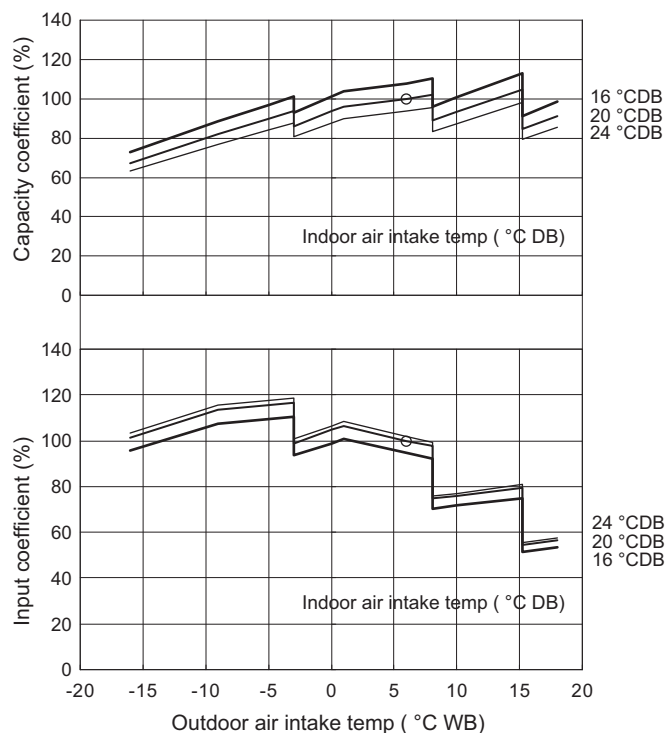
PEY1

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

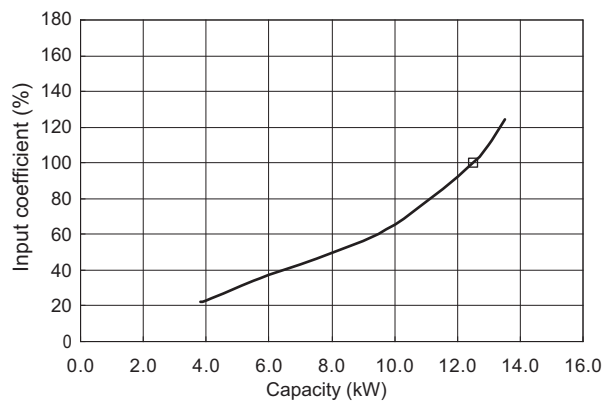
Cooling capacity ratio (maximum capacity)



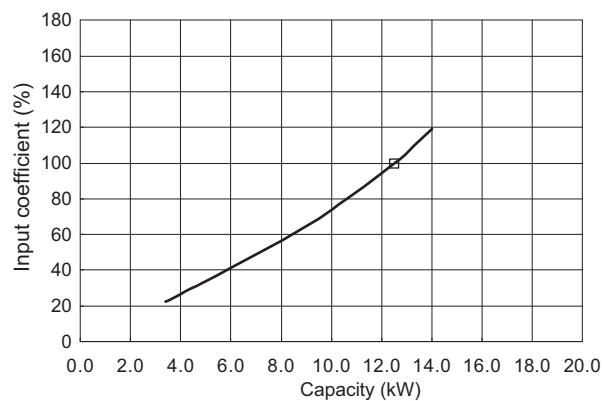
Heating capacity ratio (maximum capacity)



Cooling



Heating



Outdoor unit heating capacity correction coefficient during of frosting/defrosting

(RH approximately 85%)

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

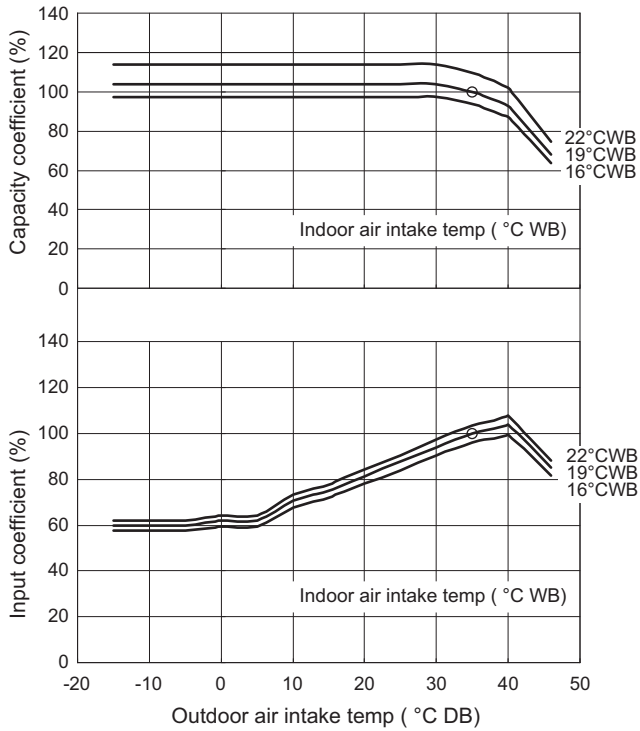
To calculate the heating capacity with consideration for frosting/defrosting operation, multiply the heating capacity found from the capacity graph by the correction coefficient from the table above.

1-5. Capacity Correction Graph According to Temperature Condition

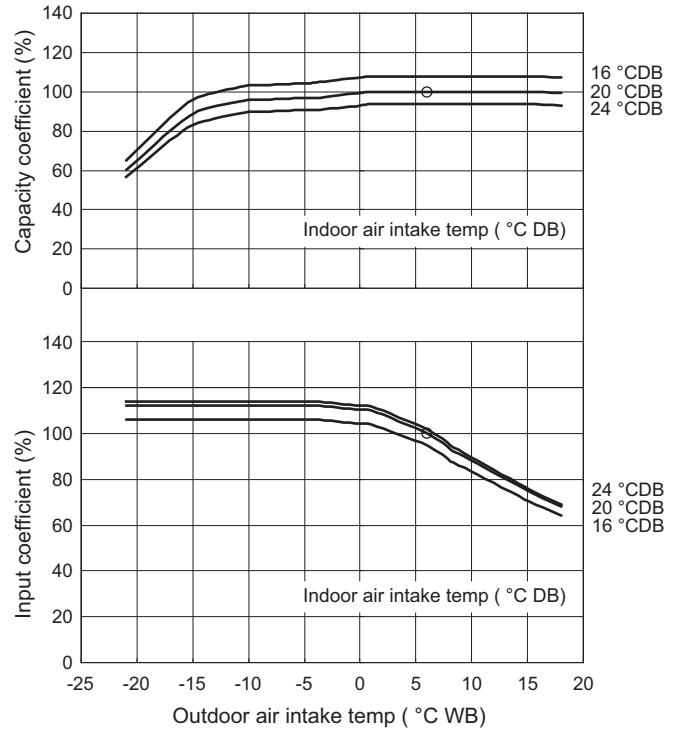
PEY1

U-140PEY1E8 (For 50 Hz)

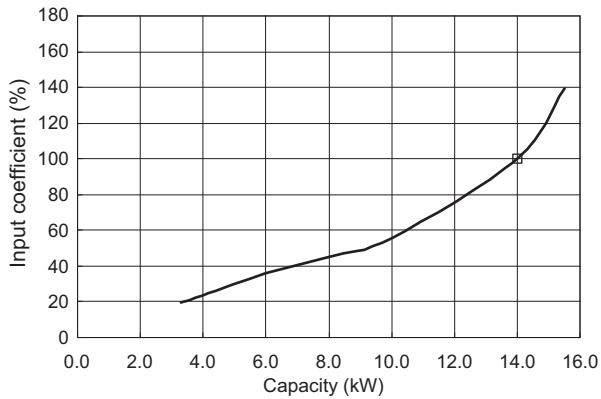
Cooling capacity ratio (maximum capacity)



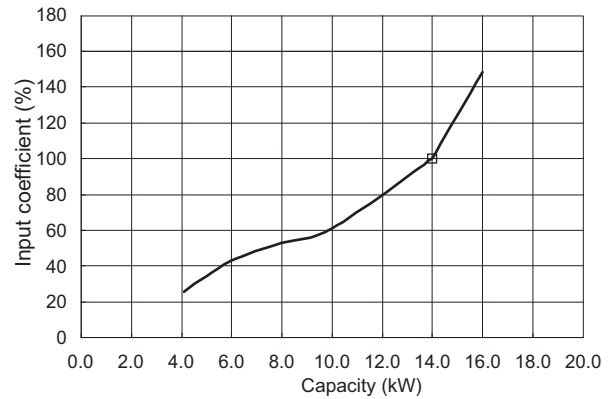
Heating capacity ratio (maximum capacity)



Cooling



Heating



Outdoor unit heating capacity correction coefficient during of frosting/defrosting

(RH approximately 85%)

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

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

1-6. Noise Criterion Curves

(A) Indoor Units:

Ceiling Type

—○— High
—□— Low

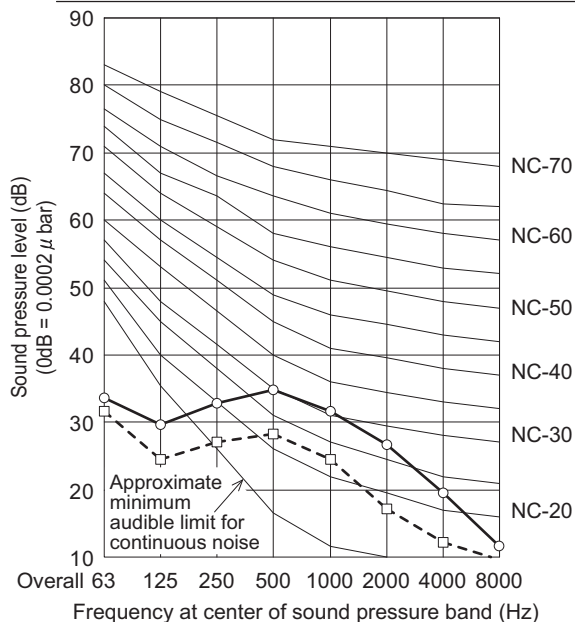
MODEL : S-36PT2E5A

SOUND LEVEL : High 36 dB(A)

Low 29 dB(A)

CONDITION : 1 m from front of outlet at height of 1 m

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



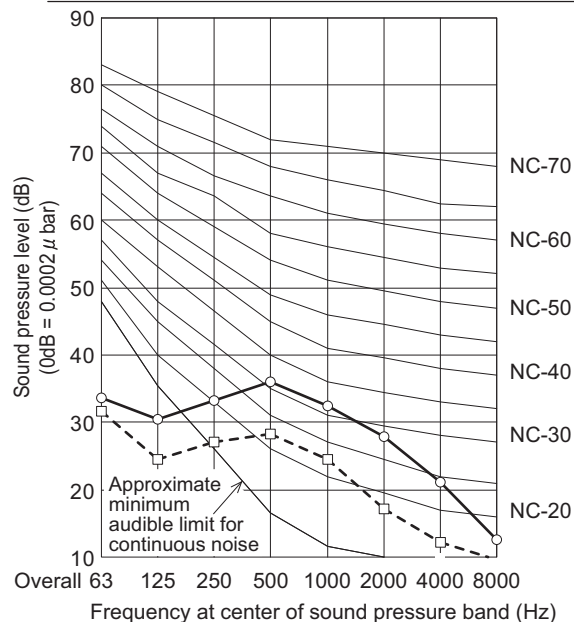
MODEL : S-45PT2E5A
S-50PT2E5A

SOUND LEVEL : High 37 dB(A)

Low 29 dB(A)

CONDITION : 1 m from front of outlet at height of 1 m

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



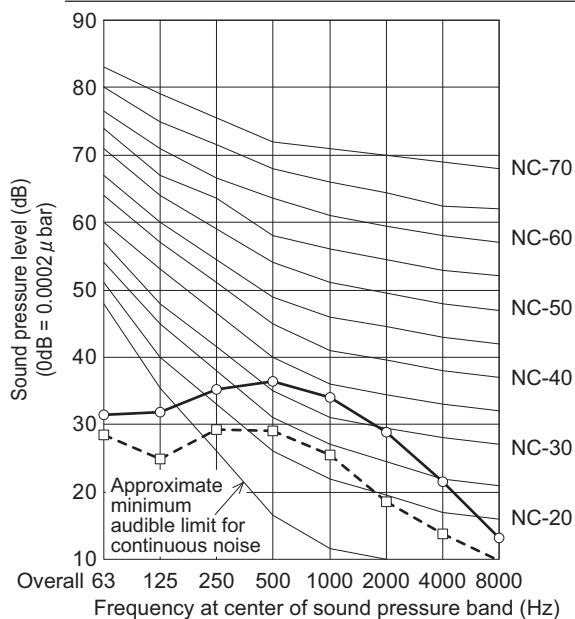
MODEL : S-60PT2E5A

SOUND LEVEL : High 38 dB(A)

Low 30 dB(A)

CONDITION : 1 m from front of outlet at height of 1 m

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



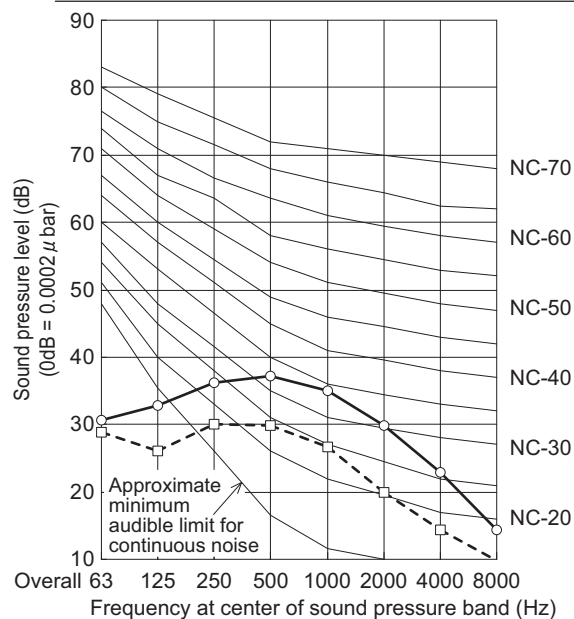
MODEL : S-71PT2E5A

SOUND LEVEL : High 39 dB(A)

Low 31 dB(A)

CONDITION : 1 m from front of outlet at height of 1 m

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



1-6. Noise Criterion Curves

(A) Indoor Units:

Ceiling Type

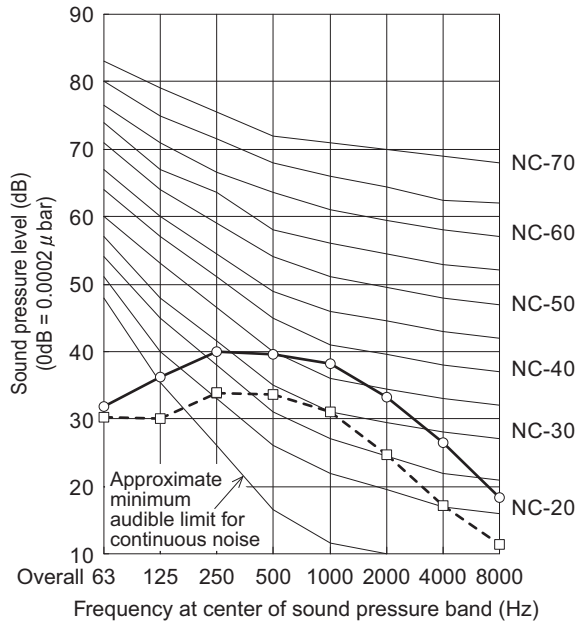
MODEL : S-100PT2E5A

SOUND LEVEL : High 42 dB(A)

Low 35 dB(A)

CONDITION : 1 m from front of outlet at height of 1 m

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



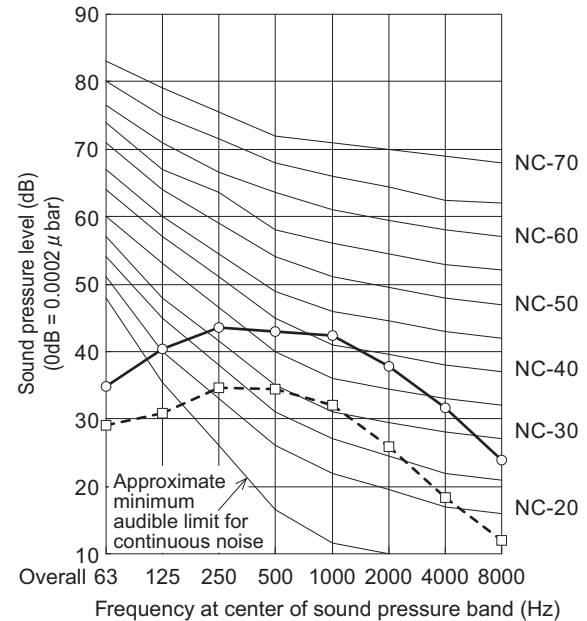
MODEL : S-125PT2E5A

SOUND LEVEL : High 46 dB(A)

Low 36 dB(A)

CONDITION : 1 m from front of outlet at height of 1 m

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



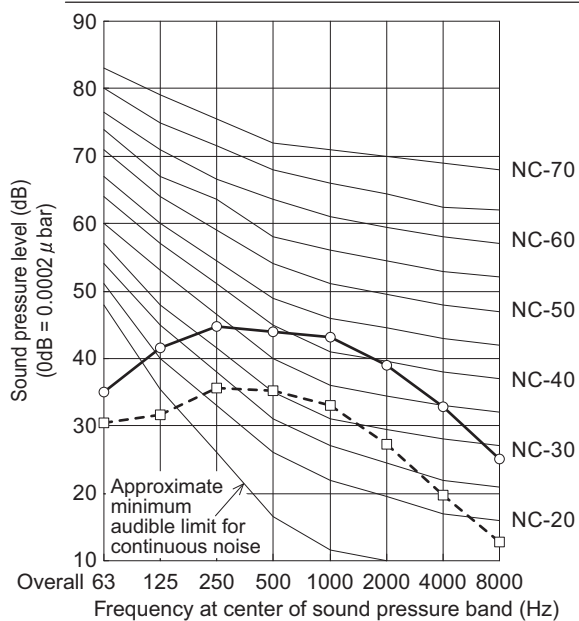
MODEL : S-140PT2E5A

SOUND LEVEL : High 47 dB(A)

Low 37 dB(A)

CONDITION : 1 m from front of outlet at height of 1 m

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



1-6. Noise Criterion Curves

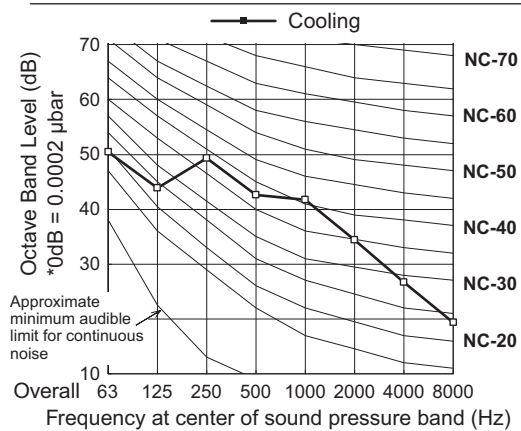
(B) Outdoor Unit

MODEL : U-50PE1E5

SOUND LEVEL : Cooling 46 dB(A)

CONDITION : 1 m in front at height of 1.5 m

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

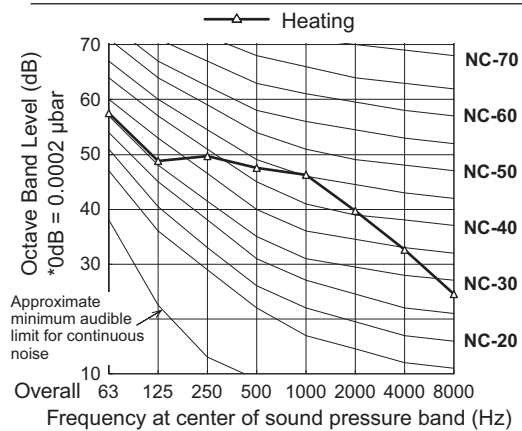


MODEL : U-50PE1E5

SOUND LEVEL : Heating 50 dB(A)

CONDITION : 1 m in front at height of 1.5 m

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



1-6. Noise Criterion Curves

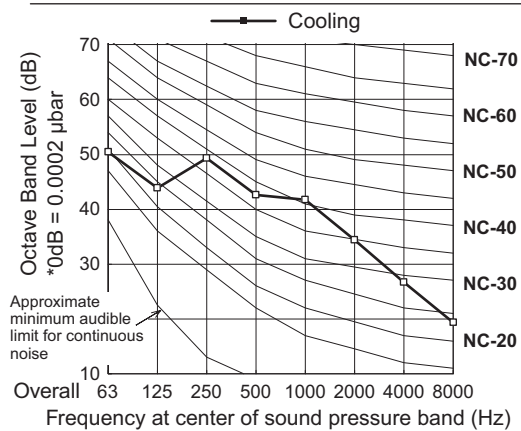
(B) Outdoor Unit

MODEL : U-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

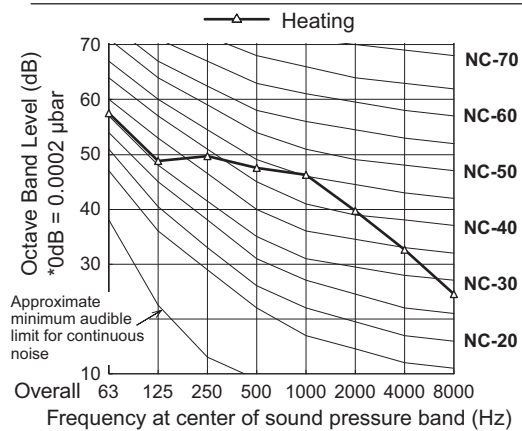


MODEL : U-50PE1E5

SOUND LEVEL : Heating 50 dB(A)

