Changes for the Better

CE

MITSUBISHI ELECTRIC

SPLIT-TYPE, HEAT PUMP AIR CONDITIONERS

2004

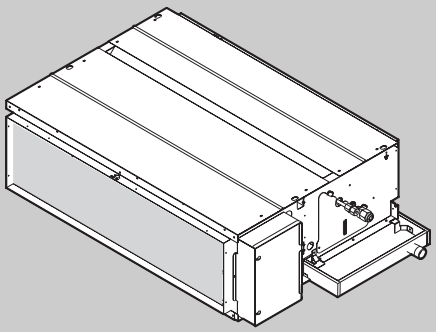
TECHNICAL & SERVICE MANUAL

Series PEAD Ceiling Concealed R407C/R410A

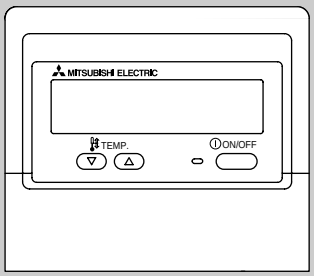
<indoor unit> Service ref.

Models PEAD-RP1.6EA
PEAD-RP2EA
PEAD-RP2.5EA
PEAD-RP3EA1
PEAD-RP4EA1
PEAD-RP5EA1
PEAD-RP6EA1

- Refer to the OCT04 as for control relation.This manual does not cover outdoor units.
  When servicing them, please refer to the service manual
  OC261 REVISED EDITION-B,
  OC294 REVISED EDITION-A
  and this manual as a set.



INDOOR UNIT



REMOTE CONTROLLER

CONTENTS

Mr.SLIM™

1 COMBINATION OF INDOOR AND OUTDOOR UNITS

(R410A Inverter)

Indoor unit	Outdoor unit [OC294]						
	Heat pump type						
	PUHZ-RP						
	1.6VHA	2VHA	2.5VHA	3VHA	4VHA	5VHA	6VHA
PEAD-RP1.6EA	○	—	—	—	—	—	—
PEAD-RP2EA	—	○	—	—	—	—	—
PEAD-RP2.5EA	—	—	○	—	—	—	—
PEAD-RP3EA1	—	—	—	○	—	—	—
PEAD-RP4EA1	—	—	—	—	○	—	—
PEAD-RP5EA1	—	—	—	—	—	○	—
PEAD-RP6EA1	—	—	—	—	—	—	○

(R407C Fixed speed)

Indoor unit	Outdoor unit [OC261 REVISED EDITION-B]											
	Heat pump type						Cooling only type					
	PUH-P						PU-P					
	1.6		2		2.5		1.6		2		2.5	
	VGAA.UK VGAA1.UK	YGAA.UK YGAA1.UK	VGAA.UK VGAA1.UK	YGAA.UK YGAA1.UK	VGAA.UK VGAA1.UK	YGAA.UK YGAA1.UK	VGAA.UK VGAA1.UK	YGAA.UK YGAA1.UK	VGAA.UK VGAA1.UK	YGAA.UK YGAA1.UK	VGAA.UK VGAA1.UK	YGAA.UK YGAA1.UK
PEAD-RP1.6EA	○	○	—	—	—	—	○	○	—	—	—	—
PEAD-RP2EA	—	—	○	○	—	—	—	—	○	○	—	—
PEAD-RP2.5EA	—	—	—	—	○	○	—	—	—	—	○	○

Indoor unit	Outdoor unit [OC261 REVISED EDITION-B]					
	Heat pump type					
	PUH-P					
	3		4		5	6
	VGAA.UK VGAA1.UK	YGAA.UK YGAA1.UK	VGAA.UK VGAA1.UK	YGAA.UK YGAA1.UK	YGAA.UK YGAA1.UK	YGAA.UK YGAA1.UK
PEAD-RP3EA1	○	○	—	—	—	—
PEAD-RP4EA1	—	—	○	○	—	—
PEAD-RP5EA1	—	—	—	—	○	—
PEAD-RP6EA1	—	—	—	—	—	○

Indoor unit	Outdoor unit [OC261 REVISED EDITION-B]					
	Cooling only type					
	PU-P					
	3		4		5	6
	VGAA.UK VGAA1.UK	YGAA.UK YGAA1.UK	VGAA.UK VGAA1.UK	YGAA.UK YGAA1.UK	YGAA.UK YGAA1.UK	YGAA.UK YGAA1.UK
PEAD-RP3EA1	○	○	—	—	—	—
PEAD-RP4EA1	—	—	○	○	—	—
PEAD-RP5EA1	—	—	—	—	○	—
PEAD-RP6EA1	—	—	—	—	—	○

2 SAFETY PRECAUTION

CAUTIONS RELATED TO NEW REFRIGERANT

<Cautions for units utilizing refrigerant R410A>

Use new refrigerant pipes.

In case of using the existing pipes for R22, be careful with the following.
· For RP4 be sure to perform pipe replacement operation before test run.
· Use flare nut as provided with this product. Use a newly flared pipe.
· Avoid using thin pipes. For the detail, please refer to the outdoor unit service manual No. OC294.

Make sure that the inside and outside of refrigerant piping is clean and it has no contamination such as sulfur which is hazardous for use, oxides, dirt, shaving particles, etc. In addition, use pipes with specified thickness.

Contamination inside refrigerant piping can cause deterioration of refrigerant oil etc.

Store the piping to be used during installation indoors and keep both ends of the piping sealed until just before brazing. (Leave elbow joints, etc. in their packaging.)

If dirt, dust or moisture enter into refrigerant cycle, that can cause deterioration of refrigerant oil or malfunction of compressor.

Use ester oil, ether oil or alkylbenzene oil (small amount) as the refrigerant oil applied to flares and flange connections.

If large amount of mineral oil enter, that can cause deterioration of refrigerant oil etc.

Charge refrigerant from liquid phase of gas cylinder.

If the refrigerant is charged from gas phase, composition change may occur in refrigerant and the efficiency will be lowered.

Do not use refrigerant other than R410A.

If other refrigerant (R22 etc.) is used, chlorine in refrigerant can cause deterioration of refrigerant oil etc.

Use a vacuum pump with a reverse flow check valve.

If no reverse flow check valve is used, vacuum pump oil may flow back into refrigerant cycle and that can cause deterioration of refrigerant oil etc.

Use the following tools specifically designed for use with R410A refrigerant.

The following tools are necessary to use R410A refrigerant.

Tools (for R410A)	
Gauge manifold	Flare tool
Charge hose	Size adjustment gauge
Gas leak detector	Vacuum pump adaptor
Torque wrench	Electronic refrigerant charging scale

Keep the tools with care.

If dirt, dust or moisture enter into refrigerant cycle, that can cause deterioration of refrigerant oil or malfunction of compressor.

Do not use a charging cylinder without syphone tube.

If a charging cylinder is used without syphone tube, the composition of refrigerant will change and the efficiency will be lowered.

Ventilate the room if refrigerant leaks during operation. If refrigerant comes into contact with a flame, poisonous gases will be released.

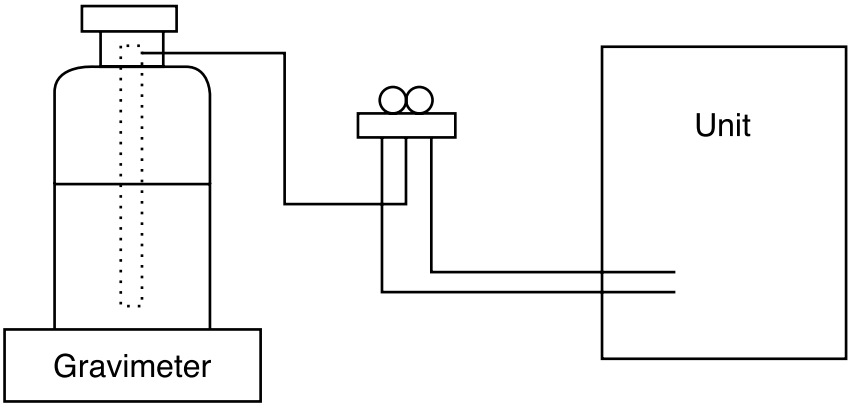
[1] Cautions for installing or relocation of unit

(1) Perform service after collecting the refrigerant left in unit completely.
(2) Do not release refrigerant in the air.
(3) After completing service, charge the system with the specified amount of refrigerant.
(4) When performing service, install a filter drier simultaneously.
Be sure to use a filter drier for new refrigerant.

[2] Additional refrigerant charge

When charging directly from cylinder

Ensure that the cylinder for R410A is syphon type.
Charging should be performed with the syphon cylinder type stood vertically.
(Refrigerant must be charged from liquid phase.)



[3] Service tools

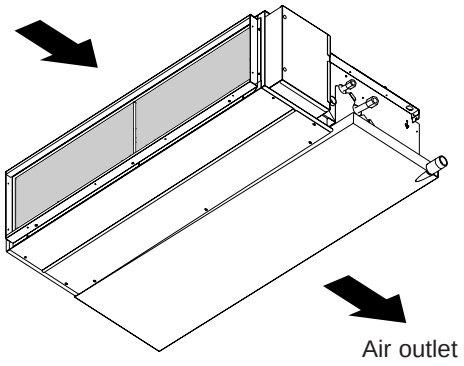
Use the below service tools as exclusive tools for R410A refrigerant.

No.		Specifications
①	Gauge manifold	• Only for R410A
		• Use the existing fitting specifications. (UNF1/2)
		• Use high-tension side pressure of 5.3MPa·G or over.
②	Charge hose	• Only for R410A
		• Use pressure performance of 5.09MPa·G or over.
③	Electronic scale	——
④	Gas leak detector	• Use the detector for R134a, R407C or R410A.
⑤	Adaptor for reverse flow check	• Attach on vacuum pump.
⑥	Refrigerant charge base	——
⑦	Refrigerant cylinder	• Only for R410A Top of cylinder (Pink) Cylinder with syphon
⑧	Refrigerant recovery equipment	——

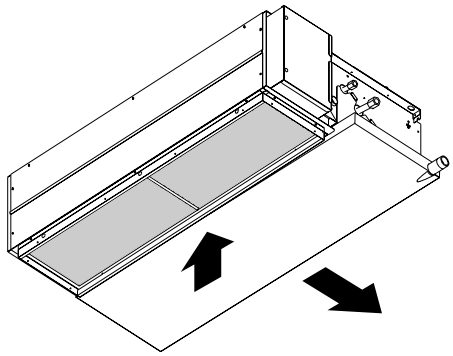
3 PART NAMES AND FUNCTIONS

• **Indoor Unit**

Air intake (sucks the air inside the room into the unit)



In case of rear inlet

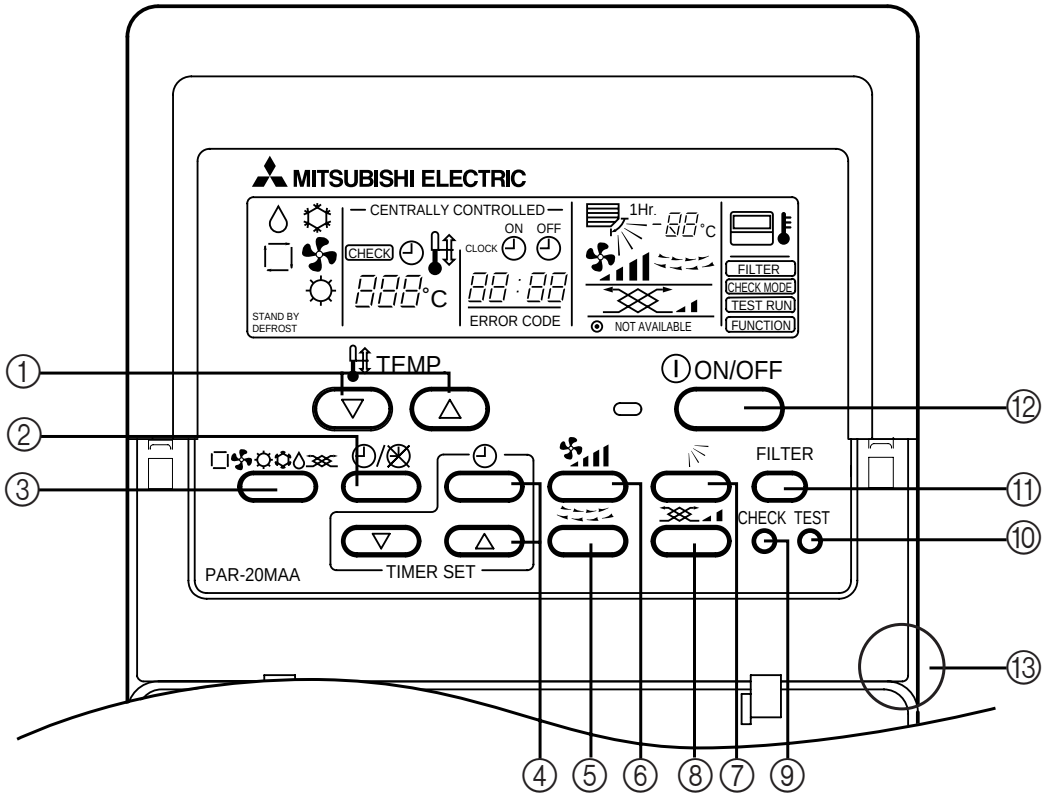


In case of bottom inlet
(Only 1.6~2.5HP)

• Remote controller

- Once the operation of the unit is set, subsequent operations can be performed only by pressing the ON/OFF button repeatedly.

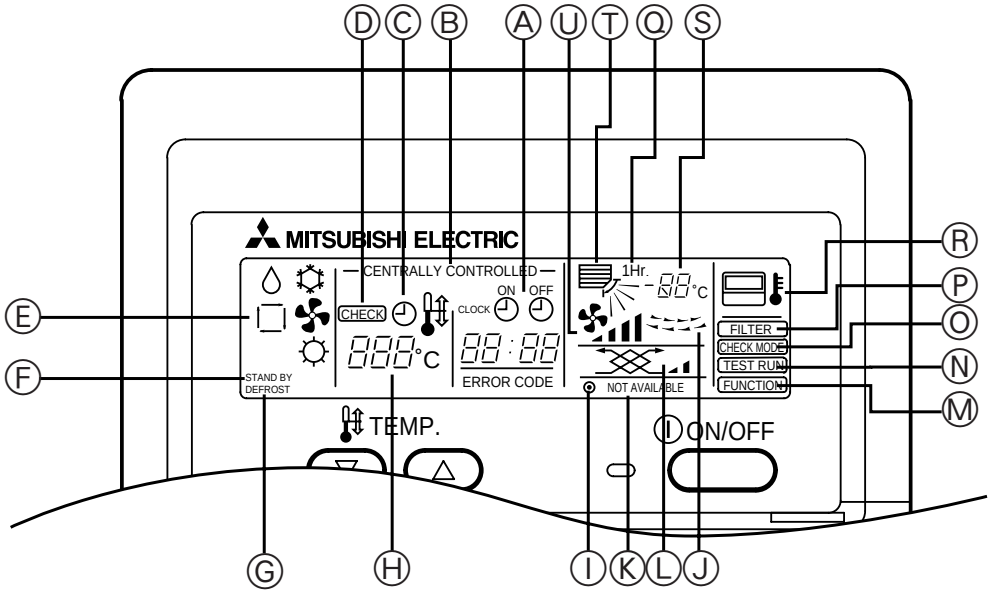
[Operation buttons]



① [Room temperature adjustment] Button
② [Timer/continuous] Button
③ [Selecting operation] Button
④ [Time selection] Button
[Time-setting] Button
⑤ [Louver] Button (This button does not operate in this model)
⑥ [Fan speed adjustment] Button
⑦ [Up/down airflow direction] Button (This button does not operate in this model)
⑧ [Ventilation] Button
⑨ [Checking/built-in] Button
⑩ [Test run] Button
⑪ [Filter] Button (This button does not operate in this model)
⑫ [ON/OFF] Button
⑬ Position of built-in room temperature sensor

- Never expose the remote controller to direct sunlight. Doing so can result in the erroneous measurement of room temperature.
- Never place any obstacle around the lower right-hand section of the remote controller. Doing so can result in the erroneous measurement of room temperature.

[Display]



Ⓐ Current time/Timer
Ⓑ Centralized control
Ⓒ Timer ON
Ⓓ Abnormality occurs
Ⓔ Operation mode: COOL, DRY, AUTO, FAN, HEAT
Ⓕ Preparing for Heating mode
Ⓖ Defrost mode
Ⓗ Set temperature
Ⓘ Power ON
Ⓙ Louver
Ⓚ Not available function
Ⓛ Ventilation
Ⓜ Function setting mode
Ⓝ Test run mode
Ⓞ Error check mode
Ⓟ Filter sign
Ⓠ Set effective for 1 hr.
Ⓡ Sensor position
Ⓢ Room temperature
Ⓣ Airflow
Ⓤ Fan speed

Caution

- Power ON display lights up when unit is in standby mode.
- When power is turned ON for the first time the (CENTRAL CTRL) display appears to go off momentarily but this is not a malfunction.
- When the central control remote control unit, which is sold separately, is used the ON-OFF button, operation switch button and TEMP, adjustment button do not operate.
- “NOT AVAILABLE” is displayed when the Airflow direction button or Louver button are pressed.This indicates that this room unit is not equipped with the fan direction adjustment function and the louver function.
- When power is turned ON for the first time, it is normal that “H0” is displayed on the room temperature indication (For max. 2minutes). Please wait until this “H0” indication disappear’s then start the operation.

4 SPECIFICATION

Item \ Service Ref.				PEAD-RP1.6EA			
Function				Cooling	Heating	Cooling	Heating
Capacity ※1			Btu/h	15,100	16,500	12,200	13,900
			W	4,450	4,850	3,600	4,100
Total input ※1			kW	1.71	1.73	1.12	1.26
INDOOR UNIT	Service Ref.			PEAD-RP1.6EA			
	Power supply			Single phase, 50Hz, 220-240V			
		Input ※3	kW	0.13			
		Running current ※3	A	0.55			
		Starting current ※3	A	0.8			
	External finish			Galvanized sheets			
	Heat exchanger			Plate fin coil			
	Fan	Fan (drive) × No.		Centrifugal (direct) × 2			
		Fan motor output	kW	0.043			
		Airflow (Lo-Hi)	m^3/min <CFM>	11-14<388-494>			
		External static pressure	Pa	30/70			
	Booster heater ※3		kW	–			
	Operation control & Thermostat			Built in remote controller			
	Noise level (Lo-Hi)	dB (A)	30Pa	34-38			
			70Pa	36-43			
	Unit drain pipe O.D		mm (in.)	R1 (External thread)			
	Dimensions	W	mm (in.)	935 (36-13/16)			
		D	mm (in.)	700 (27-5/8)			
		H	mm (in.)	295 (11-5/8)			
	Weight		kg (lbs)	33 (73)			
OUTDOOR UNIT	Service Ref.			PU(H)-P1.6VGAA/PU(H)-P1.6YGAA PU(H)-P1.6VGAA1/PU(H)-P1.6YGAA1		PUHZ-RP1.6VHA	
	Power supply			Single phase, 50Hz, 220-240V / 3 phase , 50Hz, 380-415V (4 wires)		Single phase, 50Hz, 220-240V	
		Input	kW	1.59	1.64	0.91	0.96
		Running current	A	7.36/2.49	7.59/2.56	4.01	4.23
		Starting current	A	36/20		13	
	External finish			Munsell 5Y 7/1		Munsell 3Y 7.8/1.1	
	Refrigerant control			Linear Expansion Valve		Linear Expansion Valve	
	Compressor			Hermetic		Hermetic	
		Model		RE277VHSMT/RE277YFKM		SNB130FLBH	
		Motor output	kW	1.3		0.8	
		Starter type		Line start		Line start	
		Protection devices		Internal thermostat / Thermal relay HP switch / HP switch Discharge thermo / Discharge thermo		HP switch Discharge thermo	
		Crankcase heater	W	30		–	
	Heat exchanger			Plate fin coil		Plate fin coil	
	Fan	Fan (drive) × No.		Propeller (direct) × 1		Propeller (direct) × 1	
		Fan motor output	kW	0.07		0.043	
		Airflow	m^3/min (CFM)	45 (1,590)		35 (1,240)	
	Defrost method			Reverse cycle		Reverse cycle	
	Noise level	Cooling	dB (A)	47		44	
		Heating	dB (A)	49		46	
	Dimensions	W	mm (in.)	900 (35-7/16)		800 (31-1/2)	
		D	mm (in.)	330+20 (13+1-3/4)		300+23 (11-13/16+7/8)	
		H	mm (in.)	650 (25-5/8)		600 (23-5/8)	
	Weight		kg (lbs)	55 (121)		45 (99)	
REFRIGERANT PIPING	Refrigerant			R407C		R410A	
		Charge	kg (lbs)	2.5 (5.5)		2.5 (5.5)	
		Oil (Model)	L	0.57 (Ester) MEL56		0.45 (NEO22)	
	Pipe size O.D	Liquid	mm (in.)	9.52 (3/8)		6.35 (1/4)	
		Gas	mm (in.)	15.88 (5/8)		12.7 (1/2)	
	Connection method	Indoor side		Flared			
		Outdoor side		Flared			
	Between the indoor & outdoor unit	Height difference		Max. 40m		Max. 30m	
		Piping length		Max. 40m		Max. 50m	

Notes 1. Rating Conditions (ISO 13253 T1)
Cooling: Indoor: D.B.27°C (80°F), W.B.19°C (66°F) Outdoor: D.B.35°C (95°F), W.B.24°C (75°F)
Heating: Indoor: D.B.20°C (68°F) Outdoor: D.B.7°C (45°F), W.B.6°C (43°F)
Refrigerant piping length (one way): 5m (16ft)

2. Guaranteed operating range

		Indoor	Outdoor
Cooling	Upper limit	D.B.35°C, W.B.22.5°C	D.B.46°C
	Lower limit	D.B.19°C, W.B.15°C	D.B.-5°C
Heating	Upper limit	D.B.28°C	D.B.24°C, W.B.18°C
	Lower limit	D.B.17°C	D.B.-11°C, W.B.-12°C

3. Above data based on indicated voltage
Indoor Unit: Single phase 230V 50Hz
Outdoor Unit: Single phase 230V 50Hz/3 phase 400V 50Hz

Item \ Service Ref.				PEAD-RP2EA			
Function				Cooling	Heating	Cooling	Heating
Capacity ※1			Btu/h	19,100	21,400	16,700	20,400
			W	5,600	6,300	4,900	6,000
Total input ※1			kW	2.53	2.20	1.52	1.65
INDOOR UNIT	Service Ref.			PEAD-RP2EA			
	Power supply			Single phase, 50Hz, 220-240V			
		Input ※3	kW	0.14			
		Running current ※3	A	0.61			
		Starting current ※3	A	0.9			
	External finish			Galvanized sheets			
	Heat exchanger			Plate fin coil			
	Fan	Fan (drive) × No.		Centrifugal (direct) × 2			
		Fan motor output	kW	0.076			
		Airflow (Lo-Hi)	m^3/min <CFM>	13.5-17<477-600>			
		External static pressure	Pa	30/70			
	Booster heater ※3		kW	–			
	Operation control & Thermostat			Built in remote controller			
	Noise level (Lo-Hi)	dB (A)	30Pa	36-40			
			70Pa	38-44			
	Unit drain pipe O.D		mm (in.)	R1 (External thread)			
	Dimensions	W	mm (in.)	935 (36-13/16)			
		D	mm (in.)	700 (27-5/8)			
		H	mm (in.)	295 (11-5/8)			
	Weight		kg (lbs)	35 (77)			
OUTDOOR UNIT	Service Ref.			PU(H)-P2VGAA/PU(H)-P2YGAA PU(H)-P2VGAA1/PU(H)-P2YGAA1		PUHZ-RP2VHA	
	Power supply			Single phase, 50Hz, 220-240V / 3 phase , 50Hz, 380-415V (4 wires)		Single phase, 50Hz, 220-240V	
		Input	kW	2.29	2.36	1.39	1.46
		Running current	A	10.26/3.70	10.57/3.82	6.16	6.47
		Starting current	A	62/31		13	
	External finish			Munsell 5Y 7/1		Munsell 3Y 7.8/1.1	
	Refrigerant control			Linear Expansion Valve		Linear Expansion Valve	
	Compressor			Hermetic		Hermetic	
		Model		NE36VMJMT/NE36YEKMT		SNB130FLBH	
		Motor output	kW	1.6		1.1	
		Starter type		Line start		Line start	
		Protection devices		Internal thermostat HP switch Discharge thermo / Thermal relay HP switch Discharge thermo		HP switch Discharge thermo	
		Crankcase heater	W	38		–	
	Heat exchanger			Plate fin coil		Plate fin coil	
	Fan	Fan (drive) × No.		Propeller (direct) × 1		Propeller (direct) × 1	
		Fan motor output	kW	0.07		0.043	
		Airflow	m^3/min (CFM)	55 (1,940)		35 (1,240)	
	Defrost method			Reverse cycle		Reverse cycle	
	Noise level	Cooling	dB (A)	48		44	
		Heating	dB (A)	49		46	
	Dimensions	W	mm (in.)	900 (35-7/16)		800 (31-1/2)	
		D	mm (in.)	330+20 (13+1-3/4)		300+23 (11-13/16+7/8)	
		H	mm (in.)	855 (33-5/8)		600 (23-5/8)	
	Weight		kg (lbs)	71 (157)		45 (99)	
REFRIGERANT PIPING	Refrigerant			R407C		R410A	
		Charge	kg (lbs)	2.6 (5.7)		2.5 (5.5)	
		Oil (Model)	L	1.2 (Ester) MEL56		0.45 (NEO22)	
	Pipe size O.D	Liquid	mm (in.)	9.52 (3/8)		6.35 (1/4)	
		Gas	mm (in.)	15.88 (5/8)		12.7 (1/2)	
	Connection method	Indoor side		Flared			
		Outdoor side		Flared			
	Between the indoor & outdoor unit	Height difference		Max. 40m		Max. 30m	
		Piping length		Max. 40m		Max. 50m	

