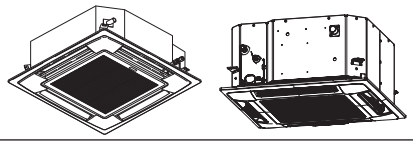
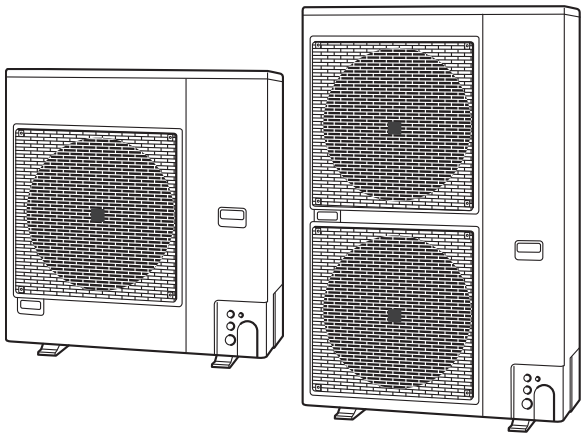
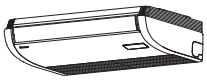
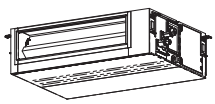
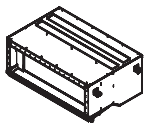
Panasonic

Order No. SBPAC1403009CE

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

85464849331000

REFERENCE NO. **SM830231-00**

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.

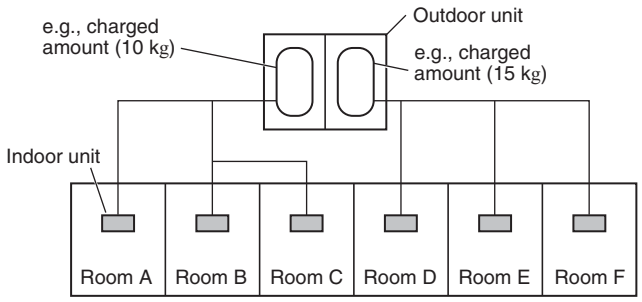
$$\frac{\text{Total amount of refrigerant (kg)}}{\text{Min. volume of the indoor unit installed room (m}^3\text{)}} \leq \text{Density limit (kg/m}^3\text{)}$$

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

NOTE

1. 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:



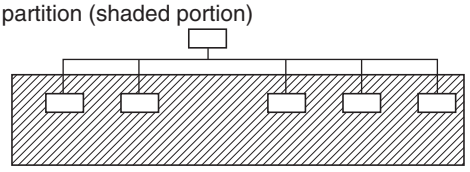
   The possible amount of leaked refrigerant gas in rooms A, B and C is 10 kg.
   The possible amount of leaked refrigerant gas in rooms D, E and F is 15 kg.

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

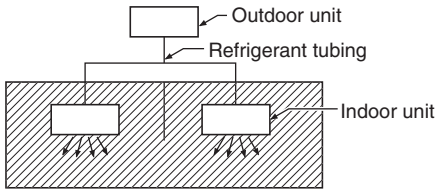
WARNING
· You are requested to use RoHS compliant for maintenance or repair.

2. The standards for minimum room volume are as follows.

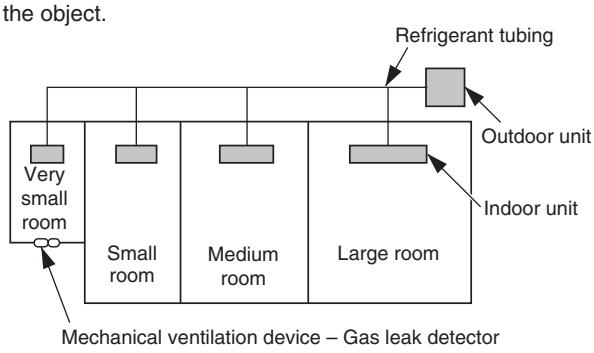
(1) No partition (shaded portion)



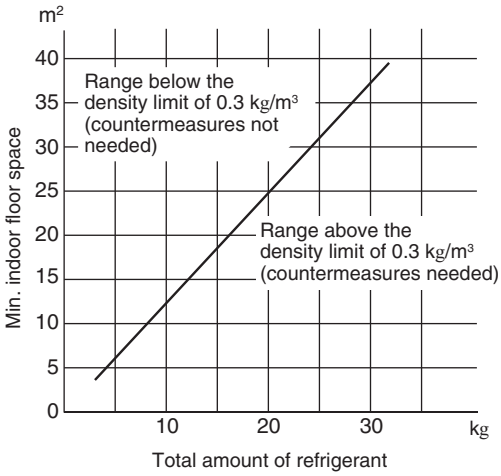
(2) When there is an effective opening with the adjacent room for ventilation of leaking refrigerant gas (opening without a door, or an opening 0.15% or larger than the respective floor spaces at the top or bottom of the door).



(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.



3. 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.

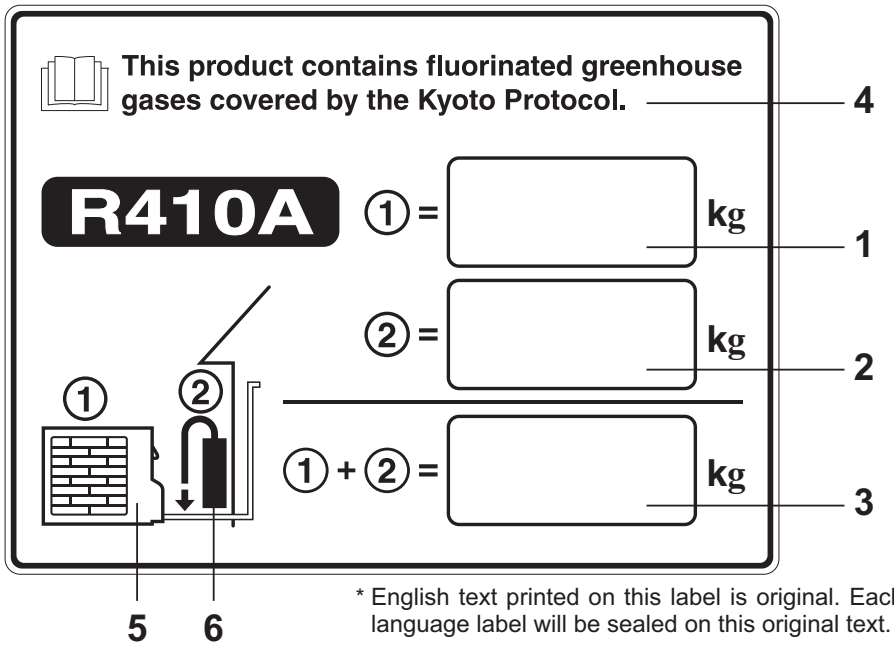
Refrigerant type: R410A
GWP(1) value: 1975
(1) GWP = global warming potential

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).



* 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

—— CONTENTS ——

1. SPECIFICATIONS

Simultaneous (Twin) -Type

1-1. Unit Specifications

PE1

5. Ducted Type S-36PN1E5A×2 / U-71PE1E5A

INDOOR			MODEL	S-36PN1E5A×2							
OUTDOOR			MODEL				U-71PE1E5A				
Branch pipe			MODEL	CZ-P155BK1							
PERFORMANCE TEST CONDITION				ISO13253 / EN14511 / EN14825 / EN12102							
POWER SUPPLY			ø, Hz	1ø 50Hz			1ø 50Hz				
			V	220	230	240	220	230	240	Min	Max
COOLING	CAPACITY		kW	7.1	7.1	7.1				2.5	8.0
			BTU/h	24200	24200	24200				8500	27300
	CURRENT		A	0.42×2	0.43×2	0.44×2	9.70	9.40	9.20	-	-
	INPUT POWER		W	90×2	94×2	98×2	2.010k	2.012k	2.014k	-	-
			TOTAL W	-			2.190k	2.200k	2.210k	550	2.750k
	ANNUAL CONSUMPTION		TOTAL kWh ※4	-			-	1100	-	-	-
	EER/EER CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	3.24	3.23 / A	3.21	4.55	2.91
	Erp ※6	Pdsign	kW	-	-	-	-	7.1	-		
		SEER	(W/W)	-	-	-	-	4.8	-		
		Annual consumption	kWh	-	-	-	-	516	-		
		Class		-	-	-	-	B	-		
	POWER FACTOR		%	-	-	-	94	93	91	-	-
	NOISE INDOOR (H/M/L)		dB-A	40/38/35							
			Power Level dB	57/55/52							
	NOISE OUTDOOR (H/L)		dB-A				48/-				
			Power Level dB				65/-				
HEATING	CAPACITY		kW	8.0	8.0	8.0				2.0	9.0
			BTU/h	27300	27300	27300				6800	30700
	CURRENT		A	0.42×2	0.43×2	0.44×2	10.2	9.9	9.7	-	-
	INPUT POWER		W	90×2	94×2	98×2	2.120k	2.122k	2.124k	-	-
			TOTAL W	-			2.300k	2.310k	2.320k	500	2.920k
	COP/COP CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	3.48	3.46 / B	3.45	4.00	3.08
	Erp ※6	Pdsign	kW	-	-	-	-	6.1	-		
		Tbivalen	°C	-	-	-	-	-9	-		
		SCOP	(W/W)	-	-	-	-	3.8	-		
		Annual consumption	kWh	-	-	-	-	2245	-		
		Class		-	-	-	-	A	-		
	POWER FACTOR		%	-	-	-	94	93	91	-	-
	NOISE INDOOR (H/M/L)		dB-A	40/38/35			-			/	/
			Power Level dB	57/55/52			-				
	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)				0.60×2/130×2	0.62×2/140×2	0.63×2/150×2	18.0/3.800k	18.0/3.930k	18.0/4.060k	/	
STARTING CURRENT(A)/COMP OUTPUT(W)				-	-	-	10.2/2.0k	9.9/2.0k	9.7/2.0k	/	
NETWORK IMPEDANCE (ΩMAX.)				-			-				
FM OUTPUT (W)				60×2			90			/	
MOISTURE REMOVAL VOLUME			L/h(Pt/h)	4.2	(2.1×2)	(8.8)	-				
External static pressure			Pa	50 (MIN10 - MAX80)							
I/D AIR FLOW	COOL		m^3/min (ft^3/min)	[14/12/10 (494/424/353)]×2							
	HEAT		m^3/min (ft^3/min)	[14/12/10 (494/424/353)]×2							
O/D AIR FLOW	COOL		m^3/min (ft^3/min)				60		(2119)		
	HEAT		m^3/min (ft^3/min)				60		(2119)		
REFRIGERANT TYPE, AMOUNT g(oz)							R410A	2.35k	(82.9)	/	
PRO DIM	HEIGHT : H mm(inch)			250 (9-27/32)			996 (39-7/32)			/	
	WIDTH : W mm(inch)			780 (+100) (30-23/32) (+3-15/16)			940 (37-1/32)			/	
	DEPTH : D mm(inch)			650 (25-19/32)			340 (13-13/32)			/	
PAC DIM	HEIGHT : H mm			345			1136			/	
	WIDTH : W mm			1007			1055			/	
	DEPTH : D mm			777			485			/	
MASS	(NET) kg(lb)			29 (64)			69 (152)			/	
	(GROSS) kg(lb)			34 (75)			77 (170)			/	
LAYERS LIMIT (actually)				8 (9)			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				
PIPING	PIPE DIAMETER mm (inch)			(Liquid)ø6.35(1/4) (Gas)ø12.7(1/2)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)				
	CONNECT METHOD, STD LENGTH m (ft)			flared type, 5.0(16.4)			flared type, 5.0(16.4)				
	PIPE LENGTH RANGE m (ft)			5 ~ 50			(16.4 ~ 164.0)			~	~
	I/D&O/D HEIGHT DIFFERENCE m (ft)			15 (OD located lower) / 30 (OD located higher)			(49.2/98.4)				
	ADD GAS AMOUNT g/m (oz/ft)			50			(0.538)				
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)			30			(98.4)				

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/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

5. Ducted Type S-36PN1E5A×3 / U-100PE1E5A

INDOOR			MODEL	S-36PN1E5A×3							
OUTDOOR			MODEL				U-100PE1E5A				
Branch pipe			MODEL	CZ-P3HPC2							
PERFORMANCE TEST CONDITION				ISO13253 / EN14511 / EN14825 / EN12102							
POWER SUPPLY			ø, Hz	1ø 50Hz			1ø 50Hz				
			V	220	230	240	220	230	240	Min	Max
COOLING	CAPACITY		kW	10.0	10.0	10.0				3.3	12.5
			BTU/h	34100	34100	34100				11300	42700
	CURRENT		A	0.42×3	0.43×3	0.44×3	11.6	11.2	10.9	-	-
	INPUT POWER		W	90×3	94×3	98×3	2.465k	2.468k	2.471k	-	-
			TOTAL W	-			2.735k	2.750k	2.765k	870	3.800k
	ANNUAL CONSUMPTION		TOTAL kWh ※4	-			-	1375	-	-	-
	EER/EER CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	3.66	3.64 / A	3.62	3.79	3.29
	Erp ※6	Pdsign	kW	-	-	-	-	10.0	-		
		SEER	(W/W)	-	-	-	-	5.2	-		
		Annual consumption	kWh	-	-	-	-	673	-		
		Class		-	-	-	-	A	-		
	POWER FACTOR		%	-	-	-	97	96	94	-	-
	NOISE INDOOR (H/M/L)		dB-A	40/38/35							
			Power Level dB	57/55/52							
	NOISE OUTDOOR (H/L)		dB-A				52/-				
			Power Level dB				69/-				
HEATING	CAPACITY		kW	11.2	11.2	11.2				4.1	14.0
			BTU/h	38200	38200	38200				14000	47800
	CURRENT		A	0.42×3	0.43×3	0.44×3	12.8	12.5	12.2	-	-
	INPUT POWER		W	90×3	94×3	98×3	2.745k	2.748k	2.751k	-	-
			TOTAL W	-			3.015k	3.030k	3.045k	980	4.500k
	COP/COP CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	3.71	3.70 / A	3.68	4.18	3.11
	Erp ※6	Pdsign	kW	-	-	-	-	10.0	-		
		Tbivalen	°C	-	-	-	-	-10	-		
		SCOP	(W/W)	-	-	-	-	3.8	-		
		Annual consumption	kWh	-	-	-	-	3670	-		
		Class		-	-	-	-	A	-		
	POWER FACTOR		%	-	-	-	97	96	94	-	-
	NOISE INDOOR (H/M/L)		dB-A	40/38/35			-			／	／
			Power Level dB	57/55/52			-				
	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)				0.60×3/130×3	0.62×3/140×3	0.63×3/150×3	25.0/5.350k	25.0/5.550k	25.0/5.750k	／	
STARTING CURRENT(A)/COMP OUTPUT(W)				-	-	-	12.8/3.0k	12.5/3.0k	12.2/3.0k	／	
NETWORK IMPEDANCE (ΩMAX.)				-			-				
FM OUTPUT (W)				60×3			90×2			／	
MOISTURE REMOVAL VOLUME			L/h(Pt/h)	6.0 (2.0×3) (12.6)			-				
External static pressure			Pa	50 (MIN10 - MAX80)							
I/D AIR FLOW	COOL		m^3/min (ft^3/min)	[14/12/10 (494/424/353)]×3							
	HEAT		m^3/min (ft^3/min)	[14/12/10 (494/424/353)]×3							
O/D AIR FLOW	COOL		m^3/min (ft^3/min)				110 (3885)				
	HEAT		m^3/min (ft^3/min)				95 (3355)				
REFRIGERANT TYPE, AMOUNT g(oz)							R410A 3.40k (119.9)			／	
PRO DIM	HEIGHT : H mm(inch)			250 (9-27/32)			1416 (55-3/4)			／	
	WIDTH : W mm(inch)			780 (+100) (30-23/32) (+3-15/16)			940 (37-1/32)			／	
	DEPTH : D mm(inch)			650 (25-19/32)			340 (13-13/32)			／	
PAC DIM	HEIGHT : H mm			345			1556			／	
	WIDTH : W mm			1007			1055			／	
	DEPTH : D mm			777			485			／	
MASS	(NET) kg(lb)			29 (64)			98 (216)			／	
	(GROSS) kg(lb)			34 (75)			108 (238)			／	
LAYERS LIMIT (actually)				8 (9)			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				
PIPING	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 (m^3/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

5. Ducted Type S-36PN1E5A×4 / U-125PE1E5A

INDOOR			MODEL	S-36PN1E5A×4							
OUTDOOR			MODEL				U-125PE1E5A				
Branch pipe			MODEL	CZ-P155BK1×3							
PERFORMANCE TEST CONDITION				ISO13253 / EN14511 / EN12102							
POWER SUPPLY			ø, Hz	1ø 50Hz			1ø 50Hz				
			V	220	230	240	220	230	240	Min	Max
COOLING	CAPACITY		kW	12.5	12.5	12.5				3.3	14.0
			BTU/h	42700	42700	42700				11300	47800
	CURRENT		A	0.42×4	0.43×4	0.44×4	17.4	16.9	16.4	-	-
	INPUT POWER		W	90×4	94×4	98×4	3.665k	3.669k	3.673k	-	-
			TOTAL W	-			4.025k	4.045k	4.065k	1000	4.800k
	ANNUAL CONSUMPTION		TOTAL kWh ※4	-			-	2025	-	-	-
	EER/EER CLASS		TOTAL(W/W)※5/("A"~"G")	-	-	-	3.11	3.09 / B	3.08	3.30	2.92
	Erp ※6	Pdsign	kW	-	-	-	-	-	-		
		SEER	(W/W)	-	-	-	-	-	-		
		Annual consumption	kWh	-	-	-	-	-	-		
		Class		-	-	-	-	-	-		
	POWER FACTOR		%	-	-	-	96	94	93	-	-
	NOISE INDOOR (H/M/L)		dB-A	40/38/35							
			Power Level dB	57/55/52							
	NOISE OUTDOOR (H/L)		dB-A				53/-				
			Power Level dB				70/-				
HEATING	CAPACITY		kW	14.0	14.0	14.0				4.1	16.0
			BTU/h	47800	47800	47800				14000	54600
	CURRENT		A	0.42×4	0.43×4	0.44×4	17.3	16.8	16.3	-	-
	INPUT POWER		W	90×4	94×4	98×4	3.655k	3.659k	3.663k	-	-
			TOTAL W	-			4.015k	4.035k	4.055k	1050	5.400k
	COP/COP CLASS		TOTAL(W/W)※5/("A"~"G")	-	-	-	3.49	3.47 / B	3.45	3.90	2.96
	Erp ※6	Pdsign	kW	-	-	-	-	-	-		
		Tbivalen	°C	-	-	-	-	-	-		
		SCOP	(W/W)	-	-	-	-	-	-		
		Annual consumption	kWh	-	-	-	-	-	-		
		Class		-	-	-	-	-	-		
	POWER FACTOR		%	-	-	-	96	95	93	-	-
	NOISE INDOOR (H/M/L)		dB-A	40/38/35			-			/	/
			Power Level dB	57/55/52			-				
	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)				0.60×4/130×4	0.62×4/140×4	0.63×4/150×4	28.0/6.000k	28.0/6.200k	28.0/6.400k	/	
STARTING CURRENT(A)/COMP OUTPUT(W)				-	-	-	17.4/3.0k	16.9/3.0k	16.4/3.0k	/	
NETWORK IMPEDANCE (ΩMAX.)				-			-				
FM OUTPUT (W)				60×4			90×2			/	
MOISTURE REMOVAL VOLUME			L/h(Pt/h)	7.9	(1.98×4)	(16.6)	-				
External static pressure			Pa	50 (MIN10 - MAX80)							
I/D AIR FLOW	COOL		m^3/min (ft^3/min)	[14/12/10 (494/424/353)]×4							
	HEAT		m^3/min (ft^3/min)	[14/12/10 (494/424/353)]×4							
O/D AIR FLOW	COOL		m^3/min (ft^3/min)				130		(4591)		
	HEAT		m^3/min (ft^3/min)				110		(3885)		
REFRIGERANT TYPE, AMOUNT g(oz)							R410A	3.40k	(119.9)	/	
PRO DIM	HEIGHT : H mm(inch)			250 (9-27/32)			1416 (55-3/4)			/	
	WIDTH : W mm(inch)			780 (+100) (30-23/32) (+3-15/16)			940 (37-1/32)			/	
	DEPTH : D mm(inch)			650 (25-19/32)			340 (13-13/32)			/	
PAC DIM	HEIGHT : H mm			345			1556			/	
	WIDTH : W mm			1007			1055			/	
	DEPTH : D mm			777			485			/	
MASS	(NET) kg(lb)			29 (64)			98 (216)			/	
	(GROSS) kg(lb)			34 (75)			108 (238)			/	
LAYERS LIMIT (actually)				8 (9)			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				
PIPING	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 (m^3/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

5. Ducted Type S-45PN1E5A×3 / U-125PE1E5A

INDOOR			MODEL	S-45PN1E5A×3							
OUTDOOR			MODEL				U-125PE1E5A				
Branch pipe			MODEL	CZ-P3HPC2							
PERFORMANCE TEST CONDITION				ISO13253 / EN14511 / EN12102							
POWER SUPPLY			ø, Hz	1ø 50Hz			1ø 50Hz				
			V	220	230	240	220	230	240	Min	Max
COOLING	CAPACITY		kW	12.5	12.5	12.5				3.3	14.0
			BTU/h	42700	42700	42700				11300	47800
	CURRENT		A	0.54×3	0.55×3	0.56×3	17.4	16.9	16.4	-	-
	INPUT POWER		W	115×3	120×3	125×3	3.665k	3.665k	3.665k	-	-
			TOTAL W	-			4.010k	4.025k	4.040k	1000	4.800k
	ANNUAL CONSUMPTION		TOTAL kWh ※4	-			-	2015	-	-	-
	EER/EER CLASS		TOTAL(W/W)※5/("A"~"G")	-	-	-	3.12	3.11 / B	3.09	3.30	2.92
	Erp ※6	Pdsign	kW	-	-	-	-	-	-		
		SEER	(W/W)	-	-	-	-	-	-		
		Annual consumption	kWh	-	-	-	-	-	-		
		Class		-	-	-	-	-	-		
	POWER FACTOR		%	-	-	-	96	94	93	-	-
	NOISE INDOOR (H/M/L)		dB-A	41/39/35							
			Power Level dB	58/56/52							
	NOISE OUTDOOR (H/L)		dB-A				53/-				
			Power Level dB				70/-				
HEATING	CAPACITY		kW	14.0	14.0	14.0				4.1	16.0
			BTU/h	47800	47800	47800				14000	54600
	CURRENT		A	0.54×3	0.55×3	0.56×3	17.3	16.8	16.3	-	-
	INPUT POWER		W	115×3	120×3	125×3	3.655k	3.655k	3.655k	-	-
			TOTAL W	-			4.000k	4.015k	4.030k	1050	5.400k
	COP/COP CLASS		TOTAL(W/W)※5/("A"~"G")	-	-	-	3.50	3.49 / B	3.47	3.90	2.96
	Erp ※6	Pdsign	kW	-	-	-	-	-	-		
		Tbivalen	°C	-	-	-	-	-	-		
		SCOP	(W/W)	-	-	-	-	-	-		
		Annual consumption	kWh	-	-	-	-	-	-		
		Class		-	-	-	-	-	-		
	POWER FACTOR		%	-	-	-	96	95	93	-	-
	NOISE INDOOR (H/M/L)		dB-A	41/39/35			-			/	/
			Power Level dB	58/56/52			-				
	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)				0.74×3/165×3	0.76×3/180×3	0.78×3/190×3	28.0/6.000k	28.0/6.200k	28.0/6.400k	/	
STARTING CURRENT(A)/COMP OUTPUT(W)				-	-	-	17.4/3.0k	16.9/3.0k	16.4/3.0k	/	
NETWORK IMPEDANCE (ΩMAX.)				-			-				
FM OUTPUT (W)				85×3			90×2			/	
MOISTURE REMOVAL VOLUME			L/h(Pt/h)	7.9	(2.63×3)	(16.6)	-				
External static pressure			Pa	50 (MIN10 - MAX80)							
I/D AIR FLOW	COOL		m^3/min (ft^3/min)	[16/13/11 (565/459/388)]×3							
	HEAT		m^3/min (ft^3/min)	[16/13/11 (565/459/388)]×3							
O/D AIR FLOW	COOL		m^3/min (ft^3/min)				130	(4591)			
	HEAT		m^3/min (ft^3/min)				110	(3885)			
REFRIGERANT TYPE, AMOUNT g(oz)							R410A	3.40k	(119.9)	/	
PAC DIM	HEIGHT : H mm(inch)			250 (9-27/32)			1416 (55-3/4)			/	
	WIDTH : W mm(inch)			780 (+100) (30-23/32) (+3-15/16)			940 (37-1/32)			/	
	DEPTH : D mm(inch)			650 (25-19/32)			340 (13-13/32)			/	
PAC DIM	HEIGHT : H mm			345			1556			/	
	WIDTH : W mm			1007			1055			/	
	DEPTH : D mm			777			485			/	
MASS	(NET) kg(lb)			29 (64)			98 (216)			/	
	(GROSS) kg(lb)			34 (75)			108 (238)			/	
LAYERS LIMIT (actually)				8 (9)			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				
PIPING	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 (m^3/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

5. Ducted Type S-50PN1E5A / U-50PE1E5

INDOOR			MODEL	S-50PN1E5A							
PANEL			MODEL	-			-				
OUTDOOR			MODEL				U-50PE1E5				
Branch pipe			MODEL	-							
PERFORMANCE TEST CONDITION				ISO13253 / EN14511 / EN14825 / EN12102							
POWER SUPPLY			ø, Hz	1ø 50Hz			1ø 50Hz				
			V	220	230	240	220	230	240	Min	Max
COOLING	CAPACITY		kW	5.0	5.0	5.0				1.5	5.6
			BTU/h	17100	17100	17100				5100	19100
	CURRENT		A	0.54	0.55	0.56	7.10	6.80	6.60	-	-
	INPUT POWER		W	115	120	125	1.440k	1.440k	1.440k	-	-
			TOTAL W	-			1.555k	1.560k	1.565k	260	2.310k
	ANNUAL CONSUMPTION		TOTAL kWh ※4	-			-	780	-	-	-
	EER/EER CLASS		TOTAL(W/W)※5/("A"~"G")	-	-	-	3.22	3.21 / A	3.19	5.77	2.42
	Erp ※6	Pdsign	kW	-	-	-	-	5.0	-		
		SEER	(W/W)	-	-	-	-	4.7	-		
		Annual consumption	kWh	-	-	-	-	375	-		
		Class		-	-	-	-	B	-		
	POWER FACTOR		%	-	-	-	92	92	91	-	-
	NOISE INDOOR (H/M/L)		dB-A	41/39/35							
			Power Level dB	58/56/52							
	NOISE OUTDOOR (H/L)		dB-A				46/-				
			Power Level dB				65/-				
HEATING	CAPACITY		kW	5.6	5.6	5.6				1.5	6.3
			BTU/h	19100	19100	19100				5100	21500
	CURRENT		A	0.54	0.55	0.56	8.00	7.70	7.40	-	-
	INPUT POWER		W	115	120	125	1.620k	1.620k	1.620k	-	-
			TOTAL W	-			1.735k	1.740k	1.745k	220	2.520k
	COP/COP CLASS		TOTAL(W/W)※5/("A"~"G")	-	-	-	3.23	3.22 / C	3.21	6.82	2.50
	Erp ※6	Pdsign	kW	-	-	-	-	3.8	-		
		Tbivalen	°C	-	-	-	-	-10	-		
		SCOP	(W/W)	-	-	-	-	3.8	-		
		Annual consumption	kWh	-	-	-	-	1400	-		
		Class		-	-	-	-	A	-		
	POWER FACTOR		%	-	-	-	92	91	91	-	-
	NOISE INDOOR (H/M/L)		dB-A	41/39/35			-			/	/
			Power Level dB	58/56/52			-				
	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)				0.74/165	0.76/180	0.78/190	12.0/2.430k	12.0/2.520k	12.0/2.630k	/	
STARTING CURRENT(A)/COMP OUTPUT(W)				-	-	-	8.0/1.7k	7.7/1.7k	7.4/1.7k	/	
NETWORK IMPEDANCE (ΩMAX.)				-			-				
FM OUTPUT (W)				85			90			/	
MOISTURE REMOVAL VOLUME			L/h(Pt/h)	2.8 (5.9)			-				
External static pressure			Pa	50 (MIN10 - MAX80)							
I/D AIR FLOW	COOL		m^3/min (ft^3/min)	16/13/11 (565/459/388)							
	HEAT		m^3/min (ft^3/min)	16/13/11 (565/459/388)							
O/D AIR FLOW	COOL		m^3/min (ft^3/min)				30 (1067)				
	HEAT		m^3/min (ft^3/min)				35 (1225)				
REFRIGERANT TYPE, AMOUNT g(oz)							R410A 1.65k (58.2)			/	
PROM	D	HEIGHT : H mm(inch)		250 (9-27/32)			569 (22-13/32)			/	
	I	WIDTH : W mm(inch)		780 (+100) (30-23/32) (+3-15/16)			790 (31-7/64)			/	
	M	DEPTH : D mm(inch)		650 (25-19/32)			285 (11-7/32)			/	
PAC	D	HEIGHT : H mm		345			645			/	
	I	WIDTH : W mm		1007			921			/	
	M	DEPTH : D mm		777			386			/	
MASS		(NET) kg(lb)		29 (64)			42 (93)			/	
		(GROSS) kg(lb)		34 (75)			46 (101)			/	
LAYERS LIMIT (actually)				8 (9)			4 (5)				
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				
PIPING	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 (m^3/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

5. Ducted Type S-50PN1E5A×2 / U-100PE1E5A

INDOOR			MODEL	S-50PN1E5A×2							
OUTDOOR			MODEL				U-100PE1E5A				
Branch pipe			MODEL	CZ-P155BK1							
PERFORMANCE TEST CONDITION				ISO13253 / EN14511 / EN14825 / EN12102							
POWER SUPPLY			ø, Hz	1ø 50Hz			1ø 50Hz				
			V	220	230	240	220	230	240	Min	Max
COOLING	CAPACITY		kW	10.0	10.0	10.0				3.3	12.5
			BTU/h	34100	34100	34100				11300	42700
	CURRENT		A	0.54×2	0.55×2	0.56×2	11.6	11.2	10.9	-	-
	INPUT POWER		W	115×2	120×2	125×2	2.465k	2.465k	2.465k	-	-
			TOTAL W	-			2.695k	2.705k	2.715k	870	3.800k
	ANNUAL CONSUMPTION		TOTAL kWh ※4	-			-	1355	-	-	-
	EER/EER CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	3.71	3.70 / A	3.68	3.79	3.29
	Erp ※6	Pdsign	kW	-	-	-	-	10.0	-		
		SEER	(W/W)	-	-	-	-	5.5	-		
		Annual consumption	kWh	-	-	-	-	636	-		
		Class		-	-	-	-	A	-		
	POWER FACTOR		%	-	-	-	97	96	94	-	-
	NOISE INDOOR (H/M/L)		dB-A	41/39/35							
			Power Level dB	58/56/52							
	NOISE OUTDOOR (H/L)		dB-A				52/-				
			Power Level dB				69/-				
HEATING	CAPACITY		kW	11.2	11.2	11.2				4.1	14.0
			BTU/h	38200	38200	38200				14000	47800
	CURRENT		A	0.54×2	0.55×2	0.56×2	12.8	12.5	12.2	-	-
	INPUT POWER		W	115×2	120×2	125×2	2.745k	2.745k	2.745k	-	-
			TOTAL W	-			2.975k	2.985k	2.995k	980	4.500k
	COP/COP CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	3.76	3.75 / A	3.74	4.18	3.11
	Erp ※6	Pdsign	kW	-	-	-	-	10.0	-		
		Tbivalen	°C	-	-	-	-	-10	-		
		SCOP	(W/W)	-	-	-	-	3.8	-		
		Annual consumption	kWh	-	-	-	-	3670	-		
		Class		-	-	-	-	A	-		
	POWER FACTOR		%	-	-	-	97	95	94	-	-
	NOISE INDOOR (H/M/L)		dB-A	41/39/35			-			/	/
			Power Level dB	58/56/52			-				
	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)				0.74×2/165×2	0.76×2/180×2	0.78×2/190×2	25.0/5.350k	25.0/5.550k	25.0/5.750k	/	
STARTING CURRENT(A)/COMP OUTPUT(W)				-	-	-	12.8/3.0k	12.5/3.0k	12.2/3.0k	/	
NETWORK IMPEDANCE (ΩMAX.)				-			-				
FM OUTPUT (W)				85×2			90×2			/	
MOISTURE REMOVAL VOLUME			L/h(Pt/h)	6.0	(3.0×2)	(12.6)	-				
External static pressure			Pa	50 (MIN10 - MAX80)							
I/D AIR FLOW	COOL		m^3/min (ft^3/min)	[16/13/11 (565/459/388)]×2							
	HEAT		m^3/min (ft^3/min)	[16/13/11 (565/459/388)]×2							
O/D AIR FLOW	COOL		m^3/min (ft^3/min)				110		(3885)		
	HEAT		m^3/min (ft^3/min)				95		(3355)		
REFRIGERANT TYPE, AMOUNT g(oz)							R410A	3.40k	(119.9)	/	
PROD IM	HEIGHT : H mm(inch)			250 (9-27/32)			1416 (55-3/4)			/	
	WIDTH : W mm(inch)			780 (+100) (30-23/32) (+3-15/16)			940 (37-1/32)			/	
	DEPTH : D mm(inch)			650 (25-19/32)			340 (13-13/32)			/	
PACK IM	HEIGHT : H mm			345			1556			/	
	WIDTH : W mm			1007			1055			/	
	DEPTH : D mm			777			485			/	
MASS	(NET) kg(lb)			29 (64)			98 (216)			/	
	(GROSS) kg(lb)			34 (75)			108 (238)			/	
LAYERS LIMIT (actually)				8 (9)			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				
PIPING	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 (m^3/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

5. Ducted Type S-50PN1E5A×3 / U-140PE1E5A

INDOOR			MODEL	S-50PN1E5A×3							
OUTDOOR			MODEL				U-140PE1E5A				
Branch pipe			MODEL	CZ-P3HPC2							
PERFORMANCE TEST CONDITION				ISO13253 / EN14511 / EN12102							
POWER SUPPLY			ø, Hz	1ø 50Hz			1ø 50Hz				
			V	220	230	240	220	230	240	Min	Max
COOLING	CAPACITY		kW	14.0	14.0	14.0				3.3	15.5
			BTU/h	47800	47800	47800				11300	52900
	CURRENT		A	0.54×3	0.55×3	0.56×3	20.5	20.1	19.5	-	-
	INPUT POWER		W	115×3	120×3	125×3	4.400k	4.400k	4.400k	-	-
			TOTAL W	-			4.745k	4.760k	4.775k	1000	6.200k
	ANNUAL CONSUMPTION		TOTAL kWh ※4	-			-	2380	-	-	-
	EER/EER CLASS		TOTAL(W/W)※5/("A"~"G")	-	-	-	2.95	2.94 / C	2.93	3.30	2.50
	Erp ※6	Pdsign	kW	-	-	-	-	-	-		
		SEER	(W/W)	-	-	-	-	-	-		
		Annual consumption	kWh	-	-	-	-	-	-		
		Class		-	-	-	-	-	-		
	POWER FACTOR		%	-	-	-	98	95	94	-	-
	NOISE INDOOR (H/M/L)		dB-A	41/39/35							
			Power Level dB	58/56/52							
	NOISE OUTDOOR (H/L)		dB-A				54/-				
			Power Level dB				71/-				
HEATING	CAPACITY		kW	16.0	16.0	16.0				4.1	18.0
			BTU/h	54600	54600	54600				14000	61400
	CURRENT		A	0.54×3	0.55×3	0.56×3	20.6	20.2	19.6	-	-
	INPUT POWER		W	115×3	120×3	125×3	4.440k	4.440k	4.440k	-	-
			TOTAL W	-			4.785k	4.800k	4.815k	1050	6.100k
	COP/COP CLASS		TOTAL(W/W)※5/("A"~"G")	-	-	-	3.34	3.33 / C	3.32	3.90	2.95
	Erp ※6	Pdsign	kW	-	-	-	-	-	-		
		Tbivalen	°C	-	-	-	-	-	-		
		SCOP	(W/W)	-	-	-	-	-	-		
		Annual consumption	kWh	-	-	-	-	-	-		
		Class		-	-	-	-	-	-		
	POWER FACTOR		%	-	-	-	98	96	94	-	-
	NOISE INDOOR (H/M/L)		dB-A	41/39/35			-			／	／
			Power Level dB	58/56/52			-				
	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)				0.74×3/165×3	0.76×3/180×3	0.78×3/190×3	30.0/6.450k	30.0/6.650k	30.0/6.850k	／	
STARTING CURRENT(A)/COMP OUTPUT(W)				-	-	-	20.6/3.0k	20.2/3.0k	19.6/3.0k	／	
NETWORK IMPEDANCE (ΩMAX.)				-			-				
FM OUTPUT (W)				85×3			90×2			／	
MOISTURE REMOVAL VOLUME			L/h(Pt/h)	9.0 (3.0×3) (18.9)			-				
External static pressure			Pa	50 (MIN10 - MAX80)							
I/D AIR FLOW	COOL		m^3/min (ft^3/min)	[16/13/11 (565/459/388)]×3							
	HEAT		m^3/min (ft^3/min)	[16/13/11 (565/459/388)]×3							
O/D AIR FLOW	COOL		m^3/min (ft^3/min)				135 (4767)				
	HEAT		m^3/min (ft^3/min)				120 (4238)				
REFRIGERANT TYPE, AMOUNT g(oz)							R410A 3.40k (119.9)			/	
PROD IM	HEIGHT : H mm(inch)			250 (9-27/32)			1416 (55-3/4)			/	
	WIDTH : W mm(inch)			780 (+100) (30-23/32) (+3-15/16)			940 (37-1/32)			/	
	DEPTH : D mm(inch)			650 (25-19/32)			340 (13-13/32)			/	
PACK IM	HEIGHT : H mm			345			1556			/	
	WIDTH : W mm			1007			1055			/	
	DEPTH : D mm			777			485			/	
MASS	(NET) kg(lb)			29 (64)			98 (216)			/	
	(GROSS) kg(lb)			34 (75)			108 (238)			/	
LAYERS LIMIT (actually)				8 (9)			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				
PIPING	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 (m^3/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

5. Ducted Type S-60PN1E5A / U-60PE1E5A

INDOOR			MODEL	S-60PN1E5A							
OUTDOOR			MODEL				U-60PE1E5A				
Branch pipe			MODEL	-							
PERFORMANCE TEST CONDITION				ISO13253 / EN14511 / EN14825 / EN12102							
POWER SUPPLY			ø, Hz	1ø 50Hz			1ø 50Hz				
			V	220	230	240	220	230	240	Min	Max
COOLING	CAPACITY		kW	6.0	6.0	6.0				2.5	7.1
			BTU/h	20500	20500	20500				8500	24200
	CURRENT		A	1.12	1.08	1.04	8.20	8.00	7.80	-	-
	INPUT POWER		W	140	140	140	1.710k	1.710k	1.710k	-	-
			TOTAL W	-			1.850k	1.850k	1.850k	550	2.105k
	ANNUAL CONSUMPTION		TOTAL kWh ※4	-			-	925	-	-	-
	EER/EER CLASS		TOTAL(W/W)※5/("A"~"G")	-	-	-	3.24	3.24 / A	3.24	4.55	3.37
	Erp ※6	Pdsign	kW	-	-	-	-	6.0	-		
		SEER	(W/W)	-	-	-	-	5.5	-		
		Annual consumption	kWh	-	-	-	-	381	-		
		Class		-	-	-	-	A	-		
	POWER FACTOR		%	-	-	-	95	93	91	-	-
	NOISE INDOOR (H/M/L)		dB-A	43/41/36							
			Power Level dB	60/58/53							
	NOISE OUTDOOR (H/L)		dB-A				48/-				
			Power Level dB				65/-				
HEATING	CAPACITY		kW	7.0	7.0	7.0				2.0	8.0
			BTU/h	23900	23900	23900				6800	27300
	CURRENT		A	1.12	1.08	1.04	8.60	8.40	8.20	-	-
	INPUT POWER		W	140	140	140	1.800k	1.800k	1.800k	-	-
			TOTAL W	-			1.940k	1.940k	1.940k	500	2.585k
	COP/COP CLASS		TOTAL(W/W)※5/("A"~"G")	-	-	-	3.61	3.61 / A	3.61	4.00	3.09
	Erp ※6	Pdsign	kW	-	-	-	-	5.6	-		
		Tbivalen	°C	-	-	-	-	-10	-		
		SCOP	(W/W)	-	-	-	-	3.8	-		
		Annual consumption	kWh	-	-	-	-	2061	-		
		Class		-	-	-	-	A	-		
	POWER FACTOR		%	-	-	-	95	93	91	-	-
	NOISE INDOOR (H/M/L)		dB-A	43/41/36			-			/	/
			Power Level dB	60/58/53			-				
	NOISE OUTDOOR (H/L)		dB-A	-			50/-			/	/
			Power Level dB	-			67/-				
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP			-							
MAX CURRENT(A)/MAX INPUT POWER(W)				1.28/160	1.24/160	1.20/160	18.0/3.800k	18.0/3.930k	18.0/4.060k	/	
STARTING CURRENT(A)/COMP OUTPUT(W)				-	-	-	8.6/1.7k	8.4/1.7k	8.2/1.7k	/	
NETWORK IMPEDANCE (ΩMAX.)				-			-				
FM OUTPUT (W)				120			90			/	
MOISTURE REMOVAL VOLUME			L/h(Pt/h)	3.4		(7.1)	-				
External static pressure			Pa	50 (MIN10 - MAX80)							
I/D AIR FLOW	COOL		m^3/min (ft^3/min)	22/20/16 (777/706/565)							
	HEAT		m^3/min (ft^3/min)	22/20/16 (777/706/565)							
O/D AIR FLOW	COOL		m^3/min (ft^3/min)				60		(2119)		
	HEAT		m^3/min (ft^3/min)				60		(2119)		
REFRIGERANT TYPE, AMOUNT g(oz)							R410A	2.00k	(70.5)	/	
PROD IM	HEIGHT : H mm(inch)			250 (9-27/32)			996 (39-7/32)			/	
	WIDTH : W mm(inch)			1000 (+100) (39-5/16) (+3-15/16)			940 (37-1/32)			/	
	DEPTH : D mm(inch)			650 (25-19/32)			340 (13-13/32)			/	
PAC IM	HEIGHT : H mm			338			1136			/	
	WIDTH : W mm			1211			1055			/	
	DEPTH : D mm			761			485			/	
MASS	(NET) kg(lb)			32 (71)			68 (150)			/	
	(GROSS) kg(lb)			38 (84)			76 (168)			/	
LAYERS LIMIT (actually)				6 (7)			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				
PIPING	PIPE DIAMETER mm (inch)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)				
	CONNECT METHOD, STD LENGTH m (ft)			flared type, 5.0(16.4)			flared type, 5.0(16.4)				
	PIPE LENGTH RANGE m (ft)			5 ~ 50			(16.4 ~ 164.0)			~	~
	I/D&O/D HEIGHT DIFFERENCE m (ft)			15 (OD located lower) / 30 (OD located higher)			(49.2/98.4)				
	ADD GAS AMOUNT g/m (oz/ft)			50	(0.538)						
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)			30	(98.4)						

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/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

5. Ducted Type S-60PN1E5A×2 / U-125PE1E5A

INDOOR			MODEL	S-60PN1E5A×2							
OUTDOOR			MODEL				U-125PE1E5A				
Branch pipe			MODEL	CZ-P155BK1							
PERFORMANCE TEST CONDITION				ISO13253 / EN14511 / EN12102							
POWER SUPPLY			ø, Hz	1ø 50Hz			1ø 50Hz				
			V	220	230	240	220	230	240	Min	Max
COOLING	CAPACITY		kW	12.5	12.5	12.5				3.3	14.0
			BTU/h	42700	42700	42700				11300	47800
	CURRENT		A	1.12×2	1.08×2	1.04×2	17.4	16.9	16.4	-	-
	INPUT POWER		W	140×2	140×2	140×2	3.665k	3.665k	3.665k	-	-
			TOTAL W	-			3.945k	3.945k	3.945k	1000	4.800k
	ANNUAL CONSUMPTION		TOTAL kWh ※4	-			-	1975	-	-	-
	EER/EER CLASS		TOTAL(W/W)※5/("A"~"G")	-	-	-	3.17	3.17 / B	3.17	3.30	2.92
	Erp ※6	Pdsign	kW	-	-	-	-	-	-		
		SEER	(W/W)	-	-	-	-	-	-		
		Annual consumption	kWh	-	-	-	-	-	-		
		Class		-	-	-	-	-	-		
	POWER FACTOR		%	-	-	-	96	94	93	-	-
	NOISE INDOOR (H/M/L)		dB-A	43/41/36							
			Power Level dB	60/58/53							
	NOISE OUTDOOR (H/L)		dB-A				53/-				
			Power Level dB				70/-				
HEATING	CAPACITY		kW	14.0	14.0	14.0				4.1	16.0
			BTU/h	47800	47800	47800				14000	54600
	CURRENT		A	1.12×2	1.08×2	1.04×2	17.3	16.8	16.3	-	-
	INPUT POWER		W	140×2	140×2	140×2	3.655k	3.655k	3.655k	-	-
			TOTAL W	-			3.935k	3.935k	3.935k	1050	5.400k
	COP/COP CLASS		TOTAL(W/W)※5/("A"~"G")	-	-	-	3.56	3.56 / B	3.56	3.90	2.96
	Erp ※6	Pdsign	kW	-	-	-	-	-	-		
		Tbivalen	°C	-	-	-	-	-	-		
		SCOP	(W/W)	-	-	-	-	-	-		
		Annual consumption	kWh	-	-	-	-	-	-		
		Class		-	-	-	-	-	-		
	POWER FACTOR		%	-	-	-	96	95	93	-	-
	NOISE INDOOR (H/M/L)		dB-A	43/41/36			-			／	／
			Power Level dB	60/58/53			-				
	NOISE OUTDOOR (H/L)		dB-A	-			53/-			／	／
			Power Level dB	-			70/-				
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP			-							
MAX CURRENT(A)/MAX INPUT POWER(W)				1.28×2/160×2	1.24×2/160×2	1.20×2/160×2	28.0/6.000k	28.0/6.200k	28.0/6.400k	／	
STARTING CURRENT(A)/COMP OUTPUT(W)				-	-	-	17.4/3.0k	16.9/3.0k	16.4/3.0k	／	
NETWORK IMPEDANCE (ΩMAX.)				-			-				
FM OUTPUT (W)				120×2			90×2			／	
MOISTURE REMOVAL VOLUME			L/h(Pt/h)	7.9 (3.95×2) (16.6)			-				
External static pressure			Pa	50 (MIN10 - MAX80)							
I/D AIR FLOW	COOL		m^3/min (ft^3/min)	[22/20/16 (777/706/565)]×2							
	HEAT		m^3/min (ft^3/min)	[22/20/16 (777/706/565)]×2							
O/D AIR FLOW	COOL		m^3/min (ft^3/min)				130 (4591)				
	HEAT		m^3/min (ft^3/min)				110 (3885)				
REFRIGERANT TYPE, AMOUNT g(oz)							R410A 3.40k (119.9)			/	
PROD IM	HEIGHT : H mm(inch)			250 (9-27/32)			1416 (55-3/4)			/	
	WIDTH : W mm(inch)			1000 (+100) (39-5/16) (+3-15/16)			940 (37-1/32)			/	
	DEPTH : D mm(inch)			650 (25-19/32)			340 (13-13/32)			/	
PAC DIM	HEIGHT : H mm			338			1556			/	
	WIDTH : W mm			1211			1055			/	
	DEPTH : D mm			761			485			/	
MASS	(NET) kg(lb)			32 (71)			98 (216)			/	
	(GROSS) kg(lb)			38 (84)			108 (238)			/	
LAYERS LIMIT (actually)				6 (7)			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				
PIPING	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 (m^3/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

5. Ducted Type S-71PN1E5A / U-71PE1E5A

INDOOR			MODEL	S-71PN1E5A							
OUTDOOR			MODEL				U-71PE1E5A				
Branch pipe			MODEL	-							
PERFORMANCE TEST CONDITION				ISO13253 / EN14511 / EN14825 / EN12102							
POWER SUPPLY			ø, Hz	1ø 50Hz			1ø 50Hz				
			V	220	230	240	220	230	240	Min	Max
COOLING	CAPACITY		kW	7.1	7.1	7.1				2.5	8.0
			BTU/h	24200	24200	24200				8500	27300
	CURRENT		A	1.12	1.08	1.04	9.70	9.40	9.20	-	-
	INPUT POWER		W	140	140	140	2.010k	2.010k	2.010k	-	-
			TOTAL W	-			2.150k	2.150k	2.150k	550	2.750k
	ANNUAL CONSUMPTION		TOTAL kWh ※4	-			-	1075	-	-	-
	EER/EER CLASS		TOTAL(W/W)※5/("A"~"G")	-	-	-	3.30	3.30 / A	3.30	4.55	2.91
	Erp ※6	Pdsign	kW	-	-	-	-	7.1	-		
		SEER	(W/W)	-	-	-	-	5.5	-		
		Annual consumption	kWh	-	-	-	-	448	-		
		Class		-	-	-	-	A	-		
	POWER FACTOR		%	-	-	-	94	93	91	-	-
	NOISE INDOOR (H/M/L)		dB-A	43/41/36							
			Power Level dB	60/58/53							
	NOISE OUTDOOR (H/L)		dB-A				48/-				
			Power Level dB				65/-				
HEATING	CAPACITY		kW	8.0	8.0	8.0				2.0	9.0
			BTU/h	27300	27300	27300				6800	30700
	CURRENT		A	1.12	1.08	1.04	10.2	9.90	9.70	-	-
	INPUT POWER		W	140	140	140	2.120k	2.120k	2.120k	-	-
			TOTAL W	-			2.260k	2.260k	2.260k	500	2.920k
	COP/COP CLASS		TOTAL(W/W)※5/("A"~"G")	-	-	-	3.54	3.54 / B	3.54	4.00	3.08
	Erp ※6	Pdsign	kW	-	-	-	-	6.2	-		
		Tbivalen	°C	-	-	-	-	-9	-		
		SCOP	(W/W)	-	-	-	-	3.8	-		
		Annual consumption	kWh	-	-	-	-	2284	-		
		Class		-	-	-	-	A	-		
	POWER FACTOR		%	-	-	-	94	93	91	-	-
	NOISE INDOOR (H/M/L)		dB-A	43/41/36			-			/	/
			Power Level dB	60/58/53			-				
	NOISE OUTDOOR (H/L)		dB-A	-			50/-			/	/
			Power Level dB	-			67/-				
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP			-							
MAX CURRENT(A)/MAX INPUT POWER(W)				1.28/160	1.24/160	1.20/160	18.0/3.800k	18.0/3.930k	18.0/4.060k	/	
STARTING CURRENT(A)/COMP OUTPUT(W)				-	-	-	10.2/2.0k	9.9/2.0k	9.7/2.0k	/	
NETWORK IMPEDANCE (ΩMAX.)				-			-				
FM OUTPUT (W)				120			90			/	
MOISTURE REMOVAL VOLUME			L/h(Pt/h)	4.2		(8.8)	-				
External static pressure			Pa	50 (MIN10 - MAX80)							
I/D AIR FLOW	COOL		m^3/min (ft^3/min)	22/20/16 (777/706/565)							
	HEAT		m^3/min (ft^3/min)	22/20/16 (777/706/565)							
O/D AIR FLOW	COOL		m^3/min (ft^3/min)				60		(2119)		
	HEAT		m^3/min (ft^3/min)				60		(2119)		
REFRIGERANT TYPE, AMOUNT g(oz)							R410A	2.35k	(82.9)	/	
PROD IM	HEIGHT : H mm(inch)			250 (9-27/32)			996 (39-7/32)			/	
	WIDTH : W mm(inch)			1000 (+100) (39-5/16) (+3-15/16)			940 (37-1/32)			/	
	DEPTH : D mm(inch)			650 (25-19/32)			340 (13-13/32)			/	
PAC DIM	HEIGHT : H mm			338			1136			/	
	WIDTH : W mm			1211			1055			/	
	DEPTH : D mm			761			485			/	
MASS	(NET) kg(lb)			32 (71)			69 (152)			/	
	(GROSS) kg(lb)			38 (84)			77 (170)			/	
LAYERS LIMIT (actually)				6 (7)			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				
PIPING	PIPE DIAMETER mm (inch)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)				
	CONNECT METHOD, STD LENGTH m (ft)			flared type, 5.0(16.4)			flared type, 5.0(16.4)				
	PIPE LENGTH RANGE m (ft)			5 ~ 50			(16.4 ~ 164.0)			~	~
	I/D&O/D HEIGHT DIFFERENCE m (ft)			15 (OD located lower) / 30 (OD located higher)			(49.2/98.4)				
	ADD GAS AMOUNT g/m (oz/ft)			50			(0.538)				
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)			30			(98.4)				

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/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

5. Ducted Type S-71PN1E5A×2 / U-140PE1E5A

INDOOR			MODEL	S-71PN1E5A×2							
OUTDOOR			MODEL				U-140PE1E5A				
Branch pipe			MODEL	CZ-P155BK1							
PERFORMANCE TEST CONDITION				ISO13253 / EN14511 / EN12102							
POWER SUPPLY			ø, Hz	1ø 50Hz			1ø 50Hz				
			V	220	230	240	220	230	240	Min	Max
COOLING	CAPACITY		kW	14.0	14.0	14.0				3.3	15.5
			BTU/h	47800	47800	47800				11300	52900
	CURRENT		A	1.12×2	1.08×2	1.04×2	20.5	20.1	19.5	-	-
	INPUT POWER		W	140×2	140×2	140×2	4.400k	4.400k	4.400k	-	-
			TOTAL W	-			4.680k	4.680k	4.680k	1000	6.200k
	ANNUAL CONSUMPTION		TOTAL kWh ※4	-			-	2340	-	-	-
	EER/EER CLASS		TOTAL(W/W)※5/("A"~"G")	-	-	-	2.99	2.99 / C	2.99	3.30	2.50
	Erp ※6	Pdsign	kW	-	-	-	-	-	-		
		SEER	(W/W)	-	-	-	-	-	-		
		Annual consumption	kWh	-	-	-	-	-	-		
		Class		-	-	-	-	-	-		
	POWER FACTOR		%	-	-	-	98	95	94	-	-
	NOISE INDOOR (H/M/L)		dB-A	43/41/36							
			Power Level dB	60/58/53							
	NOISE OUTDOOR (H/L)		dB-A				54/-				
			Power Level dB				71/-				
HEATING	CAPACITY		kW	16.0	16.0	16.0				4.1	18.0
			BTU/h	54600	54600	54600				14000	61400
	CURRENT		A	1.12×2	1.08×2	1.04×2	20.6	20.2	19.6	-	-
	INPUT POWER		W	140×2	140×2	140×2	4.440k	4.440k	4.440k	-	-
			TOTAL W	-			4.720k	4.720k	4.720k	1050	6.100k
	COP/COP CLASS		TOTAL(W/W)※5/("A"~"G")	-	-	-	3.39	3.39 / C	3.39	3.90	2.95
	Erp ※6	Pdsign	kW	-	-	-	-	-	-		
		Tbivalen	°C	-	-	-	-	-	-		
		SCOP	(W/W)	-	-	-	-	-	-		
		Annual consumption	kWh	-	-	-	-	-	-		
		Class		-	-	-	-	-	-		
	POWER FACTOR		%	-	-	-	98	96	94	-	-
	NOISE INDOOR (H/M/L)		dB-A	43/41/36			-			／	／
			Power Level dB	60/58/53			-				
	NOISE OUTDOOR (H/L)		dB-A	-			55/-			／	／
			Power Level dB	-			71/-				
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP			-							
MAX CURRENT(A)/MAX INPUT POWER(W)				1.28×2/160×2	1.24×2/160×2	1.20×2/160×2	30.0/6.450k	30.0/6.650k	30.0/6.850k	／	
STARTING CURRENT(A)/COMP OUTPUT(W)				-	-	-	20.6/3.0k	20.2/3.0k	19.6/3.0k	／	
NETWORK IMPEDANCE (ΩMAX.)				-			-				
FM OUTPUT (W)				120×2			90×2			／	
MOISTURE REMOVAL VOLUME			L/h(Pt/h)	9.0 (4.5×2) (18.9)			-				
External static pressure			Pa	50 (MIN10 - MAX80)							
I/D AIR FLOW	COOL		m^3/min (ft^3/min)	[22/20/16 (777/706/565)]×2							
	HEAT		m^3/min (ft^3/min)	[22/20/16 (777/706/565)]×2							
O/D AIR FLOW	COOL		m^3/min (ft^3/min)				135 (4767)				
	HEAT		m^3/min (ft^3/min)				120 (4238)				
REFRIGERANT TYPE, AMOUNT g(oz)							R410A 3.40k (119.9)			/	
PROD IM	HEIGHT : H mm(inch)			250 (9-27/32)			1416 (55-3/4)			/	
	WIDTH : W mm(inch)			1000 (+100) (39-5/16) (+3-15/16)			940 (37-1/32)			/	
	DEPTH : D mm(inch)			650 (25-19/32)			340 (13-13/32)			/	
PAC IM	HEIGHT : H mm			338			1556			/	
	WIDTH : W mm			1211			1055			/	
	DEPTH : D mm			761			485			/	
MASS	(NET) kg(lb)			32 (71)			98 (216)			/	
	(GROSS) kg(lb)			38 (84)			108 (238)			/	
LAYERS LIMIT (actually)				6 (7)			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				
PIPING	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 (m^3/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