CONDITION : 1 m in front at height of 1.5 m

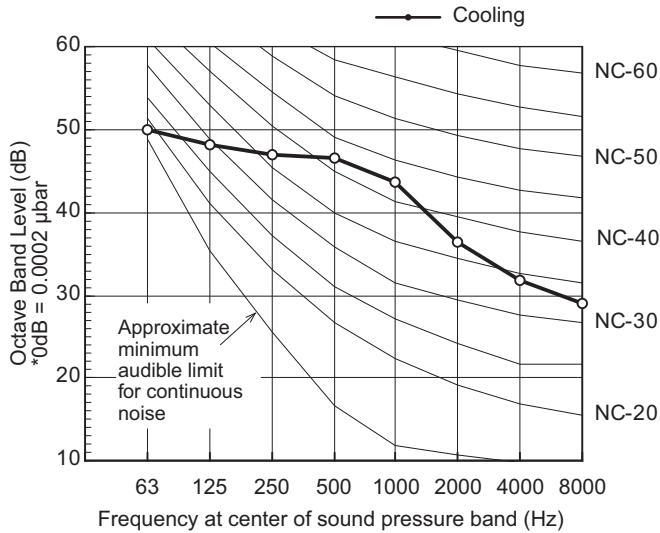
SOURCE : 220-230-240V, 1 phase, 50Hz



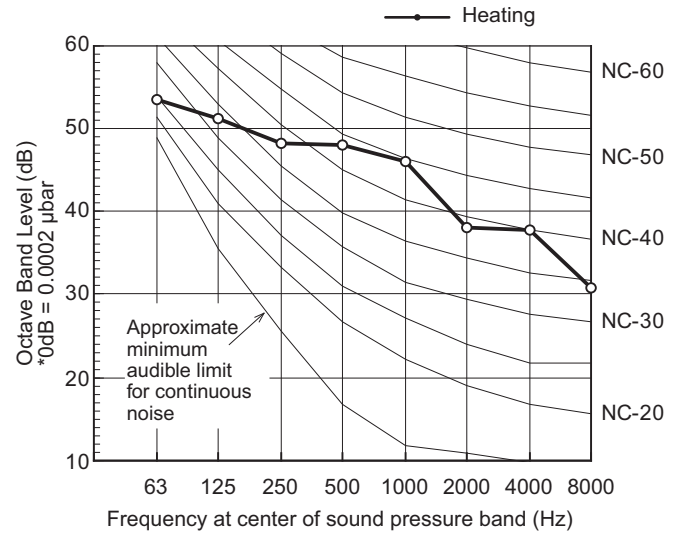
1-6. Noise Criterion Curves

(B) Outdoor Unit

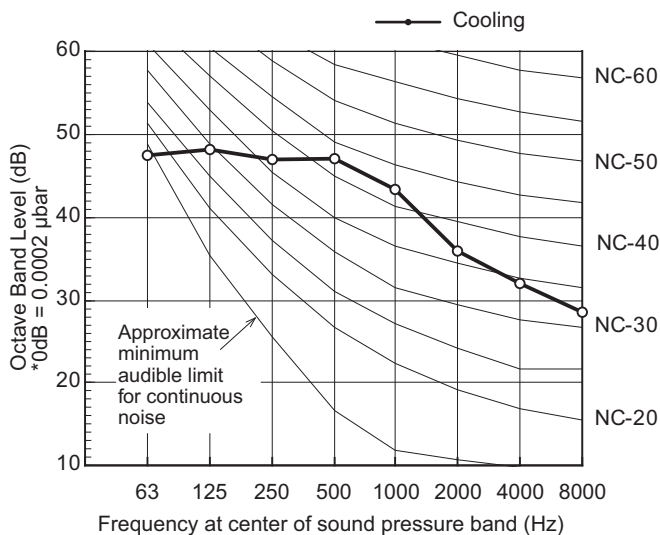
MODEL	: U-60PE1E5A
SOUND LEVEL	: Cooling 48 dB(A)
CONDITION	: 1 m in front at height of 1.5 m
SOURCE	: 220-230-240V, 1 phase, 50Hz



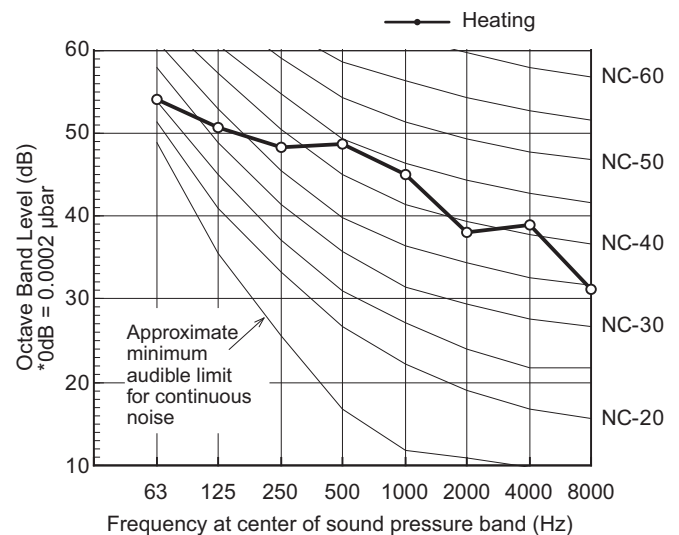
MODEL	: U-60PE1E5A
SOUND LEVEL	: Heating 50 dB(A)
CONDITION	: 1 m in front at height of 1.5 m
SOURCE	: 220-230-240V, 1 phase, 50Hz



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 3 phase model : 380-400-415V, 3 phase, 50Hz



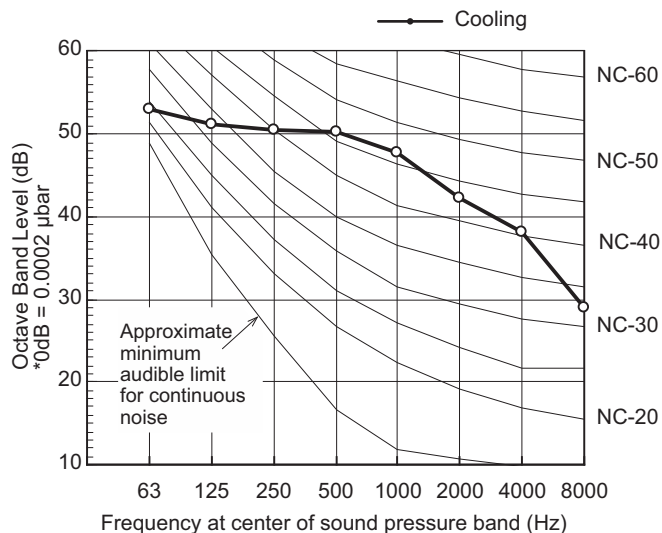
MODEL	: U-71PE1E5A, U-71PE1E8A
SOUND LEVEL	: Heating 50 dB(A)
CONDITION	: 1 m in front at height of 1.5 m
SOURCE	1 phase model : 220-230-240V, 1 phase, 50Hz 3 phase model : 380-400-415V, 3 phase, 50Hz



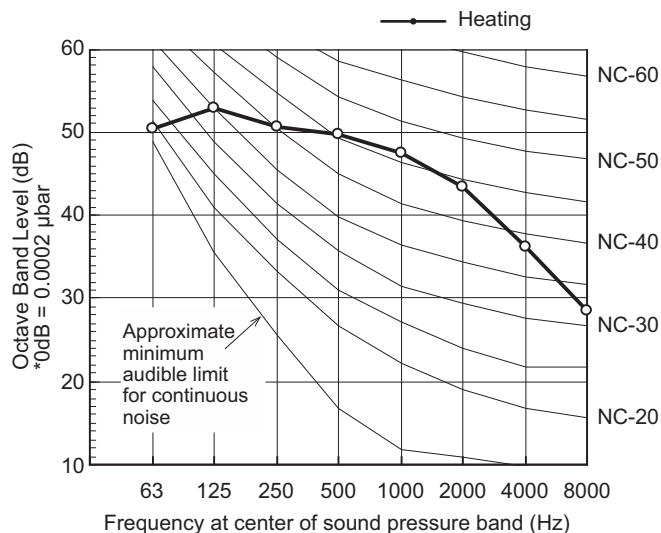
1-6. Noise Criterion Curves

(B) Outdoor Unit

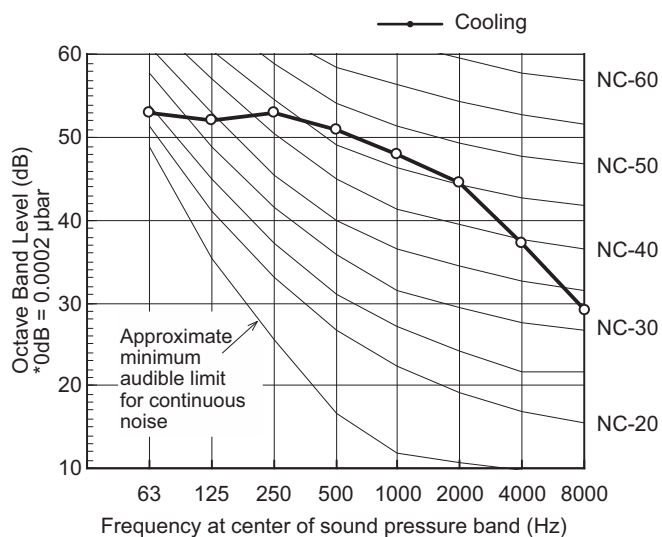
MODEL : U-100PE1E5A, U-100PE1E8A
 SOUND LEVEL : Cooling 52 dB(A)
 CONDITION : 1 m in front at height of 1.5 m
 SOURCE 1 phase model : 220-230-240V, 1 phase, 50Hz
 3 phase model : 380-400-415V, 3 phase, 50Hz



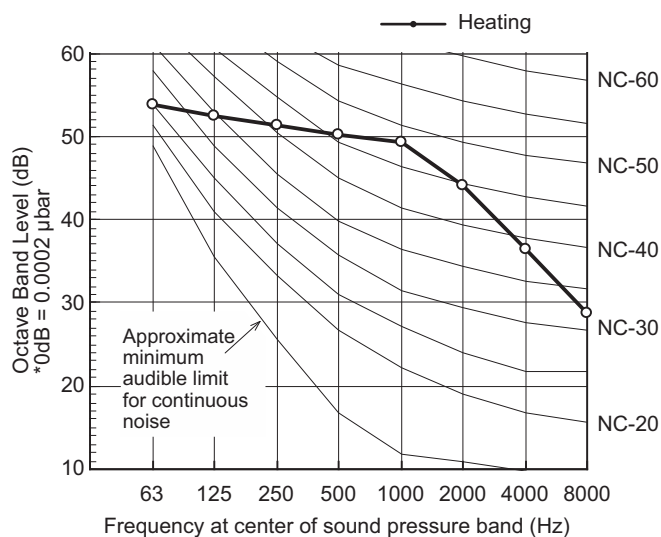
MODEL : U-100PE1E5A, U-100PE1E8A
 SOUND LEVEL : Heating 52 dB(A)
 CONDITION : 1 m in front at height of 1.5 m
 SOURCE 1 phase model : 220-230-240V, 1 phase, 50Hz
 3 phase model : 380-400-415V, 3 phase, 50Hz



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



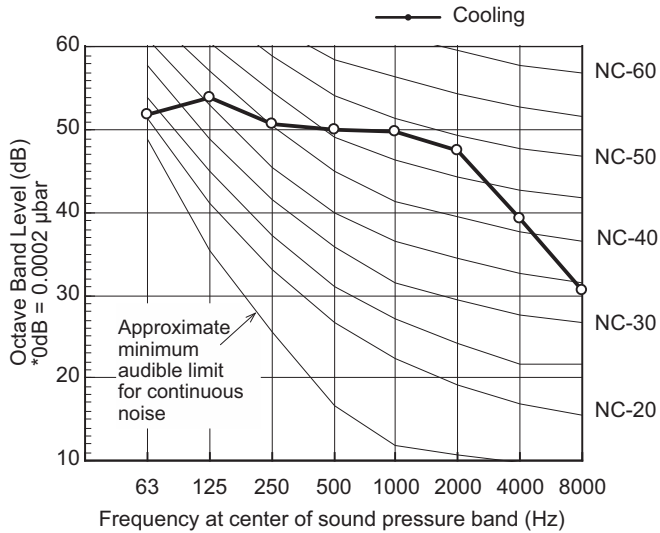
MODEL : U-125PE1E5A, U-125PE1E8A
 SOUND LEVEL : Heating 53 dB(A)
 CONDITION : 1 m in front at height of 1.5 m
 SOURCE 1 phase model : 220-230-240V, 1 phase, 50Hz
 3 phase model : 380-400-415V, 3 phase, 50Hz



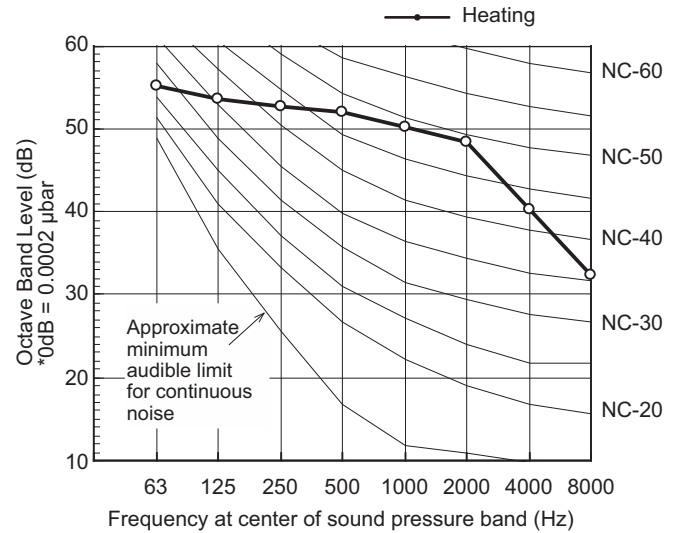
1-6. Noise Criterion Curves

(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



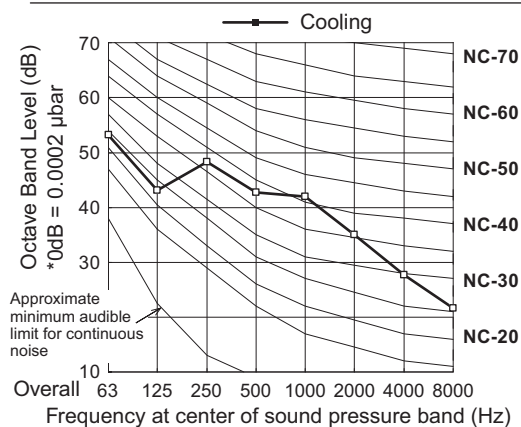
MODEL : U-140PE1E5A, U-140PE1E8A
 SOUND LEVEL : Heating 55 dB(A)
 CONDITION : 1 m in front at height of 1.5 m
 SOURCE 1 phase model : 220-230-240V, 1 phase, 50Hz
 3 phase model : 380-400-415V, 3 phase, 50Hz



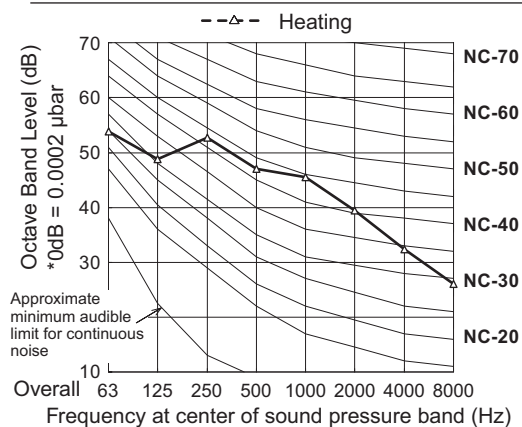
1-6. Noise Criterion Curves

(B) Outdoor Unit

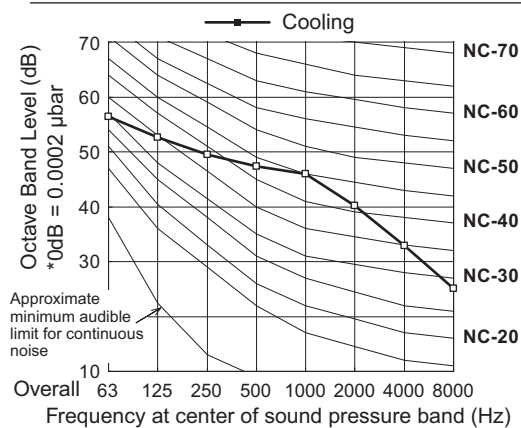
MODEL	: U-60PEY1E5
SOUND LEVEL	: Cooling 46 dB(A)
CONDITION	: 1 m in front at height of 1.5 m
SOURCE	: 220-230-240V, 1 phase, 50Hz



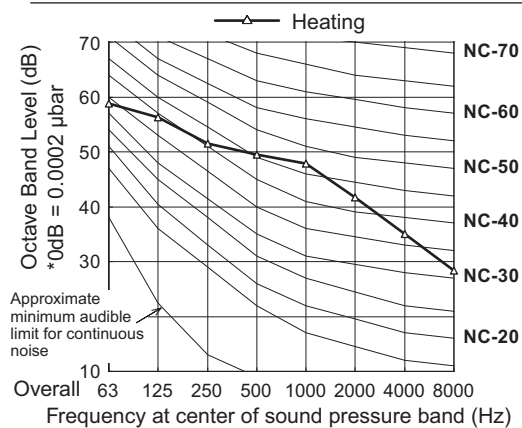
MODEL	: U-60PEY1E5
SOUND LEVEL	: Heating 50 dB(A)
CONDITION	: 1 m in front at height of 1.5 m
SOURCE	: 220-230-240V, 1 phase, 50Hz



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



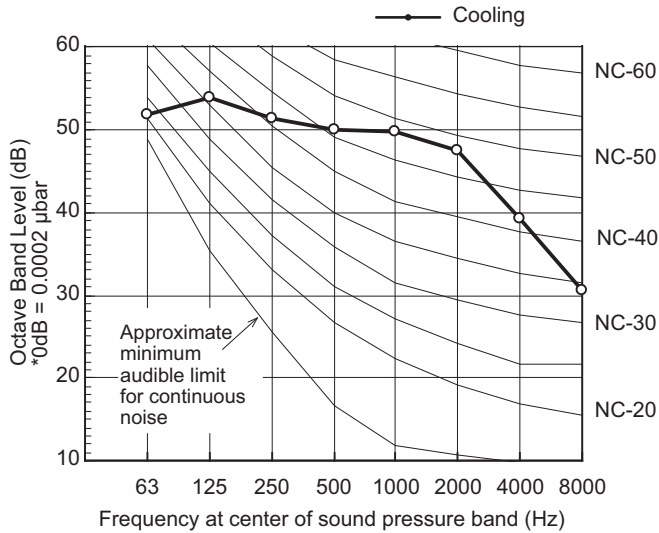
MODEL	: U-71PEY1E5
SOUND LEVEL	: Heating 52 dB(A)
CONDITION	: 1 m in front at height of 1.5 m
SOURCE	: 220-230-240V, 1 phase, 50Hz



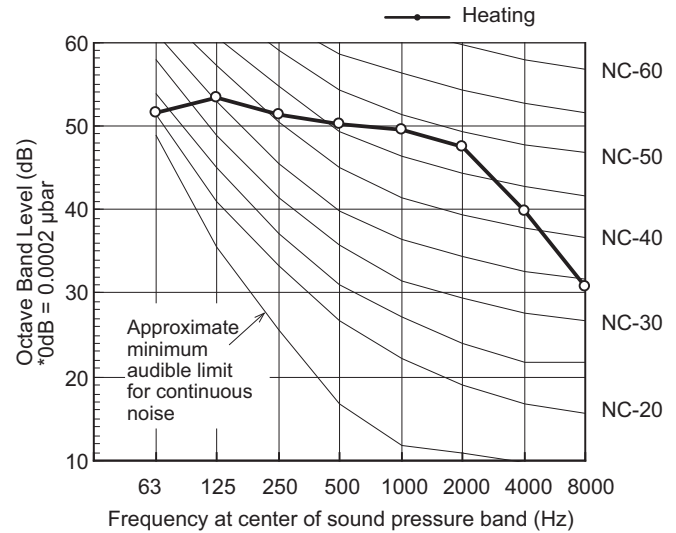
1-6. Noise Criterion Curves

(B) Outdoor Unit

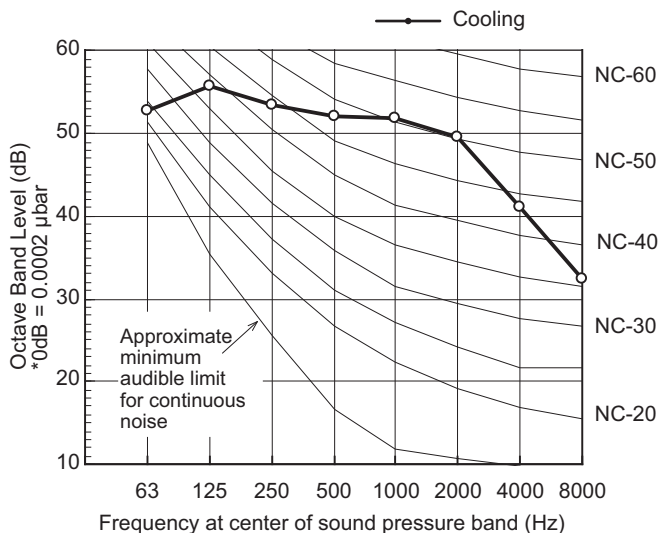
MODEL : U-100PEY1E5, U-100PEY1E8
 SOUND LEVEL : Cooling 54 dB(A)
 CONDITION : 1 m in front at height of 1.5 m
 SOURCE 1 phase model : 220-230-240V, 1 phase, 50Hz
 3 phase model : 380-400-415V, 3 phase, 50Hz



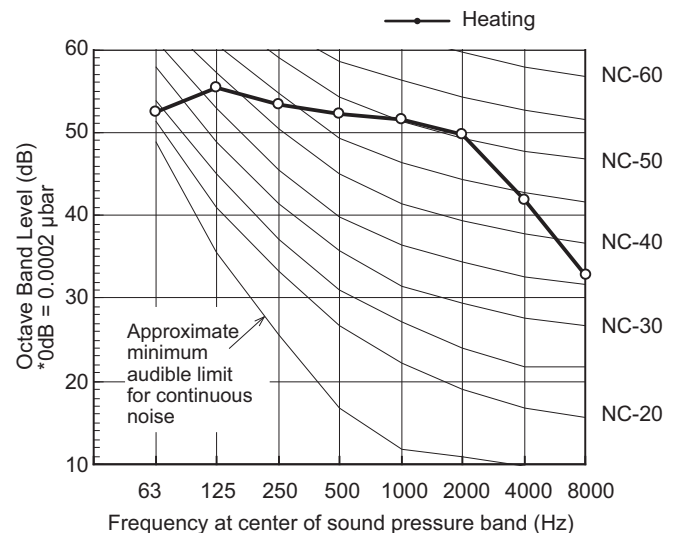
MODEL : U-100PEY1E5, U-100PEY1E8
 SOUND LEVEL : Heating 54 dB(A)
 CONDITION : 1 m in front at height of 1.5 m
 SOURCE 1 phase model : 220-230-240V, 1 phase, 50Hz
 3 phase model : 380-400-415V, 3 phase, 50Hz



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



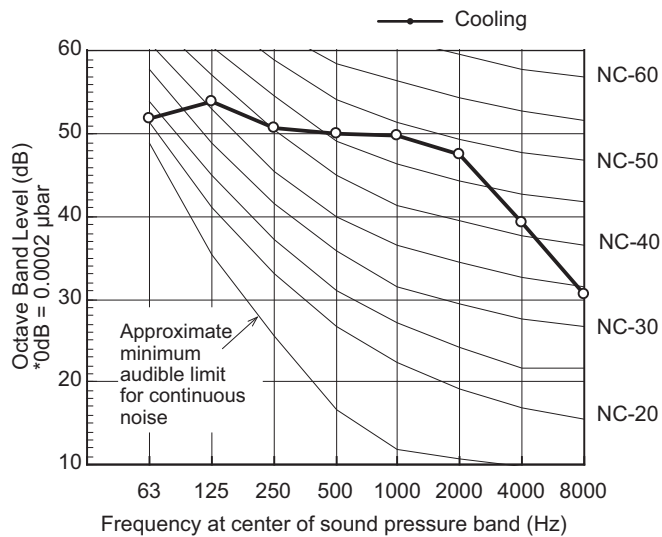
MODEL : U-125PEY1E5, U-125PEY1E8
 SOUND LEVEL : Heating 56 dB(A)
 CONDITION : 1 m in front at height of 1.5 m
 SOURCE 1 phase model : 220-230-240V, 1 phase, 50Hz
 3 phase model : 380-400-415V, 3 phase, 50Hz