Notes 1. Rating Conditions (ISO 13253 T1)
Cooling: Indoor: D.B.27°C (80°F), W.B.19°C (66°F) Outdoor: D.B.35°C (95°F), W.B.24°C (75°F)
Heating: Indoor: D.B.20°C (68°F) Outdoor: D.B.7°C (45°F), W.B.6°C (43°F)
Refrigerant piping length (one way): 5m (16ft)

2. Guaranteed operating range

		Indoor	Outdoor
Cooling	Upper limit	D.B.35°C, W.B.22.5°C	D.B.46°C
	Lower limit	D.B.19°C, W.B.15°C	D.B.-5°C
Heating	Upper limit	D.B.28°C	D.B.24°C, W.B.18°C
	Lower limit	D.B.17°C	D.B.-11°C, W.B.-12°C

3. Above data based on indicated voltage
Indoor Unit: Single phase 230V 50Hz
Outdoor Unit: Single phase 230V 50Hz/3 phase 400V 50Hz

Item \ Service Ref.				PEAD-RP2.5EA			
Function				Cooling	Heating	Cooling	Heating
Capacity ※1			Btu/h	22,500	24,300	20,400	23,800
			W	6,600	7,150	6,000	7,000
Total input ※1			kW	2.65	2.36	1.86	1.90
INDOOR UNIT	Service Ref.			PEAD-RP2.5EA			
	Power supply			Single phase, 50Hz, 220-240V			
		Input ※3	kW	0.16			
		Running current ※3	A	0.70			
		Starting current ※3	A	1.0			
	External finish			Galvanized sheets			
	Heat exchanger			Plate fin coil			
	Fan	Fan (drive) × No.		Centrifugal (direct) × 2			
		Fan motor output	kW	0.116			
		Airflow (Lo-Hi)	m^3/min <CFM>	17-21<600-741>			
		External static pressure	Pa	30/70			
	Booster heater ※3		kW	–			
	Operation control & Thermostat			Built in remote controller			
	Noise level (Lo-Hi)	dB (A)	30Pa	37-41			
			70Pa	39-46			
	Unit drain pipe O.D		mm (in.)	R1 (External thread)			
	Dimensions	W	mm (in.)	1,175 (46-1/8)			
		D	mm (in.)	700 (27-5/8)			
		H	mm (in.)	295 (11-5/8)			
	Weight		kg (lbs)	42 (92)			
OUTDOOR UNIT	Service Ref.			PU(H)-P2.5VGAA/PU(H)-P2.5YGAA PU(H)-P2.5VGAA1/PU(H)-P2.5YGAA1		PUHZ-RP2.5VHA	
	Power supply			Single phase, 50Hz, 220-240V / 3 phase , 50Hz, 380-415V (4 wires)		Single phase, 50Hz, 220-240V	
		Input	kW	2.77	2.68	1.49	1.69
		Running current	A	11.90/4.48	11.51/4.34	6.61	7.50
		Starting current	A	77/35		19	
	External finish			Munsell 5Y 7/1		Munsell 3Y 7.8/1.1	
	Refrigerant control			Linear Expansion Valve		Linear Expansion Valve	
	Compressor			Hermetic		Hermetic	
		Model		NE41VMJMT/NE41YEKMT		TNB220FMBH	
		Motor output	kW	1.9		1.6	
		Starter type		Line start		Line start	
		Protection devices		Internal thermostat / Thermal relay HP switch / HP switch Discharge thermo / Discharge thermo		HP switch Discharge thermo	
		Crankcase heater	W	38		–	
	Heat exchanger			Plate fin coil		Plate fin coil	
	Fan	Fan (drive) × No.		Propeller (direct) × 1		Propeller (direct) × 1	
		Fan motor output	kW	0.07		0.06	
		Airflow	m^3/min (CFM)	50 (1,770)		55 (1,940)	
	Defrost method			Reverse cycle		Reverse cycle	
	Noise level	Cooling	dB (A)	48		47	
		Heating	dB (A)	50		48	
	Dimensions	W	mm (in.)	900 (35-7/16)		950 (37-3/8)	
		D	mm (in.)	330+20 (13+1-3/4)		330+30 (13+1-3/16)	
		H	mm (in.)	855 (33-5/8)		943 (37-1/8)	
	Weight		kg (lbs)	82 (181)		75 (165)	
REFRIGERANT PIPING	Refrigerant			R407C		R410A	
		Charge	kg (lbs)	3.1 (6.8)		3.5 (7.7)	
		Oil (Model)	L	1.2 (Ester) MEL56		0.87 (NEO22)	
	Pipe size O.D	Liquid	mm (in.)	9.52 (3/8)			
		Gas	mm (in.)	15.88 (5/8)			
	Connection method	Indoor side		Flared			
		Outdoor side		Flared			
	Between the indoor & outdoor unit	Height difference		Max. 50m		Max. 30m	
		Piping length		Max. 50m		Max. 50m	

Notes 1. Rating Conditions (ISO 13253 T1)

Cooling: Indoor: D.B.27°C (80°F), W.B.19°C (66°F) Outdoor: D.B.35°C (95°F), W.B.24°C (75°F)
Heating: Indoor: D.B.20°C (68°F) Outdoor: D.B.7°C (45°F), W.B.6°C (43°F)
Refrigerant piping length (one way): 5m (16ft)

2. Guaranteed operating range

		Indoor	Outdoor
Cooling	Upper limit	D.B.35°C, W.B.22.5°C	D.B.46°C
	Lower limit	D.B.19°C, W.B.15°C	D.B.-5°C
Heating	Upper limit	D.B.28°C	D.B.24°C, W.B.18°C
	Lower limit	D.B.17°C	D.B.-11°C, W.B.-12°C

3. Above data based on indicated voltage
Indoor Unit: Single phase 230V 50Hz
Outdoor Unit: Single phase 230V 50Hz/3 phase 400V 50Hz

Item \ Service Ref.				PEAD-RP3EA1			
Function				Cooling	Heating	Cooling	Heating
Capacity ※1			Btu/h	25,900	30,800	24,200	27,200
			W	7,600	9,050	7,100	8,000
Total input ※1			kW	3.35	3.18	2.15	2.34
INDOOR UNIT	Service Ref.			PEAD-RP3EA1			
	Power supply			Single phase, 50Hz, 220-240V			
		Input ※3	kW	0.35			
		Running current ※3	A	1.55			
		Starting current ※3	A	2.0			
	External finish			Galvanized sheets			
	Heat exchanger			Plate fin coil			
	Fan	Fan (drive) × No.		Centrifugal (direct) × 2			
		Fan motor output	kW	0.15			
		Airflow (Lo-Hi)	m³/min <CFM>	20-25<706-883>			
		External static pressure	Pa	70/(130)			
	Booster heater ※3		kW	–			
	Operation control & Thermostat			Built in remote controller			
	Noise level (Lo-Hi)	dB (A)	70Pa	37-41			
			(130Pa)	40-45			
	Unit drain pipe O.D		mm (in.)	R1 (External thread)			
	Dimensions	W	mm (in.)	1,175 (46-1/8)			
		D	mm (in.)	740 (29-1/8)			
		H	mm (in.)	325 (12-13/16)			
	Weight		kg (lbs)	44 (97)			
OUTDOOR UNIT	Service Ref.			PU(H)-P3VGAA/PU(H)-P3YGAA PU(H)-P3VGAA1/PU(H)-P3YGAA1		PUHZ-RP3VHA	
	Power supply			Single phase, 50Hz, 220-240V / 3 phase , 50Hz, 380-415V (4 wires)		Single phase, 50Hz, 220-240V	
		Input	kW	3.27	3.48	1.81	2.18
		Running current	A	14.81/5.29	15.76/5.63	8.04	9.70
		Starting current	A	93/47		19	
	External finish			Munsell 5Y 7/1		Munsell 3Y 7.8/1.1	
	Refrigerant control			Linear Expansion Valve		Linear Expansion Valve	
	Compressor			Hermetic		Hermetic	
		Model		NE52VNJMT/NE52YDKMT		TNB220FMBH	
		Motor output	kW	2.5		1.6	
		Starter type		Line start		Line start	
		Protection devices		Internal thermostat HP switch Discharge thermo / Thermal relay HP switch Discharge thermo		HP switch Discharge thermo	
		Crankcase heater	W	38		–	
	Heat exchanger			Plate fin coil		Plate fin coil	
	Fan	Fan (drive) × No.		Propeller (direct) × 1		Propeller (direct) × 1	
		Fan motor output	kW	0.07		0.06	
		Airflow	m³/min (CFM)	50 (1,770)		55 (1,940)	
	Defrost method			Reverse cycle		Reverse cycle	
	Noise level	Cooling	dB (A)	49		47	
		Heating	dB (A)	51		48	
	Dimensions	W	mm (in.)	900 (35-7/16)		950 (37-3/8)	
		D	mm (in.)	330+20 (13+1-3/4)		330+30 (13+1-3/16)	
		H	mm (in.)	855 (33-5/8)		943 (37-1/8)	
	Weight		kg (lbs)	82 (181)		75 (165)	
REFRIGERANT PIPING	Refrigerant			R407C		R410A	
		Charge	kg (lbs)	3.3 (7.3)		3.5 (7.7)	
		Oil (Model)	L	1.3 (Ester) MEL56		0.87 (NEO22)	
	Pipe size O.D	Liquid	mm (in.)	9.52 (3/8)			
		Gas	mm (in.)	15.88 (5/8)			
	Connection method	Indoor side		Flared			
		Outdoor side		Flared			
	Between the indoor & outdoor unit	Height difference		Max. 50m		Max. 30m	
		Piping length		Max. 50m		Max. 50m	

Notes 1. Rating Conditions (ISO 13253 T1)

Cooling: Indoor: D.B.27°C (80°F), W.B.19°C (66°F) Outdoor: D.B.35°C (95°F), W.B.24°C (75°F)
Heating: Indoor: D.B.20°C (68°F) Outdoor: D.B.7°C (45°F), W.B.6°C (43°F)
Refrigerant piping length (one way): 5m (16ft)

2. Guaranteed operating range

		Indoor	Outdoor
Cooling	Upper limit	D.B.35°C, W.B.22.5°C	D.B.46°C
	Lower limit	D.B.19°C, W.B.15°C	D.B.-5°C
Heating	Upper limit	D.B.28°C	D.B.24°C, W.B.18°C
	Lower limit	D.B.17°C	D.B.-11°C, W.B.-12°C

3. Above data based on indicated voltage
Indoor Unit: Single phase 230V 50Hz
Outdoor Unit: Single phase 230V 50Hz/3 phase 400V 50Hz

Item \ Service Ref.				PEAD-RP4EA1			
Function				Cooling	Heating	Cooling	Heating
Capacity ※1			Btu/h	32,700	35,100	34,100	38,200
			W	9,600	10,300	10,000	11,200
Total input ※1			kW	3.83	4.00	3.08	3.48
INDOOR UNIT	Service Ref.			PEAD-RP4EA1			
	Power supply			Single phase, 50Hz, 220-240V			
		Input ※3	kW	0.57			
		Running current ※3	A	2.53			
		Starting current ※3	A	3.2			
	External finish			Galvanized sheets			
	Heat exchanger			Plate fin coil			
	Fan	Fan (drive) × No.		Centrifugal (direct) × 2			
		Fan motor output	kW	0.24			
		Airflow (Lo-Hi)	m³/min <CFM>	27-34<953-1,200>			
		External static pressure	Pa	70/(130)			
	Booster heater ※3		kW	–			
	Operation control & Thermostat			Built in remote controller			
	Noise level (Lo-Hi)	dB (A)	70Pa	41-46			
			(130Pa)	42-48			
	Unit drain pipe O.D		mm (in.)	R1 (External thread)			
	Dimensions	W	mm (in.)	1,415 (55-11/16)			
		D	mm (in.)	740 (29-1/8)			
		H	mm (in.)	325 (12-13/16)			
	Weight		kg (lbs)	62 (136)			
OUTDOOR UNIT	Service Ref.			PU(H)-P4VGAA/PU(H)-P4YGAA PU(H)-P4VGAA1/PU(H)-P4YGAA1		PUHZ-RP4VHA	
	Power supply			Single phase, 50Hz, 220-240V / 3 phase , 50Hz, 380-415V (4 wires)		Single phase, 50Hz, 220-240V	
		Input	kW	3.43	3.62	2.78	3.14
		Running current	A	15.71/5.55	16.58/5.86	12.33	13.94
		Starting current	A	99/49		28	
	External finish			Munsell 5Y 7/1		Munsell 3Y 7.8/1.1	
	Refrigerant control			Linear Expansion Valve		Linear Expansion Valve	
	Compressor			Hermetic		Hermetic	
		Model		NE56VNJMT/NE56YDKMT		ANV33FDAMT	
		Motor output	kW	2.7		1.9	
		Starter type		Line start		Line start	
		Protection devices		Internal thermostat / Thermal relay HP switch / HP switch Discharge thermo / Discharge thermo		HP switch LP switch Discharge thermo	
		Crankcase heater	W	38		–	
	Heat exchanger			Plate fin coil		Plate fin coil	
	Fan	Fan (drive) × No.		Propeller (direct) × 2		Propeller (direct) × 2	
		Fan motor output	kW	0.07+0.07		0.06+0.06	
		Airflow	m³/min (CFM)	85 (3,000)		100 (3,530)	
	Defrost method			Reverse cycle		Reverse cycle	
	Noise level	Cooling	dB (A)	51		49	
		Heating	dB (A)	53		51	
	Dimensions	W	mm (in.)	900 (35-7/16)		950 (37-3/8)	
		D	mm (in.)	330+20 (13+1-3/4)		330+30 (13+1-3/16)	
		H	mm (in.)	1,260 (49-5/8)		1,350 (53-1/8)	
	Weight		kg (lbs)	96 (212)		121 (267)	
REFRIGERANT PIPING	Refrigerant			R407C		R410A	
		Charge	kg (lbs)	4.0 (8.8)		5.5 (12.1)	
		Oil (Model)	L	1.3 (Ester) MEL56		1.4 (MEL56)	
	Pipe size O.D	Liquid	mm (in.)	9.52 (3/8)			
		Gas	mm (in.)	19.05 (3/4)		15.88 (5/8)	
	Connection method	Indoor side		Flared			
		Outdoor side		Flared			
	Between the indoor & outdoor unit	Height difference		Max. 50m		Max. 30m	
		Piping length		Max. 50m		Max. 75m	

Notes 1. Rating Conditions (ISO 13253 T1)

Cooling: Indoor: D.B.27°C (80°F), W.B.19°C (66°F) Outdoor: D.B.35°C (95°F), W.B.24°C (75°F)
Heating: Indoor: D.B.20°C (68°F) Outdoor: D.B.7°C (45°F), W.B.6°C (43°F)
Refrigerant piping length (one way): 5m (16ft)

2. Guaranteed operating range

		Indoor	Outdoor
Cooling	Upper limit	D.B.35°C, W.B.22.5°C	D.B.46°C
	Lower limit	D.B.19°C, W.B.15°C	D.B.-5°C
Heating	Upper limit	D.B.28°C	D.B.24°C, W.B.18°C
	Lower limit	D.B.17°C	D.B.-11°C, W.B.-12°C

3. Above data based on indicated voltage
Indoor Unit: Single phase 230V 50Hz
Outdoor Unit: Single phase 230V 50Hz/3 phase 400V 50Hz

Item \ Service Ref.				PEAD-RP5EA1			
Function				Cooling	Heating	Cooling	Heating
Capacity ※1			Btu/h	41,600	47,700	42,600	47,700
			W	12,200	14,000	12,500	14,000
Total input ※1			kW	4.87	4.74	3.69	4.11
INDOOR UNIT	Service Ref.			PEAD-RP5EA1			
	Power supply			Single phase, 50Hz, 220-240V			
		Input ※3	kW	0.59			
		Running current ※3	A	2.62			
		Starting current ※3	A	3.4			
	External finish			Galvanized sheets			
	Heat exchanger			Plate fin coil			
	Fan	Fan (drive) × No.		Centrifugal (direct) × 2			
		Fan motor output	kW	0.27			
		Airflow (Lo-Hi)	m³/min <CFM>	33.5-42<1,183-1,483>			
		External static pressure	Pa	70/(130)			
	Booster heater ※3		kW	–			
	Operation control & Thermostat			Built in remote controller			
	Noise level (Lo-Hi)	dB (A)	70Pa	44-50			
			(130Pa)	46-52			
	Unit drain pipe O.D		mm (in.)	R1 (External thread)			
	Dimensions	W	mm (in.)	1,415 (55-11/16)			
		D	mm (in.)	740 (29-1/8)			
		H	mm (in.)	325 (12-13/16)			
	Weight		kg (lbs)	65 (143)			
OUTDOOR UNIT	Service Ref.			PU(H)-P5YGAA PU(H)-P5YGAA1		PUHZ-RP5VHA	
	Power supply			3 phase , 50Hz, 380-415V (4 wires)		Single phase, 50Hz, 220-240V	
		Input	kW	4.70	5.04	3.56	3.14
		Running current	A	7.60	8.15	15.80	13.94
		Starting current	A	65.5		28	
	External finish			Munsell 5Y 7/1		Munsell 3Y 7.8/1.1	
	Refrigerant control			Linear Expansion Valve		Linear Expansion Valve	
	Compressor			Hermetic		Hermetic	
		Model		ZR61KCE-TFD-230 (YGAA) ZR61KCW-TFD-522 (YGAA1)		ANV33FDAMT	
		Motor output	kW	3.5		2.4	
		Starter type		Line start		Line start	
		Protection devices		Internal thermostat, Thermal relay HP switch Discharge thermo		HP switch LP switch Discharge thermo	
		Crankcase heater	W	38		–	
	Heat exchanger			Plate fin coil		Plate fin coil	
	Fan	Fan (drive) × No.		Propeller (direct) × 2		Propeller (direct) × 2	
		Fan motor output	kW	0.07+0.07		0.06+0.06	
		Airflow	m³/min (CFM)	95 (3,360)		100 (3,530)	
	Defrost method			Reverse cycle		Reverse cycle	
	Noise level	Cooling	dB (A)	55		49	
		Heating	dB (A)	56		51	
	Dimensions	W	mm (in.)	1,050 (41-5/16)		950 (37-3/8)	
		D	mm (in.)	330+20 (13+1-3/4)		330+30 (13+1-3/16)	
		H	mm (in.)	1,260 (49-5/8)		1,350 (53-1/8)	
	Weight		kg (lbs)	122 (269)		121 (267)	
REFRIGERANT PIPING	Refrigerant			R407C		R410A	
		Charge	kg (lbs)	4.6 (10.1)		5.5 (12.1)	
		Oil (Model)	L	1.690 (Ester) 3MAW-POE		1.4 (MEL56)	
	Pipe size O.D	Liquid	mm (in.)	9.52 (3/8)			
		Gas	mm (in.)	19.05 (3/4)		15.88 (5/8)	
	Connection method	Indoor side		Flared			
		Outdoor side		Flared			
	Between the indoor & outdoor unit	Height difference		Max. 50m		Max. 30m	
		Piping length		Max. 50m		Max. 75m	

Notes 1. Rating Conditions (ISO 13253 T1)

Cooling: Indoor: D.B.27°C (80°F), W.B.19°C (66°F) Outdoor: D.B.35°C (95°F), W.B.24°C (75°F)
Heating: Indoor: D.B.20°C (68°F) Outdoor: D.B.7°C (45°F), W.B.6°C (43°F)
Refrigerant piping length (one way): 5m (16ft)

2. Guaranteed operating range

		Indoor	Outdoor
Cooling	Upper limit	D.B.35°C, W.B.22.5°C	D.B.46°C
	Lower limit	D.B.19°C, W.B.15°C	D.B.-5°C
Heating	Upper limit	D.B.28°C	D.B.24°C, W.B.18°C
	Lower limit	D.B.17°C	D.B.-11°C, W.B.-12°C

3. Above data based on indicated voltage
Indoor Unit: Single phase 230V 50Hz
Outdoor Unit: Single phase 230V 50Hz/3 phase 400V 50Hz

Item \ Service Ref.				PEAD-RP6EA1			
Function				Cooling	Heating	Cooling	Heating
Capacity ※1			Btu/h	47,700	56,600	47,700	54,500
			W	14,000	16,600	14,000	16,000
Total input ※1			kW	5.81	5.90	4.91	4.76
INDOOR UNIT	Service Ref.			PEAD-RP6EA1			
	Power supply			Single phase, 50Hz, 220-240V			
		Input ※3	kW	0.61			
		Running current ※3	A	2.69			
		Starting current ※3	A	3.5			
	External finish			Galvanized sheets			
	Heat exchanger			Plate fin coil			
	Fan	Fan (drive) × No.		Centrifugal (direct) × 2			
		Fan motor output	kW	0.27			
		Airflow (Lo-Hi)	m³/min <CFM>	36.5-46<1,288-1,624>			
		External static pressure	Pa	70/(130)			
	Booster heater ※3		kW	–			
	Operation control & Thermostat			Built in remote controller			
	Noise level (Lo-Hi)	dB (A)	70Pa	46-51			
			(130Pa)	47-53			
	Unit drain pipe O.D		mm (in.)	R1 (External thread)			
	Dimensions	W	mm (in.)	1,715 (67-1/2)			
		D	mm (in.)	740 (29-1/8)			
		H	mm (in.)	325 (12-13/16)			
	Weight		kg (lbs)	70 (154)			
OUTDOOR UNIT	Service Ref.			PU(H)-P6YGAA PU(H)-P6YGAA1		PUHZ-RP6VHA	
	Power supply			3 phase , 50Hz, 380-415V (4 wires)		Single phase, 50Hz, 220-240V	
		Input	kW	5.58	5.91	4.66	4.58
		Running current	A	9.03	9.56	20.73	20.37
		Starting current	A	74		30	
	External finish			Munsell 5Y 7/1		Munsell 3Y 7.8/1.1	
	Refrigerant control			Linear Expansion Valve		Linear Expansion Valve	
	Compressor			Hermetic		Hermetic	
		Model		ZR72KCW-TFD-522		ANV33FDAMT	
		Motor output	kW	4.2		2.9	
		Starter type		Line start		Line start	
		Protection devices		Internal thermostat, Thermal relay HP switch Discharge thermo		HP switch LP switch Discharge thermo	
		Crankcase heater	W	38		–	
	Heat exchanger			Plate fin coil		Plate fin coil	
	Fan	Fan (drive) × No.		Propeller (direct) × 2		Propeller (direct) × 2	
		Fan motor output	kW	0.07+0.07		0.06+0.06	
		Airflow	m³/min (CFM)	100 (3,530)		100 (3,530)	
	Defrost method			Reverse cycle		Reverse cycle	
	Noise level	Cooling	dB (A)	57		49	
		Heating	dB (A)	58		51	
	Dimensions	W	mm (in.)	1,050 (41-5/16)		950 (37-3/8)	
		D	mm (in.)	330+20 (13+1-3/4)		330+30 (13+1-3/16)	
		H	mm (in.)	1,260 (49-5/8)		1,350 (53-1/8)	
	Weight		kg (lbs)	122 (269)		121 (267)	
REFRIGERANT PIPING	Refrigerant			R407C		R410A	
		Charge	kg (lbs)	4.9 (10.8)		5.5 (12.1)	
		Oil (Model)	L	1.774 (Ester) 3MAW-POE		1.4 (MEL56)	
	Pipe size O.D	Liquid	mm (in.)	9.52 (3/8)			
		Gas	mm (in.)	19.05 (3/4)		15.88 (5/8)	
	Connection method	Indoor side		Flared			
		Outdoor side		Flared			
	Between the indoor & outdoor unit	Height difference		Max. 50m		Max. 30m	
		Piping length		Max. 50m		Max. 75m	

Notes 1. Rating Conditions (ISO 13253 T1)

Cooling: Indoor: D.B.27°C (80°F), W.B.19°C (66°F) Outdoor: D.B.35°C (95°F), W.B.24°C (75°F)
Heating: Indoor: D.B.20°C (68°F) Outdoor: D.B.7°C (45°F), W.B.6°C (43°F)
Refrigerant piping length (one way): 5m (16ft)

2. Guaranteed operating range

		Indoor	Outdoor
Cooling	Upper limit	D.B.35°C, W.B.22.5°C	D.B.46°C
	Lower limit	D.B.19°C, W.B.15°C	D.B.-5°C
Heating	Upper limit	D.B.28°C	D.B.24°C, W.B.18°C
	Lower limit	D.B.17°C	D.B.-11°C, W.B.-12°C

3. Above data based on indicated voltage
Indoor Unit: Single phase 230V 50Hz
Outdoor Unit: Single phase 230V 50Hz/3 phase 400V 50Hz