5. Ducted Type S-100PN1E5A / U-100PE1E5A

INDOOR			MODEL	S-100PN1E5A							
OUTDOOR			MODEL				U-100PE1E5A				
Branch pipe			MODEL	-							
PERFORMANCE TEST CONDITION				ISO13253 / EN14511 / EN14825 / EN12102							
POWER SUPPLY			ø, Hz	1ø 50Hz			1ø 50Hz				
			V	220	230	240	220	230	240	Min	Max
COOLING	CAPACITY		kW	10.0	10.0	10.0				3.3	12.5
			BTU/h	34100	34100	34100				11300	42700
	CURRENT		A	1.54	1.48	1.42	11.6	11.2	10.9	-	-
	INPUT POWER		W	205	205	205	2.465k	2.465k	2.465k	-	-
			TOTAL W	-			2.670k	2.670k	2.670k	870	3.800k
	ANNUAL CONSUMPTION		TOTAL kWh ※4	-			-	1335	-	-	-
	EER/EER CLASS		TOTAL(W/W)※5/("A"~"G")	-	-	-	3.75	3.75 / A	3.75	3.79	3.29
	Erp ※6	Pdsign	kW	-	-	-	-	10.0	-		
		SEER	(W/W)	-	-	-	-	5.9	-		
		Annual consumption	kWh	-	-	-	-	589	-		
		Class		-	-	-	-	A+	-		
	POWER FACTOR		%	-	-	-	97	96	94	-	-
	NOISE INDOOR (H/M/L)		dB-A	44/42/37			-				
			Power Level dB	65/63/58			-				
	NOISE OUTDOOR (H/L)		dB-A				52/-				
			Power Level dB				69/-				
HEATING	CAPACITY		kW	11.2	11.2	11.2				4.1	14.0
			BTU/h	38200	38200	38200				14000	47800
	CURRENT		A	1.54	1.48	1.42	12.8	12.5	12.2	-	-
	INPUT POWER		W	205	205	205	2.745k	2.745k	2.745k	-	-
			TOTAL W	-			2.950k	2.950k	2.950k	980	4.500k
	COP/COP CLASS		TOTAL(W/W)※5/("A"~"G")	-	-	-	3.80	3.80 / A	3.80	4.18	3.11
	Erp ※6	Pdsign	kW	-	-	-	-	10.0	-		
		Tbivalen	°C	-	-	-	-	-10	-		
		SCOP	(W/W)	-	-	-	-	3.9	-		
		Annual consumption	kWh	-	-	-	-	3590	-		
		Class		-	-	-	-	A	-		
	POWER FACTOR		%	-	-	-	97	95	94	-	-
	NOISE INDOOR (H/M/L)		dB-A	44/42/37			-			/	/
			Power Level dB	65/63/58			-				
	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)				2.13/275	2.07/275	2.01/275	25.0/5.350k	25.0/5.550k	25.0/5.750k	/	
STARTING CURRENT(A)/COMP OUTPUT(W)				-	-	-	12.8/3.0k	12.5/3.0k	12.2/3.0k	/	
NETWORK IMPEDANCE (ΩMAX.)				-			-				
FM OUTPUT (W)				200			90×2			/	
MOISTURE REMOVAL VOLUME			L/h(Pt/h)	6.0		(12.6)	-				
External static pressure			Pa	50 (MIN10 - MAX80)							
I/D AIR FLOW	COOL		m^3/min (ft^3/min)	36/33/26 (1271/1165/918)							
	HEAT		m^3/min (ft^3/min)	36/33/26 (1271/1165/918)							
O/D AIR FLOW	COOL		m^3/min (ft^3/min)				110		(3885)		
	HEAT		m^3/min (ft^3/min)				95		(3355)		
REFRIGERANT TYPE, AMOUNT g(oz)							R410A	3.40k	(119.9)	/	
PROD IM	HEIGHT : H mm(inch)			250 (9-27/32)			1416 (55-3/4)			/	
	WIDTH : W mm(inch)			1200 (+100) (47-1/4) (+3-15/16)			940 (37-1/32)			/	
	DEPTH : D mm(inch)			650 (25-19/32)			340 (13-13/32)			/	
PAC IM	HEIGHT : H mm			338			1556			/	
	WIDTH : W mm			1402			1055			/	
	DEPTH : D mm			761			485			/	
MASS	(NET) kg(lb)			41 (91)			98 (216)			/	
	(GROSS) kg(lb)			48 (106)			108 (238)			/	
LAYERS LIMIT (actually)				6 (7)			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				
PIPING	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 (m^3/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

5. Ducted Type S-125PN1E5A / U-125PE1E5A

INDOOR			MODEL	S-125PN1E5A							
OUTDOOR			MODEL				U-125PE1E5A				
Branch pipe			MODEL	-							
PERFORMANCE TEST CONDITION				ISO13253 / EN14511 / EN12102							
POWER SUPPLY			ø, Hz	1ø 50Hz			1ø 50Hz				
			V	220	230	240	220	230	240	Min	Max
COOLING	CAPACITY		kW	12.5	12.5	12.5				3.3	14.0
			BTU/h	42700	42700	42700				11300	47800
	CURRENT		A	1.74	1.67	1.61	17.4	16.9	16.4	-	-
	INPUT POWER		W	225	225	225	3.665k	3.665k	3.665k	-	-
			TOTAL W	-			3.890k	3.890k	3.890k	1000	4.800k
	ANNUAL CONSUMPTION		TOTAL kWh ※4	-			-	1945	-	-	-
	EER/EER CLASS		TOTAL(W/W)※5/("A"~"G")	-	-	-	3.21	3.21 / A	3.21	3.30	2.92
	Erp ※6	Pdsign	kW	-	-	-	-	-	-		
		SEER	(W/W)	-	-	-	-	-	-		
		Annual consumption	kWh	-	-	-	-	-	-		
		Class		-	-	-	-	-	-		
	POWER FACTOR		%	-	-	-	96	94	93	-	-
	NOISE INDOOR (H/M/L)		dB-A	45/43/38			-				
			Power Level dB	66/64/59			-				
	NOISE OUTDOOR (H/L)		dB-A				53/-				
			Power Level dB				70/-				
HEATING	CAPACITY		kW	14.0	14.0	14.0				4.1	16.0
			BTU/h	47800	47800	47800				14000	54600
	CURRENT		A	1.74	1.67	1.61	17.3	16.8	16.3	-	-
	INPUT POWER		W	225	225	225	3.655k	3.665k	3.655k	-	-
			TOTAL W	-			3.880k	3.880k	3.880k	1050	5.400k
	COP/COP CLASS		TOTAL(W/W)※5/("A"~"G")	-	-	-	3.61	3.61 / A	3.61	3.90	2.96
	Erp ※6	Pdsign	kW	-	-	-	-	-	-		
		Tbivalen	°C	-	-	-	-	-	-		
		SCOP	(W/W)	-	-	-	-	-	-		
		Annual consumption	kWh	-	-	-	-	-	-		
		Class		-	-	-	-	-	-		
	POWER FACTOR		%	-	-	-	96	95	93	-	-
	NOISE INDOOR (H/M/L)		dB-A	45/43/38			-			/	/
			Power Level dB	66/64/59			-				
	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)				2.36/300	2.30/300	2.24/300	28.0/6.000k	28.0/6.200k	28.0/6.400k	/	
STARTING CURRENT(A)/COMP OUTPUT(W)				-	-	-	17.4/3.0k	16.9/3.0k	16.4/3.0k	/	
NETWORK IMPEDANCE (ΩMAX.)				-			-				
FM OUTPUT (W)				200			90×2			/	
MOISTURE REMOVAL VOLUME			L/h(Pt/h)	7.9		(16.6)	-				
External static pressure			Pa	50 (MIN10 - MAX80)							
I/D AIR FLOW	COOL		m^3/min (ft^3/min)	38/35/28 (1342/1236/989)							
	HEAT		m^3/min (ft^3/min)	38/35/28 (1342/1236/989)							
O/D AIR FLOW	COOL		m^3/min (ft^3/min)				130		(4591)		
	HEAT		m^3/min (ft^3/min)				110		(3885)		
REFRIGERANT TYPE, AMOUNT g(oz)							R410A	3.40k	(119.9)	/	
PROD IM	HEIGHT : H mm(inch)			250 (9-27/32)			1416 (55-3/4)			/	
	WIDTH : W mm(inch)			1200 (+100) (47-1/4) (+3-15/16)			940 (37-1/32)			/	
	DEPTH : D mm(inch)			650 (25-19/32)			340 (13-13/32)			/	
PAC IM	HEIGHT : H mm			338			1556			/	
	WIDTH : W mm			1402			1055			/	
	DEPTH : D mm			761			485			/	
MASS	(NET) kg(lb)			41 (91)			98 (216)			/	
	(GROSS) kg(lb)			48 (106)			108 (238)			/	
LAYERS LIMIT (actually)				6 (7)			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				
PIPING	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 (m^3/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

5. Ducted Type S-140PN1E5A / U-140PE1E5A

INDOOR			MODEL	S-140PN1E5A							
OUTDOOR			MODEL				U-140PE1E5A				
Branch pipe			MODEL	-							
PERFORMANCE TEST CONDITION				ISO13253 / EN14511 / EN12102							
POWER SUPPLY			ø, Hz	1ø 50Hz			1ø 50Hz				
			V	220	230	240	220	230	240	Min	Max
COOLING	CAPACITY		kW	14.0	14.0	14.0				3.3	15.5
			BTU/h	47800	47800	47800				11300	52900
	CURRENT		A	1.89	1.82	1.74	20.5	20.1	19.5	-	-
	INPUT POWER		W	250	250	250	4.400k	4.400k	4.400k	-	-
			TOTAL W	-			4.650k	4.650k	4.650k	1000	6.200k
	ANNUAL CONSUMPTION		TOTAL kWh ※4	-			-	2325	-	-	-
	EER/EER CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	3.01	3.01 / B	3.01	3.30	2.50
	Erp ※6	Pdsign	kW	-	-	-	-	-	-		
		SEER	(W/W)	-	-	-	-	-	-		
		Annual consumption	kWh	-	-	-	-	-	-		
		Class		-	-	-	-	-	-		
	POWER FACTOR		%	-	-	-	98	95	94	-	-
	NOISE INDOOR (H/M/L)		dB-A	46/44/39			-				
			Power Level dB	67/65/60			-				
	NOISE OUTDOOR (H/L)		dB-A				54/-				
			Power Level dB				71/-				
HEATING	CAPACITY		kW	16.0	16.0	16.0				4.1	18.0
			BTU/h	54600	54600	54600				14000	61400
	CURRENT		A	1.89	1.82	1.74	20.6	20.2	19.6	-	-
	INPUT POWER		W	250	250	250	4.440k	4.440k	4.440k	-	-
			TOTAL W	-			4.690k	4.690k	4.690k	1050	6.100k
	COP/COP CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	3.41	3.41 / B	3.41	3.90	2.95
	Erp ※6	Pdsign	kW	-	-	-	-	-	-		
		Tbivalen	°C	-	-	-	-	-	-		
		SCOP	(W/W)	-	-	-	-	-	-		
		Annual consumption	kWh	-	-	-	-	-	-		
		Class		-	-	-	-	-	-		
	POWER FACTOR		%	-	-	-	98	96	94	-	-
	NOISE INDOOR (H/M/L)		dB-A	46/44/39			-			/	/
			Power Level dB	67/65/60			-				
	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)				2.59/345	2.53/345	2.47/345	30.0/6.450k	30.0/6650k	30.0/6850k	/	
STARTING CURRENT(A)/COMP OUTPUT(W)				-	-	-	20.6/3.0k	20.2/3.0k	19.6/3.0k	/	
NETWORK IMPEDANCE (ΩMAX.)				-			-				
FM OUTPUT (W)				200			90×2			/	
MOISTURE REMOVAL VOLUME			L/h(Pt/h)	9.0		(18.9)	-				
External static pressure			Pa	50 (MIN10 - MAX80)							
I/D AIR FLOW	COOL		m^3/min (ft^3/min)	40/37/30 (1413/1307/1059)							
	HEAT		m^3/min (ft^3/min)	40/37/30 (1413/1307/1059)							
O/D AIR FLOW	COOL		m^3/min (ft^3/min)				135 (4767)				
	HEAT		m^3/min (ft^3/min)				120 (4238)				
REFRIGERANT TYPE, AMOUNT g(oz)							R410A 3.40k (119.9)			/	
PRO DIM	HEIGHT : H mm(inch)			250 (9-27/32)			1416 (55-3/4)			/	
	WIDTH : W mm(inch)			1200 (+100) (47-1/4) (+3-15/16)			940 (37-1/32)			/	
	DEPTH : D mm(inch)			650 (25-19/32)			340 (13-13/32)			/	
PAC DIM	HEIGHT : H mm			338			1556			/	
	WIDTH : W mm			1402			1055			/	
	DEPTH : D mm			761			485			/	
MASS	(NET) kg(lb)			41 (91)			98 (216)			/	
	(GROSS) kg(lb)			48 (106)			108 (238)			/	
LAYERS LIMIT (actually)				6 (7)			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				
PIPING	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 (m^3/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

5. Ducted Type S-36PN1E5A×2 / U-71PE1E8A

INDOOR			MODEL	S-36PN1E5A×2							
OUTDOOR			MODEL				U-71PE1E8A				
Branch pipe			MODEL	CZ-P155BK1							
PERFORMANCE TEST CONDITION				ISO13253 / EN14511 / EN14825 / EN12102							
POWER SUPPLY			ø, Hz	1ø 50Hz			3ø 50Hz				
			V	220	230	240	380	400	415	Min	Max
COOLING	CAPACITY		kW	7.1	7.1	7.1				2.5	8.0
			BTU/h	24200	24200	24200				8500	27300
	CURRENT		A	0.42×2	0.43×2	0.44×2	3.25	3.10	3.00	-	-
	INPUT POWER		W	90×2	94×2	98×2	2.010k	2.012k	2.014k	-	-
			TOTAL W	-			2.190k	2.200k	2.210k	660	2.750k
	ANNUAL CONSUMPTION		TOTAL kWh ※4	-			-	1100	-	-	-
	EER/EER CLASS		TOTAL(W/W)※5/("A"~"G")	-	-	-	3.24	3.23 / A	3.21	3.79	2.91
	Erp ※6	Pdsign	kW	-	-	-	-	7.1	-		
		SEER	(W/W)	-	-	-	-	4.7	-		
		Annual consumption	kWh	-	-	-	-	531	-		
		Class		-	-	-	-	B	-		
	POWER FACTOR		%	-	-	-	94	94	93	-	-
	NOISE INDOOR (H/M/L)		dB-A	40/38/35							
			Power Level dB	57/55/52							
	NOISE OUTDOOR (H/L)		dB-A				48/-				
			Power Level dB				65/-				
HEATING	CAPACITY		kW	8.0	8.0	8.0				2.0	9.0
			BTU/h	27300	27300	27300				6800	30700
	CURRENT		A	0.42×2	0.43×2	0.44×2	3.35	3.20	3.10	-	-
	INPUT POWER		W	90×2	94×2	98×2	2.120k	2.122k	2.124k	-	-
			TOTAL W	-			2.300k	2.310k	2.320k	600	3.000k
	COP/COP CLASS		TOTAL(W/W)※5/("A"~"G")	-	-	-	3.48	3.46 / B	3.45	3.33	3.00
	Erp ※6	Pdsign	kW	-	-	-	-	6.1	-		
		Tbivalen	°C	-	-	-	-	-9	-		
		SCOP	(W/W)	-	-	-	-	3.8	-		
		Annual consumption	kWh	-	-	-	-	2245	-		
		Class		-	-	-	-	A	-		
	POWER FACTOR		%	-	-	-	96	96	95	-	-
	NOISE INDOOR (H/M/L)		dB-A	40/38/35			-			/	/
			Power Level dB	57/55/52			-				
	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)				0.60×2/130×2	0.62×2/140×2	0.63×2/150×2	7.0/4.150k	7.0/4.360k	7.0/4.530k	/	
STARTING CURRENT(A)/COMP OUTPUT(W)				-	-	-	3.35/2.0k	3.20/2.0k	3.10/2.0k	/	
NETWORK IMPEDANCE (ΩMAX.)				-			-				
FM OUTPUT (W)				60×2			90			/	
MOISTURE REMOVAL VOLUME			L/h(Pt/h)	4.2	(2.1×2)	(8.8)	-				
External static pressure			Pa	50 (MIN10 - MAX80)							
I/D AIR FLOW	COOL		m^3/min (ft^3/min)	[14/12/10 (494/424/353)]×2							
	HEAT		m^3/min (ft^3/min)	[14/12/10 (494/424/353)]×2							
O/D AIR FLOW	COOL		m^3/min (ft^3/min)				60		(2119)		
	HEAT		m^3/min (ft^3/min)				60		(2119)		
REFRIGERANT TYPE, AMOUNT g(oz)							R410A	2.35k	(82.9)	/	
PRO DIM	HEIGHT : H mm(inch)			250 (9-27/32)			996 (39-7/32)			/	
	WIDTH : W mm(inch)			780 (+100) (30-23/32) (+3-15/16)			940 (37-1/32)			/	
	DEPTH : D mm(inch)			650 (25-19/32)			340 (13-13/32)			/	
PAC DIM	HEIGHT : H mm			345			1136			/	
	WIDTH : W mm			1007			1055			/	
	DEPTH : D mm			777			485			/	
MASS	(NET) kg(lb)			29 (64)			71 (157)			/	
	(GROSS) kg(lb)			34 (75)			79 (174)			/	
LAYERS LIMIT (actually)				8 (9)			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				
PIPING	PIPE DIAMETER mm (inch)			(Liquid)ø6.35(1/4) (Gas)ø12.7(1/2)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)				
	CONNECT METHOD, STD LENGTH m (ft)			flared type, 5.0(16.4)			flared type, 5.0(16.4)				
	PIPE LENGTH RANGE m (ft)			5 ~ 50			(16.4 ~ 164.0)			~	~
	I/D&O/D HEIGHT DIFFERENCE m (ft)			15 (OD located lower) / 30 (OD located higher)			(49.2/98.4)				
	ADD GAS AMOUNT g/m (oz/ft)			50			(0.538)				
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)			30			(98.4)				

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/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

5. Ducted Type S-36PN1E5A×3 / U-100PE1E8A

INDOOR			MODEL	S-36PN1E5A×3							
OUTDOOR			MODEL				U-100PE1E8A				
Branch pipe			MODEL	CZ-P3HPC2							
PERFORMANCE TEST CONDITION				ISO13253 / EN14511 / EN14825 / EN12102							
POWER SUPPLY			ø, Hz	1ø 50Hz			3ø 50Hz				
			V	220	230	240	380	400	415	Min	Max
COOLING	CAPACITY		kW	10.0	10.0	10.0				3.3	12.5
			BTU/h	34100	34100	34100				11300	42700
	CURRENT		A	0.42×3	0.43×3	0.44×3	3.95	3.75	3.60	-	-
	INPUT POWER		W	90×3	94×3	98×3	2.465k	2.468k	2.471k	-	-
			TOTAL W	-			2.735k	2.750k	2.765k	870	3.800k
	ANNUAL CONSUMPTION		TOTAL kWh ※4	-			-	1375	-	-	-
	EER/EER CLASS		TOTAL(W/W)※5/("A"~"G")	-	-	-	3.66	3.64 / A	3.62	3.79	3.29
	Erp ※6	Pdsign	kW	-	-	-	-	10.0	-		
		SEER	(W/W)	-	-	-	-	5.0	-		
		Annual consumption	kWh	-	-	-	-	700	-		
		Class		-	-	-	-	B	-		
	POWER FACTOR		%	-	-	-	95	95	95	-	-
	NOISE INDOOR (H/M/L)		dB-A	40/38/35							
			Power Level dB	57/55/52							
	NOISE OUTDOOR (H/L)		dB-A				52/-				
			Power Level dB				69/-				
HEATING	CAPACITY		kW	11.2	11.2	11.2				4.1	14.0
			BTU/h	38200	38200	38200				14000	47800
	CURRENT		A	0.42×3	0.43×3	0.44×3	4.35	4.15	4.00	-	-
	INPUT POWER		W	90×3	94×3	98×3	2.745k	2.748k	2.751k	-	-
			TOTAL W	-			3.015k	3.030k	3.045k	980	4.500k
	COP/COP CLASS		TOTAL(W/W)※5/("A"~"G")	-	-	-	3.71	3.70 / A	3.68	4.18	3.11
	Erp ※6	Pdsign	kW	-	-	-	-	9.9	-		
		Tbivalen	°C	-	-	-	-	-9	-		
		SCOP	(W/W)	-	-	-	-	3.8	-		
		Annual consumption	kWh	-	-	-	-	3646	-		
		Class		-	-	-	-	A	-		
	POWER FACTOR		%	-	-	-	96	96	96	-	-
	NOISE INDOOR (H/M/L)		dB-A	40/38/35				-		／	／
			Power Level dB	57/55/52				-			
	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)				0.60×3/130×3	0.62×3/140×3	0.63×3/150×3	9.0/5.550k	9.0/5.850k	9.0/6.100k	／	
STARTING CURRENT(A)/COMP OUTPUT(W)				-	-	-	4.35/3.0k	4.15/3.0k	4.00/3.0k	／	
NETWORK IMPEDANCE (ΩMAX.)				-			-				
FM OUTPUT (W)				60×3			90×2			／	
MOISTURE REMOVAL VOLUME			L/h(Pt/h)	6.0	(2.0×3)	(12.6)	-				
External static pressure			Pa	50 (MIN10 - MAX80)							
I/D AIR FLOW	COOL		m^3/min (ft^3/min)	[14/12/10 (494/424/353)]×3							
	HEAT		m^3/min (ft^3/min)	[14/12/10 (494/424/353)]×3							
O/D AIR FLOW	COOL		m^3/min (ft^3/min)				110		(3885)		
	HEAT		m^3/min (ft^3/min)				95		(3355)		
REFRIGERANT TYPE, AMOUNT g(oz)							R410A	3.40k	(119.9)		/
PROD IM	HEIGHT : H mm(inch)			250 (9-27/32)			1416 (55-3/4)				/
	WIDTH : W mm(inch)			780 (+100) (30-23/32) (+3-15/16)			940 (37-1/32)				/
	DEPTH : D mm(inch)			650 (25-19/32)			340 (13-13/32)				/
PAC DIM	HEIGHT : H mm			345			1556				/
	WIDTH : W mm			1007			1055				/
	DEPTH : D mm			777			485				/
MASS	(NET) kg(lb)			29 (64)			98 (216)				/
	(GROSS) kg(lb)			34 (75)			108 (238)				/
LAYERS LIMIT (actually)				8 (9)			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				
PIPING	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 (m^3/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

5. Ducted Type S-36PN1E5A×4 / U-125PE1E8A

INDOOR			MODEL	S-36PN1E5A×4							
OUTDOOR			MODEL				U-125PE1E8A				
Branch pipe			MODEL	CZ-P155BK1×3							
PERFORMANCE TEST CONDITION				ISO13253 / EN14511 / EN12102							
POWER SUPPLY			ø, Hz	1ø 50Hz			3ø 50Hz				
			V	220	230	240	380	400	415	Min	Max
COOLING	CAPACITY		kW	12.5	12.5	12.5				3.3	14.0
			BTU/h	42700	42700	42700				11300	47800
	CURRENT		A	0.42×4	0.43×4	0.44×4	5.80	5.50	5.30	-	-
	INPUT POWER		W	90×4	94×4	98×4	3.665k	3.669k	3.673k	-	-
			TOTAL W	-			4.025k	4.045k	4.065k	1000	4.800k
	ANNUAL CONSUMPTION		TOTAL kWh ※4	-			-	2025	-	-	-
	EER/EER CLASS		TOTAL(W/W)※5/("A"~"G")	-	-	-	3.11	3.09 / B	3.08	3.30	2.92
	Erp ※6	Pdsign	kW	-	-	-	-	-	-		
		SEER	(W/W)	-	-	-	-	-	-		
		Annual consumption	kWh	-	-	-	-	-	-		
		Class		-	-	-	-	-	-		
	POWER FACTOR		%	-	-	-	96	96	96	-	-
	NOISE INDOOR (H/M/L)		dB-A	40/38/35							
			Power Level dB	57/55/52							
	NOISE OUTDOOR (H/L)		dB-A				53/-				
			Power Level dB				70/-				
HEATING	CAPACITY		kW	14.0	14.0	14.0				4.1	16.0
			BTU/h	47800	47800	47800				14000	54600
	CURRENT		A	0.42×4	0.43×4	0.44×4	5.80	5.50	5.30	-	-
	INPUT POWER		W	90×4	94×4	98×4	3.655k	3.659k	3.663k	-	-
			TOTAL W	-			4.015k	4.035k	4.055k	1050	5.400k
	COP/COP CLASS		TOTAL(W/W)※5/("A"~"G")	-	-	-	3.49	3.47 / B	3.45	3.90	2.96
	Erp ※6	Pdsign	kW	-	-	-	-	-	-		
		Tbivalen	°C	-	-	-	-	-	-		
		SCOP	(W/W)	-	-	-	-	-	-		
		Annual consumption	kWh	-	-	-	-	-	-		
		Class		-	-	-	-	-	-		
	POWER FACTOR		%	-	-	-	96	96	96	-	-
	NOISE INDOOR (H/M/L)		dB-A	40/38/35			-			／	／
			Power Level dB	57/55/52			-				
	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)				0.60×4/130×4	0.62×4/140×4	0.63×4/150×4	10.0/6.200k	10.0/6.500k	10.0/6.750k	／	
STARTING CURRENT(A)/COMP OUTPUT(W)				-	-	-	5.80/3.0k	5.50/3.0k	5.30/3.0k	／	
NETWORK IMPEDANCE (ΩMAX.)				-			-				
FM OUTPUT (W)				60×4			90×2			／	
MOISTURE REMOVAL VOLUME			L/h(Pt/h)	7.9	(1.98×4)	(16.6)	-				
External static pressure			Pa	50 (MIN10 - MAX80)							
I/D AIR FLOW	COOL		m^3/min (ft^3/min)	[14/12/10 (494/424/353)]×4							
	HEAT		m^3/min (ft^3/min)	[14/12/10 (494/424/353)]×4							
O/D AIR FLOW	COOL		m^3/min (ft^3/min)				130	(4591)			
	HEAT		m^3/min (ft^3/min)				110	(3885)			
REFRIGERANT TYPE, AMOUNT g(oz)							R410A	3.40k	(119.9)		/
PRO DIM	HEIGHT : H mm(inch)			250 (9-27/32)			1416 (55-3/4)				/
	WIDTH : W mm(inch)			780 (+100) (30-23/32) (+3-15/16)			940 (37-1/32)				/
	DEPTH : D mm(inch)			650 (25-19/32)			340 (13-13/32)				/
PAC DIM	HEIGHT : H mm			345			1556				/
	WIDTH : W mm			1007			1055				/
	DEPTH : D mm			777			485				/
MASS	(NET) kg(lb)			29 (64)			98 (216)				/
	(GROSS) kg(lb)			34 (75)			108 (238)				/
LAYERS LIMIT (actually)				8 (9)			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				
PIPING	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 (m^3/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

5. Ducted Type S-45PN1E5A×3 / U-125PE1E8A

INDOOR			MODEL	S-45PN1E5A×3							
OUTDOOR			MODEL				U-125PE1E8A				
Branch pipe			MODEL	CZ-P3HPC2							
PERFORMANCE TEST CONDITION				ISO13253 / EN14511 / EN12102							
POWER SUPPLY			ø, Hz	1ø 50Hz			3ø 50Hz				
			V	220	230	240	380	400	415	Min	Max
COOLING	CAPACITY		kW	12.5	12.5	12.5				3.3	14.0
			BTU/h	42700	42700	42700				11300	47800
	CURRENT		A	0.54×3	0.55×3	0.56×3	5.80	5.50	5.30	-	-
	INPUT POWER		W	115×3	120×3	125×3	3.665k	3.665k	3.665k	-	-
			TOTAL W	-			4.010k	4.025k	4.040k	1000	4.800k
	ANNUAL CONSUMPTION		TOTAL kWh ※4	-			-	2015	-	-	-
	EER/EER CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	3.12	3.11 / B	3.09	3.30	2.92
	Erp ※6	Pdsign	kW	-	-	-	-	-	-		
		SEER	(W/W)	-	-	-	-	-	-		
		Annual consumption	kWh	-	-	-	-	-	-		
		Class		-	-	-	-	-	-		
	POWER FACTOR		%	-	-	-	96	96	96	-	-
	NOISE INDOOR (H/M/L)		dB-A	41/39/35							
			Power Level dB	58/56/52							
	NOISE OUTDOOR (H/L)		dB-A				53/-				
			Power Level dB				70/-				
HEATING	CAPACITY		kW	14.0	14.0	14.0				4.1	16.0
			BTU/h	47800	47800	47800				14000	54600
	CURRENT		A	0.54×3	0.55×3	0.56×3	5.80	5.50	5.30	-	-
	INPUT POWER		W	115×3	120×3	125×3	3.655k	3.655k	3.655k	-	-
			TOTAL W	-			4.000k	4.015k	4.030k	1050	5.400k
	COP/COP CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	3.50	3.49 / B	3.47	3.90	2.96
	Erp ※6	Pdsign	kW	-	-	-	-	-	-		
		Tbivalen	°C	-	-	-	-	-	-		
		SCOP	(W/W)	-	-	-	-	-	-		
		Annual consumption	kWh	-	-	-	-	-	-		
		Class		-	-	-	-	-	-		
	POWER FACTOR		%	-	-	-	96	96	96	-	-
	NOISE INDOOR (H/M/L)		dB-A	41/39/35			-			/	/
			Power Level dB	58/56/52			-				
	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)				0.74×3/165×3	0.76×3/180×3	0.78×3/190×3	10.0/6.200k	10.0/6.500k	10.0/6.750k	/	
STARTING CURRENT(A)/COMP OUTPUT(W)				-	-	-	5.80/3.0k	5.50/3.0k	5.30/3.0k	/	
NETWORK IMPEDANCE (ΩMAX.)				-			-				
FM OUTPUT (W)				85×3			90×2			/	
MOISTURE REMOVAL VOLUME			L/h(Pt/h)	7.9	(2.63×3)	(16.6)	-				
External static pressure			Pa	50 (MIN10 - MAX80)							
I/D AIR FLOW	COOL		m^3/min (ft^3/min)	[16/13/11 (565/459/388)]×3							
	HEAT		m^3/min (ft^3/min)	[16/13/11 (565/459/388)]×3							
O/D AIR FLOW	COOL		m^3/min (ft^3/min)				130	(4591)			
	HEAT		m^3/min (ft^3/min)				110	(3885)			
REFRIGERANT TYPE, AMOUNT g(oz)							R410A	3.40k	(119.9)	/	
PRO DIM	HEIGHT : H mm(inch)			250 (9-27/32)			1416 (55-3/4)			/	
	WIDTH : W mm(inch)			780 (+100) (30-23/32) (+3-15/16)			940 (37-1/32)			/	
	DEPTH : D mm(inch)			650 (25-19/32)			340 (13-13/32)			/	
PAC DIM	HEIGHT : H mm			345			1556			/	
	WIDTH : W mm			1007			1055			/	
	DEPTH : D mm			777			485			/	
MASS	(NET) kg(lb)			29 (64)			98 (216)			/	
	(GROSS) kg(lb)			34 (75)			108 (238)			/	
LAYERS LIMIT (actually)				8 (9)			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				
PIPING	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 (m^3/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

5. Ducted Type S-50PN1E5A×2 / U-100PE1E8A

INDOOR			MODEL	S-50PN1E5A×2							
OUTDOOR			MODEL				U-100PE1E8A				
Branch pipe			MODEL	CZ-P155BK1							
PERFORMANCE TEST CONDITION				ISO13253 / EN14511 / EN14825 / EN12102							
POWER SUPPLY			ø, Hz	1ø 50Hz			3ø 50Hz				
			V	220	230	240	380	400	415	Min	Max
COOLING	CAPACITY		kW	10.0	10.0	10.0				3.3	12.5
			BTU/h	34100	34100	34100				11300	42700
	CURRENT		A	0.54×2	0.55×2	0.56×2	3.95	3.75	3.60	-	-
	INPUT POWER		W	115×2	120×2	125×2	2.465k	2.465k	2.465k	-	-
			TOTAL W	-			2.695k	2.705k	2.715k	870	3.800k
	ANNUAL CONSUMPTION		TOTAL kWh ※4	-			-	1355	-	-	-
	EER/EER CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	3.71	3.70 / A	3.68	3.79	3.29
	Erp ※6	Pdsign	kW	-	-	-	-	10.0	-		
		SEER	(W/W)	-	-	-	-	5.3	-		
		Annual consumption	kWh	-	-	-	-	659	-		
		Class		-	-	-	-	A	-		
	POWER FACTOR		%	-	-	-	95	95	95	-	-
	NOISE INDOOR (H/M/L)		dB-A	41/39/35							
			Power Level dB	58/56/52							
	NOISE OUTDOOR (H/L)		dB-A				52/-				
			Power Level dB				69/-				
HEATING	CAPACITY		kW	11.2	11.2	11.2				4.1	14.0
			BTU/h	38200	38200	38200				14000	47800
	CURRENT		A	0.54×2	0.55×2	0.56×2	4.35	4.15	4.00	-	-
	INPUT POWER		W	115×2	120×2	125×2	2.745k	2.745k	2.745k	-	-
			TOTAL W	-			2.975k	2.985k	2.995k	980	4.500k
	COP/COP CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	3.76	3.75 / A	3.74	4.18	3.11
	Erp ※6	Pdsign	kW	-	-	-	-	9.9	-		
		Tbivalen	°C	-	-	-	-	-9	-		
		SCOP	(W/W)	-	-	-	-	3.8	-		
		Annual consumption	kWh	-	-	-	-	3646	-		
		Class		-	-	-	-	A	-		
	POWER FACTOR		%	-	-	-	96	95	95	-	-
	NOISE INDOOR (H/M/L)		dB-A	41/39/35				-		/	/
			Power Level dB	58/56/52				-			
	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)				0.74×2/165×2	0.76×2/180×2	0.78×2/190×2	9.0/5.550k	9.0/5.850k	9.0/6.100k	/	
STARTING CURRENT(A)/COMP OUTPUT(W)				-	-	-	4.35/3.0k	4.15/3.0k	4.00/3.0k	/	
NETWORK IMPEDANCE (ΩMAX.)				-			-				
FM OUTPUT (W)				85×2			90×2			/	
MOISTURE REMOVAL VOLUME			L/h(Pt/h)	6.0	(3.0×2)	(12.6)	-				
External static pressure			Pa	50 (MIN10 - MAX80)							
I/D AIR FLOW	COOL		m^3/min (ft^3/min)	[16/13/11 (565/459/388)]×2							
	HEAT		m^3/min (ft^3/min)	[16/13/11 (565/459/388)]×2							
O/D AIR FLOW	COOL		m^3/min (ft^3/min)				110		(3885)		
	HEAT		m^3/min (ft^3/min)				95		(3355)		
REFRIGERANT TYPE, AMOUNT g(oz)							R410A	3.40k	(119.9)	/	
PROD IM	HEIGHT : H mm(inch)			250 (9-27/32)			1416 (55-3/4)			/	
	WIDTH : W mm(inch)			780 (+100) (30-23/32) (+3-15/16)			940 (37-1/32)			/	
	DEPTH : D mm(inch)			650 (25-19/32)			340 (13-13/32)			/	
PACK IM	HEIGHT : H mm			345			1556			/	
	WIDTH : W mm			1007			1055			/	
	DEPTH : D mm			777			485			/	
MASS	(NET) kg(lb)			29 (64)			98 (216)			/	
	(GROSS) kg(lb)			34 (75)			108 (238)			/	
LAYERS LIMIT (actually)				8 (9)			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				
PIPING	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 (m^3/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

5. Ducted Type S-50PN1E5A×3 / U-140PE1E8A

INDOOR			MODEL	S-50PN1E5A×3							
OUTDOOR			MODEL				U-140PE1E8A				
Branch pipe			MODEL	CZ-P3HPC2							
PERFORMANCE TEST CONDITION				ISO13253 / EN14511 / EN12102							
POWER SUPPLY			ø, Hz	1ø 50Hz			3ø 50Hz				
			V	220	230	240	380	400	415	Min	Max
COOLING	CAPACITY		kW	14.0	14.0	14.0				3.3	15.5
			BTU/h	47800	47800	47800				11300	52900
	CURRENT		A	0.54×3	0.55×3	0.56×3	6.95	6.60	6.35	-	-
	INPUT POWER		W	115×3	120×3	125×3	4.400k	4.400k	4.400k	-	-
			TOTAL W	-			4.745k	4.760k	4.775k	1000	6.200k
	ANNUAL CONSUMPTION		TOTAL kWh ※4	-			-	2380	-	-	-
	EER/EER CLASS		TOTAL(W/W)※5/("A"~"G")	-	-	-	2.95	2.94 / C	2.93	3.30	2.50
	Erp ※6	Pdsign	kW	-	-	-	-	-	-		
		SEER	(W/W)	-	-	-	-	-	-		
		Annual consumption	kWh	-	-	-	-	-	-		
		Class		-	-	-	-	-	-		
	POWER FACTOR		%	-	-	-	96	96	96	-	-
	NOISE INDOOR (H/M/L)		dB-A	41/39/35							
			Power Level dB	58/56/52							
	NOISE OUTDOOR (H/L)		dB-A				54/-				
			Power Level dB				71/-				
HEATING	CAPACITY		kW	16.0	16.0	16.0				4.1	18.0
			BTU/h	54600	54600	54600				14000	61400
	CURRENT		A	0.54×3	0.55×3	0.56×3	7.00	6.65	6.45	-	-
	INPUT POWER		W	115×3	120×3	125×3	4.440k	4.440k	4.440k	-	-
			TOTAL W	-			4.785k	4.800k	4.815k	1050	6.100k
	COP/COP CLASS		TOTAL(W/W)※5/("A"~"G")	-	-	-	3.34	3.33 / C	3.32	3.90	2.95
	Erp ※6	Pdsign	kW	-	-	-	-	-	-		
		Tbivalen	°C	-	-	-	-	-	-		
		SCOP	(W/W)	-	-	-	-	-	-		
		Annual consumption	kWh	-	-	-	-	-	-		
		Class		-	-	-	-	-	-		
	POWER FACTOR		%	-	-	-	96	96	96	-	-
	NOISE INDOOR (H/M/L)		dB-A	41/39/35			-			／	／
			Power Level dB	58/56/52			-				
	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)				0.74×3/165×3	0.76×3/180×3	0.78×3/190×3	11.0/6.800k	11.0/7.150k	11.0/7.450k	／	
STARTING CURRENT(A)/COMP OUTPUT(W)				-	-	-	7.00/3.0k	6.65/3.0k	6.45/3.0k	／	
NETWORK IMPEDANCE (ΩMAX.)				-			-				
FM OUTPUT (W)				85×3			90×2			／	
MOISTURE REMOVAL VOLUME			L/h(Pt/h)	9.0 (3.0×3) (18.9)			-				
External static pressure			Pa	50 (MIN10 - MAX80)							
I/D AIR FLOW	COOL		m^3/min (ft^3/min)	[16/13/11 (565/459/388)]×3							
	HEAT		m^3/min (ft^3/min)	[16/13/11 (565/459/388)]×3							
O/D AIR FLOW	COOL		m^3/min (ft^3/min)				135 (4767)				
	HEAT		m^3/min (ft^3/min)				120 (4238)				
REFRIGERANT TYPE, AMOUNT g(oz)							R410A 3.40k (119.9)			/	
PAC DIM	HEIGHT : H mm(inch)			250 (9-27/32)			1416 (55-3/4)			/	
	WIDTH : W mm(inch)			780 (+100) (30-23/32) (+3-15/16)			940 (37-1/32)			/	
	DEPTH : D mm(inch)			650 (25-19/32)			340 (13-13/32)			/	
PAC DIM	HEIGHT : H mm			345			1556			/	
	WIDTH : W mm			1007			1055			/	
	DEPTH : D mm			777			485			/	
MASS	(NET) kg(lb)			29 (64)			98 (216)			/	
	(GROSS) kg(lb)			34 (75)			108 (238)			/	
LAYERS LIMIT (actually)				8 (9)			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				
PIPING	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 (m^3/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

5. Ducted Type S-60PN1E5A×2 / U-125PE1E8A

INDOOR			MODEL	S-60PN1E5A×2							
OUTDOOR			MODEL				U-125PE1E8A				
Branch pipe			MODEL	CZ-P155BK1							
PERFORMANCE TEST CONDITION				ISO13253 / EN14511 / EN12102							
POWER SUPPLY			ø, Hz	1ø 50Hz			3ø 50Hz				
			V	220	230	240	380	400	415	Min	Max
COOLING	CAPACITY		kW	12.5	12.5	12.5				3.3	14.0
			BTU/h	42700	42700	42700				11300	47800
	CURRENT		A	1.12×2	1.08×2	1.04×2	5.80	5.50	5.30	-	-
	INPUT POWER		W	140×2	140×2	140×2	3.665k	3.665k	3.665k	-	-
			TOTAL W	-			3.945k	3.945k	3.945k	1000	4.800k
	ANNUAL CONSUMPTION		TOTAL kWh ※4	-			-	1975	-	-	-
	EER/EER CLASS		TOTAL(W/W)※5/("A"~"G")	-	-	-	3.17	3.17 / B	3.17	3.30	2.92
	Erp ※6	Pdsign	kW	-	-	-	-	-	-		
		SEER	(W/W)	-	-	-	-	-	-		
		Annual consumption	kWh	-	-	-	-	-	-		
		Class		-	-	-	-	-	-		
	POWER FACTOR		%	-	-	-	96	96	96	-	-
	NOISE INDOOR (H/M/L)		dB-A	43/41/36							
			Power Level dB	60/58/53							
	NOISE OUTDOOR (H/L)		dB-A				53/-				
			Power Level dB				70/-				
HEATING	CAPACITY		kW	14.0	14.0	14.0				4.1	16.0
			BTU/h	47800	47800	47800				14000	54600
	CURRENT		A	1.12×2	1.08×2	1.04×2	5.80	5.50	5.30	-	-
	INPUT POWER		W	140×2	140×2	140×2	3.655k	3.655k	3.655k	-	-
			TOTAL W	-			3.935k	3.935k	3.935k	1050	5.400k
	COP/COP CLASS		TOTAL(W/W)※5/("A"~"G")	-	-	-	3.56	3.56 / B	3.56	3.90	2.96
	Erp ※6	Pdsign	kW	-	-	-	-	-	-		
		Tbivalen	°C	-	-	-	-	-	-		
		SCOP	(W/W)	-	-	-	-	-	-		
		Annual consumption	kWh	-	-	-	-	-	-		
		Class		-	-	-	-	-	-		
	POWER FACTOR		%	-	-	-	96	96	96	-	-
	NOISE INDOOR (H/M/L)		dB-A	43/41/36			-			／	／
			Power Level dB	60/58/53			-				
	NOISE OUTDOOR (H/L)		dB-A	-			53/-			／	／
			Power Level dB	-			70/-				
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP			-							
MAX CURRENT(A)/MAX INPUT POWER(W)				1.28×2/160×2	1.24×2/160×2	1.20×2/160×2	10.0/6.200k	10.0/6.500k	10.0/6.750k	／	
STARTING CURRENT(A)/COMP OUTPUT(W)				-	-	-	5.80/3.0k	5.50/3.0k	5.30/3.0k	／	
NETWORK IMPEDANCE (ΩMAX.)				-			-				
FM OUTPUT (W)				120×2			90×2			／	
MOISTURE REMOVAL VOLUME			L/h(Pt/h)	7.9	(3.95×2)	(16.6)	-				
External static pressure			Pa	50 (MIN10 - MAX80)							
I/D AIR FLOW	COOL		m^3/min (ft^3/min)	[22/20/16 (777/706/565)]×2							
	HEAT		m^3/min (ft^3/min)	[22/20/16 (777/706/565)]×2							
O/D AIR FLOW	COOL		m^3/min (ft^3/min)				130		(4591)		
	HEAT		m^3/min (ft^3/min)				110		(3885)		
REFRIGERANT TYPE, AMOUNT g(oz)							R410A	3.40k	(119.9)	/	
PROD IM	HEIGHT : H mm(inch)			250 (9-27/32)			1416 (55-3/4)			/	
	WIDTH : W mm(inch)			1000 (+100) (39-5/16) (+3-15/16)			940 (37-1/32)			/	
	DEPTH : D mm(inch)			650 (25-19/32)			340 (13-13/32)			/	
PAC IM	HEIGHT : H mm			338			1556			/	
	WIDTH : W mm			1211			1055			/	
	DEPTH : D mm			761			485			/	
MASS	(NET) kg(lb)			32 (71)			98 (216)			/	
	(GROSS) kg(lb)			38 (84)			108 (238)			/	
LAYERS LIMIT (actually)				6 (7)			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				
PIPING	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 (m^3/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

5. Ducted Type S-71PN1E5A / U-71PE1E8A

INDOOR			MODEL	S-71PN1E5A							
OUTDOOR			MODEL				U-71PE1E8A				
Branch pipe			MODEL	-							
PERFORMANCE TEST CONDITION				ISO13253 / EN14511 / EN14825 / EN12102							
POWER SUPPLY			ø, Hz	1ø 50Hz			3ø 50Hz				
			V	220	230	240	380	400	415	Min	Max
COOLING	CAPACITY		kW	7.1	7.1	7.1				2.5	8.0
			BTU/h	24200	24200	24200				8500	27300
	CURRENT		A	1.12	1.08	1.04	3.25	3.10	3.00	-	-
	INPUT POWER		W	140	140	140	2.010k	2.010k	2.010k	-	-
			TOTAL W	-			2.150k	2.150k	2.150k	660	2.750k
	ANNUAL CONSUMPTION		TOTAL kWh ※4	-			-	1075	-	-	-
	EER/EER CLASS		TOTAL(W/W)※5/("A"~"G")	-	-	-	3.30	3.30 / A	3.30	3.79	2.91
	Erp ※6	Pdsign	kW	-	-	-	-	7.1	-		
		SEER	(W/W)	-	-	-	-	5.1	-		
		Annual consumption	kWh	-	-	-	-	487	-		
		Class		-	-	-	-	A	-		
	POWER FACTOR		%	-	-	-	94	94	93	-	-
	NOISE INDOOR (H/M/L)		dB-A	43/41/36							
			Power Level dB	60/58/53							
	NOISE OUTDOOR (H/L)		dB-A				48/-				
			Power Level dB				65/-				
HEATING	CAPACITY		kW	8.0	8.0	8.0				2.0	9.0
			BTU/h	27300	27300	27300				6800	30700
	CURRENT		A	1.12	1.08	1.04	3.35	3.20	3.10	-	-
	INPUT POWER		W	140	140	140	2.120k	2.120k	2.120k	-	-
			TOTAL W	-			2.260k	2.260k	2.260k	600	3.000k
	COP/COP CLASS		TOTAL(W/W)※5/("A"~"G")	-	-	-	3.54	3.54 / B	3.54	3.33	3.00
	Erp ※6	Pdsign	kW	-	-	-	-	6.2	-		
		Tbivalen	°C	-	-	-	-	-9	-		
		SCOP	(W/W)	-	-	-	-	3.8	-		
		Annual consumption	kWh	-	-	-	-	2284	-		
		Class		-	-	-	-	A	-		
	POWER FACTOR		%	-	-	-	96	96	95	-	-
	NOISE INDOOR (H/M/L)		dB-A	43/41/36			-			/	/
			Power Level dB	60/58/53			-				
	NOISE OUTDOOR (H/L)		dB-A	-			50/-			/	/
			Power Level dB	-			67/-				
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP			-							
MAX CURRENT(A)/MAX INPUT POWER(W)				1.28/160	1.24/160	1.20/160	7.0/4.150k	7.0/4.360k	7.0/4.530k	/	
STARTING CURRENT(A)/COMP OUTPUT(W)				-	-	-	3.35/2.0k	3.20/2.0k	3.10/2.0k	/	
NETWORK IMPEDANCE (ΩMAX.)				-			-				
FM OUTPUT (W)				120			90			/	
MOISTURE REMOVAL VOLUME			L/h(Pt/h)	4.2		(8.8)	-				
External static pressure			Pa	50 (MIN10 - MAX80)							
I/D AIR FLOW	COOL		m^3/min (ft^3/min)	22/20/16 (777/706/565)							
	HEAT		m^3/min (ft^3/min)	22/20/16 (777/706/565)							
O/D AIR FLOW	COOL		m^3/min (ft^3/min)				60		(2119)		
	HEAT		m^3/min (ft^3/min)				60		(2119)		
REFRIGERANT TYPE, AMOUNT g(oz)							R410A	2.35k	(82.9)	/	
PROD IM	HEIGHT : H mm(inch)			250 (9-27/32)			996 (39-7/32)			/	
	WIDTH : W mm(inch)			1000 (+100) (39-5/16) (+3-15/16)			940 (37-1/32)			/	
	DEPTH : D mm(inch)			650 (25-19/32)			340 (13-13/32)			/	
PAC DIM	HEIGHT : H mm			338			1136			/	
	WIDTH : W mm			1211			1055			/	
	DEPTH : D mm			761			485			/	
MASS	(NET) kg(lb)			32 (71)			71 (157)			/	
	(GROSS) kg(lb)			38 (84)			79 (174)			/	
LAYERS LIMIT (actually)				6 (7)			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				
PIPING	PIPE DIAMETER mm (inch)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)				
	CONNECT METHOD, STD LENGTH m (ft)			flared type, 5.0(16.4)			flared type, 5.0(16.4)				
	PIPE LENGTH RANGE m (ft)			5 ~ 50			(16.4 ~ 164.0)			~	~
	I/D&O/D HEIGHT DIFFERENCE m (ft)			15 (OD located lower) / 30 (OD located higher)			(49.2/98.4)				
	ADD GAS AMOUNT g/m (oz/ft)			50			(0.538)				
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)			30			(98.4)				

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/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

5. Ducted Type S-71PN1E5A×2 / U-140PE1E8A

INDOOR			MODEL	S-71PN1E5A×2							
OUTDOOR			MODEL				U-140PE1E8A				
Branch pipe			MODEL	CZ-P155BK1							
PERFORMANCE TEST CONDITION				ISO13253 / EN14511 / EN12102							
POWER SUPPLY			ø, Hz	1ø 50Hz			3ø 50Hz				
			V	220	230	240	380	400	415	Min	Max
COOLING	CAPACITY		kW	14.0	14.0	14.0				3.3	15.5
			BTU/h	47800	47800	47800				11300	52900
	CURRENT		A	1.12×2	1.08×2	1.04×2	6.95	6.60	6.35	-	-
	INPUT POWER		W	140×2	140×2	140×2	4.400k	4.400k	4.400k	-	-
			TOTAL W	-			4.680k	4.680k	4.680k	1000	6.200k
	ANNUAL CONSUMPTION		TOTAL kWh ※4	-			-	2340	-	-	-
	EER/EER CLASS		TOTAL(W/W)※5/("A"~"G")	-	-	-	2.99	2.99 / C	2.99	3.30	2.50
	Erp ※6	Pdsign	kW	-	-	-	-	-	-		
		SEER	(W/W)	-	-	-	-	-	-		
		Annual consumption	kWh	-	-	-	-	-	-		
		Class		-	-	-	-	-	-		
	POWER FACTOR		%	-	-	-	96	96	96	-	-
	NOISE INDOOR (H/M/L)		dB-A	43/41/36							
			Power Level dB	60/58/53							
	NOISE OUTDOOR (H/L)		dB-A				54/-				
			Power Level dB				71/-				
HEATING	CAPACITY		kW	16.0	16.0	16.0				4.1	18.0
			BTU/h	54600	54600	54600				14000	61400
	CURRENT		A	1.12×2	1.08×2	1.04×2	7.00	6.65	6.45	-	-
	INPUT POWER		W	140×2	140×2	140×2	4.440k	4.440k	4.440k	-	-
			TOTAL W	-			4.720k	4.720k	4.720k	1050	6.100k
	COP/COP CLASS		TOTAL(W/W)※5/("A"~"G")	-	-	-	3.39	3.39 / C	3.39	3.90	2.95
	Erp ※6	Pdsign	kW	-	-	-	-	-	-		
		Tbivalen	°C	-	-	-	-	-	-		
		SCOP	(W/W)	-	-	-	-	-	-		
		Annual consumption	kWh	-	-	-	-	-	-		
		Class		-	-	-	-	-	-		
	POWER FACTOR		%	-	-	-	96	96	96	-	-
	NOISE INDOOR (H/M/L)		dB-A	43/41/36			-			／	／
			Power Level dB	60/58/53			-				
	NOISE OUTDOOR (H/L)		dB-A	-			55/-			／	／
			Power Level dB	-			71/-				
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP			-							
MAX CURRENT(A)/MAX INPUT POWER(W)				1.28×2/160×2	1.24×2/160×2	1.20×2/160×2	11.0/6.800k	11.0/7.150k	11.0/7.450k	／	
STARTING CURRENT(A)/COMP OUTPUT(W)				-	-	-	7.00/3.0k	6.65/3.0k	6.45/3.0k	／	
NETWORK IMPEDANCE (ΩMAX.)				-			-				
FM OUTPUT (W)				120×2			90×2			／	
MOISTURE REMOVAL VOLUME			L/h(Pt/h)	9.0	(4.5×2)	(18.9)	-				
External static pressure			Pa	50 (MIN10 - MAX80)							
I/D AIR FLOW	COOL		m^3/min (ft^3/min)	[22/20/16 (777/706/565)]×2							
	HEAT		m^3/min (ft^3/min)	[22/20/16 (777/706/565)]×2							
O/D AIR FLOW	COOL		m^3/min (ft^3/min)				135		(4767)		
	HEAT		m^3/min (ft^3/min)				120		(4238)		
REFRIGERANT TYPE, AMOUNT g(oz)							R410A	3.40k	(119.9)	/	
PROD IM	HEIGHT : H mm(inch)			250 (9-27/32)			1416 (55-3/4)			/	
	WIDTH : W mm(inch)			1000 (+100) (39-5/16) (+3-15/16)			940 (37-1/32)			/	
	DEPTH : D mm(inch)			650 (25-19/32)			340 (13-13/32)			/	
PAC IM	HEIGHT : H mm			338			1556			/	
	WIDTH : W mm			1211			1055			/	
	DEPTH : D mm			761			485			/	
MASS	(NET) kg(lb)			32 (71)			98 (216)			/	
	(GROSS) kg(lb)			38 (84)			108 (238)			/	
LAYERS LIMIT (actually)				6 (7)			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				
PIPING	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 (m^3/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