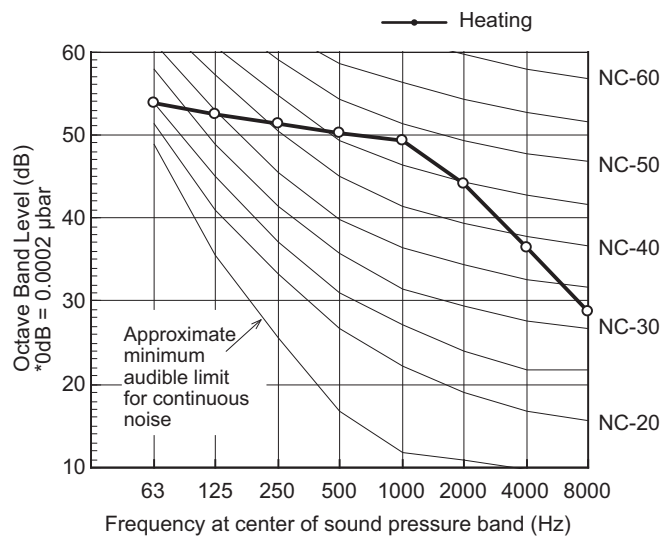
1-6. Noise Criterion Curves

(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



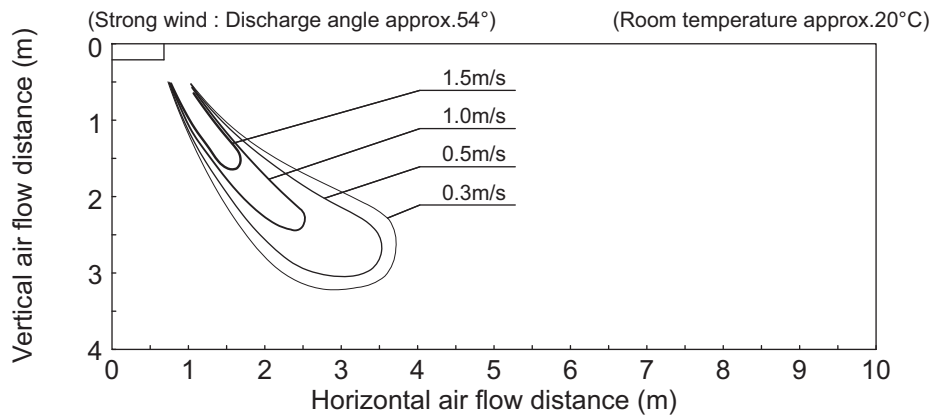
MODEL	: U-140PEY1E8
SOUND LEVEL	: Heating 53 dB(A)
CONDITION	: 1 m in front at height of 1.5 m
SOURCE	: 380-400-415V, 3 phase, 50Hz



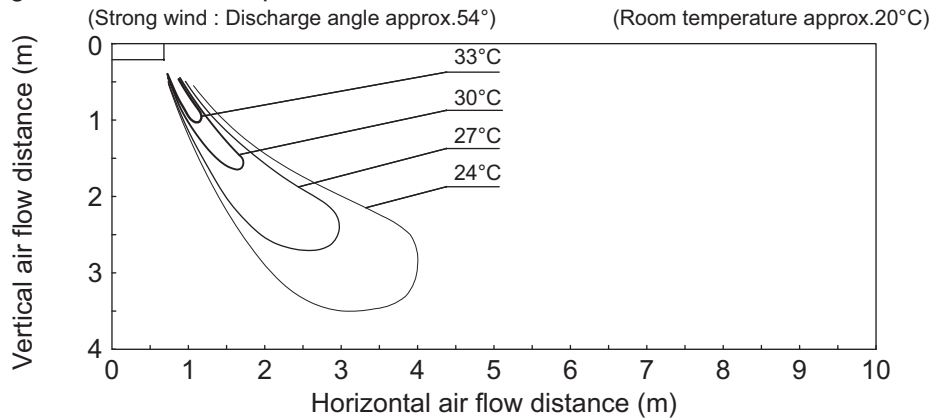
Ceiling (T2 Type)

S-36PT2E5A / 45PT2E5A / 50PT2E5A

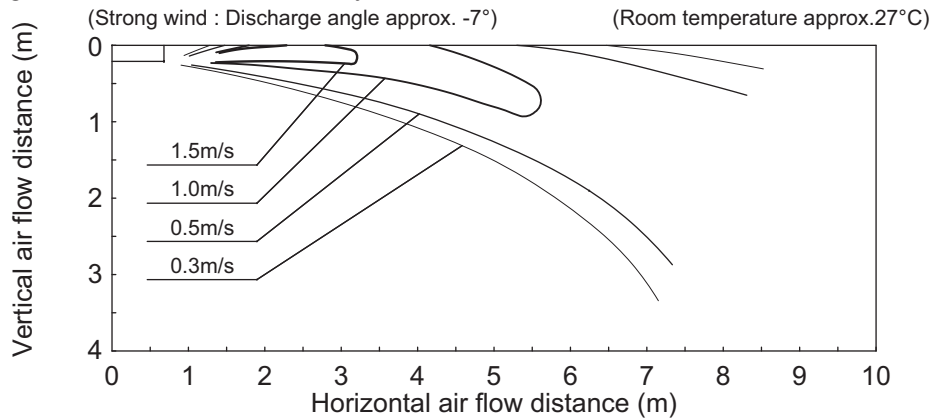
Heating : Distribution of wind velocity



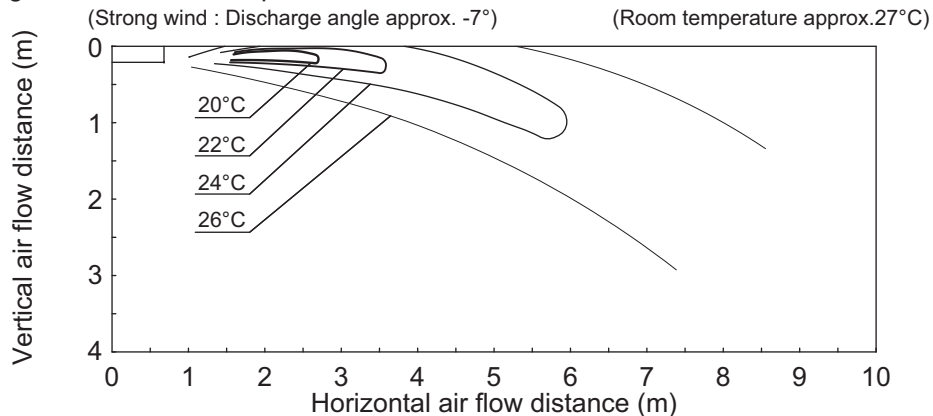
Heating : Distribution of temperature



Cooling : Distribution of wind velocity



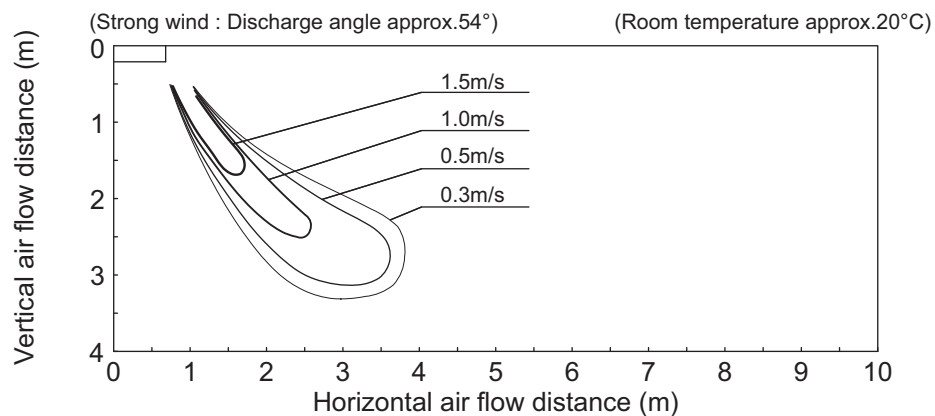
Cooling : Distribution of temperature



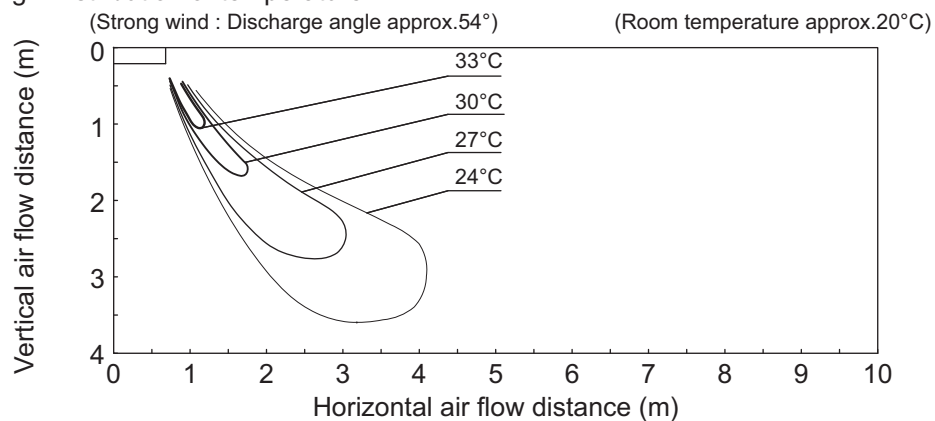
Ceiling (T2 Type)

S-60PT2E5A / 71PT2E5A

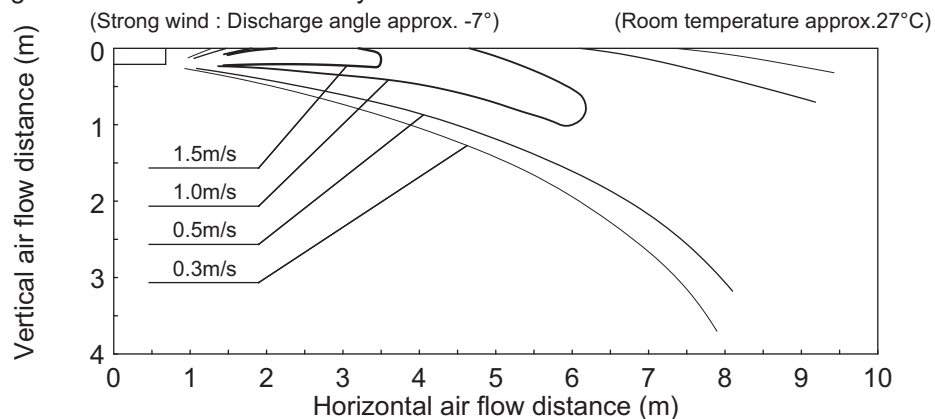
Heating : Distribution of wind velocity



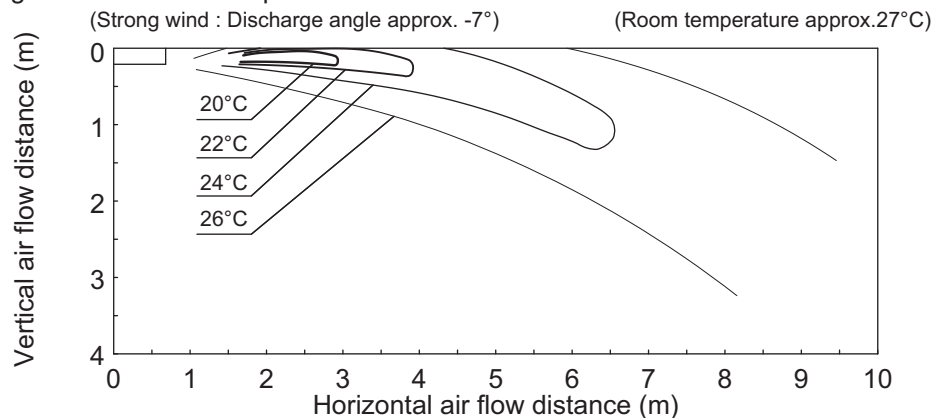
Heating : Distribution of temperature



Cooling : Distribution of wind velocity



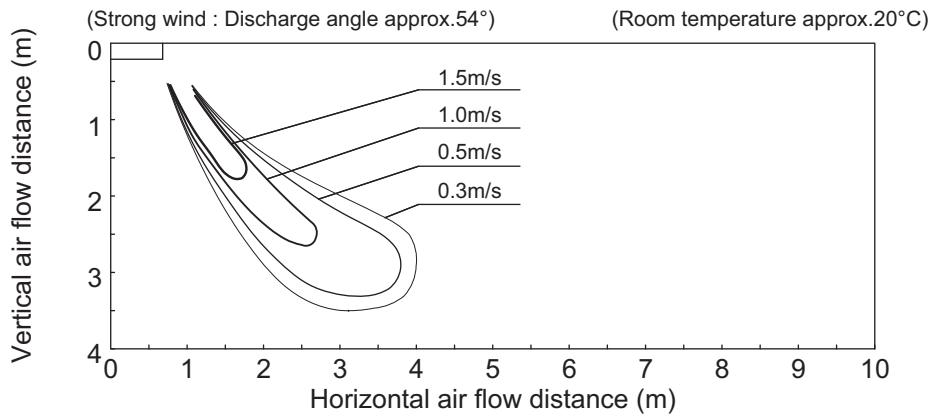
Cooling : Distribution of temperature



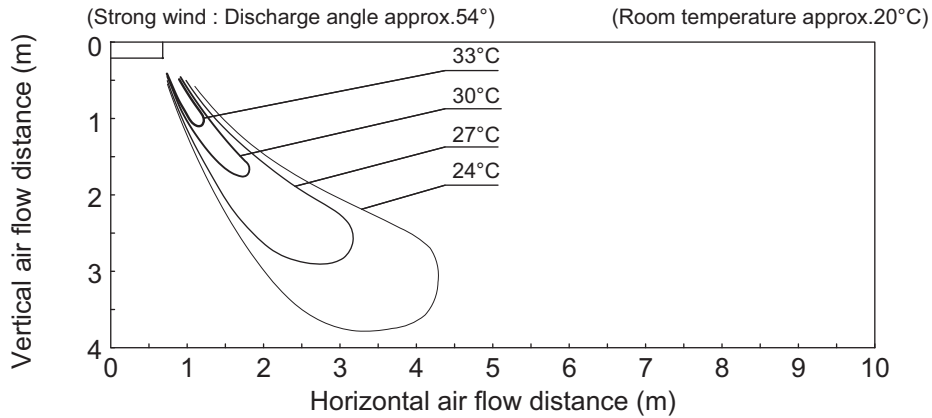
Ceiling (T2 Type)

S-100PT2E5A / 125PT2E5A / 140PT2E5A

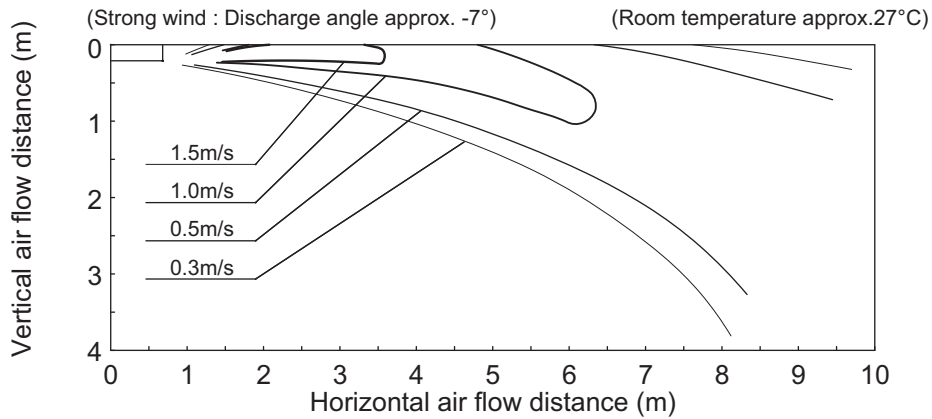
Heating : Distribution of wind velocity



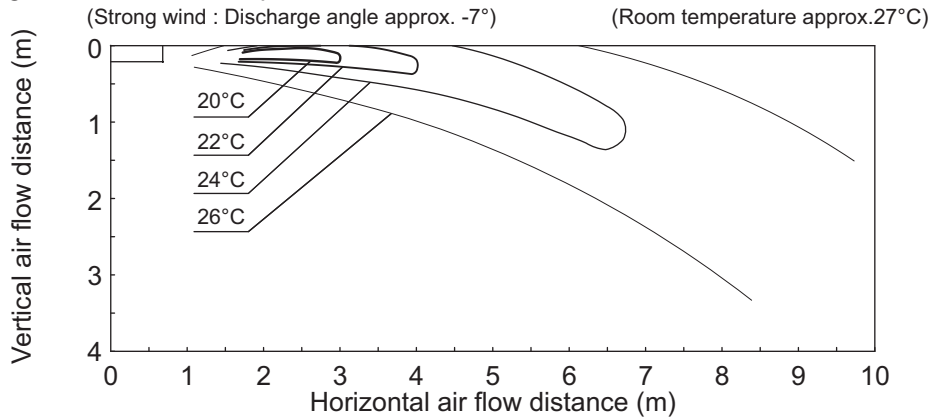
Heating : Distribution of temperature



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

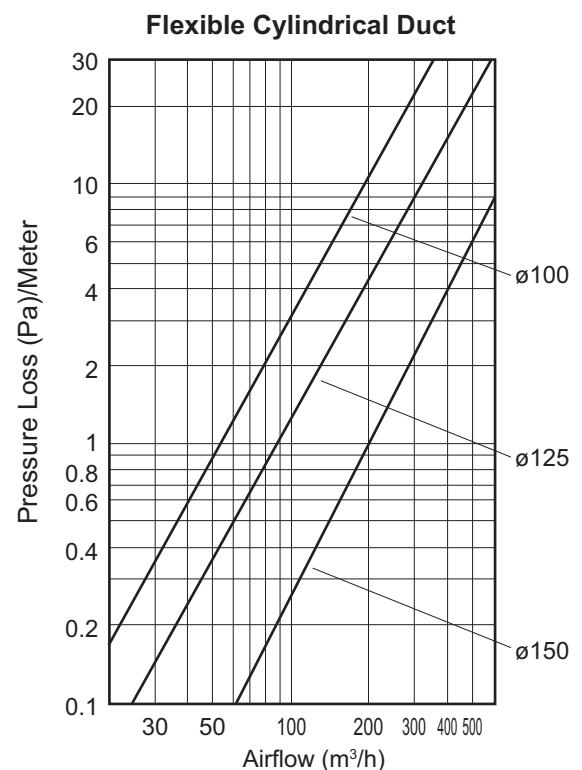
Ensure that the design for external air intake is coupled with the fan blower operations of the indoor unit.
There are cases in which the dust that accumulates in the filter is blown into the room if the external air is fed from the filter. There are also cases in which the noise of external air being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

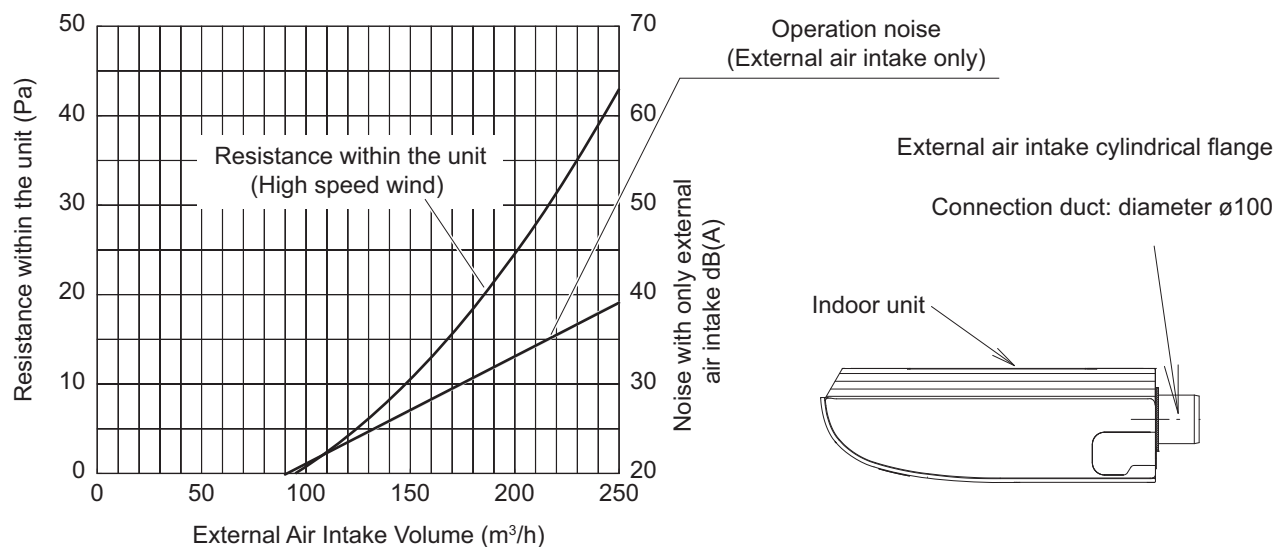


Air Flow Volume for Flexible Cylindrical Duct-Pressure Loss

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

● Ceiling (T2 Type)

1-9-2-3. In a Case of External Air Intake to Unit Directly (Using external air intake cylindrical flange)



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

With the External Air Intake Flange Attached

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

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

Type	36	45	50	60	71	100	125	140
Permissible air intake volume (m³/h)	160	170	170	200	210	240	240	240

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

1-10. Electrical Wiring

■ General Precautions on Wiring

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



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

■ Recommended Wire Length and Wire Diameter for Power Supply System

Indoor unit

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

Indoor unit

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

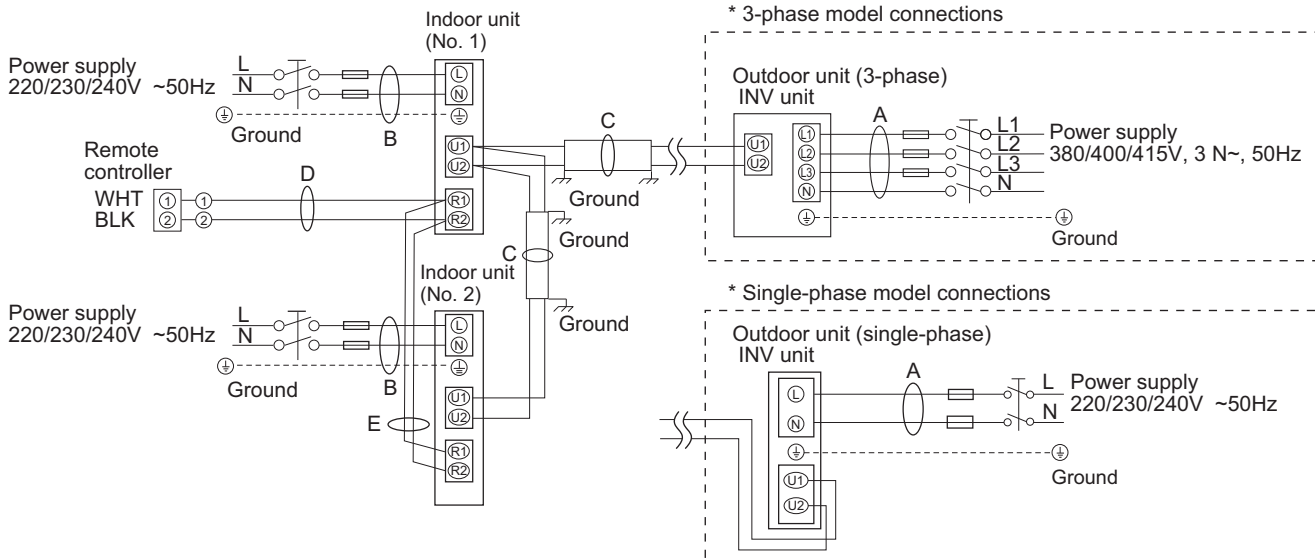
Control wiring

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

NOTE

* With ring-type wire terminal.