5 DATA

1. PERFORMANCE DATA

1) COOLING CAPACITY <1>

PEAD-RP1.6EA/PUHZ-RP1.6VHA (230V)

Indoor Intake air D.B. (°C)	Indoor Intake air W.B. (°C)	Outdoor intake air D.B. (°C)											
		20				25				30			
		CA	SHC(W)	SHF	P.C.	CA	SHC(W)	SHF	P.C.	CA	SHC(W)	SHF	P.C.
20	16	3564	2245	0.63	0.90	3456	2177	0.63	0.95	3348	2109	0.63	1.00
	18	3816	1946	0.51	0.91	3708	1891	0.51	0.96	3582	1827	0.51	1.03
	20	4104	1601	0.39	0.94	4014	1565	0.39	0.99	3906	1523	0.39	1.05
22	16	3564	2530	0.71	0.90	3456	2454	0.71	0.95	3348	2377	0.71	1.00
	18	3816	2251	0.59	0.91	3708	2188	0.59	0.96	3582	2113	0.59	1.03
	20	4104	1929	0.47	0.94	4014	1887	0.47	0.99	3906	1836	0.47	1.05
24	16	3564	2816	0.79	0.90	3456	2730	0.79	0.95	3348	2645	0.79	1.00
	18	3816	2557	0.67	0.91	3708	2484	0.67	0.96	3582	2400	0.67	1.03
	20	4104	2257	0.55	0.94	4014	2208	0.55	0.99	3906	2148	0.55	1.05
	22	4374	1881	0.43	0.96	4284	1842	0.43	1.02	4176	1796	0.43	1.09
26	16	3564	3101	0.87	0.90	3456	3007	0.87	0.95	3348	2913	0.87	1.00
	18	3816	2862	0.75	0.91	3708	2781	0.75	0.96	3582	2687	0.75	1.03
	20	4104	2586	0.63	0.94	4014	2529	0.63	0.99	3906	2461	0.63	1.05
	22	4374	2231	0.51	0.96	4284	2185	0.51	1.02	4176	2130	0.51	1.09
27	16	3564	3243	0.91	0.90	3456	3145	0.91	0.95	3348	3047	0.91	1.00
	18	3816	3015	0.79	0.91	3708	2929	0.79	0.96	3582	2830	0.79	1.03
	20	4104	2750	0.67	0.94	4014	2689	0.67	0.99	3906	2617	0.67	1.05
	22	4374	2406	0.55	0.96	4284	2356	0.55	1.02	4176	2297	0.55	1.09
28	16	3564	3386	0.95	0.90	3456	3283	0.95	0.95	3348	3181	0.95	1.00
	18	3816	3167	0.83	0.91	3708	3078	0.83	0.96	3582	2973	0.83	1.03
	20	4104	2914	0.71	0.94	4014	2850	0.71	0.99	3906	2773	0.71	1.05
	22	4374	2581	0.59	0.96	4284	2528	0.59	1.02	4176	2464	0.59	1.09
30	16	3564	3564	1.00	0.90	3456	3456	1.00	0.95	3348	3348	1.00	1.00
	18	3816	3473	0.91	0.91	3708	3374	0.91	0.96	3582	3260	0.91	1.03
	20	4104	3242	0.79	0.94	4014	3171	0.79	0.99	3906	3086	0.79	1.05
	22	4374	2931	0.67	0.96	4284	2870	0.67	1.02	4176	2798	0.67	1.09
32	16	3564	3564	1.00	0.90	3456	3456	1.00	0.95	3348	3348	1.00	1.00
	18	3816	3778	0.99	0.91	3708	3671	0.99	0.96	3582	3546	0.99	1.03
	20	4104	3570	0.87	0.94	4014	3492	0.87	0.99	3906	3398	0.87	1.05
	22	4374	3281	0.75	0.96	4284	3213	0.75	1.02	4176	3132	0.75	1.09
34	16	3564	3564	1.00	0.90	3456	3456	1.00	0.95	3348	3348	1.00	1.00
	18	3816	3816	1.00	0.91	3708	3708	1.00	0.96	3582	3582	1.00	1.03
	20	4104	3899	0.95	0.94	4014	3813	0.95	0.99	3906	3711	0.95	1.05
	22	4374	3630	0.83	0.96	4284	3556	0.83	1.02	4176	3466	0.83	1.09

Indoor Intake air D.B. (°C)	Indoor Intake air W.B. (°C)	Outdoor intake air D.B. (°C)											
		35				40				45			
		CA	SHC(W)	SHF	P.C.	CA	SHC(W)	SHF	P.C.	CA	SHC(W)	SHF	P.C.
20	16	3204	2019	0.63	1.08	3060	1928	0.63	1.15	2916	1837	0.63	1.25
	18	3456	1763	0.51	1.10	3348	1707	0.51	1.19	3132	1597	0.51	1.28
	20	3744	1460	0.39	1.13	3600	1404	0.39	1.21	3384	1320	0.39	1.30
22	16	3204	2275	0.71	1.08	3060	2173	0.71	1.15	2916	2070	0.71	1.25
	18	3456	2039	0.59	1.10	3348	1975	0.59	1.19	3132	1848	0.59	1.28
	20	3744	1760	0.47	1.13	3600	1692	0.47	1.21	3384	1590	0.47	1.30
24	16	3204	2531	0.79	1.08	3060	2417	0.79	1.15	2916	2304	0.79	1.25
	18	3456	2316	0.67	1.10	3348	2243	0.67	1.19	3132	2098	0.67	1.28
	20	3744	2059	0.55	1.13	3600	1980	0.55	1.21	3384	1861	0.55	1.30
	22	4032	1734	0.43	1.15	3888	1672	0.43	1.24	3672	1579	0.43	1.32
26	16	3204	2787	0.87	1.08	3060	2662	0.87	1.15	2916	2537	0.87	1.25
	18	3456	2592	0.75	1.10	3348	2511	0.75	1.19	3132	2349	0.75	1.28
	20	3744	2359	0.63	1.13	3600	2268	0.63	1.21	3384	2132	0.63	1.30
	22	4032	2056	0.51	1.15	3888	1983	0.51	1.24	3672	1873	0.51	1.32
27	16	3204	2916	0.91	1.08	3060	2785	0.91	1.15	2916	2654	0.91	1.25
	18	3456	2730	0.79	1.10	3348	2645	0.79	1.19	3132	2474	0.79	1.28
	20	3744	2508	0.67	1.13	3600	2412	0.67	1.21	3384	2267	0.67	1.30
	22	4032	2218	0.55	1.15	3888	2138	0.55	1.24	3672	2020	0.55	1.32
28	16	3204	3044	0.95	1.08	3060	2907	0.95	1.15	2916	2770	0.95	1.25
	18	3456	2868	0.83	1.10	3348	2779	0.83	1.19	3132	2600	0.83	1.28
	20	3744	2658	0.71	1.13	3600	2556	0.71	1.21	3384	2403	0.71	1.30
	22	4032	2379	0.59	1.15	3888	2294	0.59	1.24	3672	2166	0.59	1.32
30	16	3204	3204	1.00	1.08	3060	3060	1.00	1.15	2916	2916	1.00	1.25
	18	3456	3145	0.91	1.10	3348	3047	0.91	1.19	3132	2850	0.91	1.28
	20	3744	2958	0.79	1.13	3600	2844	0.79	1.21	3384	2673	0.79	1.30
	22	4032	2701	0.67	1.15	3888	2605	0.67	1.24	3672	2460	0.67	1.32
32	16	3204	3204	1.00	1.08	3060	3060	1.00	1.15	2916	2916	1.00	1.25
	18	3456	3421	0.99	1.10	3348	3315	0.99	1.19	3132	3101	0.99	1.28
	20	3744	3257	0.87	1.13	3600	3132	0.87	1.21	3384	2944	0.87	1.30
	22	4032	3024	0.75	1.15	3888	2916	0.75	1.24	3672	2754	0.75	1.32
34	16	3204	3204	1.00	1.08	3060	3060	1.00	1.15	2916	2916	1.00	1.25
	18	3456	3456	1.00	1.10	3348	3348	1.00	1.19	3132	3132	1.00	1.28
	20	3744	3557	0.95	1.13	3600	3420	0.95	1.21	3384	3215	0.95	1.30
	22	4032	3347	0.83	1.15	3888	3227	0.83	1.24	3672	3048	0.83	1.32

Notes CA: Capacity (W) SHC: Sensible heat capacity (W)
P.C.: Power consumption (kW) SHF: Sensible heat factor

PEAD-RP2EA/PUHZ-RP2VHA (230V)

Indoor Intake air D.B. (°C)	Indoor Intake air W.B. (°C)	Outdoor intake air D.B. (°C)											
		20				25				30			
		CA	SHC(W)	SHF	P.C.	CA	SHC(W)	SHF	P.C.	CA	SHC(W)	SHF	P.C.
20	16	4851	3105	0.64	1.22	4704	3011	0.64	1.28	4557	2916	0.64	1.36
	18	5194	2701	0.52	1.24	5047	2624	0.52	1.31	4876	2535	0.52	1.40
	20	5586	2234	0.40	1.28	5464	2185	0.40	1.34	5317	2127	0.40	1.43
22	16	4851	3493	0.72	1.22	4704	3387	0.72	1.28	4557	3281	0.72	1.36
	18	5194	3116	0.60	1.24	5047	3028	0.60	1.31	4876	2925	0.60	1.40
	20	5586	2681	0.48	1.28	5464	2622	0.48	1.34	5317	2552	0.48	1.43
24	16	4851	3881	0.80	1.22	4704	3763	0.80	1.28	4557	3646	0.80	1.36
	18	5194	3532	0.68	1.24	5047	3432	0.68	1.31	4876	3315	0.68	1.40
	20	5586	3128	0.56	1.28	5464	3060	0.56	1.34	5317	2977	0.56	1.43
	22	5954	2620	0.44	1.31	5831	2566	0.44	1.38	5684	2501	0.44	1.47
26	16	4851	4269	0.88	1.22	4704	4140	0.88	1.28	4557	4010	0.88	1.36
	18	5194	3947	0.76	1.24	5047	3836	0.76	1.31	4876	3705	0.76	1.40
	20	5586	3575	0.64	1.28	5464	3497	0.64	1.34	5317	3403	0.64	1.43
	22	5954	3096	0.52	1.31	5831	3032	0.52	1.38	5684	2956	0.52	1.47
27	16	4851	4463	0.92	1.22	4704	4328	0.92	1.28	4557	4192	0.92	1.36
	18	5194	4155	0.80	1.24	5047	4038	0.80	1.31	4876	3900	0.80	1.40
	20	5586	3798	0.68	1.28	5464	3715	0.68	1.34	5317	3615	0.68	1.43
	22	5954	3334	0.56	1.31	5831	3265	0.56	1.38	5684	3183	0.56	1.47
28	16	4851	4657	0.96	1.22	4704	4516	0.96	1.28	4557	4375	0.96	1.36
	18	5194	4363	0.84	1.24	5047	4239	0.84	1.31	4876	4095	0.84	1.40
	20	5586	4022	0.72	1.28	5464	3934	0.72	1.34	5317	3828	0.72	1.43
	22	5954	3572	0.60	1.31	5831	3499	0.60	1.38	5684	3410	0.60	1.47
30	16	4851	4851	1.00	1.22	4704	4704	1.00	1.28	4557	4557	1.00	1.36
	18	5194	4778	0.92	1.24	5047	4643	0.92	1.31	4876	4485	0.92	1.40
	20	5586	4469	0.80	1.28	5464	4371	0.80	1.34	5317	4253	0.80	1.43
	22	5954	4048	0.68	1.31	5831	3965	0.68	1.38	5684	3865	0.68	1.47
32	16	4851	4851	1.00	1.22	4704	4704	1.00	1.28	4557	4557	1.00	1.36
	18	5194	5194	1.00	1.24	5047	5047	1.00	1.31	4876	4876	1.00	1.40
	20	5586	4916	0.88	1.28	5464	4808	0.88	1.34	5317	4679	0.88	1.43
	22	5954	4525	0.76	1.31	5831	4432	0.76	1.38	5684	4320	0.76	1.47
34	16	4851	4851	1.00	1.22	4704	4704	1.00	1.28	4557	4557	1.00	1.36
	18	5194	5194	1.00	1.24	5047	5047	1.00	1.31	4876	4876	1.00	1.40
	20	5586	5363	0.96	1.28	5464	5245	0.96	1.34	5317	5104	0.96	1.43
	22	5954	5001	0.84	1.31	5831	4898	0.84	1.38	5684	4775	0.84	1.47

Indoor Intake air D.B. (°C)	Indoor Intake air W.B. (°C)	Outdoor intake air D.B. (°C)											
		35				40				45			
		CA	SHC(W)	SHF	P.C.	CA	SHC(W)	SHF	P.C.	CA	SHC(W)	SHF	P.C.
20	16	4361	2791	0.64	1.46	4165	2666	0.64	1.57	3969	2540	0.64	1.69
	18	4704	2446	0.52	1.50	4557	2370	0.52	1.61	4263	2217	0.52	1.73
	20	5096	2038	0.40	1.54	4900	1960	0.40	1.64	4606	1842	0.40	1.76
22	16	4361	3140	0.72	1.46	4165	2999	0.72	1.57	3969	2858	0.72	1.69
	18	4704	2822	0.60	1.50	4557	2734	0.60	1.61	4263	2558	0.60	1.73
	20	5096	2446	0.48	1.54	4900	2352	0.48	1.64	4606	2211	0.48	1.76
24	16	4361	3489	0.80	1.46	4165	3332	0.80	1.57	3969	3175	0.80	1.69
	18	4704	3199	0.68	1.50	4557	3099	0.68	1.61	4263	2899	0.68	1.73
	20	5096	2854	0.56	1.54	4900	2744	0.56	1.64	4606	2579	0.56	1.76
	22	5488	2415	0.44	1.57	5292	2328	0.44	1.69	4998	2199	0.44	1.79
26	16	4361	3838	0.88	1.46	4165	3665	0.88	1.57	3969	3493	0.88	1.69
	18	4704	3575	0.76	1.50	4557	3463	0.76	1.61	4263	3240	0.76	1.73
	20	5096	3261	0.64	1.54	4900	3136	0.64	1.64	4606	2948	0.64	1.76
	22	5488	2854	0.52	1.57	5292	2752	0.52	1.69	4998	2599	0.52	1.79
27	16	4361	4012	0.92	1.46	4165	3832	0.92	1.57	3969	3651	0.92	1.69
	18	4704	3763	0.80	1.50	4557	3646	0.80	1.61	4263	3410	0.80	1.73
	20	5096	3465	0.68	1.54	4900	3332	0.68	1.64	4606	3132	0.68	1.76
	22	5488	3073	0.56	1.57	5292	2964	0.56	1.69	4998	2799	0.56	1.79
28	16	4361	4187	0.96	1.46	4165	3998	0.96	1.57	3969	3810	0.96	1.69
	18	4704	3951	0.84	1.50	4557	3828	0.84	1.61	4263	3581	0.84	1.73
	20	5096	3669	0.72	1.54	4900	3528	0.72	1.64	4606	3316	0.72	1.76
	22	5488	3293	0.60	1.57	5292	3175	0.60	1.69	4998	2999	0.60	1.79
30	16	4361	4361	1.00	1.46	4165	4165	1.00	1.57	3969	3969	1.00	1.69
	18	4704	4328	0.92	1.50	4557	4192	0.92	1.61	4263	3922	0.92	1.73
	20	5096	4077	0.80	1.54	4900	3920	0.80	1.64	4606	3685	0.80	1.76
	22	5488	3732	0.68	1.57	5292	3599	0.68	1.69	4998	3399	0.68	1.79
32	16	4361	4361	1.00	1.46	4165	4165	1.00	1.57	3969	3969	1.00	1.69
	18	4704	4704	1.00	1.50	4557	4557	1.00	1.61	4263	4263	1.00	1.73
	20	5096	4484	0.88	1.54	4900	4312	0.88	1.64	4606	4053	0.88	1.76
	22	5488	4171	0.76	1.57	5292	4022	0.76	1.69	4998	3798	0.76	1.79
34	16	4361	4361	1.00	1.46	4165	4165	1.00	1.57	3969	3969	1.00	1.69
	18	4704	4704	1.00	1.50	4557	4557	1.00	1.61	4263	4263	1.00	1.73
	20	5096	4892	0.96	1.54	4900	4704	0.96	1.64	4606	4422	0.96	1.76
	22	5488	4610	0.84	1.57	5292	4445	0.84	1.69	4998	4198	0.84	1.79

Notes CA: Capacity (W) SHC: Sensible heat capacity (W)
P.C.: Power consumption (kW) SHF: Sensible heat factor

PEAD-RP2.5EA/PUHZ-RP2.5VHA (230V)

Indoor Intake air D.B. (°C)	Indoor Intake air W.B. (°C)	Outdoor intake air D.B. (°C)											
		20				25				30			
		CA	SHC(W)	SHF	P.C.	CA	SHC(W)	SHF	P.C.	CA	SHC(W)	SHF	P.C.
20	16	5940	3742	0.63	1.49	5760	3629	0.63	1.57	5580	3515	0.63	1.66
	18	6360	3244	0.51	1.52	6180	3152	0.51	1.60	5970	3045	0.51	1.71
	20	6840	2668	0.39	1.56	6690	2609	0.39	1.64	6510	2539	0.39	1.75
22	16	5940	4217	0.71	1.49	5760	4090	0.71	1.57	5580	3962	0.71	1.66
	18	6360	3752	0.59	1.52	6180	3646	0.59	1.60	5970	3522	0.59	1.71
	20	6840	3215	0.47	1.56	6690	3144	0.47	1.64	6510	3060	0.47	1.75
24	16	5940	4693	0.79	1.49	5760	4550	0.79	1.57	5580	4408	0.79	1.66
	18	6360	4261	0.67	1.52	6180	4141	0.67	1.60	5970	4000	0.67	1.71
	20	6840	3762	0.55	1.56	6690	3680	0.55	1.64	6510	3581	0.55	1.75
	22	7290	3135	0.43	1.60	7140	3070	0.43	1.69	6960	2993	0.43	1.80
26	16	5940	5168	0.87	1.49	5760	5011	0.87	1.57	5580	4855	0.87	1.66
	18	6360	4770	0.75	1.52	6180	4635	0.75	1.60	5970	4478	0.75	1.71
	20	6840	4309	0.63	1.56	6690	4215	0.63	1.64	6510	4101	0.63	1.75
	22	7290	3718	0.51	1.60	7140	3641	0.51	1.69	6960	3550	0.51	1.80
27	16	5940	5405	0.91	1.49	5760	5242	0.91	1.57	5580	5078	0.91	1.66
	18	6360	5024	0.79	1.52	6180	4882	0.79	1.60	5970	4716	0.79	1.71
	20	6840	4583	0.67	1.56	6690	4482	0.67	1.64	6510	4362	0.67	1.75
	22	7290	4010	0.55	1.60	7140	3927	0.55	1.69	6960	3828	0.55	1.80
28	16	5940	5643	0.95	1.49	5760	5472	0.95	1.57	5580	5301	0.95	1.66
	18	6360	5279	0.83	1.52	6180	5129	0.83	1.60	5970	4955	0.83	1.71
	20	6840	4856	0.71	1.56	6690	4750	0.71	1.64	6510	4622	0.71	1.75
	22	7290	4301	0.59	1.60	7140	4213	0.59	1.69	6960	4106	0.59	1.80
30	16	5940	5940	1.00	1.49	5760	5760	1.00	1.57	5580	5580	1.00	1.66
	18	6360	5788	0.91	1.52	6180	5624	0.91	1.60	5970	5433	0.91	1.71
	20	6840	5404	0.79	1.56	6690	5285	0.79	1.64	6510	5143	0.79	1.75
	22	7290	4884	0.67	1.60	7140	4784	0.67	1.69	6960	4663	0.67	1.80
32	16	5940	5940	1.00	1.49	5760	5760	1.00	1.57	5580	5580	1.00	1.66
	18	6360	6296	0.99	1.52	6180	6118	0.99	1.60	5970	5910	0.99	1.71
	20	6840	5951	0.87	1.56	6690	5820	0.87	1.64	6510	5664	0.87	1.75
	22	7290	5468	0.75	1.60	7140	5355	0.75	1.69	6960	5220	0.75	1.80
34	16	5940	5940	1.00	1.49	5760	5760	1.00	1.57	5580	5580	1.00	1.66
	18	6360	6360	1.00	1.52	6180	6180	1.00	1.60	5970	5970	1.00	1.71
	20	6840	6498	0.95	1.56	6690	6356	0.95	1.64	6510	6185	0.95	1.75
	22	7290	6051	0.83	1.60	7140	5926	0.83	1.69	6960	5777	0.83	1.80

Indoor Intake air D.B. (°C)	Indoor Intake air W.B. (°C)	Outdoor intake air D.B. (°C)											
		35				40				45			
		CA	SHC(W)	SHF	P.C.	CA	SHC(W)	SHF	P.C.	CA	SHC(W)	SHF	P.C.
20	16	5340	3364	0.63	1.79	5100	3213	0.63	1.92	4860	3062	0.63	2.07
	18	5760	2938	0.51	1.83	5580	2846	0.51	1.97	5220	2662	0.51	2.12
	20	6240	2434	0.39	1.88	6000	2340	0.39	2.01	5640	2200	0.39	2.16
22	16	5340	3791	0.71	1.79	5100	3621	0.71	1.92	4860	3451	0.71	2.07
	18	5760	3398	0.59	1.83	5580	3292	0.59	1.97	5220	3080	0.59	2.12
	20	6240	2933	0.47	1.88	6000	2820	0.47	2.01	5640	2651	0.47	2.16
24	16	5340	4219	0.79	1.79	5100	4029	0.79	1.92	4860	3839	0.79	2.07
	18	5760	3859	0.67	1.83	5580	3739	0.67	1.97	5220	3497	0.67	2.12
	20	6240	3432	0.55	1.88	6000	3300	0.55	2.01	5640	3102	0.55	2.16
	22	6720	2890	0.43	1.92	6480	2786	0.43	2.06	6120	2632	0.43	2.19
26	16	5340	4646	0.87	1.79	5100	4437	0.87	1.92	4860	4228	0.87	2.07
	18	5760	4320	0.75	1.83	5580	4185	0.75	1.97	5220	3915	0.75	2.12
	20	6240	3931	0.63	1.88	6000	3780	0.63	2.01	5640	3553	0.63	2.16
	22	6720	3427	0.51	1.92	6480	3305	0.51	2.06	6120	3121	0.51	2.19
27	16	5340	4859	0.91	1.79	5100	4641	0.91	1.92	4860	4423	0.91	2.07
	18	5760	4550	0.79	1.83	5580	4408	0.79	1.97	5220	4124	0.79	2.12
	20	6240	4181	0.67	1.88	6000	4020	0.67	2.01	5640	3779	0.67	2.16
	22	6720	3696	0.55	1.92	6480	3564	0.55	2.06	6120	3366	0.55	2.19
28	16	5340	5073	0.95	1.79	5100	4845	0.95	1.92	4860	4617	0.95	2.07
	18	5760	4781	0.83	1.83	5580	4631	0.83	1.97	5220	4333	0.83	2.12
	20	6240	4430	0.71	1.88	6000	4260	0.71	2.01	5640	4004	0.71	2.16
	22	6720	3965	0.59	1.92	6480	3823	0.59	2.06	6120	3611	0.59	2.19
30	16	5340	5340	1.00	1.79	5100	5100	1.00	1.92	4860	4860	1.00	2.07
	18	5760	5242	0.91	1.83	5580	5078	0.91	1.97	5220	4750	0.91	2.12
	20	6240	4930	0.79	1.88	6000	4740	0.79	2.01	5640	4456	0.79	2.16
	22	6720	4502	0.67	1.92	6480	4342	0.67	2.06	6120	4100	0.67	2.19
32	16	5340	5340	1.00	1.79	5100	5100	1.00	1.92	4860	4860	1.00	2.07
	18	5760	5702	0.99	1.83	5580	5524	0.99	1.97	5220	5168	0.99	2.12
	20	6240	5429	0.87	1.88	6000	5220	0.87	2.01	5640	4907	0.87	2.16
	22	6720	5040	0.75	1.92	6480	4860	0.75	2.06	6120	4590	0.75	2.19
34	16	5340	5340	1.00	1.79	5100	5100	1.00	1.92	4860	4860	1.00	2.07
	18	5760	5760	1.00	1.83	5580	5580	1.00	1.97	5220	5220	1.00	2.12
	20	6240	5928	0.95	1.88	6000	5700	0.95	2.01	5640	5358	0.95	2.16
	22	6720	5578	0.83	1.92	6480	5378	0.83	2.06	6120	5080	0.83	2.19

Notes CA: Capacity (W) SHC: Sensible heat capacity (W)
P.C.: Power consumption (kW) SHF: Sensible heat factor

PEAD-RP3EA1/PUHZ-RP3VHA (230V)