5. Ducted Type S-100PN1E5A / U-100PE1E8A

INDOOR			MODEL	S-100PN1E5A							
OUTDOOR			MODEL				U-100PE1E8A				
Branch pipe			MODEL	-							
PERFORMANCE TEST CONDITION				ISO13253 / EN14511 / EN14825 / EN12102							
POWER SUPPLY			ø, Hz	1ø 50Hz			3ø 50Hz				
			V	220	230	240	380	400	415	Min	Max
COOLING	CAPACITY		kW	10.0	10.0	10.0				3.3	12.5
			BTU/h	34100	34100	34100				11300	42700
	CURRENT		A	1.54	1.48	1.42	3.95	3.75	3.60	-	-
	INPUT POWER		W	205	205	205	2.465k	2.465k	2.465k	-	-
			TOTAL W	-			2.670k	2.670k	2.670k	870	3.800k
	ANNUAL CONSUMPTION		TOTAL kWh ※4	-			-	1335	-	-	-
	EER/EER CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	3.75	3.75 / A	3.75	3.79	3.29
	Erp ※6	Pdsign	kW	-	-	-	-	10.0	-		
		SEER	(W/W)	-	-	-	-	5.6	-		
		Annual consumption	kWh	-	-	-	-	621	-		
		Class		-	-	-	-	A+	-		
	POWER FACTOR		%	-	-	-	95	95	95	-	-
	NOISE INDOOR (H/M/L)		dB-A	44/42/37				-			
			Power Level dB	65/63/58				-			
	NOISE OUTDOOR (H/L)		dB-A					52/-			
			Power Level dB					69/-			
HEATING	CAPACITY		kW	11.2	11.2	11.2				4.1	14.0
			BTU/h	38200	38200	38200				14000	47800
	CURRENT		A	1.54	1.48	1.42	4.35	4.15	4.00	-	-
	INPUT POWER		W	205	205	205	2.745k	2.745k	2.745k	-	-
			TOTAL W	-			2.950k	2.950k	2.950k	980	4.500k
	COP/COP CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	3.80	3.80 / A	3.80	4.18	3.11
	Erp ※6	Pdsign	kW	-	-	-	-	10.0	-		
		Tbivalen	°C	-	-	-	-	-10	-		
		SCOP	(W/W)	-	-	-	-	3.8	-		
		Annual consumption	kWh	-	-	-	-	3684	-		
		Class		-	-	-	-	A	-		
	POWER FACTOR		%	-	-	-	96	95	95	-	-
	NOISE INDOOR (H/M/L)		dB-A	44/42/37				-		/	/
			Power Level dB	65/63/58				-			
	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)				2.13/275	2.07/275	2.01/275	9.0/5.550k	9.0/5.850k	9.0/6.100k	/	
STARTING CURRENT(A)/COMP OUTPUT(W)				-	-	-	4.35/3.0k	4.15/3.0k	4.00/3.00k	/	
NETWORK IMPEDANCE (ΩMAX.)				-			-				
FM OUTPUT (W)				200			90×2			/	
MOISTURE REMOVAL VOLUME			L/h(Pt/h)	6.0		(12.6)	-				
External static pressure			Pa	50 (MIN10 - MAX80)							
I/D AIR FLOW	COOL		m^3/min (ft^3/min)	36/33/26 (1271/1165/918)							
	HEAT		m^3/min (ft^3/min)	36/33/26 (1271/1165/918)							
O/D AIR FLOW	COOL		m^3/min (ft^3/min)				110		(3885)		
	HEAT		m^3/min (ft^3/min)				95		(3355)		
REFRIGERANT TYPE, AMOUNT g(oz)							R410A	3.40k	(119.9)	/	
PROD IM	HEIGHT : H mm(inch)			250 (9-27/32)			1416 (55-3/4)			/	
	WIDTH : W mm(inch)			1200 (+100) (47-1/4) (+3-15/16)			940 (37-1/32)			/	
	DEPTH : D mm(inch)			650 (25-19/32)			340 (13-13/32)			/	
PACK IM	HEIGHT : H mm			338			1556			/	
	WIDTH : W mm			1402			1055			/	
	DEPTH : D mm			761			485			/	
MASS	(NET) kg(lb)			41 (91)			98 (216)			/	
	(GROSS) kg(lb)			48 (106)			108 (238)			/	
LAYERS LIMIT (actually)				6 (7)			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				
PIPING	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 (m^3/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

5. Ducted Type S-125PN1E5A / U-125PE1E8A

INDOOR			MODEL	S-125PN1E5A							
OUTDOOR			MODEL				U-125PE1E8A				
Branch pipe			MODEL	-							
PERFORMANCE TEST CONDITION				ISO13253 / EN14511 / EN12102							
POWER SUPPLY			ø, Hz	1ø 50Hz			3ø 50Hz				
			V	220	230	240	380	400	415	Min	Max
COOLING	CAPACITY		kW	12.5	12.5	12.5				3.3	14.0
			BTU/h	42700	42700	42700				11300	47800
	CURRENT		A	1.74	1.67	1.61	5.80	5.50	5.30	-	-
	INPUT POWER		W	225	225	225	3.665k	3.665k	3.665k	-	-
			TOTAL W	-			3.890k	3.890k	3.890k	1000	4.800k
	ANNUAL CONSUMPTION		TOTAL kWh ※4	-			-	1945	-	-	-
	EER/EER CLASS		TOTAL(W/W)※5/("A"~"G")	-	-	-	3.21	3.21 / A	3.21	3.30	2.92
	Erp ※6	Pdsign	kW	-	-	-	-	-	-		
		SEER	(W/W)	-	-	-	-	-	-		
		Annual consumption	kWh	-	-	-	-	-	-		
		Class		-	-	-	-	-	-		
	POWER FACTOR		%	-	-	-	96	96	96	-	-
	NOISE INDOOR (H/M/L)		dB-A	45/43/38			-				
			Power Level dB	66/64/59			-				
	NOISE OUTDOOR (H/L)		dB-A				53/-				
			Power Level dB				70/-				
HEATING	CAPACITY		kW	14.0	14.0	14.0				4.1	16.0
			BTU/h	47800	47800	47800				14000	54600
	CURRENT		A	1.74	1.67	1.61	5.80	5.50	5.30	-	-
	INPUT POWER		W	225	225	225	3.655k	3.665k	3.655k	-	-
			TOTAL W	-			3.880k	3.880k	3.880k	1050	5.400k
	COP/COP CLASS		TOTAL(W/W)※5/("A"~"G")	-	-	-	3.61	3.61 / A	3.61	3.90	2.96
	Erp ※6	Pdsign	kW	-	-	-	-	-	-		
		Tbivalen	°C	-	-	-	-	-	-		
		SCOP	(W/W)	-	-	-	-	-	-		
		Annual consumption	kWh	-	-	-	-	-	-		
		Class		-	-	-	-	-	-		
	POWER FACTOR		%	-	-	-	96	96	96	-	-
	NOISE INDOOR (H/M/L)		dB-A	45/43/38			-			/	/
			Power Level dB	66/64/59			-				
	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)				2.36/300	2.30/300	2.24/300	10.0/6.200k	10.0/6.500k	10.0/6.750k	/	
STARTING CURRENT(A)/COMP OUTPUT(W)				-	-	-	5.80/3.0k	5.50/3.0k	5.30/3.0k	/	
NETWORK IMPEDANCE (ΩMAX.)				-			-				
FM OUTPUT (W)				200			90×2			/	
MOISTURE REMOVAL VOLUME			L/h(Pt/h)	7.9		(16.6)	-				
External static pressure			Pa	50 (MIN10 - MAX80)							
I/D AIR FLOW	COOL		m^3/min (ft^3/min)	38/35/28 (1342/1236/989)							
	HEAT		m^3/min (ft^3/min)	38/35/28 (1342/1236/989)							
O/D AIR FLOW	COOL		m^3/min (ft^3/min)				130 (4591)				
	HEAT		m^3/min (ft^3/min)				110 (3885)				
REFRIGERANT TYPE, AMOUNT g(oz)							R410A 3.40k (119.9)			/	
PROD IM	HEIGHT : H mm(inch)			250 (9-27/32)			1416 (55-3/4)			/	
	WIDTH : W mm(inch)			1200 (+100) (47-1/4) (+3-15/16)			940 (37-1/32)			/	
	DEPTH : D mm(inch)			650 (25-19/32)			340 (13-13/32)			/	
PAC IM	HEIGHT : H mm			338			1556			/	
	WIDTH : W mm			1402			1055			/	
	DEPTH : D mm			761			485			/	
MASS	(NET) kg(lb)			41 (91)			98 (216)			/	
	(GROSS) kg(lb)			48 (106)			108 (238)			/	
LAYERS LIMIT (actually)				6 (7)			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				
PIPING	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 (m^3/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

5. Ducted Type S-140PN1E5A / U-140PE1E8A

INDOOR			MODEL	S-140PN1E5A							
OUTDOOR			MODEL				U-140PE1E8A				
Branch pipe			MODEL	-							
PERFORMANCE TEST CONDITION				ISO13253 / EN14511 / EN12102							
POWER SUPPLY			ø, Hz	1ø 50Hz			3ø 50Hz				
			V	220	230	240	380	400	415	Min	Max
COOLING	CAPACITY		kW	14.0	14.0	14.0				3.3	15.5
			BTU/h	47800	47800	47800				11300	52900
	CURRENT		A	1.89	1.82	1.74	6.95	6.60	6.35	-	-
	INPUT POWER		W	250	250	250	4.400k	4.400k	4.400k	-	-
			TOTAL W	-			4.650k	4.650k	4.650k	1000	6.200k
	ANNUAL CONSUMPTION		TOTAL kWh ※4	-			-	2325	-	-	-
	EER/EER CLASS		TOTAL(W/W)※5/("A"~"G")	-	-	-	3.01	3.01 / B	3.01	3.30	2.50
	Erp ※6	Pdsign	kW	-	-	-	-	-	-		
		SEER	(W/W)	-	-	-	-	-	-		
		Annual consumption	kWh	-	-	-	-	-	-		
		Class		-	-	-	-	-	-		
	POWER FACTOR		%	-	-	-	96	96	96	-	-
	NOISE INDOOR (H/M/L)		dB-A	46/44/39			-				
			Power Level dB	67/65/60			-				
	NOISE OUTDOOR (H/L)		dB-A				54/-				
			Power Level dB				71/-				
HEATING	CAPACITY		kW	16.0	16.0	16.0				4.1	18.0
			BTU/h	54600	54600	54600				14000	61400
	CURRENT		A	1.89	1.82	1.74	7.00	6.65	6.45	-	-
	INPUT POWER		W	250	250	250	4.440k	4.440k	4.440k	-	-
			TOTAL W	-			4.690k	4.690k	4.690k	1050	6.100k
	COP/COP CLASS		TOTAL(W/W)※5/("A"~"G")	-	-	-	3.41	3.41 / B	3.41	3.90	2.95
	Erp ※6	Pdsign	kW	-	-	-	-	-	-		
		Tbivalen	°C	-	-	-	-	-	-		
		SCOP	(W/W)	-	-	-	-	-	-		
		Annual consumption	kWh	-	-	-	-	-	-		
		Class		-	-	-	-	-	-		
	POWER FACTOR		%	-	-	-	96	96	96	-	-
	NOISE INDOOR (H/M/L)		dB-A	46/44/39			-			／	／
			Power Level dB	67/65/60			-				
	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)				2.59/345	2.53/345	2.47/345	11.0/6.800k	11.0/7.150k	11.0/7.450k	／	
STARTING CURRENT(A)/COMP OUTPUT(W)				-	-	-	7.00/3.0k	6.65/3.0k	6.45/3.0k	／	
NETWORK IMPEDANCE (ΩMAX.)				-			-				
FM OUTPUT (W)				200			90×2			／	
MOISTURE REMOVAL VOLUME			L/h(Pt/h)	9.0		(18.9)	-				
External static pressure			Pa	50 (MIN10 - MAX80)							
I/D AIR FLOW	COOL		m^3/min (ft^3/min)	40/37/30 (1413/1307/1059)							
	HEAT		m^3/min (ft^3/min)	40/37/30 (1413/1307/1059)							
O/D AIR FLOW	COOL		m^3/min (ft^3/min)				135 (4767)				
	HEAT		m^3/min (ft^3/min)				120 (4238)				
REFRIGERANT TYPE, AMOUNT g(oz)							R410A 3.40k (119.9)			/	
PRODIM	HEIGHT : H mm(inch)			250 (9-27/32)			1416 (55-3/4)			/	
	WIDTH : W mm(inch)			1200 (+100) (47-1/4) (+3-15/16)			940 (37-1/32)			/	
	DEPTH : D mm(inch)			650 (25-19/32)			340 (13-13/32)			/	
PACDIM	HEIGHT : H mm			338			1556			/	
	WIDTH : W mm			1402			1055			/	
	DEPTH : D mm			761			485			/	
MASS	(NET) kg(lb)			41 (91)			98 (216)			/	
	(GROSS) kg(lb)			48 (106)			108 (238)			/	
LAYERS LIMIT (actually)				6 (7)			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				
PIPING	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 (m^3/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

5. Ducted Type S-36PN1E5A×2 / U-71PEY1E5

INDOOR			MODEL	S-36PN1E5A×2							
PANEL			MODEL	-							
OUTDOOR			MODEL				U-71PEY1E5				
Branch pipe			MODEL	-							
PERFORMANCE TEST CONDITION				ISO13253 / EN14511 / EN14825 / EN12102							
POWER SUPPLY			ø, Hz	1ø 50Hz			1ø 50Hz				
			V	220	230	240	220	230	240	Min	Max
COOLING	CAPACITY		kW	7.1	7.1	7.1				2.0	7.7
			BTU/h	24200	24200	24200				6800	26300
	CURRENT		A	0.42×2	0.43×2	0.44×2	12.0	11.5	11.0	-	-
	INPUT POWER		W	90×2	95×2	100×2	2.430k	2.432k	2.434k	-	-
			TOTAL W	-			2.610k	2.620k	2.630k	325	3.300k
	ANNUAL CONSUMPTION		TOTAL kWh ※4	-			-	1310	-	-	-
	EER/EER CLASS		TOTAL(W/W)※5/("A"~"G")	-	-	-	2.72	2.71 / D	2.70	6.15	2.33
	Erp ※6	Pdsign	kW	-	-	-	-	7.1	-		
		SEER	(W/W)	-	-	-	-	5.0	-		
		Annual consumption	kWh	-	-	-	-	496	-		
		Class		-	-	-	-	B	-		
	POWER FACTOR		%	-	-	-	92	92	92	-	-
	NOISE INDOOR (H/M/L)		dB-A	40/38/35				-			
			Power Level dB	57/55/52				-			
	NOISE OUTDOOR (H/L)		dB-A					50/-			
			Power Level dB					70/-			
HEATING	CAPACITY		kW	7.1	7.1	7.1				1.8	8.1
			BTU/h	24200	24200	24200				6100	27600
	CURRENT		A	0.42×2	0.43×2	0.44×2	9.60	9.20	8.90	-	-
	INPUT POWER		W	90×2	94×2	98×2	1.940k	1.940k	1.940k	-	-
			TOTAL W	-			2.120k	2.130k	2.140k	275	2.840k
	COP/COP CLASS		TOTAL(W/W)※5/("A"~"G")	-	-	-	3.35	3.33 / C	3.32	6.55	2.85
	Erp ※6	Pdsign	kW	-	-	-	-	5.1	-		
		Tbivalen	°C	-	-	-	-	-7	-		
		SCOP	(W/W)	-	-	-	-	3.8	-		
		Annual consumption	kWh	-	-	-	-	1877	-		
		Class		-	-	-	-	A	-		
	POWER FACTOR		%	-	-	-	92	92	91	-	-
	NOISE INDOOR (H/M/L)		dB-A	40/38/35				-		／	／
			Power Level dB	57/55/52				-			
	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)				0.60×2/130×2	0.62×2/140×2	0.63×2/150×2	18.0/3.640k	18.0/3.810k	18.0/3.970k	／	
STARTING CURRENT(A)/COMP OUTPUT(W)				-	-	-	11.8/2.5k	11.3/2.5k	10.8/2.5k	／	
NETWORK IMPEDANCE (ΩMAX.)				-			-				
FM OUTPUT (W)				60×2			90			／	
MOISTURE REMOVAL VOLUME			L/h(Pt/h)	4.2 (2.1×2) (8.8)			-				
External static pressure			Pa	50 (MIN10 - MAX80)							
I/D AIR FLOW	COOL		m^3/min (ft^3/min)	[14/12/10 (494/424/353)]×2							
	HEAT		m^3/min (ft^3/min)	[14/12/10 (494/424/353)]×2							
O/D AIR FLOW	COOL		m^3/min (ft^3/min)				39 (1377)				
	HEAT		m^3/min (ft^3/min)				39 (1377)				
REFRIGERANT TYPE, AMOUNT g(oz)							R410A 1.70k (60.0)			／	
PROM	D I M	HEIGHT : H mm(inch)		250 (9-27/32)			569 (22-13/32)			／	
		WIDTH : W mm(inch)		780 (+100) (30-23/32) (+3-15/16)			790 (31-7/64)			／	
		DEPTH : D mm(inch)		650 (25-19/32)			285 (11-7/32)			／	
PAC	D I M	HEIGHT : H mm		345			645			／	
		WIDTH : W mm		1007			921			／	
		DEPTH : D mm		777			386			／	
MASS		(NET) kg(lb)		29 (64)			42 (93)			／	
		(GROSS) kg(lb)		34 (75)			46 (101)			／	
LAYERS LIMIT (actually)				8 (9)			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				
PIPING	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 (m^3/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

5. Ducted Type S-50PN1E5A×2 / U-100PEY1E5

INDOOR		MODEL	S-50PN1E5A×2								
PANEL		MODEL	-								
OUTDOOR		MODEL				U-100PEY1E5					
Branch pipe		MODEL	CZ-P155BK1								
PERFORMANCE TEST CONDITION			ISO13253 / EN14511 / EN14825 / EN12102								
POWER SUPPLY		ø, Hz	1ø 50Hz			1ø 50Hz					
		V	220	230	240	220	230	240	Min	Max	
COOLING	CAPACITY	kW	10.0	10.0	10.0				2.7	11.5	
		BTU/h	34100	34100	34100				9200	39200	
	CURRENT	A	0.54×2	0.55×2	0.56×2	15.9	15.2	14.7	-	-	
	INPUT POWER	W	115×2	120×2	125×2	3.320k	3.320k	3.320k	-	-	
		TOTAL W	-			3.550k	3.560k	3.570k	570	4.300k	
	ANNUAL CONSUMPTION	TOTAL kWh ※4	-			-	1780	-	-	-	
	EER/EER CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	2.82	2.81 / C	2.80	4.74	2.67	
	Erp ※6 Pdsign	kW	-	-	-	-	10.0	-			
	Erp ※6 SEER	(W/W)	-	-	-	-	4.9	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	715	-			
	Erp ※6 Class		-	-	-	-	B	-			
	POWER FACTOR	%	-	-	-	95	95	94	-	-	
	NOISE INDOOR (H/M/L)	dB-A	41/39/35			-					
		Power Level dB	58/56/52			-					
	NOISE OUTDOOR (H/L)	dB-A				54/-					
		Power Level dB				70/-					
HEATING	CAPACITY	kW	10.0	10.0	10.0				2.1	13.8	
		BTU/h	34100	34100	34100				7200	47100	
	CURRENT	A	0.54×2	0.55×2	0.56×2	12.9	12.3	11.9	-	-	
	INPUT POWER	W	115×2	120×2	125×2	2.690k	2.690k	2.690k	-	-	
		TOTAL W	-			2.920k	2.930k	2.940k	450	4.100k	
	COP/COP CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.42	3.41 / B	3.40	4.67	3.37	
	Erp ※6 Pdsign	kW	-	-	-	-	7.5	-			
	Erp ※6 Tbivalen	°C	-	-	-	-	-9	-			
	Erp ※6 SCOP	(W/W)	-	-	-	-	3.8	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	2761	-			
	Erp ※6 Class		-	-	-	-	A	-			
	POWER FACTOR	%	-	-	-	95	95	94	-	-	
	NOISE INDOOR (H/M/L)	dB-A	41/39/35			-			/	/	
		Power Level dB	58/56/52			-					
	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)			0.74×2/165×2	0.76×2/180×2	0.78×2/190×2	25.0/5.300k	25.0/5.500k	25.0/5.700k	/		
STARTING CURRENT(A)/COMP OUTPUT(W)			-	-	-	15.9/1.7k	15.2/1.7k	14.7/1.7k	/		
NETWORK IMPEDANCE (ΩMAX.)			-			-					
FM OUTPUT (W)			85×2			90			/		
MOISTURE REMOVAL VOLUME		L/h(Pt/h)	6.0 (3.0×2) (12.6)			-					
External static pressure		Pa	50 (MIN10 - MAX80)								
I/D AIR FLOW	COOL	m^3/min (ft^3/min)	[16/13/11 (565/459/388)]×2								
	HEAT	m^3/min (ft^3/min)	[16/13/11 (565/459/388)]×2								
O/D AIR FLOW	COOL	m^3/min (ft^3/min)				76 (2684)					
	HEAT	m^3/min (ft^3/min)				67 (2366)					
REFRIGERANT TYPE, AMOUNT g(oz)						R410A 2.60k (91.7)			/		
PROM	HEIGHT : H mm(inch)		250 (9-27/32)			996 (39-7/32)			/		
	WIDTH : W mm(inch)		780 (+100) 30-23/32 (+3-15/16)			940 (37-1/32)			/		
	DEPTH : D mm(inch)		650 (25-19/32)			340 (13-13/32)			/		
PAC	HEIGHT : H mm		345			1136			/		
	WIDTH : W mm		1007			1055			/		
	DEPTH : D mm		777			485			/		
MASS	(NET) kg(lb)		29 (64)			73 (161)			/		
	(GROSS) kg(lb)		34 (75)			81 (179)			/		
LAYERS LIMIT (actually)			8 (9)			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					
PIPING	PIPE DIAMETER mm (inch)		(Liquid)ø6.35(1/4) (Gas)ø12.7(1/2)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)					
	CONNECT METHOD, STD LENGTH m (ft)		flared type, 5.0(16.4)			flared type, 5.0(16.4)					
	PIPE LENGTH RANGE m (ft)		5 ~ 50 (16.4 ~ 164.0)						~	~	
	I/D&O/D HEIGHT DIFFERENCE m (ft)		15 (OD located lower) / 30 (OD located higher) (49.2/98.4)								
	ADD GAS AMOUNT g/m (oz/ft)		50 (0.538)								
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)		30 (98.4)								

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/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

5. Ducted Type S-60PN1E5A / U-60PEY1E5

INDOOR		MODEL	S-60PN1E5A							
PANEL		MODEL	-			-				
OUTDOOR		MODEL				U-60PEY1E5				
Branch pipe		MODEL	-							
PERFORMANCE TEST CONDITION			ISO13253 / EN14511 / EN14825 / EN12102							
POWER SUPPLY		ø, Hz	1ø 50Hz			1ø 50Hz				
		V	220	230	240	220	230	240	Min	Max
COOLING	CAPACITY	kW	6.0	6.0	6.0				2.0	7.0
		BTU/h	20500	20500	20500				6800	23900
	CURRENT	A	1.12	1.08	1.04	9.10	8.70	8.40	-	-
	INPUT POWER	W	140	140	140	1.850k	1.850k	1.850k	-	-
		TOTAL W		-		1.990k	1.990k	1.990k	325	2.940k
	ANNUAL CONSUMPTION	TOTAL kWh ※4		-		-	995	-	-	-
	EER/EER CLASS	TOTAL(W/W)※5/("A"~"G")	-	-	-	3.02	3.02 / B	3.02	6.15	2.38
	Erp ※6 Pdsign	kW	-	-	-	-	6.0	-		
	Erp ※6 SEER	(W/W)	-	-	-	-	4.8	-		
	Erp ※6 Annual consumption	kWh	-	-	-	-	438	-		
	Erp ※6 Class		-	-	-	-	B	-		
	POWER FACTOR	%	-	-	-	92	92	92	-	-
	NOISE INDOOR	dB-A (H/M/L)		43/41/36						
		Power Level dB		60/58/53						
	NOISE OUTDOOR	dB-A (H/L)					46/-			
		Power Level dB					65/-			
HEATING	CAPACITY	kW	6.0	6.0	6.0				1.8	7.0
		BTU/h	20500	20500	20500				6100	23900
	CURRENT	A	1.12	1.08	1.04	7.50	7.20	6.90	-	-
	INPUT POWER	W	140	140	140	1.520k	1.520k	1.520k	-	-
		TOTAL W		-		1.660k	1.660k	1.660k	275	2.420k
	COP/COP CLASS	TOTAL(W/W)※5/("A"~"G")	-	-	-	3.61	3.61 / A	3.61	6.55	2.89
	Erp ※6 Pdsign	kW	-	-	-	-	4.8	-		
	Erp ※6 Tbivalen	°C	-	-	-	-	-10	-		
	Erp ※6 SCOP	(W/W)	-	-	-	-	3.8	-		
	Erp ※6 Annual consumption	kWh	-	-	-	-	1757	-		
	Erp ※6 Class		-	-	-	-	A	-		
	POWER FACTOR	%	-	-	-	92	92	92	-	-
	NOISE INDOOR	dB-A (H/M/L)		43/41/36			-		/	/
		Power Level dB		60/58/53			-			
	NOISE OUTDOOR	dB-A (H/L)		-			50/-		/	/
		Power Level dB		-			69/-			
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP					-				
MAX CURRENT(A)/MAX INPUT POWER(W)			1.28/160	1.24/160	1.20/160	18.0/3.640k	18.0/3.810k	18.0/3.970k	/	
STARTING CURRENT(A)/COMP OUTPUT(W)			-	-	-	9.1/2.0k	8.7/2.0k	8.4/2.0k	/	
NETWORK IMPEDANCE (ΩMAX.)				-			-			
FM OUTPUT (W)				120			90		/	
MOISTURE REMOVAL VOLUME		L/h(Pt/h)	3.4		(7.1)		-			
External static pressure		Pa		50 (MIN10 - MAX80)						
I/D AIR FLOW	COOL	m^3/min (ft^3/min)		22/20/16 (777/706/565)						
	HEAT	m^3/min (ft^3/min)		22/20/16 (777/706/565)						
O/D AIR FLOW	COOL	m^3/min (ft^3/min)				30		(1067)		
	HEAT	m^3/min (ft^3/min)				35		(1229)		
REFRIGERANT TYPE, AMOUNT g(oz)						R410A	1.70k	(60.0)	/	
PROM D	HEIGHT : H mm(inch)			250 (9-27/32)			569 (22-13/32)		/	
PROM I	WIDTH : W mm(inch)			1000(+100) (39-5/16)(+3-15/16)			790 (31-7/64)		/	
PROM M	DEPTH : D mm(inch)			650 (25-19/32)			285 (11-7/32)		/	
PAC D	HEIGHT : H mm			338			645		/	
PAC I	WIDTH : W mm			1211			921		/	
PAC M	DEPTH : D mm			761			386		/	
MASS	(NET) kg(lb)			32 (71)			42 (93)		/	
	(GROSS) kg(lb)			38 (84)			46 (101)		/	
LAYERS LIMIT (actually)				6 (7)			4 (5)			
Operation Condition		Cool (DBT)		18°C ~ 32°C			-10°C ~ 43°C			
		Heat (DBT)		16°C ~ 30°C			-15°C ~ 24°C			
PIPING	PIPE DIAMETER mm (inch)		(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)				
	CONNECT METHOD, STD LENGTH m (ft)		flared type, 5.0(16.4)			flared type, 5.0(16.4)				
	PIPE LENGTH RANGE m (ft)		5 ~ 50 (16.4 ~ 164)						~	~
	I/D&O/D HEIGHT DIFFERENCE m (ft)		15 (OD located lower) / 30 (OD located higher) (49.2/98.4)							
	ADD GAS AMOUNT g/m (oz/ft)		40 (0.430)							
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)		20 (65.6)							

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/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

5. Ducted Type S-60PN1E5A×2 / U-125PEY1E5

INDOOR			MODEL	S-60PN1E5A×2							
PANEL			MODEL	-							
OUTDOOR			MODEL				U-125PEY1E5				
Branch pipe			MODEL	CZ-P155BK1							
PERFORMANCE TEST CONDITION				ISO13253 / EN14511 / EN12102							
POWER SUPPLY			ø, Hz	1ø 50Hz			1ø 50Hz				
			V	220	230	240	220	230	240	Min	Max
COOLING	CAPACITY		kW	12.5	12.5	12.5				3.8	13.5
			BTU/h	42700	42700	42700				13000	46100
	CURRENT		A	1.12×2	1.08×2	1.04×2	19.9	19.0	18.4	-	-
	INPUT POWER		W	140×2	140×2	140×2	4.165k	4.165k	4.165k	-	-
			TOTAL W	-			4.445k	4.445k	4.445k	950	5.200k
	ANNUAL CONSUMPTION		TOTAL kWh ※4	-			-	2223	-	-	-
	EER/EER CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	2.81	2.81 / C	2.81	4.00	2.60
	Erp ※6	Pdsign	kW	-	-	-	-	-	-		
		SEER	(W/W)	-	-	-	-	-	-		
		Annual consumption	kWh	-	-	-	-	-	-		
		Class		-	-	-	-	-	-		
	POWER FACTOR		%	-	-	-	95	95	94	-	-
	NOISE INDOOR (H/M/L)		dB-A	43/41/36			-				
			Power Level dB	60/58/53			-				
	NOISE OUTDOOR (H/L)		dB-A				56/-				
			Power Level dB				73/-				
HEATING	CAPACITY		kW	12.5	12.5	12.5				3.4	15.0
			BTU/h	42700	42700	42700				11600	51200
	CURRENT		A	1.12×2	1.08×2	1.04×2	16.2	15.5	15.0	-	-
	INPUT POWER		W	140×2	140×2	140×2	3.385k	3.385k	3.385k	-	-
			TOTAL W	-			3.665k	3.665k	3.665k	780	4.600k
	COP/COP CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	3.41	3.41 / B	3.41	4.36	3.26
	Erp ※6	Pdsign	kW	-	-	-	-	-	-		
		Tbivalen	°C	-	-	-	-	-	-		
		SCOP	(W/W)	-	-	-	-	-	-		
		Annual consumption	kWh	-	-	-	-	-	-		
		Class		-	-	-	-	-	-		
	POWER FACTOR		%	-	-	-	95	95	94	-	-
	NOISE INDOOR (H/M/L)		dB-A	43/41/36			-			/	/
			Power Level dB	60/58/53			-				
	NOISE OUTDOOR (H/L)		dB-A	-			56/-			/	/
			Power Level dB	-			73/-				
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP			-							
MAX CURRENT(A)/MAX INPUT POWER(W)				1.28×2/160×2	1.24×2/160×2	1.20×2/160×2	29.0/6.000k	29.0/6.300k	29.0/6.600k	/	
STARTING CURRENT(A)/COMP OUTPUT(W)				-	-	-	19.9/3.0k	19.0/3.0k	18.4/3.0k	/	
NETWORK IMPEDANCE (ΩMAX.)				-			-				
FM OUTPUT (W)				120×2			90			/	
MOISTURE REMOVAL VOLUME			L/h(Pt/h)	7.9 (3.95×2) (16.6)			-				
External static pressure			Pa	50 (MIN10 ~ MAX80)							
I/D AIR FLOW	COOL		m^3/min (ft^3/min)	[22/20/16 (777/706/565)]×2							
	HEAT		m^3/min (ft^3/min)	[22/20/16 (777/706/565)]×2							
O/D AIR FLOW	COOL		m^3/min (ft^3/min)				80 (2825)				
	HEAT		m^3/min (ft^3/min)				73 (2578)				
REFRIGERANT TYPE, AMOUNT g(oz)							R410A 3.20k (112.9)			/	
PROM	D I M	HEIGHT : H mm(inch)		250 (9-27/32)			996 (39-7/32)			/	
		WIDTH : W mm(inch)		1000 (+100) 39-5/16 (+3-15/16)			940 (37-1/32)			/	
		DEPTH : D mm(inch)		650 (25-19/32)			340 (13-13/32)			/	
PAC	D I M	HEIGHT : H mm		338			1136			/	
		WIDTH : W mm		1211			1055			/	
		DEPTH : D mm		761			485			/	
MASS		(NET) kg(lb)		32 (71)			85 (187)			/	
		(GROSS) kg(lb)		38 (84)			93 (205)			/	
LAYERS LIMIT (actually)				6 (7)			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				
PIPING	PIPE DIAMETER mm (inch)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)				
	CONNECT METHOD, STD LENGTH m (ft)			flared type, 5.0(16.4)			flared type, 5.0(16.4)				
	PIPE LENGTH RANGE m (ft)			5 ~ 50 (16.4 ~ 164.0)						~	~
	I/D&O/D HEIGHT DIFFERENCE m (ft)			15 (OD located lower) / 30 (OD located higher) (49.2/98.4)							
	ADD GAS AMOUNT g/m (oz/ft)			50 (0.538)							
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)			30 (98.4)							

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/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

5. Ducted Type S-71PN1E5A / U-71PEY1E5

INDOOR		MODEL	S-71PN1E5A								
PANEL		MODEL	-								
OUTDOOR		MODEL				U-71PEY1E5					
Branch pipe		MODEL	-								
PERFORMANCE TEST CONDITION			ISO13253 / EN14511 / EN14825 / EN12102								
POWER SUPPLY		ø, Hz	1ø 50Hz			1ø 50Hz					
		V	220	230	240	220	230	240	Min	Max	
COOLING	CAPACITY	kW	7.1	7.1	7.1				2.0	7.7	
		BTU/h	24200	24200	24200				6800	26300	
	CURRENT	A	1.12	1.08	1.04	12.0	11.5	11.0	-	-	
	INPUT POWER	W	140	140	140	2.430k	2.430k	2.430k	-	-	
		TOTAL W	-			2.570k	2.570k	2.570k	325	3.230k	
	ANNUAL CONSUMPTION	TOTAL kWh ※4	-			-	1285	-	-	-	
	EER/EER CLASS	TOTAL(W/W)※5/("A"~"G")	-	-	-	2.76	2.76 / D	2.76	6.15	2.38	
	Erp ※6 Pdsign	kW	-	-	-	-	7.1	-			
	Erp ※6 SEER	(W/W)	-	-	-	-	5.1	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	491	-			
	Erp ※6 Class		-	-	-	-	B	-			
	POWER FACTOR	%	-	-	-	92	92	92	-	-	
	NOISE INDOOR (H/M/L)	dB-A	43/41/36			-					
		Power Level dB	60/58/53			-					
	NOISE OUTDOOR (H/L)	dB-A				50/-					
		Power Level dB				70/-					
HEATING	CAPACITY	kW	7.1	7.1	7.1				1.8	8.1	
		BTU/h	24200	24200	24200				6100	27600	
	CURRENT	A	1.12	1.08	1.04	9.60	9.20	8.90	-	-	
	INPUT POWER	W	140	140	140	1.940k	1.940k	1.940k	-	-	
		TOTAL W	-			2.080k	2.080k	2.080k	275	2.780k	
	COP/COP CLASS	TOTAL(W/W)※5/("A"~"G")	-	-	-	3.41	3.41 / B	3.41	6.55	2.91	
	Erp ※6 Pdsign	kW	-	-	-	-	5.3	-			
	Erp ※6 Tbivalen	°C	-	-	-	-	-7	-			
	Erp ※6 SCOP	(W/W)	-	-	-	-	3.8	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	1952	-			
	Erp ※6 Class		-	-	-	-	A	-			
	POWER FACTOR	%	-	-	-	92	92	91	-	-	
	NOISE INDOOR (H/M/L)	dB-A	43/41/36			-			/	/	
		Power Level dB	60/58/53			-					
	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)			1.28/160	1.24/160	1.20/160	18.0/3.640k	18.0/3.810k	18.0/3.970k	/		
STARTING CURRENT(A)/COMP OUTPUT(W)			-	-	-	11.8/2.5k	11.3/2.5k	10.8/2.5k	/		
NETWORK IMPEDANCE (ΩMAX.)			-			-					
FM OUTPUT (W)			120			90			/		
MOISTURE REMOVAL VOLUME		L/h(Pt/h)	4.2		(8.8)	-					
External static pressure		Pa	50 (MIN10 ~ MAX80)								
I/D AIR FLOW	COOL	m^3/min (ft^3/min)	22/20/16 (777/706/565)								
	HEAT	m^3/min (ft^3/min)	22/20/16 (777/706/565)								
O/D AIR FLOW	COOL	m^3/min (ft^3/min)				39		(1377)			
	HEAT	m^3/min (ft^3/min)				39		(1377)			
REFRIGERANT TYPE, AMOUNT g(oz)						R410A	1.70k	(60.0)	/		
PROM	HEIGHT : H mm(inch)		250 (9-27/32)			569 (22-13/32)			/		
	WIDTH : W mm(inch)		1000 (+100) (39-5/16) (+3-15/16)			790 (31-7/64)			/		
	DEPTH : D mm(inch)		650 (25-19/32)			285 (11-7/32)			/		
PAC M	HEIGHT : H mm		338			645			/		
	WIDTH : W mm		1211			921			/		
	DEPTH : D mm		761			386			/		
MASS	(NET) kg(lb)		32 (71)			42 (93)			/		
	(GROSS) kg(lb)		38 (84)			46 (101)			/		
LAYERS LIMIT (actually)			6 (7)			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					
PIPING	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 (m^3/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

5. Ducted Type S-100PN1E5A / U-100PEY1E5

INDOOR		MODEL	S-100PN1E5A								
PANEL		MODEL	-								
OUTDOOR		MODEL				U-100PEY1E5					
Branch pipe		MODEL	-								
PERFORMANCE TEST CONDITION			ISO13253 / EN14511 / EN14825 / EN12102								
POWER SUPPLY		ø, Hz	1ø 50Hz			1ø 50Hz					
		V	220	230	240	220	230	240	Min	Max	
COOLING	CAPACITY	kW	10.0	10.0	10.0				2.7	11.5	
		BTU/h	34100	34100	34100				9200	39200	
	CURRENT	A	1.54	1.48	1.42	16.0	15.3	14.8	-	-	
	INPUT POWER	W	205	205	205	3.350k	3.350k	3.350k	-	-	
		TOTAL W	-			3.555k	3.555k	3.555k	570	4.300k	
	ANNUAL CONSUMPTION	TOTAL kWh ※4	-			-	1778	-	-	-	
	EER/EER CLASS	TOTAL(W/W)※5/("A"~"G")	-	-	-	2.81	2.81 / C	2.81	4.74	2.67	
	Erp ※6 Pdsign	kW	-	-	-	-	10.0	-			
	Erp ※6 SEER	(W/W)	-	-	-	-	5.3	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	661	-			
	Erp ※6 Class		-	-	-	-	A	-			
	POWER FACTOR	%	-	-	-	95	95	94	-	-	
	NOISE INDOOR (H/M/L)	dB-A	44/42/37			-					
		Power Level dB	65/63/58			-					
	NOISE OUTDOOR (H/L)	dB-A				54/-					
		Power Level dB				70/-					
HEATING	CAPACITY	kW	10.0	10.0	10.0				2.1	13.8	
		BTU/h	34100	34100	34100				7200	47100	
	CURRENT	A	1.54	1.48	1.42	13.0	12.5	12.1	-	-	
	INPUT POWER	W	205	205	205	2.730k	2.730k	2.730k	-	-	
		TOTAL W	-			2.935k	2.935k	2.935k	450	4.100k	
	COP/COP CLASS	TOTAL(W/W)※5/("A"~"G")	-	-	-	3.41	3.41 / B	3.41	4.67	3.37	
	Erp ※6 Pdsign	kW	-	-	-	-	7.6	-			
	Erp ※6 Tbivalen	°C	-	-	-	-	-10	-			
	Erp ※6 SCOP	(W/W)	-	-	-	-	3.8	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	2800	-			
	Erp ※6 Class		-	-	-	-	A	-			
	POWER FACTOR	%	-	-	-	95	95	94	-	-	
	NOISE INDOOR (H/M/L)	dB-A	44/42/37			-			/	/	
		Power Level dB	65/63/58			-					
	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)			2.13/275	2.07/275	2.01/275	25.0/5.300k	25.0/5.500k	25.0/5.700k	/		
STARTING CURRENT(A)/COMP OUTPUT(W)			-	-	-	16.0/1.7k	15.3/1.7k	14.8/1.7k	/		
NETWORK IMPEDANCE (ΩMAX.)			-			-					
FM OUTPUT (W)			200			90			/		
MOISTURE REMOVAL VOLUME		L/h(Pt/h)	6.0 (12.6)			-					
External static pressure		Pa	50 (MIN10 ~ MAX80)								
I/D AIR FLOW	COOL	m^3/min (ft^3/min)	36/33/26 (1271/1165/918)								
	HEAT	m^3/min (ft^3/min)	36/33/26 (1271/1165/918)								
O/D AIR FLOW	COOL	m^3/min (ft^3/min)				76 (2684)					
	HEAT	m^3/min (ft^3/min)				67 (2366)					
REFRIGERANT TYPE, AMOUNT g(oz)						R410A 2.60k (91.7)			/		
PROM	HEIGHT : H mm(inch)		250 (9-27/32)			996 (39-7/32)			/		
	WIDTH : W mm(inch)		1200 (+100) 47-1/4 (+3-15/16)			940 (37-1/32)			/		
	DEPTH : D mm(inch)		650 (25-19/32)			340 (13-13/32)			/		
PAC	HEIGHT : H mm		338			1136			/		
	WIDTH : W mm		1402			1055			/		
	DEPTH : D mm		761			485			/		
MASS	(NET) kg(lb)		41 (91)			73 (161)			/		
	(GROSS) kg(lb)		48 (106)			81 (179)			/		
LAYERS LIMIT (actually)			6 (7)			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					
PIPING	PIPE DIAMETER mm (inch)		(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)					
	CONNECT METHOD, STD LENGTH m (ft)		flared type, 5.0(16.4)			flared type, 5.0(16.4)					
	PIPE LENGTH RANGE m (ft)		5 ~ 50 (16.4 ~ 164.0)						~	~	
	I/D&O/D HEIGHT DIFFERENCE m (ft)		15 (OD located lower) / 30 (OD located higher) (49.2/98.4)								
	ADD GAS AMOUNT g/m (oz/ft)		50 (0.538)								
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)		30 (98.4)								

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/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

5. Ducted Type S-125PN1E5A / U-125PEY1E5

INDOOR		MODEL	S-125PN1E5A								
PANEL		MODEL	-								
OUTDOOR		MODEL				U-125PEY1E5					
Branch pipe		MODEL	-								
PERFORMANCE TEST CONDITION			ISO13253 / EN14511 / EN12102								
POWER SUPPLY		ø, Hz	1ø 50Hz			1ø 50Hz					
		V	220	230	240	220	230	240	Min	Max	
COOLING	CAPACITY	kW	12.5	12.5	12.5				3.8	13.5	
		BTU/h	42700	42700	42700				13000	48100	
	CURRENT	A	1.74	1.67	1.61	20.1	19.3	18.7	-	-	
	INPUT POWER	W	225	225	225	4.220k	4.220k	4.220k	-	-	
		TOTAL W	-			4.445k	4.445k	4.445k	950	5.200k	
	ANNUAL CONSUMPTION	TOTAL kWh ※4	-			-	2223	-	-	-	
	EER/EER CLASS	TOTAL(W/W)※5/("A"~"G")	-	-	-	2.81	2.81 / C	2.81	4.00	2.60	
	Erp ※6 Pdsign	kW	-	-	-	-	-	-			
	Erp ※6 SEER	(W/W)	-	-	-	-	-	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	-	-			
	Erp ※6 Class		-	-	-	-	-	-			
	POWER FACTOR	%	-	-	-	95	95	94	-	-	
	NOISE INDOOR (H/M/L)	dB-A	45/43/38			-					
		Power Level dB	66/64/59			-					
	NOISE OUTDOOR (H/L)	dB-A				56/-					
		Power Level dB				73/-					
HEATING	CAPACITY	kW	12.5	12.5	12.5				3.4	15.0	
		BTU/h	42700	42700	42700				11600	51200	
	CURRENT	A	1.74	1.67	1.61	16.5	15.8	15.2	-	-	
	INPUT POWER	W	225	225	225	3.440k	3.440k	3.440k	-	-	
		TOTAL W	-			3.665k	3.665k	3.665k	780	4.600k	
	COP/COP CLASS	TOTAL(W/W)※5/("A"~"G")	-	-	-	3.41	3.41 / B	3.41	4.36	3.26	
	Erp ※6 Pdsign	kW	-	-	-	-	-	-			
	Erp ※6 Tbivalen	°C	-	-	-	-	-	-			
	Erp ※6 SCOP	(W/W)	-	-	-	-	-	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	-	-			
	Erp ※6 Class		-	-	-	-	-	-			
	POWER FACTOR	%	-	-	-	95	95	94	-	-	
	NOISE INDOOR (H/M/L)	dB-A	45/43/38			-			/	/	
		Power Level dB	66/64/59			-					
	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)			2.36/300	2.30/300	2.24/300	29.0/6.000k	29.0/6.300k	29.0/6.600k	/		
STARTING CURRENT(A)/COMP OUTPUT(W)			-	-	-	20.1/3.0k	19.3/3.0k	18.7/3.0k	/		
NETWORK IMPEDANCE (ΩMAX.)			-			-					
FM OUTPUT (W)			200			90			/		
MOISTURE REMOVAL VOLUME		L/h(Pt/h)	7.9		(16.6)	-					
External static pressure		Pa	50 (MIN10 ~ MAX80)								
I/D AIR FLOW	COOL	m^3/min (ft^3/min)	38/35/28 (1342/1236/989)								
	HEAT	m^3/min (ft^3/min)	38/35/28 (1342/1236/989)								
O/D AIR FLOW	COOL	m^3/min (ft^3/min)				80		(2825)			
	HEAT	m^3/min (ft^3/min)				73		(2578)			
REFRIGERANT TYPE, AMOUNT g(oz)						R410A	3.20k	(112.9)	/		
PROM	HEIGHT : H mm(inch)		250 (9-27/32)			996 (39-7/32)			/		
	WIDTH : W mm(inch)		1200 (+100) 47-1/4 (+3-15/16)			940 (37-1/32)			/		
	DEPTH : D mm(inch)		650 (25-19/32)			340 (13-13/32)			/		
PAC	HEIGHT : H mm		338			1136			/		
	WIDTH : W mm		1402			1055			/		
	DEPTH : D mm		761			485			/		
MASS	(NET) kg(lb)		41 (91)			85 (187)			/		
	(GROSS) kg(lb)		48 (106)			93 (205)			/		
LAYERS LIMIT (actually)			6 (7)			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					
PIPING	PIPE DIAMETER mm (inch)		(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)					
	CONNECT METHOD, STD LENGTH m (ft)		flared type, 5.0(16.4)			flared type, 5.0(16.4)					
	PIPE LENGTH RANGE m (ft)		5 ~ 50 (16.4 ~ 164.0)						~	~	
	I/D&O/D HEIGHT DIFFERENCE m (ft)		15 (OD located lower) / 30 (OD located higher) (49.2/98.4)								
	ADD GAS AMOUNT g/m (oz/ft)		50 (0.538)								
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)		30 (98.4)								

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/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

5. Ducted Type S-50PN1E5A×2 / U-100PEY1E8

INDOOR			MODEL	S-50PN1E5A×2							
PANEL			MODEL	-							
OUTDOOR			MODEL				U-100PEY1E8				
Branch pipe			MODEL	CZ-P155BK1							
PERFORMANCE TEST CONDITION				ISO13253 / EN14511 / EN14825 / EN12102							
POWER SUPPLY			ø, Hz	1ø 50Hz			3ø 50Hz				
			V	220	230	240	380	400	415	Min	Max
COOLING	CAPACITY		kW	10.0	10.0	10.0				2.7	11.5
			BTU/h	34100	34100	34100				9200	39200
	CURRENT		A	0.54×2	0.55×2	0.56×2	5.45	5.20	5.00	-	-
	INPUT POWER		W	115×2	120×2	125×2	3.320k	3.320k	3.320k	-	-
			TOTAL W	-			3.550k	3.560k	3.570k	570	4.300k
	ANNUAL CONSUMPTION		TOTAL kWh ※4	-			-	1780	-	-	-
	EER/EER CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	2.82	2.81 / C	2.80	4.74	2.67
	Erp ※6	Pdsign	kW	-	-	-	-	10.0	-		
		SEER	(W/W)	-	-	-	-	4.8	-		
		Annual consumption	kWh	-	-	-	-	728	-		
		Class		-	-	-	-	B	-		
	POWER FACTOR		%	-	-	-	93	92	92	-	-
	NOISE INDOOR (H/M/L)		dB-A	41/39/35				-			
			Power Level dB	58/56/52				-			
	NOISE OUTDOOR (H/L)		dB-A					54/-			
			Power Level dB					70/-			
HEATING	CAPACITY		kW	10.0	10.0	10.0				2.1	13.8
			BTU/h	34100	34100	34100				7200	47100
	CURRENT		A	0.54×2	0.55×2	0.56×2	4.40	4.20	4.00	-	-
	INPUT POWER		W	115×2	120×2	125×2	2.690k	2.690k	2.690k	-	-
			TOTAL W	-			2.920k	2.930k	2.940k	450	4.100k
	COP/COP CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	3.42	3.41 / B	3.40	4.67	3.37
	Erp ※6	Pdsign	kW	-	-	-	-	7.5	-		
		Tbivalen	°C	-	-	-	-	-9	-		
		SCOP	(W/W)	-	-	-	-	3.8	-		
		Annual consumption	kWh	-	-	-	-	2761	-		
		Class		-	-	-	-	A	-		
	POWER FACTOR		%	-	-	-	93	93	94	-	-
	NOISE INDOOR (H/M/L)		dB-A	41/39/35				-		/	/
			Power Level dB	58/56/52				-			
	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)				0.74×2/165×2	0.76×2/180×2	0.78×2/190×2	9.0/5.550k	9.0/5.800k	9.0/6.050k	/	
STARTING CURRENT(A)/COMP OUTPUT(W)				-	-	-	5.45/1.7k	5.20/1.7k	5.00/1.7k	/	
NETWORK IMPEDANCE (ΩMAX.)				-			-				
FM OUTPUT (W)				85×2			90			/	
MOISTURE REMOVAL VOLUME			L/h(Pt/h)	6.0 (3.0×2) (12.6)			-				
External static pressure			Pa	50 (MIN10 - MAX80)							
I/D AIR FLOW	COOL		m^3/min (ft^3/min)	[16/13/11 (565/459/388)]×2							
	HEAT		m^3/min (ft^3/min)	[16/13/11 (565/459/388)]×2							
O/D AIR FLOW	COOL		m^3/min (ft^3/min)				76 (2684)				
	HEAT		m^3/min (ft^3/min)				67 (2366)				
REFRIGERANT TYPE, AMOUNT g(oz)							R410A 2.60k (91.7)			/	
PROM	D I M	HEIGHT : H mm(inch)		250 (9-27/32)			996 (39-7/32)			/	
		WIDTH : W mm(inch)		780 (+100) 30-23/32 (+3-15/16)			940 (37-1/32)			/	
		DEPTH : D mm(inch)		650 (25-19/32)			340 (13-13/32)			/	
PAC	D I M	HEIGHT : H mm		345			1136			/	
		WIDTH : W mm		1007			1055			/	
		DEPTH : D mm		777			485			/	
MASS		(NET) kg(lb)		29 (64)			73 (161)			/	
		(GROSS) kg(lb)		34 (75)			81 (179)			/	
LAYERS LIMIT (actually)				8 (9)			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				
PIPING	PIPE DIAMETER mm (inch)			(Liquid)ø6.35(1/4) (Gas)ø12.7(1/2)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)				
	CONNECT METHOD, STD LENGTH m (ft)			flared type, 5.0(16.4)			flared type, 5.0(16.4)				
	PIPE LENGTH RANGE m (ft)			5 ~ 50 (16.4 ~ 164.0)						~	~
	I/D&O/D HEIGHT DIFFERENCE m (ft)			15 (OD located lower) / 30 (OD located higher) (49.2/98.4)							
	ADD GAS AMOUNT g/m (oz/ft)			50 (0.538)							
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)			30 (98.4)							

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/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

5. Ducted Type S-60PN1E5A×2 / U-125PEY1E8

INDOOR			MODEL	S-60PN1E5A×2							
PANEL			MODEL	-							
OUTDOOR			MODEL				U-125PEY1E8				
Branch pipe			MODEL	CZ-P155BK1							
PERFORMANCE TEST CONDITION				ISO13253 / EN14511 / EN12102							
POWER SUPPLY			ø, Hz	1ø 50Hz			3ø 50Hz				
			V	220	230	240	380	400	415	Min	Max
COOLING	CAPACITY		kW	12.5	12.5	12.5				3.8	13.5
			BTU/h	42700	42700	42700				13000	46100
	CURRENT		A	1.12×2	1.08×2	1.04×2	6.75	6.40	6.20	-	-
	INPUT POWER		W	140×2	140×2	140×2	4.165k	4.165k	4.165k	-	-
			TOTAL W	-			4.445k	4.445k	4.445k	950	5.200k
	ANNUAL CONSUMPTION		TOTAL kWh ※4	-			-	2223	-	-	-
	EER/EER CLASS		TOTAL(W/W)※5/("A"~"G")	-	-	-	2.81	2.81 / C	2.81	4.00	2.60
	Erp ※6	Pdsign	kW	-	-	-	-	-	-		
		SEER	(W/W)	-	-	-	-	-	-		
		Annual consumption	kWh	-	-	-	-	-	-		
		Class		-	-	-	-	-	-		
	POWER FACTOR		%	-	-	-	94	94	94	-	-
	NOISE INDOOR (H/M/L)		dB-A	43/41/36			-				
			Power Level dB	60/58/53			-				
	NOISE OUTDOOR (H/L)		dB-A				56/-				
			Power Level dB				73/-				
HEATING	CAPACITY		kW	12.5	12.5	12.5				3.4	15.0
			BTU/h	42700	42700	42700				11600	51200
	CURRENT		A	1.12×2	1.08×2	1.04×2	5.45	5.20	5.00	-	-
	INPUT POWER		W	140×2	140×2	140×2	3.385k	3.385k	3.385k	-	-
			TOTAL W	-			3.665k	3.665k	3.665k	780	4.600k
	COP/COP CLASS		TOTAL(W/W)※5/("A"~"G")	-	-	-	3.41	3.41 / B	3.41	4.36	3.26
	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	43/41/36			-			/	/
			Power Level dB	60/58/53			-				
	NOISE OUTDOOR (H/L)		dB-A	-			56/-			/	/
			Power Level dB	-			73/-				
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP			-							
MAX CURRENT(A)/MAX INPUT POWER(W)				1.28×2/160×2	1.24×2/160×2	1.20×2/160×2	10.0/6.200k	10.0/6.500k	10.0/6.750k	/	
STARTING CURRENT(A)/COMP OUTPUT(W)				-	-	-	6.75/3.0k	6.40/3.0k	6.20/3.0k	/	
NETWORK IMPEDANCE (ΩMAX.)				-			-				
FM OUTPUT (W)				120×2			90			/	
MOISTURE REMOVAL VOLUME			L/h(Pt/h)	7.9 (3.95×2) (16.6)			-				
External static pressure			Pa	50 (MIN10 ~ MAX80)							
I/D AIR FLOW	COOL		m^3/min (ft^3/min)	[22/20/16 (777/706/565)]×2							
	HEAT		m^3/min (ft^3/min)	[22/20/16 (777/706/565)]×2							
O/D AIR FLOW	COOL		m^3/min (ft^3/min)				80 (2825)				
	HEAT		m^3/min (ft^3/min)				73 (2578)				
REFRIGERANT TYPE, AMOUNT g(oz)							R410A 3.20k (112.9)			/	
PROM	D	HEIGHT : H mm(inch)		250 (9-27/32)			996 (39-7/32)			/	
	I	WIDTH : W mm(inch)		1000 (+100) (39-5/16) (+3-15/16)			940 (37-1/32)			/	
	M	DEPTH : D mm(inch)		650 (25-19/32)			340 (13-13/32)			/	
PAC	D	HEIGHT : H mm		338			1136			/	
	I	WIDTH : W mm		1211			1055			/	
	M	DEPTH : D mm		761			485			/	
MASS		(NET) kg(lb)		32 (71)			85 (188)			/	
		(GROSS) kg(lb)		38 (84)			93 (205)			/	
LAYERS LIMIT (actually)				6 (7)			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				
PIPING	PIPE DIAMETER mm (inch)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)				
	CONNECT METHOD, STD LENGTH m (ft)			flared type, 5.0(16.4)			flared type, 5.0(16.4)				
	PIPE LENGTH RANGE m (ft)			5 ~ 50 (16.4 ~ 164.0)						~	~
	I/D&O/D HEIGHT DIFFERENCE m (ft)			15 (OD located lower) / 30 (OD located higher) (49.2/98.4)							
	ADD GAS AMOUNT g/m (oz/ft)			50 (0.538)							
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)			30 (98.4)							

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/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