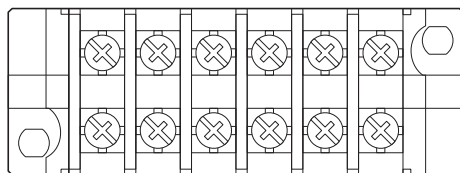
■ Wiring System Diagrams



NOTE

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

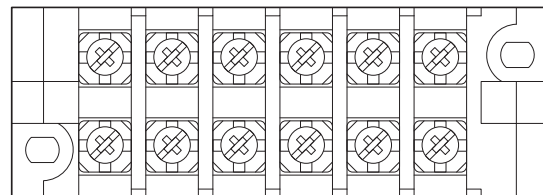
6P terminal board



L	N	U1	U2	R1	R2
Power supply		Unit control line		Remote control line	

U1 Type

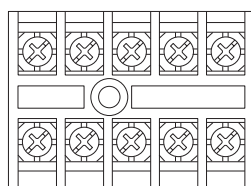
6P terminal board



L	N	U1	U2	R1	R2
Power supply		Unit control line		Remote control line	

T2, F1 Type

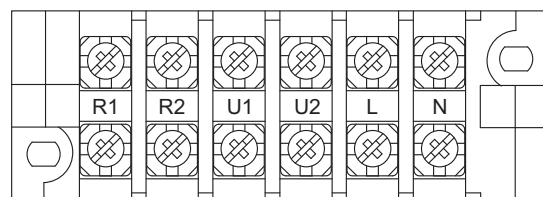
5P terminal board



L	N	U1	U2
Power		Unit	
supply		control	
		line	

K1 Type

6P terminal board



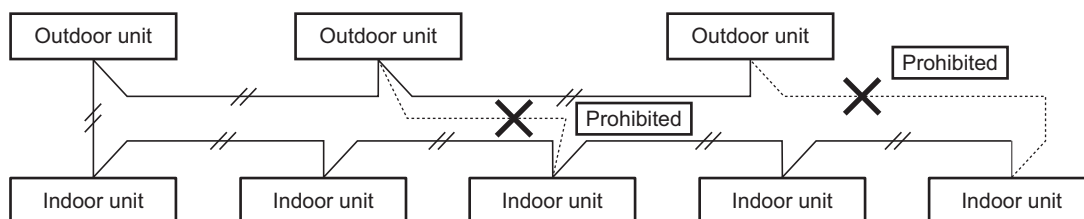
R1	R2	U1	U2	L	N
Remote control line		Unit control line		Power supply	

N1Type

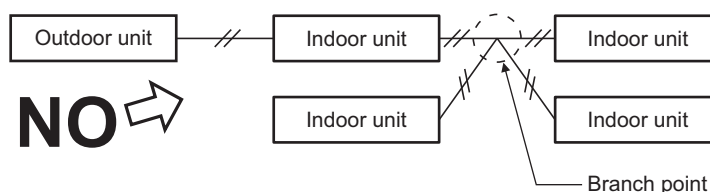


CAUTION

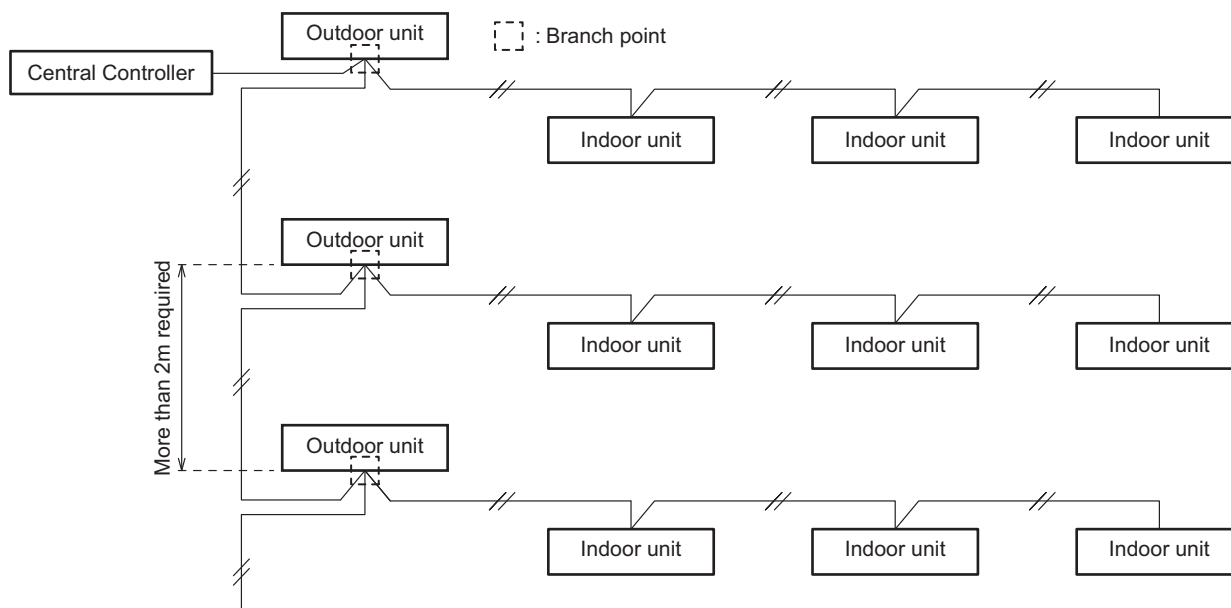
- (1) When linking the outdoor units in a network, disconnect the terminal extended from the short plug from all outdoor units except any one of the outdoor units.
(When shipping: In shorted condition.)
For a system without link (no wiring connection between outdoor units), do not remove the short plug.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

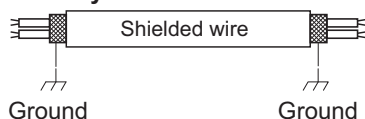


- (4) If branching the inter-unit control wiring, the number of branch points should be 16 or fewer.



- (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 mm² 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)

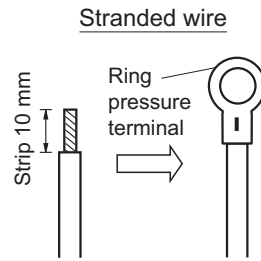


Fig. 1-1

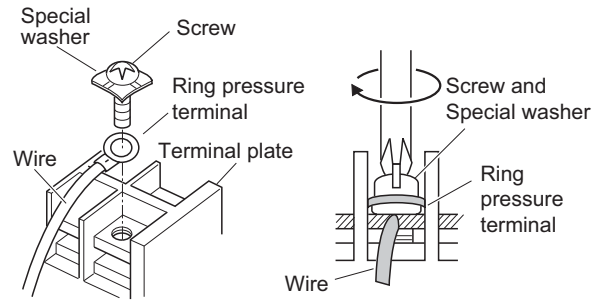


Fig. 1-2

■ 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

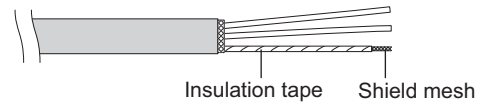


Fig. 1-4

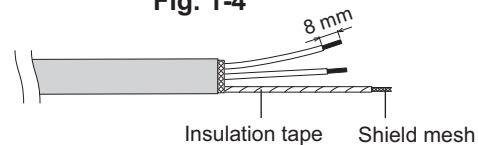


Fig. 1-5

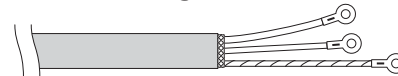
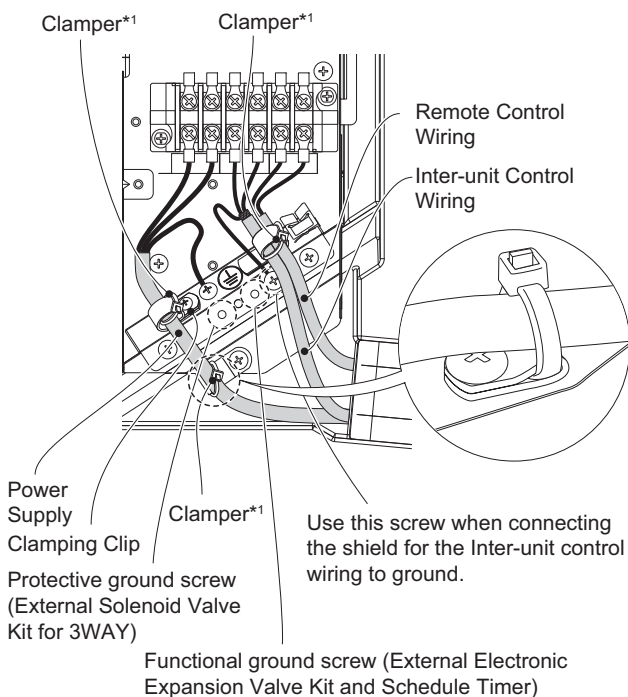


Fig. 1-6

■ Wiring samples

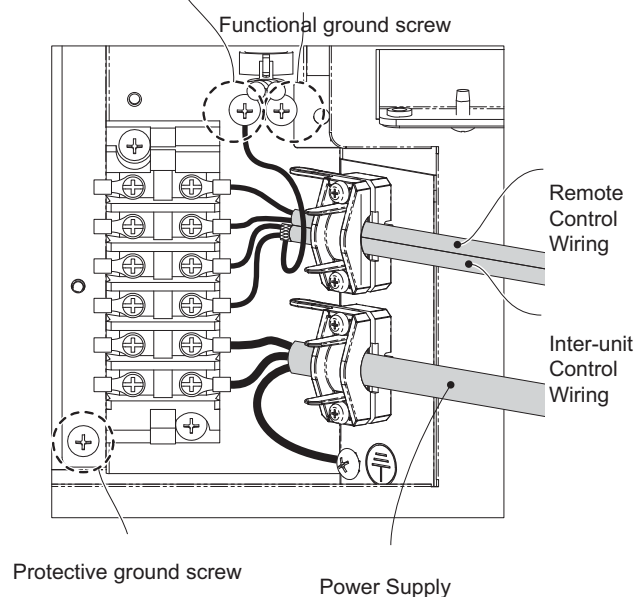
U1 type



*1 Fasten tightly.

F1 type

Use this screw when connecting the shield for the Inter-unit control wiring to ground.

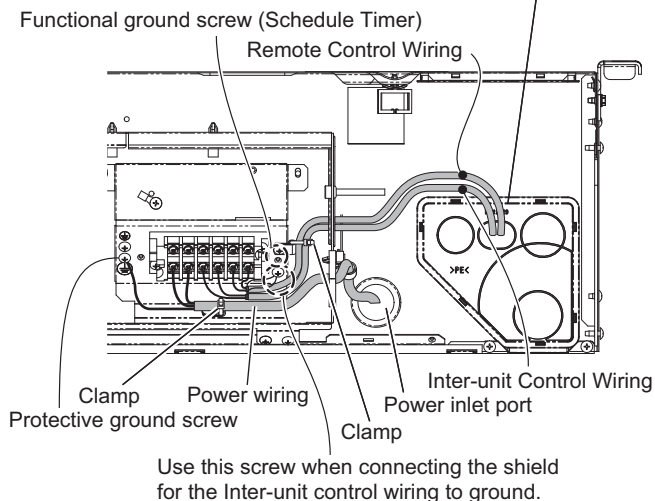


■ Wiring samples

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).

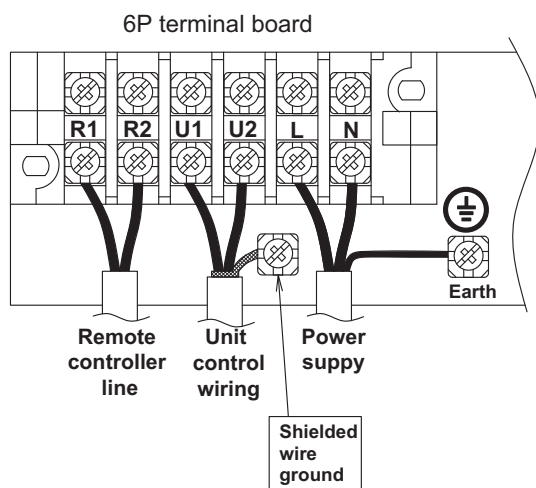
(2) How to carry out wiring

- 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.

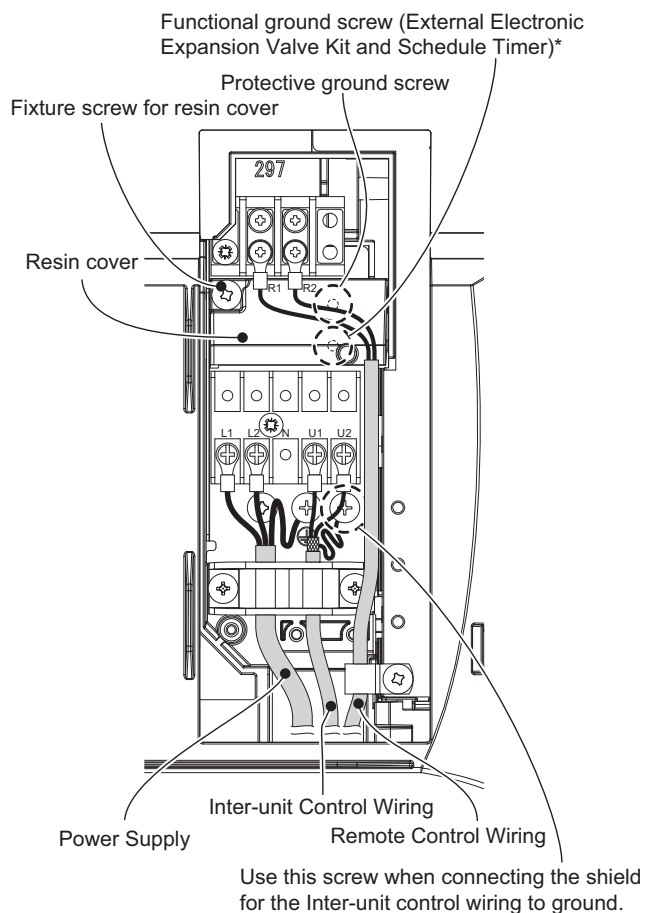
NOTE

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

Ceiling 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-50PT2E5A U-50PE1E5	220V 230V 240V 50Hz 1phase	23	16	5.9	4.4	2.19	5.6	4.2	2.38	5.2	4.0	2.62	5.0	3.9	2.91	3.9	3.4	1.91
			19	6.4	3.5	2.28	6.0	3.3	2.48	5.6	3.1	2.73	5.4	3.0	3.03	4.2	2.5	1.99
			22	7.0	2.6	2.37	6.5	2.4	2.58	6.1	2.3	2.84	5.9	2.2	3.15	4.6	1.7	2.07
		25	16	5.9	5.0	2.19	5.6	4.8	2.38	5.2	4.6	2.62	5.0	4.5	2.91	3.9	3.9	1.91
			19	6.4	4.0	2.28	6.0	3.9	2.48	5.6	3.7	2.73	5.4	3.6	3.03	4.2	3.0	1.99
			22	7.0	3.2	2.37	6.5	3.0	2.58	6.1	2.8	2.84	5.9	2.7	3.15	4.6	2.2	2.07
		27	16	5.9	5.5	2.19	5.6	5.3	2.38	5.2	5.1	2.62	5.0	5.0	2.91	3.9	3.9	1.91
			19	6.4	4.6	2.28	6.0	4.4	2.48	5.6	4.2	2.73	5.4	4.1	3.03	4.2	3.6	1.99
			22	7.0	3.7	2.37	6.5	3.5	2.58	6.1	3.3	2.84	5.9	3.2	3.15	4.6	2.7	2.07
		29	16	5.9	5.9	2.19	5.6	5.6	2.38	5.2	5.2	2.62	5.0	5.0	2.91	3.9	3.9	1.91
			19	6.4	5.1	2.28	6.0	4.9	2.48	5.6	4.7	2.73	5.4	4.7	3.03	4.2	4.1	1.99
			22	7.0	4.2	2.37	6.5	4.0	2.58	6.1	3.8	2.84	5.9	3.8	3.15	4.6	3.3	2.07
		32	16	5.9	5.9	2.19	5.6	5.6	2.38	5.2	5.2	2.62	5.0	5.0	2.91	3.9	3.9	1.91
			19	6.4	5.1	2.28	6.0	4.9	2.48	5.6	4.7	2.73	5.4	4.7	3.03	4.2	4.1	1.99
			22	7.0	4.2	2.37	6.5	4.0	2.58	6.1	3.8	2.84	5.9	3.8	3.15	4.6	3.3	2.07
S-60PT2E5A U-60PE1E5A	220V 230V 240V 50Hz 1phase	23	16	7.2	5.7	1.71	7.0	5.6	1.83	6.8	5.5	1.97	6.6	5.3	1.98	6.2	5.2	1.85
			19	7.5	4.2	1.77	7.3	4.1	1.89	7.1	4.0	2.01	6.8	3.9	2.00	6.5	3.8	1.87
			22	7.9	2.8	1.85	7.7	2.7	1.96	7.4	2.6	2.07	7.1	2.4	2.02	6.7	2.3	1.89
		25	16	7.2	6.5	1.71	7.0	6.5	1.83	6.8	6.4	1.97	6.6	6.2	1.98	6.2	6.0	1.85
			19	7.5	4.9	1.77	7.3	5.0	1.89	7.1	4.9	2.01	6.8	4.7	2.00	6.5	4.6	1.87
			22	7.9	3.6	1.85	7.7	3.5	1.96	7.4	3.4	2.07	7.1	3.3	2.02	6.7	3.2	1.89
		27	16	7.2	7.2	1.71	7.0	7.0	1.83	6.8	6.8	1.97	6.6	6.6	1.98	6.2	6.2	1.85
			19	7.5	5.8	1.77	7.3	5.7	1.89	7.1	5.6	2.01	6.8	5.5	2.00	6.5	5.5	1.87
			22	7.9	4.4	1.85	7.7	4.4	1.96	7.4	4.2	2.07	7.1	4.1	2.02	6.7	3.9	1.89
		29	16	7.2	7.2	1.71	7.0	7.0	1.83	6.8	6.8	1.97	6.6	6.6	1.98	6.2	6.2	1.85
			19	7.5	6.6	1.77	7.3	6.5	1.89	7.1	6.4	2.01	6.8	6.4	2.00	6.5	6.2	1.87
			22	7.9	5.2	1.85	7.7	5.1	1.96	7.4	5.0	2.07	7.1	4.9	2.02	6.7	4.8	1.89
		32	16	7.2	7.2	1.71	7.0	7.0	1.83	6.8	6.8	1.97	6.6	6.6	1.98	6.2	6.2	1.85
			19	7.5	6.6	1.77	7.3	6.5	1.89	7.1	6.4	2.01	6.8	6.4	2.00	6.5	6.2	1.87
			22	7.9	5.2	1.85	7.7	5.1	1.96	7.4	5.0	2.07	7.1	4.9	2.02	6.7	4.8	1.89
S-71PT2E5A U-71PE1E5A (U-71PE1E8A)	220V 230V 240V 50Hz 1phase (3phase)	23	16	8.1	6.1	2.36	7.9	6.0	2.53	7.6	5.9	2.72	7.2	5.6	2.70	6.3	5.1	2.31
			19	8.5	4.6	2.45	8.3	4.5	2.61	8.0	4.4	2.78	7.5	4.2	2.72	6.6	3.8	2.34
			22	9.0	3.3	2.55	8.7	3.0	2.71	8.3	2.9	2.86	7.8	2.8	2.75	6.8	2.4	2.36
		25	16	8.1	6.9	2.36	7.9	6.8	2.53	7.6	6.6	2.72	7.2	6.4	2.70	6.3	5.9	2.31
			19	8.5	5.4	2.45	8.3	5.3	2.61	8.0	5.1	2.78	7.5	5.0	2.72	6.6	4.6	2.34
			22	9.0	4.0	2.55	8.7	3.9	2.71	8.3	3.7	2.86	7.8	3.5	2.75	6.8	3.2	2.36
		27	16	8.1	7.7	2.36	7.9	7.6	2.53	7.6	7.4	2.72	7.2	7.2	2.70	6.3	6.3	2.31
			19	8.5	6.2	2.45	8.3	6.1	2.61	8.0	6.0	2.78	7.5	5.7	2.72	6.6	5.4	2.34
			22	9.0	4.8	2.55	8.7	4.7	2.71	8.3	4.5	2.86	7.8	4.3	2.75	6.8	4.0	2.36
		29	16	8.1	8.1	2.36	7.9	7.9	2.53	7.6	7.6	2.72	7.2	7.2	2.70	6.3	6.3	2.31
			19	8.5	7.1	2.45	8.3	7.0	2.61	8.0	6.8	2.78	7.5	6.5	2.72	6.6	6.3	2.34
			22	9.0	5.6	2.55	8.7	5.5	2.71	8.3	5.2	2.86	7.8	5.2	2.75	6.8	4.7	2.36
		32	16	8.1	8.1	2.36	7.9	7.9	2.53	7.6	7.6	2.72	7.2	7.2	2.70	6.3	6.3	2.31
			19	8.5	7.1	2.45	8.3	7.0	2.61	8.0	6.8	2.78	7.5	6.5	2.72	6.6	6.3	2.34
			22	9.0	5.6	2.55	8.7	5.5	2.71	8.3	5.2	2.86	7.8	5.2	2.75	6.8	4.7	2.36
S-100PT2E5A U-100PE1E5A (U-100PE1E8A)	220V 230V 240V 50Hz 1phase (3phase)	23	16	11.4	8.5	3.12	11.4	8.5	3.36	10.9	8.2	3.57	10.2	8.1	3.71	7.4	6.8	3.03
			19	12.1	6.3	3.26	12.1	6.3	3.50	11.7	6.2	3.72	10.9	6.0	3.87	7.9	4.8	3.17
			22	13.3	4.2	3.37	13.3	4.2	3.62	12.8	4.2	3.85	11.9	3.8	4.01	8.7	2.8	3.28
		25	16	11.8	10.2	3.18	11.8	10.2	3.41	11.3	9.8	3.63	10.5	9.7	3.78	7.7	7.3	3.09
			19	12.6	8.0	3.31	12.6	8.0	3.56	12.1	7.8	3.79	11.2	7.6	3.94	8.2	6.3	3.22
			22	13.8	5.9	3.43	13.8	5.9	3.68	13.2	5.6	3.92	12.3	5.4	4.07	9.0	4.2	3.33
		27	16	12.2	11.6	3.23	12.2	11.6	3.47	11.7	11.1	3.69	10.9	10.3	3.84	8.0	7.6	3.14
			19	13.0	9.7	3.37	13.0	9.7	3.62	12.5	9.4	3.85	11.6	9.2	4.00	8.5	7.9	3.27
			22	14.2	7.6	3.49	14.2	7.6	3.74	13.7	7.3	3.98	12.7	7.0	4.14	9.3	5.8	3.39
		29	16	12.4	11.8	3.24	12.4	11.8	3.48	11.9	11.3	3.70	11.0	10.4	3.85	8.1	7.7	3.15
			19	13.2	11.3	3.38	13.2	11.3	3.63	12.7	11.0	3.86	11.8	10.8	4.01	8.6	8.2	3.28
			22	14.5	9.1	3.49	14.5	9.1	3.75	13.9	8.9	3.99	12.9	8.6	4.15	9.5	7.3	3.39
		32	16	12.5	11.9	3.25	12.5	11.9	3.49	12.1	11.5	3.71	11.2	10.6	3.86	8.2	7.8	3.15
			19	13.4	11.5	3.39	13.4	11.5	3.64	12.9	11.1	3.87	12.0	11.0	4.02	8.8	8.3	3.29
			22	14.7	9.3	3.50	14.7	9.3	3.76	14.1	9.0	4.00	13.1	8.8	4.16	9.6	7.4	3.40
S-125PT2E5A U-125PE1E5A (U-125PE1E8A)	220V 230V 240V 50Hz 1phase (3phase)	23	16	12.7	9.2	3.94	12.7	9.3	4.24	12.2	8.9	4.51	11.4	8.7	4.69	8.3	7.2	3.83
			19	13.6	7.1	4.11	13.6	7.1	4.42	13.1	6.9	4.70	12.2	6.6	4.89	8.9	5.2	4.00
			22	14.9	5.0	4.26	14.9	5.1	4.57	14.3	4.8	4.86	13.3	4.5	5.06	9.7	3.2	4.13
		25	16	13.2	10.9	4.01	13.2	10.9	4.31	12.7	10.6	4.58	11.8	10.3	4.77	8.6	8.4	3.90
			19	14.1	8.8	4.18	14.1	8.7	4.49	13.5	8.4	4.78	12.6	8.1	4.97	9.2	6.7	4.06
			22	15.4	6.5	4.33	15.4	6.6	4.65	14.8	6.3	4.95	13.8	6.0	5.14	10.1	4.7	4.20
		27	16	13.6	12.6	4.08	13.6	12.7	4.38	13.1	12.3	4.66	12.2	12.0	4.85	8.9	8.7	3.96
			19	14.6	10.4	4.25	14.6	10.5	4.57	14.0	10.1	4.86	13.0	9.8	5.05	9.5	8.3	4.13
			22	16.0	8.3	4.40	16.0	8.3	4.73	15.3	8.0	5.03	14.3	7.7	5.23	10.4	6.2	4.27
		29	16	13.8	13.5	4.09	13.8	13.5	4.39	13.3	13.0	4.67	12.4	12.2	4.86	9.0	8.8	3.97
			19	14.8	12.0	4.26	14.8	12.0	4.58	14.2	11.6	4.87	13.2	11.3	5.07	9.7	9.5	4.14
			22	16.2	9.8	4.41	16.2	9.9	4.74	15.6	9.6	5.04	14.5	9.2	5.24	10.6	7.8	4.28
		32	16	14.0	13.7	4.10	14.0	13.7	4.40	13.5	13.2	4.68	12.6	12.4	4.87	9.2	9.0	3.98
			19	15.0	12.2	4.27	15.0	12.2	4.59	14.4	11.7	4.88	13.4	11.5	5.08	9.8	9.6	4.15
			22	16.4	10.0	4.42	16.4	10.0	4.75	15.8	9.7	5.05	14.7	9.3	5.25	10.7	7.8	4.29