Indoor Intake air D.B. (°C)	Indoor Intake air W.B. (°C)	Outdoor intake air D.B. (°C)											
		20				25				30			
		CA	SHC(W)	SHF	P.C.	CA	SHC(W)	SHF	P.C.	CA	SHC(W)	SHF	P.C.
20	16	7029	4709	0.67	1.72	6816	4567	0.67	1.82	6603	4424	0.67	1.92
	18	7526	4139	0.55	1.75	7313	4022	0.55	1.85	7065	3885	0.55	1.98
	20	8094	3480	0.43	1.81	7917	3404	0.43	1.89	7704	3313	0.43	2.02
22	16	7029	5272	0.75	1.72	6816	5112	0.75	1.82	6603	4952	0.75	1.92
	18	7526	4741	0.63	1.75	7313	4607	0.63	1.85	7065	4451	0.63	1.98
	20	8094	4128	0.51	1.81	7917	4037	0.51	1.89	7704	3929	0.51	2.02
24	16	7029	5834	0.83	1.72	6816	5657	0.83	1.82	6603	5480	0.83	1.92
	18	7526	5343	0.71	1.75	7313	5192	0.71	1.85	7065	5016	0.71	1.98
	20	8094	4775	0.59	1.81	7917	4671	0.59	1.89	7704	4545	0.59	2.02
	22	8627	4054	0.47	1.85	8449	3971	0.47	1.96	8236	3871	0.47	2.09
26	16	7029	6396	0.91	1.72	6816	6203	0.91	1.82	6603	6009	0.91	1.92
	18	7526	5946	0.79	1.75	7313	5777	0.79	1.85	7065	5581	0.79	1.98
	20	8094	5423	0.67	1.81	7917	5304	0.67	1.89	7704	5161	0.67	2.02
	22	8627	4745	0.55	1.85	8449	4647	0.55	1.96	8236	4530	0.55	2.09
27	16	7029	6678	0.95	1.72	6816	6475	0.95	1.82	6603	6273	0.95	1.92
	18	7526	6247	0.83	1.75	7313	6070	0.83	1.85	7065	5864	0.83	1.98
	20	8094	5747	0.71	1.81	7917	5621	0.71	1.89	7704	5469	0.71	2.02
	22	8627	5090	0.59	1.85	8449	4985	0.59	1.96	8236	4859	0.59	2.09
28	16	7029	6959	0.99	1.72	6816	6748	0.99	1.82	6603	6537	0.99	1.92
	18	7526	6548	0.87	1.75	7313	6362	0.87	1.85	7065	6146	0.87	1.98
	20	8094	6071	0.75	1.81	7917	5937	0.75	1.89	7704	5778	0.75	2.02
	22	8627	5435	0.63	1.85	8449	5323	0.63	1.96	8236	5189	0.63	2.09
30	16	7029	7029	1.00	1.72	6816	6816	1.00	1.82	6603	6603	1.00	1.92
	18	7526	7150	0.95	1.75	7313	6947	0.95	1.85	7065	6711	0.95	1.98
	20	8094	6718	0.83	1.81	7917	6571	0.83	1.89	7704	6394	0.83	2.02
	22	8627	6125	0.71	1.85	8449	5999	0.71	1.96	8236	5848	0.71	2.09
32	16	7029	7029	1.00	1.72	6816	6816	1.00	1.82	6603	6603	1.00	1.92
	18	7526	7526	1.00	1.75	7313	7313	1.00	1.85	7065	7065	1.00	1.98
	20	8094	7366	0.91	1.81	7917	7204	0.91	1.89	7704	7010	0.91	2.02
	22	8627	6815	0.79	1.85	8449	6675	0.79	1.96	8236	6506	0.79	2.09
34	16	7029	7029	1.00	1.72	6816	6816	1.00	1.82	6603	6603	1.00	1.92
	18	7526	7526	1.00	1.75	7313	7313	1.00	1.85	7065	7065	1.00	1.98
	20	8094	8013	0.99	1.81	7917	7837	0.99	1.89	7704	7626	0.99	2.02
	22	8627	7505	0.87	1.85	8449	7351	0.87	1.96	8236	7165	0.87	2.09

Indoor Intake air D.B. (°C)	Indoor Intake air W.B. (°C)	Outdoor intake air D.B. (°C)											
		35				40				45			
		CA	SHC(W)	SHF	P.C.	CA	SHC(W)	SHF	P.C.	CA	SHC(W)	SHF	P.C.
20	16	6319	4234	0.67	2.06	6035	4043	0.67	2.21	5751	3853	0.67	2.40
	18	6816	3749	0.55	2.12	6603	3632	0.55	2.28	6177	3397	0.55	2.45
	20	7384	3175	0.43	2.17	7100	3053	0.43	2.32	6674	2870	0.43	2.49
22	16	6319	4739	0.75	2.06	6035	4526	0.75	2.21	5751	4313	0.75	2.40
	18	6816	4294	0.63	2.12	6603	4160	0.63	2.28	6177	3892	0.63	2.45
	20	7384	3766	0.51	2.17	7100	3621	0.51	2.32	6674	3404	0.51	2.49
24	16	6319	5245	0.83	2.06	6035	5009	0.83	2.21	5751	4773	0.83	2.40
	18	6816	4839	0.71	2.12	6603	4688	0.71	2.28	6177	4386	0.71	2.45
	20	7384	4357	0.59	2.17	7100	4189	0.59	2.32	6674	3938	0.59	2.49
	22	7952	3737	0.47	2.21	7668	3604	0.47	2.39	7242	3404	0.47	2.54
26	16	6319	5750	0.91	2.06	6035	5492	0.91	2.21	5751	5233	0.91	2.40
	18	6816	5385	0.79	2.12	6603	5216	0.79	2.28	6177	4880	0.79	2.45
	20	7384	4947	0.67	2.17	7100	4757	0.67	2.32	6674	4472	0.67	2.49
	22	7952	4374	0.55	2.21	7668	4217	0.55	2.39	7242	3983	0.55	2.54
27	16	6319	6003	0.95	2.06	6035	5733	0.95	2.21	5751	5463	0.95	2.40
	18	6816	5657	0.83	2.12	6603	5480	0.83	2.28	6177	5127	0.83	2.45
	20	7384	5243	0.71	2.17	7100	5041	0.71	2.32	6674	4739	0.71	2.49
	22	7952	4692	0.59	2.21	7668	4524	0.59	2.39	7242	4273	0.59	2.54
28	16	6319	6256	0.99	2.06	6035	5975	0.99	2.21	5751	5693	0.99	2.40
	18	6816	5930	0.87	2.12	6603	5745	0.87	2.28	6177	5374	0.87	2.45
	20	7384	5538	0.75	2.17	7100	5325	0.75	2.32	6674	5006	0.75	2.49
	22	7952	5010	0.63	2.21	7668	4831	0.63	2.39	7242	4562	0.63	2.54
30	16	6319	6319	1.00	2.06	6035	6035	1.00	2.21	5751	5751	1.00	2.40
	18	6816	6475	0.95	2.12	6603	6273	0.95	2.28	6177	5868	0.95	2.45
	20	7384	6129	0.83	2.17	7100	5893	0.83	2.32	6674	5539	0.83	2.49
	22	7952	5646	0.71	2.21	7668	5444	0.71	2.39	7242	5142	0.71	2.54
32	16	6319	6319	1.00	2.06	6035	6035	1.00	2.21	5751	5751	1.00	2.40
	18	6816	6816	1.00	2.12	6603	6603	1.00	2.28	6177	6177	1.00	2.45
	20	7384	6719	0.91	2.17	7100	6461	0.91	2.32	6674	6073	0.91	2.49
	22	7952	6282	0.79	2.21	7668	6058	0.79	2.39	7242	5721	0.79	2.54
34	16	6319	6319	1.00	2.06	6035	6035	1.00	2.21	5751	5751	1.00	2.40
	18	6816	6816	1.00	2.12	6603	6603	1.00	2.28	6177	6177	1.00	2.45
	20	7384	7310	0.99	2.17	7100	7029	0.99	2.32	6674	6607	0.99	2.49
	22	7952	6918	0.87	2.21	7668	6671	0.87	2.39	7242	6301	0.87	2.54

Notes CA: Capacity (W) SHC: Sensible heat capacity (W)
P.C.: Power consumption (kW) SHF: Sensible heat factor

PEAD-RP4EA1/PUHZ-RP4VHA (230V)

Indoor Intake air D.B. (°C)	Indoor Intake air W.B. (°C)	Outdoor intake air D.B. (°C)											
		20				25				30			
		CA	SHC(W)	SHF	P.C.	CA	SHC(W)	SHF	P.C.	CA	SHC(W)	SHF	P.C.
20	16	9900	6534	0.66	2.46	9600	6336	0.66	2.60	9300	6138	0.66	2.76
	18	10600	5724	0.54	2.51	10300	5562	0.54	2.65	9950	5373	0.54	2.83
	20	11400	4788	0.42	2.59	11150	4683	0.42	2.71	10850	4557	0.42	2.90
22	16	9900	7326	0.74	2.46	9600	7104	0.74	2.60	9300	6882	0.74	2.76
	18	10600	6572	0.62	2.51	10300	6386	0.62	2.65	9950	6169	0.62	2.83
	20	11400	5700	0.50	2.59	11150	5575	0.50	2.71	10850	5425	0.50	2.90
24	16	9900	8118	0.82	2.46	9600	7872	0.82	2.60	9300	7626	0.82	2.76
	18	10600	7420	0.70	2.51	10300	7210	0.70	2.65	9950	6965	0.70	2.83
	20	11400	6612	0.58	2.59	11150	6467	0.58	2.71	10850	6293	0.58	2.90
	22	12150	5589	0.46	2.65	11900	5474	0.46	2.80	11600	5336	0.46	2.99
26	16	9900	8910	0.90	2.46	9600	8640	0.90	2.60	9300	8370	0.90	2.76
	18	10600	8268	0.78	2.51	10300	8034	0.78	2.65	9950	7761	0.78	2.83
	20	11400	7524	0.66	2.59	11150	7359	0.66	2.71	10850	7161	0.66	2.90
	22	12150	6561	0.54	2.65	11900	6426	0.54	2.80	11600	6264	0.54	2.99
27	16	9900	9306	0.94	2.46	9600	9024	0.94	2.60	9300	8742	0.94	2.76
	18	10600	8692	0.82	2.51	10300	8446	0.82	2.65	9950	8159	0.82	2.83
	20	11400	7980	0.70	2.59	11150	7805	0.70	2.71	10850	7595	0.70	2.90
	22	12150	7047	0.58	2.65	11900	6902	0.58	2.80	11600	6728	0.58	2.99
28	16	9900	9702	0.98	2.46	9600	9408	0.98	2.60	9300	9114	0.98	2.76
	18	10600	9116	0.86	2.51	10300	8858	0.86	2.65	9950	8557	0.86	2.83
	20	11400	8436	0.74	2.59	11150	8251	0.74	2.71	10850	8029	0.74	2.90
	22	12150	7533	0.62	2.65	11900	7378	0.62	2.80	11600	7192	0.62	2.99
30	16	9900	9900	1.00	2.46	9600	9600	1.00	2.60	9300	9300	1.00	2.76
	18	10600	9964	0.94	2.51	10300	9682	0.94	2.65	9950	9353	0.94	2.83
	20	11400	9348	0.82	2.59	11150	9143	0.82	2.71	10850	8897	0.82	2.90
	22	12150	8505	0.70	2.65	11900	8330	0.70	2.80	11600	8120	0.70	2.99
32	16	9900	9900	1.00	2.46	9600	9600	1.00	2.60	9300	9300	1.00	2.76
	18	10600	10600	1.00	2.51	10300	10300	1.00	2.65	9950	9950	1.00	2.83
	20	11400	10260	0.90	2.59	11150	10035	0.90	2.71	10850	9765	0.90	2.90
	22	12150	9477	0.78	2.65	11900	9282	0.78	2.80	11600	9048	0.78	2.99
34	16	9900	9900	1.00	2.46	9600	9600	1.00	2.60	9300	9300	1.00	2.76
	18	10600	10600	1.00	2.51	10300	10300	1.00	2.65	9950	9950	1.00	2.83
	20	11400	11172	0.98	2.59	11150	10927	0.98	2.71	10850	10633	0.98	2.90
	22	12150	10449	0.86	2.65	11900	10234	0.86	2.80	11600	9976	0.86	2.99

Indoor Intake air D.B. (°C)	Indoor Intake air W.B. (°C)	Outdoor intake air D.B. (°C)											
		35				40				45			
		CA	SHC(W)	SHF	P.C.	CA	SHC(W)	SHF	P.C.	CA	SHC(W)	SHF	P.C.
20	16	8900	5874	0.66	2.96	8500	5610	0.66	3.17	8100	5346	0.66	3.43
	18	9600	5184	0.54	3.03	9300	5022	0.54	3.26	8700	4698	0.54	3.51
	20	10400	4368	0.42	3.11	10000	4200	0.42	3.33	9400	3948	0.42	3.57
22	16	8900	6586	0.74	2.96	8500	6290	0.74	3.17	8100	5994	0.74	3.43
	18	9600	5952	0.62	3.03	9300	5766	0.62	3.26	8700	5394	0.62	3.51
	20	10400	5200	0.50	3.11	10000	5000	0.50	3.33	9400	4700	0.50	3.57
24	16	8900	7298	0.82	2.96	8500	6970	0.82	3.17	8100	6642	0.82	3.43
	18	9600	6720	0.70	3.03	9300	6510	0.70	3.26	8700	6090	0.70	3.51
	20	10400	6032	0.58	3.11	10000	5800	0.58	3.33	9400	5452	0.58	3.57
	22	11200	5152	0.46	3.17	10800	4968	0.46	3.42	10200	4692	0.46	3.63
26	16	8900	8010	0.90	2.96	8500	7650	0.90	3.17	8100	7290	0.90	3.43
	18	9600	7488	0.78	3.03	9300	7254	0.78	3.26	8700	6786	0.78	3.51
	20	10400	6864	0.66	3.11	10000	6600	0.66	3.33	9400	6204	0.66	3.57
	22	11200	6048	0.54	3.17	10800	5832	0.54	3.42	10200	5508	0.54	3.63
27	16	8900	8366	0.94	2.96	8500	7990	0.94	3.17	8100	7614	0.94	3.43
	18	9600	7872	0.82	3.03	9300	7626	0.82	3.26	8700	7134	0.82	3.51
	20	10400	7280	0.70	3.11	10000	7000	0.70	3.33	9400	6580	0.70	3.57
	22	11200	6496	0.58	3.17	10800	6264	0.58	3.42	10200	5916	0.58	3.63
28	16	8900	8722	0.98	2.96	8500	8330	0.98	3.17	8100	7938	0.98	3.43
	18	9600	8256	0.86	3.03	9300	7998	0.86	3.26	8700	7482	0.86	3.51
	20	10400	7696	0.74	3.11	10000	7400	0.74	3.33	9400	6956	0.74	3.57
	22	11200	6944	0.62	3.17	10800	6696	0.62	3.42	10200	6324	0.62	3.63
30	16	8900	8900	1.00	2.96	8500	8500	1.00	3.17	8100	8100	1.00	3.43
	18	9600	9024	0.94	3.03	9300	8742	0.94	3.26	8700	8178	0.94	3.51
	20	10400	8528	0.82	3.11	10000	8200	0.82	3.33	9400	7708	0.82	3.57
	22	11200	7840	0.70	3.17	10800	7560	0.70	3.42	10200	7140	0.70	3.63
32	16	8900	8900	1.00	2.96	8500	8500	1.00	3.17	8100	8100	1.00	3.43
	18	9600	9600	1.00	3.03	9300	9300	1.00	3.26	8700	8700	1.00	3.51
	20	10400	9360	0.90	3.11	10000	9000	0.90	3.33	9400	8460	0.90	3.57
	22	11200	8736	0.78	3.17	10800	8424	0.78	3.42	10200	7956	0.78	3.63
34	16	8900	8900	1.00	2.96	8500	8500	1.00	3.17	8100	8100	1.00	3.43
	18	9600	9600	1.00	3.03	9300	9300	1.00	3.26	8700	8700	1.00	3.51
	20	10400	10192	0.98	3.11	10000	9800	0.98	3.33	9400	9212	0.98	3.57
	22	11200	9632	0.86	3.17	10800	9288	0.86	3.42	10200	8772	0.86	3.63

Notes CA: Capacity (W) SHC: Sensible heat capacity (W)
P.C.: Power consumption (kW) SHF: Sensible heat factor

PEAD-RP5EA1/PUHZ-RP5VHA (230V)

Indoor Intake air D.B. (°C)	Indoor Intake air W.B. (°C)	Outdoor intake air D.B. (°C) 20 CA	20 SHC(W)	20 SHF	20 P.C.	25 CA	25 SHC(W)	25 SHF	25 P.C.	30 CA	30 SHC(W)	30 SHF	30 P.C.
20	16	12375	8168	0.66	2.95	12000	7920	0.66	3.12	11625	7673	0.66	3.30
	18	13250	7155	0.54	3.01	12875	6953	0.54	3.17	12438	6716	0.54	3.39
	20	14250	5985	0.42	3.10	13938	5854	0.42	3.25	13563	5696	0.42	3.47
22	16	12375	9158	0.74	2.95	12000	8880	0.74	3.12	11625	8603	0.74	3.30
	18	13250	8215	0.62	3.01	12875	7983	0.62	3.17	12438	7711	0.62	3.39
	20	14250	7125	0.50	3.10	13938	6969	0.50	3.25	13563	6781	0.50	3.47
24	16	12375	10148	0.82	2.95	12000	9840	0.82	3.12	11625	9533	0.82	3.30
	18	13250	9275	0.70	3.01	12875	9013	0.70	3.17	12438	8706	0.70	3.39
	20	14250	8265	0.58	3.10	13938	8084	0.58	3.25	13563	7866	0.58	3.47
	22	15188	6986	0.46	3.17	14875	6843	0.46	3.36	14500	6670	0.46	3.58
26	16	12375	11138	0.90	2.95	12000	10800	0.90	3.12	11625	10463	0.90	3.30
	18	13250	10335	0.78	3.01	12875	10043	0.78	3.17	12438	9701	0.78	3.39
	20	14250	9405	0.66	3.10	13938	9199	0.66	3.25	13563	8951	0.66	3.47
	22	15188	8201	0.54	3.17	14875	8033	0.54	3.36	14500	7830	0.54	3.58
27	16	12375	11633	0.94	2.95	12000	11280	0.94	3.12	11625	10928	0.94	3.30
	18	13250	10865	0.82	3.01	12875	10558	0.82	3.17	12438	10199	0.82	3.39
	20	14250	9975	0.70	3.10	13938	9756	0.70	3.25	13563	9494	0.70	3.47
	22	15188	8809	0.58	3.17	14875	8628	0.58	3.36	14500	8410	0.58	3.58
28	16	12375	12128	0.98	2.95	12000	11760	0.98	3.12	11625	11393	0.98	3.30
	18	13250	11395	0.86	3.01	12875	11073	0.86	3.17	12438	10696	0.86	3.39
	20	14250	10545	0.74	3.10	13938	10314	0.74	3.25	13563	10036	0.74	3.47
	22	15188	9416	0.62	3.17	14875	9223	0.62	3.36	14500	8990	0.62	3.58
30	16	12375	12375	1.00	2.95	12000	12000	1.00	3.12	11625	11625	1.00	3.30
	18	13250	12455	0.94	3.01	12875	12103	0.94	3.17	12438	11691	0.94	3.39
	20	14250	11685	0.82	3.10	13938	11429	0.82	3.25	13563	11121	0.82	3.47
	22	15188	10631	0.70	3.17	14875	10413	0.70	3.36	14500	10150	0.70	3.58
32	16	12375	12375	1.00	2.95	12000	12000	1.00	3.12	11625	11625	1.00	3.30
	18	13250	13250	1.00	3.01	12875	12875	1.00	3.17	12438	12438	1.00	3.39
	20	14250	12825	0.90	3.10	13938	12544	0.90	3.25	13563	12206	0.90	3.47
	22	15188	11846	0.78	3.17	14875	11603	0.78	3.36	14500	11310	0.78	3.58
34	16	12375	12375	1.00	2.95	12000	12000	1.00	3.12	11625	11625	1.00	3.30
	18	13250	13250	1.00	3.01	12875	12875	1.00	3.17	12438	12438	1.00	3.39
	20	14250	13965	0.98	3.10	13938	13659	0.98	3.25	13563	13291	0.98	3.47
	22	15188	13061	0.86	3.17	14875	12793	0.86	3.36	14500	12470	0.86	3.58

Indoor Intake air D.B. (°C)	Indoor Intake air W.B. (°C)	Outdoor intake air D.B. (°C) 35 CA	35 SHC(W)	35 SHF	35 P.C.	40 CA	40 SHC(W)	40 SHF	40 P.C.	45 CA	45 SHC(W)	45 SHF	45 P.C.
20	16	11125	7343	0.66	3.54	10625	7013	0.66	3.80	10125	6683	0.66	4.11
	18	12000	6480	0.54	3.63	11625	6278	0.54	3.91	10875	5873	0.54	4.21
	20	13000	5460	0.42	3.73	12500	5250	0.42	3.99	11750	4935	0.42	4.28
22	16	11125	8233	0.74	3.54	10625	7863	0.74	3.80	10125	7493	0.74	4.11
	18	12000	7440	0.62	3.63	11625	7208	0.62	3.91	10875	6743	0.62	4.21
	20	13000	6500	0.50	3.73	12500	6250	0.50	3.99	11750	5875	0.50	4.28
24	16	11125	9123	0.82	3.54	10625	8713	0.82	3.80	10125	8303	0.82	4.11
	18	12000	8400	0.70	3.63	11625	8138	0.70	3.91	10875	7613	0.70	4.21
	20	13000	7540	0.58	3.73	12500	7250	0.58	3.99	11750	6815	0.58	4.28
	22	14000	6440	0.46	3.80	13500	6210	0.46	4.10	12750	5865	0.46	4.35
26	16	11125	10013	0.90	3.54	10625	9563	0.90	3.80	10125	9113	0.90	4.11
	18	12000	9360	0.78	3.63	11625	9068	0.78	3.91	10875	8483	0.78	4.21
	20	13000	8580	0.66	3.73	12500	8250	0.66	3.99	11750	7755	0.66	4.28
	22	14000	7560	0.54	3.80	13500	7290	0.54	4.10	12750	6885	0.54	4.35
27	16	11125	10458	0.94	3.54	10625	9988	0.94	3.80	10125	9518	0.94	4.11
	18	12000	9840	0.82	3.63	11625	9533	0.82	3.91	10875	8918	0.82	4.21
	20	13000	9100	0.70	3.73	12500	8750	0.70	3.99	11750	8225	0.70	4.28
	22	14000	8120	0.58	3.80	13500	7830	0.58	4.10	12750	7395	0.58	4.35
28	16	11125	10903	0.98	3.54	10625	10413	0.98	3.80	10125	9923	0.98	4.11
	18	12000	10320	0.86	3.63	11625	9998	0.86	3.91	10875	9353	0.86	4.21
	20	13000	9620	0.74	3.73	12500	9250	0.74	3.99	11750	8695	0.74	4.28
	22	14000	8680	0.62	3.80	13500	8370	0.62	4.10	12750	7905	0.62	4.35
30	16	11125	11125	1.00	3.54	10625	10625	1.00	3.80	10125	10125	1.00	4.11
	18	12000	11280	0.94	3.63	11625	10928	0.94	3.91	10875	10223	0.94	4.21
	20	13000	10660	0.82	3.73	12500	10250	0.82	3.99	11750	9635	0.82	4.28
	22	14000	9800	0.70	3.80	13500	9450	0.70	4.10	12750	8925	0.70	4.35
32	16	11125	11125	1.00	3.54	10625	10625	1.00	3.80	10125	10125	1.00	4.11
	18	12000	12000	1.00	3.63	11625	11625	1.00	3.91	10875	10875	1.00	4.21
	20	13000	11700	0.90	3.73	12500	11250	0.90	3.99	11750	10575	0.90	4.28
	22	14000	10920	0.78	3.80	13500	10530	0.78	4.10	12750	9945	0.78	4.35
34	16	11125	11125	1.00	3.54	10625	10625	1.00	3.80	10125	10125	1.00	4.11
	18	12000	12000	1.00	3.63	11625	11625	1.00	3.91	10875	10875	1.00	4.21
	20	13000	12740	0.98	3.73	12500	12250	0.98	3.99	11750	11515	0.98	4.28
	22	14000	12040	0.86	3.80	13500	11610	0.86	4.10	12750	10965	0.86	4.35

Notes CA: Capacity (W) SHC: Sensible heat capacity (W)
P.C.: Power consumption (kW) SHF: Sensible heat factor

PEAD-RP6EA1/PUHZ-RP6VHA (230V)