5. Ducted Type S-71PN1E5A×2 / U-140PEY1E8

INDOOR			MODEL	S-71PN1E5A×2							
PANEL			MODEL	-							
OUTDOOR			MODEL				U-140PEY1E8				
Branch pipe			MODEL	CZ-P155BK1							
PERFORMANCE TEST CONDITION				ISO13253 / EN14511 / EN12102							
POWER SUPPLY			ø, Hz	1ø 50Hz			3ø 50Hz				
			V	220	230	240	380	400	415	Min	Max
COOLING	CAPACITY		kW	14.0	14.0	14.0				3.3	15.5
			BTU/h	47800	47800	47800				11300	52900
	CURRENT		A	1.12×2	1.08×2	1.04×2	7.05	6.70	6.45	-	-
	INPUT POWER		W	140×2	140×2	140×2	4.450k	4.450k	4.450k	-	-
			TOTAL W	-			4.730k	4.730k	4.730k	840	6.000k
	ANNUAL CONSUMPTION		TOTAL kWh ※4	-			-	2365	-	-	-
	EER/EER CLASS		TOTAL(W/W)※5/("A"~"G")	-	-	-	2.96	2.96 / A	2.96	3.93	2.58
	Erp ※6	Pdsign	kW	-	-	-	-	-	-		
		SEER	(W/W)	-	-	-	-	-	-		
		Annual consumption	kWh	-	-	-	-	-	-		
		Class		-	-	-	-	-	-		
	POWER FACTOR		%	-	-	-	96	96	96	-	-
	NOISE INDOOR (H/M/L)		dB-A	43/41/36			-				
			Power Level dB	60/58/53			-				
	NOISE OUTDOOR (H/L)		dB-A				54/-				
			Power Level dB				71/-				
HEATING	CAPACITY		kW	14.0	14.0	14.0				4.1	16.0
			BTU/h	47800	47800	47800				14000	54600
	CURRENT		A	1.12×2	1.08×2	1.04×2	5.90	5.60	5.40	-	-
	INPUT POWER		W	140×2	140×2	140×2	3.730k	3.730k	3.730k	-	-
			TOTAL W	-			4.010k	4.010k	4.010k	900	5.200k
	COP/COP CLASS		TOTAL(W/W)※5/("A"~"G")	-	-	-	3.49	3.49 / A	3.49	4.56	3.08
	Erp ※6	Pdsign	kW	-	-	-	-	-	-		
		Tbivalen	°C	-	-	-	-	-	-		
		SCOP	(W/W)	-	-	-	-	-	-		
		Annual consumption	kWh	-	-	-	-	-	-		
		Class		-	-	-	-	-	-		
	POWER FACTOR		%	-	-	-	96	96	96	-	-
	NOISE INDOOR (H/M/L)		dB-A	43/41/36			-			/	/
			Power Level dB	60/58/53			-				
	NOISE OUTDOOR (H/L)		dB-A	-			53/-			/	/
			Power Level dB	-			70/-				
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP			-							
MAX CURRENT(A)/MAX INPUT POWER(W)				1.28×2/160×2	1.24×2/160×2	1.20×2/160×2	10.0/6.200k	10.0/6.500k	10.0/6.750k	/	
STARTING CURRENT(A)/COMP OUTPUT(W)				-	-	-	7.05/3.0k	6.70/3.0k	6.45/3.0k	/	
NETWORK IMPEDANCE (ΩMAX.)				-			-				
FM OUTPUT (W)				120			90×2			/	
MOISTURE REMOVAL VOLUME			L/h(Pt/h)	9.0 (4.5×2) (18.9)			-				
External static pressure			Pa	50 (MIN10 - MAX80)							
I/D AIR FLOW	COOL		m^3/min (ft^3/min)	[22/20/16 (777/706/565)]×2							
	HEAT		m^3/min (ft^3/min)	[22/20/16 (777/706/565)]×2							
O/D AIR FLOW	COOL		m^3/min (ft^3/min)				135 (4767)				
	HEAT		m^3/min (ft^3/min)				120 (4238)				
REFRIGERANT TYPE, AMOUNT g(oz)							R410A 3.40k (119.9)			/	
PROM	D I M	HEIGHT : H mm(inch)		250 (9-27/32)			1416 (55-3/4)			/	
		WIDTH : W mm(inch)		1000 (+100) (39-5/16) (+3-15/16)			940 (37-1/32)			/	
		DEPTH : D mm(inch)		650 (25-19/32)			340 (13-13/32)			/	
PAC	D I M	HEIGHT : H mm		338			1556			/	
		WIDTH : W mm		1211			1055			/	
		DEPTH : D mm		761			485			/	
MASS		(NET) kg(lb)		32 (71)			98 (216)			/	
		(GROSS) kg(lb)		38 (84)			108 (238)			/	
LAYERS LIMIT (actually)				6 (7)			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				
PIPING	PIPE DIAMETER mm (inch)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)				
	CONNECT METHOD, STD LENGTH m (ft)			flared type, 5.0(16.4)			flared type, 5.0(16.4)				
	PIPE LENGTH RANGE m (ft)			5 ~ 50 (16.4 ~ 164.0)						~	~
	I/D&O/D HEIGHT DIFFERENCE m (ft)			15 (OD located lower) / 30 (OD located higher) (49.2/98.4)							
	ADD GAS AMOUNT g/m (oz/ft)			50 (0.538)							
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)			30 (98.4)							

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/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

5. Ducted Type S-100PN1E5A / U-100PEY1E8

INDOOR			MODEL	S-100PN1E5A							
PANEL			MODEL	-							
OUTDOOR			MODEL				U-100PEY1E8				
Branch pipe			MODEL	-							
PERFORMANCE TEST CONDITION				ISO13253 / EN14511 / EN14825 / EN12102							
POWER SUPPLY			ø, Hz	1ø 50Hz			3ø 50Hz				
			V	220	230	240	380	400	415	Min	Max
COOLING	CAPACITY		kW	10.0	10.0	10.0				2.7	11.5
			BTU/h	34100	34100	34100				9200	39200
	CURRENT		A	1.54	1.48	1.42	5.45	5.20	5.05	-	-
	INPUT POWER		W	205	205	205	3.350k	3.350k	3.350k	-	-
			TOTAL W	-			3.555k	3.555k	3.555k	570	4.300k
	ANNUAL CONSUMPTION		TOTAL kWh ※4	-			-	1778	-	-	-
	EER/EER CLASS		TOTAL(W/W)※5/("A"~"G")	-	-	-	2.81	2.81 / C	2.81	4.74	2.67
	Erp ※6	Pdsign	kW	-	-	-	-	10.0	-		
		SEER	(W/W)	-	-	-	-	5.2	-		
		Annual consumption	kWh	-	-	-	-	677	-		
		Class		-	-	-	-	A	-		
	POWER FACTOR		%	-	-	-	94	93	92	-	-
	NOISE INDOOR (H/M/L)		dB-A	44/42/37				-			
			Power Level dB	65/63/58				-			
	NOISE OUTDOOR (H/L)		dB-A					54/-			
			Power Level dB					70/-			
HEATING	CAPACITY		kW	10.0	10.0	10.0				2.1	13.8
			BTU/h	34100	34100	34100				7200	47100
	CURRENT		A	1.54	1.48	1.42	4.45	4.25	4.10	-	-
	INPUT POWER		W	205	205	205	2.730k	2.730k	2.730k	-	-
			TOTAL W	-			2.935k	2.935k	2.935k	450	4.100k
	COP/COP CLASS		TOTAL(W/W)※5/("A"~"G")	-	-	-	3.41	3.41 / B	3.41	4.67	3.37
	Erp ※6	Pdsign	kW	-	-	-	-	7.6	-		
		Tbivalen	°C	-	-	-	-	-10	-		
		SCOP	(W/W)	-	-	-	-	3.8	-		
		Annual consumption	kWh	-	-	-	-	2800	-		
		Class		-	-	-	-	A	-		
	POWER FACTOR		%	-	-	-	93	93	93	-	-
	NOISE INDOOR (H/M/L)		dB-A	44/42/37				-		／	／
			Power Level dB	65/63/58				-			
	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)				2.13/275	2.07/275	2.01/275	9.0/5.550k	9.0/5.800k	9.0/6.050k	／	
STARTING CURRENT(A)/COMP OUTPUT(W)				-	-	-	5.45/1.7k	5.20/1.7k	5.05/1.7k	／	
NETWORK IMPEDANCE (ΩMAX.)				-			-				
FM OUTPUT (W)				200			90			／	
MOISTURE REMOVAL VOLUME			L/h(Pt/h)	6.0		(12.6)	-				
External static pressure			Pa	50 (MIN10 ~ MAX80)							
I/D AIR FLOW	COOL		m^3/min (ft^3/min)	36/33/26 (1271/1165/918)							
	HEAT		m^3/min (ft^3/min)	36/33/26 (1271/1165/918)							
O/D AIR FLOW	COOL		m^3/min (ft^3/min)				76		(2684)		
	HEAT		m^3/min (ft^3/min)				67		(2366)		
REFRIGERANT TYPE, AMOUNT g(oz)							R410A	2.60k	(91.7)		/
PROM	D I M	HEIGHT : H mm(inch)		250 (9-27/32)			996 (39-7/32)				/
		WIDTH : W mm(inch)		1200 (+100) (47-1/4) (+3-15/16)			940 (37-1/32)				/
		DEPTH : D mm(inch)		650 (25-19/32)			340 (13-13/32)				/
PAC	D I M	HEIGHT : H mm		338			1136				/
		WIDTH : W mm		1402			1055				/
		DEPTH : D mm		761			485				/
MASS		(NET) kg(lb)		41 (91)			73 (161)				/
		(GROSS) kg(lb)		48 (106)			81 (179)				/
LAYERS LIMIT (actually)				6 (7)			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				
PIPING	PIPE DIAMETER mm (inch)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)				
	CONNECT METHOD, STD LENGTH m (ft)			flared type, 5.0(16.4)			flared type, 5.0(16.4)				
	PIPE LENGTH RANGE m (ft)			5 ~ 50 (16.4 ~ 164.0)						~	~
	I/D&O/D HEIGHT DIFFERENCE m (ft)			15 (OD located lower) / 30 (OD located higher) (49.2/98.4)							
	ADD GAS AMOUNT g/m (oz/ft)			50 (0.538)							
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)			30 (98.4)							

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/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

5. Ducted Type S-125PN1E5A / U-125PEY1E8

INDOOR			MODEL	S-125PN1E5A							
PANEL			MODEL	-							
OUTDOOR			MODEL				U-125PEY1E8				
Branch pipe			MODEL	-							
PERFORMANCE TEST CONDITION				ISO13253 / EN14511 / EN12102							
POWER SUPPLY			ø, Hz	1ø 50Hz			3ø 50Hz				
			V	220	230	240	380	400	415	Min	Max
COOLING	CAPACITY		kW	12.5	12.5	12.5				3.8	13.5
			BTU/h	42700	42700	42700				13000	46100
	CURRENT		A	1.74	1.67	1.61	6.85	6.50	6.25	-	-
	INPUT POWER		W	225	225	225	4.220k	4.220k	4.220k	-	-
			TOTAL W	-			4.445k	4.445k	4.445k	950	5.200k
	ANNUAL CONSUMPTION		TOTAL kWh ※4	-			-	2223	-	-	-
	EER/EER CLASS		TOTAL(W/W)※5/("A"~"G")	-	-	-	2.81	2.81 / C	2.81	4.00	2.60
	Erp ※6	Pdsign	kW	-	-	-	-	-	-		
		SEER	(W/W)	-	-	-	-	-	-		
		Annual consumption	kWh	-	-	-	-	-	-		
		Class		-	-	-	-	-	-		
	POWER FACTOR		%	-	-	-	94	94	94	-	-
	NOISE INDOOR (H/M/L)		dB-A	45/43/38			-				
			Power Level dB	66/64/59			-				
	NOISE OUTDOOR (H/L)		dB-A				56/-				
			Power Level dB				73/-				
HEATING	CAPACITY		kW	12.5	12.5	12.5				3.4	15.0
			BTU/h	42700	42700	42700				11600	51200
	CURRENT		A	1.74	1.67	1.61	5.55	5.30	5.10	-	-
	INPUT POWER		W	225	225	225	3.440k	3.440k	3.440k	-	-
			TOTAL W	-			3.665k	3.665k	3.665k	780	4.600k
	COP/COP CLASS		TOTAL(W/W)※5/("A"~"G")	-	-	-	3.41	3.41 / B	3.41	4.36	3.26
	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	45/43/38			-			/	/
			Power Level dB	66/64/59			-				
	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)				2.36/300	2.30/300	2.24/300	10.0/6.200k	10.0/6.500k	10.0/6.750k	/	
STARTING CURRENT(A)/COMP OUTPUT(W)				-	-	-	6.85/3.0k	6.50/3.0k	6.25/3.0k	/	
NETWORK IMPEDANCE (ΩMAX.)				-			-				
FM OUTPUT (W)				200			90			/	
MOISTURE REMOVAL VOLUME			L/h(Pt/h)	7.9		(16.6)	-				
External static pressure			Pa	50 (MIN10 ~ MAX80)							
I/D AIR FLOW	COOL		m^3/min (ft^3/min)	38/35/28 (1342/1236/989)							
	HEAT		m^3/min (ft^3/min)	38/35/28 (1342/1236/989)							
O/D AIR FLOW	COOL		m^3/min (ft^3/min)				80		(2825)		
	HEAT		m^3/min (ft^3/min)				73		(2578)		
REFRIGERANT TYPE, AMOUNT g(oz)							R410A	3.20k	(112.9)	/	
PROM	D	HEIGHT : H mm(inch)		250 (9-27/32)			996 (39-7/32)			/	
	I	WIDTH : W mm(inch)		1200 (+100) (47-1/4) (+3-15/16)			940 (37-1/32)			/	
	M	DEPTH : D mm(inch)		650 (25-19/32)			340 (13-13/32)			/	
PAC	D	HEIGHT : H mm		338			1136			/	
	I	WIDTH : W mm		1402			1055			/	
	M	DEPTH : D mm		761			485			/	
MASS		(NET) kg(lb)		41 (91)			85 (187)			/	
		(GROSS) kg(lb)		48 (106)			93 (205)			/	
LAYERS LIMIT (actually)				6 (7)			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				
PIPING	PIPE DIAMETER mm (inch)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)				
	CONNECT METHOD, STD LENGTH m (ft)			flared type, 5.0(16.4)			flared type, 5.0(16.4)				
	PIPE LENGTH RANGE m (ft)			5 ~ 50 (16.4 ~ 164.0)						~	~
	I/D&O/D HEIGHT DIFFERENCE m (ft)			15 (OD located lower) / 30 (OD located higher) (49.2/98.4)							
	ADD GAS AMOUNT g/m (oz/ft)			50 (0.538)							
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)			30 (98.4)							

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/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

5. Ducted Type S-140PN1E5A / U-140PEY1E8

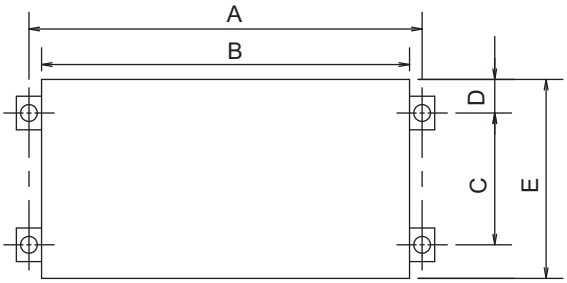
INDOOR			MODEL	S-140PN1E5A							
PANEL			MODEL	-							
OUTDOOR			MODEL				U-140PEY1E8				
Branch pipe			MODEL	-							
PERFORMANCE TEST CONDITION				ISO13253 / EN14511 / EN12102							
POWER SUPPLY			ø, Hz	1ø 50Hz			3ø 50Hz				
			V	220	230	240	380	400	415	Min	Max
COOLING	CAPACITY		kW	14.0	14.0	14.0				3.3	15.5
			BTU/h	47800	47800	47800				11300	52900
	CURRENT		A	1.89	1.82	1.74	7.05	6.70	6.45	-	-
	INPUT POWER		W	250	250	250	4.450k	4.450k	4.450k	-	-
			TOTAL W	-			4.700k	4.700k	4.700k	840	6.000k
	ANNUAL CONSUMPTION		TOTAL kWh ※4	-			-	2350	-	-	-
	EER/EER CLASS		TOTAL(W/W)※5/("A"~"G")	-	-	-	2.98	2.98 / C	2.98	3.93	2.58
	Erp ※6	Pdsign	kW	-	-	-	-	-	-		
		SEER	(W/W)	-	-	-	-	-	-		
		Annual consumption	kWh	-	-	-	-	-	-		
		Class		-	-	-	-	-	-		
	POWER FACTOR		%	-	-	-	96	96	96	-	-
	NOISE INDOOR (H/M/L)		dB-A	46/44/39			-				
			Power Level dB	67/65/60			-				
	NOISE OUTDOOR (H/L)		dB-A				54/-				
			Power Level dB				71/-				
HEATING	CAPACITY		kW	14.0	14.0	14.0				4.1	16.0
			BTU/h	47800	47800	47800				14000	54600
	CURRENT		A	1.89	1.82	1.74	5.90	5.60	5.40	-	-
	INPUT POWER		W	250	250	250	3.730k	3.730k	3.730k	-	-
			TOTAL W	-			3.980k	3.980k	3.980k	900	5.200k
	COP/COP CLASS		TOTAL(W/W)※5/("A"~"G")	-	-	-	3.52	3.52 / B	3.52	4.56	3.08
	Erp ※6	Pdsign	kW	-	-	-	-	-	-		
		Tbivalen	°C	-	-	-	-	-	-		
		SCOP	(W/W)	-	-	-	-	-	-		
		Annual consumption	kWh	-	-	-	-	-	-		
		Class		-	-	-	-	-	-		
	POWER FACTOR		%	-	-	-	96	96	96	-	-
	NOISE INDOOR (H/M/L)		dB-A	46/44/39			-			/	/
			Power Level dB	67/65/60			-				
	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)				2.59/345	2.53/345	2.47/345	10.0/6.200k	10.0/6.500k	10.0/6.750k	/	
STARTING CURRENT(A)/COMP OUTPUT(W)				-	-	-	7.05/3.0k	6.70/3.0k	6.45/3.0k	/	
NETWORK IMPEDANCE (ΩMAX.)				-			-				
FM OUTPUT (W)				200			90×2			/	
MOISTURE REMOVAL VOLUME			L/h(Pt/h)	9.0		(18.9)	-				
External static pressure			Pa	50 (MIN10 ~ MAX80)							
I/D AIR FLOW	COOL		m^3/min (ft^3/min)	40/37/30 (1413/1307/1059)							
	HEAT		m^3/min (ft^3/min)	40/37/30 (1413/1307/1059)							
O/D AIR FLOW	COOL		m^3/min (ft^3/min)				135 (4767)				
	HEAT		m^3/min (ft^3/min)				120 (4238)				
REFRIGERANT TYPE, AMOUNT g(oz)							R410A 3.40k (119.9)			/	
PROM	D I M	HEIGHT : H mm(inch)		250 (9-27/32)			1416 (55-3/4)			/	
		WIDTH : W mm(inch)		1200 (+100) (47-1/4) (+3-15/16)			940 (37-1/32)			/	
		DEPTH : D mm(inch)		650 (25-19/32)			340 (13-13/32)			/	
PAC	D I M	HEIGHT : H mm		338			1556			/	
		WIDTH : W mm		1402			1055			/	
		DEPTH : D mm		761			485			/	
MASS		(NET) kg(lb)		41 (91)			98 (216)			/	
		(GROSS) kg(lb)		48 (106)			108 (238)			/	
LAYERS LIMIT (actually)				6 (7)			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				
PIPING	PIPE DIAMETER mm (inch)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)				
	CONNECT METHOD, STD LENGTH m (ft)			flared type, 5.0(16.4)			flared type, 5.0(16.4)				
	PIPE LENGTH RANGE m (ft)			5 ~ 50 (16.4 ~ 164.0)						~	~
	I/D&O/D HEIGHT DIFFERENCE m (ft)			15 (OD located lower) / 30 (OD located higher) (49.2/98.4)							
	ADD GAS AMOUNT g/m (oz/ft)			50 (0.538)							
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)			30 (98.4)							

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the “extra-low” temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

1-2. Dimensional Data

(A) Indoor Units: S-36PN1E5A, S-45PN1E5A, S-50PN1E5A

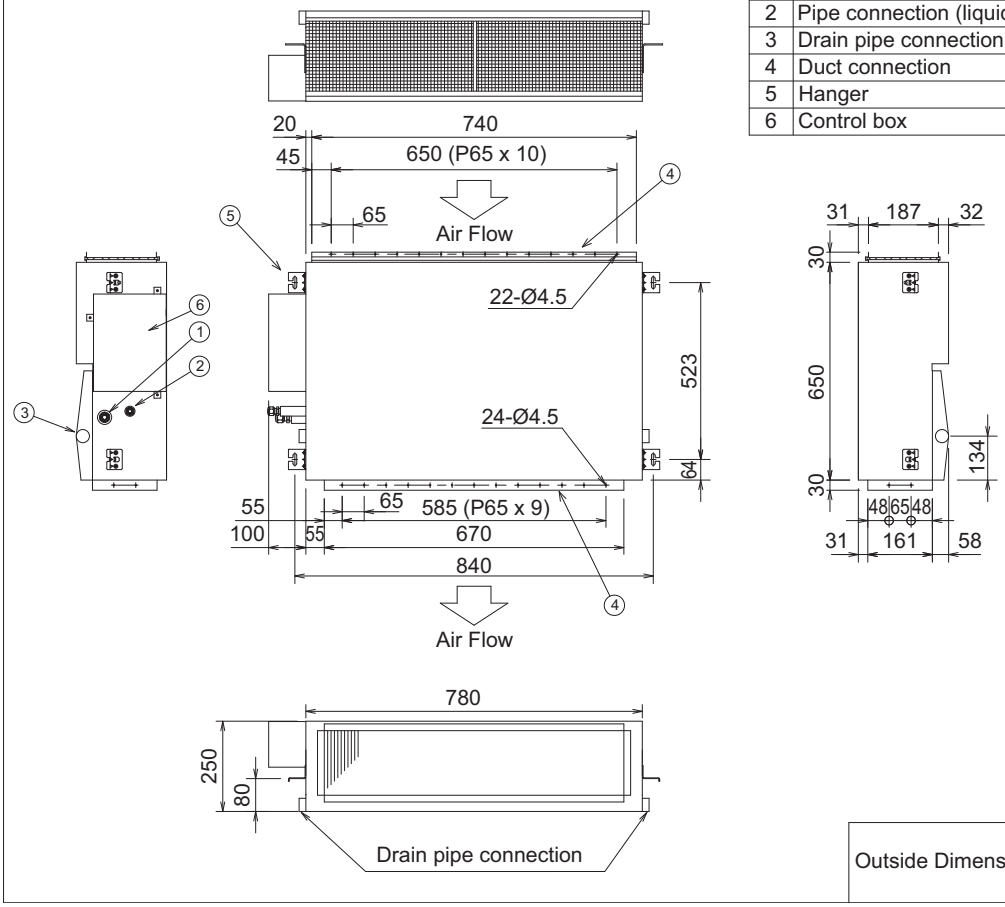
POSITION OF SUSPENSION BOLT



(unit:mm)

TYPE	A	B	C	D	E
S-36PN1E5A	840	780	523	64	650
S-45PN1E5A					
S-50PN1E5A					
S-60PN1E5A	1060	1000	523	64	650
S-71PN1E5A					
S-100PN1E5A	1260	1200	523	64	650
S-125PN1E5A					
S-140PN1E5A					

No.	NAME	Q'TY	NOTE
1	Pipe connection (gas)	1	O.D. Ø12.7 Flared
2	Pipe connection (liquid)	1	O.D. Ø6.35 Flared
3	Drain pipe connection	2	Female screw PT1"
4	Duct connection	2	
5	Hanger	4	
6	Control box	1	

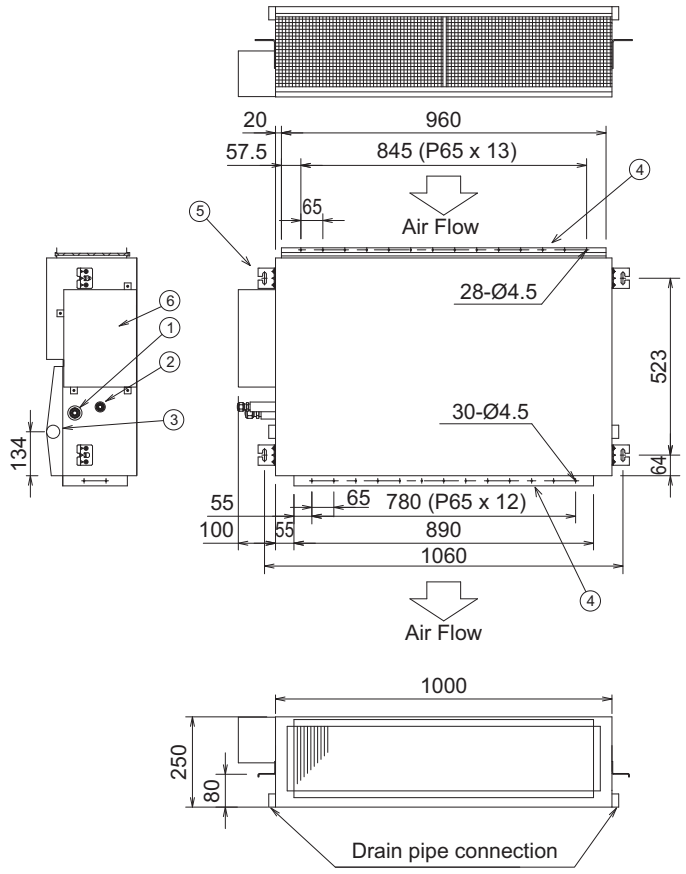


UNIT:mm

Outside Dimensions	MODEL NO.	S-36PN1E5A S-45PN1E5A S-50PN1E5A

1-2. Dimensional Data

(A) Indoor Units: S-60PN1E5A, S-71PN1E5A

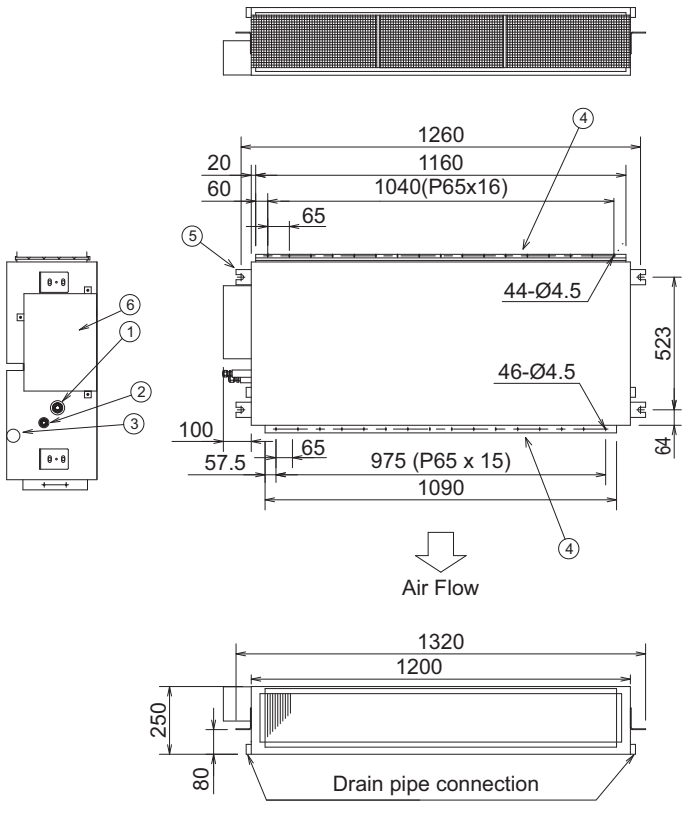


NO.	NAME	Q'TY	NOTE
1	Pipe connection (gas)	1	O.D. Ø15.88 Flared
2	Pipe connection (liquid)	1	O.D. Ø9.52 Flared
3	Drain pipe connection	2	Female screw PT1"
4	Duct connection	2	
5	Hanger	4	
6	Control box	1	

UNIT:mm

Outside Dimensions	MODEL NO.	S-60PN1E5A S-71PN1E5A

(A) Indoor Units: S-100PN1E5A, S-125PN1E5A, S-140PN1E5A



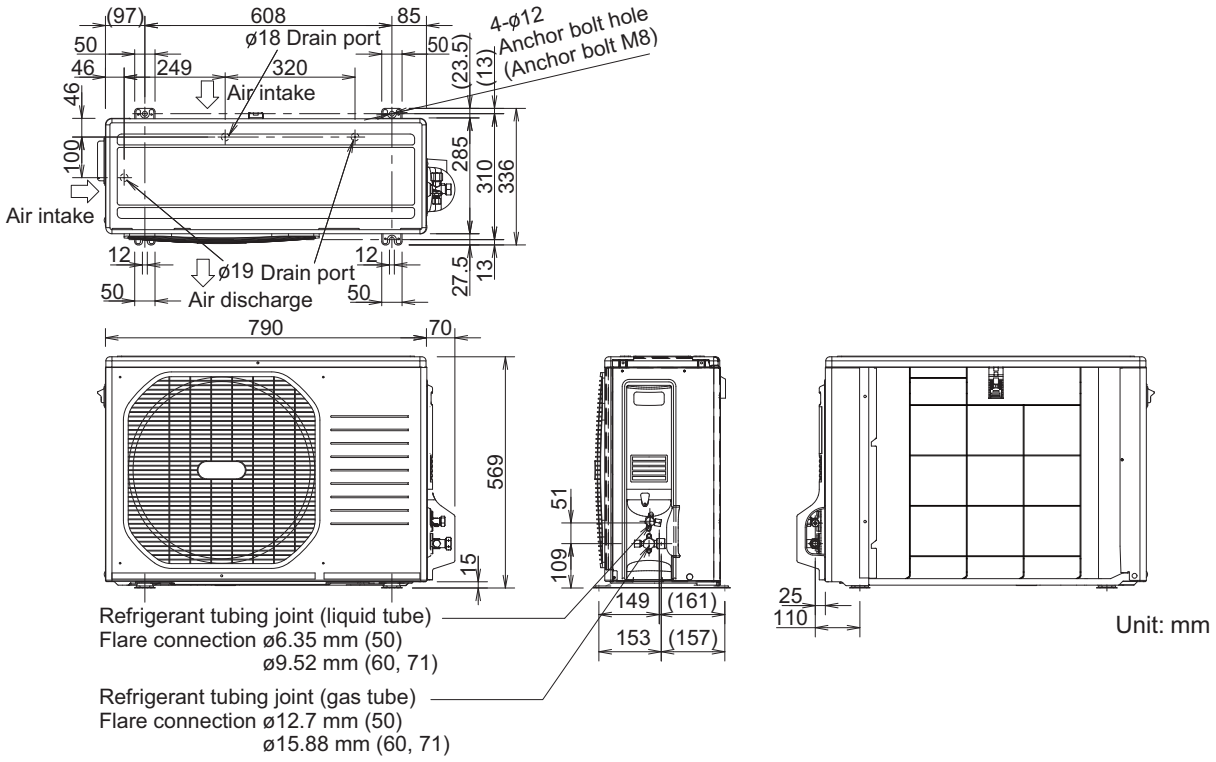
NO.	NAME	Q'TY	NOTE
1	Pipe connection (gas)	1	O.D. Ø15.88 Flared
2	Pipe connection (liquid)	1	O.D. Ø9.52 Flared
3	Drain pipe connection	2	Female screw PT1"
4	Duct connection	2	
5	Hanger	4	
6	Control box	1	

UNIT:mm

Outside Dimensions	MODEL NO.	S-100PN1E5A S-125PN1E5A S-140PN1E5A

1-2. Dimensional Data

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

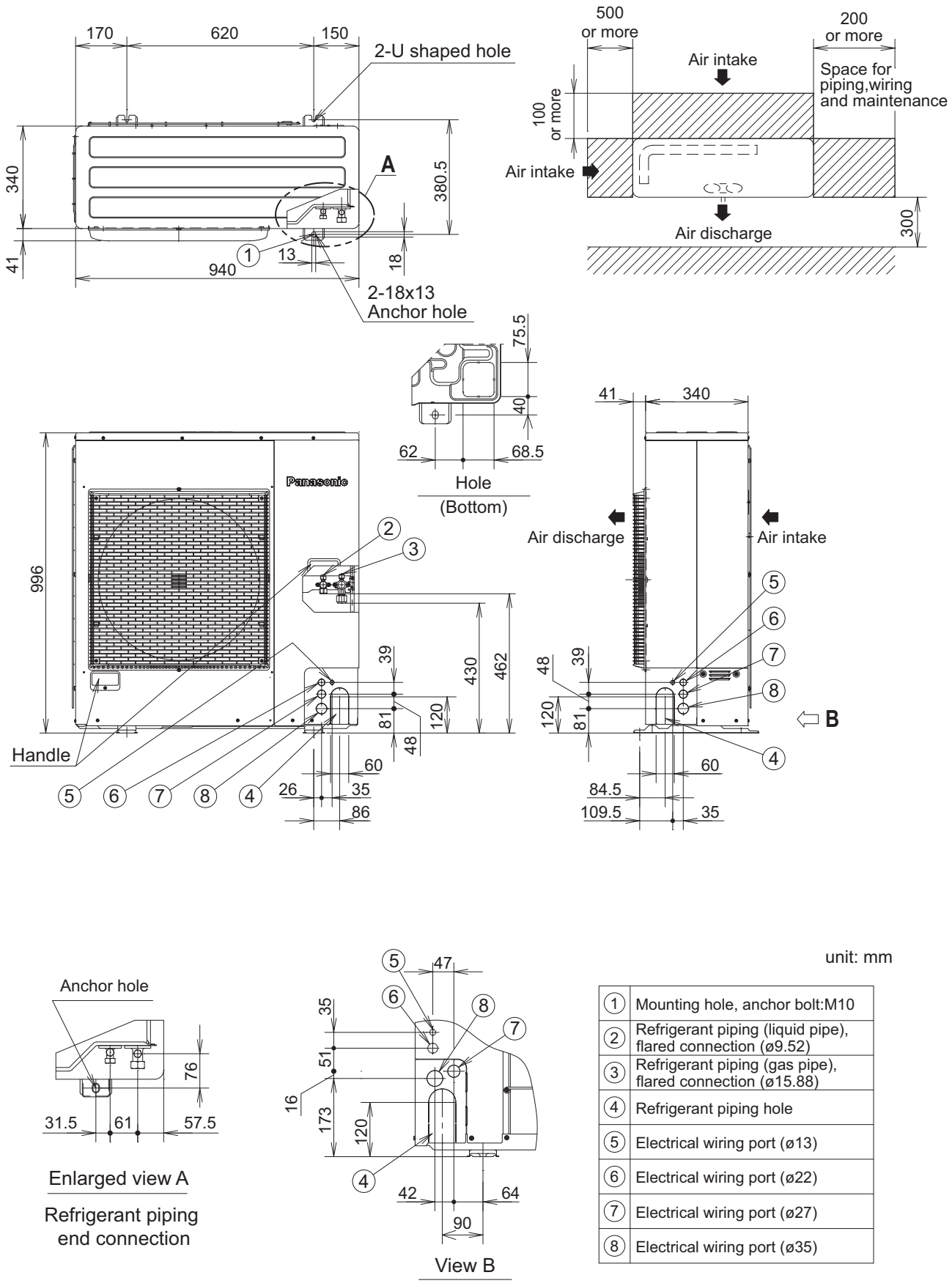


Unit: mm

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

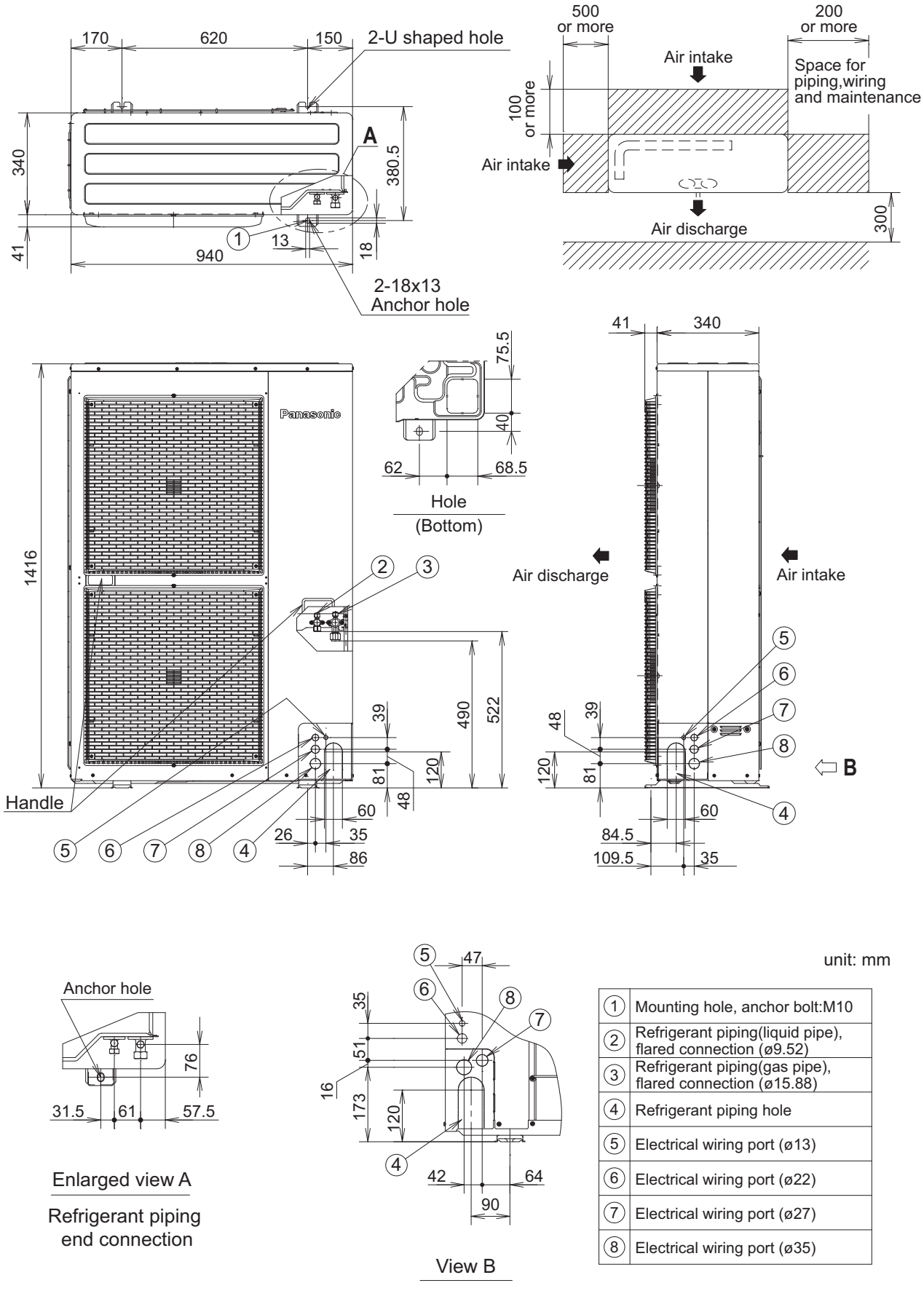
View B

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

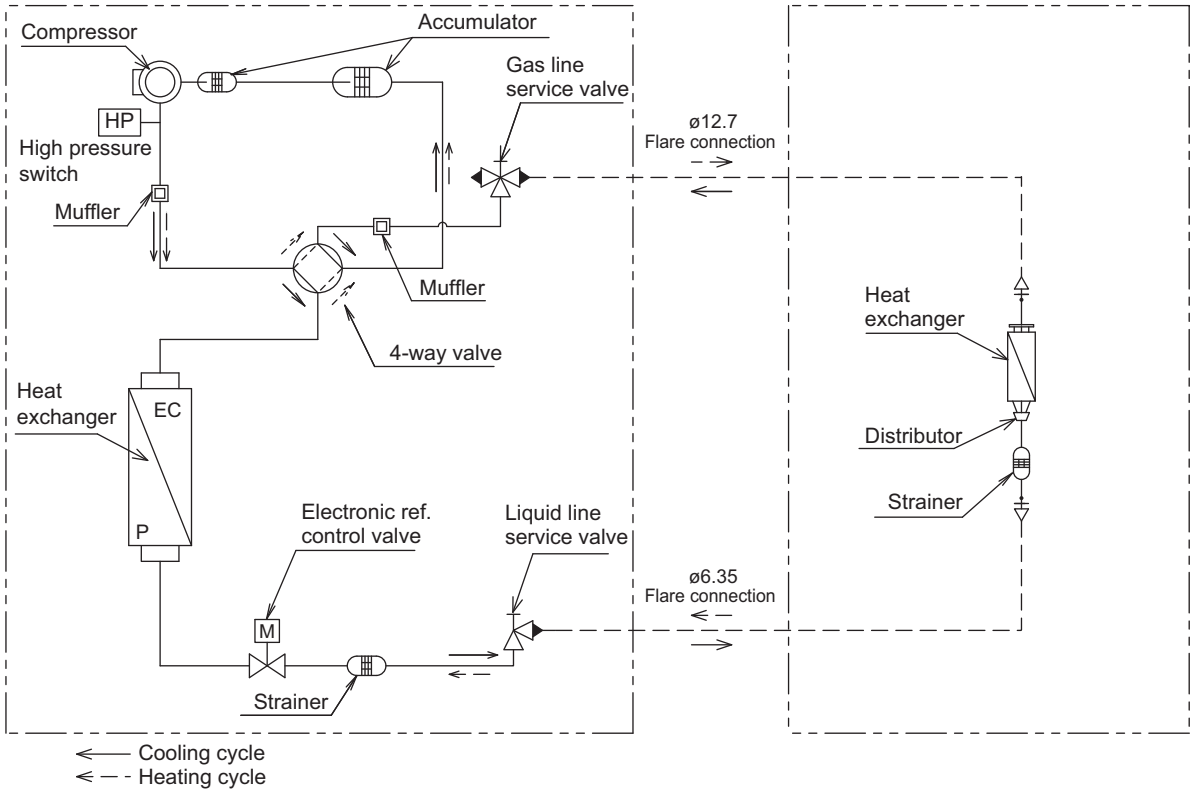
unit: mm

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

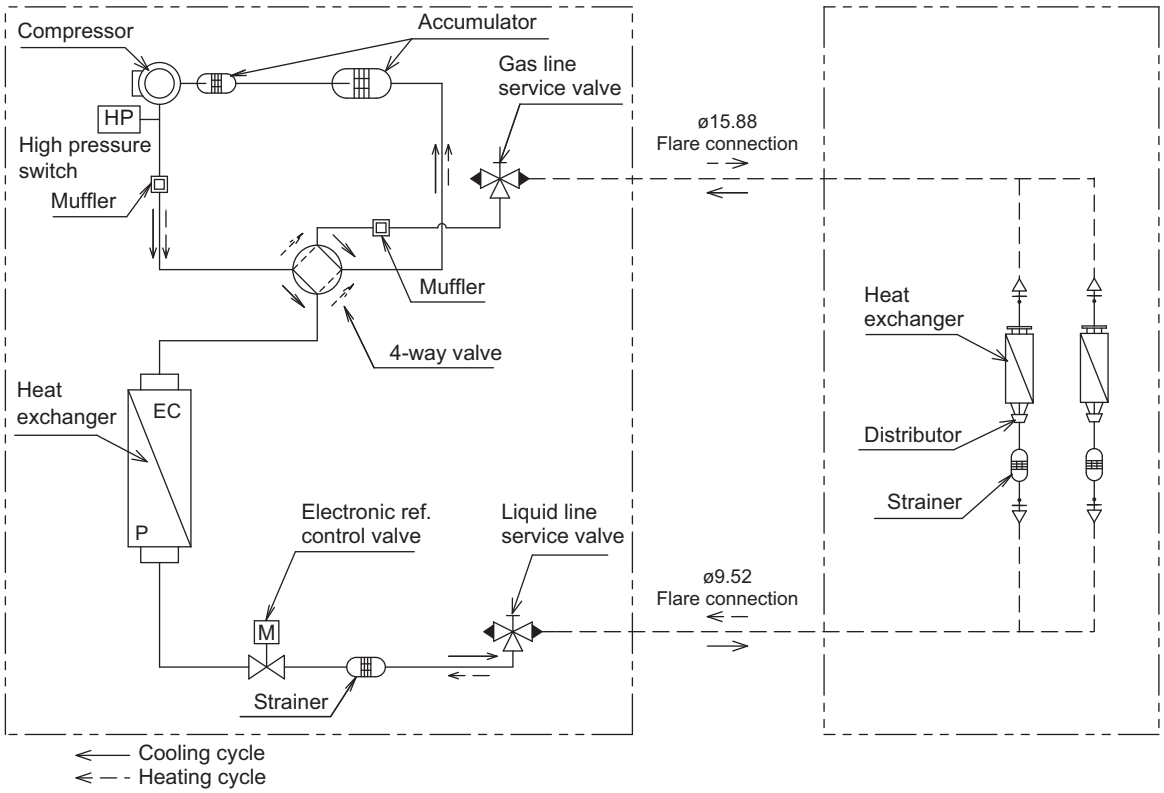
Outdoor Unit: U-50PE1E5

Indoor Unit:



Outdoor Unit : U-60PEY1E5 U-71PEY1E5

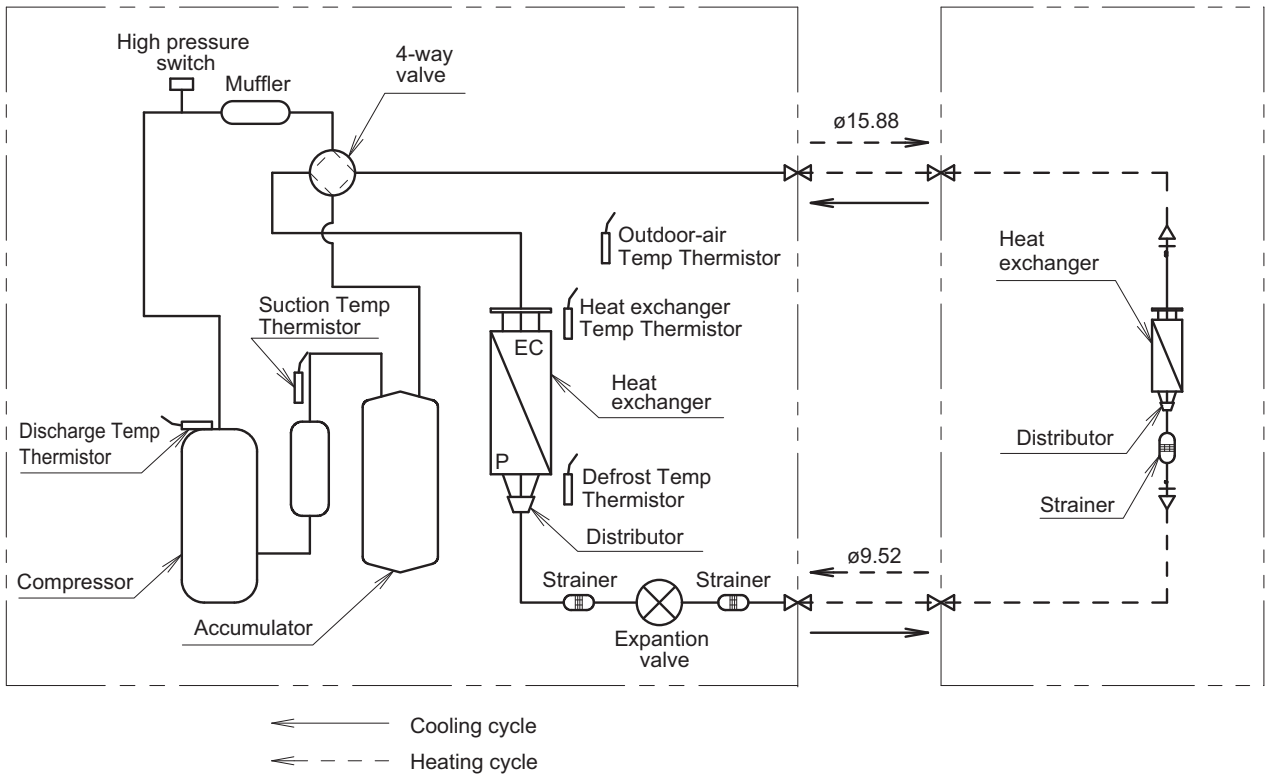
Indoor Unit:



1-3. Refrigerant Flow Diagram

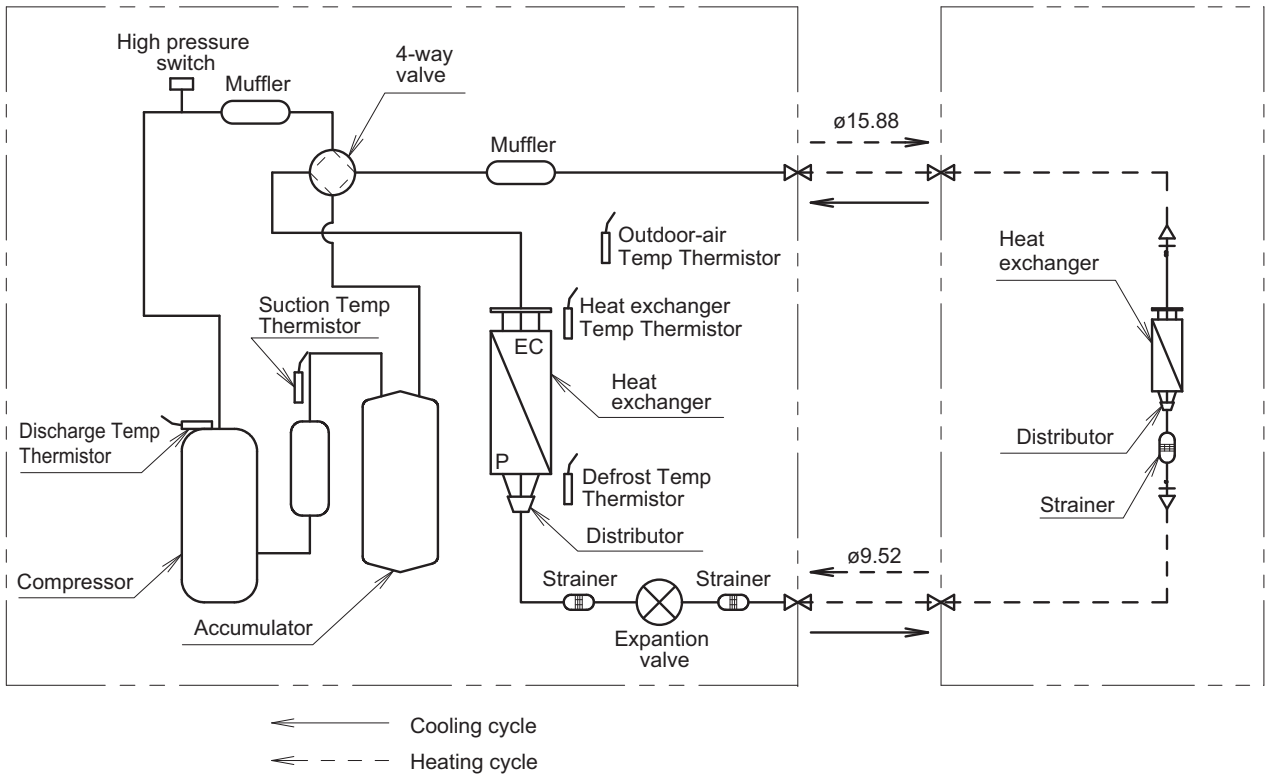
Outdoor Units: U-60PE1E5A / U-71PE1E5A
U-71PE1E8A

Indoor Unit



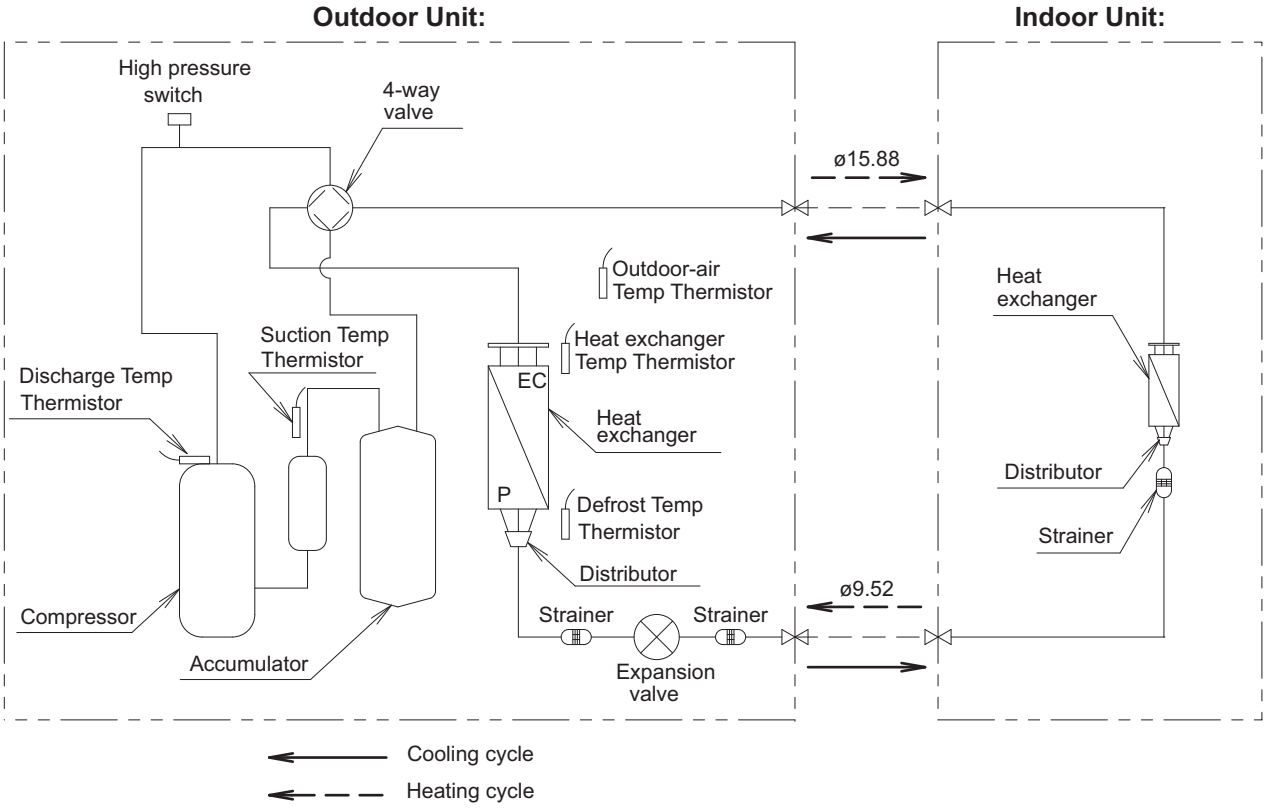
Outdoor Units: U-100PE1E5A / U-125PE1E5A / U-140PE1E5A
U-100PE1E8A / U-125PE1E8A / U-140PE1E8A / U-140PEY1E8

Indoor Unit

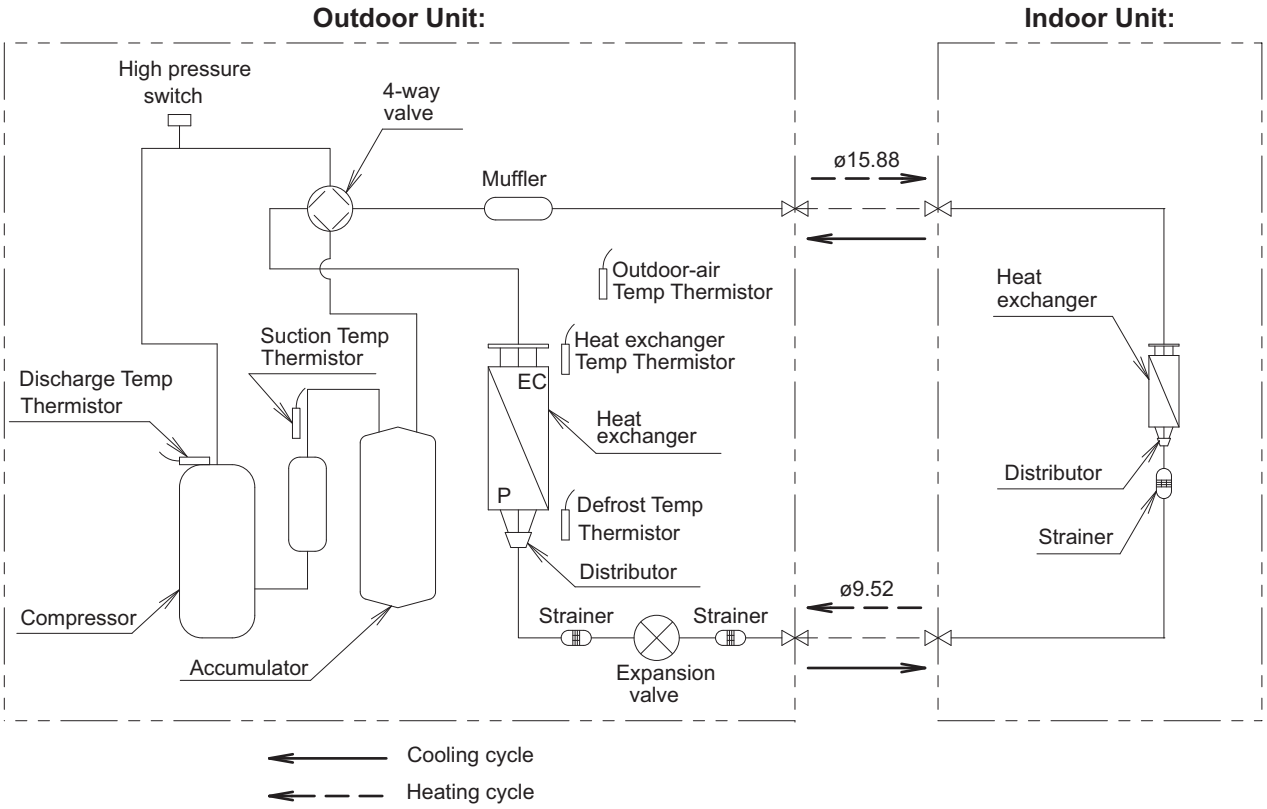


1-3. Refrigerant Flow Diagram

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

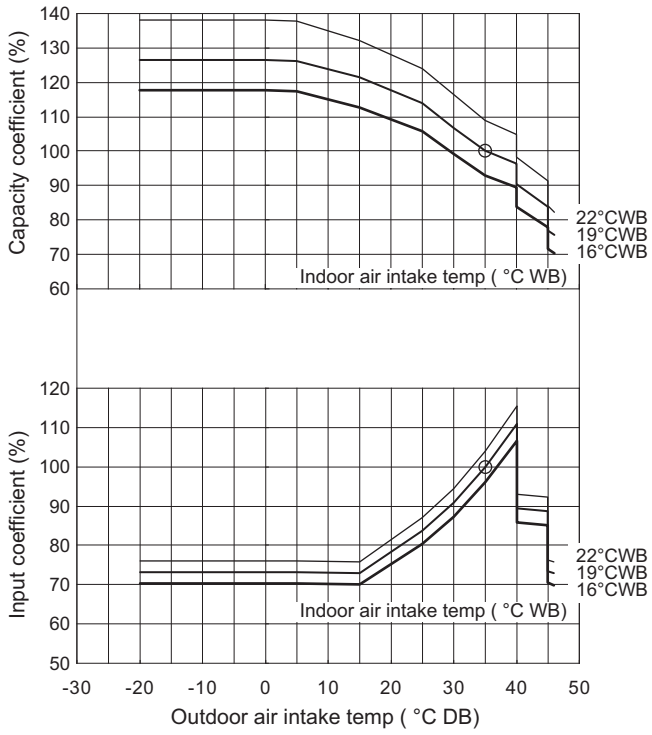
	Temperature	Indoor air intake temp.	Outdoor air intake temp.
Cooling	Maximum	32°C DB / 25°C WB	43°C DB
	Minimum	18°C DB / 14°C WB	-10°C DB
Heating	Maximum	30°C DB / − WB	24°C DB/18°C WB
	Minimum	16°C DB / − WB	-15°C DB / -15°C WB