1-13. Capacity Table

1. Cooling Capacity Performance Data

• Combination of Single Unit

Ceiling Type

TC :Cooling Capacity

SHC :Sensible Heat Capacity

IPT :Cooling Power Consumption

unit : kW

Model	Power Source	Outdoor air intake temp(°C D.B.)																
		Ambient Return Air		25°C			30°C			35°C			40°C			46°C		
		DB	WB	TC	SHC	IPT	TC	SHC	IPT	TC	SHC	IPT	TC	SHC	IPT	TC	SHC	IPT
S-140PT2E5A U-140PE1E5A (U-140PE1E8A)	220V 230V 240V 50Hz 1phase (3phase)	23	16	13.6	9.6	4.58	13.6	9.6	4.93	13.1	9.3	5.24	12.2	9.0	5.45	8.9	7.5	4.45
			19	14.6	7.5	4.78	14.6	7.5	5.14	14.0	7.2	5.47	13.0	6.9	5.68	9.5	5.4	4.65
			22	16.0	5.5	4.95	16.0	5.4	5.32	15.4	5.3	5.65	14.3	4.8	5.88	10.4	3.5	4.81
		25	16	14.1	11.3	4.66	14.1	11.3	5.01	13.6	11.0	5.33	12.6	10.7	5.54	9.2	9.1	4.53
			19	15.1	9.2	4.86	15.1	9.1	5.22	14.5	8.8	5.56	13.5	8.5	5.78	9.9	7.0	4.72
			22	16.5	6.9	5.03	16.5	7.0	5.40	15.9	6.7	5.75	14.8	6.4	5.98	10.8	4.9	4.89
		27	16	14.6	13.0	4.74	14.6	13.1	5.09	14.0	12.7	5.42	13.1	12.5	5.63	9.5	9.4	4.60
			19	15.6	10.9	4.94	15.6	10.8	5.31	15.0	10.4	5.65	14.0	10.2	5.88	10.2	8.6	4.80
			22	17.1	8.6	5.11	17.1	8.7	5.49	16.4	8.4	5.85	15.3	8.0	6.08	11.2	6.5	4.97
		29	16	14.8	14.6	4.75	14.8	14.6	5.10	14.3	14.1	5.43	13.3	13.1	5.65	9.7	9.6	4.62
			19	15.8	12.3	4.96	15.8	12.4	5.32	15.2	12.0	5.66	14.2	11.8	5.89	10.4	10.1	4.81
			22	17.3	10.2	5.13	17.3	10.3	5.51	16.7	10.0	5.86	15.5	9.5	6.09	11.3	7.9	4.98
		32	16	15.0	14.8	4.76	15.0	14.8	5.12	14.5	14.3	5.44	13.4	13.2	5.66	9.8	9.7	4.63
			19	16.1	12.5	4.97	16.1	12.6	5.34	15.4	12.1	5.68	14.4	11.9	5.91	10.5	10.2	4.83
			22	17.6	10.4	5.14	17.6	10.5	5.52	16.9	10.1	5.87	15.7	9.7	6.11	11.5	8.0	4.99

1-13. Capacity Table

1. Cooling Capacity Performance Data

TC :Cooling Capacity

SHC :Sensible Heat Capacity

IPT :Cooling Power Consumption

unit : kW

• Combination of Multiple Unit

Ceiling Type

			Outdoor air intake temp(°C D.B.)															
Model	Power Source	Ambient Return Air	25°C			30°C			35°C			40°C			46°C			
		DB WB	TC SHC IPT	TC SHC IPT	TC SHC IPT	TC SHC IPT	TC SHC IPT	TC SHC IPT	TC SHC IPT	TC SHC IPT	TC SHC IPT	TC SHC IPT	TC SHC IPT	TC SHC IPT	TC SHC IPT	TC SHC IPT	TC SHC IPT	
S-36PT2E5A×2 U-71PE1E5A (U-71PE1E8A)	220V 230V 240V 50Hz 1phase (3 phase)	23	16	8.1	6.7	2.36	7.9	6.7	2.53	7.6	6.5	2.72	7.2	6.4	2.70	6.3	6.0	2.31
			19	8.5	4.9	2.45	8.3	5.0	2.61	8.0	4.8	2.78	7.5	4.5	2.72	6.6	4.2	2.34
			22	9.0	3.2	2.55	8.7	3.1	2.71	8.3	3.0	2.86	7.8	2.8	2.75	6.8	2.4	2.36
		25	16	8.1	7.8	2.36	7.9	7.7	2.53	7.6	7.6	2.72	7.2	7.2	2.70	6.3	6.3	2.31
			19	8.5	6.0	2.45	8.3	5.9	2.61	8.0	5.8	2.78	7.5	5.6	2.72	6.6	5.2	2.34
			22	9.0	4.3	2.55	8.7	4.2	2.71	8.3	4.1	2.86	7.8	3.9	2.75	6.8	3.5	2.36
		27	16	8.1	8.1	2.36	7.9	7.9	2.53	7.6	7.6	2.72	7.2	7.2	2.70	6.3	6.3	2.31
			19	8.5	7.0	2.45	8.3	7.0	2.61	8.0	6.8	2.78	7.5	6.6	2.72	6.6	6.3	2.34
			22	9.0	5.3	2.55	8.7	5.2	2.71	8.3	5.0	2.86	7.8	4.8	2.75	6.8	4.5	2.36
		29	16	8.1	8.1	2.36	7.9	7.9	2.53	7.6	7.6	2.72	7.2	7.2	2.70	6.3	6.3	2.31
			19	8.5	8.1	2.45	8.3	8.0	2.61	8.0	7.8	2.78	7.5	7.5	2.72	6.6	6.6	2.34
			22	9.0	6.4	2.55	8.7	6.3	2.71	8.3	6.0	2.86	7.8	5.9	2.75	6.8	5.6	2.36
		32	16	8.1	8.1	2.36	7.9	7.9	2.53	7.6	7.6	2.72	7.2	7.2	2.70	6.3	6.3	2.31
			19	8.5	8.1	2.45	8.3	8.0	2.61	8.0	7.8	2.78	7.5	7.5	2.72	6.6	6.6	2.34
			22	9.0	6.4	2.55	8.7	6.3	2.71	8.3	6.0	2.86	7.8	5.9	2.75	6.8	5.6	2.36
S-36PT2E5A×3 U-100PE1E5A (U-100PE1E8A)	220V 230V 240V 50Hz 1phase (3phase)	23	16	11.4	10.0	3.12	11.4	10.0	3.36	10.9	9.7	3.57	10.2	9.5	3.71	7.4	7.4	3.03
			19	12.1	7.3	3.26	12.1	7.3	3.50	11.7	7.1	3.72	10.9	6.8	3.87	7.9	5.6	3.17
			22	13.3	4.8	3.37	13.3	4.8	3.62	12.8	4.7	3.85	11.9	4.3	4.01	8.7	3.2	3.28
		25	16	11.8	11.8	3.18	11.8	11.8	3.41	11.3	11.3	3.63	10.5	10.5	3.78	7.7	7.7	3.09
			19	12.6	9.3	3.31	12.6	9.3	3.56	12.1	9.0	3.79	11.2	8.7	3.94	8.2	7.4	3.22
			22	13.8	6.7	3.43	13.8	6.7	3.68	13.2	6.4	3.92	12.3	6.2	4.07	9.0	4.9	3.33
		27	16	12.2	12.2	3.23	12.2	12.2	3.47	11.7	11.7	3.69	10.9	10.9	3.84	8.0	8.0	3.14
			19	13.0	11.4	3.37	13.0	11.4	3.62	12.5	11.0	3.85	11.6	10.8	4.00	8.5	8.5	3.27
			22	14.2	8.6	3.49	14.2	8.6	3.74	13.7	8.5	3.98	12.7	8.1	4.14	9.3	6.8	3.39
		29	16	12.4	12.4	3.24	12.4	12.4	3.48	11.9	11.9	3.70	11.0	11.0	3.85	8.1	8.1	3.15
			19	13.2	13.2	3.38	13.2	13.2	3.63	12.7	12.7	3.86	11.8	11.8	4.01	8.6	8.6	3.28
			22	14.5	10.7	3.49	14.5	10.7	3.75	13.9	10.3	3.99	12.9	10.1	4.15	9.5	8.7	3.39
		32	16	12.5	12.5	3.25	12.5	12.5	3.49	12.1	12.1	3.71	11.2	11.2	3.86	8.2	8.2	3.15
			19	13.4	13.4	3.39	13.4	13.4	3.64	12.9	12.9	3.87	12.0	12.0	4.02	8.8	8.8	3.29
			22	14.7	10.8	3.50	14.7	10.8	3.76	14.1	10.4	4.00	13.1	10.3	4.16	9.6	8.8	3.40
S-50PT2E5A×2 U-100PE1E5A (U-100PE1E8A)	220V 230V 240V 50Hz 1phase (3phase)	23	16	11.4	8.7	3.12	11.4	8.7	3.36	10.9	8.4	3.57	10.2	8.2	3.71	7.4	6.8	3.03
			19	12.1	6.6	3.26	12.1	6.6	3.50	11.7	6.4	3.72	10.9	6.1	3.87	7.9	4.9	3.17
			22	13.3	4.7	3.37	13.3	4.7	3.62	12.8	4.5	3.85	11.9	4.1	4.01	8.7	3.1	3.28
		25	16	11.8	10.3	3.18	11.8	10.3	3.41	11.3	9.9	3.63	10.5	9.7	3.78	7.7	7.7	3.09
			19	12.6	8.1	3.31	12.6	8.1	3.56	12.1	7.8	3.79	11.2	7.5	3.94	8.2	6.3	3.22
			22	13.8	6.2	3.43	13.8	6.2	3.68	13.2	5.9	3.92	12.3	5.6	4.07	9.0	4.4	3.33
		27	16	12.2	11.9	3.23	12.2	11.9	3.47	11.7	11.5	3.69	10.9	10.9	3.84	8.0	8.0	3.14
			19	13.0	9.7	3.37	13.0	9.7	3.62	12.5	9.4	3.85	11.6	9.1	4.00	8.5	7.7	3.27
			22	14.2	7.6	3.49	14.2	7.6	3.74	13.7	7.5	3.98	12.7	7.1	4.14	9.3	5.8	3.39
		29	16	12.4	12.4	3.24	12.4	12.4	3.48	11.9	11.9	3.70	11.0	11.0	3.85	8.1	8.1	3.15
			19	13.2	11.2	3.38	13.2	11.2	3.63	12.7	11.0	3.86	11.8	10.6	4.01	8.6	8.6	3.28
			22	14.5	9.2	3.49	14.5	9.2	3.75	13.9	9.0	3.99	12.9	8.6	4.15	9.5	7.2	3.39
		32	16	12.5	12.5	3.25	12.5	12.5	3.49	12.1	12.1	3.71	11.2	11.2	3.86	8.2	8.2	3.15
			19	13.4	11.3	3.39	13.4	11.3	3.64	12.9	11.1	3.87	12.0	10.8	4.02	8.8	8.8	3.29
			22	14.7	9.3	3.50	14.7	9.3	3.76	14.1	9.1	4.00	13.1	8.8	4.16	9.6	7.3	3.40
S-36PT2E5A×4 U-125PE1E5A (U-125PE1E8A)	220V 230V 240V 50Hz 1phase (3phase)	23	16	12.7	11.6	3.94	12.7	11.6	4.24	12.2	11.2	4.51	11.4	11.0	4.69	8.3	8.3	3.83
			19	13.6	8.5	4.11	13.6	8.5	4.42	13.1	8.3	4.70	12.2	7.9	4.89	8.9	6.6	4.00
			22	14.9	5.4	4.26	14.9	5.4	4.57	14.3	5.2	4.86	13.3	4.8	5.06	9.7	3.6	4.13
		25	16	13.2	13.2	4.01	13.2	13.2	4.31	12.7	12.7	4.58	11.8	11.8	4.77	8.6	8.6	3.90
			19	14.1	10.8	4.18	14.1	10.9	4.49	13.5	10.5	4.78	12.6	10.2	4.97	9.2	8.8	4.06
			22	15.4	7.7	4.33	15.4	7.7	4.65	14.8	7.4	4.95	13.8	7.1	5.14	10.1	5.7	4.20
		27	16	13.6	13.6	4.08	13.6	13.6	4.38	13.1	13.1	4.66	12.2	12.2	4.85	8.9	8.9	3.96
			19	14.6	13.3	4.25	14.6	13.4	4.57	14.0	12.9	4.86	13.0	12.7	5.05	9.5	9.5	4.13
			22	16.0	10.2	4.40	16.0	10.3	4.73	15.3	9.8	5.03	14.3	9.6	5.23	10.4	8.0	4.27
		29	16	13.8	13.8	4.09	13.8	13.8	4.39	13.3	13.3	4.67	12.4	12.4	4.86	9.0	9.0	3.97
			19	14.8	14.8	4.26	14.8	14.8	4.58	14.2	14.2	4.87	13.2	13.2	5.07	9.7	9.7	4.14
			22	16.2	12.5	4.41	16.2	12.6	4.74	15.6	12.2	5.04	14.5	12.0	5.24	10.6	10.2	4.28
		32	16	14.0	14.0	4.10	14.0	14.0	4.40	13.5	13.5	4.68	12.6	12.6	4.87	9.2	9.2	3.98
			19	15.0	15.0	4.27	15.0	15.0	4.59	14.4	14.4	4.88	13.4	13.4	5.08	9.8	9.8	4.15
			22	16.4	12.7	4.42	16.4	12.8	4.75	15.8	12.4	5.05	14.7	12.1	5.25	10.7	10.3	4.29
S-45PT2E5A×3 U-125PE1E5A (U-125PE1E8A)	220V 230V 240V 50Hz 1phase (3phase)	23	16	12.7	10.4	3.94	12.7	10.4	4.24	12.2	10.0	4.51	11.4	9.9	4.69	8.3	8.3	3.83
			19	13.6	7.8	4.11	13.6	7.8	4.42	13.1	7.6	4.70	12.2	7.2	4.89	8.9	5.9	4.00
			22	14.9	5.3	4.26	14.9	5.2	4.57	14.3	4.9	4.86	13.3	4.6	5.06	9.7	3.4	4.13
		25	16	13.2	12.5	4.01	13.2	12.5	4.31	12.7	12.2	4.58	11.8	11.8	4.77	8.6	8.6	3.90
			19	14.1	9.8	4.18	14.1	9.8	4.49	13.5	9.4	4.78	12.6	9.2	4.97	9.2	7.8	4.06
			22	15.4	7.1	4.33	15.4	7.2	4.65	14.8	6.9	4.95	13.8	6.6	5.14	10.1	5.3	4.20
		27	16	13.6	13.6	4.08	13.6	13.6	4.38	13.1	13.1	4.66	12.2	12.2	4.85	8.9	8.9	3.96
			19	14.6	11.9	4.25	14.6	12.0	4.57	14.0	11.5	4.86	13.0	11.2	5.05	9.5	9.5	4.13
			22	16.0	9.2	4.40	16.0	9.3	4.73	15.3	8.9	5.03	14.3	8.7	5.23	10.4	7.1	4.27
		29	16	13.8	13.8	4.09	13.8	13.8	4.39	13.3	13.3	4.67	12.4	12.4	4.86	9.0	9.0	3.97
			19	14.8	13.8	4.26	14.8	13.9	4.58	14.2	13.4	4.87	13.2	13.2	5.07	9.7	9.7	4.14
			22	16.2	11.2	4.41	16.2	11.2	4.74	15.6	10.9	5.04	14.5	10.5	5.24	10.6	9.0	4.28
		32	16	14.0	14.0	4.10	14.0	14.0	4.40	13.5	13.5	4.68	12.6	12.6	4.87	9.2	9.2	3.98
			19	15.0	14.0	4.27	15.0	14.1	4.59	14.4	13.6	4.88	13.4	13.4	5.08	9.8	9.8	4.15
			22	16.4	11.3	4.42	16.4	11.3	4.75	15.8	11.0	5.05	14.7	10.7	5.25	10.7	9.1	4.29