Indoor Intake air D.B. (°C)	Indoor Intake air W.B. (°C)	Outdoor intake air D.B. (°C) 20 CA	20 SHC(W)	20 SHF	20 P.C.	25 CA	25 SHC(W)	25 SHF	25 P.C.	30 CA	30 SHC(W)	30 SHF	30 P.C.
20	16	13860	9009	0.65	3.93	13440	8736	0.65	4.15	13020	8463	0.65	4.39
	18	14840	7865	0.53	4.00	14420	7643	0.53	4.22	13930	7383	0.53	4.52
	20	15960	6544	0.41	4.12	15610	6400	0.41	4.32	15190	6228	0.41	4.62
22	16	13860	10118	0.73	3.93	13440	9811	0.73	4.15	13020	9505	0.73	4.39
	18	14840	9052	0.61	4.00	14420	8796	0.61	4.22	13930	8497	0.61	4.52
	20	15960	7820	0.49	4.12	15610	7649	0.49	4.32	15190	7443	0.49	4.62
24	16	13860	11227	0.81	3.93	13440	10886	0.81	4.15	13020	10546	0.81	4.39
	18	14840	10240	0.69	4.00	14420	9950	0.69	4.22	13930	9612	0.69	4.52
	20	15960	9097	0.57	4.12	15610	8898	0.57	4.32	15190	8658	0.57	4.62
	22	17010	7655	0.45	4.22	16660	7497	0.45	4.47	16240	7308	0.45	4.76
26	16	13860	12335	0.89	3.93	13440	11962	0.89	4.15	13020	11588	0.89	4.39
	18	14840	11427	0.77	4.00	14420	11103	0.77	4.22	13930	10726	0.77	4.52
	20	15960	10374	0.65	4.12	15610	10147	0.65	4.32	15190	9874	0.65	4.62
	22	17010	9015	0.53	4.22	16660	8830	0.53	4.47	16240	8607	0.53	4.76
27	16	13860	12890	0.93	3.93	13440	12499	0.93	4.15	13020	12109	0.93	4.39
	18	14840	12020	0.81	4.00	14420	11680	0.81	4.22	13930	11283	0.81	4.52
	20	15960	11012	0.69	4.12	15610	10771	0.69	4.32	15190	10481	0.69	4.62
	22	17010	9696	0.57	4.22	16660	9496	0.57	4.47	16240	9257	0.57	4.76
28	16	13860	13444	0.97	3.93	13440	13037	0.97	4.15	13020	12629	0.97	4.39
	18	14840	12614	0.85	4.00	14420	12257	0.85	4.22	13930	11841	0.85	4.52
	20	15960	11651	0.73	4.12	15610	11395	0.73	4.32	15190	11089	0.73	4.62
	22	17010	10376	0.61	4.22	16660	10163	0.61	4.47	16240	9906	0.61	4.76
30	16	13860	13860	1.00	3.93	13440	13440	1.00	4.15	13020	13020	1.00	4.39
	18	14840	13801	0.93	4.00	14420	13411	0.93	4.22	13930	12955	0.93	4.52
	20	15960	12928	0.81	4.12	15610	12644	0.81	4.32	15190	12304	0.81	4.62
	22	17010	11737	0.69	4.22	16660	11495	0.69	4.47	16240	11206	0.69	4.76
32	16	13860	13860	1.00	3.93	13440	13440	1.00	4.15	13020	13020	1.00	4.39
	18	14840	14840	1.00	4.00	14420	14420	1.00	4.22	13930	13930	1.00	4.52
	20	15960	14204	0.89	4.12	15610	13893	0.89	4.32	15190	13519	0.89	4.62
	22	17010	13098	0.77	4.22	16660	12828	0.77	4.47	16240	12505	0.77	4.76
34	16	13860	13860	1.00	3.93	13440	13440	1.00	4.15	13020	13020	1.00	4.39
	18	14840	14840	1.00	4.00	14420	14420	1.00	4.22	13930	13930	1.00	4.52
	20	15960	15481	0.97	4.12	15610	15142	0.97	4.32	15190	14734	0.97	4.62
	22	17010	14459	0.85	4.22	16660	14161	0.85	4.47	16240	13804	0.85	4.76

Indoor Intake air D.B. (°C)	Indoor Intake air W.B. (°C)	Outdoor intake air D.B. (°C) 35 CA	35 SHC(W)	35 SHF	35 P.C.	40 CA	40 SHC(W)	40 SHF	40 P.C.	45 CA	45 SHC(W)	45 SHF	45 P.C.
20	16	12460	8099	0.65	4.71	11900	7735	0.65	5.06	11340	7371	0.65	5.47
	18	13440	7123	0.53	4.84	13020	6901	0.53	5.20	12180	6455	0.53	5.60
	20	14560	5970	0.41	4.96	14000	5740	0.41	5.30	13160	5396	0.41	5.70
22	16	12460	9096	0.73	4.71	11900	8687	0.73	5.06	11340	8278	0.73	5.47
	18	13440	8198	0.61	4.84	13020	7942	0.61	5.20	12180	7430	0.61	5.60
	20	14560	7134	0.49	4.96	14000	6860	0.49	5.30	13160	6448	0.49	5.70
24	16	12460	10093	0.81	4.71	11900	9639	0.81	5.06	11340	9185	0.81	5.47
	18	13440	9274	0.69	4.84	13020	8984	0.69	5.20	12180	8404	0.69	5.60
	20	14560	8299	0.57	4.96	14000	7980	0.57	5.30	13160	7501	0.57	5.70
	22	15680	7056	0.45	5.06	15120	6804	0.45	5.45	14280	6426	0.45	5.79
26	16	12460	11089	0.89	4.71	11900	10591	0.89	5.06	11340	10093	0.89	5.47
	18	13440	10349	0.77	4.84	13020	10025	0.77	5.20	12180	9379	0.77	5.60
	20	14560	9464	0.65	4.96	14000	9100	0.65	5.30	13160	8554	0.65	5.70
	22	15680	8310	0.53	5.06	15120	8014	0.53	5.45	14280	7568	0.53	5.79
27	16	12460	11588	0.93	4.71	11900	11067	0.93	5.06	11340	10546	0.93	5.47
	18	13440	10886	0.81	4.84	13020	10546	0.81	5.20	12180	9866	0.81	5.60
	20	14560	10046	0.69	4.96	14000	9660	0.69	5.30	13160	9080	0.69	5.70
	22	15680	8938	0.57	5.06	15120	8618	0.57	5.45	14280	8140	0.57	5.79
28	16	12460	12086	0.97	4.71	11900	11543	0.97	5.06	11340	11000	0.97	5.47
	18	13440	11424	0.85	4.84	13020	11067	0.85	5.20	12180	10353	0.85	5.60
	20	14560	10629	0.73	4.96	14000	10220	0.73	5.30	13160	9607	0.73	5.70
	22	15680	9565	0.61	5.06	15120	9223	0.61	5.45	14280	8711	0.61	5.79
30	16	12460	12460	1.00	4.71	11900	11900	1.00	5.06	11340	11340	1.00	5.47
	18	13440	12499	0.93	4.84	13020	12109	0.93	5.20	12180	11327	0.93	5.60
	20	14560	11794	0.81	4.96	14000	11340	0.81	5.30	13160	10660	0.81	5.70
	22	15680	10819	0.69	5.06	15120	10433	0.69	5.45	14280	9853	0.69	5.79
32	16	12460	12460	1.00	4.71	11900	11900	1.00	5.06	11340	11340	1.00	5.47
	18	13440	13440	1.00	4.84	13020	13020	1.00	5.20	12180	12180	1.00	5.60
	20	14560	12958	0.89	4.96	14000	12460	0.89	5.30	13160	11712	0.89	5.70
	22	15680	12074	0.77	5.06	15120	11642	0.77	5.45	14280	10996	0.77	5.79
34	16	12460	12460	1.00	4.71	11900	11900	1.00	5.06	11340	11340	1.00	5.47
	18	13440	13440	1.00	4.84	13020	13020	1.00	5.20	12180	12180	1.00	5.60
	20	14560	14123	0.97	4.96	14000	13580	0.97	5.30	13160	12765	0.97	5.70
	22	15680	13328	0.85	5.06	15120	12852	0.85	5.45	14280	12138	0.85	5.79

Notes CA: Capacity (W) SHC: Sensible heat capacity (W)
P.C.: Power consumption (kW) SHF: Sensible heat factor

1) COOLING CAPACITY <2>

PEAD-RP1.6EA/PU(H)-P1.6VGAA(1).UK, PU(H)-P1.6YGAA(1).UK (230V)

Indoor Intake air D.B. (°C)	Indoor Intake air W.B. (°C)	Outdoor intake air D.B. (°C)											
		20				25				30			
		CA	SHC(W)	SHF	P.C.	CA	SHC(W)	SHF	P.C.	CA	SHC(W)	SHF	P.C.
20	16	4406	2731	0.62	1.37	4272	2649	0.62	1.44	4139	2566	0.62	1.53
	18	4717	2358	0.50	1.40	4584	2292	0.50	1.47	4428	2214	0.50	1.57
	20	5073	1928	0.38	1.43	4962	1885	0.38	1.50	4828	1835	0.38	1.61
22	16	4406	3084	0.70	1.37	4272	2990	0.70	1.44	4139	2897	0.70	1.53
	18	4717	2736	0.58	1.40	4584	2658	0.58	1.47	4428	2568	0.58	1.57
	20	5073	2334	0.46	1.43	4962	2282	0.46	1.50	4828	2221	0.46	1.61
24	16	4406	3436	0.78	1.37	4272	3332	0.78	1.44	4139	3228	0.78	1.53
	18	4717	3113	0.66	1.40	4584	3025	0.66	1.47	4428	2922	0.66	1.57
	20	5073	2739	0.54	1.43	4962	2679	0.54	1.50	4828	2607	0.54	1.61
	22	5407	2315	0.43	1.47	5296	2267	0.43	1.47	5162	2210	0.43	1.66
26	16	4406	3789	0.86	1.37	4272	3674	0.86	1.44	4139	3559	0.86	1.53
	18	4717	3491	0.74	1.40	4584	3392	0.74	1.47	4428	3277	0.74	1.57
	20	5073	3145	0.62	1.43	4962	3076	0.62	1.50	4828	2994	0.62	1.61
	22	5407	2736	0.51	1.47	5296	2679	0.51	1.47	5162	2612	0.51	1.66
28	16	4406	4141	0.94	1.37	4272	4016	0.94	1.44	4139	3890	0.94	1.53
	18	4717	3868	0.82	1.40	4584	3758	0.82	1.47	4428	3631	0.82	1.57
	20	5073	3551	0.70	1.43	4962	3473	0.70	1.50	4828	3380	0.70	1.61
	22	5407	3156	0.58	1.47	5296	3091	0.58	1.47	5162	3013	0.58	1.66
30	16	4406	4406	1.00	1.37	4272	4272	1.00	1.44	4139	4139	1.00	1.53
	18	4717	4245	0.90	1.40	4584	4125	0.90	1.47	4428	3985	0.90	1.57
	20	5073	3957	0.78	1.43	4962	3870	0.78	1.50	4828	3766	0.78	1.61
	22	5407	3577	0.66	1.47	5296	3504	0.66	1.47	5162	3415	0.66	1.66
32	16	4406	4406	1.00	1.37	4272	4272	1.00	1.44	4139	4139	1.00	1.53
	18	4717	4623	0.98	1.40	4584	4492	0.98	1.47	4428	4339	0.98	1.57
	20	5073	4363	0.86	1.43	4962	4267	0.86	1.50	4828	4152	0.86	1.61
	22	5407	3998	0.74	1.47	5296	3916	0.74	1.47	5162	3817	0.74	1.66
34	16	4406	4406	1.00	1.37	4272	4272	1.00	1.44	4139	4139	1.00	1.53
	18	4717	4717	1.00	1.40	4584	4584	1.00	1.47	4428	4428	1.00	1.57
	20	5073	4769	0.94	1.43	4962	4664	0.94	1.50	4828	4539	0.94	1.61
	22	5407	4419	0.82	1.47	5296	4328	0.82	1.47	5162	4219	0.82	1.66

Indoor Intake air D.B. (°C)	Indoor Intake air W.B. (°C)	Outdoor intake air D.B. (°C)											
		35				40				45			
		CA	SHC(W)	SHF	P.C.	CA	SHC(W)	SHF	P.C.	CA	SHC(W)	SHF	P.C.
20	16	3961	2456	0.62	1.64	3783	2345	0.62	1.76	3605	2235	0.62	1.91
	18	4272	2136	0.50	1.69	4139	2069	0.50	1.81	3872	1936	0.50	1.95
	20	4628	1759	0.38	1.72	4450	1691	0.38	1.85	4183	1590	0.38	1.99
22	16	3961	2772	0.70	1.64	3783	2648	0.70	1.76	3605	2523	0.70	1.91
	18	4272	2478	0.58	1.69	4139	2400	0.58	1.81	3872	2245	0.58	1.95
	20	4628	2129	0.46	1.72	4450	2047	0.46	1.85	4183	1924	0.46	1.99
24	16	3961	3089	0.78	1.64	3783	2950	0.78	1.76	3605	2812	0.78	1.91
	18	4272	2820	0.66	1.69	4139	2731	0.66	1.81	3872	2555	0.66	1.95
	20	4628	2499	0.54	1.72	4450	2403	0.54	1.85	4183	2259	0.54	1.99
	22	4984	2134	0.43	1.76	4806	2058	0.43	1.90	4539	1943	0.43	2.02
26	16	3961	3406	0.86	1.64	3783	3253	0.86	1.76	3605	3100	0.86	1.91
	18	4272	3161	0.74	1.69	4139	3062	0.74	1.81	3872	2865	0.74	1.95
	20	4628	2869	0.62	1.72	4450	2759	0.62	1.85	4183	2593	0.62	1.99
	22	4984	2522	0.51	1.76	4806	2432	0.51	1.90	4539	2296	0.51	2.02
28	16	3961	3723	0.94	1.64	3783	3556	0.94	1.76	3605	3388	0.94	1.91
	18	4272	3503	0.82	1.69	4139	3394	0.82	1.81	3872	3175	0.82	1.95
	20	4628	3240	0.70	1.72	4450	3115	0.70	1.85	4183	2928	0.70	1.99
	22	4984	2910	0.58	1.76	4806	2806	0.58	1.90	4539	2650	0.58	2.02
30	16	3961	3961	1.00	1.64	3783	3783	1.00	1.76	3605	3605	1.00	1.91
	18	4272	3845	0.90	1.69	4139	3725	0.90	1.81	3872	3484	0.90	1.95
	20	4628	3610	0.78	1.72	4450	3471	0.78	1.85	4183	3263	0.78	1.99
	22	4984	3297	0.66	1.76	4806	3180	0.66	1.90	4539	3003	0.66	2.02
32	16	3961	3961	1.00	1.64	3783	3783	1.00	1.76	3605	3605	1.00	1.91
	18	4272	4187	0.98	1.69	4139	4056	0.98	1.81	3872	3794	0.98	1.95
	20	4628	3980	0.86	1.72	4450	3827	0.86	1.85	4183	3597	0.86	1.99
	22	4984	3685	0.74	1.76	4806	3554	0.74	1.90	4539	3356	0.74	2.02
34	16	3961	3961	1.00	1.64	3783	3783	1.00	1.76	3605	3605	1.00	1.91
	18	4272	4272	1.00	1.69	4139	4139	1.00	1.81	3872	3872	1.00	1.95
	20	4628	4350	0.94	1.72	4450	4183	0.94	1.85	4183	3932	0.94	1.99
	22	4984	4073	0.82	1.76	4806	3928	0.82	1.90	4539	3710	0.82	2.02

Notes CA: Capacity (W) SHC: Sensible heat capacity (W)
P.C.: Power consumption (kW) SHF: Sensible heat factor

PEAD-RP2EA/PU(H)-P2VGAA(1).UK, PU(H)-P2YGAA(1).UK (230V)

Indoor Intake air D.B. (°C)	Indoor Intake air W.B. (°C)	Outdoor intake air D.B. (°C)											
		20				25				30			
		CA	SHC(W)	SHF	P.C.	CA	SHC(W)	SHF	P.C.	CA	SHC(W)	SHF	P.C.
20	16	5544	3533	0.64	2.02	5376	3426	0.64	2.14	5208	3319	0.64	2.26
	18	5936	3050	0.51	2.06	5768	2964	0.51	2.17	5572	2863	0.51	2.33
	20	6384	2493	0.39	2.12	6244	2439	0.39	2.22	6076	2373	0.39	2.38
22	16	5544	3989	0.72	2.02	5376	3868	0.72	2.14	5208	3747	0.72	2.26
	18	5936	3538	0.60	2.06	5768	3438	0.60	2.17	5572	3322	0.60	2.33
	20	6384	3018	0.47	2.12	6244	2952	0.47	2.22	6076	2873	0.47	2.38
24	16	5544	4444	0.80	2.02	5376	4310	0.80	2.14	5208	4175	0.80	2.26
	18	5936	4027	0.68	2.06	5768	3913	0.68	2.17	5572	3780	0.68	2.33
	20	6384	3543	0.56	2.12	6244	3465	0.56	2.22	6076	3372	0.56	2.38
	22	6804	2994	0.44	2.18	6664	2932	0.44	2.18	6496	2858	0.44	2.45
26	16	5544	4900	0.88	2.02	5376	4752	0.88	2.14	5208	4603	0.88	2.26
	18	5936	4515	0.76	2.06	5768	4387	0.76	2.17	5572	4238	0.76	2.33
	20	6384	4068	0.64	2.12	6244	3979	0.64	2.22	6076	3872	0.64	2.38
	22	6804	3538	0.52	2.18	6664	3465	0.52	2.18	6496	3378	0.52	2.45
28	16	5544	5356	0.97	2.02	5376	5194	0.97	2.14	5208	5032	0.97	2.26
	18	5936	5003	0.84	2.06	5768	4861	0.84	2.17	5572	4696	0.84	2.33
	20	6384	4593	0.72	2.12	6244	4492	0.72	2.22	6076	4371	0.72	2.38
	22	6804	4082	0.60	2.18	6664	3998	0.60	2.18	6496	3898	0.60	2.45
30	16	5544	5544	1.00	2.02	5376	5376	1.00	2.14	5208	5208	1.00	2.26
	18	5936	5491	0.93	2.06	5768	5335	0.93	2.17	5572	5154	0.93	2.33
	20	6384	5118	0.80	2.12	6244	5006	0.80	2.22	6076	4871	0.80	2.38
	22	6804	4627	0.68	2.18	6664	4531	0.68	2.18	6496	4417	0.68	2.45
32	16	5544	5544	1.00	2.02	5376	5376	1.00	2.14	5208	5208	1.00	2.26
	18	5936	5936	1.00	2.06	5768	5768	1.00	2.17	5572	5572	1.00	2.33
	20	6384	5643	0.88	2.12	6244	5519	0.88	2.22	6076	5370	0.88	2.38
	22	6804	5171	0.76	2.18	6664	5065	0.76	2.18	6496	4937	0.76	2.45
34	16	5544	5544	1.00	2.02	5376	5376	1.00	2.14	5208	5208	1.00	2.26
	18	5936	5936	1.00	2.06	5768	5768	1.00	2.17	5572	5572	1.00	2.33
	20	6384	6168	0.97	2.12	6244	6032	0.97	2.22	6076	5870	0.97	2.38
	22	6804	5715	0.84	2.18	6664	5598	0.84	2.18	6496	5457	0.84	2.45

Indoor Intake air D.B. (°C)	Indoor Intake air W.B. (°C)	Outdoor intake air D.B. (°C)											
		35				40				45			
		CA	SHC(W)	SHF	P.C.	CA	SHC(W)	SHF	P.C.	CA	SHC(W)	SHF	P.C.
20	16	4984	3176	0.64	2.43	4760	3033	0.64	2.60	4536	2890	0.64	2.82
	18	5376	2763	0.51	2.49	5208	2676	0.51	2.68	4872	2504	0.51	2.89
	20	5824	2275	0.39	2.55	5600	2187	0.39	2.73	5264	2056	0.39	2.94
22	16	4984	3586	0.72	2.43	4760	3425	0.72	2.60	4536	3263	0.72	2.82
	18	5376	3205	0.60	2.49	5208	3105	0.60	2.68	4872	2904	0.60	2.89
	20	5824	2753	0.47	2.55	5600	2648	0.47	2.73	5264	2489	0.47	2.94
24	16	4984	3995	0.80	2.43	4760	3816	0.80	2.60	4536	3636	0.80	2.82
	18	5376	3647	0.68	2.49	5208	3533	0.68	2.68	4872	3305	0.68	2.89
	20	5824	3232	0.56	2.55	5600	3108	0.56	2.73	5264	2922	0.56	2.94
	22	6272	2760	0.44	2.61	6048	2661	0.44	2.81	5712	2513	0.44	2.98
26	16	4984	4405	0.88	2.43	4760	4207	0.88	2.60	4536	4009	0.88	2.82
	18	5376	4089	0.76	2.49	5208	3961	0.76	2.68	4872	3705	0.76	2.89
	20	5824	3711	0.64	2.55	5600	3568	0.64	2.73	5264	3354	0.64	2.94
	22	6272	3261	0.52	2.61	6048	3145	0.52	2.81	5712	2970	0.52	2.98
28	16	4984	4815	0.97	2.43	4760	4599	0.97	2.60	4536	4382	0.97	2.82
	18	5376	4531	0.84	2.49	5208	4389	0.84	2.68	4872	4106	0.84	2.89
	20	5824	4190	0.72	2.55	5600	4029	0.72	2.73	5264	3787	0.72	2.94
	22	6272	3763	0.60	2.61	6048	3629	0.60	2.81	5712	3427	0.60	2.98
30	16	4984	4984	1.00	2.43	4760	4760	1.00	2.60	4536	4536	1.00	2.82
	18	5376	4973	0.93	2.49	5208	4817	0.93	2.68	4872	4507	0.93	2.89
	20	5824	4669	0.80	2.55	5600	4489	0.80	2.73	5264	4220	0.80	2.94
	22	6272	4265	0.68	2.61	6048	4113	0.68	2.81	5712	3884	0.68	2.98
32	16	4984	4984	1.00	2.43	4760	4760	1.00	2.60	4536	4536	1.00	2.82
	18	5376	5376	1.00	2.49	5208	5208	1.00	2.68	4872	4872	1.00	2.89
	20	5824	5148	0.88	2.55	5600	4950	0.88	2.73	5264	4653	0.88	2.94
	22	6272	4767	0.76	2.61	6048	4596	0.76	2.81	5712	4341	0.76	2.98
34	16	4984	4984	1.00	2.43	4760	4760	1.00	2.60	4536	4536	1.00	2.82
	18	5376	5376	1.00	2.49	5208	5208	1.00	2.68	4872	4872	1.00	2.89
	20	5824	5627	0.97	2.55	5600	5410	0.97	2.73	5264	5086	0.97	2.94
	22	6272	5268	0.84	2.61	6048	5080	0.84	2.81	5712	4798	0.84	2.98

Notes CA: Capacity (W) SHC: Sensible heat capacity (W)
P.C.: Power consumption (kW) SHF: Sensible heat factor

PEAD-RP2.5EA/PU(H)-P2.5VGAA(1).UK, PU(H)-P2.5YGAA(1).UK (230V)

Indoor Intake air D.B. (°C)	Indoor Intake air W.B. (°C)	Outdoor intake air D.B. (°C) 20				25				30			
		CA	SHC(W)	SHF	P.C.	CA	SHC(W)	SHF	P.C.	CA	SHC(W)	SHF	P.C.
20	16	6534	3995	0.61	2.12	6336	3874	0.61	2.24	6138	3753	0.61	2.37
	18	6996	3449	0.49	2.16	6798	3352	0.49	2.28	6567	3238	0.49	2.44
	20	7524	2819	0.37	2.22	7359	2758	0.37	2.33	7161	2683	0.37	2.49
22	16	6534	4510	0.69	2.12	6336	4374	0.69	2.24	6138	4237	0.69	2.37
	18	6996	4001	0.57	2.16	6798	3888	0.57	2.28	6567	3756	0.57	2.44
	20	7524	3413	0.45	2.22	7359	3338	0.45	2.33	7161	3248	0.45	2.49
24	16	6534	5026	0.77	2.12	6336	4873	0.77	2.24	6138	4721	0.77	2.37
	18	6996	4553	0.65	2.16	6798	4424	0.65	2.28	6567	4274	0.65	2.44
	20	7524	4007	0.53	2.22	7359	3919	0.53	2.33	7161	3813	0.53	2.49
	22	8019	3385	0.42	2.28	7854	3316	0.42	2.28	7656	3232	0.42	2.57
26	16	6534	5541	0.85	2.12	6336	5373	0.85	2.24	6138	5205	0.85	2.37
	18	6996	5105	0.73	2.16	6798	4961	0.73	2.28	6567	4792	0.73	2.44
	20	7524	4600	0.61	2.22	7359	4499	0.61	2.33	7161	4378	0.61	2.49
	22	8019	4001	0.50	2.28	7854	3918	0.50	2.28	7656	3820	0.50	2.57
28	16	6534	6057	0.93	2.12	6336	5873	0.93	2.24	6138	5690	0.93	2.37
	18	6996	5657	0.81	2.16	6798	5497	0.81	2.28	6567	5310	0.81	2.44
	20	7524	5194	0.69	2.22	7359	5080	0.69	2.33	7161	4943	0.69	2.49
	22	8019	4616	0.58	2.28	7854	4521	0.58	2.28	7656	4407	0.58	2.57
30	16	6534	6443	0.99	2.12	6336	6248	0.99	2.24	6138	6053	0.99	2.37
	18	6996	6209	0.89	2.16	6798	6033	0.89	2.28	6567	5828	0.89	2.44
	20	7524	5787	0.77	2.22	7359	5660	0.77	2.33	7161	5508	0.77	2.49
	22	8019	5232	0.65	2.28	7854	5124	0.65	2.28	7656	4995	0.65	2.57
32	16	6534	6534	1.00	2.12	6336	6336	1.00	2.24	6138	6138	1.00	2.37
	18	6996	6761	0.97	2.16	6798	6570	0.97	2.28	6567	6346	0.97	2.44
	20	7524	6381	0.85	2.22	7359	6241	0.85	2.33	7161	6073	0.85	2.49
	22	8019	5847	0.73	2.28	7854	5727	0.73	2.28	7656	5583	0.73	2.57
34	16	6534	6534	1.00	2.12	6336	6336	1.00	2.24	6138	6138	1.00	2.37
	18	6996	6996	1.00	2.16	6798	6798	1.00	2.28	6567	6567	1.00	2.44
	20	7524	6974	0.93	2.22	7359	6821	0.93	2.33	7161	6638	0.93	2.49
	22	8019	6463	0.81	2.28	7854	6330	0.81	2.28	7656	6170	0.81	2.57