1-5. Capacity Correction Graph According to Temperature Condition

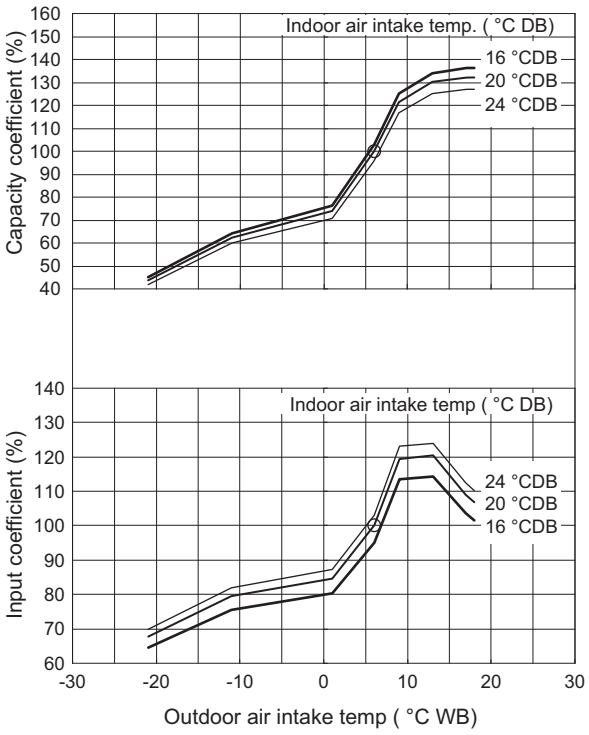
PE1

U-50PE1E5 (For 50 Hz)

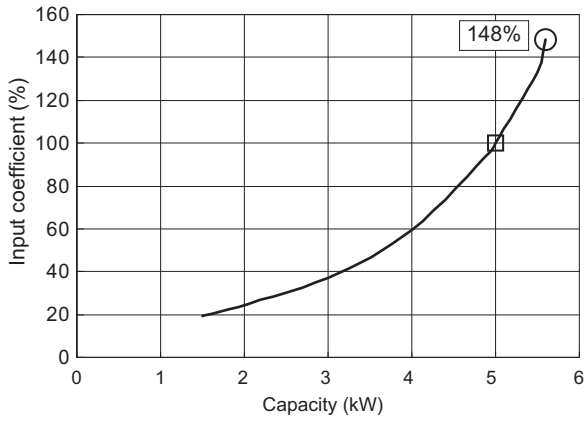
Cooling capacity ratio (maximum capacity)



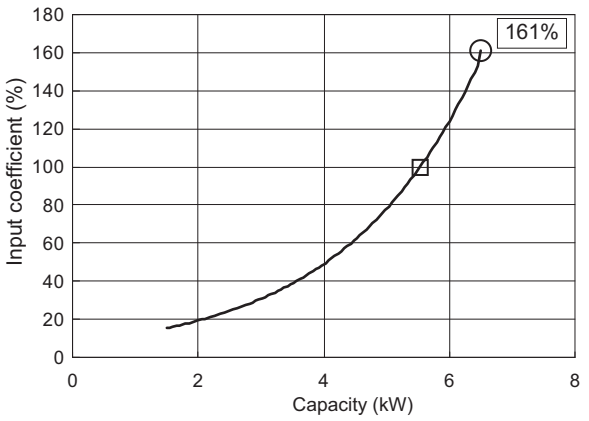
Heating capacity ratio (maximum capacity)



Cooling



Heating

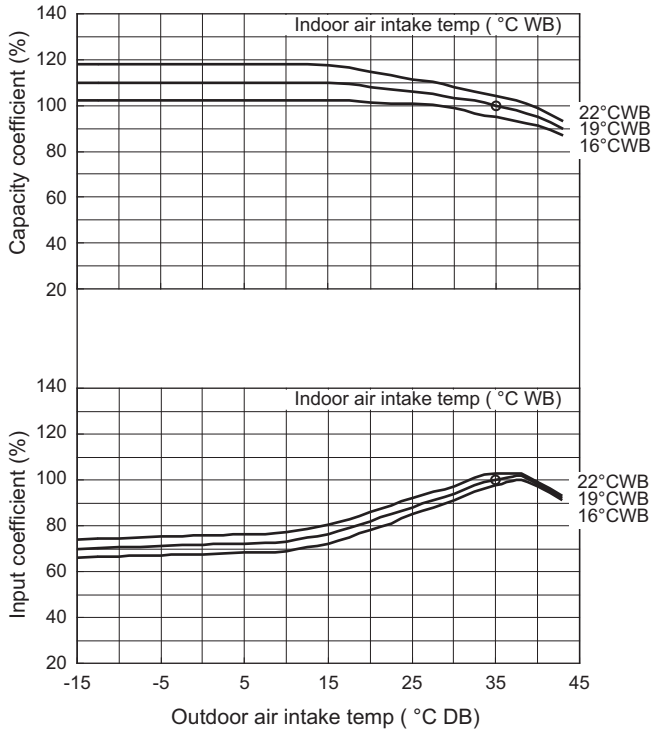


1-5. Capacity Correction Graph According to Temperature Condition

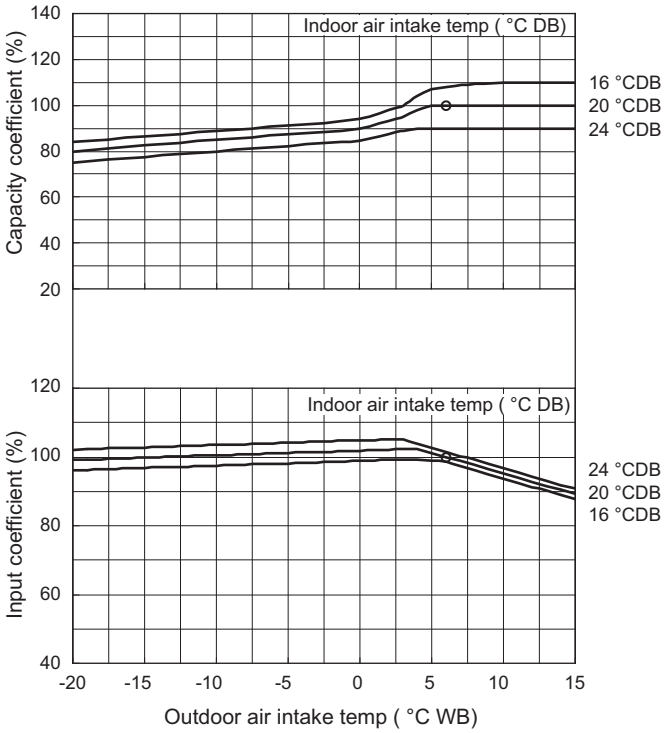
PE1

U-60PE1E5A (For 50 Hz)

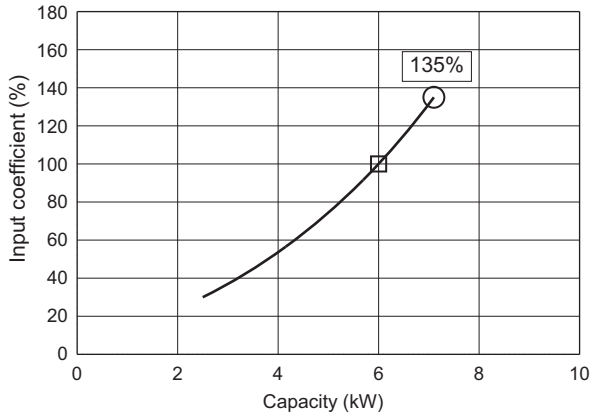
Cooling capacity ratio (maximum capacity)



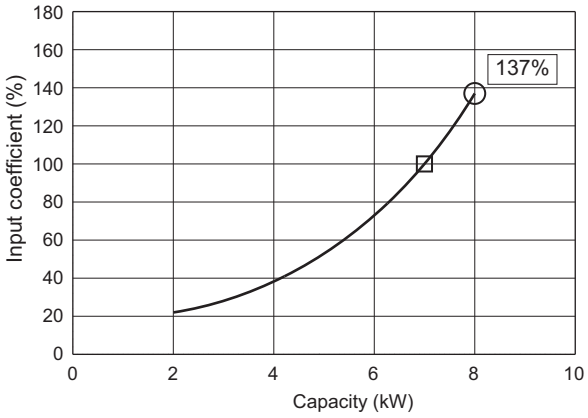
Heating capacity ratio (maximum capacity)



Cooling



Heating



Outdoor unit heating capacity correction cofficient 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

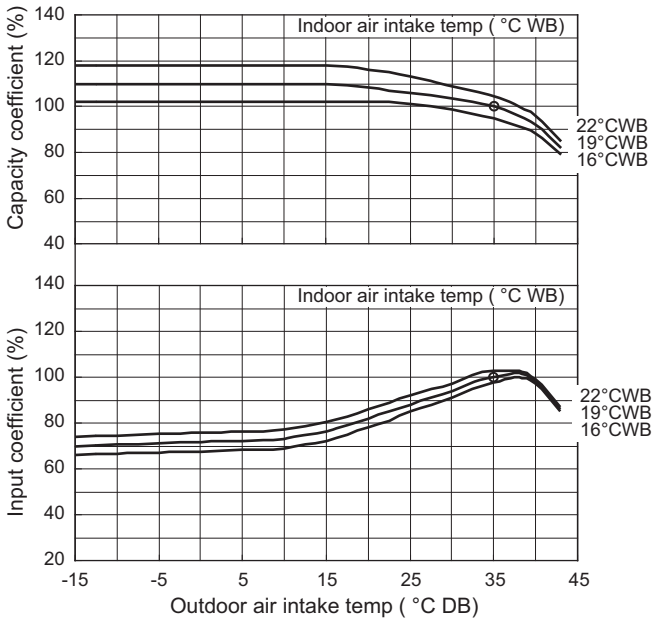
To calculate the heating capacity with consideration for frosting/defrosting operation, multiply the heating capacity found from the capacity graph by the correction coefficient from the table above.

1-5. Capacity Correction Graph According to Temperature Condition

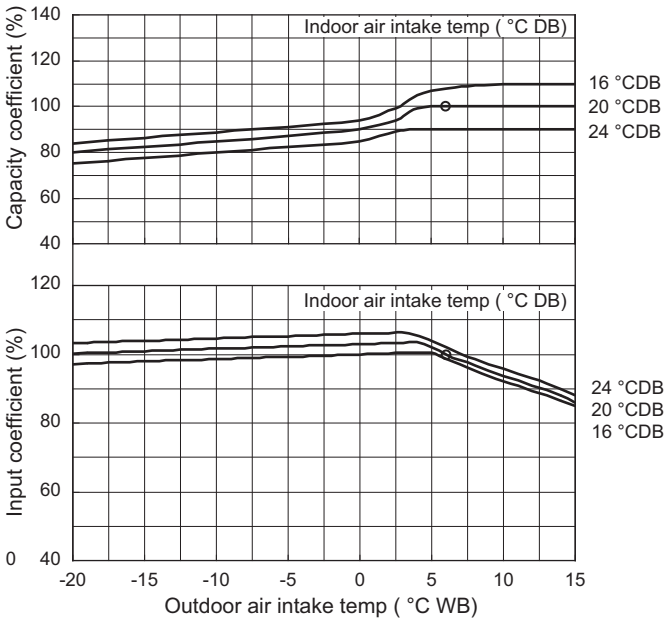
PE1

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

Cooling capacity ratio (maximum capacity)

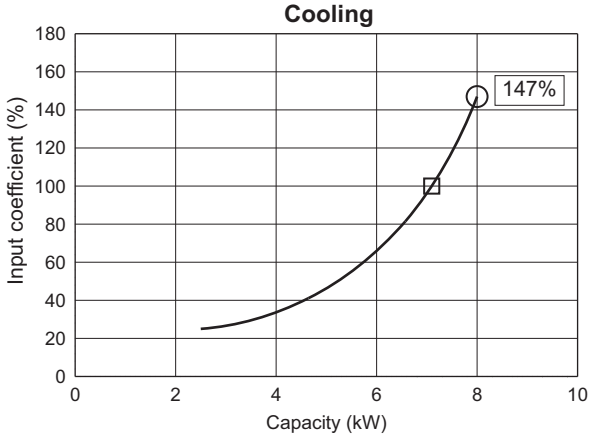


Heating capacity ratio (maximum capacity)

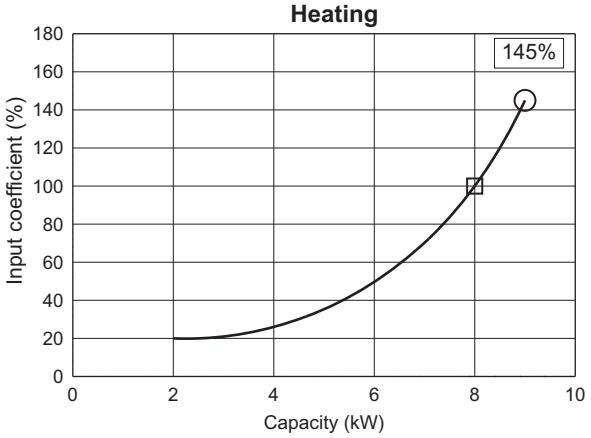


■ U-71PE1E5A (For 50 Hz)

Cooling

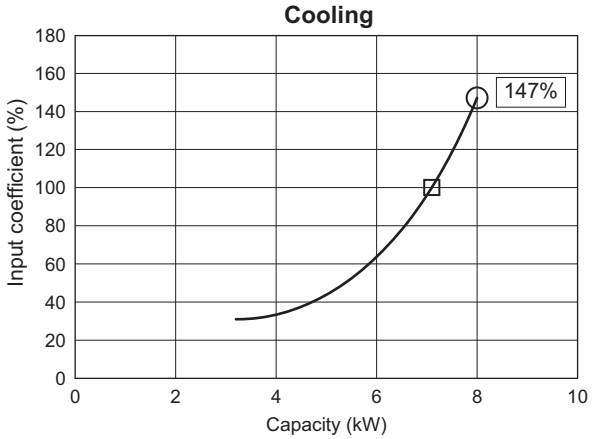


Heating

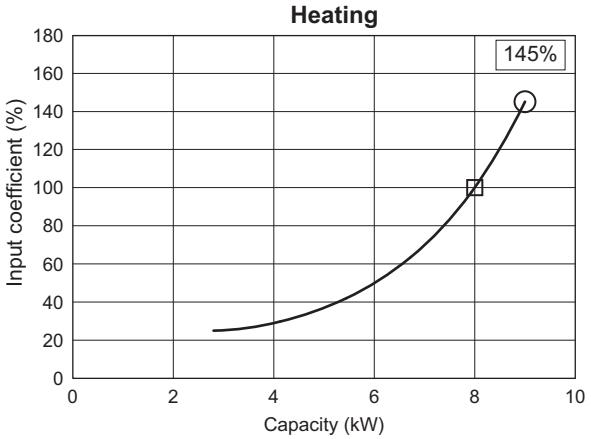


■ U-71PE1E8A (For 50 Hz)

Cooling



Heating



Outdoor unit heating capacity correction cofficient 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

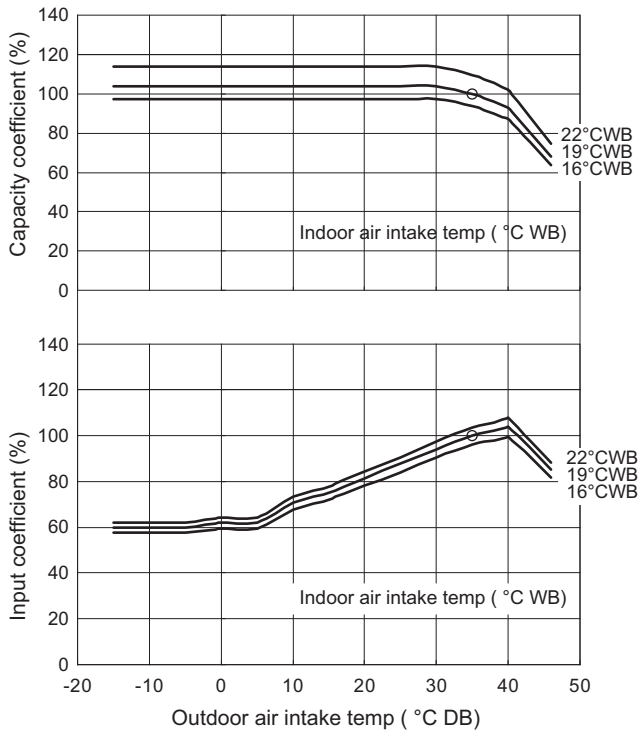
To calculate the heating capacity with consideration for frosting/defrosting operation, multiply the heating capacity found from the capacity graph by the correction coefficient from the table above.

1-5. Capacity Correction Graph According to Temperature Condition

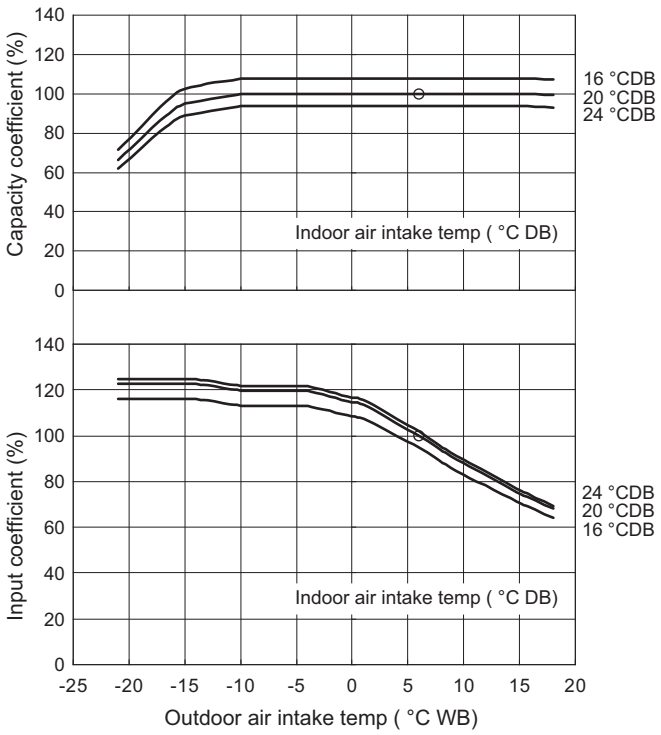
PE1

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

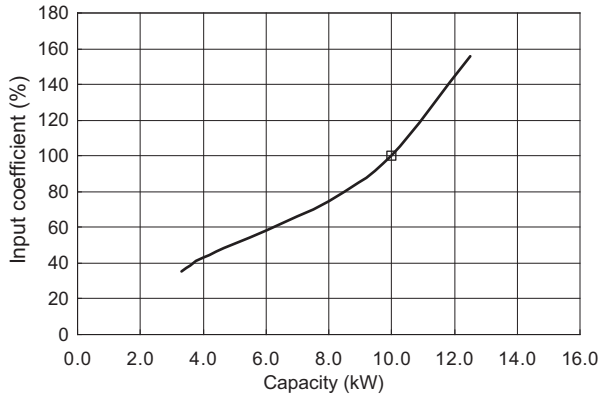
Cooling capacity ratio (maximum capacity)



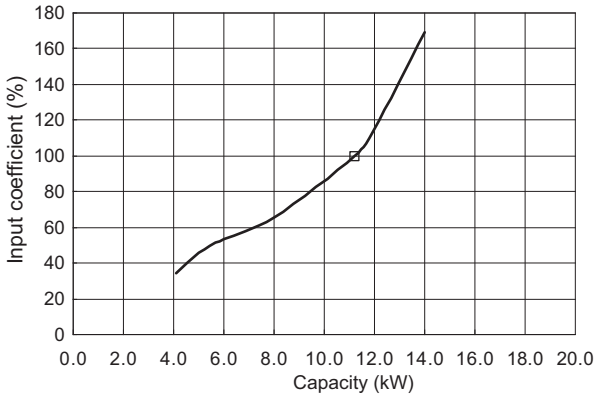
Heating capacity ratio (maximum capacity)



Cooling



Heating



Outdoor unit heating capacity correction cofficient 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

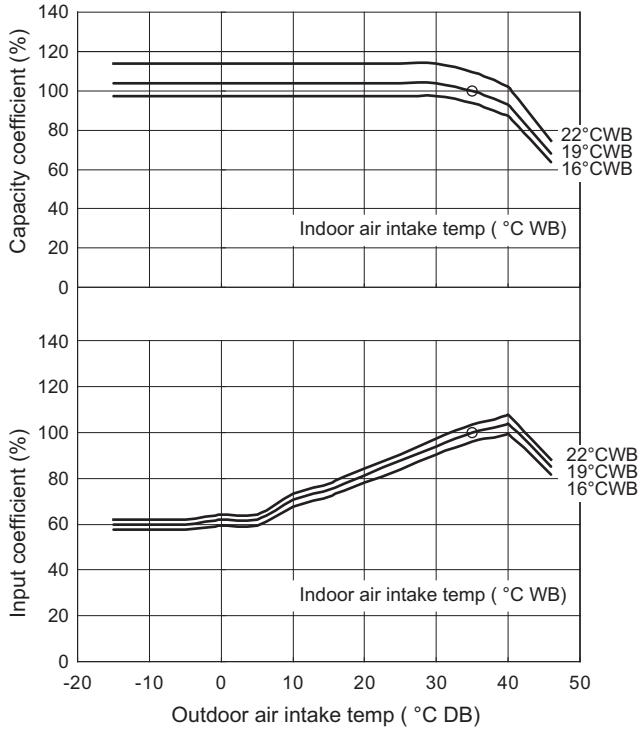
To calculate the heating capacity with consideration for frosting/defrosting operation, multiply the heating capacity found from the capacity graph by the correction coefficient from the table above.

1-5. Capacity Correction Graph According to Temperature Condition

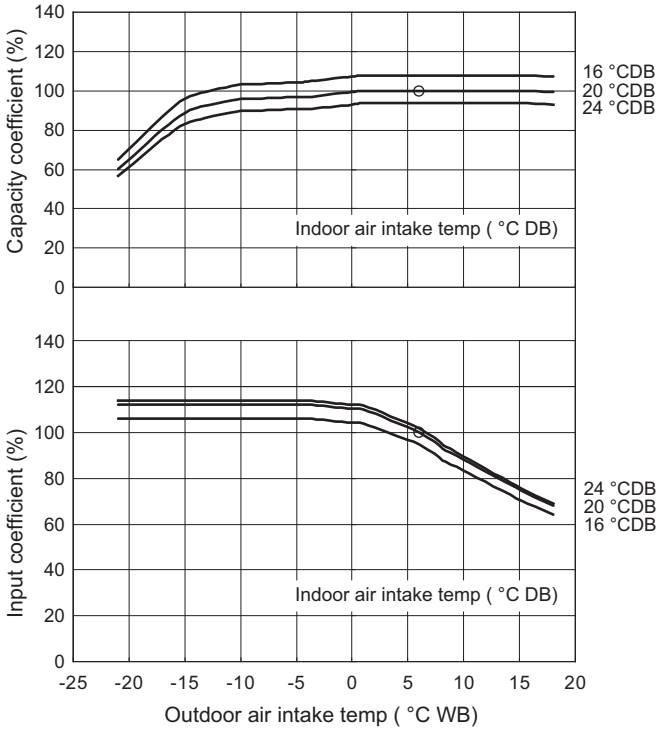
PE1

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

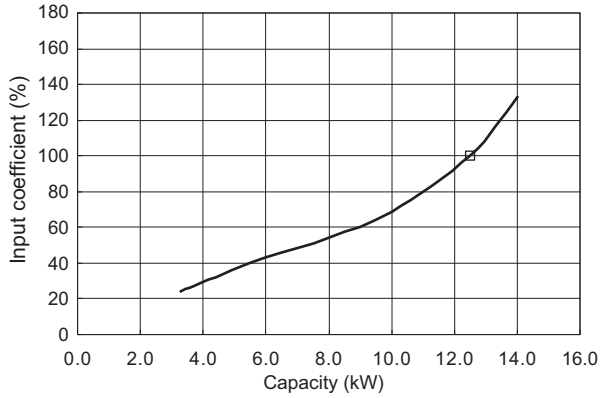
Cooling capacity ratio (maximum capacity)



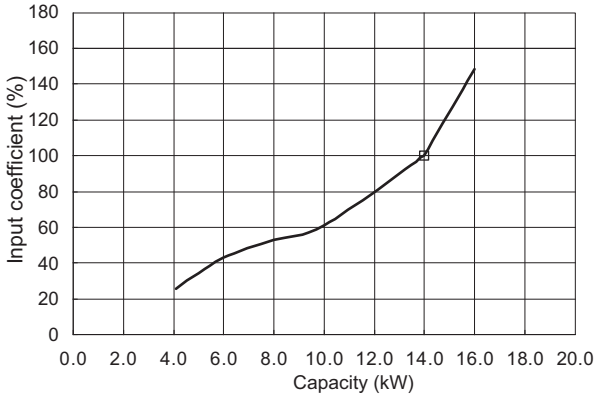
Heating capacity ratio (maximum capacity)



Cooling



Heating



Outdoor unit heating capacity correction cofficient 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

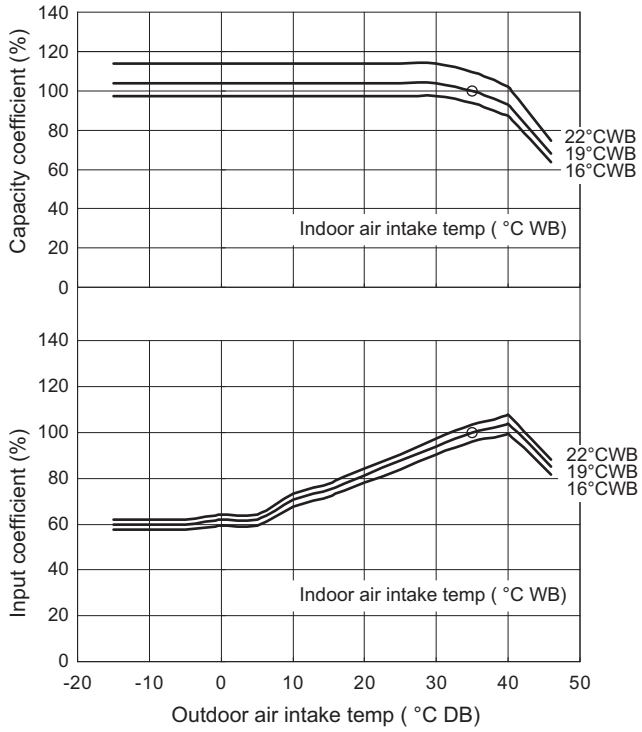
To calculate the heating capacity with consideration for frosting/defrosting operation, multiply the heating capacity found from the capacity graph by the correction coefficient from the table above.

1-5. Capacity Correction Graph According to Temperature Condition

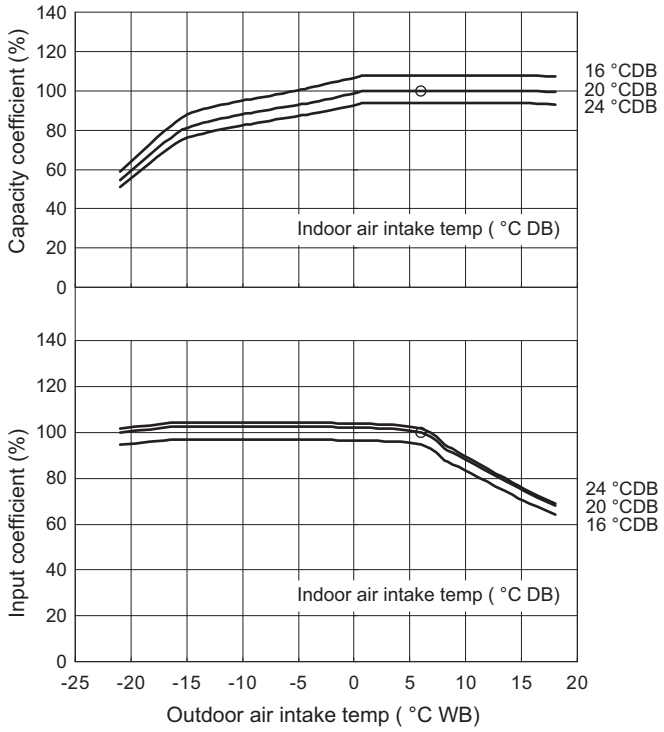
PE1

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

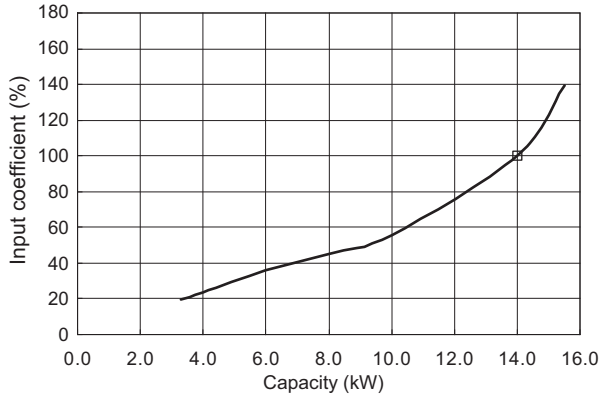
Cooling capacity ratio (maximum capacity)



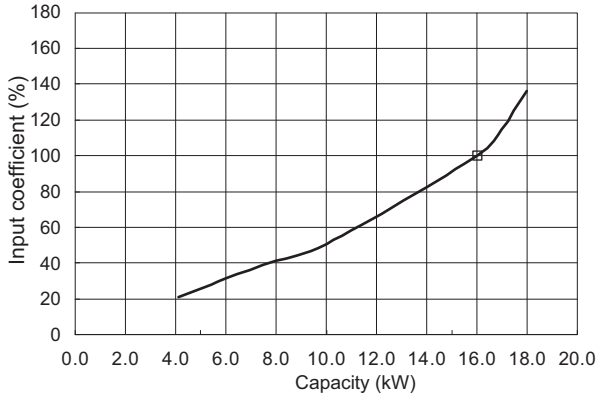
Heating capacity ratio (maximum capacity)



Cooling



Heating



Outdoor unit heating capacity correction cofficient 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

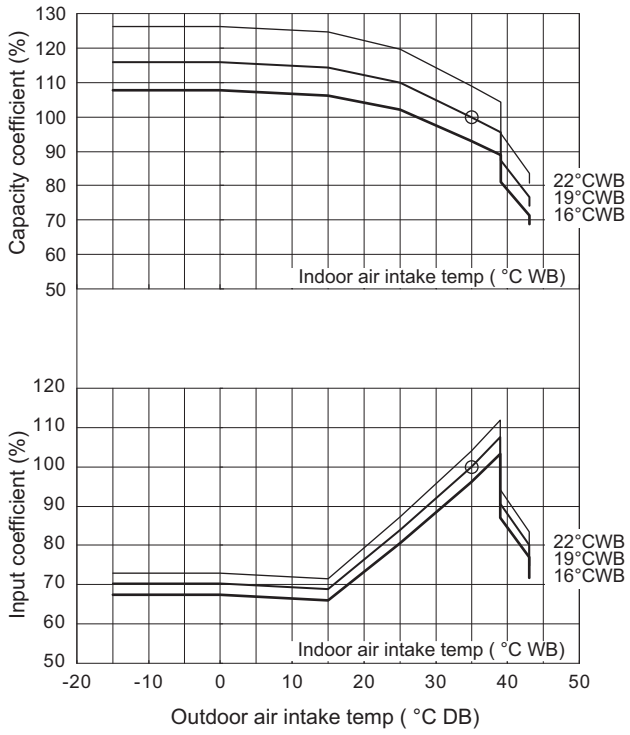
To calculate the heating capacity with consideration for frosting/defrosting operation, multiply the heating capacity found from the capacity graph by the correction coefficient from the table above.

1-5. Capacity Correction Graph According to Temperature Condition

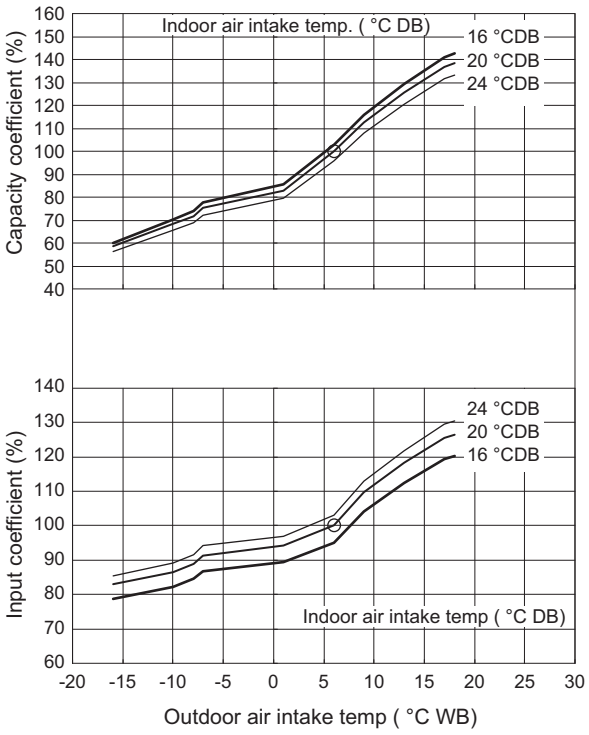
PEY1

U-60PEY1E5 (For 50 Hz)

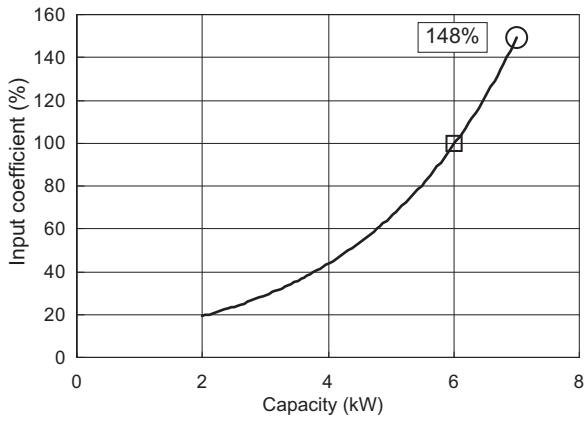
Cooling capacity ratio (maximum capacity)



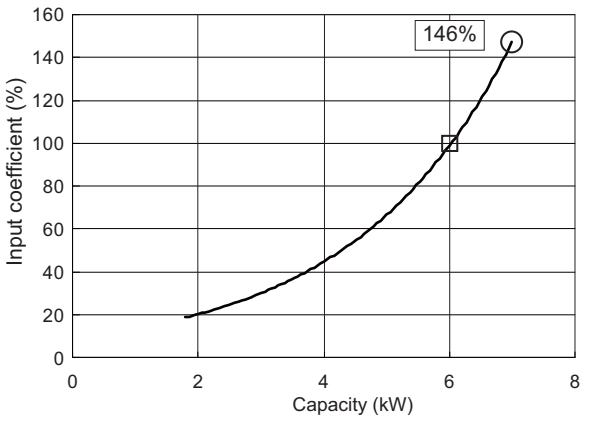
Heating capacity ratio (maximum capacity)



Cooling



Heating

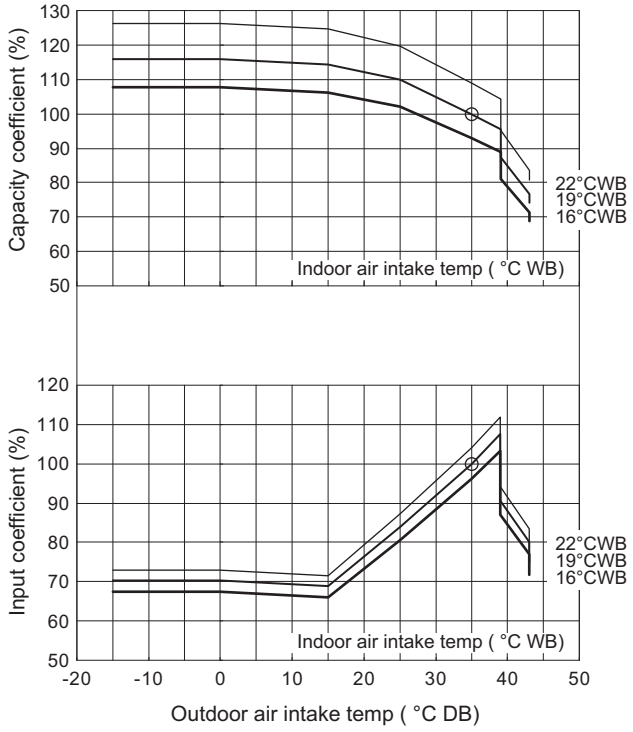


1-5. Capacity Correction Graph According to Temperature Condition

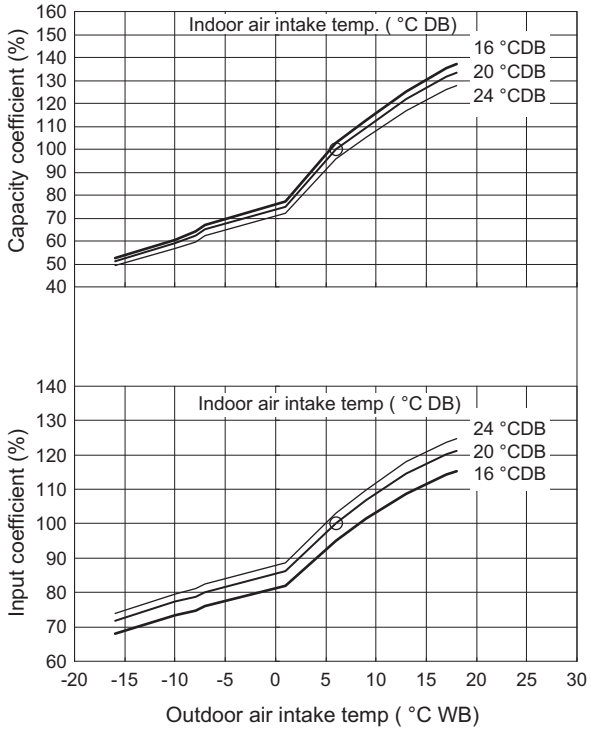
PEY1

U-71PEY1E5 (For 50 Hz)

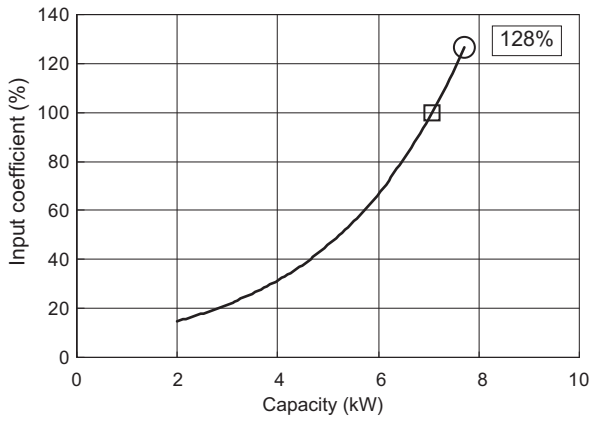
Cooling capacity ratio (maximum capacity)



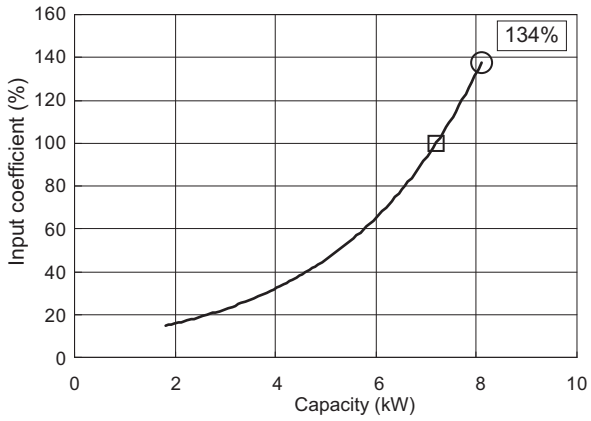
Heating capacity ratio (maximum capacity)



Cooling



Heating

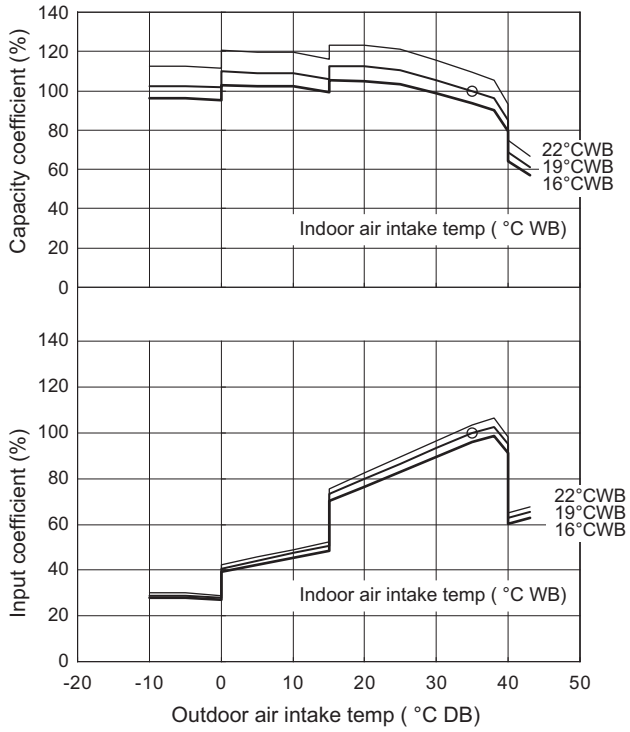


1-5. Capacity Correction Graph According to Temperature Condition

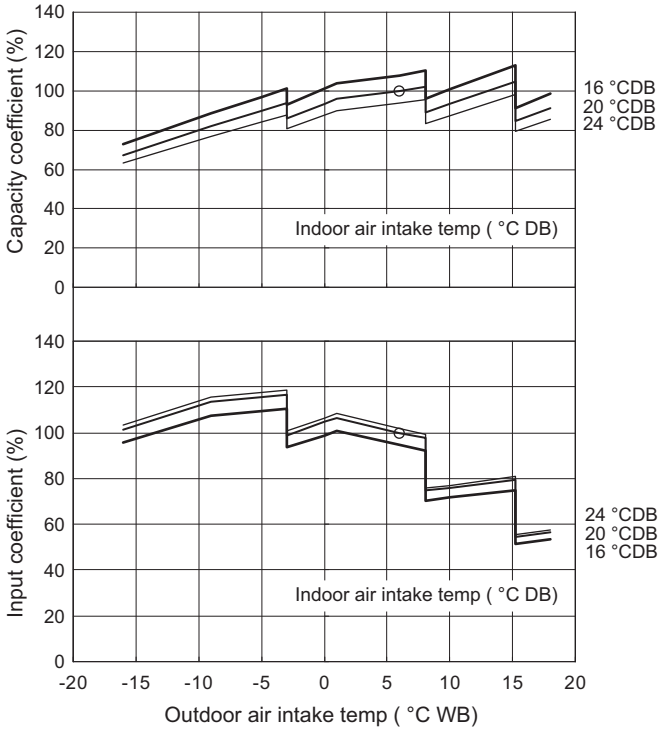
PEY1

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

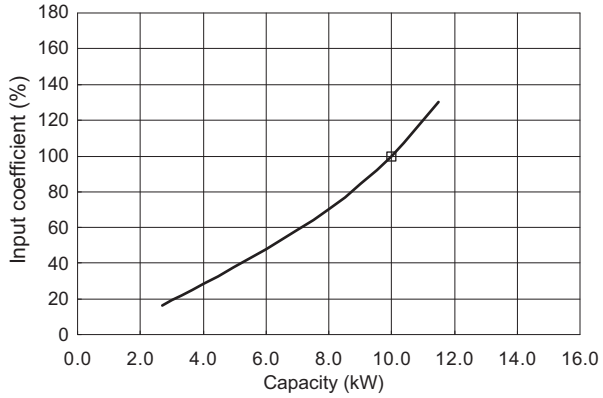
Cooling capacity ratio (maximum capacity)



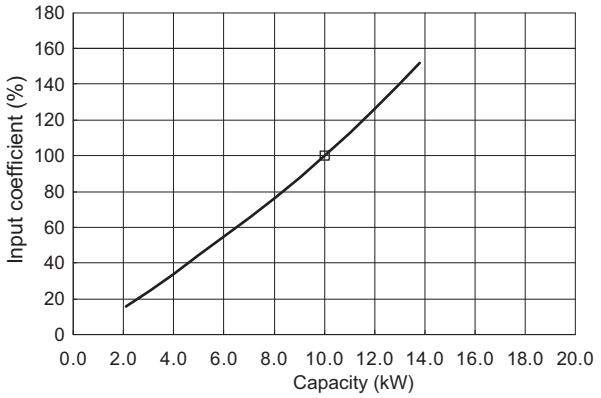
Heating capacity ratio (maximum capacity)



Cooling



Heating



Outdoor unit heating capacity correction cofficient 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

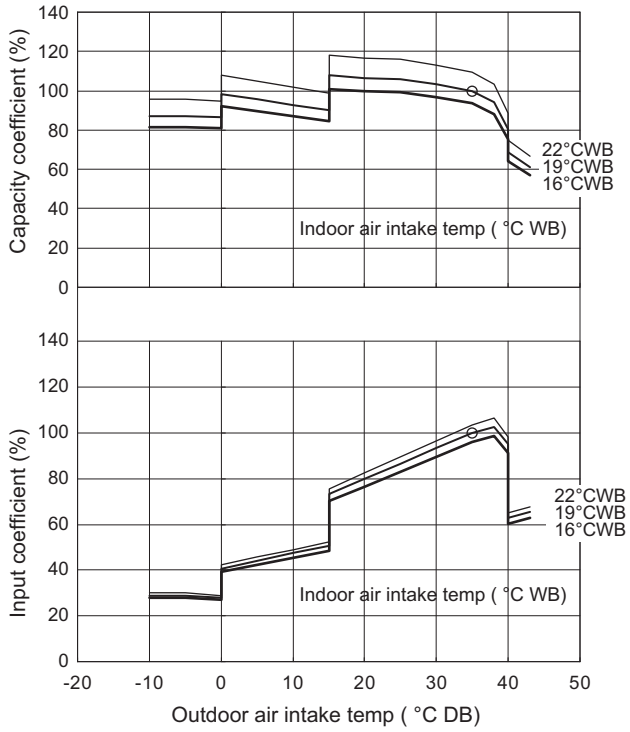
To calculate the heating capacity with consideration for frosting/defrosting operation, multiply the heating capacity found from the capacity graph by the correction coefficient from the table above.

1-5. Capacity Correction Graph According to Temperature Condition

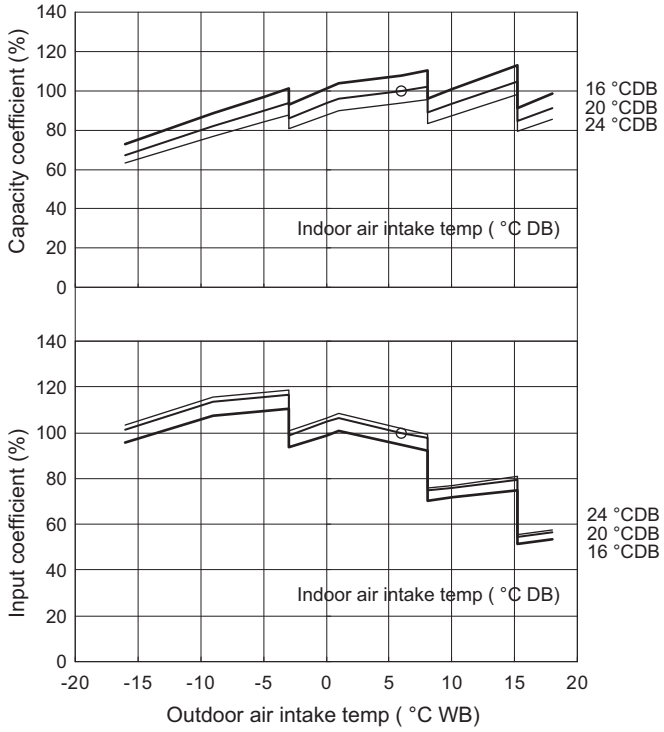
PEY1

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

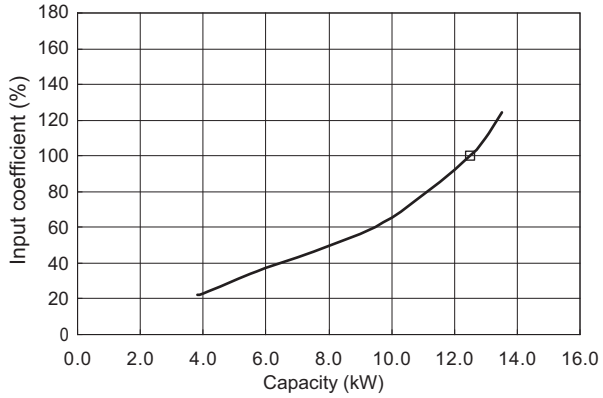
Cooling capacity ratio (maximum capacity)



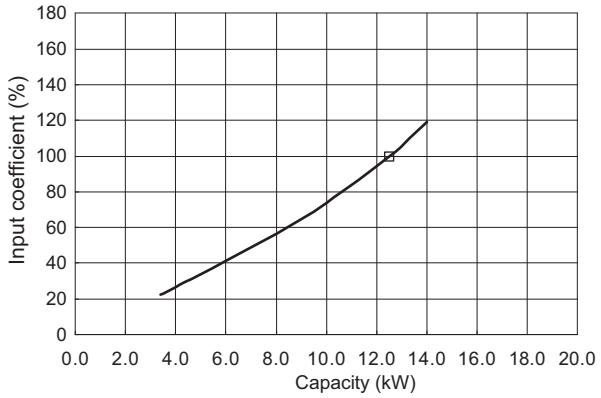
Heating capacity ratio (maximum capacity)



Cooling



Heating



Outdoor unit heating capacity correction cofficient 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

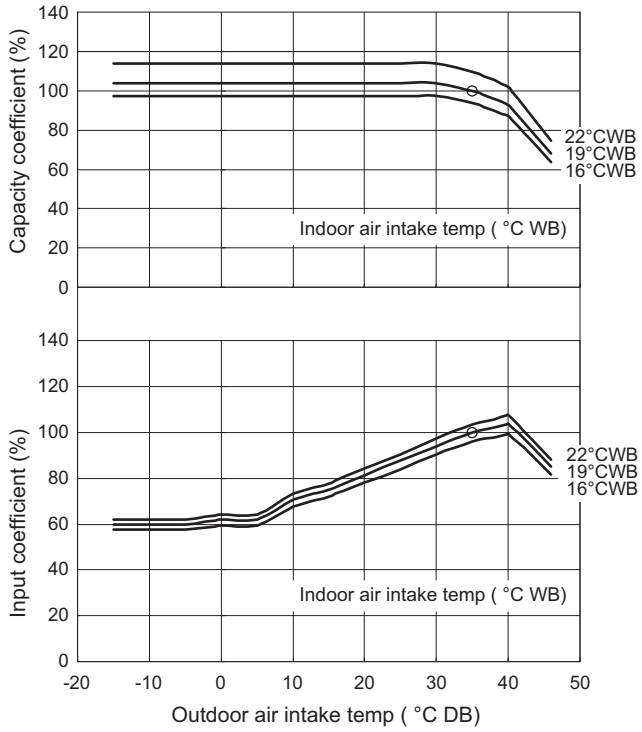
To calculate the heating capacity with consideration for frosting/defrosting operation, multiply the heating capacity found from the capacity graph by the correction coefficient from the table above.