1-13. Capacity Table

1. Cooling Capacity Performance Data

• Combination of Multiple Unit

Ceiling 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-60PT2E5A×2 U-125PE1E5A (U-125PE1E8A)	220V 230V 240V 50Hz 1phase (3phase)	23	16	12.7	9.9	3.94	12.7	9.9	4.24	12.2	9.5	4.51	11.4	9.4	4.69	8.3	7.8	3.83
			19	13.6	7.5	4.11	13.6	7.5	4.42	13.1	7.3	4.70	12.2	6.9	4.89	8.9	5.5	4.00
			22	14.9	5.2	4.26	14.9	5.1	4.57	14.3	5.0	4.86	13.3	4.6	5.06	9.7	3.4	4.13
		25	16	13.2	11.8	4.01	13.2	11.8	4.31	12.7	11.4	4.58	11.8	11.2	4.77	8.6	8.6	3.90
			19	14.1	9.3	4.18	14.1	9.4	4.49	13.5	9.0	4.78	12.6	8.7	4.97	9.2	7.3	4.06
			22	15.4	6.9	4.33	15.4	7.0	4.65	14.8	6.7	4.95	13.8	6.4	5.14	10.1	5.0	4.20
		27	16	13.6	13.6	4.08	13.6	13.6	4.38	13.1	13.1	4.66	12.2	12.2	4.85	8.9	8.9	3.96
			19	14.6	11.2	4.25	14.6	11.2	4.57	14.0	10.8	4.86	13.0	10.5	5.05	9.5	9.0	4.13
			22	16.0	8.9	4.40	16.0	8.8	4.73	15.3	8.4	5.03	14.3	8.2	5.23	10.4	6.6	4.27
		29	16	13.8	13.8	4.09	13.8	13.8	4.39	13.3	13.3	4.67	12.4	12.4	4.86	9.0	9.0	3.97
			19	14.8	13.0	4.26	14.8	13.1	4.58	14.2	12.6	4.87	13.2	12.4	5.07	9.7	9.7	4.14
			22	16.2	10.6	4.41	16.2	10.5	4.74	15.6	10.3	5.04	14.5	10.1	5.24	10.6	8.4	4.28
		32	16	14.0	14.0	4.10	14.0	14.0	4.40	13.5	13.5	4.68	12.6	12.6	4.87	9.2	9.2	3.98
			19	15.0	13.1	4.27	15.0	13.2	4.59	14.4	12.8	4.88	13.4	12.6	5.08	9.8	9.8	4.15
			22	16.4	10.7	4.42	16.4	10.7	4.75	15.8	10.4	5.05	14.7	10.2	5.25	10.7	8.5	4.29
S-50PT2E5A×3 U-140PE1E5A (U-140PE1E8A)	220V 230V 240V 50Hz 1phase (3phase)	23	16	13.6	10.6	4.58	13.6	10.6	4.93	13.1	10.3	5.24	12.2	10.0	5.45	8.9	8.5	4.45
			19	14.6	8.0	4.78	14.6	8.1	5.14	14.0	7.8	5.47	13.0	7.4	5.68	9.5	5.9	4.65
			22	16.0	5.6	4.95	16.0	5.6	5.32	15.4	5.4	5.65	14.3	4.9	5.88	10.4	3.6	4.81
		25	16	14.1	12.5	4.66	14.1	12.5	5.01	13.6	12.2	5.33	12.6	11.9	5.54	9.2	9.2	4.53
			19	15.1	9.9	4.86	15.1	10.0	5.22	14.5	9.6	5.56	13.5	9.3	5.78	9.9	7.8	4.72
			22	16.5	7.4	5.03	16.5	7.5	5.40	15.9	7.2	5.75	14.8	6.8	5.98	10.8	5.3	4.89
		27	16	14.6	14.6	4.74	14.6	14.6	5.09	14.0	14.0	5.42	13.1	13.1	5.63	9.5	9.5	4.60
			19	15.6	11.9	4.94	15.6	12.0	5.31	15.0	11.6	5.65	14.0	11.4	5.88	10.2	9.7	4.80
			22	17.1	9.4	5.11	17.1	9.4	5.49	16.4	9.1	5.85	15.3	8.8	6.08	11.2	7.2	4.97
		29	16	14.8	14.8	4.75	14.8	14.8	5.10	14.3	14.3	5.43	13.3	13.3	5.65	9.7	9.7	4.62
			19	15.8	13.8	4.96	15.8	13.9	5.32	15.2	13.4	5.66	14.2	13.3	5.89	10.4	10.4	4.81
			22	17.3	11.3	5.13	17.3	11.3	5.51	16.7	10.9	5.86	15.5	10.6	6.09	11.3	8.9	4.98
		32	16	15.0	15.0	4.76	15.0	15.0	5.12	14.5	14.5	5.44	13.4	13.4	5.66	9.8	9.8	4.63
			19	16.1	14.0	4.97	16.1	14.1	5.34	15.4	13.6	5.68	14.4	13.4	5.91	10.5	10.5	4.83
			22	17.6	11.5	5.14	17.6	11.5	5.52	16.9	11.0	5.87	15.7	10.7	6.11	11.5	9.1	4.99
S-71PT2E5A×2 U-140PE1E5A (U-140PE1E8A)	220V 230V 240V 50Hz 1phase (3phase)	23	16	13.6	10.3	4.58	13.6	10.4	4.93	13.1	10.1	5.24	12.2	9.7	5.45	8.9	8.2	4.45
			19	14.6	8.1	4.78	14.6	8.0	5.14	14.0	7.7	5.47	13.0	7.3	5.68	9.5	5.8	4.65
			22	16.0	5.7	4.95	16.0	5.7	5.32	15.4	5.4	5.65	14.3	5.0	5.88	10.4	3.7	4.81
		25	16	14.1	12.2	4.66	14.1	12.2	5.01	13.6	11.9	5.33	12.6	11.6	5.54	9.2	9.2	4.53
			19	15.1	9.8	4.86	15.1	9.8	5.22	14.5	9.5	5.56	13.5	9.1	5.78	9.9	7.6	4.72
			22	16.5	7.4	5.03	16.5	7.5	5.40	15.9	7.2	5.75	14.8	6.8	5.98	10.8	5.3	4.89
		27	16	14.6	14.2	4.74	14.6	14.2	5.09	14.0	13.8	5.42	13.1	13.1	5.63	9.5	9.5	4.60
			19	15.6	11.7	4.94	15.6	11.6	5.31	15.0	11.2	5.65	14.0	11.1	5.88	10.2	9.3	4.80
			22	17.1	9.2	5.11	17.1	9.3	5.49	16.4	8.9	5.85	15.3	8.6	6.08	11.2	7.0	4.97
		29	16	14.8	14.8	4.75	14.8	14.8	5.10	14.3	14.3	5.43	13.3	13.3	5.65	9.7	9.7	4.62
			19	15.8	13.3	4.96	15.8	13.4	5.32	15.2	13.0	5.66	14.2	12.8	5.89	10.4	10.4	4.81
			22	17.3	11.0	5.13	17.3	11.0	5.51	16.7	10.7	5.86	15.5	10.3	6.09	11.3	8.5	4.98
		32	16	15.0	15.0	4.76	15.0	15.0	5.12	14.5	14.5	5.44	13.4	13.4	5.66	9.8	9.8	4.63
			19	16.1	13.6	4.97	16.1	13.7	5.34	15.4	13.1	5.68	14.4	12.9	5.91	10.5	10.5	4.83
			22	17.6	11.2	5.14	17.6	11.2	5.52	16.9	10.9	5.87	15.7	10.4	6.11	11.5	8.7	4.99

1-13. Capacity Table

1. Cooling Capacity Performance Data

• Combination of Single Unit

Ceiling 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-60PT2E5A U-60PEY1E5	220V 230V 240V 50Hz 1phase	23	16	7.1	5.6	2.02	6.8	5.4	2.21	6.5	5.3	2.40	5.5	4.4	2.11	5.0	4.2	1.92
			19	7.7	4.3	2.10	7.3	4.1	2.30	7.0	4.0	2.50	5.9	3.3	2.20	5.4	3.1	2.00
			22	8.4	3.0	2.18	8.0	2.8	2.39	7.6	2.6	2.60	6.5	2.2	2.29	5.9	2.1	2.08
		25	16	7.1	6.4	2.02	6.8	6.3	2.21	6.5	6.1	2.40	5.5	5.1	2.11	5.0	4.8	1.92
			19	7.7	5.1	2.10	7.3	5.0	2.30	7.0	4.8	2.50	5.9	4.1	2.20	5.4	3.8	2.00
			22	8.4	3.9	2.18	8.0	3.7	2.39	7.6	3.5	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	5.9	2.10	7.3	5.7	2.30	7.0	5.5	2.50	5.9	4.8	2.20	5.4	4.5	2.00
			22	8.4	4.6	2.18	8.0	4.6	2.39	7.6	4.3	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	6.8	2.10	7.3	6.5	2.30	7.0	6.4	2.50	5.9	5.5	2.20	5.4	5.1	2.00
			22	8.4	5.5	2.18	8.0	5.3	2.39	7.6	5.2	2.60	6.5	4.5	2.29	5.9	4.2	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	6.8	2.10	7.3	6.5	2.30	7.0	6.4	2.50	5.9	5.5	2.20	5.4	5.1	2.00
			22	8.4	5.5	2.18	8.0	5.3	2.39	7.6	5.2	2.60	6.5	4.5	2.29	5.9	4.2	2.08
S-71PT2E5A U-71PEY1E5	220V 230V 240V 50Hz 1phase	23	16	7.9	5.9	2.27	7.5	5.7	2.49	7.2	5.6	2.71	6.1	4.7	2.38	5.5	4.5	2.17
			19	8.5	4.6	2.37	8.1	4.4	2.59	7.7	4.3	2.82	6.5	3.6	2.48	5.9	3.4	2.26
			22	9.2	3.3	2.46	8.8	3.1	2.70	8.4	2.9	2.93	7.1	2.6	2.58	6.4	2.2	2.35
		25	16	7.9	6.7	2.27	7.5	6.4	2.49	7.2	6.2	2.71	6.1	5.4	2.38	5.5	5.2	2.17
			19	8.5	5.4	2.37	8.1	5.2	2.59	7.7	4.9	2.82	6.5	4.3	2.48	5.9	4.1	2.26
			22	9.2	4.1	2.46	8.8	3.9	2.70	8.4	3.8	2.93	7.1	3.2	2.58	6.4	3.0	2.35
		27	16	7.9	7.5	2.27	7.5	7.2	2.49	7.2	7.0	2.71	6.1	6.1	2.38	5.5	5.5	2.17
			19	8.5	6.2	2.37	8.1	6.0	2.59	7.7	5.7	2.82	6.5	4.9	2.48	5.9	4.9	2.26
			22	9.2	4.9	2.46	8.8	4.7	2.70	8.4	4.6	2.93	7.1	3.9	2.58	6.4	3.8	2.35
		29	16	7.9	7.9	2.27	7.5	7.5	2.49	7.2	7.2	2.71	6.1	6.1	2.38	5.5	5.5	2.17
			19	8.5	7.1	2.37	8.1	6.8	2.59	7.7	6.5	2.82	6.5	5.6	2.48	5.9	5.6	2.26
			22	9.2	5.7	2.46	8.8	5.6	2.70	8.4	5.3	2.93	7.1	4.7	2.58	6.4	4.4	2.35
		32	16	7.9	7.9	2.27	7.5	7.5	2.49	7.2	7.2	2.71	6.1	6.1	2.38	5.5	5.5	2.17
			19	8.5	7.1	2.37	8.1	6.8	2.59	7.7	6.5	2.82	6.5	5.6	2.48	5.9	5.6	2.26
			22	9.2	5.7	2.46	8.8	5.6	2.70	8.4	5.3	2.93	7.1	4.7	2.58	6.4	4.4	2.35
S-100PT2E5A U-100PEY1E5 (U-100PEY1E8)	220V 230V 240V 50Hz 1phase (3phase)	23	16	11.1	8.3	3.49	10.6	7.9	3.76	10.1	7.6	4.02	8.5	6.7	3.82	6.1	5.6	2.64
			19	11.9	6.2	3.64	11.3	5.9	3.92	10.7	5.7	4.20	9.1	5.0	3.99	6.5	4.0	2.75
			22	13.0	4.1	3.76	12.4	4.0	4.05	11.8	3.8	4.34	10.0	3.2	4.13	7.2	2.3	2.84
		25	16	11.5	9.9	3.54	11.0	9.5	3.82	10.4	9.0	4.09	8.8	8.2	3.89	6.3	6.0	2.68
			19	12.3	7.8	3.70	11.7	7.4	3.98	11.1	7.2	4.27	9.4	6.3	4.06	6.8	5.2	2.80
			22	13.5	5.7	3.82	12.8	5.4	4.12	12.2	5.2	4.42	10.3	4.5	4.20	7.4	3.5	2.89
		27	16	11.9	11.3	3.60	11.3	10.7	3.88	10.8	10.2	4.16	9.1	8.6	3.95	6.6	6.3	2.73
			19	12.7	9.4	3.76	12.1	9.0	4.05	11.5	8.6	4.34	9.8	7.7	4.12	7.0	6.5	2.84
			22	13.9	7.4	3.89	13.3	7.1	4.19	12.6	6.7	4.49	10.7	5.9	4.27	7.7	4.8	2.94
		29	16	12.1	11.5	3.61	11.5	10.9	3.89	10.9	10.3	4.17	9.3	8.8	3.96	6.7	6.4	2.73
			19	12.9	11.0	3.77	12.3	10.5	4.06	11.7	10.1	4.35	9.9	9.1	4.13	7.1	6.7	2.85
			22	14.1	8.9	3.90	13.5	8.5	4.20	12.8	8.2	4.50	10.9	7.3	4.28	7.8	6.0	2.95
		32	16	12.3	11.7	3.62	11.7	11.1	3.90	11.1	10.5	4.18	9.4	8.9	3.97	6.8	6.4	2.74
			19	13.1	11.2	3.78	12.5	10.7	4.07	11.8	10.2	4.36	10.1	9.3	4.14	7.2	6.8	2.86
			22	14.3	9.0	3.91	13.7	8.6	4.21	13.0	8.3	4.51	11.0	7.4	4.29	7.9	6.1	2.96
S-125PT2E5A U-125PEY1E5 (U-125PEY1E8)	220V 230V 240V 50Hz 1phase (3phase)	23	16	12.5	9.1	4.14	12.2	8.9	4.46	11.8	8.6	4.79	9.5	7.2	4.55	7.2	6.3	3.13
			19	13.4	7.0	4.32	13.0	6.8	4.66	12.6	6.6	4.99	10.2	5.5	4.74	7.7	4.5	3.27
			22	14.7	4.9	4.47	14.3	4.9	4.82	13.8	4.6	5.16	11.1	3.8	4.91	8.4	2.8	3.38
		25	16	13.0	10.8	4.21	12.6	10.4	4.54	12.2	10.2	4.87	9.9	8.6	4.62	7.4	7.3	3.19
			19	13.8	8.6	4.40	13.5	8.3	4.74	13.1	8.1	5.08	10.5	6.7	4.82	8.0	5.8	3.32
			22	15.2	6.5	4.55	14.8	6.3	4.90	14.3	6.1	5.25	11.5	5.0	4.99	8.7	4.0	3.44
		27	16	13.4	12.4	4.28	13.0	12.1	4.62	12.6	11.8	4.95	10.2	10.0	4.70	7.7	7.6	3.24
			19	14.3	10.2	4.47	13.9	10.0	4.81	13.5	9.7	5.16	10.9	8.2	4.90	8.2	7.2	3.38
			22	15.7	8.2	4.62	15.3	7.9	4.98	14.8	7.8	5.34	11.9	6.4	5.07	9.0	5.3	3.50
		29	16	13.6	13.3	4.29	13.2	12.9	4.63	12.8	12.6	4.96	10.3	10.1	4.71	7.8	7.6	3.25
			19	14.5	11.8	4.48	14.1	11.4	4.83	13.7	11.2	5.17	11.1	9.5	4.92	8.3	8.1	3.39
			22	15.9	9.7	4.63	15.5	9.5	4.99	15.0	9.2	5.35	12.1	7.7	5.09	9.1	6.7	3.50
		32	16	13.8	13.5	4.30	13.4	13.1	4.64	13.0	12.7	4.97	10.5	10.3	4.72	7.9	7.7	3.26
			19	14.7	11.9	4.49	14.3	11.6	4.84	13.9	11.3	5.19	11.2	9.6	4.93	8.5	8.3	3.40
			22	16.2	9.8	4.65	15.7	9.6	5.01	15.2	9.3	5.36	12.3	7.8	5.10	9.3	6.8	3.51
S-140PT2E5A U-140PEY1E8	220V 230V 240V 50Hz 3phase	23	16	13.6	9.6	4.63	13.6	9.6	4.97	13.1	9.3	5.29	12.2	9.0	5.50	8.9	7.5	4.49
			19	14.6	7.5	4.82	14.6	7.5	5.18	14.0	7.2	5.51	13.0	6.9	5.73	9.5	5.4	4.69
			22	16.0	5.5	4.99	16.0	5.4	5.36	15.4	5.3	5.70	14.3	4.8	5.93	10.4	3.5	4.85
		25	16	14.1	11.3	4.70	14.1	11.3	5.05	13.6	11.0	5.38	12.6	10.7	5.59	9.2	9.1	4.57
			19	15.1	9.2	4.91	15.1	9.1	5.27	14.5	8.8	5.61	13.5	8.5	5.83	9.9	7.0	4.77
			22	16.5	6.9	5.08	16.5	7.0	5.45	15.9	6.7	5.80	14.8	6.4	6.03	10.8	4.9	4.93
		27	16	14.6	13.0	4.78	14.6	13.1	5.14	14.0	12.7	5.46	13.1	12.5	5.68	9.5	9.4	4.64
			19	15.6	10.9	4.99	15.6	10.8	5.36	15.0	10.4	5.70	14.0	10.2	5.93	10.2	8.6	4.85
			22	17.1	8.6	5.16	17.1	8.7	5.54	16.4	8.4	5.90	15.3	8.0	6.13	11.2	6.5	5.01
		29	16	14.8	14.6	4.79	14.8	14.6	5.15	14.3	14.1	5.48	13.3	13.1	5.70	9.7	9.6	4.66
			19	15.8	12.3	5.00	15.8	12.4	5.37	15.2	12.0	5.71	14.2	11.8	5.94	10.4	10.1	4.86
			22	17.3	10.2	5.17	17.3	10.3	5.56	16.7	10.0	5.91	15.5	9.5	6.15	11.3	7.9	5.02
		32	16	15.0	14.8	4.81	15.0	14.8	5.16	14.5	14.3	5.49	13.4	13.2	5.71	9.8	9.7	4.67
			19	16.1	12.5	5.01	16.1	12.6	5.38	15.4	12.1	5.73	14.4	11.9	5.96	10.5	10.2	4.87
			22	17.6	10.4	5.19	17.6	10.5	5.57	16.9	10.1	5.93	15.7	9.7	6.16	11.5	8.0	5.04

1-13. Capacity Table

1. Cooling Capacity Performance Data

• Combination of Multiple Unit

Ceiling 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-36PT2E5Ax2 U-71PEY1E5	220V 230V 240V 50Hz 1phase	23	16	7.9	6.5	2.27	7.5	6.4	2.49	7.2	6.2	2.71	6.1	5.4	2.38	5.5	5.2	2.17
			19	8.5	4.9	2.37	8.1	4.8	2.59	7.7	4.6	2.82	6.5	3.9	2.48	5.9	3.8	2.26
			22	9.2	3.3	2.46	8.8	3.2	2.70	8.4	3.0	2.93	7.1	2.5	2.58	6.4	2.3	2.35
		25	16	7.9	7.6	2.27	7.5	7.3	2.49	7.2	7.2	2.71	6.1	6.1	2.38	5.5	5.5	2.17
			19	8.5	6.0	2.37	8.1	5.8	2.59	7.7	5.5	2.82	6.5	4.9	2.48	5.9	4.7	2.26
			22	9.2	4.4	2.46	8.8	4.3	2.70	8.4	4.1	2.93	7.1	3.5	2.58	6.4	3.3	2.35
		27	16	7.9	7.9	2.27	7.5	7.5	2.49	7.2	7.2	2.71	6.1	6.1	2.38	5.5	5.5	2.17
			19	8.5	7.0	2.37	8.1	6.9	2.59	7.7	6.6	2.82	6.5	5.7	2.48	5.9	5.6	2.26
			22	9.2	5.4	2.46	8.8	5.2	2.70	8.4	5.1	2.93	7.1	4.4	2.58	6.4	4.2	2.35
		29	16	7.9	7.9	2.27	7.5	7.5	2.49	7.2	7.2	2.71	6.1	6.1	2.38	5.5	5.5	2.17
			19	8.5	8.1	2.37	8.1	7.8	2.59	7.7	7.5	2.82	6.5	6.5	2.48	5.9	5.9	2.26
			22	9.2	6.5	2.46	8.8	6.3	2.70	8.4	6.0	2.93	7.1	5.4	2.58	6.4	5.2	2.35
		32	16	7.9	7.9	2.27	7.5	7.5	2.49	7.2	7.2	2.71	6.1	6.1	2.38	5.5	5.5	2.17
			19	8.5	8.1	2.37	8.1	7.8	2.59	7.7	7.5	2.82	6.5	6.5	2.48	5.9	5.9	2.26
			22	9.2	6.5	2.46	8.8	6.3	2.70	8.4	6.0	2.93	7.1	5.4	2.58	6.4	5.2	2.35
S-50PT2E5Ax2 U-100PEY1E5 (U-100PEY1E8)	220V 230V 240V 50Hz 1phase (3phase)	23	16	11.1	8.5	3.49	10.6	8.1	3.76	10.1	7.8	4.02	8.5	6.8	3.82	6.1	5.6	2.64
			19	11.9	6.5	3.64	11.3	6.1	3.92	10.7	5.8	4.20	9.1	5.1	3.99	6.5	4.0	2.75
			22	13.0	4.6	3.76	12.4	4.4	4.05	11.8	4.2	4.34	10.0	3.5	4.13	7.2	2.5	2.84
		25	16	11.5	10.0	3.54	11.0	9.6	3.82	10.4	9.1	4.09	8.8	8.1	3.89	6.3	6.3	2.68
			19	12.3	7.9	3.70	11.7	7.5	3.98	11.1	7.2	4.27	9.4	6.3	4.06	6.8	5.2	2.80
			22	13.5	6.1	3.82	12.8	5.8	4.12	12.2	5.5	4.42	10.3	4.7	4.20	7.4	3.6	2.89
		27	16	11.9	11.6	3.60	11.3	11.0	3.88	10.8	10.6	4.16	9.1	9.1	3.95	6.6	6.6	2.73
			19	12.7	9.5	3.76	12.1	9.0	4.05	11.5	8.6	4.34	9.8	7.7	4.12	7.0	6.3	2.84
			22	13.9	7.5	3.89	13.3	7.1	4.19	12.6	6.9	4.49	10.7	6.0	4.27	7.7	4.8	2.94
		29	16	12.1	12.1	3.61	11.5	11.5	3.89	10.9	10.9	4.17	9.3	9.3	3.96	6.7	6.7	2.73
			19	12.9	10.9	3.77	12.3	10.4	4.06	11.7	10.1	4.35	9.9	8.9	4.13	7.1	7.1	2.85
			22	14.1	8.9	3.90	13.5	8.5	4.20	12.8	8.3	4.50	10.9	7.3	4.28	7.8	5.9	2.95
		32	16	12.3	12.3	3.62	11.7	11.7	3.90	11.1	11.1	4.18	9.4	9.4	3.97	6.8	6.8	2.74
			19	13.1	11.1	3.78	12.5	10.6	4.07	11.8	10.2	4.36	10.1	9.1	4.14	7.2	7.2	2.86
			22	14.3	9.1	3.91	13.7	8.7	4.21	13.0	8.4	4.51	11.0	7.4	4.29	7.9	6.0	2.96
S-60PT2E5Ax2 U-125PEY1E5 (U-125PEY1E8)	220V 230V 240V 50Hz 1phase (3phase)	23	16	12.5	9.7	4.14	12.2	9.5	4.46	11.8	9.2	4.79	9.5	7.8	4.55	7.2	6.8	3.13
			19	13.4	7.4	4.32	13.0	7.2	4.66	12.6	7.0	4.99	10.2	5.8	4.74	7.7	4.8	3.27
			22	14.7	5.1	4.47	14.3	4.9	4.82	13.8	4.8	5.16	11.1	3.8	4.91	8.4	2.9	3.38
		25	16	13.0	11.6	4.21	12.6	11.3	4.54	12.2	11.0	4.87	9.9	9.4	4.62	7.4	7.4	3.19
			19	13.8	9.1	4.40	13.5	9.0	4.74	13.1	8.8	5.08	10.5	7.3	4.82	8.0	6.3	3.32
			22	15.2	6.8	4.55	14.8	6.7	4.90	14.3	6.4	5.25	11.5	5.3	4.99	8.7	4.3	3.44
		27	16	13.4	13.4	4.28	13.0	13.0	4.62	12.6	12.6	4.95	10.2	10.2	4.70	7.7	7.7	3.24
			19	14.3	10.9	4.47	13.9	10.7	4.81	13.5	10.5	5.16	10.9	8.8	4.90	8.2	7.8	3.38
			22	15.7	8.7	4.62	15.3	8.4	4.98	14.8	8.2	5.34	11.9	6.8	5.07	9.0	5.7	3.50
		29	16	13.6	13.6	4.29	13.2	13.2	4.63	12.8	12.8	4.96	10.3	10.3	4.71	7.8	7.8	3.25
			19	14.5	12.7	4.48	14.1	12.4	4.83	13.7	12.2	5.17	11.1	10.4	4.92	8.3	8.3	3.39
			22	15.9	10.4	4.63	15.5	10.1	4.99	15.0	9.9	5.35	12.1	8.4	5.09	9.1	7.2	3.50
		32	16	13.8	13.8	4.30	13.4	13.4	4.64	13.0	13.0	4.97	10.5	10.5	4.72	7.9	7.9	3.26
			19	14.7	12.9	4.49	14.3	12.6	4.84	13.9	12.3	5.19	11.2	10.5	4.93	8.5	8.5	3.40
			22	16.2	10.6	4.65	15.7	10.2	5.01	15.2	10.0	5.36	12.3	8.5	5.10	9.3	7.4	3.51
S-71PT2E5Ax2 U-140PEY1E8	220V 230V 240V 50Hz 3phase	23	16	13.6	10.3	4.63	13.6	10.4	4.97	13.1	10.1	5.29	12.2	9.7	5.50	8.9	8.2	4.49
			19	14.6	8.1	4.82	14.6	8.0	5.18	14.0	7.7	5.51	13.0	7.3	5.73	9.5	5.8	4.69
			22	16.0	5.7	4.99	16.0	5.7	5.36	15.4	5.4	5.70	14.3	5.0	5.93	10.4	3.7	4.85
		25	16	14.1	12.2	4.70	14.1	12.2	5.05	13.6	11.9	5.38	12.6	11.6	5.59	9.2	9.2	4.57
			19	15.1	9.8	4.91	15.1	9.8	5.27	14.5	9.5	5.61	13.5	9.1	5.83	9.9	7.6	4.77
			22	16.5	7.4	5.08	16.5	7.5	5.45	15.9	7.2	5.80	14.8	6.8	6.03	10.8	5.3	4.93
		27	16	14.6	14.2	4.78	14.6	14.2	5.14	14.0	13.8	5.46	13.1	13.1	5.68	9.5	9.5	4.64
			19	15.6	11.7	4.99	15.6	11.6	5.36	15.0	11.2	5.70	14.0	11.1	5.93	10.2	9.3	4.85
			22	17.1	9.2	5.16	17.1	9.3	5.54	16.4	8.9	5.90	15.3	8.6	6.13	11.2	7.0	5.01
		29	16	14.8	14.8	4.79	14.8	14.8	5.15	14.3	14.3	5.48	13.3	13.3	5.70	9.7	9.7	4.66
			19	15.8	13.3	5.00	15.8	13.4	5.37	15.2	13.0	5.71	14.2	12.8	5.94	10.4	10.4	4.86
			22	17.3	11.0	5.17	17.3	11.0	5.56	16.7	10.7	5.91	15.5	10.3	6.15	11.3	8.5	5.02
		32	16	15.0	15.0	4.81	15.0	15.0	5.16	14.5	14.5	5.49	13.4	13.4	5.71	9.8	9.8	4.67
			19	16.1	13.6	5.01	16.1	13.7	5.38	15.4	13.1	5.73	14.4	12.9	5.96	10.5	10.5	4.87
			22	17.6	11.2	5.19	17.6	11.2	5.57	16.9	10.9	5.93	15.7	10.4	6.16	11.5	8.7	5.04