Indoor Intake air D.B. (°C)	Indoor Intake air W.B. (°C)	Outdoor intake air D.B. (°C) 35				40				45			
		CA	SHC(W)	SHF	P.C.	CA	SHC(W)	SHF	P.C.	CA	SHC(W)	SHF	P.C.
20	16	5874	3591	0.61	2.54	5610	3430	0.61	2.73	5346	3268	0.61	2.95
	18	6336	3124	0.49	2.61	6138	3026	0.49	2.81	5742	2831	0.49	3.02
	20	6864	2572	0.37	2.67	6600	2473	0.37	2.86	6204	2325	0.37	3.08
22	16	5874	4055	0.69	2.54	5610	3872	0.69	2.73	5346	3690	0.69	2.95
	18	6336	3624	0.57	2.61	6138	3511	0.57	2.81	5742	3284	0.57	3.02
	20	6864	3114	0.45	2.67	6600	2994	0.45	2.86	6204	2814	0.45	3.08
24	16	5874	4518	0.77	2.54	5610	4315	0.77	2.73	5346	4112	0.77	2.95
	18	6336	4124	0.65	2.61	6138	3995	0.65	2.81	5742	3737	0.65	3.02
	20	6864	3655	0.53	2.67	6600	3515	0.53	2.86	6204	3304	0.53	3.08
	22	7392	3121	0.42	2.73	7128	3009	0.42	2.94	6732	2842	0.42	3.13
26	16	5874	4981	0.85	2.54	5610	4758	0.85	2.73	5346	4534	0.85	2.95
	18	6336	4624	0.73	2.61	6138	4479	0.73	2.81	5742	4190	0.73	3.02
	20	6864	4197	0.61	2.67	6600	4035	0.61	2.86	6204	3793	0.61	3.08
	22	7392	3688	0.50	2.73	7128	3556	0.50	2.94	6732	3359	0.50	3.13
28	16	5874	5445	0.93	2.54	5610	5200	0.93	2.73	5346	4955	0.93	2.95
	18	6336	5123	0.81	2.61	6138	4963	0.81	2.81	5742	4643	0.81	3.02
	20	6864	4738	0.69	2.67	6600	4556	0.69	2.86	6204	4282	0.69	3.08
	22	7392	4255	0.58	2.73	7128	4103	0.58	2.94	6732	3875	0.58	3.13
30	16	5874	5792	0.99	2.54	5610	5532	0.99	2.73	5346	5272	0.99	2.95
	18	6336	5623	0.89	2.61	6138	5447	0.89	2.81	5742	5096	0.89	3.02
	20	6864	5280	0.77	2.67	6600	5076	0.77	2.86	6204	4772	0.77	3.08
	22	7392	4823	0.65	2.73	7128	4650	0.65	2.94	6732	4392	0.65	3.13
32	16	5874	5874	1.00	2.54	5610	5610	1.00	2.73	5346	5346	1.00	2.95
	18	6336	6123	0.97	2.61	6138	5932	0.97	2.81	5742	5549	0.97	3.02
	20	6864	5821	0.85	2.67	6600	5597	0.85	2.86	6204	5261	0.85	3.08
	22	7392	5390	0.73	2.73	7128	5198	0.73	2.94	6732	4909	0.73	3.13
34	16	5874	5874	1.00	2.54	5610	5610	1.00	2.73	5346	5346	1.00	2.95
	18	6336	6336	1.00	2.61	6138	6138	1.00	2.81	5742	5742	1.00	3.02
	20	6864	6363	0.93	2.67	6600	6118	0.93	2.86	6204	5751	0.93	3.08
	22	7392	5958	0.81	2.73	7128	5745	0.81	2.94	6732	5426	0.81	3.13

Notes CA: Capacity (W) SHC: Sensible heat capacity (W)
P.C.: Power consumption (kW) SHF: Sensible heat factor

PEAD-RP3EA1/PU(H)-P3VGAA(1).UK, PU(H)-P3YGAA(1).UK (230V)

Indoor Intake air D.B. (°C)	Indoor Intake air W.B. (°C)	Outdoor intake air D.B. (°C) 20				25				30			
		CA	SHC(W)	SHF	P.C.	CA	SHC(W)	SHF	P.C.	CA	SHC(W)	SHF	P.C.
20	16	7524	5054	0.67	2.68	7296	4900	0.67	2.83	7068	4747	0.67	2.99
	18	8056	4364	0.54	2.73	7828	4240	0.54	2.88	7562	4096	0.54	3.08
	20	8664	3567	0.41	2.81	8474	3488	0.41	2.95	8246	3395	0.41	3.15
22	16	7524	5706	0.76	2.68	7296	5533	0.76	2.83	7068	5360	0.76	2.99
	18	8056	5062	0.63	2.73	7828	4919	0.63	2.88	7562	4751	0.63	3.08
	20	8664	4317	0.50	2.81	8474	4223	0.50	2.95	8246	4109	0.50	3.15
24	16	7524	6358	0.84	2.68	7296	6165	0.84	2.83	7068	5972	0.84	2.99
	18	8056	5760	0.71	2.73	7828	5597	0.71	2.88	7562	5407	0.71	3.08
	20	8664	5068	0.59	2.81	8474	4957	0.59	2.95	8246	4824	0.59	3.15
	22	9234	4283	0.46	2.88	9044	4194	0.46	2.88	8816	4089	0.46	3.25
26	16	7524	7010	0.93	2.68	7296	6797	0.93	2.83	7068	6585	0.93	2.99
	18	8056	6458	0.80	2.73	7828	6275	0.80	2.88	7562	6062	0.80	3.08
	20	8664	5819	0.67	2.81	8474	5692	0.67	2.95	8246	5539	0.67	3.15
	22	9234	5061	0.55	2.88	9044	4957	0.55	2.88	8816	4832	0.55	3.25
28	16	7524	7524	1.00	2.68	7296	7296	1.00	2.83	7068	7068	1.00	2.99
	18	8056	7156	0.89	2.73	7828	6954	0.89	2.88	7562	6718	0.89	3.08
	20	8664	6570	0.76	2.81	8474	6426	0.76	2.95	8246	6253	0.76	3.15
	22	9234	5840	0.63	2.88	9044	5720	0.63	2.88	8816	5575	0.63	3.25
30	16	7524	7524	1.00	2.68	7296	7296	1.00	2.83	7068	7068	1.00	2.99
	18	8056	7855	0.98	2.73	7828	7632	0.98	2.88	7562	7373	0.98	3.08
	20	8664	7321	0.84	2.81	8474	7161	0.84	2.95	8246	6968	0.84	3.15
	22	9234	6618	0.72	2.88	9044	6482	0.72	2.88	8816	6319	0.72	3.25
32	16	7524	7524	1.00	2.68	7296	7296	1.00	2.83	7068	7068	1.00	2.99
	18	8056	8056	1.00	2.73	7828	7828	1.00	2.88	7562	7562	1.00	3.08
	20	8664	8072	0.93	2.81	8474	7895	0.93	2.95	8246	7682	0.93	3.15
	22	9234	7397	0.80	2.88	9044	7245	0.80	2.88	8816	7062	0.80	3.25
34	16	7524	7524	1.00	2.68	7296	7296	1.00	2.83	7068	7068	1.00	2.99
	18	8056	8056	1.00	2.73	7828	7828	1.00	2.88	7562	7562	1.00	3.08
	20	8664	8664	1.00	2.81	8474	8474	1.00	2.95	8246	8246	1.00	3.15
	22	9234	8176	0.89	2.88	9044	8008	0.89	2.88	8816	7806	0.89	3.25

Indoor Intake air D.B. (°C)	Indoor Intake air W.B. (°C)	Outdoor intake air D.B. (°C) 35				40				45			
		CA	SHC(W)	SHF	P.C.	CA	SHC(W)	SHF	P.C.	CA	SHC(W)	SHF	P.C.
20	16	6764	4543	0.67	3.22	6460	4339	0.67	3.45	6156	4135	0.67	3.74
	18	7296	3952	0.54	3.30	7068	3828	0.54	3.55	6612	3581	0.54	3.82
	20	7904	3254	0.41	3.38	7600	3129	0.41	3.62	7144	2941	0.41	3.89
22	16	6764	5129	0.76	3.22	6460	4899	0.76	3.45	6156	4668	0.76	3.74
	18	7296	4584	0.63	3.30	7068	4441	0.63	3.55	6612	4155	0.63	3.82
	20	7904	3939	0.50	3.38	7600	3787	0.50	3.62	7144	3560	0.50	3.89
24	16	6764	5716	0.84	3.22	6460	5459	0.84	3.45	6156	5202	0.84	3.74
	18	7296	5217	0.71	3.30	7068	5054	0.71	3.55	6612	4728	0.71	3.82
	20	7904	4624	0.59	3.38	7600	4446	0.59	3.62	7144	4179	0.59	3.89
	22	8512	3948	0.46	3.45	8208	3807	0.46	3.72	7752	3595	0.46	3.95
26	16	6764	6302	0.93	3.22	6460	6019	0.93	3.45	6156	5735	0.93	3.74
	18	7296	5849	0.80	3.30	7068	5666	0.80	3.55	6612	5301	0.80	3.82
	20	7904	5309	0.67	3.38	7600	5105	0.67	3.62	7144	4798	0.67	3.89
	22	8512	4665	0.55	3.45	8208	4499	0.55	3.72	7752	4249	0.55	3.95
28	16	6764	6764	1.00	3.22	6460	6460	1.00	3.45	6156	6156	1.00	3.74
	18	7296	6481	0.89	3.30	7068	6279	0.89	3.55	6612	5874	0.89	3.82
	20	7904	5994	0.76	3.38	7600	5763	0.76	3.62	7144	5418	0.76	3.89
	22	8512	5383	0.63	3.45	8208	5191	0.63	3.72	7752	4903	0.63	3.95
30	16	6764	6764	1.00	3.22	6460	6460	1.00	3.45	6156	6156	1.00	3.74
	18	7296	7114	0.98	3.30	7068	6891	0.98	3.55	6612	6447	0.98	3.82
	20	7904	6679	0.84	3.38	7600	6422	0.84	3.62	7144	6037	0.84	3.89
	22	8512	6101	0.72	3.45	8208	5883	0.72	3.72	7752	5556	0.72	3.95
32	16	6764	6764	1.00	3.22	6460	6460	1.00	3.45	6156	6156	1.00	3.74
	18	7296	7296	1.00	3.30	7068	7068	1.00	3.55	6612	6612	1.00	3.82
	20	7904	7364	0.93	3.38	7600	7081	0.93	3.62	7144	6656	0.93	3.89
	22	8512	6819	0.80	3.45	8208	6575	0.80	3.72	7752	6210	0.80	3.95
34	16	6764	6764	1.00	3.22	6460	6460	1.00	3.45	6156	6156	1.00	3.74
	18	7296	7296	1.00	3.30	7068	7068	1.00	3.55	6612	6612	1.00	3.82
	20	7904	7904	1.00	3.38	7600	7600	1.00	3.62	7144	7144	1.00	3.89
	22	8512	7537	0.89	3.45	8208	7267	0.89	3.72	7752	6864	0.89	3.95

Notes CA: Capacity (W) SHC: Sensible heat capacity (W)
P.C.: Power consumption (kW) SHF: Sensible heat factor

PEAD-RP4EA1/PU(H)-P4VGAA(1).UK, PU(H)-P4YGAA(1).UK (230V)

Indoor Intake air D.B. (°C)	Indoor Intake air W.B. (°C)	Outdoor intake air D.B. (°C)											
		20				25				30			
		CA	SHC(W)	SHF	P.C.	CA	SHC(W)	SHF	P.C.	CA	SHC(W)	SHF	P.C.
20	16	9504	6138	0.65	3.06	9216	5952	0.65	3.24	8928	5766	0.65	3.42
	18	10176	5300	0.52	3.13	9888	5150	0.52	3.29	9552	4975	0.52	3.52
	20	10944	4332	0.40	3.21	10704	4237	0.40	3.37	10416	4123	0.40	3.60
22	16	9504	6930	0.73	3.06	9216	6720	0.73	3.24	8928	6510	0.73	3.42
	18	10176	6148	0.60	3.13	9888	5974	0.60	3.29	9552	5771	0.60	3.52
	20	10944	5244	0.48	3.21	10704	5129	0.48	3.37	10416	4991	0.48	3.60
24	16	9504	7722	0.81	3.06	9216	7488	0.81	3.24	8928	7254	0.81	3.42
	18	10176	6996	0.69	3.13	9888	6798	0.69	3.29	9552	6567	0.69	3.52
	20	10944	6156	0.56	3.21	10704	6021	0.56	3.37	10416	5859	0.56	3.60
	22	11664	5202	0.45	3.30	11424	5095	0.45	3.30	11136	4966	0.45	3.71
26	16	9504	8514	0.90	3.06	9216	8256	0.90	3.24	8928	7998	0.90	3.42
	18	10176	7844	0.77	3.13	9888	7622	0.77	3.29	9552	7363	0.77	3.52
	20	10944	7068	0.65	3.21	10704	6913	0.65	3.37	10416	6727	0.65	3.60
	22	11664	6147	0.53	3.30	11424	6021	0.53	3.30	11136	5869	0.53	3.71
28	16	9504	9306	0.98	3.06	9216	9024	0.98	3.24	8928	8742	0.98	3.42
	18	10176	8692	0.85	3.13	9888	8446	0.85	3.29	9552	8159	0.85	3.52
	20	10944	7980	0.73	3.21	10704	7805	0.73	3.37	10416	7595	0.73	3.60
	22	11664	7093	0.61	3.30	11424	6947	0.61	3.30	11136	6772	0.61	3.71
30	16	9504	9504	1.00	3.06	9216	9216	1.00	3.24	8928	8928	1.00	3.42
	18	10176	9540	0.94	3.13	9888	9270	0.94	3.29	9552	8955	0.94	3.52
	20	10944	8892	0.81	3.21	10704	8697	0.81	3.37	10416	8463	0.81	3.60
	22	11664	8039	0.69	3.30	11424	7873	0.69	3.30	11136	7675	0.69	3.71
32	16	9504	9504	1.00	3.06	9216	9216	1.00	3.24	8928	8928	1.00	3.42
	18	10176	10176	1.00	3.13	9888	9888	1.00	3.29	9552	9552	1.00	3.52
	20	10944	9804	0.90	3.21	10704	9589	0.90	3.37	10416	9331	0.90	3.60
	22	11664	8984	0.77	3.30	11424	8799	0.77	3.30	11136	8578	0.77	3.71
34	16	9504	9504	1.00	3.06	9216	9216	1.00	3.24	8928	8928	1.00	3.42
	18	10176	10176	1.00	3.13	9888	9888	1.00	3.29	9552	9552	1.00	3.52
	20	10944	10716	0.98	3.21	10704	10481	0.98	3.37	10416	10199	0.98	3.60
	22	11664	9930	0.85	3.30	11424	9726	0.85	3.30	11136	9481	0.85	3.71

Indoor Intake air D.B. (°C)	Indoor Intake air W.B. (°C)	Outdoor intake air D.B. (°C)											
		35				40				45			
		CA	SHC(W)	SHF	P.C.	CA	SHC(W)	SHF	P.C.	CA	SHC(W)	SHF	P.C.
20	16	8544	5518	0.65	3.68	8160	5270	0.65	3.94	7776	5022	0.65	4.27
	18	9216	4800	0.52	3.77	8928	4650	0.52	4.06	8352	4350	0.52	4.37
	20	9984	3952	0.40	3.86	9600	3800	0.40	4.14	9024	3572	0.40	4.45
22	16	8544	6230	0.73	3.68	8160	5950	0.73	3.94	7776	5670	0.73	4.27
	18	9216	5568	0.60	3.77	8928	5394	0.60	4.06	8352	5046	0.60	4.37
	20	9984	4784	0.48	3.86	9600	4600	0.48	4.14	9024	4324	0.48	4.45
24	16	8544	6942	0.81	3.68	8160	6630	0.81	3.94	7776	6318	0.81	4.27
	18	9216	6336	0.69	3.77	8928	6138	0.69	4.06	8352	5742	0.69	4.37
	20	9984	5616	0.56	3.86	9600	5400	0.56	4.14	9024	5076	0.56	4.45
	22	10752	4795	0.45	3.95	10368	4624	0.45	4.26	9792	4367	0.45	4.52
26	16	8544	7654	0.90	3.68	8160	7310	0.90	3.94	7776	6966	0.90	4.27
	18	9216	7104	0.77	3.77	8928	6882	0.77	4.06	8352	6438	0.77	4.37
	20	9984	6448	0.65	3.86	9600	6200	0.65	4.14	9024	5828	0.65	4.45
	22	10752	5667	0.53	3.95	10368	5464	0.53	4.26	9792	5161	0.53	4.52
28	16	8544	8366	0.98	3.68	8160	7990	0.98	3.94	7776	7614	0.98	4.27
	18	9216	7872	0.85	3.77	8928	7626	0.85	4.06	8352	7134	0.85	4.37
	20	9984	7280	0.73	3.86	9600	7000	0.73	4.14	9024	6580	0.73	4.45
	22	10752	6538	0.61	3.95	10368	6305	0.61	4.26	9792	5955	0.61	4.52
30	16	8544	8544	1.00	3.68	8160	8160	1.00	3.94	7776	7776	1.00	4.27
	18	9216	8640	0.94	3.77	8928	8370	0.94	4.06	8352	7830	0.94	4.37
	20	9984	8112	0.81	3.86	9600	7800	0.81	4.14	9024	7332	0.81	4.45
	22	10752	7410	0.69	3.95	10368	7145	0.69	4.26	9792	6748	0.69	4.52
32	16	8544	8544	1.00	3.68	8160	8160	1.00	3.94	7776	7776	1.00	4.27
	18	9216	9216	1.00	3.77	8928	8928	1.00	4.06	8352	8352	1.00	4.37
	20	9984	8944	0.90	3.86	9600	8600	0.90	4.14	9024	8084	0.90	4.45
	22	10752	8282	0.77	3.95	10368	7986	0.77	4.26	9792	7542	0.77	4.52
34	16	8544	8544	1.00	3.68	8160	8160	1.00	3.94	7776	7776	1.00	4.27
	18	9216	9216	1.00	3.77	8928	8928	1.00	4.06	8352	8352	1.00	4.37
	20	9984	9776	0.98	3.86	9600	9400	0.98	4.14	9024	8836	0.98	4.45
	22	10752	9154	0.85	3.95	10368	8827	0.85	4.26	9792	8336	0.85	4.52

Notes CA: Capacity (W) SHC: Sensible heat capacity (W)
P.C.: Power consumption (kW) SHF: Sensible heat factor

PEAD-RP5EA1/PU(H)-P5VGAA(1).UK, PU(H)-P5YGAA(1).UK (230V)

Indoor Intake air D.B. (°C)	Indoor Intake air W.B. (°C)	Outdoor intake air D.B. (°C)											
		20				25				30			
		CA	SHC(W)	SHF	P.C.	CA	SHC(W)	SHF	P.C.	CA	SHC(W)	SHF	P.C.
20	16	12078	7696	0.64	3.89	11712	7463	0.64	4.11	11346	7230	0.64	4.35
	18	12932	6646	0.51	3.97	12566	6457	0.51	4.18	12139	6238	0.51	4.48
	20	13908	5432	0.39	4.09	13603	5313	0.39	4.28	13237	5170	0.39	4.58
22	16	12078	8689	0.72	3.89	11712	8426	0.72	4.11	11346	8163	0.72	4.35
	18	12932	7709	0.60	3.97	12566	7491	0.60	4.18	12139	7236	0.60	4.48
	20	13908	6575	0.47	4.09	13603	6431	0.47	4.28	13237	6258	0.47	4.58
24	16	12078	9683	0.80	3.89	11712	9389	0.80	4.11	11346	9096	0.80	4.35
	18	12932	8772	0.68	3.97	12566	8524	0.68	4.18	12139	8234	0.68	4.48
	20	13908	7719	0.56	4.09	13603	7550	0.56	4.28	13237	7347	0.56	4.58
	22	14823	6522	0.44	4.19	14518	6388	0.44	4.19	14152	6227	0.44	4.72
26	16	12078	10676	0.88	3.89	11712	10352	0.88	4.11	11346	10029	0.88	4.35
	18	12932	9836	0.76	3.97	12566	9557	0.76	4.18	12139	9232	0.76	4.48
	20	13908	8862	0.64	4.09	13603	8668	0.64	4.28	13237	8435	0.64	4.58
	22	14823	7708	0.52	4.19	14518	7549	0.52	4.19	14152	7359	0.52	4.72
28	16	12078	11669	0.97	3.89	11712	11315	0.97	4.11	11346	10961	0.97	4.35
	18	12932	10899	0.84	3.97	12566	10590	0.84	4.18	12139	10230	0.84	4.48
	20	13908	10006	0.72	4.09	13603	9787	0.72	4.28	13237	9523	0.72	4.58
	22	14823	8894	0.60	4.19	14518	8711	0.60	4.19	14152	8491	0.60	4.72
30	16	12078	12078	1.00	3.89	11712	11712	1.00	4.11	11346	11346	1.00	4.35
	18	12932	11962	0.93	3.97	12566	11624	0.93	4.18	12139	11229	0.93	4.48
	20	13908	11150	0.80	4.09	13603	10905	0.80	4.28	13237	10612	0.80	4.58
	22	14823	10079	0.68	4.19	14518	9872	0.68	4.19	14152	9623	0.68	4.72
32	16	12078	12078	1.00	3.89	11712	11712	1.00	4.11	11346	11346	1.00	4.35
	18	12932	12932	1.00	3.97	12566	12566	1.00	4.18	12139	12139	1.00	4.48
	20	13908	12293	0.88	4.09	13603	12023	0.88	4.28	13237	11700	0.88	4.58
	22	14823	11265	0.76	4.19	14518	11033	0.76	4.19	14152	10755	0.76	4.72
34	16	12078	12078	1.00	3.89	11712	11712	1.00	4.11	11346	11346	1.00	4.35
	18	12932	12932	1.00	3.97	12566	12566	1.00	4.18	12139	12139	1.00	4.48
	20	13908	13437	0.97	4.09	13603	13142	0.97	4.28	13237	12788	0.97	4.58
	22	14823	12451	0.84	4.19	14518	12195	0.84	4.19	14152	11888	0.84	4.72

Indoor Intake air D.B. (°C)	Indoor Intake air W.B. (°C)	Outdoor intake air D.B. (°C)											
		35				40				45			
		CA	SHC(W)	SHF	P.C.	CA	SHC(W)	SHF	P.C.	CA	SHC(W)	SHF	P.C.
20	16	10858	6919	0.64	4.67	10370	6608	0.64	5.01	9882	6297	0.64	5.43
	18	11712	6019	0.51	4.80	11346	5831	0.51	5.16	10614	5454	0.51	5.56
	20	12688	4955	0.39	4.91	12200	4765	0.39	5.26	11468	4479	0.39	5.65
22	16	10858	7812	0.72	4.67	10370	7461	0.72	5.01	9882	7110	0.72	5.43
	18	11712	6982	0.60	4.80	11346	6763	0.60	5.16	10614	6327	0.60	5.56
	20	12688	5999	0.47	4.91	12200	5768	0.47	5.26	11468	5422	0.47	5.65
24	16	10858	8704	0.80	4.67	10370	8313	0.80	5.01	9882	7922	0.80	5.43
	18	11712	7945	0.68	4.80	11346	7696	0.68	5.16	10614	7200	0.68	5.56
	20	12688	7042	0.56	4.91	12200	6771	0.56	5.26	11468	6365	0.56	5.65
	22	13664	6012	0.44	5.02	13176	5797	0.44	5.41	12444	5475	0.44	5.74
26	16	10858	9597	0.88	4.67	10370	9166	0.88	5.01	9882	8735	0.88	5.43
	18	11712	8908	0.76	4.80	11346	8629	0.76	5.16	10614	8073	0.76	5.56
	20	12688	8085	0.64	4.91	12200	7774	0.64	5.26	11468	7308	0.64	5.65
	22	13664	7105	0.52	5.02	13176	6851	0.52	5.41	12444	6471	0.52	5.74
28	16	10858	10490	0.97	4.67	10370	10019	0.97	5.01	9882	9547	0.97	5.43
	18	11712	9871	0.84	4.80	11346	9562	0.84	5.16	10614	8945	0.84	5.56
	20	12688	9128	0.72	4.91	12200	8777	0.72	5.26	11468	8251	0.72	5.65
	22	13664	8198	0.60	5.02	13176	7905	0.60	5.41	12444	7466	0.60	5.74
30	16	10858	10858	1.00	4.67	10370	10370	1.00	5.01	9882	9882	1.00	5.43
	18	11712	10834	0.93	4.80	11346	10495	0.93	5.16	10614	9818	0.93	5.56
	20	12688	10172	0.80	4.91	12200	9780	0.80	5.26	11468	9193	0.80	5.65
	22	13664	9291	0.68	5.02	13176	8959	0.68	5.41	12444	8462	0.68	5.74
32	16	10858	10858	1.00	4.67	10370	10370	1.00	5.01	9882	9882	1.00	5.43
	18	11712	11712	1.00	4.80	11346	11346	1.00	5.16	10614	10614	1.00	5.56
	20	12688	11215	0.88	4.91	12200	10783	0.88	5.26	11468	10136	0.88	5.65
	22	13664	10384	0.76	5.02	13176	10013	0.76	5.41	12444	9457	0.76	5.74
34	16	10858	10858	1.00	4.67	10370	10370	1.00	5.01	9882	9882	1.00	5.43
	18	11712	11712	1.00	4.80	11346	11346	1.00	5.16	10614	10614	1.00	5.56
	20	12688	12258	0.97	4.91	12200	11787	0.97	5.26	11468	11079	0.97	5.65
	22	13664	11478	0.84	5.02	13176	11068	0.84	5.41	12444	10453	0.84	5.74