1-5. Capacity Correction Graph According to Temperature Condition

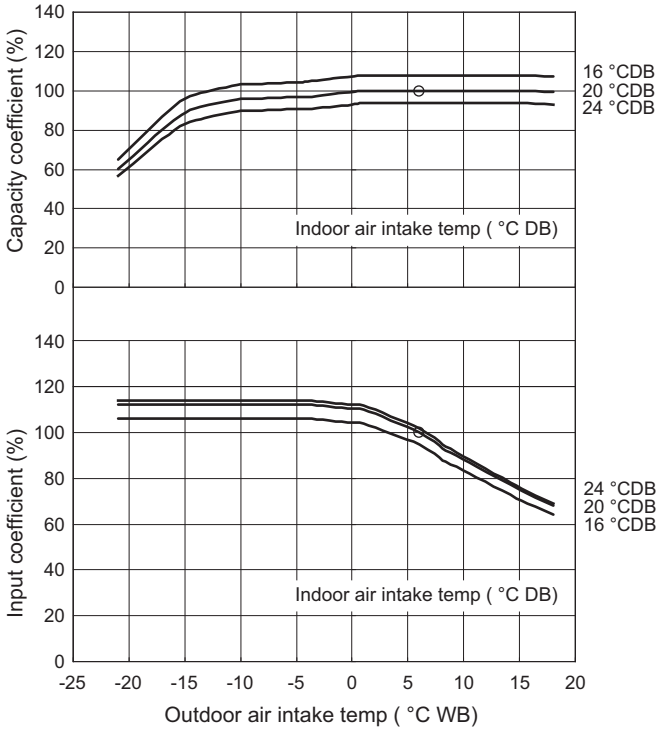
PEY1

U-140PEY1E8 (For 50 Hz)

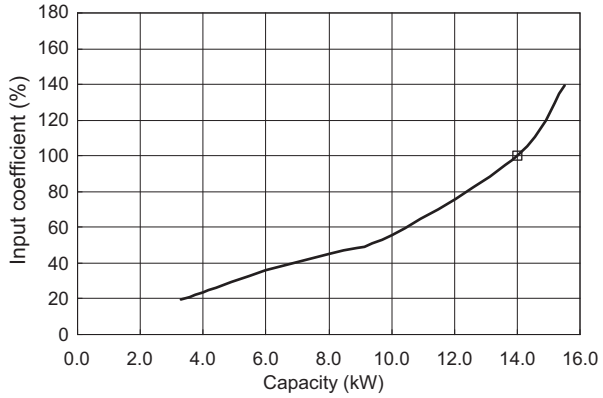
Cooling capacity ratio (maximum capacity)



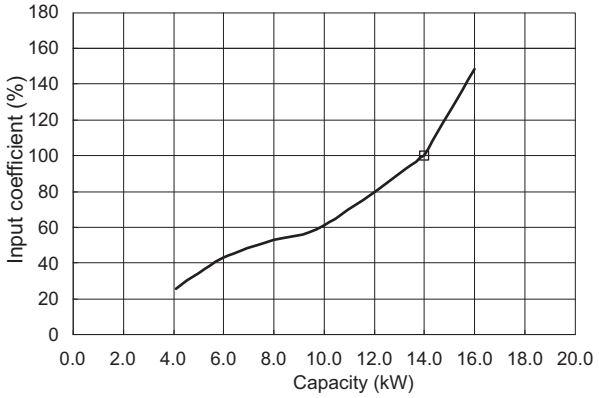
Heating capacity ratio (maximum capacity)



Cooling



Heating



Outdoor unit heating capacity correction cofficient 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

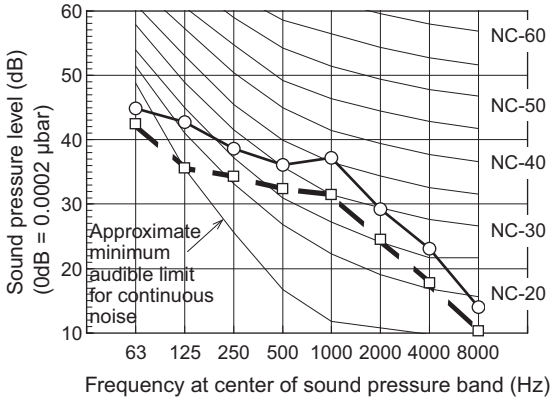
(A) Indoor Units

Ducted Type

High
Low

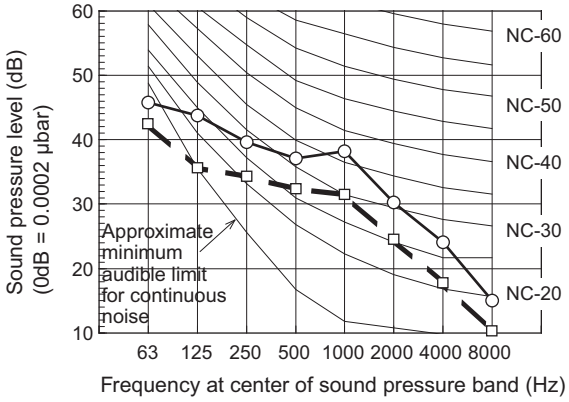
MODEL : S-36PN1E5A

SOUND LEVEL	: HIGH	40 dB(A)
	LOW	35 dB(A)
CONDITION	: Under the unit 1.5m	
SOURCE	: 220-230-240V , Single Phase , 50Hz	



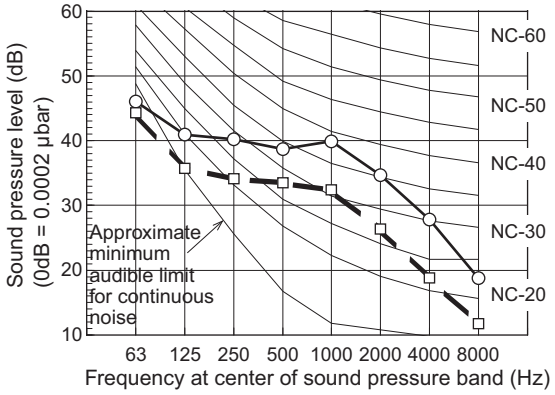
MODEL : S-45PN1E5A
S-50PN1E5A

SOUND LEVEL	: HIGH	41 dB(A)
	LOW	35 dB(A)
CONDITION	: Under the unit 1.5m	
SOURCE	: 220-230-240V , Single Phase , 50Hz	



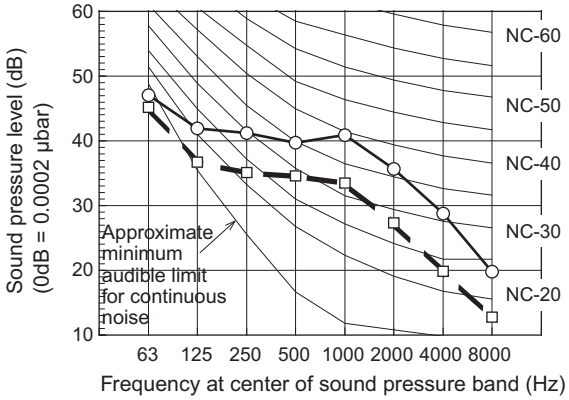
MODEL : S-60PN1E5A
S-71PN1E5A

SOUND LEVEL	: HIGH	43 dB(A)
	LOW	36 dB(A)
CONDITION	: Under the unit 1.5m	
SOURCE	: 220-230-240V , Single Phase , 50Hz	



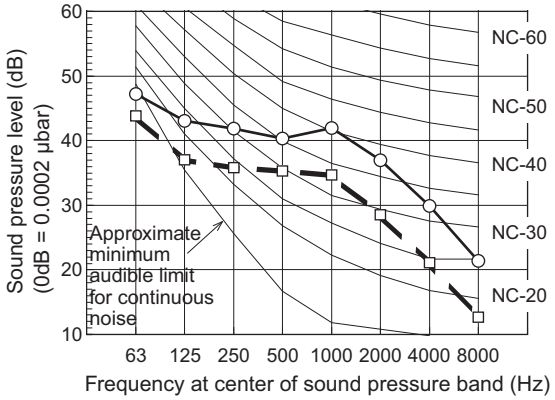
MODEL : S-100PN1E5A

SOUND LEVEL	: HIGH	44 dB(A)
	LOW	37 dB(A)
CONDITION	: Under the unit 1.5m	
SOURCE	: 220-230-240V , Single Phase , 50Hz	



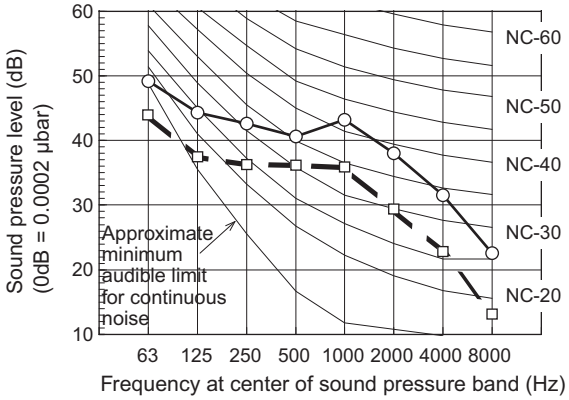
MODEL : S-125PN1E5A

SOUND LEVEL	: HIGH	45 dB(A)
	LOW	38 dB(A)
CONDITION	: Under the unit 1.5m	
SOURCE	: 220-230-240V , Single Phase , 50Hz	



MODEL : S-140PN1E5A

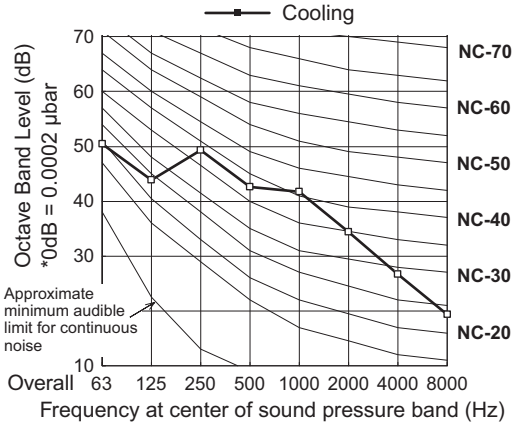
SOUND LEVEL	: HIGH	46 dB(A)
	LOW	39 dB(A)
CONDITION	: Under the unit 1.5m	
SOURCE	: 220-230-240V , Single Phase , 50Hz	



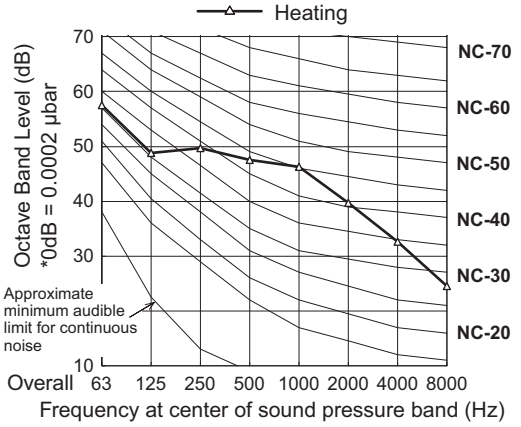
1-6. Noise Criterion Curves

(B) Outdoor Unit

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



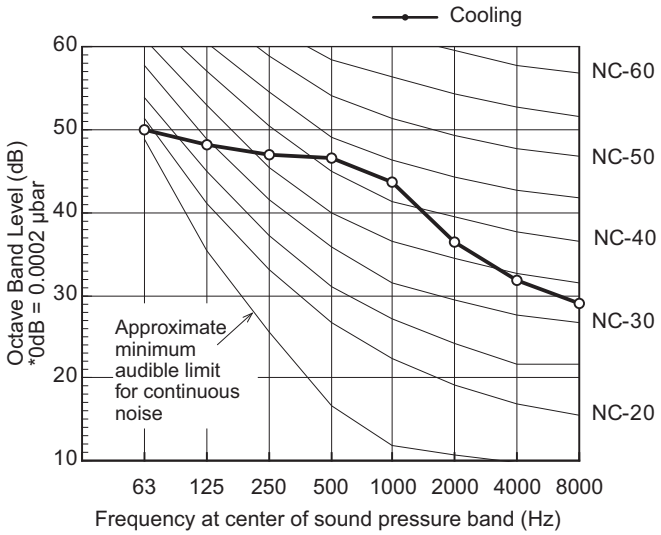
MODEL	: U-50PE1E5
SOUND LEVEL	: Heating 50 dB(A)
CONDITION	: 1 m in front at height of 1.5 m
SOURCE	: 220-230-240V, 1 phase, 50Hz



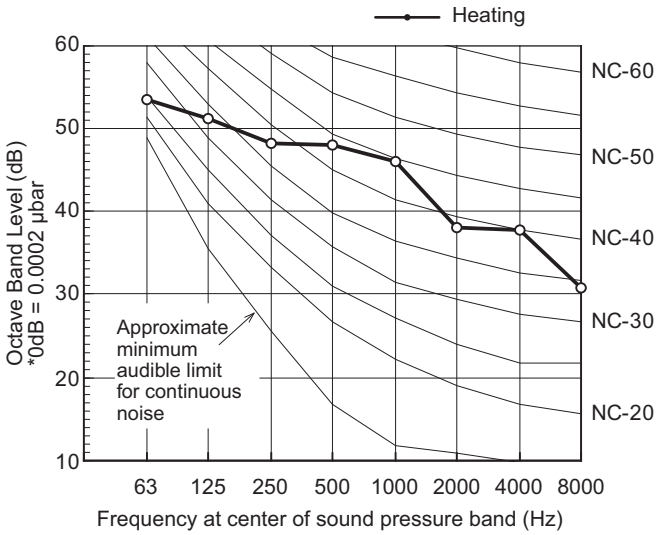
1-6. Noise Criterion Curves

(B) Outdoor Unit

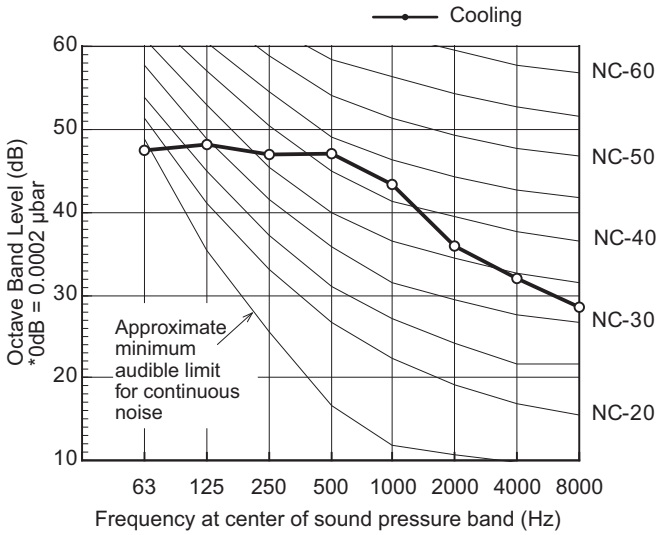
MODEL	: U-60PE1E5A
SOUND LEVEL	: Cooling 48 dB(A)
CONDITION	: 1 m in front at height of 1.5 m
SOURCE	: 220-230-240V, 1 phase, 50Hz



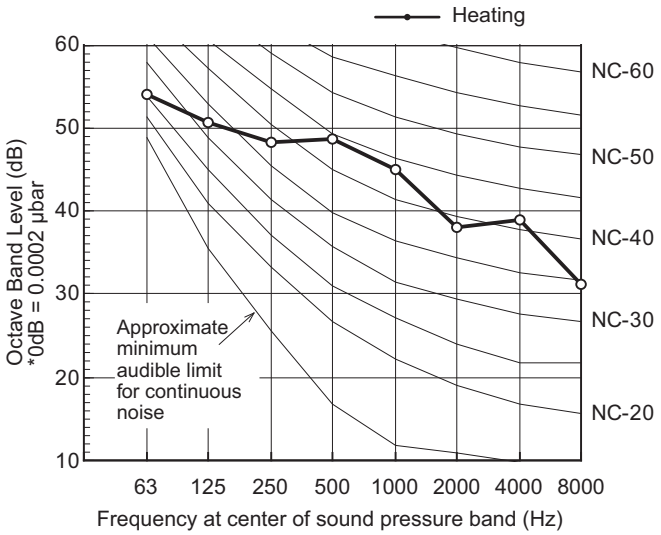
MODEL	: U-60PE1E5A
SOUND LEVEL	: Heating 50 dB(A)
CONDITION	: 1 m in front at height of 1.5 m
SOURCE	: 220-230-240V, 1 phase, 50Hz



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



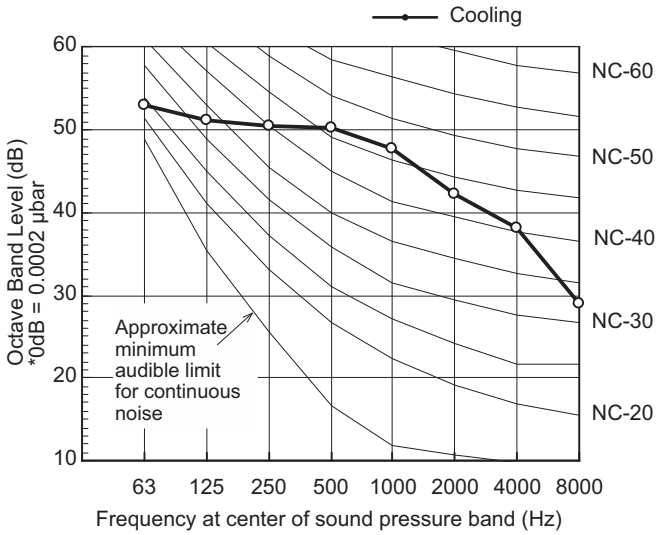
MODEL	: U-71PE1E5A, U-71PE1E8A	
SOUND LEVEL	: Heating 50 dB(A)	
CONDITION	: 1 m in front at height of 1.5 m	
SOURCE	1 phase model	: 220-230-240V, 1 phase, 50Hz
	3 phase model	: 380-400-415V, 3 phase, 50Hz



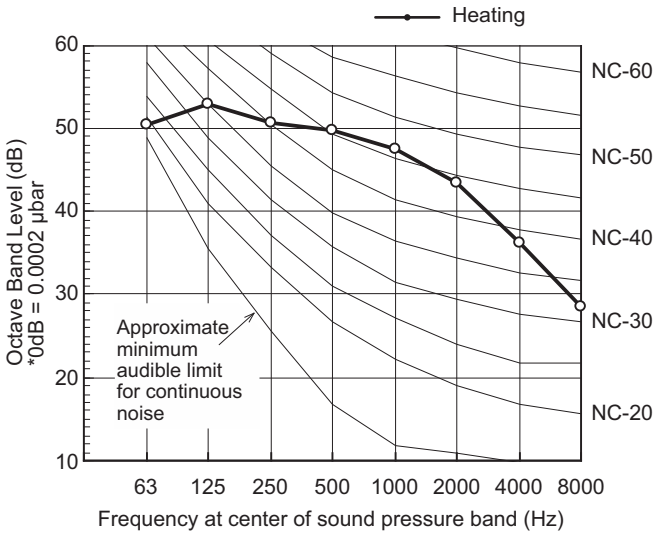
1-6. Noise Criterion Curves

(B) Outdoor Unit

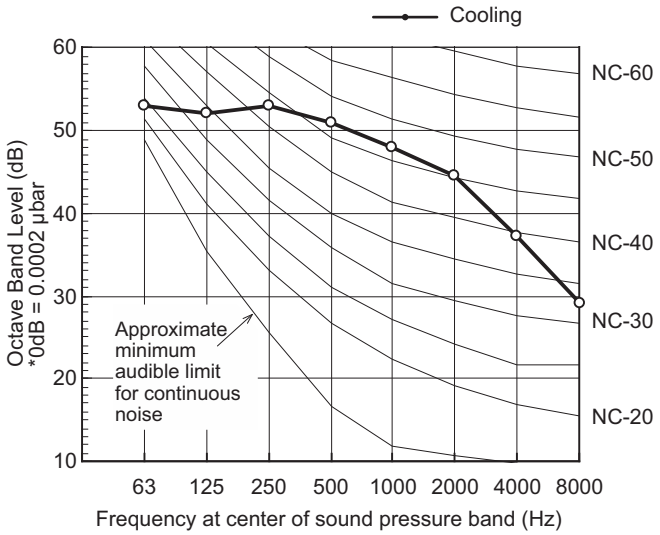
MODEL	: U-100PE1E5A, U-100PE1E8A
SOUND LEVEL	: Cooling 52 dB(A)
CONDITION	: 1 m in front at height of 1.5 m
SOURCE	1 phase model : 220-230-240V, 1 phase, 50Hz
	3 phase model : 380-400-415V, 3 phase, 50Hz



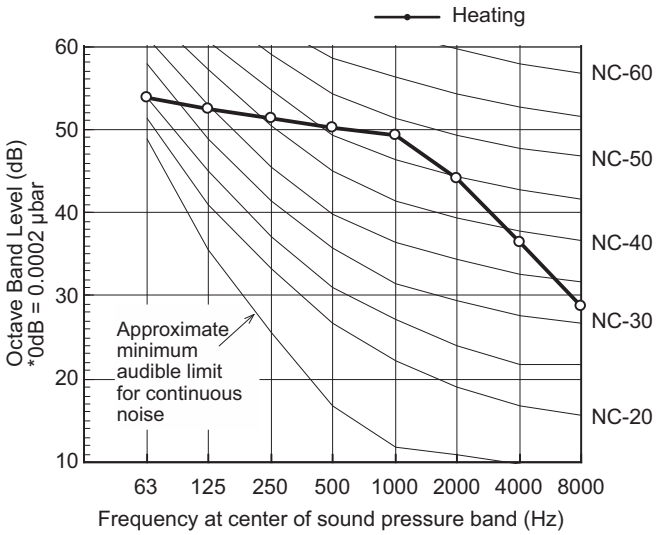
MODEL	: U-100PE1E5A, U-100PE1E8A
SOUND LEVEL	: Heating 52 dB(A)
CONDITION	: 1 m in front at height of 1.5 m
SOURCE	1 phase model : 220-230-240V, 1 phase, 50Hz
	3 phase model : 380-400-415V, 3 phase, 50Hz



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



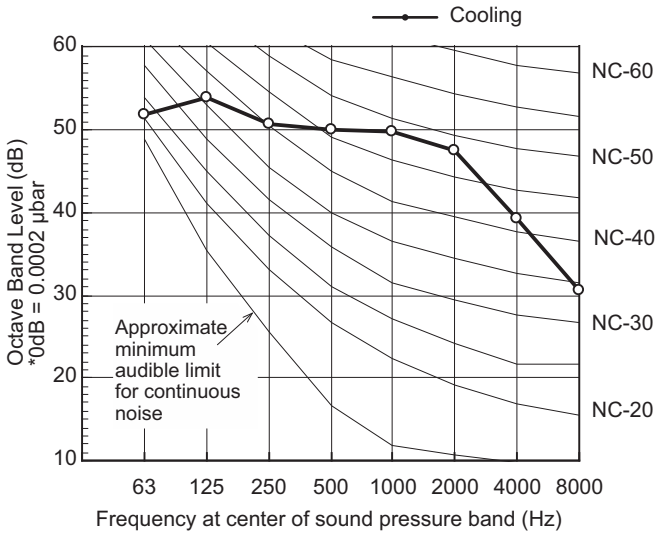
MODEL	: U-125PE1E5A, U-125PE1E8A
SOUND LEVEL	: Heating 53 dB(A)
CONDITION	: 1 m in front at height of 1.5 m
SOURCE	1 phase model : 220-230-240V, 1 phase, 50Hz
	3 phase model : 380-400-415V, 3 phase, 50Hz



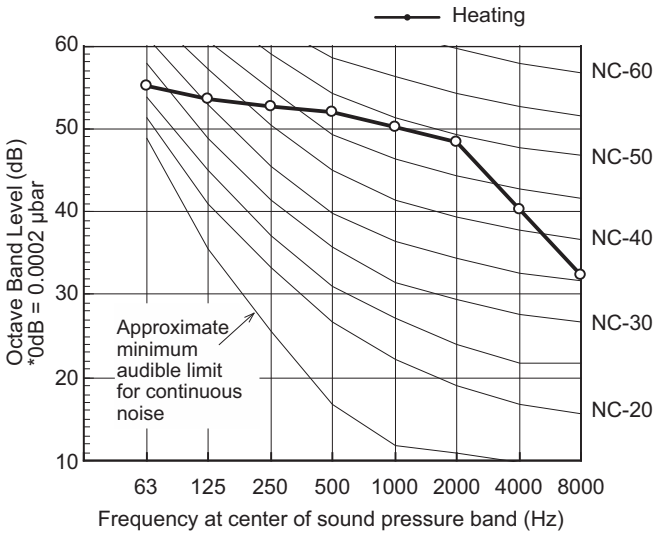
1-6. Noise Criterion Curves

(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



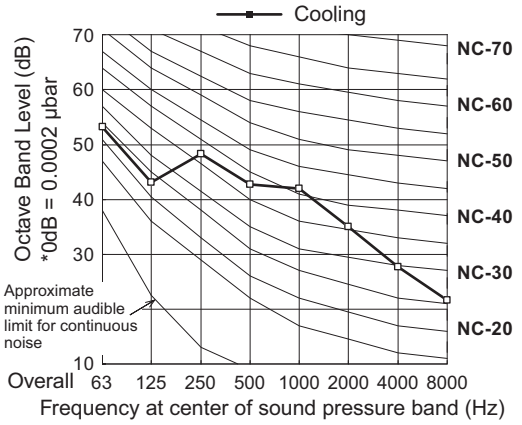
MODEL	: U-140PE1E5A, U-140PE1E8A
SOUND LEVEL	: Heating 55 dB(A)
CONDITION	: 1 m in front at height of 1.5 m
SOURCE	1 phase model : 220-230-240V, 1 phase, 50Hz
	3 phase model : 380-400-415V, 3 phase, 50Hz



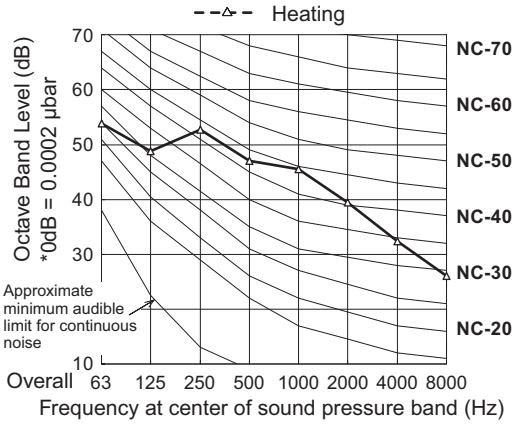
1-6. Noise Criterion Curves

(B) Outdoor Unit

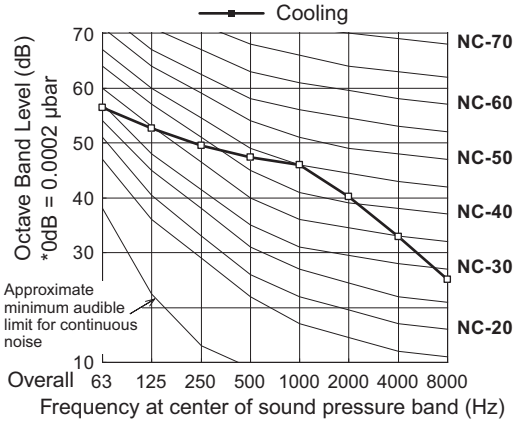
MODEL	: U-60PEY1E5
SOUND LEVEL	: Cooling 46 dB(A)
CONDITION	: 1 m in front at height of 1.5 m
SOURCE	: 220-230-240V, 1 phase, 50Hz



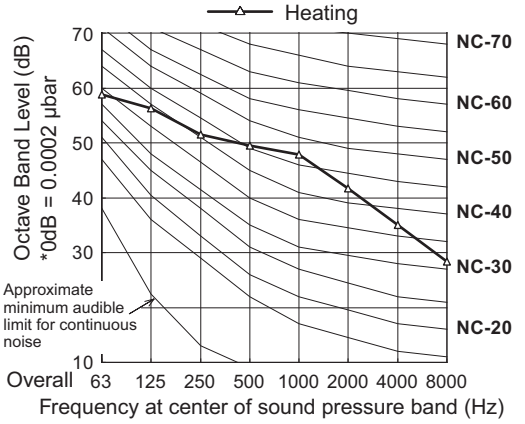
MODEL	: U-60PEY1E5
SOUND LEVEL	: Heating 50 dB(A)
CONDITION	: 1 m in front at height of 1.5 m
SOURCE	: 220-230-240V, 1 phase, 50Hz



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



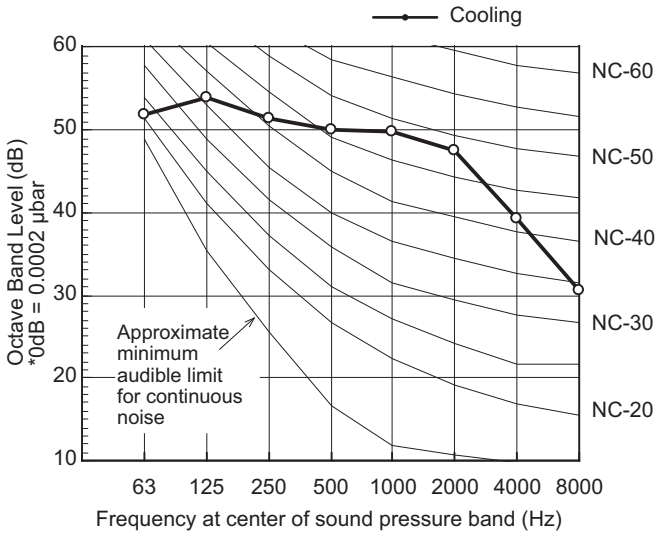
MODEL	: U-71PEY1E5
SOUND LEVEL	: Heating 52 dB(A)
CONDITION	: 1 m in front at height of 1.5 m
SOURCE	: 220-230-240V, 1 phase, 50Hz



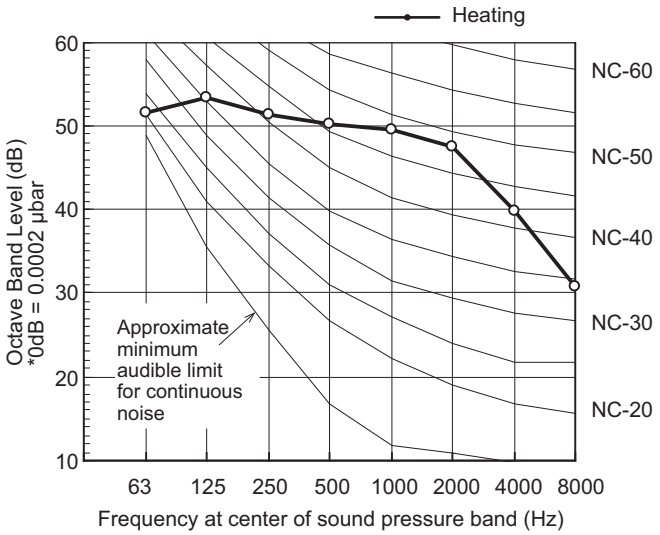
1-6. Noise Criterion Curves

(B) Outdoor Unit

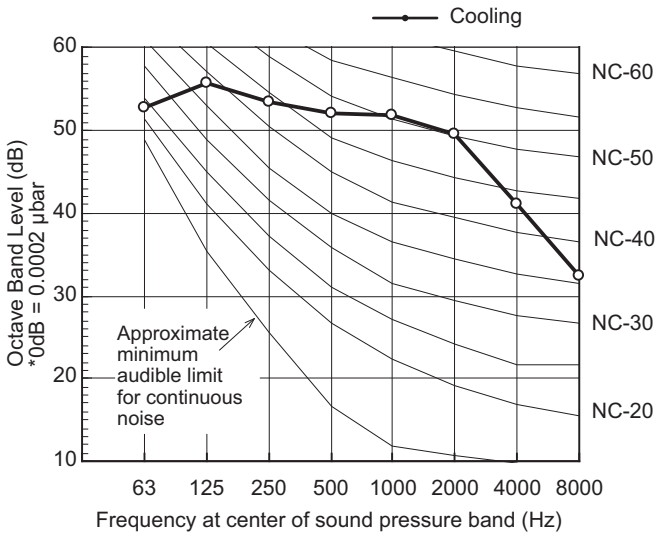
MODEL	: U-100PEY1E5, U-100PEY1E8
SOUND LEVEL	: Cooling 54 dB(A)
CONDITION	: 1 m in front at height of 1.5 m
SOURCE	1 phase model : 220-230-240V, 1 phase, 50Hz
	3 phase model : 380-400-415V, 3 phase, 50Hz



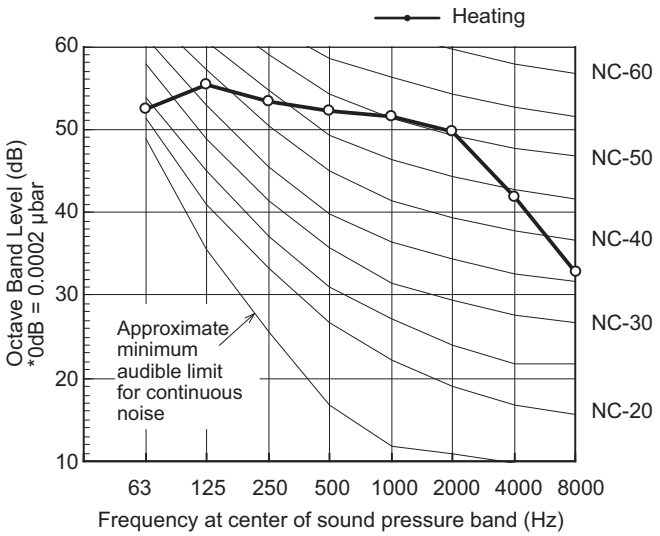
MODEL	: U-100PEY1E5, U-100PEY1E8
SOUND LEVEL	: Heating 54 dB(A)
CONDITION	: 1 m in front at height of 1.5 m
SOURCE	1 phase model : 220-230-240V, 1 phase, 50Hz
	3 phase model : 380-400-415V, 3 phase, 50Hz



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



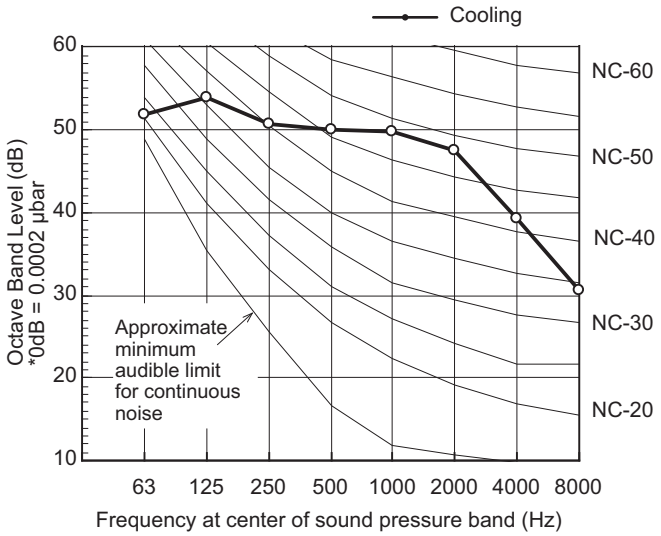
MODEL	: U-125PEY1E5, U-125PEY1E8
SOUND LEVEL	: Heating 56 dB(A)
CONDITION	: 1 m in front at height of 1.5 m
SOURCE	1 phase model : 220-230-240V, 1 phase, 50Hz
	3 phase model : 380-400-415V, 3 phase, 50Hz



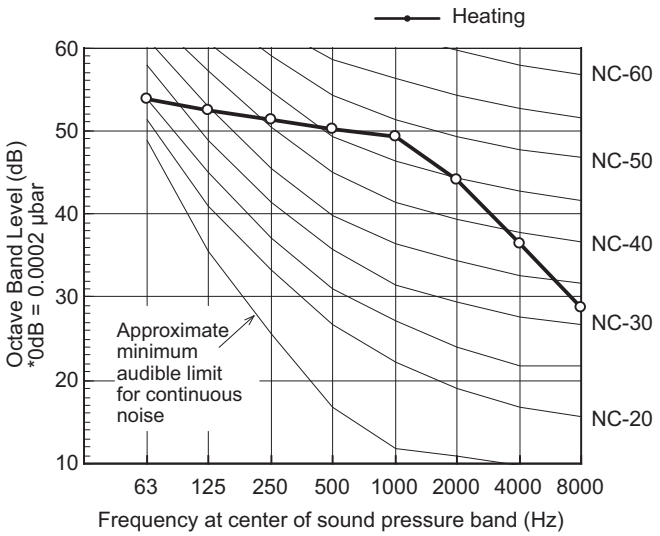
1-6. Noise Criterion Curves

(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



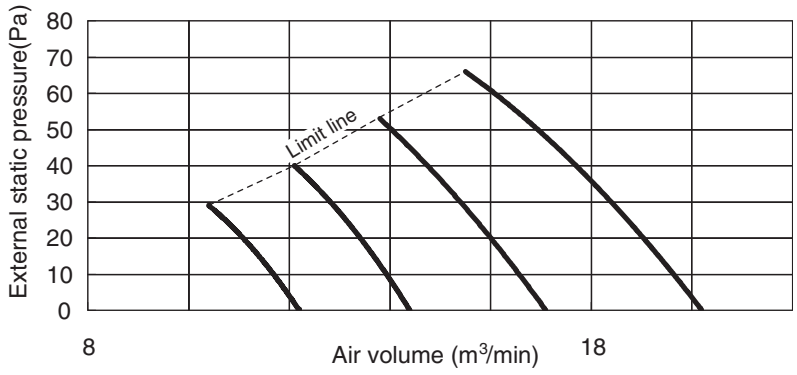
MODEL	: U-140PEY1E8
SOUND LEVEL	: Heating 53 dB(A)
CONDITION	: 1 m in front at height of 1.5 m
SOURCE	: 380-400-415V, 3 phase, 50Hz



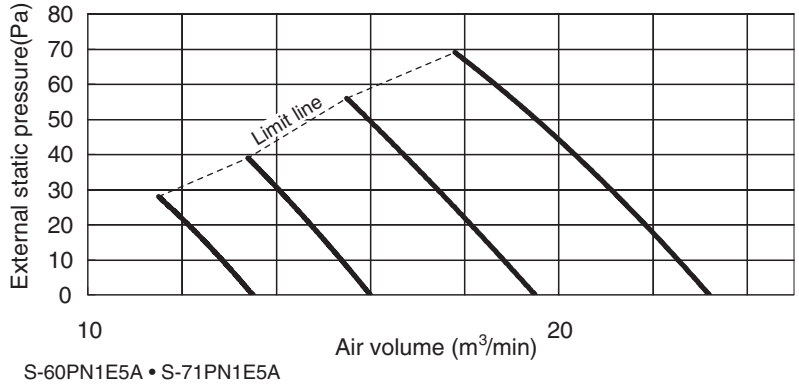
1-7. Indoor Fan Performance

External Static Pressure Setting for AC Fan Motor Model
To apply to following models
■ S-36PN1E5A , S-45PN1E5A , S-50PN1E5A
There are two tap connector located in indoor unit control box can be selected.
The "blue connector" is standard tap ,use-as-is at shipment.
For high static pressure duct ,switch Fan Motor connector to plug in boost tap
"white connector" to elevate air volume.

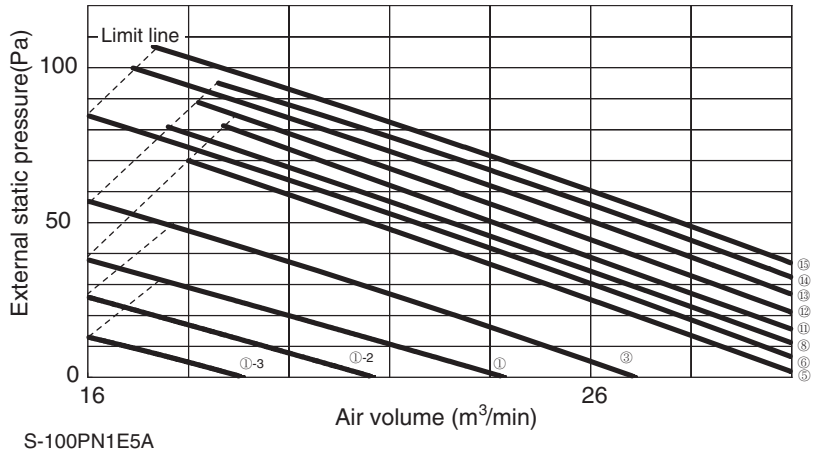
S-36PN1E5A P-Q CURVE



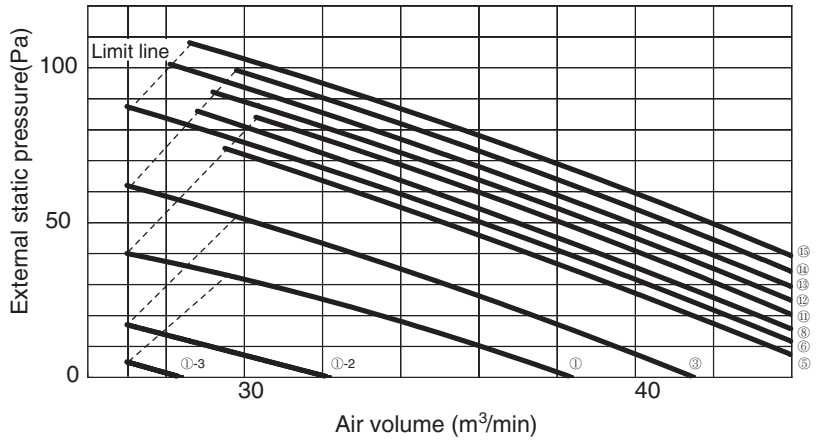
S-45PN1E5A, S-50PN1E5A P-Q CURVE



S-60PN1E5A • S-71PN1E5A



S-100PN1E5A



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 2.5 mm²	Time delay fuse or circuit capacity
U1	Max. 130 m	10-16 A

Indoor unit

Type	(B) Power supply 2.5 mm²	Time delay fuse or circuit capacity
K1	Max.150 m	10A
F1	Max.130 m	10A
T2, N1	Max.130 m	10-16A

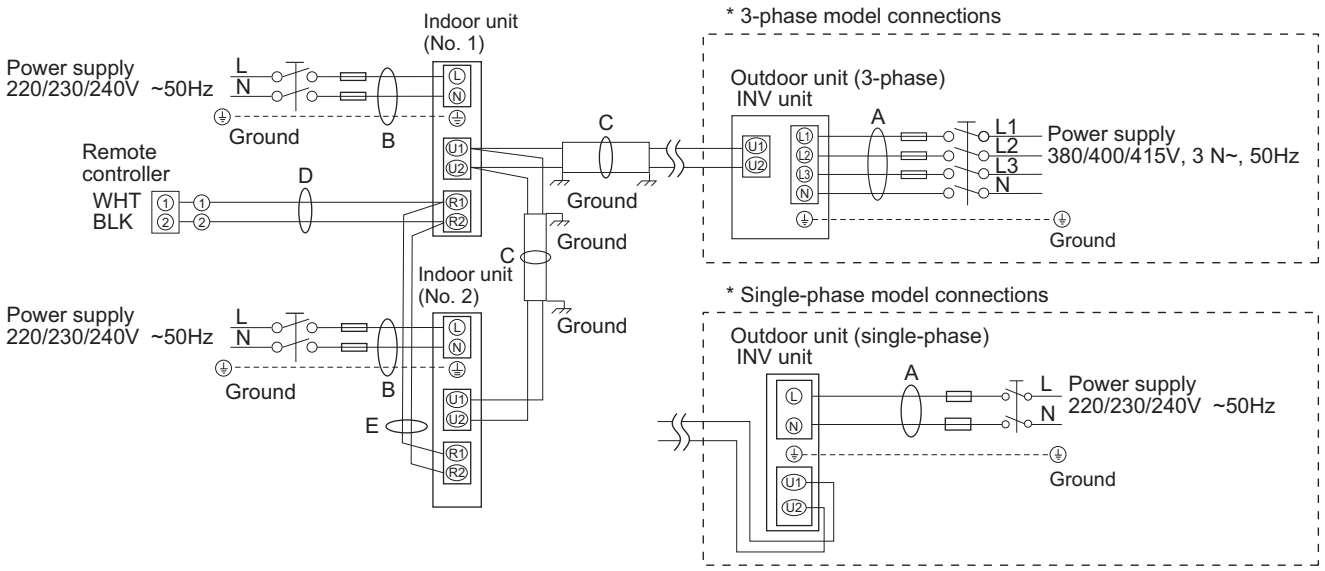
Control wiring

(C) Inter-unit (between outdoor and indoor units) control wiring	(D) Remote control wiring	(E) Control wiring for group control
0.75 mm² (AWG #18) **Use shielded wiring***	0.75 mm² (AWG #18)	0.75 mm² (AWG #18)
Max. 1,000 m	Max. 500 m	Max. 200 m (Total)

NOTE

* With ring-type wire terminal.

■ Wiring System Diagrams



NOTE

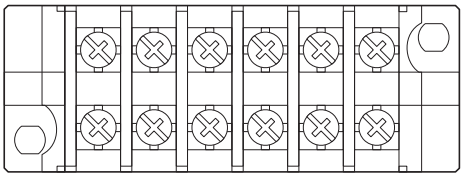
(1) Refer to “Recommended Wire Length and Wire Diameter for Power Supply System” for the explanation of “A”, “B”, “C”, “D” and “E” in the above diagram.

(2) The basic connection diagram of the indoor unit shows the terminal boards, so the terminal boards in your equipment may differ from the diagram.

(3) Refrigerant Circuit (R.C.) address should be set before turning the power on.

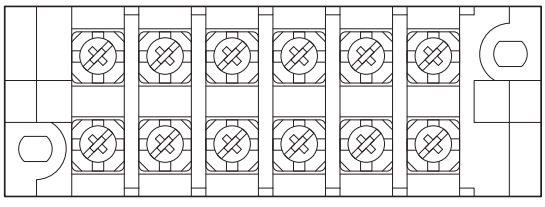
(4) Regarding R.C. address setting, refer to the installation instructions supplied with the remote controller (optional). Auto address setting can be executed by remote controller automatically. Refer to the installation instructions supplied with the remote controller (optional).

6P terminal board



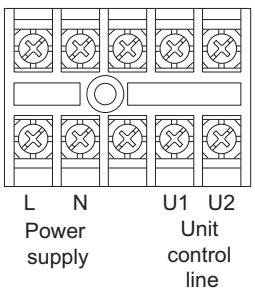
U1 Type

6P terminal board



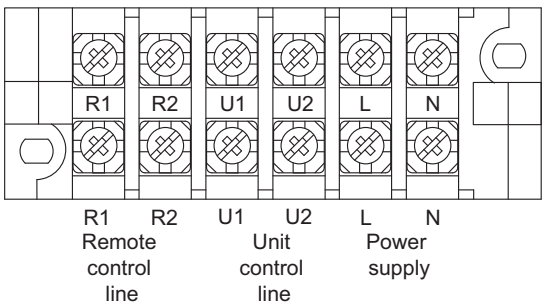
T2, F1 Type

5P terminal board



K1 Type

6P terminal board

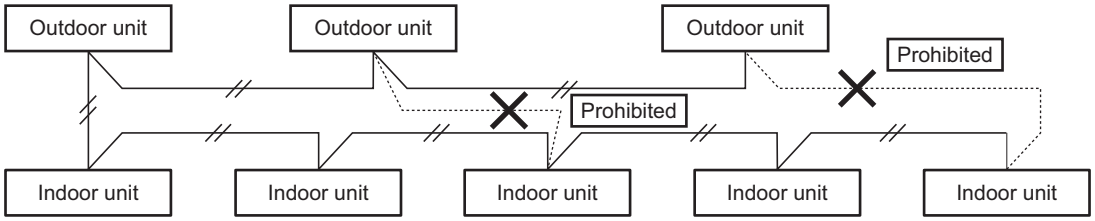


N1Type

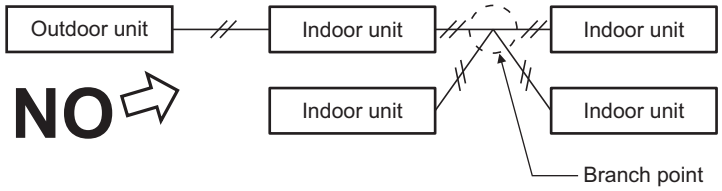
CAUTION

(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.

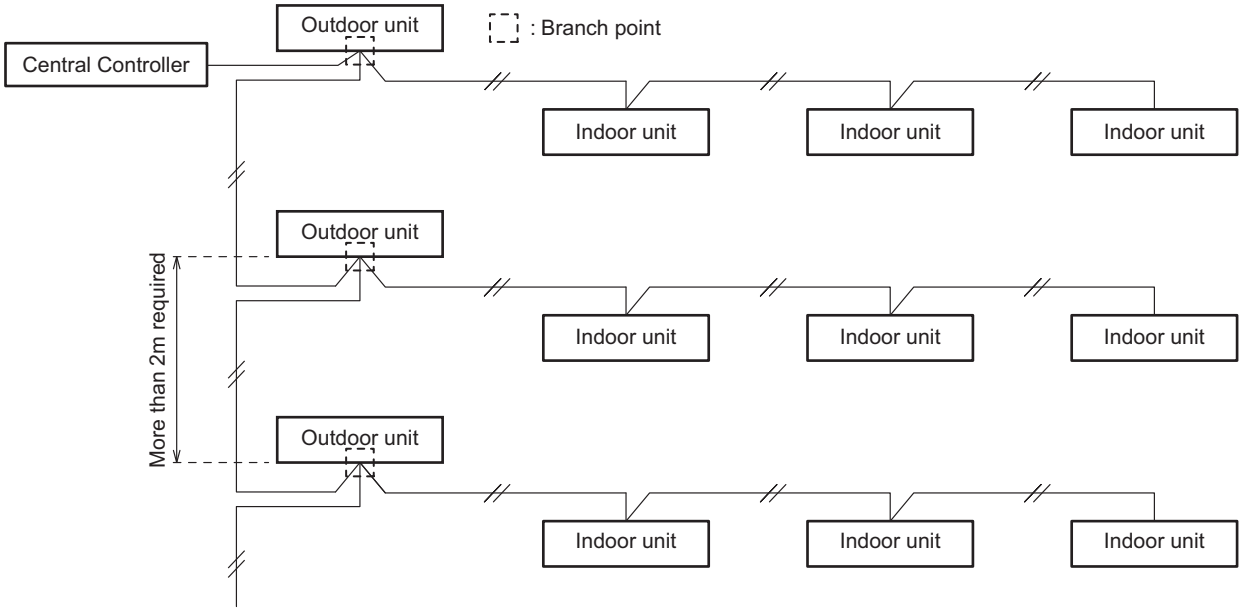
(2) Do not install the inter-unit control wiring in a way that forms a loop.



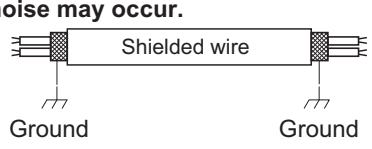
(3) Do not install inter-unit control wiring such as star branch wiring. Star branch wiring causes mis-address setting.



(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)

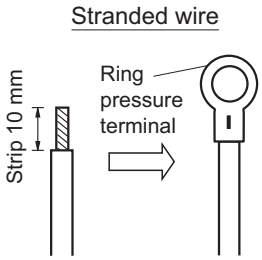


Fig. 1-1

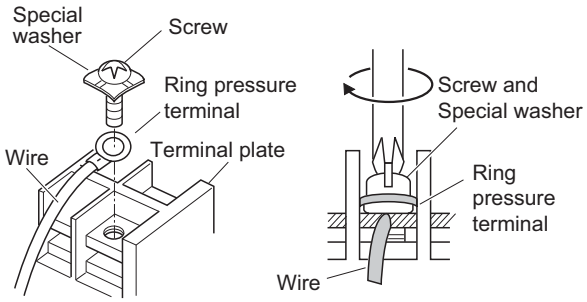


Fig. 1-2

■ 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)

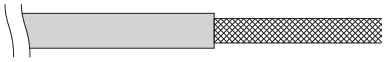


Fig. 1-3

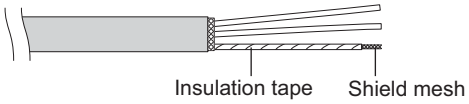


Fig. 1-4

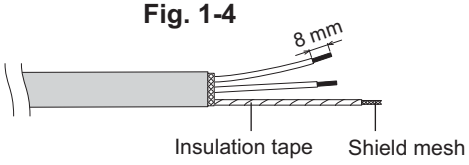


Fig. 1-5

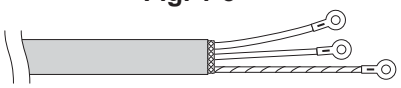
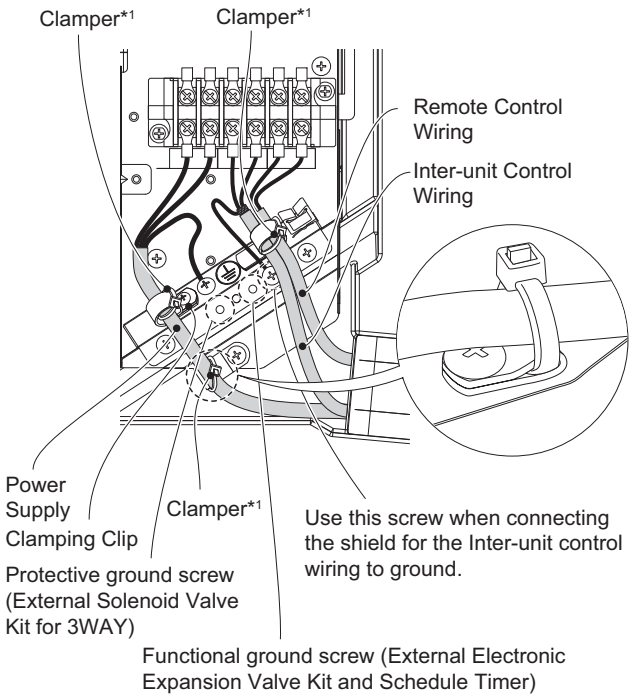


Fig. 1-6

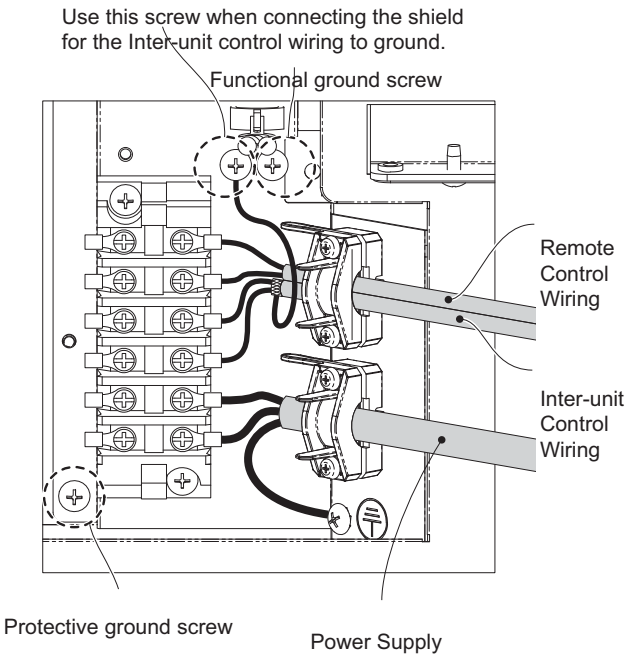
■ Wiring samples

U1 type



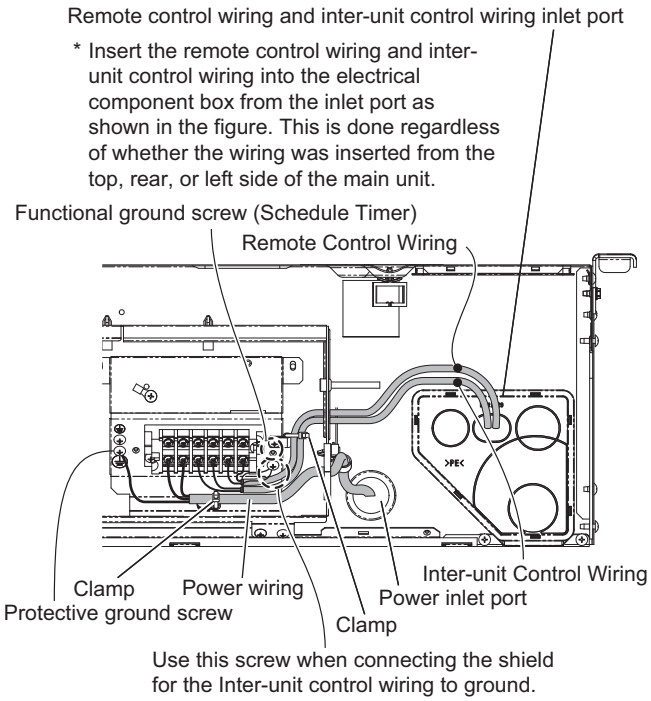
*1 Fasten tightly.

F1 type

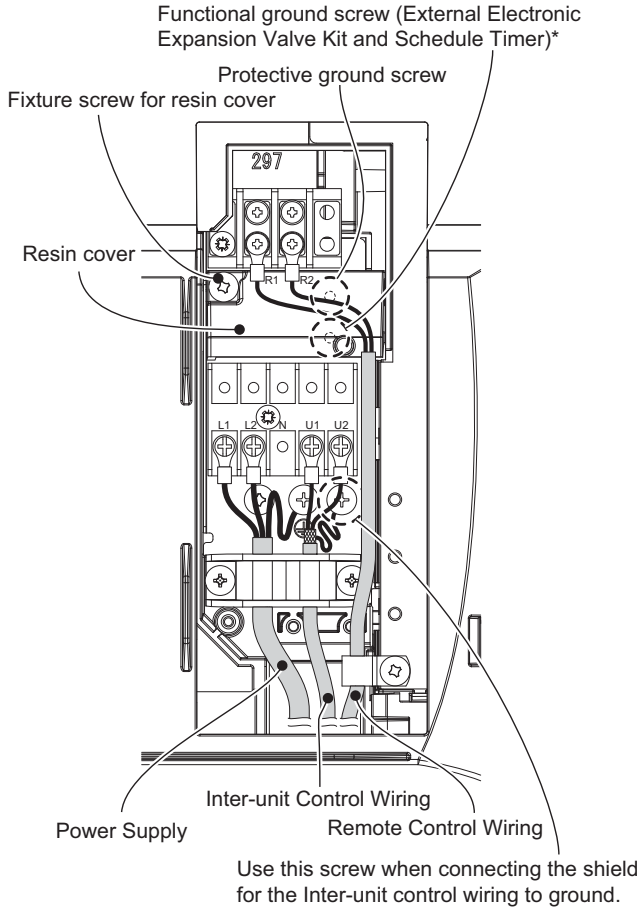


■ Wiring samples

T2 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.

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).