1-13. Capacity Table

2. Heating Capacity Performance Data

• Combination of Single Unit

Ceiling 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-50PT2E5A U-50PE1E5	220V 230V 240V 50Hz 1phase	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-60PT2E5A U-60PE1E5A	220V 230V 240V 50Hz 1phase	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-71PT2E5A U-71PE1E5A (U-71PE1E8A)	220V 230V 240V 50Hz 1phase (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-100PT2E5A U-100PE1E5A (U-100PE1E8A)	220V 230V 240V 50Hz 1phase (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-125PT2E5A U-125PE1E5A (U-125PE1E8A)	220V 230V 240V 50Hz 1phase (3 phase)	16	16.7	5.53	17.2	5.44	17.3	4.92	17.3	4.34	17.3	3.67
		20	15.5	5.85	15.9	5.75	16.0	5.21	16.0	4.59	16.0	3.88
		24	14.5	5.94	14.9	5.85	15.0	5.29	15.0	4.66	15.0	3.94
S-140PT2E5A U-140PE1E5A (U-140PE1E8A)	220V 230V 240V 50Hz 1phase (3 phase)	16	18.1	5.75	19.2	5.72	19.4	5.60	19.4	4.93	19.4	4.17
		20	16.7	6.08	17.8	6.06	18.0	5.93	18.0	5.22	18.0	4.42
		24	15.7	6.18	16.7	6.15	16.9	6.03	16.9	5.30	16.9	4.49

1-13. Capacity Table

2. Heating Capacity Performance Data

TC :Cooling Capacity

IPT :Cooling Power Consumption

• Combination of Multiple Unit

unit : kW

Ceiling Type

Cooling type			Outdoor air intake temp(°C W.B.)									
Model	Power Source	Ambient Return Air	-5°C		0°C		6°C		10°C		15°C	
		DB	TC	IPT	TC	IPT	TC	IPT	TC	IPT	TC	IPT
S-36PT2E5Ax2 U-71PE1E5A (U-71PE1E8A)	220V 230V 240V 50Hz 1phase (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-36PT2E5Ax3 U-100PE1E5A (U-100PE1E8A)	220V 230V 240V 50Hz 1phase (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-50PT2E5Ax2 U-100PE1E5A (U-100PE1E8A)	220V 230V 240V 50Hz 1phase (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-36PT2E5Ax4 U-125PE1E5A (U-125PE1E8A)	220V 230V 240V 50Hz 1phase (3 phase)	16	16.7	5.53	17.2	5.44	17.3	4.92	17.3	4.34	17.3	3.67
		20	15.5	5.85	15.9	5.75	16.0	5.21	16.0	4.59	16.0	3.88
		24	14.5	5.94	14.9	5.85	15.0	5.29	15.0	4.66	15.0	3.94
S-45PT2E5Ax3 U-125PE1E5A (U-125PE1E8A)	220V 230V 240V 50Hz 1phase (3 phase)	16	16.7	5.53	17.2	5.44	17.3	4.92	17.3	4.34	17.3	3.67
		20	15.5	5.85	15.9	5.75	16.0	5.21	16.0	4.59	16.0	3.88
		24	14.5	5.94	14.9	5.85	15.0	5.29	15.0	4.66	15.0	3.94
S-60PT2E5Ax2 U-125PE1E5A (U-125PE1E8A)	220V 230V 240V 50Hz 1phase (3 phase)	16	16.7	5.53	17.2	5.44	17.3	4.92	17.3	4.34	17.3	3.67
		20	15.5	5.85	15.9	5.75	16.0	5.21	16.0	4.59	16.0	3.88
		24	14.5	5.94	14.9	5.85	15.0	5.29	15.0	4.66	15.0	3.94
S-50PT2E5Ax3 U-140PE1E5A (U-140PE1E8A)	220V 230V 240V 50Hz 1phase (3 phase)	16	18.1	5.75	19.2	5.72	19.4	5.60	19.4	4.93	19.4	4.17
		20	16.7	6.08	17.8	6.06	18.0	5.93	18.0	5.22	18.0	4.42
		24	15.7	6.18	16.7	6.15	16.9	6.03	16.9	5.30	16.9	4.49
S-71PT2E5Ax2 U-140PE1E5A (U-140PE1E8A)	220V 230V 240V 50Hz 1phase (3 phase)	16	18.1	5.75	19.2	5.72	19.4	5.60	19.4	4.93	19.4	4.17
		20	16.7	6.08	17.8	6.06	18.0	5.93	18.0	5.22	18.0	4.42
		24	15.7	6.18	16.7	6.15	16.9	6.03	16.9	5.30	16.9	4.49

1-13. Capacity Table

2. Heating Capacity Performance Data

• Combination of Single Unit

Ceiling 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-60PT2E5A U-60PEY1E5	220V 230V 240V 50Hz 1phase	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-71PT2E5A U-71PEY1E5	220V 230V 240V 50Hz 1phase	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-100PT2E5A U-100PEY1E5 (U-100PEY1E8)	220V 230V 240V 50Hz 1phase (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-125PT2E5A U-125PEY1E5 (U-125PEY1E8)	220V 230V 240V 50Hz 1phase (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-140PT2E5A U-140PEY1E8	220V 230V 240V 50Hz 3phase	16	16.7	5.53	17.2	5.44	17.3	4.92	17.3	4.34	17.3	3.67
		20	15.5	5.85	15.9	5.75	16.0	5.21	16.0	4.59	16.0	3.88
		24	14.5	5.94	14.9	5.85	15.0	5.29	15.0	4.66	15.0	3.94

1-13. Capacity Table

2. Heating Capacity Performance Data

TC :Cooling Capacity

IPT :Cooling Power Consumption

• Combination of Multiple Unit

unit : kW

Ceiling Type

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-36PT2E5A×2 U-71PEY1E5	220V 230V 240V 50Hz 1phase	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-50PT2E5A×2 U-100PEY1E5 (U-100PEY1E8)	220V 230V 240V 50Hz 1phase (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-60PT2E5A×2 U-125PEY1E5 (U-125PEY1E8)	220V 230V 240V 50Hz 1phase (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-71PT2E5A×2 U-140PEY1E8	220V 230V 240V 50Hz 3phase	16	16.7	5.53	17.2	5.44	17.3	4.92	17.3	4.34	17.3	3.67
		20	15.5	5.85	15.9	5.75	16.0	5.21	16.0	4.59	16.0	3.88
		24	14.5	5.94	14.9	5.85	15.0	5.29	15.0	4.66	15.0	3.94

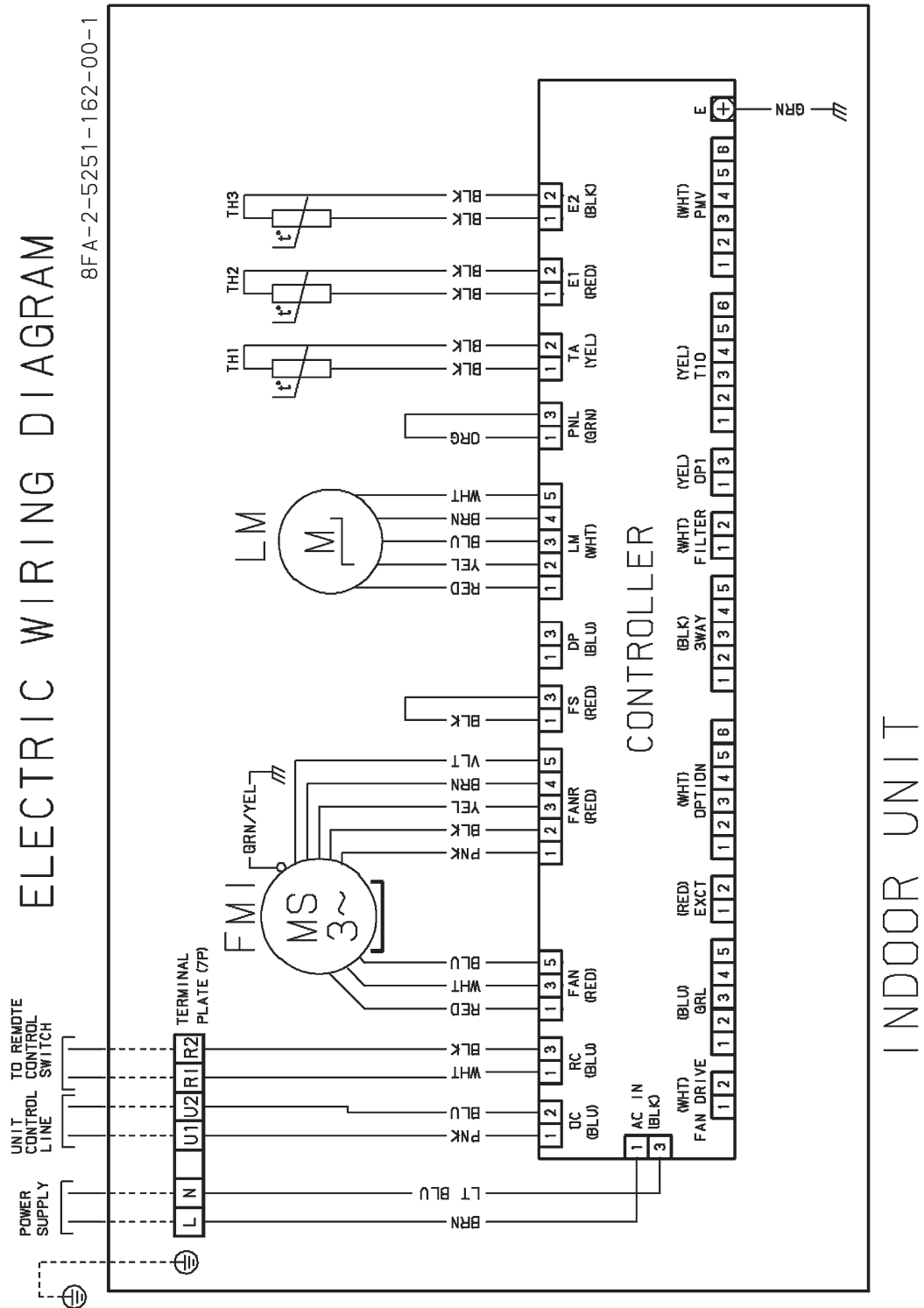
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3-1. Indoor Units

■ Ceiling Type S-36PT1E5 / S-45PT1E5 / S-50PT1E5 / S-60PT1E5 / S-71PT1E5
S-100PT1E5 / S-125PT1E5 / S-140PT1E5

Electric Wiring Diagram

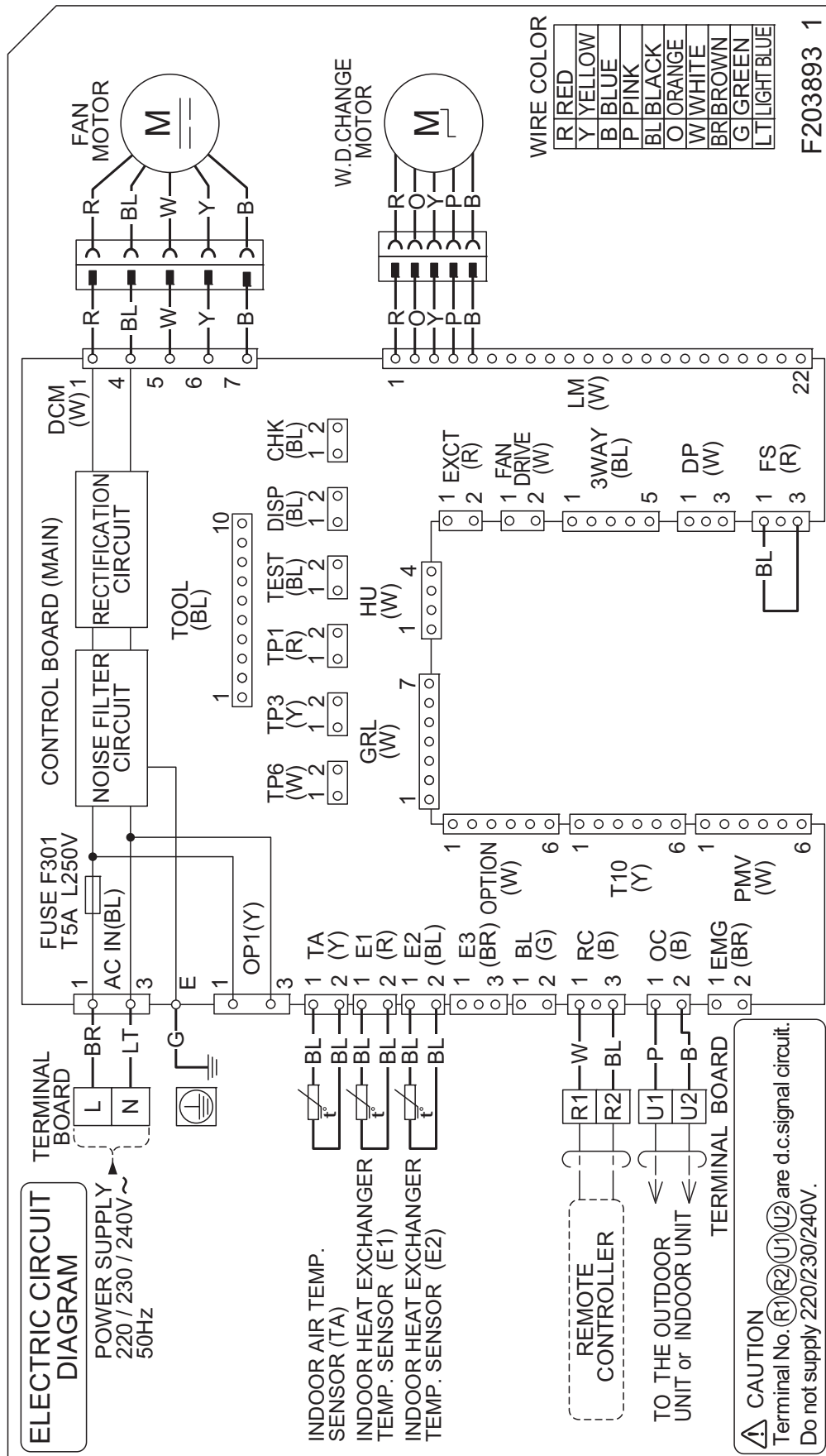


Schematic Diagram

3-1. Indoor Units

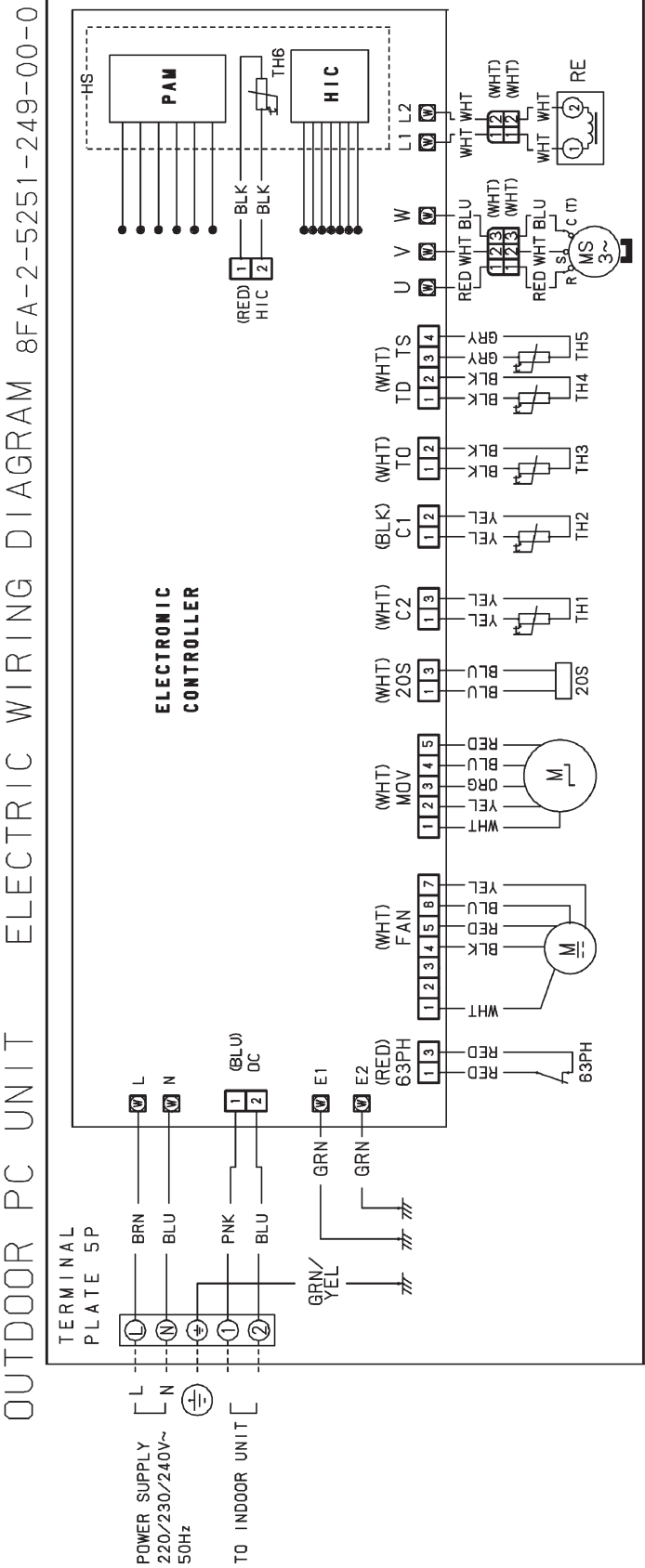
■ Ceiling Type S-36PT2E5A / S-45PT2E5A / S-50PT2E5A / S-60PT2E5A / S-71PT2E5A
S-100PT2E5A / S-125PT2E5A / S-140PT2E5A