Notes CA: Capacity (W) SHC: Sensible heat capacity (W)
P.C.: Power consumption (kW) SHF: Sensible heat factor

PEAD-RP6EA1/PU(H)-P6VGAA(1).UK, PU(H)-P6YGAA(1).UK (230V)

Indoor Intake air D.B. (°C)	Indoor Intake air W.B. (°C)	Outdoor intake air D.B. (°C) 20 CA	20 SHC(W)	20 SHF	20 P.C.	25 CA	25 SHC(W)	25 SHF	25 P.C.	30 CA	30 SHC(W)	30 SHF	30 P.C.
20	16	13860	8832	0.64	4.64	13440	8564	0.64	4.91	13020	8297	0.64	5.19
	18	14840	7626	0.51	4.74	14420	7410	0.51	4.99	13930	7158	0.51	5.34
	20	15960	6233	0.39	4.88	15610	6097	0.39	5.11	15190	5933	0.39	5.46
22	16	13860	9971	0.72	4.64	13440	9669	0.72	4.91	13020	9367	0.72	5.19
	18	14840	8846	0.60	4.74	14420	8596	0.60	4.99	13930	8304	0.60	5.34
	20	15960	7545	0.47	4.88	15610	7380	0.47	5.11	15190	7181	0.47	5.46
24	16	13860	11111	0.80	4.64	13440	10774	0.80	4.91	13020	10438	0.80	5.19
	18	14840	10066	0.68	4.74	14420	9782	0.68	4.99	13930	9449	0.68	5.34
	20	15960	8858	0.56	4.88	15610	8664	0.56	5.11	15190	8430	0.56	5.46
	22	17010	7484	0.44	5.00	16660	7330	0.44	5.00	16240	7146	0.44	5.63
26	16	13860	12251	0.88	4.64	13440	11879	0.88	4.91	13020	11508	0.88	5.19
	18	14840	11287	0.76	4.74	14420	10967	0.76	4.99	13930	10595	0.76	5.34
	20	15960	10170	0.64	4.88	15610	9947	0.64	5.11	15190	9679	0.64	5.46
	22	17010	8845	0.52	5.00	16660	8663	0.52	5.00	16240	8445	0.52	5.63
28	16	13860	13390	0.97	4.64	13440	12985	0.97	4.91	13020	12579	0.97	5.19
	18	14840	12507	0.84	4.74	14420	12153	0.84	4.99	13930	11740	0.84	5.34
	20	15960	11482	0.72	4.88	15610	11231	0.72	5.11	15190	10928	0.72	5.46
	22	17010	10206	0.60	5.00	16660	9996	0.60	5.00	16240	9744	0.60	5.63
30	16	13860	13860	1.00	4.64	13440	13440	1.00	4.91	13020	13020	1.00	5.19
	18	14840	13727	0.93	4.74	14420	13339	0.93	4.99	13930	12885	0.93	5.34
	20	15960	12795	0.80	4.88	15610	12514	0.80	5.11	15190	12177	0.80	5.46
	22	17010	11567	0.68	5.00	16660	11329	0.68	5.00	16240	11043	0.68	5.63
32	16	13860	13860	1.00	4.64	13440	13440	1.00	4.91	13020	13020	1.00	5.19
	18	14840	14840	1.00	4.74	14420	14420	1.00	4.99	13930	13930	1.00	5.34
	20	15960	14107	0.88	4.88	15610	13797	0.88	5.11	15190	13426	0.88	5.46
	22	17010	12927	0.76	5.00	16660	12661	0.76	5.00	16240	12342	0.76	5.63
34	16	13860	13860	1.00	4.64	13440	13440	1.00	4.91	13020	13020	1.00	5.19
	18	14840	14840	1.00	4.74	14420	14420	1.00	4.99	13930	13930	1.00	5.34
	20	15960	15419	0.97	4.88	15610	15081	0.97	5.11	15190	14675	0.97	5.46
	22	17010	14288	0.84	5.00	16660	13994	0.84	5.00	16240	13642	0.84	5.63

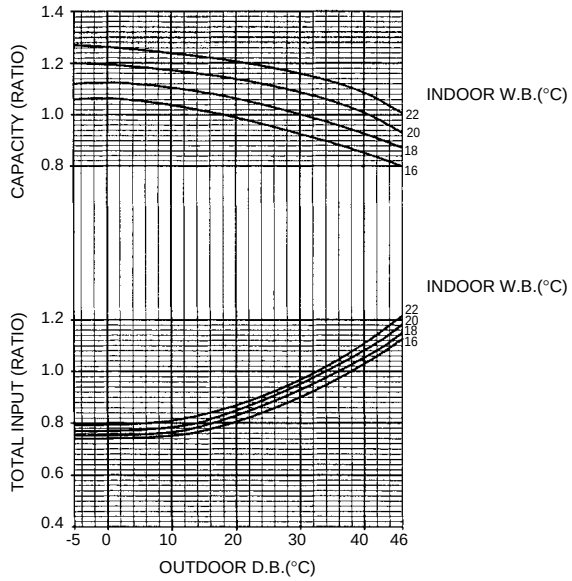
Indoor Intake air D.B. (°C)	Indoor Intake air W.B. (°C)	Outdoor intake air D.B. (°C) 35 CA	35 SHC(W)	35 SHF	35 P.C.	40 CA	40 SHC(W)	40 SHF	40 P.C.	45 CA	45 SHC(W)	45 SHF	45 P.C.
20	16	12460	7940	0.64	5.58	11900	7583	0.64	5.98	11340	7226	0.64	6.48
	18	13440	6907	0.51	5.73	13020	6691	0.51	6.16	12180	6259	0.51	6.63
	20	14560	5686	0.39	5.86	14000	5468	0.39	6.28	13160	5140	0.39	6.74
22	16	12460	8964	0.72	5.58	11900	8561	0.72	5.98	11340	8158	0.72	6.48
	18	13440	8012	0.60	5.73	13020	7761	0.60	6.16	12180	7261	0.60	6.63
	20	14560	6884	0.47	5.86	14000	6619	0.47	6.28	13160	6222	0.47	6.74
24	16	12460	9989	0.80	5.58	11900	9540	0.80	5.98	11340	9091	0.80	6.48
	18	13440	9117	0.68	5.73	13020	8832	0.68	6.16	12180	8262	0.68	6.63
	20	14560	8081	0.56	5.86	14000	7770	0.56	6.28	13160	7304	0.56	6.74
	22	15680	6899	0.44	5.99	15120	6653	0.44	6.46	14280	6283	0.44	6.85
26	16	12460	11013	0.88	5.58	11900	10518	0.88	5.98	11340	10023	0.88	6.48
	18	13440	10222	0.76	5.73	13020	9902	0.76	6.16	12180	9264	0.76	6.63
	20	14560	9278	0.64	5.86	14000	8921	0.64	6.28	13160	8386	0.64	6.74
	22	15680	8154	0.52	5.99	15120	7862	0.52	6.46	14280	7426	0.52	6.85
28	16	12460	12038	0.97	5.58	11900	11497	0.97	5.98	11340	10956	0.97	6.48
	18	13440	11327	0.84	5.73	13020	10973	0.84	6.16	12180	10265	0.84	6.63
	20	14560	10475	0.72	5.86	14000	10072	0.72	6.28	13160	9468	0.72	6.74
	22	15680	9408	0.60	5.99	15120	9072	0.60	6.46	14280	8568	0.60	6.85
30	16	12460	12460	1.00	5.58	11900	11900	1.00	5.98	11340	11340	1.00	6.48
	18	13440	12432	0.93	5.73	13020	12044	0.93	6.16	12180	11267	0.93	6.63
	20	14560	11672	0.80	5.86	14000	11223	0.80	6.28	13160	10550	0.80	6.74
	22	15680	10662	0.68	5.99	15120	10281	0.68	6.46	14280	9710	0.68	6.85
32	16	12460	12460	1.00	5.58	11900	11900	1.00	5.98	11340	11340	1.00	6.48
	18	13440	13440	1.00	5.73	13020	13020	1.00	6.16	12180	12180	1.00	6.63
	20	14560	12869	0.88	5.86	14000	12374	0.88	6.28	13160	11632	0.88	6.74
	22	15680	11916	0.76	5.99	15120	11491	0.76	6.46	14280	10853	0.76	6.85
34	16	12460	12460	1.00	5.58	11900	11900	1.00	5.98	11340	11340	1.00	6.48
	18	13440	13440	1.00	5.73	13020	13020	1.00	6.16	12180	12180	1.00	6.63
	20	14560	14067	0.97	5.86	14000	13526	0.97	6.28	13160	12714	0.97	6.74
	22	15680	13171	0.84	5.99	15120	12701	0.84	6.46	14280	11995	0.84	6.85

Notes CA: Capacity (W) SHC: Sensible heat capacity (W)
P.C.: Power consumption (kW) SHF: Sensible heat factor

Cooling capacity correction factors

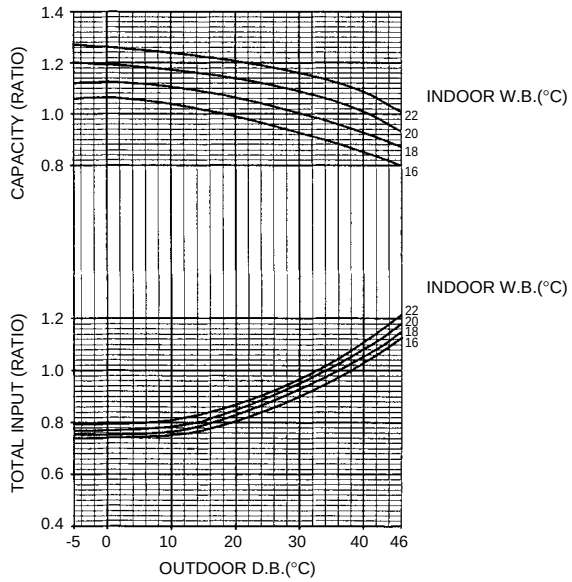
PEAD-RP･EA/PUHZ-RP･VHA

Service Ref.	Refrigerant piping length (one way)															
	5m	10m	15m	20m	25m	30m	35m	40m	45m	50m	55m	60m	65m	70m	75m	80m
PEAD-RP1.6EA	1.00	0.992	0.984	0.977	0.969	0.962	0.956	0.949	0.942	0.937	—	—	—	—	—	—
PEAD-RP2EA	1.00	0.985	0.971	0.958	0.943	0.931	0.919	0.908	0.898	0.887	—	—	—	—	—	—
PEAD-RP2.5EA	1.00	0.992	0.984	0.977	0.969	0.962	0.956	0.949	0.942	0.937	—	—	—	—	—	—
PEAD-RP3EA1	1.00	0.989	0.978	0.967	0.956	0.947	0.938	0.930	0.913	0.905	—	—	—	—	—	—
PEAD-RP4EA1	1.00	0.985	0.971	0.958	0.943	0.931	0.919	0.908	0.898	0.887	0.876	0.865	0.855	0.847	0.838	—
PEAD-RP5EA1	1.00	0.982	0.963	0.947	0.930	0.914	0.900	0.885	0.871	0.858	0.845	0.834	0.823	0.812	0.802	—
PEAD-RP6EA1	1.00	0.976	0.953	0.932	0.912	0.893	0.876	0.858	0.842	0.828	0.813	0.800	0.788	0.776	0.764	—



PEAD-RP･EA /PUH-P･VGAA.UK PUH-P･YGAA.UK
PU-P･VGAA.UK PU-P･YGAA.UK
PUH-P･VGAA1.UK PUH-P･YGAA1.UK
PU-P･VGAA1.UK PU-P･YGAA1.UK

Service Ref.	Refrigerant piping length (one way)									
	5m	10m	15m	20m	25m	30m	35m	40m	45m	50m
PEAD-RP1.6EA	1.00	0.993	0.984	0.978	0.969	0.961	0.956	0.948	—	—
PEAD-RP2EA	1.00	0.993	0.984	0.978	0.969	0.961	0.956	0.948	—	—
PEAD-RP2.5EA	1.00	0.989	0.980	0.970	0.960	0.950	0.940	0.930	0.920	0.910
PEAD-RP3EA1	1.00	0.981	0.968	0.952	0.940	0.925	0.913	0.900	0.886	0.874
PEAD-RP4EA1	1.00	0.989	0.980	0.970	0.960	0.950	0.940	0.930	0.920	0.910
PEAD-RP5EA1	1.00	0.981	0.968	0.952	0.940	0.925	0.913	0.900	0.886	0.874
PEAD-RP6EA1	1.00	0.975	0.955	0.935	0.918	0.900	0.884	0.869	0.855	0.840



2) HEATING CAPACITY

PEAD-RP･EA / PU(H)-P･VGAA(1).UK

PU(H)-P･YGAA(1).UK

(230V)

Service Ref.	Indoor Intake air D.B.(°C)	Outdoor Intake air W.B. (°C)											
		-10		-5		0		5		10		15	
		CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.
PEAD-RP1.6EA	15	3080	1.02	3347	1.12	3735	1.30	4899	1.56	5529	1.73	6160	1.87
	20	2959	1.11	3201	1.21	3541	1.40	4729	1.68	5335	1.87	5941	2.01
	25	2862	1.18	3104	1.31	3395	1.52	4462	1.78	5141	2.00	5723	2.15
PEAD-RP2EA	15	4001	1.30	4347	1.43	4851	1.65	6363	1.98	7182	2.20	8001	2.38
	20	3843	1.41	4158	1.54	4599	1.78	6143	2.13	6930	2.38	7718	2.55
	25	3717	1.50	4032	1.67	4410	1.94	5796	2.27	6678	2.54	7434	2.74
PEAD-RP2.5EA	15	4540	1.39	4934	1.53	5506	1.77	7222	2.12	8151	2.36	9081	2.55
	20	4362	1.51	4719	1.65	5220	1.91	6971	2.29	7865	2.55	8759	2.74
	25	4219	1.61	4576	1.79	5005	2.08	6578	2.43	7579	2.73	8437	2.94
PEAD-RP3EA1	15	5747	1.87	6245	2.07	6969	2.39	9141	2.86	10317	3.18	11494	3.43
	20	5521	2.03	5973	2.23	6607	2.58	8824	3.08	9955	3.43	11086	3.69
	25	5340	2.16	5792	2.42	6335	2.80	8326	3.28	9593	3.67	10679	3.96
PEAD-RP4EA1	15	6541	2.33	7107	2.57	7931	2.96	10403	3.55	11742	3.94	13081	4.25
	20	6283	2.52	6798	2.76	7519	3.19	10043	3.82	11330	4.25	12618	4.57
	25	6077	2.69	6592	3.00	7210	3.46	9476	4.06	10918	4.55	12154	4.91
PEAD-RP5EA1	15	8890	2.79	9660	3.08	10780	3.56	14140	4.27	15960	4.74	17780	5.12
	20	8540	3.03	9240	3.32	10220	3.84	13650	4.60	15400	5.12	17150	5.50
	25	8260	3.23	8960	3.60	9800	4.17	12880	4.88	14840	5.47	16520	5.90
PEAD-RP6EA1	15	10541	3.48	11454	3.84	12782	4.43	16766	5.31	18924	5.90	21082	6.37
	20	10126	3.77	10956	4.13	12118	4.78	16185	5.72	18260	6.37	20335	6.84
	25	9794	4.01	10624	4.48	11620	5.19	15272	6.08	17596	6.81	19588	7.35

PEAD-RP･EA / PUHZ-RP･VHA

(230V)

Service Ref.	Indoor Intake air D.B.(°C)	Outdoor Intake air W.B. (°C)											
		-10		-5		0		5		10		15	
		CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.
PEAD-RP1.6EA	15	2604	0.74	2829	0.82	3157	0.95	4141	1.13	4674	1.26	5207	1.36
	20	2501	0.81	2706	0.88	2993	1.02	3998	1.22	4510	1.36	5023	1.46
	25	2419	0.86	2624	0.96	2870	1.11	3772	1.30	4346	1.46	4838	1.57
PEAD-RP2EA	15	3810	0.97	4140	1.07	4620	1.24	6060	1.49	6840	1.65	7620	1.78
	20	3660	1.06	3960	1.16	4380	1.34	5850	1.60	6600	1.78	7350	1.91
	25	3540	1.12	3840	1.25	4200	1.45	5520	1.70	6360	1.91	7080	2.05
PEAD-RP2.5EA	15	4445	1.12	4830	1.24	5390	1.43	7070	1.71	7980	1.90	8890	2.05
	20	4270	1.22	4620	1.33	5110	1.54	6825	1.84	7700	2.05	8575	2.20
	25	4130	1.29	4480	1.44	4900	1.67	6440	1.96	7420	2.19	8260	2.37
PEAD-RP3EA1	15	5080	1.38	5520	1.52	6160	1.76	8080	2.11	9120	2.34	10160	2.53
	20	4880	1.50	5280	1.64	5840	1.90	7800	2.27	8800	2.53	9800	2.71
	25	4720	1.59	5120	1.78	5600	2.06	7360	2.41	8480	2.70	9440	2.91
PEAD-RP4EA1	15	7112	2.05	7728	2.26	8624	2.61	11312	3.13	12768	3.48	14224	3.76
	20	6832	2.23	7392	2.44	8176	2.82	10920	3.38	12320	3.76	13720	4.04
	25	6608	2.37	7168	2.64	7840	3.06	10304	3.58	11872	4.02	13216	4.33
PEAD-RP5EA1	15	8890	2.42	9660	2.67	10780	3.08	14140	3.70	15960	4.11	17780	4.44
	20	8540	2.63	9240	2.88	10220	3.33	13650	3.99	15400	4.44	17150	4.77
	25	8260	2.79	8960	3.12	9800	3.62	12880	4.23	14840	4.75	16520	5.12
PEAD-RP6EA1	15	10160	2.81	11040	3.09	12320	3.57	16160	4.28	18240	4.76	20320	5.14
	20	9760	3.05	10560	3.33	11680	3.86	15600	4.62	17600	5.14	19600	5.52
	25	9440	3.24	10240	3.62	11200	4.19	14720	4.90	16960	5.50	18880	5.93

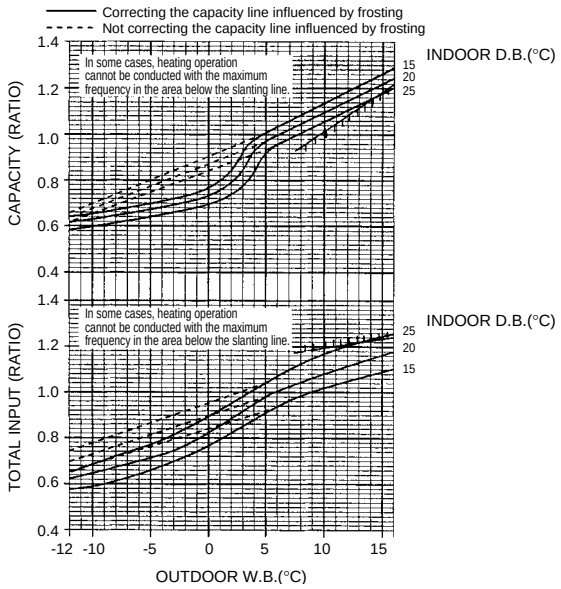
Notes CA: Capacity (W)

P.C.: Power consumption (kW)

Heating capacity correction factor

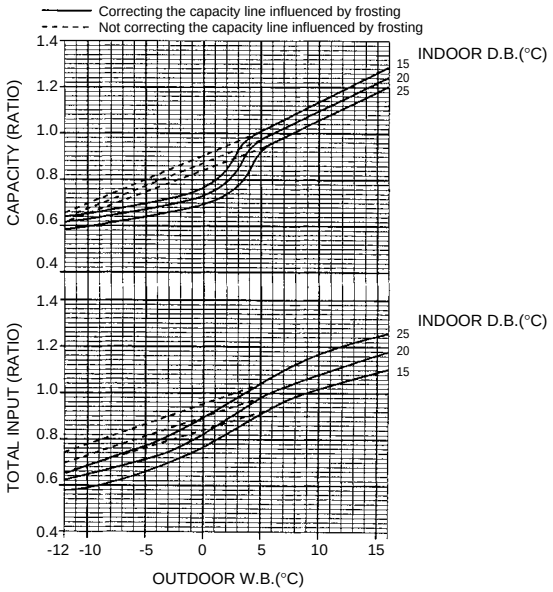
PEAD-RP･EA/PUHZ-RP･VHA

Service Ref.	Refrigerant piping length (one way)															
	5m	10m	15m	20m	25m	30m	35m	40m	45m	50m	55m	60m	65m	70m	75m	80m
PEAD-RP1.6EA	1.00	0.997	0.994	0.991	0.988	0.985	0.982	0.979	0.976	0.973	—	—	—	—	—	—
PEAD-RP2EA	1.00	0.997	0.994	0.991	0.988	0.985	0.982	0.979	0.976	0.973	—	—	—	—	—	—
PEAD-RP2.5EA	1.00	0.997	0.994	0.991	0.988	0.985	0.982	0.979	0.976	0.973	—	—	—	—	—	—
PEAD-RP3EA1	1.00	0.997	0.994	0.991	0.988	0.985	0.982	0.979	0.976	0.973	—	—	—	—	—	—
PEAD-RP4EA1	1.00	0.997	0.994	0.991	0.988	0.985	0.982	0.979	0.976	0.973	0.970	0.967	0.964	0.961	0.958	—
PEAD-RP5EA1	1.00	0.997	0.994	0.991	0.988	0.985	0.982	0.979	0.976	0.973	0.970	0.967	0.964	0.961	0.958	—
PEAD-RP6EA1	1.00	0.997	0.994	0.991	0.988	0.985	0.982	0.979	0.976	0.973	0.970	0.967	0.964	0.961	0.958	—



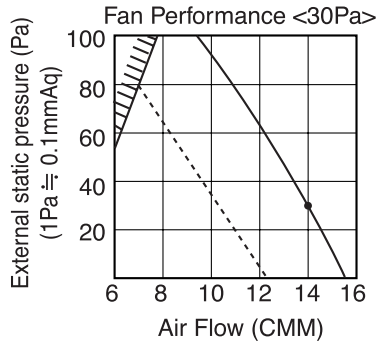
PEAD-RP･EA / PUH-P･VGAA.UK PUH-P･YGAA.UK
PU-P･VGAA.UK PU-P･YGAA.UK
PUH-P･VGAA1.UK PUH-P･YGAA1.UK
PU-P･VGAA1.UK PU-P･YGAA1.UK

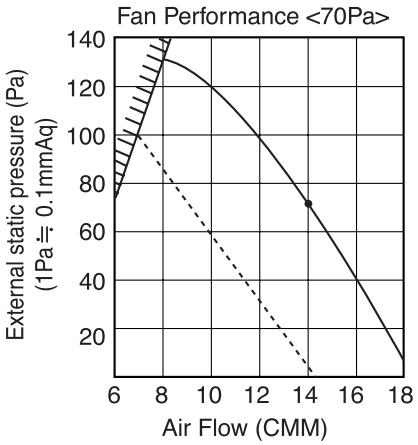
Service Ref.	Refrigerant piping length (one way)									
	5m	10m	15m	20m	25m	30m	35m	40m	45m	50m
PEAD-RP1.6EA	1.00	0.998	0.995	0.993	0.990	0.988	0.985	0.983	—	—
PEAD-RP2EA	1.00	0.998	0.995	0.993	0.990	0.988	0.985	0.983	—	—
PEAD-RP2.5EA	1.00	0.998	0.995	0.993	0.990	0.988	0.985	0.983	0.980	0.978
PEAD-RP3EA1	1.00	0.998	0.995	0.993	0.990	0.988	0.985	0.983	0.980	0.978
PEAD-RP4EA1	1.00	0.998	0.995	0.993	0.990	0.988	0.985	0.983	0.980	0.978
PEAD-RP5EA1	1.00	0.998	0.995	0.993	0.990	0.988	0.985	0.983	0.980	0.978
PEAD-RP6EA1	1.00	0.998	0.995	0.993	0.990	0.988	0.985	0.983	0.980	0.978