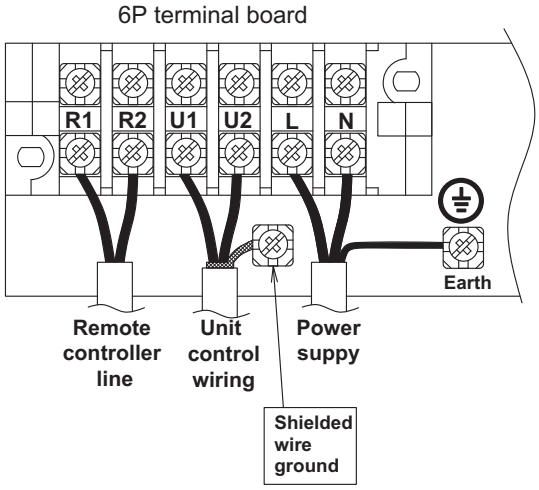
(2) How to carry out wiring

- 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



1-13. Capacity Table

1. Cooling Capacity Performance Data

- **Combination of Single Unit**

Ducted Type

TC :Cooling Capacity
SHC :Sensible Heat Capacity
IPT :Cooling Power Consumption

unit : kW

Model	Power Source	Ambient Return Air		Outdoor air intake temp(°C D.B.)															
				25°C			30°C			35°C			40°C			46°C			
		DB	WB	TC	SHC	IPT	TC	SHC	IPT	TC	SHC	IPT	TC	SHC	IPT	TC	SHC	IPT	
S-50PN1E5A U-50PE1E5	220V 230V 240V 50Hz 1 phase	23	16	5.9	4.3	1.85	5.6	4.2	2.01	5.2	4.0	2.22	5.0	3.9	2.46	3.9	3.4	1.62	
			19	6.4	3.3	1.93	6.0	3.2	2.10	5.6	3.0	2.31	5.4	2.9	2.56	4.2	2.5	1.68	
			22	7.0	2.4	2.01	6.5	2.2	2.18	6.1	2.0	2.40	5.9	2.0	2.67	4.6	1.5	1.75	
		25	16	5.9	5.0	1.85	5.6	4.8	2.01	5.2	4.6	2.22	5.0	4.5	2.46	3.9	3.9	1.62	
			19	6.4	3.9	1.93	6.0	3.8	2.10	5.6	3.6	2.31	5.4	3.5	2.56	4.2	3.1	1.68	
			22	7.0	3.0	2.01	6.5	2.8	2.18	6.1	2.6	2.40	5.9	2.6	2.67	4.6	2.1	1.75	
		27	16	5.9	5.6	1.85	5.6	5.4	2.01	5.2	5.2	2.22	5.0	5.0	2.46	3.9	3.9	1.62	
			19	6.4	4.6	1.93	6.0	4.4	2.10	5.6	4.2	2.31	5.4	4.1	2.56	4.2	3.7	1.68	
			22	7.0	3.6	2.01	6.5	3.4	2.18	6.1	3.2	2.40	5.9	3.2	2.67	4.6	2.7	1.75	
		29	16	5.9	5.9	1.85	5.6	5.6	2.01	5.2	5.2	2.22	5.0	5.0	2.46	3.9	3.9	1.62	
			19	6.4	5.1	1.93	6.0	5.0	2.10	5.6	4.8	2.31	5.4	4.7	2.56	4.2	4.2	1.68	
			22	7.0	4.2	2.01	6.5	4.0	2.18	6.1	3.8	2.40	5.9	3.8	2.67	4.6	3.3	1.75	
		32	16	5.9	5.9	1.85	5.6	5.6	2.01	5.2	5.2	2.22	5.0	5.0	2.46	3.9	3.9	1.62	
			19	6.4	5.1	1.93	6.0	5.0	2.10	5.6	4.8	2.31	5.4	4.7	2.56	4.2	4.2	1.68	
			22	7.0	4.2	2.01	6.5	4.0	2.18	6.1	3.8	2.40	5.9	3.8	2.67	4.6	3.3	1.75	

1-13. Capacity Table

1. Cooling Capacity Performance Data

- **Combination of Single Unit**

Ducted Type

TC :Cooling Capacity
SHC :Sensible Heat Capacity
IPT :Cooling Power Consumption

unit : kW

Model	Power Source	Ambient Return Air		Outdoor air intake temp(°C D.B.)																
				25°C			30°C			35°C			40°C			46°C				
		DB	WB	TC	SHC	IPT	TC	SHC	IPT	TC	SHC	IPT	TC	SHC	IPT	TC	SHC	IPT		
S-60PN1E5A U-60PE1E5A	220V 230V 240V 50Hz 1 phase	23	16	7.2	6.0	1.79	7.0	5.9	1.92	6.8	5.8	2.06	6.6	5.7	2.07	6.2	5.5	1.94		
			19	7.5	4.2	1.85	7.3	4.2	1.98	7.1	4.1	2.11	6.8	4.0	2.09	6.5	3.9	1.96		
			22	7.9	2.6	1.93	7.7	2.6	2.05	7.4	2.5	2.17	7.1	2.4	2.12	6.7	2.3	1.98		
		25	16	7.2	7.1	1.79	7.0	6.9	1.92	6.8	6.8	2.06	6.6	6.6	2.07	6.2	6.2	1.94		
			19	7.5	5.3	1.85	7.3	5.2	1.98	7.1	5.1	2.11	6.8	4.9	2.09	6.5	4.8	1.96		
			22	7.9	3.5	1.93	7.7	3.6	2.05	7.4	3.5	2.17	7.1	3.3	2.12	6.7	3.2	1.98		
		27	16	7.2	7.2	1.79	7.0	7.0	1.92	6.8	6.8	2.06	6.6	6.6	2.07	6.2	6.2	1.94		
			19	7.5	6.2	1.85	7.3	6.1	1.98	7.1	6.0	2.11	6.8	6.0	2.09	6.5	5.9	1.96		
			22	7.9	4.6	1.93	7.7	4.5	2.05	7.4	4.4	2.17	7.1	4.3	2.12	6.7	4.2	1.98		
		29	16	7.2	7.2	1.79	7.0	7.0	1.92	6.8	6.8	2.06	6.6	6.6	2.07	6.2	6.2	1.94		
			19	7.5	7.1	1.85	7.3	7.1	1.98	7.1	7.1	2.11	6.8	6.8	2.09	6.5	6.5	1.96		
			22	7.9	5.5	1.93	7.7	5.4	2.05	7.4	5.4	2.17	7.1	5.3	2.12	6.7	5.1	1.98		
		32	16	7.2	7.2	1.79	7.0	7.0	1.92	6.8	6.8	2.06	6.6	6.6	2.07	6.2	6.2	1.94		
			19	7.5	7.1	1.85	7.3	7.1	1.98	7.1	7.1	2.11	6.8	6.8	2.09	6.5	6.5	1.96		
			22	7.9	5.5	1.93	7.7	5.4	2.05	7.4	5.4	2.17	7.1	5.3	2.12	6.7	5.1	1.98		
S-71PN1E5A U-71PE1E5A (U-71PE1E8A)	220V 230V 240V 50Hz 1 phase (3 phase)	23	16	8.1	6.3	2.34	7.9	6.2	2.50	7.6	6.0	2.69	7.2	5.9	2.67	6.3	5.5	2.28		
			19	8.5	4.6	2.42	8.3	4.5	2.59	8.0	4.4	2.75	7.5	4.3	2.70	6.6	3.9	2.31		
			22	9.0	3.0	2.53	8.7	2.9	2.68	8.3	2.8	2.83	7.8	2.6	2.72	6.8	2.3	2.34		
		25	16	8.1	7.2	2.34	7.9	7.1	2.50	7.6	7.0	2.69	7.2	6.8	2.67	6.3	6.3	2.28		
			19	8.5	5.6	2.42	8.3	5.5	2.59	8.0	5.3	2.75	7.5	5.1	2.70	6.6	4.8	2.31		
			22	9.0	3.9	2.53	8.7	3.8	2.68	8.3	3.7	2.83	7.8	3.5	2.72	6.8	3.2	2.34		
		27	16	8.1	8.1	2.34	7.9	7.9	2.50	7.6	7.6	2.69	7.2	7.2	2.67	6.3	6.3	2.28		
			19	8.5	6.5	2.42	8.3	6.5	2.59	8.0	6.3	2.75	7.5	6.0	2.70	6.6	5.8	2.31		
			22	9.0	4.8	2.53	8.7	4.7	2.68	8.3	4.6	2.83	7.8	4.4	2.72	6.8	4.1	2.34		
		29	16	8.1	8.1	2.34	7.9	7.9	2.50	7.6	7.6	2.69	7.2	7.2	2.67	6.3	6.3	2.28		
			19	8.5	7.5	2.42	8.3	7.4	2.59	8.0	7.2	2.75	7.5	7.1	2.70	6.6	6.6	2.31		
			22	9.0	5.9	2.53	8.7	5.6	2.68	8.3	5.5	2.83	7.8	5.4	2.72	6.8	5.1	2.34		
		32	16	8.1	8.1	2.34	7.9	7.9	2.50	7.6	7.6	2.69	7.2	7.2	2.67	6.3	6.3	2.28		
			19	8.5	7.5	2.42	8.3	7.4	2.59	8.0	7.2	2.75	7.5	7.1	2.70	6.6	6.6	2.31		
			22	9.0	5.9	2.53	8.7	5.6	2.68	8.3	5.5	2.83	7.8	5.4	2.72	6.8	5.1	2.34		
S-100PN1E5A U-100PE1E5A (U-100PE1E8A)	220V 230V 240V 50Hz 1 phase (3 phase)	23	16	11.4	9.2	3.08	11.4	9.2	3.31	10.9	8.9	3.52	10.2	8.7	3.67	7.4	7.4	3.00		
			19	12.1	6.8	3.22	12.1	6.8	3.46	11.7	6.7	3.68	10.9	6.4	3.82	7.9	5.1	3.12		
			22	13.3	4.6	3.33	13.3	4.6	3.57	12.8	4.4	3.80	11.9	4.1	3.96	8.7	3.0	3.23		
		25	16	11.8	11.0	3.14	11.8	11.0	3.37	11.3	10.6	3.58	10.5	10.4	3.73	7.7	7.7	3.05		
			19	12.6	8.5	3.27	12.6	8.5	3.51	12.1	8.3	3.74	11.2	8.1	3.89	8.2	6.8	3.18		
			22	13.8	6.3	3.38	13.8	6.3	3.64	13.2	6.0	3.87	12.3	5.7	4.02	9.0	4.6	3.29		
		27	16	12.2	12.2	3.19	12.2	12.2	3.42	11.7	11.7	3.64	10.9	10.9	3.79	8.0	8.0	3.10		
			19	13.0	10.5	3.33	13.0	10.5	3.57	12.5	10.1	3.80	11.6	9.9	3.95	8.5	8.5	3.23		
			22	14.2	8.1	3.44	14.2	8.1	3.70	13.7	7.8	3.93	12.7	7.5	4.09	9.3	6.2	3.34		
		29	16	12.4	12.4	3.20	12.4	12.4	3.43	11.9	11.9	3.65	11.0	11.0	3.80	8.1	8.1	3.10		
			19	13.2	12.2	3.33	13.2	12.2	3.58	12.7	11.8	3.81	11.8	11.7	3.96	8.6	8.6	3.24		
			22	14.5	9.8	3.45	14.5	9.8	3.70	13.9	9.5	3.94	12.9	9.2	4.10	9.5	7.9	3.35		
		32	16	12.5	12.5	3.20	12.5	12.5	3.44	12.1	12.1	3.66	11.2	11.2	3.81	8.2	8.2	3.11		
			19	13.4	12.3	3.34	13.4	12.3	3.59	12.9	12.0	3.82	12.0	11.9	3.97	8.8	8.8	3.25		
			22	14.7	9.9	3.46	14.7	9.9	3.71	14.1	9.7	3.95	13.1	9.4	4.11	9.6	8.0	3.36		
S-125PN1E5A U-125PE1E5A (U-125PE1E8A)	220V 230V 240V 50Hz 1 phase (3 phase)	23	16	12.7	9.7	3.90	12.7	9.7	4.18	12.2	9.4	4.45	11.4	9.2	4.63	8.3	7.7	3.78		
			19	13.6	7.4	4.06	13.6	7.4	4.36	13.1	7.1	4.64	12.2	6.9	4.83	8.9	5.5	3.95		
			22	14.9	5.1	4.20	14.9	5.2	4.52	14.3	4.9	4.80	13.3	4.6	5.00	9.7	3.3	4.08		
		25	16	13.2	11.5	3.96	13.2	11.6	4.26	12.7	11.2	4.53	11.8	11.0	4.71	8.6	8.6	3.85		
			19	14.1	9.1	4.13	14.1	9.2	4.44	13.5	8.9	4.72	12.6	8.6	4.91	9.2	7.1	4.01		
			22	15.4	6.8	4.27	15.4	6.8	4.59	14.8	6.6	4.88	13.8	6.3	5.08	10.1	5.0	4.15		
		27	16	13.6	13.4	4.03	13.6	13.5	4.33	13.1	13.1	4.60	12.2	12.2	4.79	8.9	8.9	3.91		
			19	14.6	11.1	4.20	14.6	11.0	4.51	14.0	10.6	4.80	13.0	10.4	4.99	9.5	8.8	4.08		
			22	16.0	8.7	4.35	16.0	8.7	4.67	15.3	8.4	4.97	14.3	8.1	5.16	10.4	6.6	4.22		
		29	16	13.8	13.8	4.04	13.8	13.8	4.34	13.3	13.3	4.61	12.4	12.4	4.80	9.0	9.0	3.92		
			19	14.8	12.7	4.21	14.8	12.7	4.52	14.2	12.4	4.81	13.2	12.1	5.00	9.7	9.7	4.09		
			22	16.2	10.4	4.36	16.2	10.4	4.68	15.6	10.1	4.98	14.5	9.7	5.18	10.6	8.3	4.23		
		32	16	14.0	14.0	4.05	14.0	14.0	4.35	13.5	13.5	4.62	12.6	12.6	4.81	9.2	9.2	3.93		
			19	15.0	12.9	4.22	15.0	12.9	4.53	14.4	12.6	4.82	13.4	12.3	5.02	9.8	9.8	4.10		
			22	16.4	10.5	4.37	16.4	10.5	4.69	15.8	10.3	4.99	14.7	9.9	5.19	10.7	8.3	4.24		
S-140PN1E5A U-140PE1E5A (U-140PE1E8A)	220V 230V 240V 50Hz 1 phase (3 phase)	23	16	14.1	10.4	5.03	14.1	10.5	5.40	13.6	10.1	5.75	12.6	9.8	5.98	9.2	8.3	4.89		
			19	15.1	8.0	5.25	15.1	8.1	5.64	14.5	7.8	6.00	13.5	7.4	6.24	9.8	5.9	5.10		
			22	16.5	5.7	5.43	16.5	5.6	5.83	15.9	5.5	6.21	14.8	5.1	6.45	10.8	3.7	5.27		
		25	16	14.6	12.3	5.12	14.6	12.4	5.50	14.0	11.9	5.85	13.1	11.7	6.08	9.5	9.5	4.97		
			19	15.6	9.8	5.34	15.6	9.9	5.73	15.0	9.5	6.10	13.9	9.2	6.34	10.2	7.6	5.18		
			22	17.1	7.4	5.52	17.1	7.5	5.93	16.4	7.1	6.31	15.3	6.8	6.56	11.2	5.4	5.36		
		27	16	15.1	14.2	5.20	15.1	14.3	5.59	14.5	13.9	5.94	13.5	13.5	6.18	9.9	9.9	5.05		
			19	16.1	11.7	5.43	16.1	11.8	5.83	15.5	11.4	6.20	14.4	11.1	6.45	10.5	9.3	5.27		
			22	17.7	9.3	5.61	17.7	9.4	6.03	17.0	9.0	6.41	15.8	8.7	6.67	11.5	7.0	5.45		
		29	16	15.3	15.3	5.21	15.3	15.3	5.60	14.7	14.7	5.96	13.7	13.7	6.20	10.0	10.0	5.06		
			19	16.4	13.5	5.44	16.4	13.5	5.84	15.7	13.1	6.22	14.6	12.9	6.46	10.7	10.7	5.28		
			22	17.9	11.1	5.63	17.9	11.2	6.04	17.2	10.8	6.43	16.0	10.5	6.69	11.7	8.7	5.47		
		32	16	15.5	15.5	5.23	15.5	15.5	5.61	14.9	14.9	5.97	13.9	13.9	6.21	10.2	10.2	5.08		
			19	16.6	13.7	5.45	16.6	13.7	5.86	16.0	13.4	6.23	14.8	13.0	6.48	10.9	10.9	5.30		
			22	18.2	11.3	5.64	18.2	11.4	6.06	17.5	11.0	6.45	16.3	10.7	6.70	11.9	8.9	5.48		

1-13. Capacity Table

1. Cooling Capacity Performance Data

TC :Cooling Capacity
SHC :Sensible Heat Capacity
IPT :Cooling Power Consumption

• Combination of Multiple Unit

Ducted Type

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-36PN1E5A×2 U-71PE1E5A (U-71PE1E8A)	220V 230V 240V 50Hz 1 phase (3 phase)	23	16	8.1	7.0	2.34	7.9	6.9	2.50	7.6	6.7	2.69	7.2	6.5	2.67	6.3	6.2	2.28	
			19	8.5	5.0	2.42	8.3	4.9	2.59	8.0	4.7	2.75	7.5	4.6	2.70	6.6	4.2	2.31	
			22	9.0	2.9	2.53	8.7	2.8	2.68	8.3	2.7	2.83	7.8	2.6	2.72	6.8	2.3	2.34	
		25	16	8.1	8.1	2.34	7.9	7.9	2.50	7.6	7.6	2.69	7.2	7.2	2.67	6.3	6.3	2.28	
			19	8.5	6.1	2.42	8.3	6.0	2.59	8.0	6.0	2.75	7.5	5.7	2.70	6.6	5.5	2.31	
			22	9.0	4.2	2.53	8.7	4.1	2.68	8.3	3.9	2.83	7.8	3.7	2.72	6.8	3.4	2.34	
		27	16	8.1	8.1	2.34	7.9	7.9	2.50	7.6	7.6	2.69	7.2	7.2	2.67	6.3	6.3	2.28	
			19	8.5	7.3	2.42	8.3	7.3	2.59	8.0	7.1	2.75	7.5	6.8	2.70	6.6	6.6	2.31	
			22	9.0	5.3	2.53	8.7	5.2	2.68	8.3	5.0	2.83	7.8	4.9	2.72	6.8	4.6	2.34	
		29	16	8.1	8.1	2.34	7.9	7.9	2.50	7.6	7.6	2.69	7.2	7.2	2.67	6.3	6.3	2.28	
			19	8.5	8.5	2.42	8.3	8.3	2.59	8.0	8.0	2.75	7.5	7.5	2.70	6.6	6.6	2.31	
			22	9.0	6.5	2.53	8.7	6.4	2.68	8.3	6.3	2.83	7.8	6.1	2.72	6.8	5.8	2.34	
		32	16	8.1	8.1	2.34	7.9	7.9	2.50	7.6	7.6	2.69	7.2	7.2	2.67	6.3	6.3	2.28	
			19	8.5	8.5	2.42	8.3	8.3	2.59	8.0	8.0	2.75	7.5	7.5	2.70	6.6	6.6	2.31	
			22	9.0	6.5	2.53	8.7	6.4	2.68	8.3	6.3	2.83	7.8	6.1	2.72	6.8	5.8	2.34	
S-36PN1E5A×3 U-100PE1E5A (U-100PE1E8A)	220V 230V 240V 50Hz 1 phase (3 phase)	23	16	11.4	10.2	3.08	11.4	10.2	3.31	10.9	9.9	3.52	10.2	9.8	3.67	7.4	7.4	3.00	
			19	12.1	7.4	3.22	12.1	7.2	3.46	11.7	7.1	3.68	10.9	6.9	3.82	7.9	5.7	3.12	
			22	13.3	4.4	3.33	13.3	4.4	3.57	12.8	4.3	3.80	11.9	3.9	3.96	8.7	2.9	3.23	
		25	16	11.8	11.8	3.14	11.8	11.8	3.37	11.3	11.3	3.58	10.5	10.5	3.73	7.7	7.7	3.05	
			19	12.6	9.5	3.27	12.6	9.5	3.51	12.1	9.2	3.74	11.2	9.0	3.89	8.2	7.7	3.18	
			22	13.8	6.6	3.38	13.8	6.6	3.64	13.2	6.3	3.87	12.3	6.1	4.02	9.0	4.9	3.29	
		27	16	12.2	12.2	3.19	12.2	12.2	3.42	11.7	11.7	3.64	10.9	10.9	3.79	8.0	8.0	3.10	
			19	13.0	11.7	3.33	13.0	11.7	3.57	12.5	11.5	3.80	11.6	11.3	3.95	8.5	8.5	3.23	
			22	14.2	8.9	3.44	14.2	8.9	3.70	13.7	8.6	3.93	12.7	8.4	4.09	9.3	7.0	3.34	
		29	16	12.4	12.4	3.20	12.4	12.4	3.43	11.9	11.9	3.65	11.0	11.0	3.80	8.1	8.1	3.10	
			19	13.2	13.2	3.33	13.2	13.2	3.58	12.7	12.7	3.81	11.8	11.8	3.96	8.6	8.6	3.24	
			22	14.5	11.1	3.45	14.5	11.1	3.70	13.9	10.7	3.94	12.9	10.6	4.10	9.5	9.1	3.35	
		32	16	12.5	12.5	3.20	12.5	12.5	3.44	12.1	12.1	3.66	11.2	11.2	3.81	8.2	8.2	3.11	
			19	13.4	13.4	3.34	13.4	13.4	3.59	12.9	12.9	3.82	12.0	12.0	3.97	8.8	8.8	3.25	
			22	14.7	11.3	3.46	14.7	11.3	3.71	14.1	10.9	3.95	13.1	10.8	4.11	9.6	9.2	3.36	
S-50PN1E5A×2 U-100PE1E5A (U-100PE1E8A)	220V 230V 240V 50Hz 1 phase (3 phase)	23	16	11.4	9.0	3.08	11.4	9.1	3.31	10.9	8.6	3.52	10.2	8.5	3.67	7.4	7.3	3.00	
			19	12.1	6.6	3.22	12.1	6.6	3.46	11.7	6.4	3.68	10.9	6.2	3.82	7.9	5.0	3.12	
			22	13.3	4.5	3.33	13.3	4.5	3.57	12.8	4.3	3.80	11.9	3.9	3.96	8.7	2.9	3.23	
		25	16	11.8	10.8	3.14	11.8	10.8	3.37	11.3	10.5	3.58	10.5	10.3	3.73	7.7	7.7	3.05	
			19	12.6	8.4	3.27	12.6	8.4	3.51	12.1	8.1	3.74	11.2	8.0	3.89	8.2	6.6	3.18	
			22	13.8	6.1	3.38	13.8	6.1	3.64	13.2	5.9	3.87	12.3	5.6	4.02	9.0	4.4	3.29	
		27	16	12.2	12.2	3.19	12.2	12.2	3.42	11.7	11.7	3.64	10.9	10.9	3.79	8.0	8.0	3.10	
			19	13.0	10.2	3.33	13.0	10.2	3.57	12.5	9.9	3.80	11.6	9.7	3.95	8.5	8.4	3.23	
			22	14.2	7.8	3.44	14.2	7.8	3.70	13.7	7.7	3.93	12.7	7.4	4.09	9.3	6.1	3.34	
		29	16	12.4	12.4	3.20	12.4	12.4	3.43	11.9	11.9	3.65	11.0	11.0	3.80	8.1	8.1	3.10	
			19	13.2	11.9	3.33	13.2	11.9	3.58	12.7	11.7	3.81	11.8	11.5	3.96	8.6	8.6	3.24	
			22	14.5	9.6	3.45	14.5	9.6	3.70	13.9	9.4	3.94	12.9	9.1	4.10	9.5	7.7	3.35	
		32	16	12.5	12.5	3.20	12.5	12.5	3.44	12.1	12.1	3.66	11.2	11.2	3.81	8.2	8.2	3.11	
			19	13.4	12.1	3.34	13.4	12.1	3.59	12.9	11.9	3.82	12.0	11.7	3.97	8.8	8.8	3.25	
			22	14.7	9.8	3.46	14.7	9.8	3.71	14.1	9.5	3.95	13.1	9.2	4.11	9.6	7.8	3.36	
S-36PN1E5A×4 U-125PE1E5A (U-125PE1E8A)	220V 230V 240V 50Hz 1 phase (3 phase)	23	16	12.7	11.8	3.90	12.7	11.9	4.18	12.2	11.5	4.45	11.4	11.4	4.63	8.3	8.3	3.78	
			19	13.6	8.4	4.06	13.6	8.5	4.36	13.1	8.2	4.64	12.2	7.9	4.83	8.9	6.6	3.95	
			22	14.9	4.9	4.20	14.9	4.9	4.52	14.3	4.7	4.80	13.3	4.4	5.00	9.7	3.3	4.08	
		25	16	13.2	13.2	3.96	13.2	13.2	4.26	12.7	12.7	4.53	11.8	11.8	4.71	8.6	8.6	3.85	
			19	14.1	11.0	4.13	14.1	11.0	4.44	13.5	10.7	4.72	12.6	10.5	4.91	9.2	9.1	4.01	
			22	15.4	7.5	4.27	15.4	7.5	4.59	14.8	7.2	4.88	13.8	7.0	5.08	10.1	5.7	4.15	
		27	16	13.6	13.6	4.03	13.6	13.6	4.33	13.1	13.1	4.60	12.2	12.2	4.79	8.9	8.9	3.91	
			19	14.6	13.7	4.20	14.6	13.8	4.51	14.0	13.3	4.80	13.0	13.0	4.99	9.5	9.5	4.08	
			22	16.0	10.3	4.35	16.0	10.2	4.67	15.3	9.9	4.97	14.3	9.6	5.16	10.4	8.2	4.22	
		29	16	13.8	13.8	4.04	13.8	13.8	4.34	13.3	13.3	4.61	12.4	12.4	4.80	9.0	9.0	3.92	
			19	14.8	14.8	4.21	14.8	14.8	4.52	14.2	14.2	4.81	13.2	13.2	5.00	9.7	9.7	4.09	
			22	16.2	12.9	4.36	16.2	12.9	4.68	15.6	12.5	4.98	14.5	12.3	5.18	10.6	10.6	4.23	
		32	16	14.0	14.0	4.05	14.0	14.0	4.35	13.5	13.5	4.62	12.6	12.6	4.81	9.2	9.2	3.93	
			19	15.0	15.0	4.22	15.0	15.0	4.53	14.4	14.4	4.82	13.4	13.4	5.02	9.8	9.8	4.10	
			22	16.4	13.1	4.37	16.4	13.1	4.69	15.8	12.7	4.99	14.7	12.5	5.19	10.7	10.7	4.24	
S-45PN1E5A×3 U-125PE1E5A (U-125PE1E8A)	220V 230V 240V 50Hz 1 phase (3 phase)	23	16	12.7	10.8	3.90	12.7	10.9	4.18	12.2	10.6	4.45	11.4	10.5	4.63	8.3	8.3	3.78	
			19	13.6	8.0	4.06	13.6	7.9	4.36	13.1	7.7	4.64	12.2	7.4	4.83	8.9	6.1	3.95	
			22	14.9	4.9	4.20	14.9	4.9	4.52	14.3	4.7	4.80	13.3	4.4	5.00	9.7	3.2	4.08	
		25	16	13.2	13.2	3.96	13.2	13.2	4.26	12.7	12.7	4.53	11.8	11.8	4.71	8.6	8.6	3.85	
			19	14.1	10.1	4.13	14.1	10.2	4.44	13.5	9.8	4.72	12.6	9.7	4.91	9.2	8.3	4.01	
			22	15.4	7.1	4.27	15.4	7.2	4.59	14.8	6.9	4.88	13.8	6.6	5.08	10.1	5.3	4.15	
		27	16	13.6	13.6	4.03	13.6	13.6	4.33	13.1	13.1	4.60	12.2	12.2	4.79	8.9	8.9	3.91	
			19	14.6	12.5	4.20	14.6	12.6	4.51	14.0	12.2	4.80	13.0	12.0	4.99	9.5	9.5	4.08	
			22	16.0	9.6	4.35	16.0	9.6	4.67	15.3	9.2	4.97	14.3	9.0	5.16	10.4	7.4	4.22	
		29	16	13.8	13.8	4.04	13.8	13.8	4.34	13.3	13.3	4.61	12.4	12.4	4.80	9.0	9.0	3.92	
			19	14.8	14.8	4.21	14.8	14.8	4.52	14.2	14.2	4.81	13.2	13.2	5.00	9.7	9.7	4.09	
			22	16.2	11.7	4.36	16.2	11.8	4.68	15.6	11.6	4.98	14.5	11.2	5.18	10.6	9.7	4.23	
		32	16	14.0	14.0	4.05	14.0	14.0	4.35	13.5	13.5	4.62	12.6	12.6	4.81	9.2	9.2	3.93	
			19	15.0	15.0	4.22	15.0	15.0	4.53	14.4	14.4	4.82	13.4	13.4	5.02	9.8	9.8	4.10	
			22	16.4	11.9	4.37	16.4	12.0	4.69	15.8	11.7	4.99	14.7	11.4	5.19	10.7	9.8	4.24	

1-13. Capacity Table

1. Cooling Capacity Performance Data

TC :Cooling Capacity
SHC :Sensible Heat Capacity
IPT :Cooling Power Consumption

• Combination of Multiple Unit

Ducted Type

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-60PN1E5A×2 U-125PE1E5A (U-125PE1E8A)	220V 230V 240V 50Hz 1 phase (3 phase)	23	16	12.7	10.4	3.90	12.7	10.5	4.18	12.2	10.2	4.45	11.4	10.0	4.63	8.3	8.3	3.78	
			19	13.6	7.7	4.06	13.6	7.7	4.36	13.1	7.4	4.64	12.2	7.2	4.83	8.9	5.9	3.95	
			22	14.9	4.9	4.20	14.9	4.9	4.52	14.3	4.7	4.80	13.3	4.4	5.00	9.7	3.2	4.08	
		25	16	13.2	12.7	3.96	13.2	12.8	4.26	12.7	12.4	4.53	11.8	11.8	4.71	8.6	8.6	3.85	
			19	14.1	9.8	4.13	14.1	9.8	4.44	13.5	9.5	4.72	12.6	9.3	4.91	9.2	7.8	4.01	
			22	15.4	7.0	4.27	15.4	6.9	4.59	14.8	6.8	4.88	13.8	6.5	5.08	10.1	5.1	4.15	
		27	16	13.6	13.6	4.03	13.6	13.6	4.33	13.1	13.1	4.60	12.2	12.2	4.79	8.9	8.9	3.91	
			19	14.6	12.0	4.20	14.6	12.1	4.51	14.0	11.6	4.80	13.0	11.5	4.99	9.5	9.5	4.08	
			22	16.0	9.2	4.35	16.0	9.3	4.67	15.3	8.9	4.97	14.3	8.7	5.16	10.4	7.1	4.22	
		29	16	13.8	13.8	4.04	13.8	13.8	4.34	13.3	13.3	4.61	12.4	12.4	4.80	9.0	9.0	3.92	
			19	14.8	14.1	4.21	14.8	14.1	4.52	14.2	13.6	4.81	13.2	13.2	5.00	9.7	9.7	4.09	
			22	16.2	11.2	4.36	16.2	11.3	4.68	15.6	11.0	4.98	14.5	10.7	5.18	10.6	9.2	4.23	
		32	16	14.0	14.0	4.05	14.0	14.0	4.35	13.5	13.5	4.62	12.6	12.6	4.81	9.2	9.2	3.93	
			19	15.0	14.3	4.22	15.0	14.3	4.53	14.4	13.8	4.82	13.4	13.4	5.02	9.8	9.8	4.10	
			22	16.4	11.4	4.37	16.4	11.5	4.69	15.8	11.1	4.99	14.7	10.9	5.19	10.7	9.3	4.24	
S-50PN1E5A×3 U-140PE1E5A (U-140PE1E8A)	220V 230V 240V 50Hz 1 phase (3 phase)	23	16	14.1	11.4	5.03	14.1	11.5	5.40	13.6	11.2	5.75	12.6	10.9	5.98	9.2	9.2	4.89	
			19	15.1	8.4	5.25	15.1	8.5	5.64	14.5	8.2	6.00	13.5	7.9	6.24	9.8	6.4	5.10	
			22	16.5	5.5	5.43	16.5	5.4	5.83	15.9	5.3	6.21	14.8	4.9	6.45	10.8	3.6	5.27	
		25	16	14.6	13.8	5.12	14.6	13.9	5.50	14.0	13.5	5.85	13.1	13.1	6.08	9.5	9.5	4.97	
			19	15.6	10.7	5.34	15.6	10.8	5.73	15.0	10.4	6.10	13.9	10.1	6.34	10.2	8.6	5.18	
			22	17.1	7.8	5.52	17.1	7.7	5.93	16.4	7.5	6.31	15.3	7.1	6.56	11.2	5.7	5.36	
		27	16	15.1	15.1	5.20	15.1	15.1	5.59	14.5	14.5	5.94	13.5	13.5	6.18	9.9	9.9	5.05	
			19	16.1	13.1	5.43	16.1	13.2	5.83	15.5	12.7	6.20	14.4	12.6	6.45	10.5	10.5	5.27	
			22	17.7	10.0	5.61	17.7	10.1	6.03	17.0	9.7	6.41	15.8	9.5	6.67	11.5	7.8	5.45	
		29	16	15.3	15.3	5.21	15.3	15.3	5.60	14.7	14.7	5.96	13.7	13.7	6.20	10.0	10.0	5.06	
			19	16.4	15.4	5.44	16.4	15.5	5.84	15.7	14.9	6.22	14.6	14.6	6.46	10.7	10.7	5.28	
			22	17.9	12.3	5.63	17.9	12.4	6.04	17.2	11.9	6.43	16.0	11.7	6.69	11.7	10.0	5.47	
		32	16	15.5	15.5	5.23	15.5	15.5	5.61	14.9	14.9	5.97	13.9	13.9	6.21	10.2	10.2	5.08	
			19	16.6	15.6	5.45	16.6	15.7	5.86	16.0	15.2	6.23	14.8	14.8	6.48	10.9	10.9	5.30	
			22	18.2	12.5	5.64	18.2	12.6	6.06	17.5	12.1	6.45	16.3	11.9	6.70	11.9	10.2	5.48	
S-71PN1E5A×2 U-140PE1E5A (U-140PE1E8A)	220V 230V 240V 50Hz 1 phase (3 phase)	23	16	14.1	11.0	5.03	14.1	11.0	5.40	13.6	10.8	5.75	12.6	10.4	5.98	9.2	8.9	4.89	
			19	15.1	8.2	5.25	15.1	8.3	5.64	14.5	8.0	6.00	13.5	7.7	6.24	9.8	6.2	5.10	
			22	16.5	5.5	5.43	16.5	5.5	5.83	15.9	5.3	6.21	14.8	4.9	6.45	10.8	3.6	5.27	
		25	16	14.6	13.2	5.12	14.6	13.2	5.50	14.0	12.9	5.85	13.1	12.7	6.08	9.5	9.5	4.97	
			19	15.6	10.4	5.34	15.6	10.4	5.73	15.0	10.1	6.10	13.9	9.7	6.34	10.2	8.2	5.18	
			22	17.1	7.5	5.52	17.1	7.6	5.93	16.4	7.3	6.31	15.3	6.9	6.56	11.2	5.5	5.36	
		27	16	15.1	15.1	5.20	15.1	15.1	5.59	14.5	14.5	5.94	13.5	13.5	6.18	9.9	9.9	5.05	
			19	16.1	12.5	5.43	16.1	12.6	5.83	15.5	12.2	6.20	14.4	12.0	6.45	10.5	10.3	5.27	
			22	17.7	9.8	5.61	17.7	9.7	6.03	17.0	9.5	6.41	15.8	9.1	6.67	11.5	7.4	5.45	
		29	16	15.3	15.3	5.21	15.3	15.3	5.60	14.7	14.7	5.96	13.7	13.7	6.20	10.0	10.0	5.06	
			19	16.4	14.7	5.44	16.4	14.8	5.84	15.7	14.2	6.22	14.6	14.0	6.46	10.7	10.7	5.28	
			22	17.9	11.8	5.63	17.9	11.9	6.04	17.2	11.5	6.43	16.0	11.2	6.69	11.7	9.4	5.47	
		32	16	15.5	15.5	5.23	15.5	15.5	5.61	14.9	14.9	5.97	13.9	13.9	6.21	10.2	10.2	5.08	
			19	16.6	14.9	5.45	16.6	15.0	5.86	16.0	14.5	6.23	14.8	14.2	6.48	10.9	10.9	5.30	
			22	18.2	12.0	5.64	18.2	12.1	6.06	17.5	11.7	6.45	16.3	11.4	6.70	11.9	9.6	5.48	

1-13. Capacity Table

1. Cooling Capacity Performance Data

- **Combination of Single Unit**

Ducted Type

TC :Cooling Capacity
SHC :Sensible Heat Capacity
IPT :Cooling Power Consumption

unit : kW

Model	Power Source	Ambient Return Air		Outdoor air intake temp(°C D.B.)															
				25°C			30°C			35°C			40°C			43°C			
		DB	WB	TC	SHC	IPT	TC	SHC	IPT	TC	SHC	IPT	TC	SHC	IPT	TC	SHC	IPT	
S-60PN1E5A U-60PEY1E5	220V 230V 240V 50Hz 1phase	23	16	7.1	5.9	2.37	6.8	5.8	2.60	6.5	5.6	2.82	5.5	4.7	2.48	5.0	4.4	2.26	
			19	7.7	4.3	2.47	7.3	4.2	2.70	7.0	4.1	2.94	5.9	3.5	2.59	5.4	3.2	2.36	
			22	8.4	2.8	2.57	8.0	2.7	2.81	7.6	2.6	3.06	6.5	2.2	2.69	5.9	2.0	2.45	
		25	16	7.1	7.0	2.37	6.8	6.7	2.60	6.5	6.5	2.82	5.5	5.5	2.48	5.0	5.0	2.26	
			19	7.7	5.4	2.47	7.3	5.2	2.70	7.0	5.0	2.94	5.9	4.3	2.59	5.4	4.0	2.36	
			22	8.4	3.8	2.57	8.0	3.7	2.81	7.6	3.6	3.06	6.5	3.0	2.69	5.9	2.8	2.45	
		27	16	7.1	7.1	2.37	6.8	6.8	2.60	6.5	6.5	2.82	5.5	5.5	2.48	5.0	5.0	2.26	
			19	7.7	6.4	2.47	7.3	6.1	2.70	7.0	6.0	2.94	5.9	5.2	2.59	5.4	4.8	2.36	
			22	8.4	4.9	2.57	8.0	4.7	2.81	7.6	4.5	3.06	6.5	3.9	2.69	5.9	3.6	2.45	
		29	16	7.1	7.1	2.37	6.8	6.8	2.60	6.5	6.5	2.82	5.5	5.5	2.48	5.0	5.0	2.26	
			19	7.7	7.3	2.47	7.3	7.1	2.70	7.0	7.0	2.94	5.9	5.9	2.59	5.4	5.4	2.36	
			22	8.4	5.9	2.57	8.0	5.7	2.81	7.6	5.5	3.06	6.5	4.9	2.69	5.9	4.5	2.45	
		32	16	7.1	7.1	2.37	6.8	6.8	2.60	6.5	6.5	2.82	5.5	5.5	2.48	5.0	5.0	2.26	
			19	7.7	7.3	2.47	7.3	7.1	2.70	7.0	7.0	2.94	5.9	5.9	2.59	5.4	5.4	2.36	
			22	8.4	5.9	2.57	8.0	5.7	2.81	7.6	5.5	3.06	6.5	4.9	2.69	5.9	4.5	2.45	
S-71PN1E5A U-71PEY1E5	220V 230V 240V 50Hz 1phase	23	16	7.9	6.1	2.60	7.5	5.9	2.85	7.2	5.7	3.10	6.1	5.0	2.73	5.5	4.6	2.49	
			19	8.5	4.6	2.71	8.1	4.4	2.97	7.7	4.2	3.23	6.5	3.7	2.84	5.9	3.4	2.59	
			22	9.2	3.1	2.82	8.8	3.0	3.09	8.4	2.8	3.36	7.1	2.4	2.95	6.4	2.1	2.69	
		25	16	7.9	7.0	2.60	7.5	6.8	2.85	7.2	6.7	3.10	6.1	5.7	2.73	5.5	5.3	2.49	
			19	8.5	5.6	2.71	8.1	5.3	2.97	7.7	5.1	3.23	6.5	4.5	2.84	5.9	4.2	2.59	
			22	9.2	4.0	2.82	8.8	3.9	3.09	8.4	3.7	3.36	7.1	3.2	2.95	6.4	2.9	2.69	
		27	16	7.9	7.9	2.60	7.5	7.5	2.85	7.2	7.2	3.10	6.1	6.1	2.73	5.5	5.5	2.49	
			19	8.5	6.5	2.71	8.1	6.3	2.97	7.7	6.1	3.23	6.5	5.2	2.84	5.9	5.0	2.59	
			22	9.2	4.9	2.82	8.8	4.8	3.09	8.4	4.7	3.36	7.1	4.0	2.95	6.4	3.7	2.69	
		29	16	7.9	7.9	2.60	7.5	7.5	2.85	7.2	7.2	3.10	6.1	6.1	2.73	5.5	5.5	2.49	
			19	8.5	7.5	2.71	8.1	7.2	2.97	7.7	6.9	3.23	6.5	6.1	2.84	5.9	5.7	2.59	
			22	9.2	6.0	2.82	8.8	5.7	3.09	8.4	5.6	3.36	7.1	4.9	2.95	6.4	4.6	2.69	
		32	16	7.9	7.9	2.60	7.5	7.5	2.85	7.2	7.2	3.10	6.1	6.1	2.73	5.5	5.5	2.49	
			19	8.5	7.5	2.71	8.1	7.2	2.97	7.7	6.9	3.23	6.5	6.1	2.84	5.9	5.7	2.59	
			22	9.2	6.0	2.82	8.8	5.7	3.09	8.4	5.6	3.36	7.1	4.9	2.95	6.4	4.6	2.69	

1-13. Capacity Table

1. Cooling Capacity Performance Data

TC :Cooling Capacity
SHC :Sensible Heat Capacity
IPT :Cooling Power Consumption

• Combination of Single Unit

Ducted Type

unit : kW

Model	Power Source	Ambient Return Air		Outdoor air intake temp(°C D.B.)															
				25°C			30°C			35°C			40°C			43°C			
		DB	WB	TC	SHC	IPT	TC	SHC	IPT	TC	SHC	IPT	TC	SHC	IPT	TC	SHC	IPT	
S-100PN1E5A U-100PEY1E5 (U-100PEY1E8)	220V 230V 240V 50Hz 1phase (3phase)	23	16	11.1	8.9	3.45	10.6	8.5	3.72	10.1	8.2	3.99	8.5	7.2	3.79	6.1	5.6	2.61	
			19	11.9	6.7	3.60	11.3	6.3	3.88	10.7	6.1	4.16	9.1	5.4	3.95	6.5	4.0	2.72	
			22	13.0	4.5	3.73	12.4	4.3	4.01	11.8	4.0	4.30	10.0	3.5	4.09	7.2	2.5	2.82	
		25	16	11.5	10.7	3.51	11.0	10.2	3.78	10.4	9.8	4.06	8.8	8.7	3.85	6.3	6.3	2.66	
			19	12.3	8.3	3.66	11.7	7.9	3.95	11.1	7.7	4.23	9.4	6.8	4.02	6.8	5.3	2.77	
			22	13.5	6.2	3.79	12.8	5.9	4.08	12.2	5.6	4.38	10.3	4.8	4.16	7.4	3.6	2.87	
		27	16	11.9	11.9	3.57	11.3	11.3	3.85	10.8	10.8	4.12	9.1	9.1	3.92	6.6	6.6	2.70	
			19	12.7	10.2	3.72	12.1	9.7	4.01	11.5	9.3	4.30	9.8	8.4	4.09	7.0	6.5	2.82	
			22	13.9	7.9	3.85	13.3	7.6	4.15	12.6	7.2	4.45	10.7	6.3	4.23	7.7	4.9	2.91	
		29	16	12.1	12.1	3.58	11.5	11.5	3.86	10.9	10.9	4.13	9.3	9.3	3.93	6.7	6.7	2.71	
			19	12.9	11.9	3.73	12.3	11.3	4.02	11.7	10.9	4.31	9.9	9.8	4.10	7.1	7.1	2.82	
			22	14.1	9.5	3.86	13.5	9.1	4.16	12.8	8.8	4.46	10.9	7.8	4.24	7.8	6.1	2.92	
		32	16	12.3	12.3	3.59	11.7	11.7	3.86	11.1	11.1	4.14	9.4	9.4	3.94	6.8	6.8	2.71	
			19	13.1	12.1	3.74	12.5	11.5	4.03	11.8	11.0	4.32	10.1	10.0	4.11	7.2	7.2	2.83	
			22	14.3	9.6	3.87	13.7	9.2	4.17	13.0	8.9	4.47	11.0	7.9	4.25	7.9	6.1	2.93	
S-125PN1E5A U-125PEY1E5 (U-125PEY1E8)	220V 230V 240V 50Hz 1phase (3phase)	23	16	12.5	9.6	4.18	12.2	9.3	4.50	11.8	9.0	4.82	9.5	7.7	4.58	7.2	6.2	3.16	
			19	13.4	7.3	4.36	13.0	7.1	4.69	12.6	6.9	5.03	10.2	5.8	4.78	7.7	4.6	3.29	
			22	14.7	5.0	4.51	14.3	4.9	4.86	13.8	4.7	5.20	11.1	3.8	4.95	8.4	2.9	3.41	
		25	16	13.0	11.3	4.25	12.6	11.1	4.57	12.2	10.8	4.90	9.9	9.3	4.66	7.4	7.2	3.21	
			19	13.8	8.9	4.43	13.5	8.8	4.77	13.1	8.6	5.12	10.5	7.2	4.86	8.0	5.8	3.35	
			22	15.2	6.7	4.58	14.8	6.6	4.94	14.3	6.3	5.29	11.5	5.2	5.03	8.7	4.1	3.47	
		27	16	13.4	13.2	4.32	13.0	12.9	4.65	12.6	12.6	4.99	10.2	10.2	4.74	7.7	7.7	3.26	
			19	14.3	10.8	4.50	13.9	10.5	4.85	13.5	10.3	5.20	10.9	8.7	4.94	8.2	7.1	3.41	
			22	15.7	8.6	4.66	15.3	8.3	5.02	14.8	8.1	5.38	11.9	6.7	5.11	9.0	5.4	3.52	
		29	16	13.6	13.6	4.33	13.2	13.2	4.66	12.8	12.8	5.00	10.3	10.3	4.75	7.8	7.8	3.27	
			19	14.5	12.5	4.51	14.1	12.1	4.86	13.7	11.9	5.21	11.1	10.2	4.95	8.3	8.0	3.41	
			22	15.9	10.2	4.67	15.5	9.9	5.03	15.0	9.7	5.39	12.1	8.1	5.12	9.1	6.6	3.53	
		32	16	13.8	13.8	4.34	13.4	13.4	4.67	13.0	13.0	5.01	10.5	10.5	4.76	7.9	7.9	3.28	
			19	14.7	12.6	4.52	14.3	12.3	4.88	13.9	12.1	5.23	11.2	10.3	4.97	8.5	8.2	3.42	
			22	16.2	10.4	4.68	15.7	10.0	5.04	15.2	9.9	5.41	12.3	8.3	5.14	9.3	6.8	3.54	
S-140PN1E5A U-140PEY1E8	220V 230V 240V 50Hz 3phase	23	16	14.1	10.4	4.87	14.1	10.5	5.23	13.6	10.1	5.56	12.6	9.8	5.79	9.2	7.7	4.73	
			19	15.1	8.0	5.08	15.1	8.1	5.46	14.5	7.8	5.80	13.5	7.4	6.04	9.8	5.6	4.93	
			22	16.5	5.7	5.25	16.5	5.6	5.64	15.9	5.5	6.00	14.8	5.1	6.25	10.8	3.7	5.10	
		25	16	14.6	12.3	4.95	14.6	12.4	5.32	14.0	11.9	5.66	13.1	11.7	5.88	9.5	9.0	4.81	
			19	15.6	9.8	5.16	15.6	9.9	5.55	15.0	9.5	5.90	13.9	9.2	6.14	10.2	7.2	5.02	
			22	17.1	7.4	5.34	17.1	7.5	5.74	16.4	7.1	6.11	15.3	6.8	6.35	11.2	5.2	5.19	
		27	16	15.1	14.2	5.03	15.1	14.3	5.41	14.5	13.9	5.75	13.5	13.5	5.98	9.9	9.9	4.89	
			19	16.1	11.7	5.25	16.1	11.8	5.64	15.5	11.4	6.00	14.4	11.1	6.24	10.5	8.7	5.10	
			22	17.7	9.3	5.43	17.7	9.4	5.83	17.0	9.0	6.21	15.8	8.7	6.46	11.5	6.7	5.28	
		29	16	15.3	15.3	5.05	15.3	15.3	5.42	14.7	14.7	5.77	13.7	13.7	6.00	10.0	10.0	4.90	
			19	16.4	13.5	5.26	16.4	13.5	5.65	15.7	13.1	6.01	14.6	12.9	6.26	10.7	10.1	5.11	
			22	17.9	11.1	5.44	17.9	11.2	5.85	17.2	10.8	6.22	16.0	10.5	6.47	11.7	8.2	5.29	
		32	16	15.5	15.5	5.06	15.5	15.5	5.43	14.9	14.9	5.78	13.9	13.9	6.01	10.2	10.2	4.91	
			19	16.6	13.7	5.28	16.6	13.7	5.67	16.0	13.4	6.03	14.8	13.0	6.27	10.9	10.3	5.13	
			22	18.2	11.3	5.46	18.2	11.4	5.86	17.5	11.0	6.24	16.3	10.7	6.49	11.9	8.3	5.30	

1-13. Capacity Table

1. Cooling Capacity Performance Data

TC :Cooling Capacity
SHC :Sensible Heat Capacity
IPT :Cooling Power Consumption

• Combination of Multiple Unit

Ducted Type

unit : kW

Model	Power Source	Ambient Return Air		Outdoor air intake temp(°C D.B.)															
				25°C			30°C			35°C			40°C			43°C			
		DB	WB	TC	SHC	IPT	TC	SHC	IPT	TC	SHC	IPT	TC	SHC	IPT	TC	SHC	IPT	
S-36PN1E5A×2 U-71PEY1E5	220V 230V 240V 50Hz 1phase	23	16	7.9	6.8	2.66	7.5	6.5	2.91	7.2	6.3	3.17	6.1	5.5	2.79	5.5	5.2	2.54	
			19	8.5	5.0	2.77	8.1	4.8	3.04	7.7	4.6	3.30	6.5	4.0	2.90	5.9	3.7	2.65	
			22	9.2	3.0	2.88	8.8	2.9	3.16	8.4	2.7	3.43	7.1	2.4	3.02	6.4	2.1	2.75	
		25	16	7.9	7.9	2.66	7.5	7.5	2.91	7.2	7.2	3.17	6.1	6.1	2.79	5.5	5.5	2.54	
			19	8.5	6.1	2.77	8.1	5.9	3.04	7.7	5.7	3.30	6.5	4.9	2.90	5.9	4.7	2.65	
			22	9.2	4.3	2.88	8.8	4.1	3.16	8.4	4.0	3.43	7.1	3.4	3.02	6.4	3.1	2.75	
		27	16	7.9	7.9	2.66	7.5	7.5	2.91	7.2	7.2	3.17	6.1	6.1	2.79	5.5	5.5	2.54	
			19	8.5	7.3	2.77	8.1	7.1	3.04	7.7	6.8	3.30	6.5	5.9	2.90	5.9	5.6	2.65	
			22	9.2	5.4	2.88	8.8	5.3	3.16	8.4	5.1	3.43	7.1	4.4	3.02	6.4	4.2	2.75	
		29	16	7.9	7.9	2.66	7.5	7.5	2.91	7.2	7.2	3.17	6.1	6.1	2.79	5.5	5.5	2.54	
			19	8.5	8.5	2.77	8.1	8.1	3.04	7.7	7.7	3.30	6.5	6.5	2.90	5.9	5.9	2.65	
			22	9.2	6.7	2.88	8.8	6.5	3.16	8.4	6.4	3.43	7.1	5.6	3.02	6.4	5.2	2.75	
		32	16	7.9	7.9	2.66	7.5	7.5	2.91	7.2	7.2	3.17	6.1	6.1	2.79	5.5	5.5	2.54	
			19	8.5	8.5	2.77	8.1	8.1	3.04	7.7	7.7	3.30	6.5	6.5	2.90	5.9	5.9	2.65	
			22	9.2	6.7	2.88	8.8	6.5	3.16	8.4	6.4	3.43	7.1	5.6	3.02	6.4	5.2	2.75	
S-50PN1E5A×2 U-100PEY1E5 (U-100PEY1E8)	220V 230V 240V 50Hz 1phase (3phase)	23	16	11.1	8.7	3.45	10.6	8.4	3.72	10.1	8.0	3.99	8.5	7.1	3.79	6.1	5.6	2.61	
			19	11.9	6.5	3.60	11.3	6.2	3.88	10.7	5.9	4.16	9.1	5.2	3.95	6.5	3.9	2.72	
			22	13.0	4.4	3.73	12.4	4.2	4.01	11.8	3.9	4.30	10.0	3.3	4.09	7.2	2.4	2.82	
		25	16	11.5	10.6	3.51	11.0	10.1	3.78	10.4	9.6	4.06	8.8	8.6	3.85	6.3	6.2	2.66	
			19	12.3	8.2	3.66	11.7	7.8	3.95	11.1	7.4	4.23	9.4	6.7	4.02	6.8	5.2	2.77	
			22	13.5	5.9	3.79	12.8	5.6	4.08	12.2	5.5	4.38	10.3	4.7	4.16	7.4	3.5	2.87	
		27	16	11.9	11.9	3.57	11.3	11.3	3.85	10.8	10.8	4.12	9.1	9.1	3.92	6.6	6.6	2.70	
			19	12.7	10.0	3.72	12.1	9.5	4.01	11.5	9.1	4.30	9.8	8.2	4.09	7.0	6.4	2.82	
			22	13.9	7.7	3.85	13.3	7.3	4.15	12.6	7.1	4.45	10.7	6.2	4.23	7.7	4.8	2.91	
		29	16	12.1	12.1	3.58	11.5	11.5	3.86	10.9	10.9	4.13	9.3	9.3	3.93	6.7	6.7	2.71	
			19	12.9	11.6	3.73	12.3	11.1	4.02	11.7	10.8	4.31	9.9	9.7	4.10	7.1	7.0	2.82	
			22	14.1	9.4	3.86	13.5	9.0	4.16	12.8	8.7	4.46	10.9	7.7	4.24	7.8	5.9	2.92	
		32	16	12.3	12.3	3.59	11.7	11.7	3.86	11.1	11.1	4.14	9.4	9.4	3.94	6.8	6.8	2.71	
			19	13.1	11.8	3.74	12.5	11.3	4.03	11.8	10.9	4.32	10.1	9.9	4.11	7.2	7.1	2.83	
			22	14.3	9.5	3.87	13.7	9.1	4.17	13.0	8.8	4.47	11.0	7.8	4.25	7.9	6.0	2.93	
S-60PN1E5A×2 U-125PEY1E5 (U-125PEY1E8)	220V 230V 240V 50Hz 1phase (3phase)	23	16	12.5	10.3	4.18	12.2	10.1	4.50	11.8	9.8	4.82	9.5	8.4	4.58	7.2	6.8	3.16	
			19	13.4	7.5	4.36	13.0	7.4	4.69	12.6	7.2	5.03	10.2	6.0	4.78	7.7	4.8	3.29	
			22	14.7	4.8	4.51	14.3	4.7	4.86	13.8	4.5	5.20	11.1	3.6	4.95	8.4	2.8	3.41	
		25	16	13.0	12.5	4.25	12.6	12.2	4.57	12.2	11.9	4.90	9.9	9.9	4.66	7.4	7.4	3.21	
			19	13.8	9.6	4.43	13.5	9.4	4.77	13.1	9.2	5.12	10.5	7.7	4.86	8.0	6.3	3.35	
			22	15.2	6.9	4.58	14.8	6.7	4.94	14.3	6.5	5.29	11.5	5.4	5.03	8.7	4.2	3.47	
		27	16	13.4	13.4	4.32	13.0	13.0	4.65	12.6	12.6	4.99	10.2	10.2	4.74	7.7	7.7	3.26	
			19	14.3	11.7	4.50	13.9	11.5	4.85	13.5	11.2	5.20	10.9	9.6	4.94	8.2	7.7	3.41	
			22	15.7	9.0	4.66	15.3	8.9	5.02	14.8	8.6	5.38	11.9	7.2	5.11	9.0	5.8	3.52	
		29	16	13.6	13.6	4.33	13.2	13.2	4.66	12.8	12.8	5.00	10.3	10.3	4.75	7.8	7.8	3.27	
			19	14.5	13.8	4.51	14.1	13.4	4.86	13.7	13.2	5.21	11.1	11.1	4.95	8.3	8.3	3.41	
			22	15.9	11.0	4.67	15.5	10.8	5.03	15.0	10.5	5.39	12.1	8.9	5.12	9.1	7.3	3.53	
		32	16	13.8	13.8	4.34	13.4	13.4	4.67	13.0	13.0	5.01	10.5	10.5	4.76	7.9	7.9	3.28	
			19	14.7	14.0	4.52	14.3	13.6	4.88	13.9	13.3	5.23	11.2	11.2	4.97	8.5	8.5	3.42	
			22	16.2	11.2	4.68	15.7	11.0	5.04	15.2	10.7	5.41	12.3	9.1	5.14	9.3	7.5	3.54	
S-71PN1E5A×2 U-140PEY1E8	220V 230V 240V 50Hz 3phase	23	16	14.1	11.0	4.87	14.1	11.0	5.23	13.6	10.8	5.56	12.6	10.4	5.79	9.2	8.2	4.73	
			19	15.1	8.2	5.08	15.1	8.3	5.46	14.5	8.0	5.80	13.5	7.7	6.04	9.8	5.9	4.93	
			22	16.5	5.5	5.25	16.5	5.5	5.64	15.9	5.3	6.00	14.8	4.9	6.25	10.8	3.6	5.10	
		25	16	14.6	13.2	4.95	14.6	13.2	5.32	14.0	12.9	5.66	13.1	12.7	5.88	9.5	9.3	4.81	
			19	15.6	10.4	5.16	15.6	10.4	5.55	15.0	10.1	5.90	13.9	9.7	6.14	10.2	7.6	5.02	
			22	17.1	7.5	5.34	17.1	7.6	5.74	16.4	7.3	6.11	15.3	6.9	6.35	11.2	5.3	5.19	
		27	16	15.1	15.1	5.03	15.1	15.1	5.41	14.5	14.5	5.75	13.5	13.5	5.98	9.9	9.9	4.89	
			19	16.1	12.5	5.25	16.1	12.6	5.64	15.5	12.2	6.00	14.4	12.0	6.24	10.5	9.5	5.10	
			22	17.7	9.8	5.43	17.7	9.7	5.83	17.0	9.5	6.21	15.8	9.1	6.46	11.5	7.0	5.28	
		29	16	15.3	15.3	5.05	15.3	15.3	5.42	14.7	14.7	5.77	13.7	13.7	6.00	10.0	10.0	4.90	
			19	16.4	14.7	5.26	16.4	14.8	5.65	15.7	14.2	6.01	14.6	14.0	6.26	10.7	10.5	5.11	
			22	17.9	11.8	5.44	17.9	11.9	5.85	17.2	11.5	6.22	16.0	11.2	6.47	11.7	8.8	5.29	
		32	16	15.5	15.5	5.06	15.5	15.5	5.43	14.9	14.9	5.78	13.9	13.9	6.01	10.2	10.2	4.91	
			19	16.6	14.9	5.28	16.6	15.0	5.67	16.0	14.5	6.03	14.8	14.2	6.27	10.9	10.7	5.13	
			22	18.2	12.0	5.46	18.2	12.1	5.86	17.5	11.7	6.24	16.3	11.4	6.49	11.9	8.9	5.30	