Electric Wiring Diagram



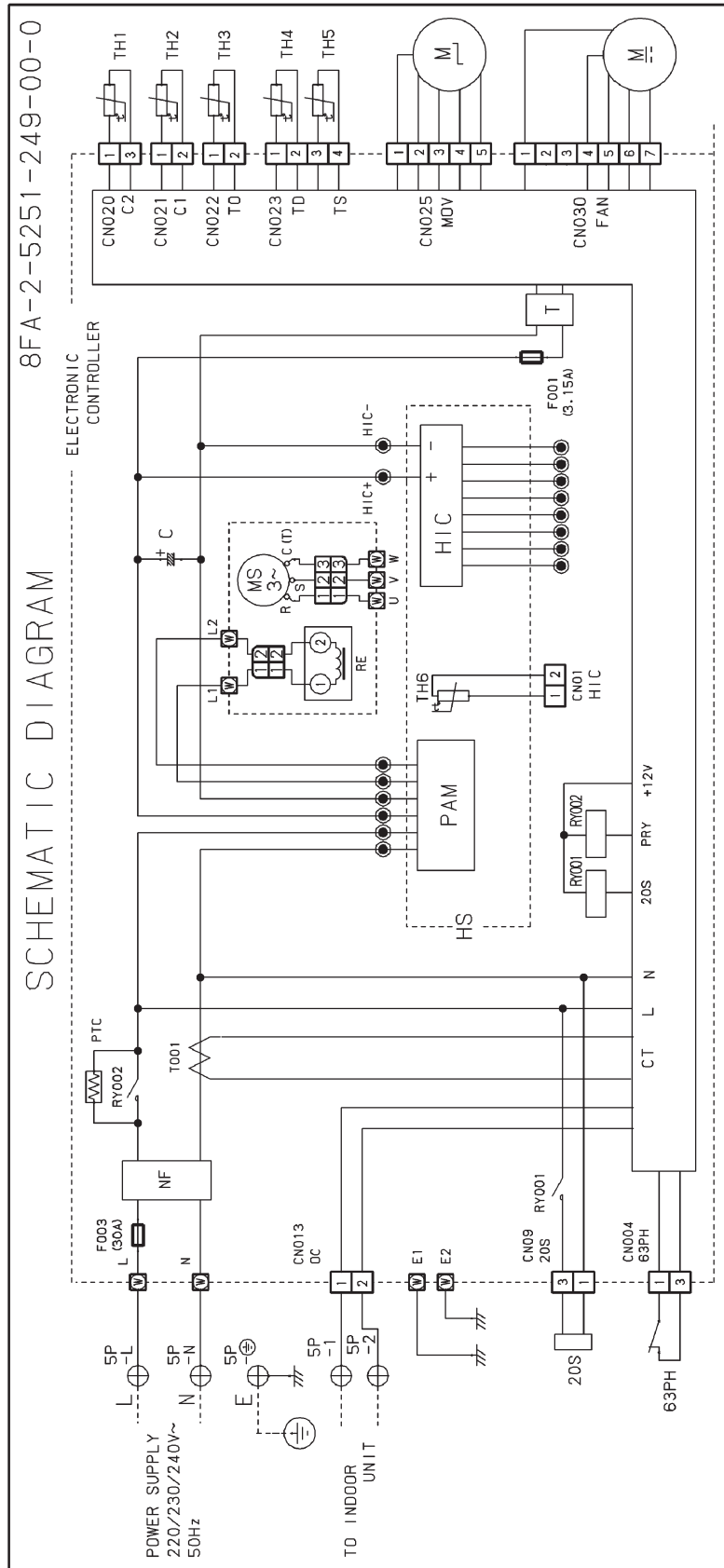
3-2. Outdoor Units

Single-phase U-50PE1E5



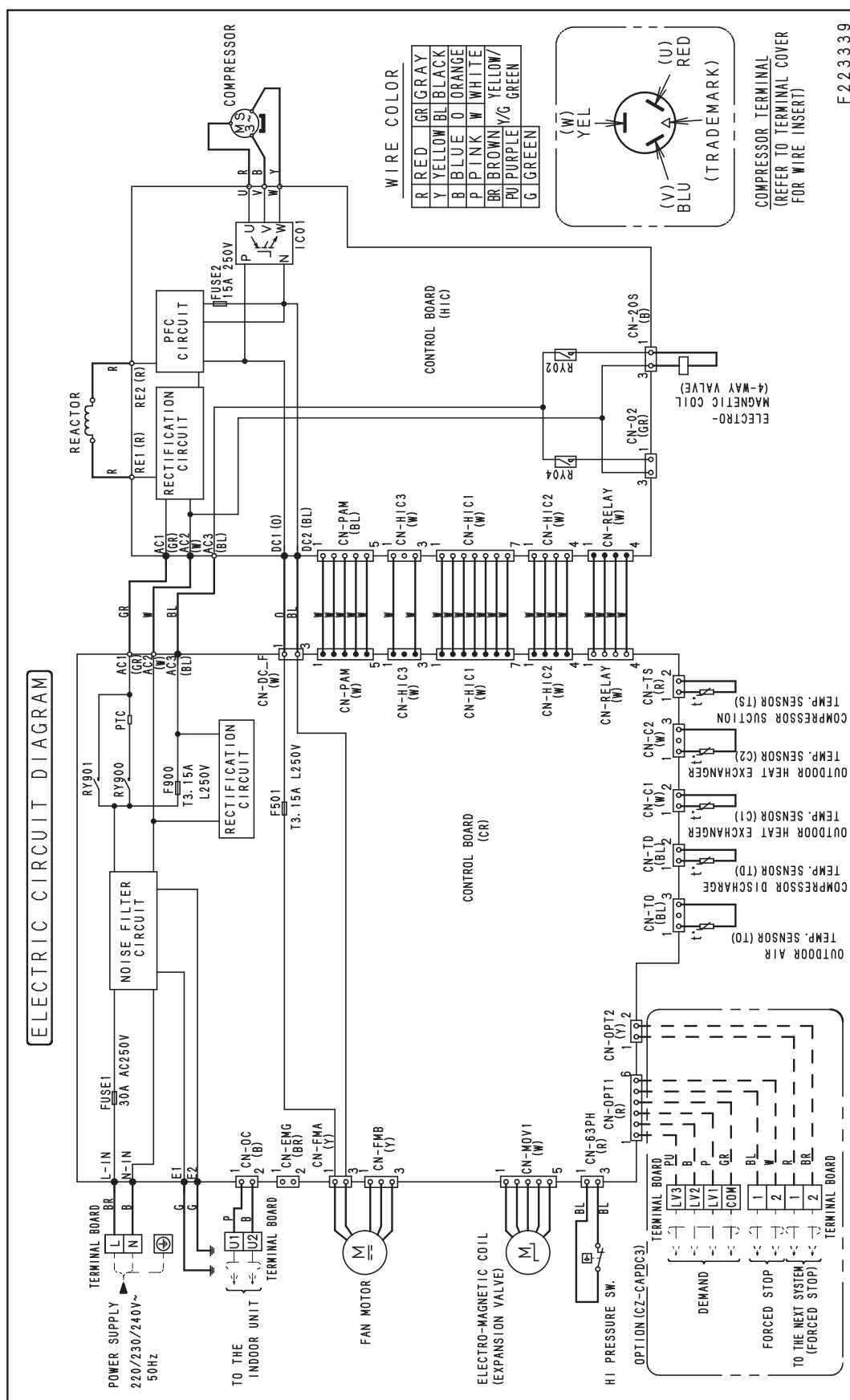
3-2. Outdoor Units

■ Single-phase U-50PE1E5



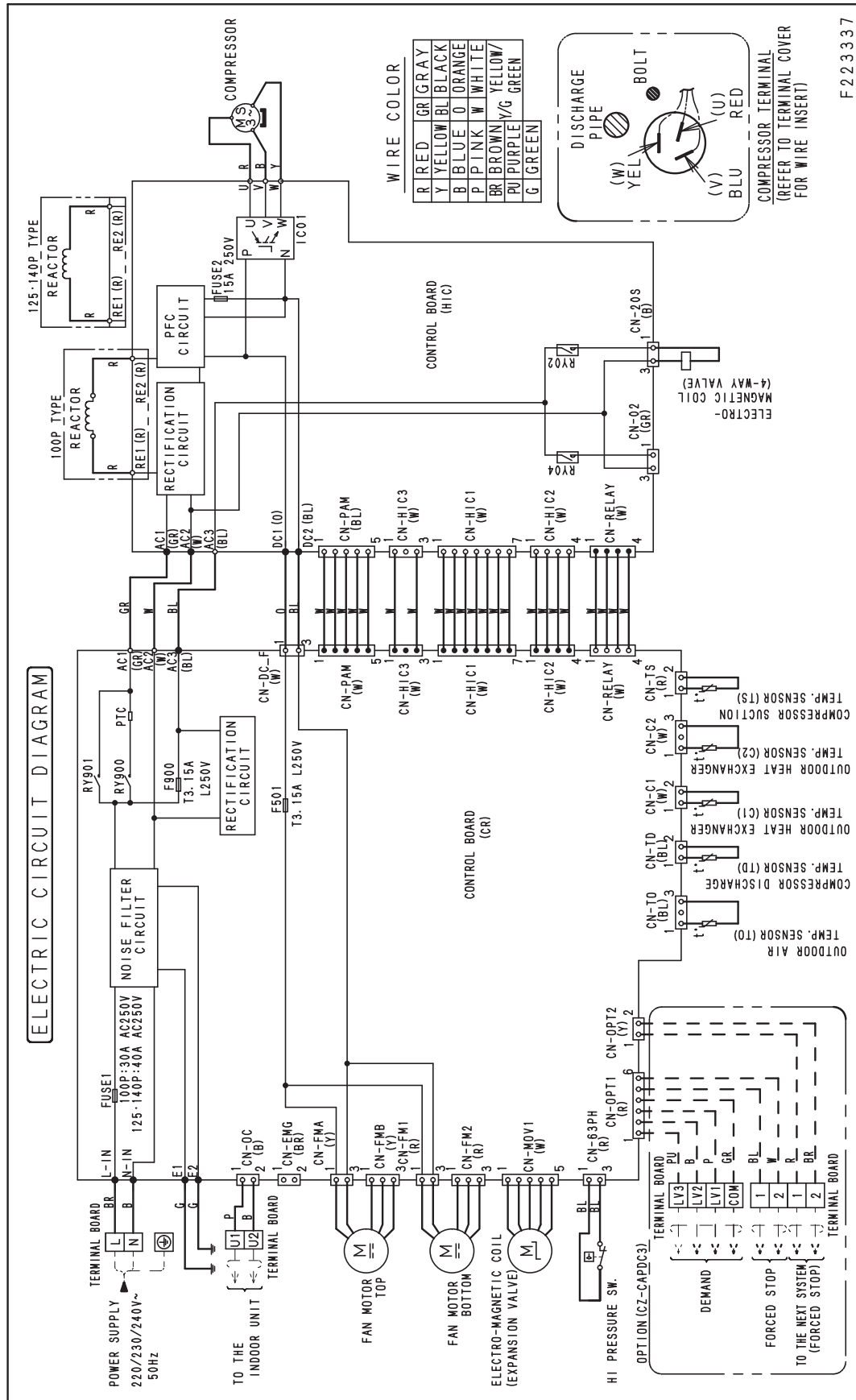
3-2. Outdoor Units

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



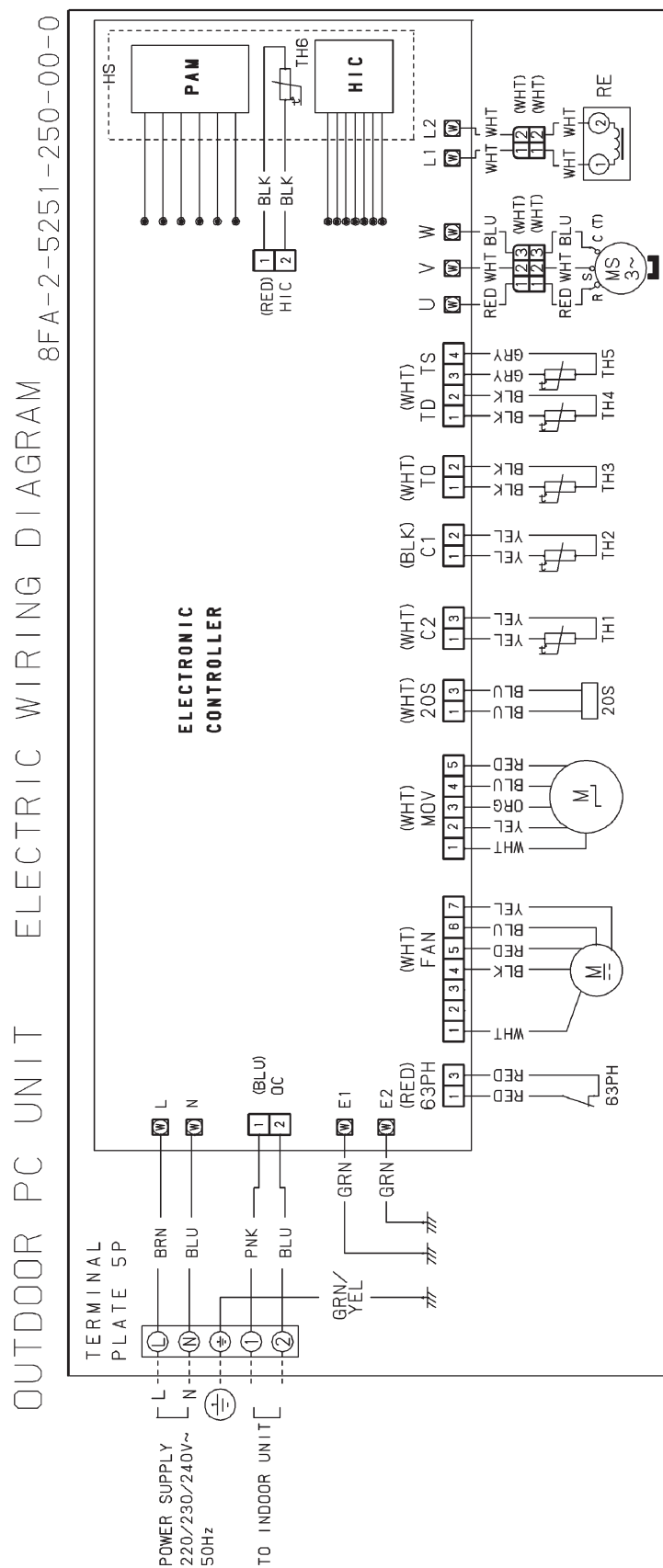
3-2. Outdoor Units

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



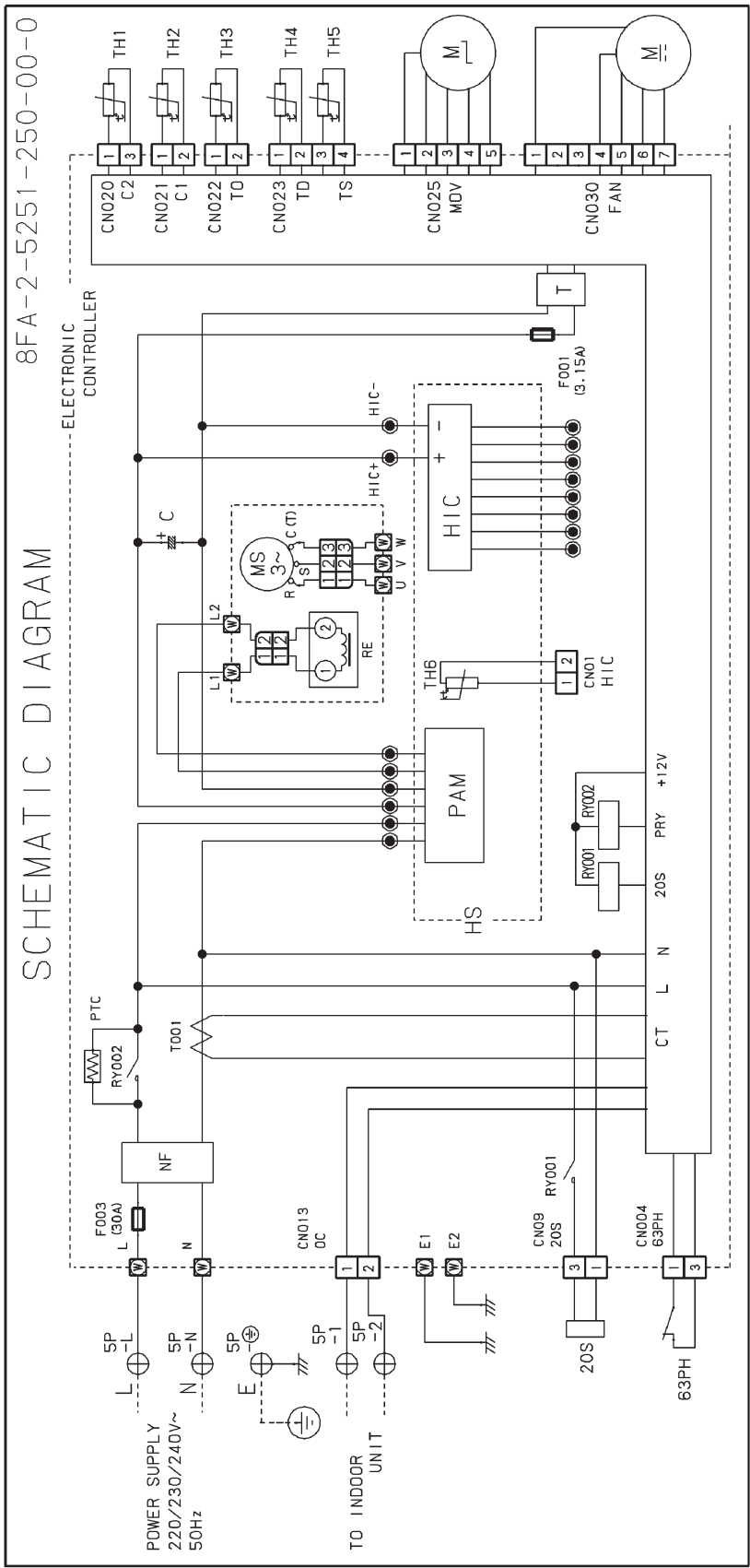
3-2. Outdoor Units

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



3-2. Outdoor Units

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



SYMBOLS	DESCRIPTION	SYMBOLS	DESCRIPTION	SYMBOLS	DESCRIPTION	SYMBOLS	DESCRIPTION
MS 3~	COMPRESSOR MOTOR	NF	NOISE FILTER	HS	HEAT SINK RADIATOR		THERMISTOR
M	OUTDOOR FAN MOTOR	C	ELECTROLYTIC CAPACITOR	TO01	PTC		CONNECTOR
20S	4-WAY VALVE	RE	REACTOR	PTC	PTC THERMISTOR		LEAD WIRE
M	EXPANSION VALVE	HIC	HYBRID IC	T	TRANSFORMER		TERMINAL BOARD
F001.003	OPERATION CIRCUIT FUSE	PAM	PAM IC	RY001.002	RELAY	63PH	PRESSURE SWITCH

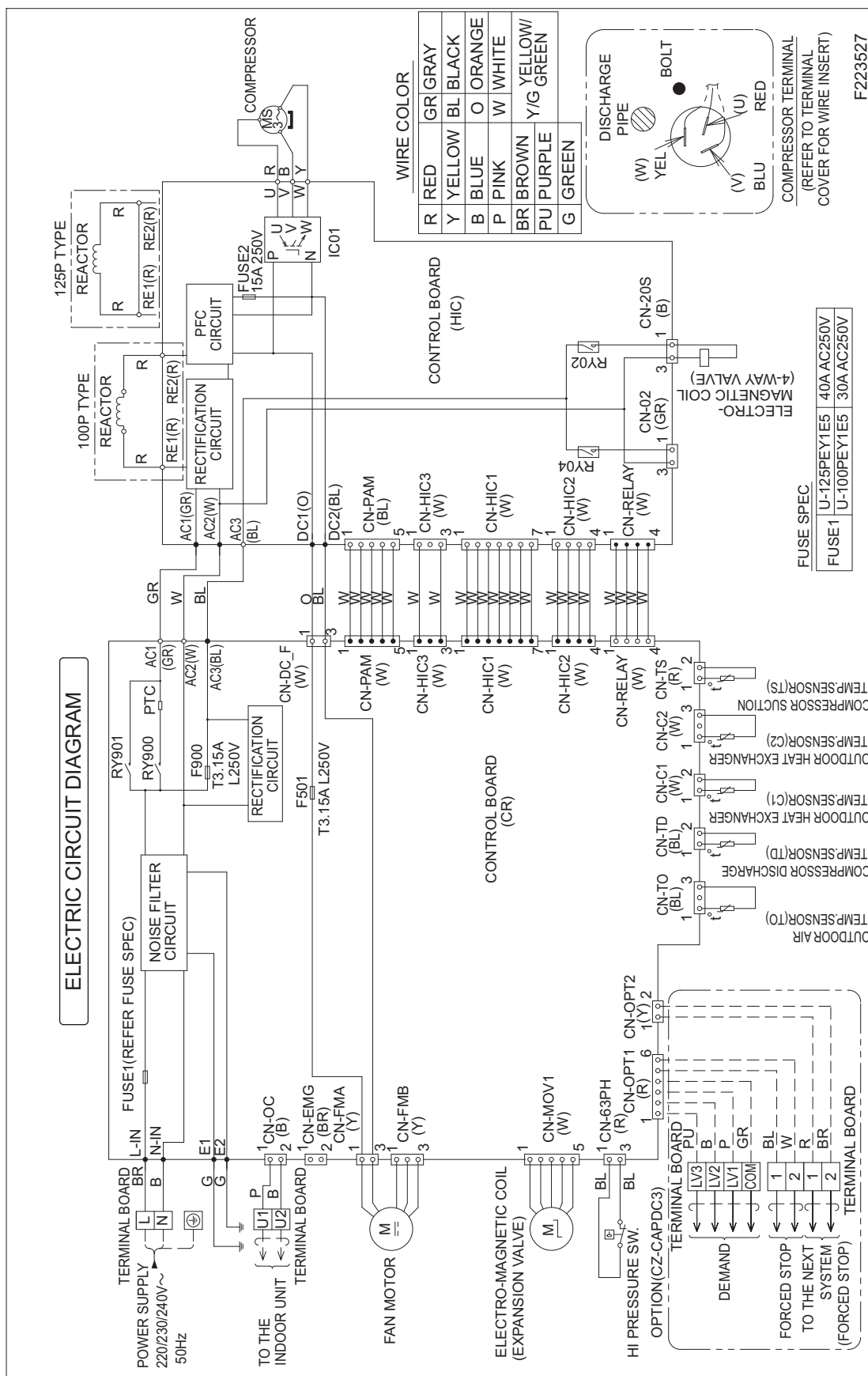


WARNING

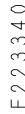
TURN OFF THE MAIN POWER SUPPLY SWITCH WHEN CHANGING P.C.B.. CONFIRM ALL THE L.E.D.S ON THE P.C.B. ARE OFF AND START TO REWORK. OTHERWISE YOU MAY BE KILLED BY AN ELECTRIC SHOCK.

3-2. Outdoor Units

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

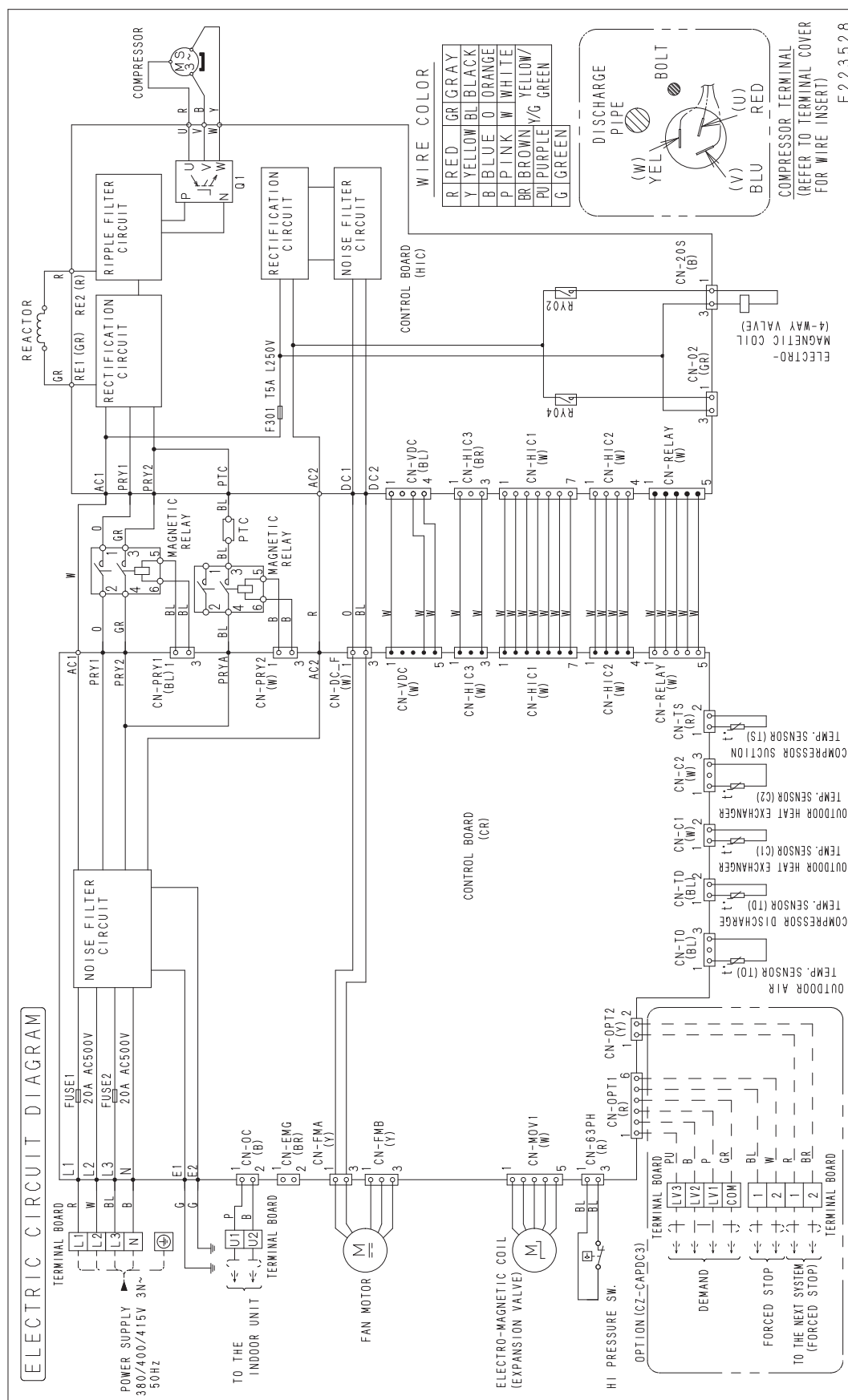


3



3-2. Outdoor Units

■ 3-phase U-100PEY1E8 / U-125PEY1E8



3

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