1-13. Capacity Table

2. Heating Capacity Performance Data

TC :Cooling Capacity
IPT :Cooling Power Consumption

- **Combination of Single Unit**

Ducted Type

unit : kW

Model	Power Source	Ambient Return Air	Outdoor air intake temp(°C W.B.)									
			-5°C		0°C		6°C		10°C		15°C	
		DB	TC	IPT	TC	IPT	TC	IPT	TC	IPT	TC	IPT
S-50PN1E5A U-50PE1E5	220V 230V 240V 50Hz 1 phase	16	4.4	1.96	4.7	2.02	6.5	2.39	8.0	2.87	8.5	2.75
		20	4.3	2.07	4.6	2.12	6.3	2.52	7.8	3.02	8.3	2.89
		24	4.1	2.13	4.4	2.19	6.0	2.60	7.5	3.11	7.9	2.98
S-60PN1E5A U-60PE1E5A	220V 230V 240V 50Hz 1 phase	16	7.3	2.54	7.5	2.55	8.6	2.55	8.8	2.42	8.8	2.27
		20	7.0	2.61	7.2	2.63	8.0	2.59	8.0	2.46	8.0	2.31
		24	6.6	2.69	6.8	2.71	7.2	2.62	7.2	2.50	7.2	2.34
S-71PN1E5A U-71PE1E5A (U-71PE1E8A)	220V 230V 240V 50Hz 1 phase (3 phase)	16	8.2	2.90	8.5	2.92	9.7	2.88	9.9	2.69	9.9	2.48
		20	7.8	2.98	8.1	3.00	9.0	2.92	9.0	2.74	9.0	2.51
		24	7.4	3.07	7.7	3.09	8.1	2.98	8.1	2.79	8.1	2.57
S-100PN1E5A U-100PE1E5A (U-100PE1E8A)	220V 230V 240V 50Hz 1 phase (3 phase)	16	15.1	5.08	15.1	4.88	15.1	4.25	15.1	3.74	15.1	3.17
		20	14.0	5.38	14.0	5.17	14.0	4.50	14.0	3.96	14.0	3.35
		24	13.1	5.46	13.1	5.25	13.1	4.57	13.1	4.03	13.1	3.41
S-125PN1E5A U-125PE1E5A (U-125PE1E8A)	220V 230V 240V 50Hz 1 phase (3 phase)	16	16.7	5.73	17.2	5.64	17.3	5.10	17.3	4.49	17.3	3.80
		20	15.5	6.06	15.9	5.96	16.0	5.40	16.0	4.75	16.0	4.02
		24	14.5	6.16	14.9	6.06	15.0	5.49	15.0	4.83	15.0	4.09
S-140PN1E5A U-140PE1E5A (U-140PE1E8A)	220V 230V 240V 50Hz 1 phase (3 phase)	16	18.1	5.91	19.2	5.89	19.4	5.76	19.4	5.08	19.4	4.29
		20	16.7	6.26	17.8	6.23	18.0	6.10	18.0	5.37	18.0	4.54
		24	15.7	6.36	16.7	6.33	16.9	6.20	16.9	5.46	16.9	4.62

1-13. Capacity Table

2. Heating Capacity Performance Data

• Combination of Multiple Unit

Ducted Type

TC :Cooling Capacity

IPT :Cooling Power Consumption

unit : kW

Model	Power Source	Ambient Return Air	Outdoor air intake temp(°C W.B.)									
			-5°C		0°C		6°C		10°C		15°C	
		DB	TC	IPT	TC	IPT	TC	IPT	TC	IPT	TC	IPT
S-36PN1E5A×2 U-71PE1E5A (U-71PE1E8A)	220V 230V 240V 50Hz 1 phase (3 phase)	16	8.2	2.90	8.5	2.92	9.7	2.88	9.9	2.69	9.9	2.48
		20	7.8	2.98	8.1	3.00	9.0	2.92	9.0	2.74	9.0	2.51
		24	7.4	3.07	7.7	3.09	8.1	2.98	8.1	2.79	8.1	2.57
S-36PN1E5A×3 U-100PE1E5A (U-100PE1E8A)	220V 230V 240V 50Hz 1 phase (3 phase)	16	15.1	5.08	15.1	4.88	15.1	4.25	15.1	3.74	15.1	3.17
		20	14.0	5.38	14.0	5.17	14.0	4.50	14.0	3.96	14.0	3.35
		24	13.1	5.46	13.1	5.25	13.1	4.57	13.1	4.03	13.1	3.41
S-50PN1E5A×2 U-100PE1E5A (U-100PE1E8A)	220V 230V 240V 50Hz 1 phase (3 phase)	16	15.1	5.08	15.1	4.88	15.1	4.25	15.1	3.74	15.1	3.17
		20	14.0	5.38	14.0	5.17	14.0	4.50	14.0	3.96	14.0	3.35
		24	13.1	5.46	13.1	5.25	13.1	4.57	13.1	4.03	13.1	3.41
S-36PN1E5A×4 U-125PE1E5A (U-125PE1E8A)	220V 230V 240V 50Hz 1 phase (3 phase)	16	16.7	5.73	17.2	5.64	17.3	5.10	17.3	4.49	17.3	3.80
		20	15.5	6.06	15.9	5.96	16.0	5.40	16.0	4.75	16.0	4.02
		24	14.5	6.16	14.9	6.06	15.0	5.49	15.0	4.83	15.0	4.09
S-45PN1E5A×3 U-125PE1E5A (U-125PE1E8A)	220V 230V 240V 50Hz 1 phase (3 phase)	16	16.7	5.73	17.2	5.64	17.3	5.10	17.3	4.49	17.3	3.80
		20	15.5	6.06	15.9	5.96	16.0	5.40	16.0	4.75	16.0	4.02
		24	14.5	6.16	14.9	6.06	15.0	5.49	15.0	4.83	15.0	4.09
S-60PN1E5A×2 U-125PE1E5A (U-125PE1E8A)	220V 230V 240V 50Hz 1 phase (3 phase)	16	16.7	5.73	17.2	5.64	17.3	5.10	17.3	4.49	17.3	3.80
		20	15.5	6.06	15.9	5.96	16.0	5.40	16.0	4.75	16.0	4.02
		24	14.5	6.16	14.9	6.06	15.0	5.49	15.0	4.83	15.0	4.09
S-50PN1E5A×3 U-140PE1E5A (U-140PE1E8A)	220V 230V 240V 50Hz 1 phase (3 phase)	16	18.1	5.91	19.2	5.89	19.4	5.76	19.4	5.08	19.4	4.29
		20	16.7	6.26	17.8	6.23	18.0	6.10	18.0	5.37	18.0	4.54
		24	15.7	6.36	16.7	6.33	16.9	6.20	16.9	5.46	16.9	4.62
S-71PN1E5A×2 U-140PE1E5A (U-140PE1E8A)	220V 230V 240V 50Hz 1 phase (3 phase)	16	18.1	5.91	19.2	5.89	19.4	5.76	19.4	5.08	19.4	4.29
		20	16.7	6.26	17.8	6.23	18.0	6.10	18.0	5.37	18.0	4.54
		24	15.7	6.36	16.7	6.33	16.9	6.20	16.9	5.46	16.9	4.62

1-13. Capacity Table

2. Heating Capacity Performance Data

- **Combination of Single Unit**

Ducted Type

TC :Cooling Capacity
IPT :Cooling Power Consumption
unit : kW

Model	Power Source	Ambient Return Air	Outdoor air intake temp(°C W.B.)									
			-5°C		0°C		6°C		10°C		15°C	
		DB	TC	IPT	TC	IPT	TC	IPT	TC	IPT	TC	IPT
S-60PN1E5A U-60PEY1E5	220V 230V 240V 50Hz 1 phase	16	5.6	2.12	5.9	2.16	7.2	2.30	8.3	2.57	9.5	2.80
		20	5.4	2.23	5.7	2.27	7.0	2.42	8.1	2.71	9.2	2.95
		24	5.2	2.30	5.5	2.34	6.7	2.49	7.8	2.79	8.8	3.04
S-71PN1E5A U-71PEY1E5	220V 230V 240V 50Hz 1 phase	16	5.6	2.16	6.1	2.26	8.3	2.64	9.4	2.87	10.6	3.10
		20	5.5	2.27	6.0	2.37	8.1	2.78	9.1	3.02	10.2	3.26
		24	5.2	2.34	5.7	2.45	7.8	2.86	8.7	3.11	9.8	3.36
S-100PN1E5A U-100PEY1E5 (U-100PEY1E8)	220V 230V 240V 50Hz 1 phase (3 phase)	16	13.4	4.48	13.9	4.05	14.9	3.87	13.9	2.94	15.6	3.08
		20	12.4	4.74	12.9	4.29	13.8	4.10	12.9	3.11	14.5	3.26
		24	11.6	4.82	12.1	4.36	12.9	4.17	12.0	3.16	13.5	3.31
S-125PN1E5A U-125PEY1E5 (U-125PEY1E8)	220V 230V 240V 50Hz 1 phase (3 phase)	16	14.5	5.03	15.2	4.55	16.2	4.35	15.1	3.30	17.0	3.45
		20	13.5	5.32	14.0	4.81	15.0	4.60	14.0	3.49	15.7	3.65
		24	12.6	5.41	13.1	4.89	14.0	4.67	13.1	3.55	14.7	3.71
S-140PN1E5A U-140PEY1E8	220V 230V 240V 50Hz 3phase	16	16.7	5.52	17.2	5.43	17.3	4.91	17.3	4.33	17.3	3.66
		20	15.5	5.84	15.9	5.74	16.0	5.20	16.0	4.58	16.0	3.87
		24	14.5	5.93	14.9	5.84	15.0	5.28	15.0	4.65	15.0	3.94

1-13. Capacity Table

2. Heating Capacity Performance Data

TC :Cooling Capacity
IPT :Cooling Power Consumption

• Combination of Multiple Unit

Ducted Type

unit : kW

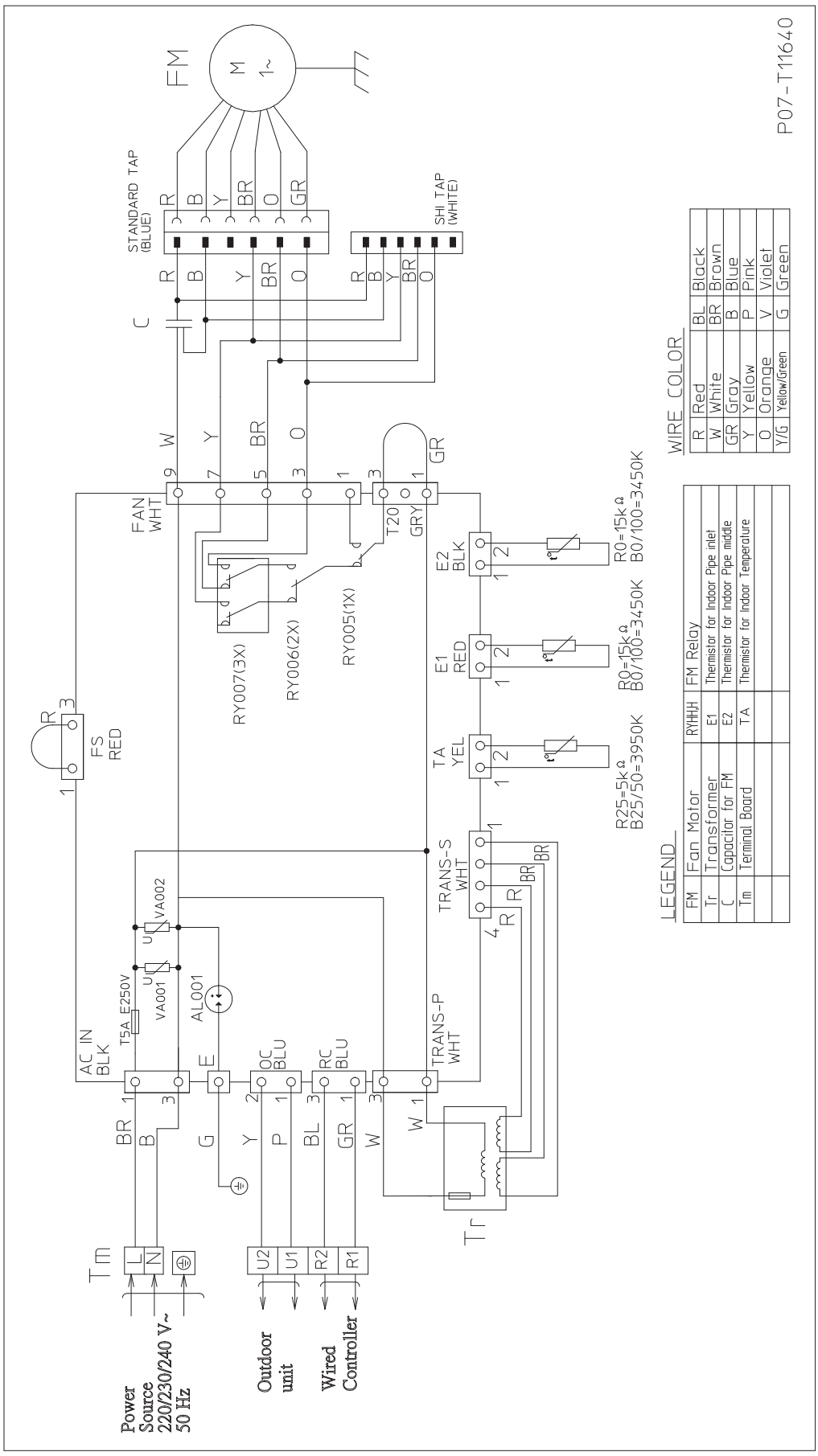
Model	Power Source	Ambient Return Air	Outdoor air intake temp(°C W.B.)									
			-5°C		0°C		6°C		10°C		15°C	
		DB	TC	IPT	TC	IPT	TC	IPT	TC	IPT	TC	IPT
S-36PN1E5A×2 U-71PEY1E5	220V 230V 240V 50Hz 1 phase	16	5.6	2.20	6.1	2.30	8.3	2.70	9.4	2.93	10.6	3.17
		20	5.5	2.32	6.0	2.43	8.1	2.84	9.1	3.09	10.2	3.33
		24	5.2	2.39	5.7	2.50	7.8	2.93	8.7	3.18	9.8	3.43
S-50PN1E5A×2 U-100PEY1E5 (U-100PEY1E8)	220V 230V 240V 50Hz 1 phase (3 phase)	16	13.4	4.48	13.9	4.05	14.9	3.87	13.9	2.94	15.6	3.08
		20	12.4	4.74	12.9	4.29	13.8	4.10	12.9	3.11	14.5	3.26
		24	11.6	4.82	12.1	4.36	12.9	4.17	12.0	3.16	13.5	3.31
S-60PN1E5A×2 U-125PEY1E5 (U-125PEY1E8)	220V 230V 240V 50Hz 1 phase (3 phase)	16	14.5	5.03	15.2	4.55	16.2	4.35	15.1	3.30	17.0	3.45
		20	13.5	5.32	14.0	4.81	15.0	4.60	14.0	3.49	15.7	3.65
		24	12.6	5.41	13.1	4.89	14.0	4.67	13.1	3.55	14.7	3.71
S-71PN1E5A×2 U-140PEY1E8	220V 230V 240V 50Hz 3phase	16	16.7	5.52	17.2	5.43	17.3	4.91	17.3	4.33	17.3	3.66
		20	15.5	5.84	15.9	5.74	16.0	5.20	16.0	4.58	16.0	3.87
		24	14.5	5.93	14.9	5.84	15.0	5.28	15.0	4.65	15.0	3.94

3. ELECTRICAL DATA

3-1. Indoor Units

■ Ducted Type S-36PN1E5A / S-45PN1E5A / S-50PN1E5A

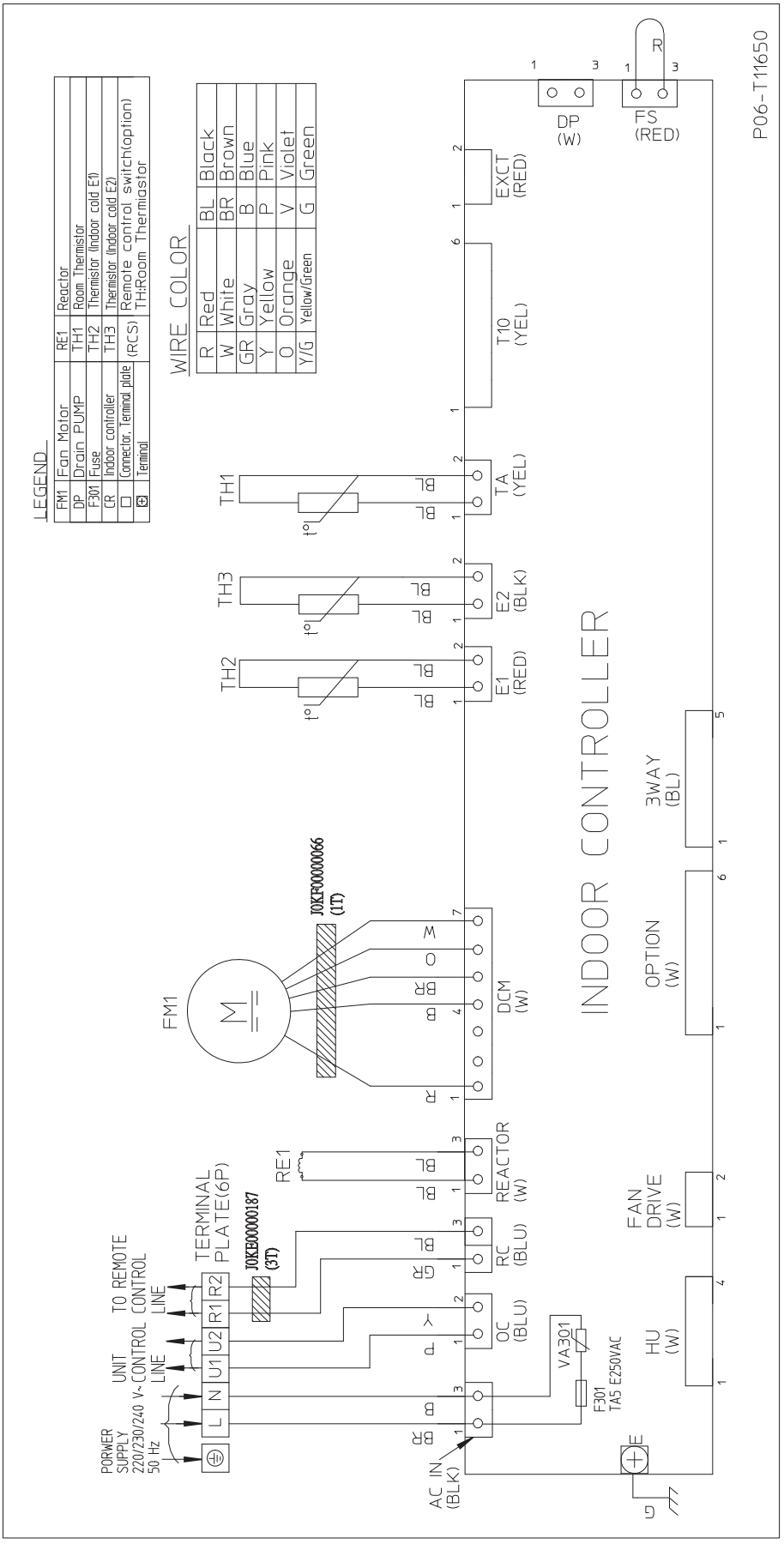
Electric Wiring Diagram



3-1. Indoor Units

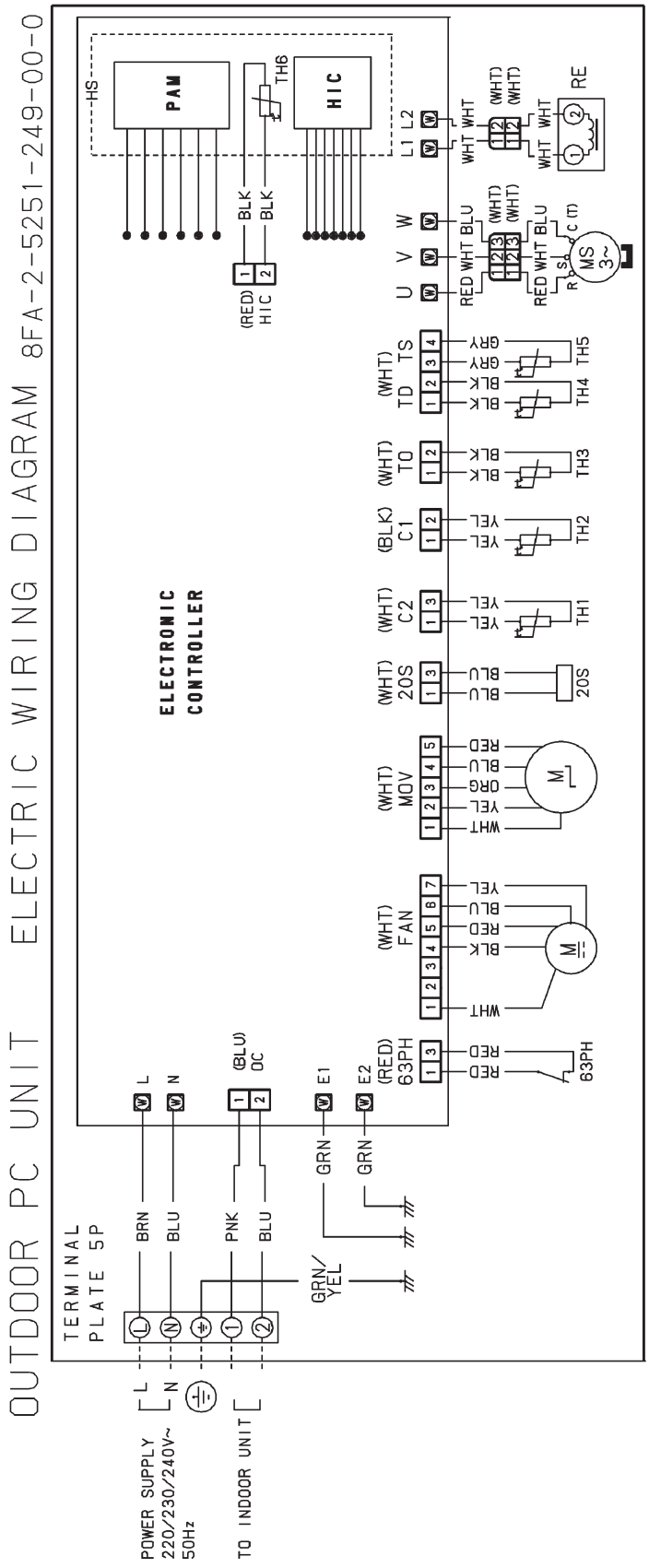
■ Ducted Type S-60PN1E5A / S-71PN1E5A / S-100PN1E5A / S-125PN1E5A / S-140PN1E5A

Electric Wiring Diagram



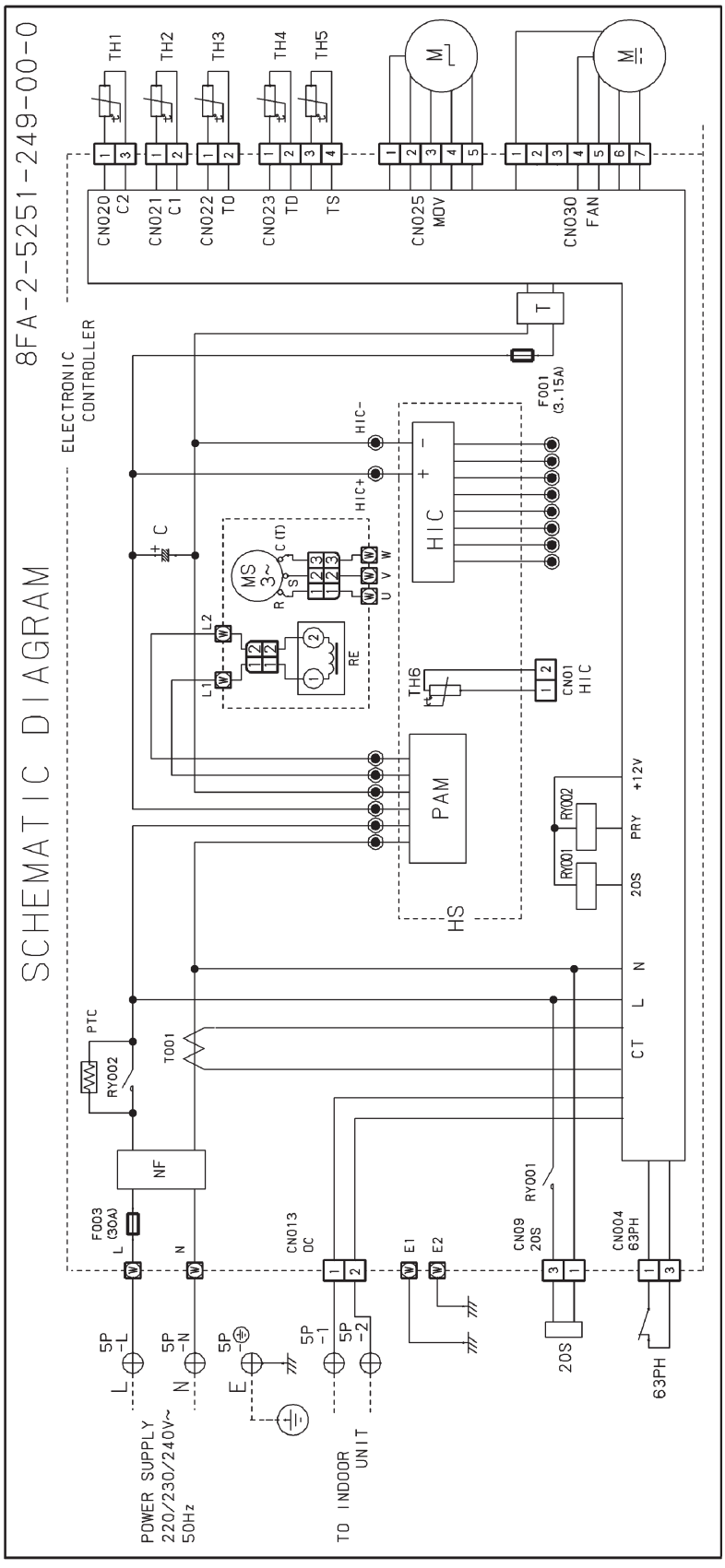
3-2. Outdoor Units

■ **Single-phase U-50PE1E5**



3-2. Outdoor Units

■ **Single-phase U-50PE1E5**



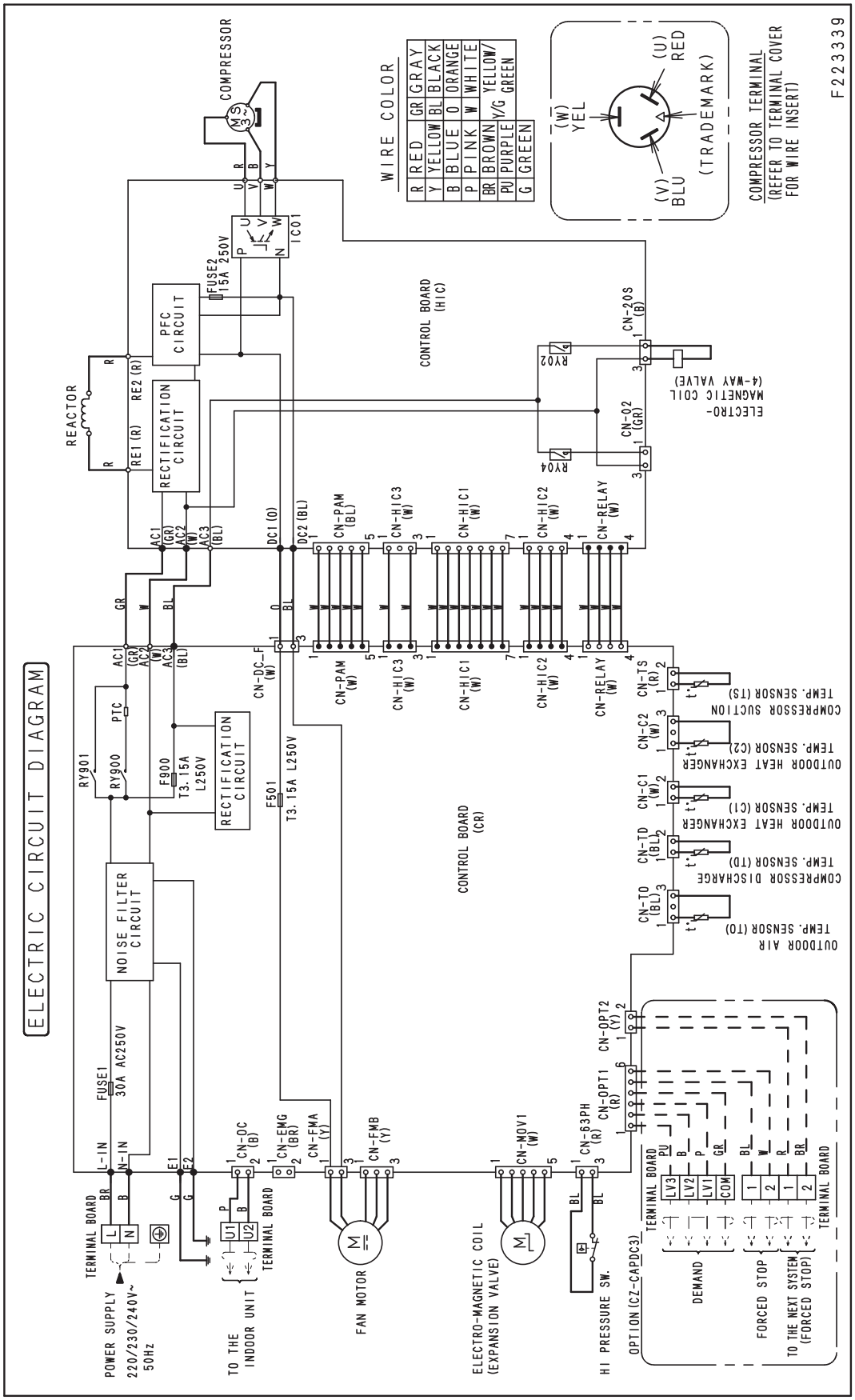
SYMBOLS	DESCRIPTION	SYMBOLS	DESCRIPTION	SYMBOLS	DESCRIPTION	SYMBOLS	DESCRIPTION
MS 3~	COMPRESSOR MOTOR	NF	NOISE FILTER	HS	HEAT SINK (RADIATOR)		THERMISTOR
M	OUTDOOR FAN MOTOR	C	ELECTROLYTIC CAPACITOR	TO01	CURRENT TRANSFORMER		CONNECTOR
20S	4-WAY VALVE	RE	REACTOR	PTC	PTC THERMISTOR		LEAD WIRE
M	EXPANSION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

WARNING

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

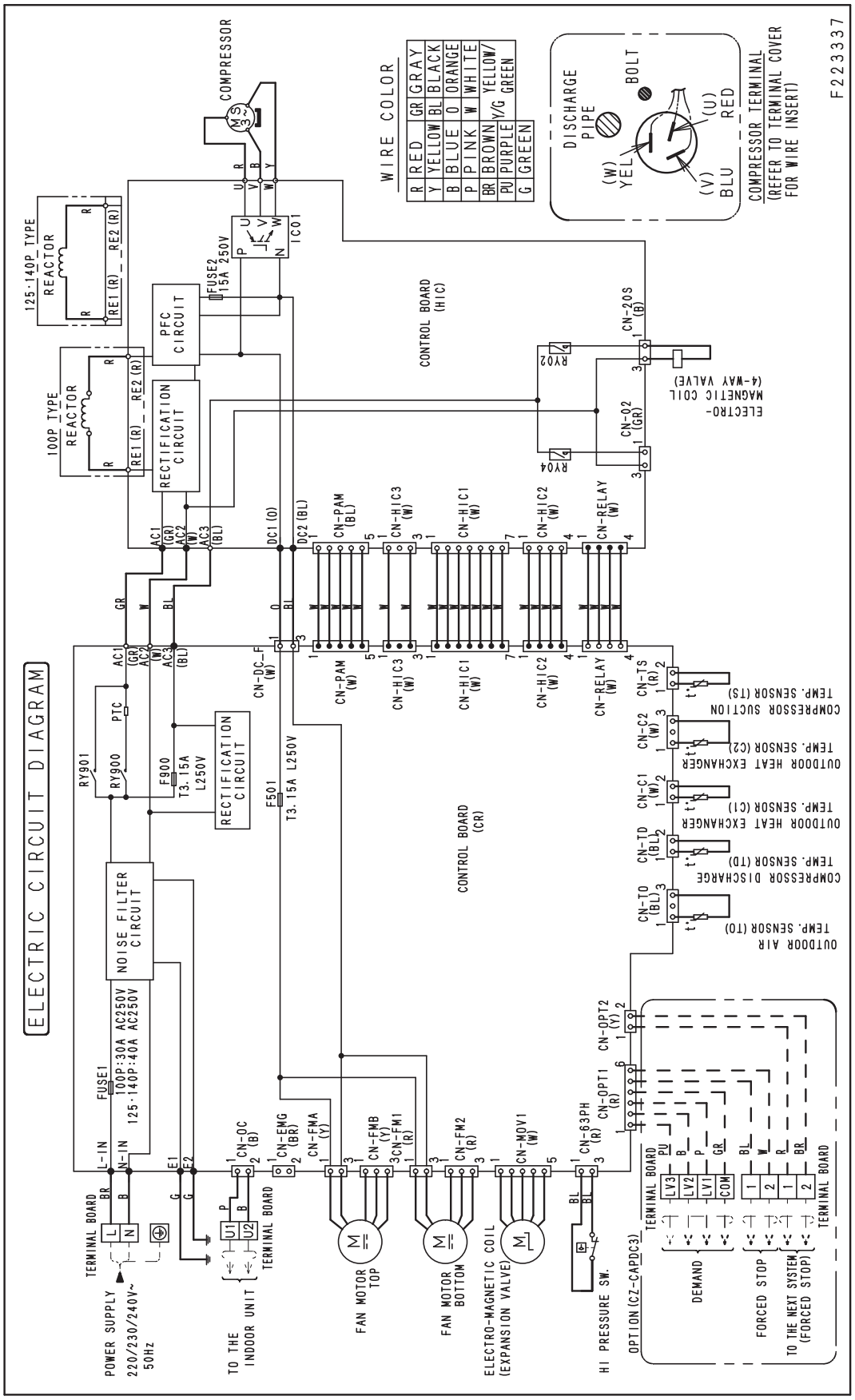
3-2. Outdoor Units

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



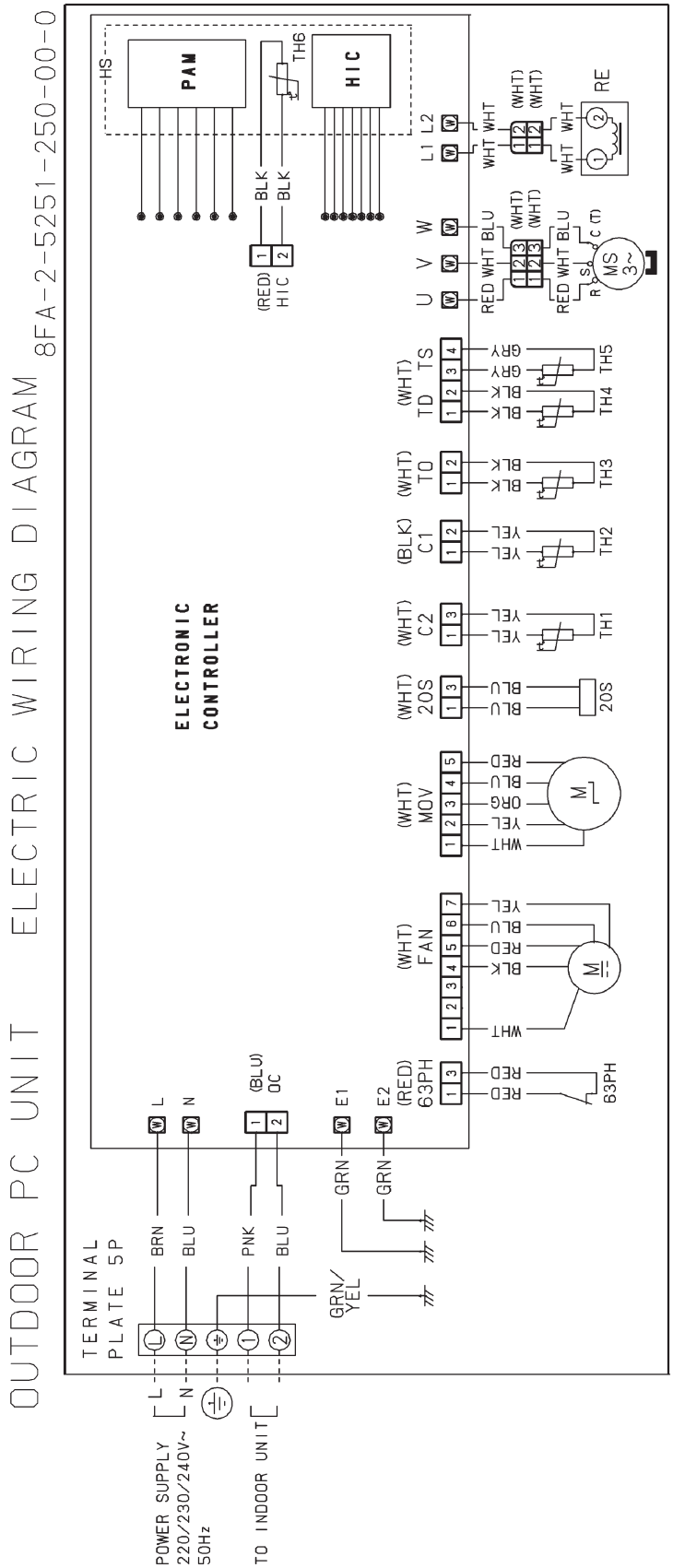
3-2. Outdoor Units

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



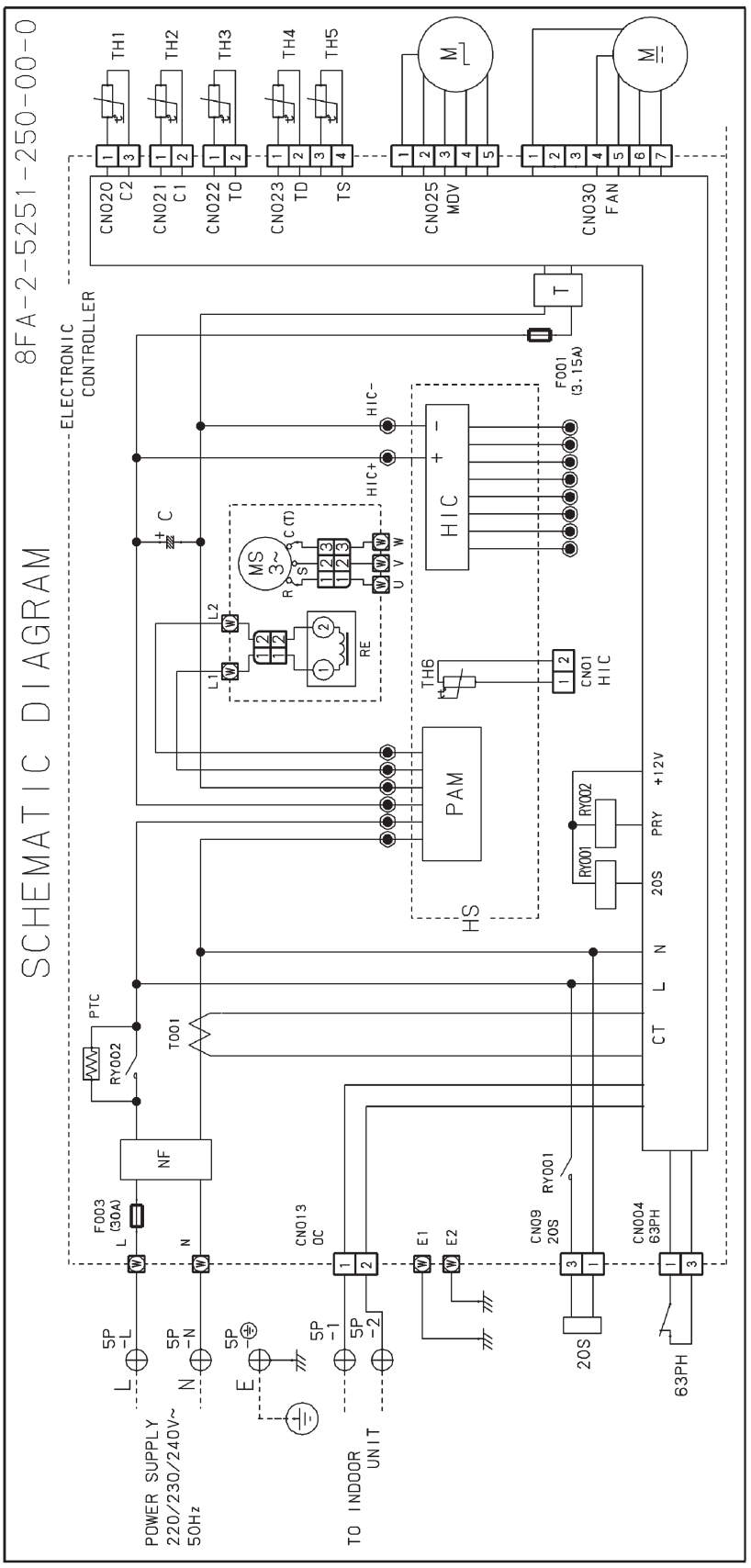
3-2. Outdoor Units

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



3-2. Outdoor Units

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



SYMBOLS	DESCRIPTION
MS 3~	COMPRESSOR MOTOR
M	OUTDOOR FAN MOTOR
20S	4-WAY VALVE
M	EXPANSION VALVE
F001, 003	OPERATION CIRCUIT FUSE

SYMBOLS	DESCRIPTION
NF	NOISE FILTER
C	ELECTROLYTIC CAPACITOR
RE	REACTOR
HIC	HYBRID IC
PAM	PAM IC

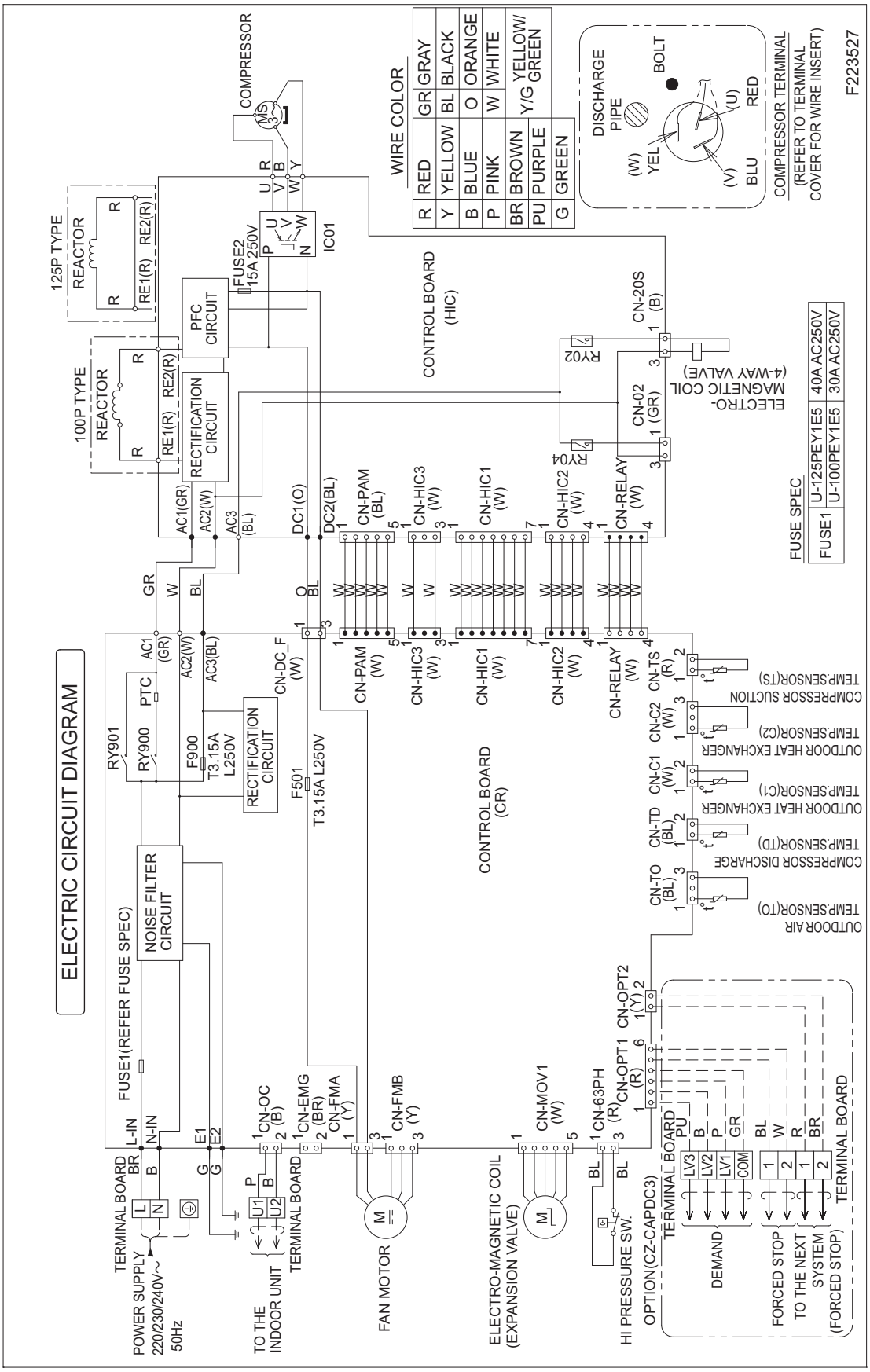
SYMBOLS	DESCRIPTION
HS	HEAT SINK (RADIATOR)
TO01	CURRENT TRANSFORMER
PTC	PTC THERMISTOR
T	TRANSFORMER
RY001, 002	RELAY

SYMBOLS	DESCRIPTION
	THERMISTOR
	CONNECTOR
	LEAD WIRE
	TERMINAL BOARD
63PH	PRESSURE SWITCH

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

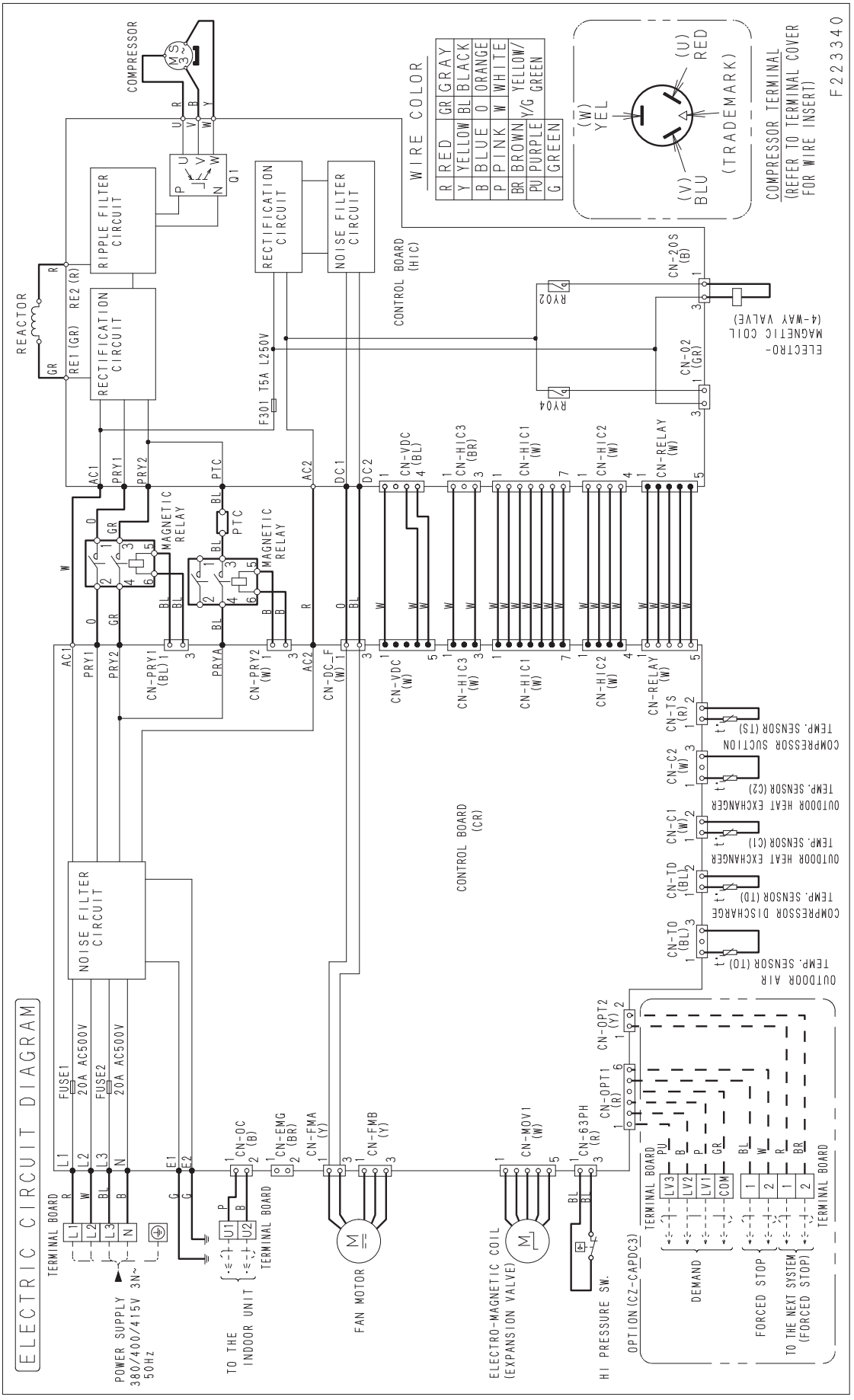
3-2. Outdoor Units

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



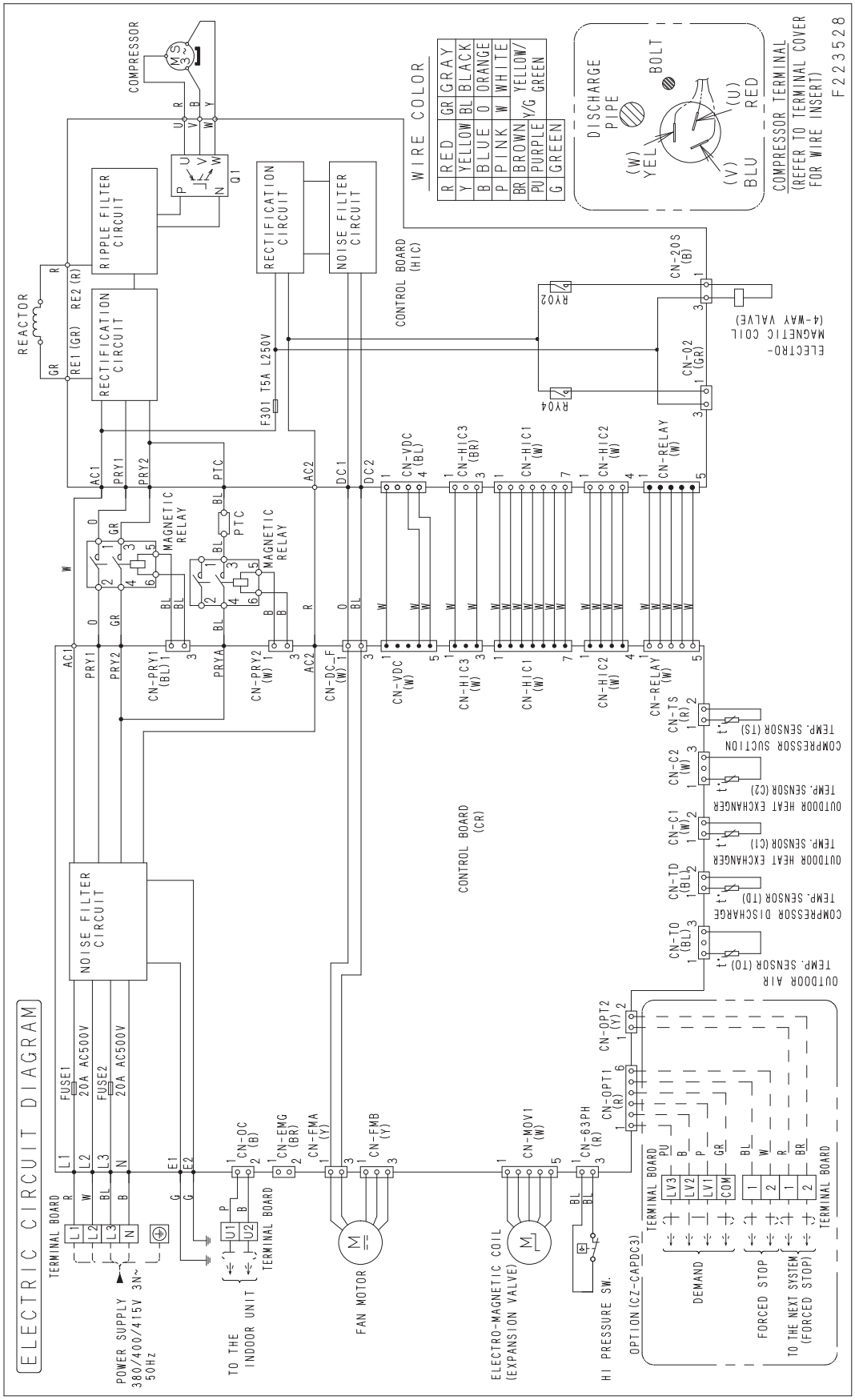
3-2. Outdoor Units

■ 3-phase U-71PE1E8A



3-2. Outdoor Units

■ 3-phase U-100PEY1E8 / U-125PEY1E8



3-2. Outdoor Units

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