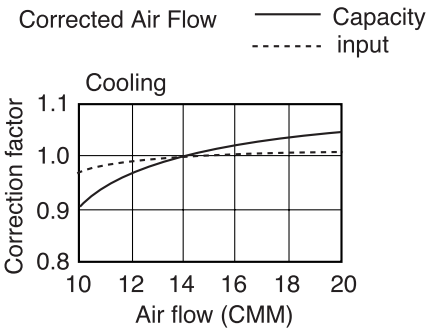


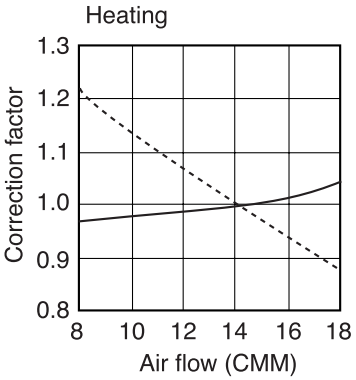
2 . FAN PERFORMANCE AND CORRECTED AIR FLOW

PEAD-RP1.6EA

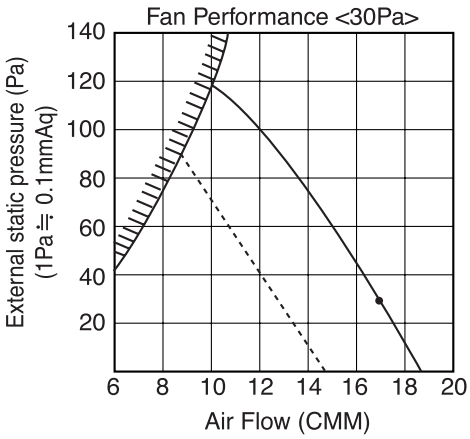


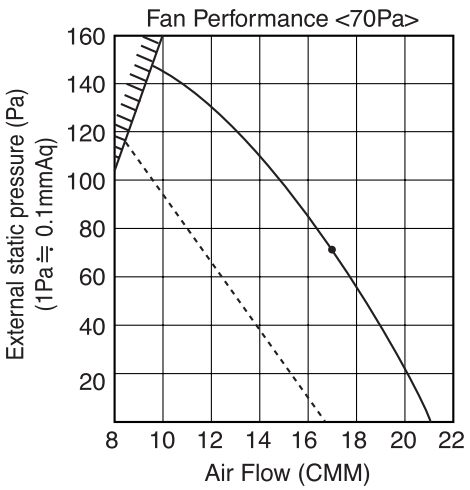


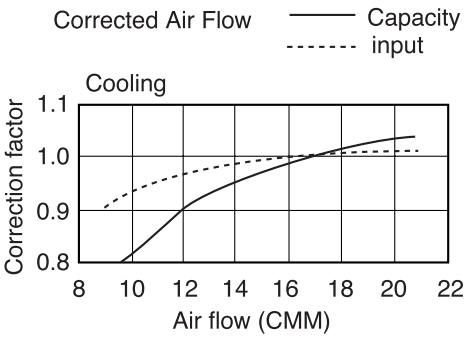


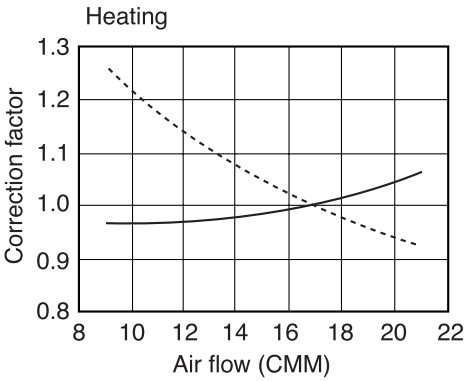


PEAD-RP2EA

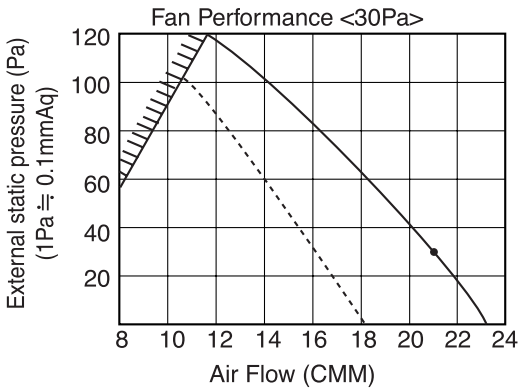


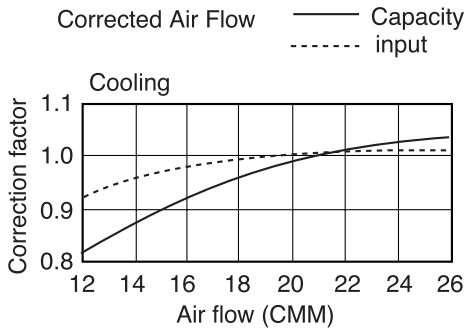


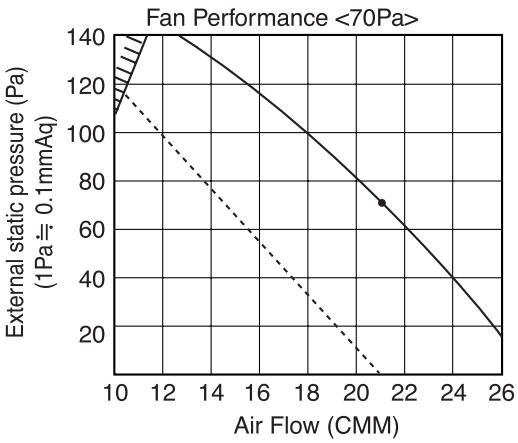


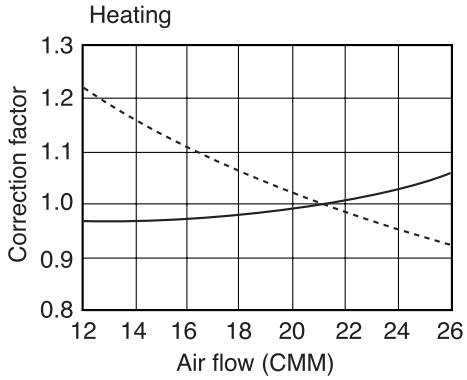


PEAD-RP2.5EA



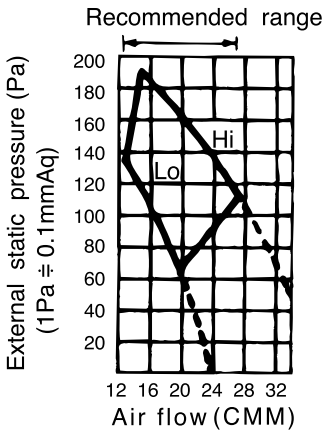




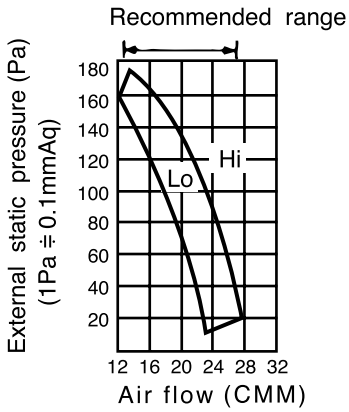


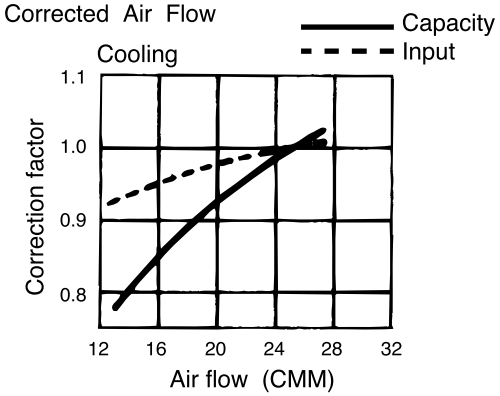
PEAD-RP3EA1

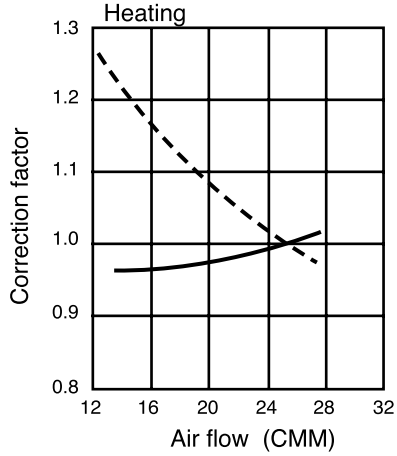
Fan performance <130Pa>



Fan performance <70Pa>

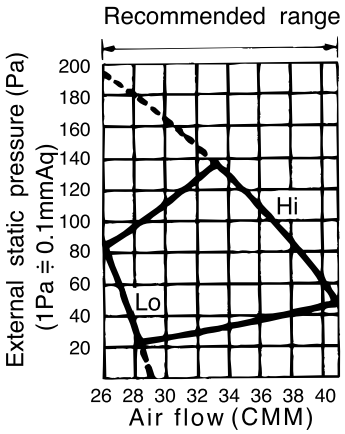




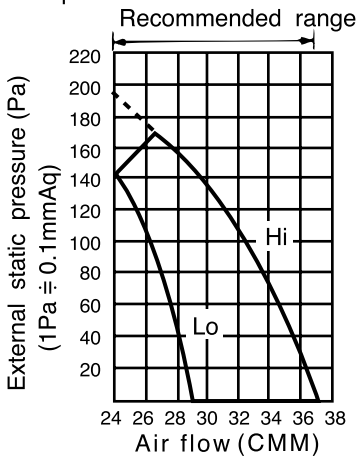


PEAD-RP4EA1

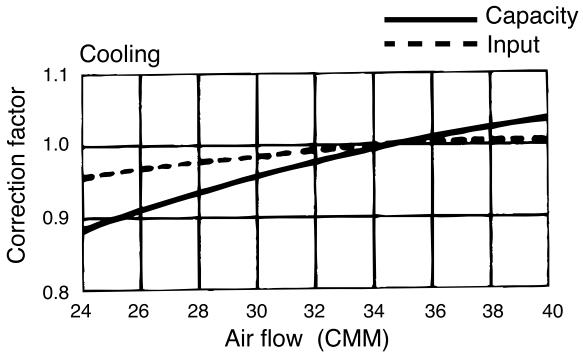
Fan performance <130Pa>

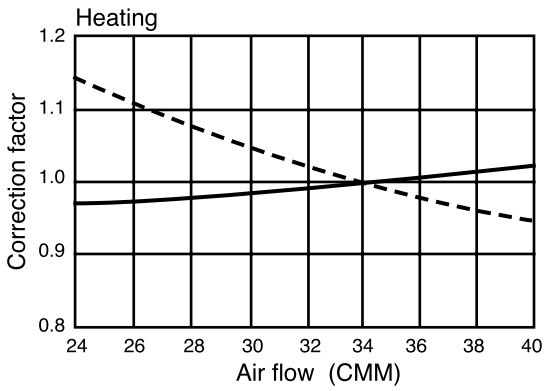


Fan performance <70Pa>



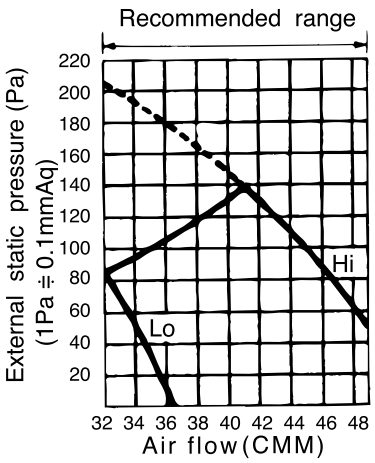
Corrected Air Flow



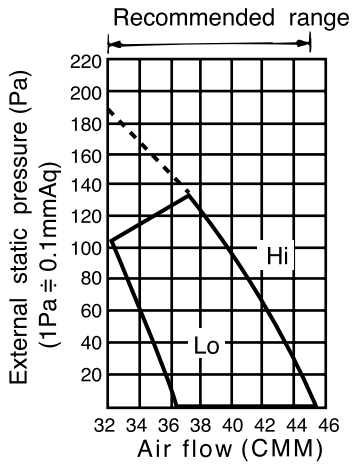


PEAD-RP5EA1

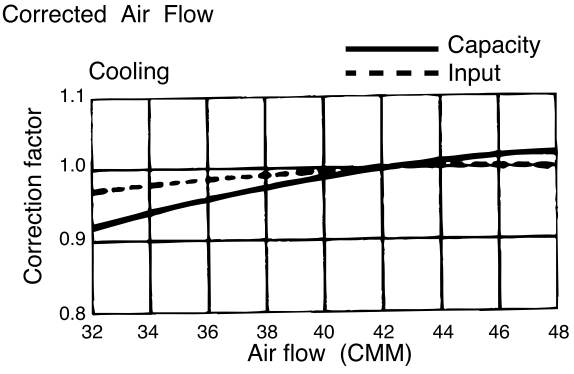
Fan performance <130Pa>

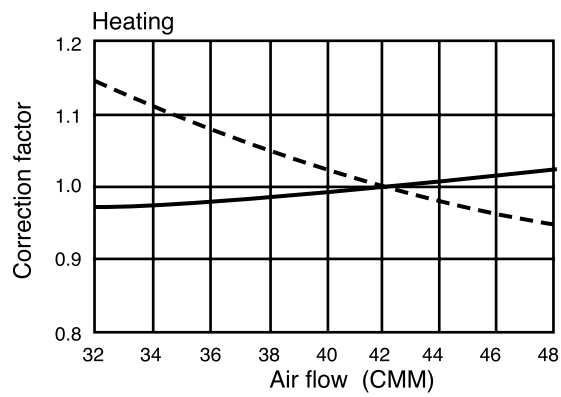


Fan performance <70Pa>



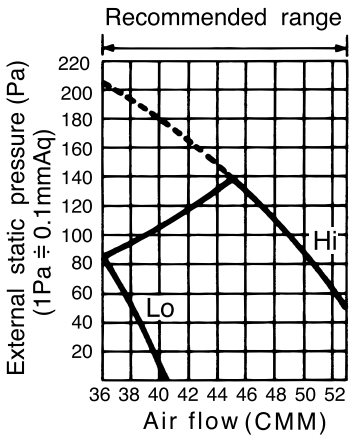
Corrected Air Flow



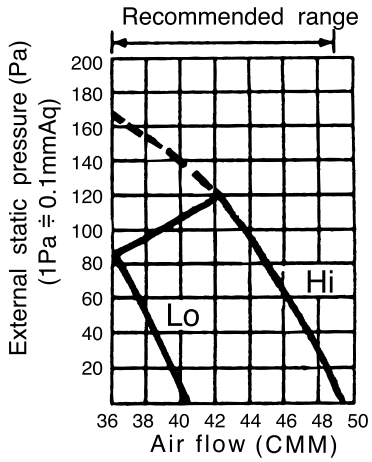


PEAD-RP6EA1

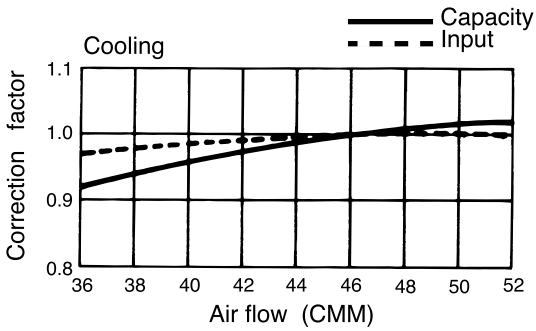
Fan performance <130Pa>

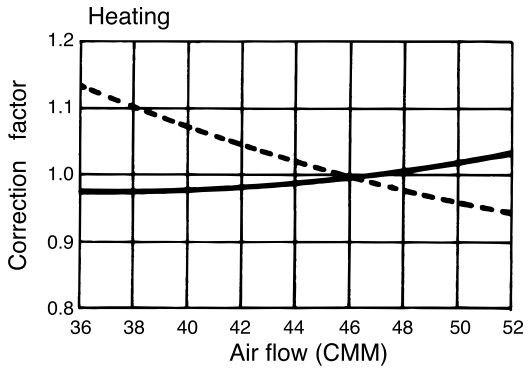


Fan performance <70Pa>



Corrected Air Flow

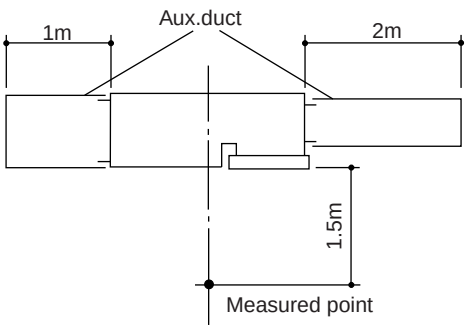




3 . SOUND LEVELS

1)Noise level

Ceiling concealed

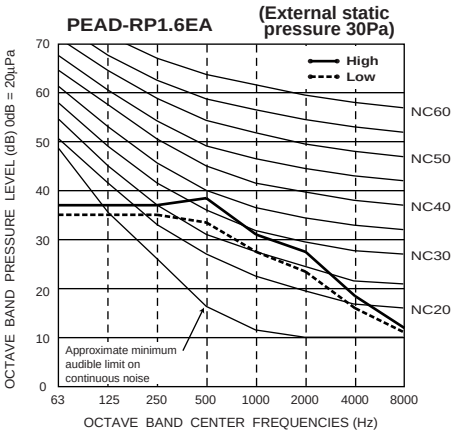


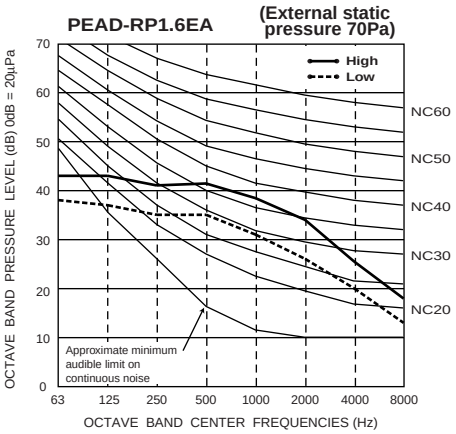
Noise level at anechoic room (Low-High) Unit : dB(A)

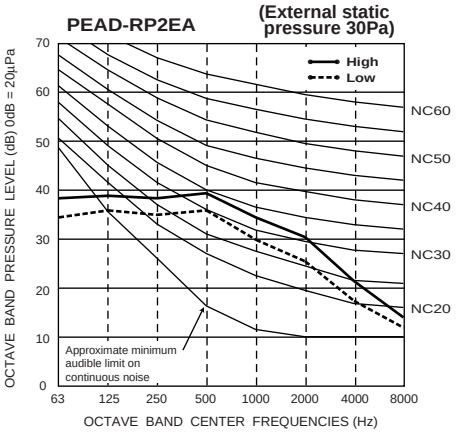
Model	External static pressure		
	30Pa	70Pa	130Pa
PEAD-RP1.6EA	34-38	36-43	-
PEAD-RP2EA	36-40	38-44	-
PEAD-RP2.5EA	37-41	39-46	-
PEAD-RP3EA1	-	37-41	40-45 ❋
PEAD-RP4EA1	-	41-46	42-48 ❋
PEAD-RP5EA1	-	44-50	46-52 ❋
PEAD-RP6EA1	-	46-51	47-53 ❋

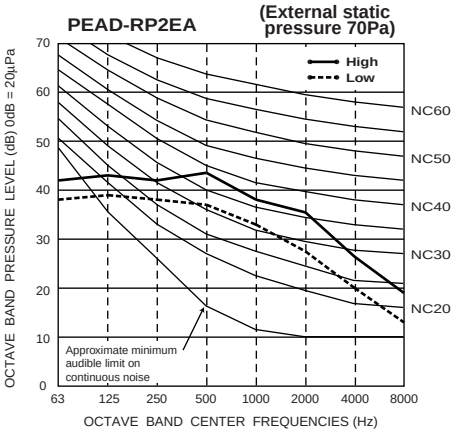
❋ Optional motor

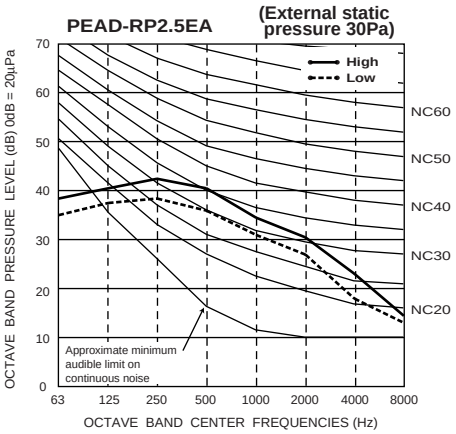
2)NC curves

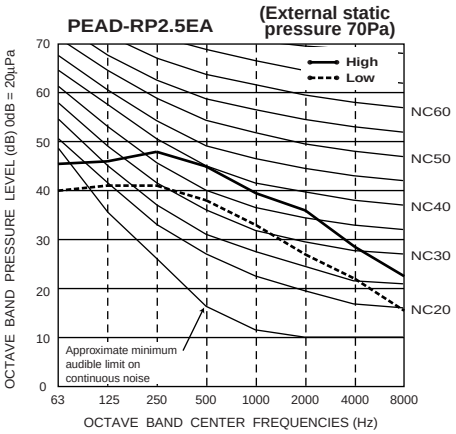

PEAD-RP1.6EA
(External static pressure 30Pa)
High
Low
NC60
NC50
NC40
NC30
NC20
Approximate minimum audible limit on continuous noise
OCTAVE BAND PRESSURE LEVEL (dB) 0dB = 20μPa
OCTAVE BAND CENTER FREQUENCIES (Hz)

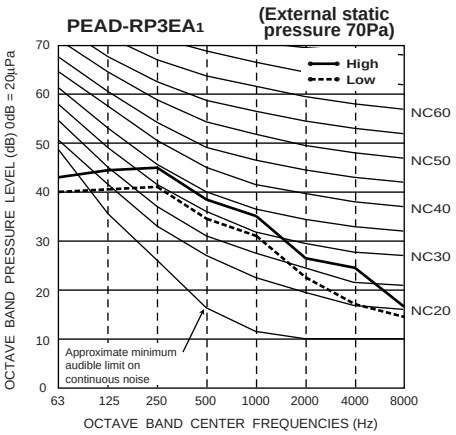

PEAD-RP1.6EA
(External static pressure 70Pa)
High
Low
NC60
NC50
NC40
NC30
NC20
Approximate minimum audible limit on continuous noise
OCTAVE BAND PRESSURE LEVEL (dB) 0dB = 20μPa
OCTAVE BAND CENTER FREQUENCIES (Hz)

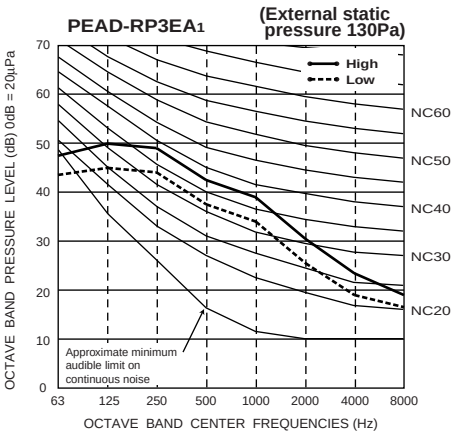

PEAD-RP2EA
(External static pressure 30Pa)
High
Low
NC60
NC50
NC40
NC30
NC20
Approximate minimum audible limit on continuous noise
OCTAVE BAND PRESSURE LEVEL (dB) 0dB = 20μPa
OCTAVE BAND CENTER FREQUENCIES (Hz)

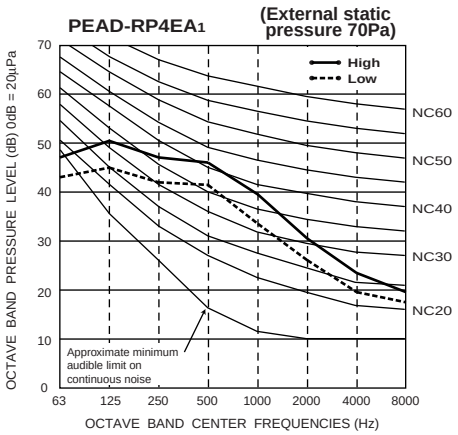

PEAD-RP2EA
(External static pressure 70Pa)
High
Low
NC60
NC50
NC40
NC30
NC20
Approximate minimum audible limit on continuous noise
OCTAVE BAND PRESSURE LEVEL (dB) 0dB = 20μPa
OCTAVE BAND CENTER FREQUENCIES (Hz)

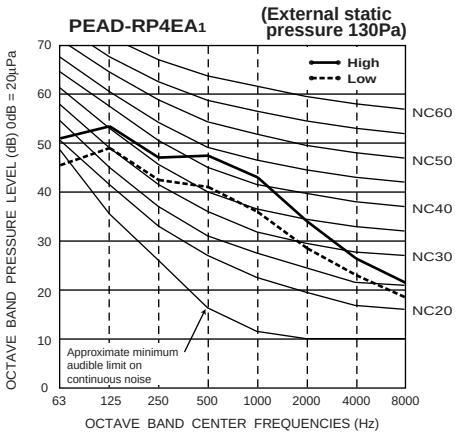

PEAD-RP2.5EA
(External static pressure 30Pa)
High
Low
NC60
NC50
NC40
NC30
NC20
Approximate minimum audible limit on continuous noise
OCTAVE BAND PRESSURE LEVEL (dB) 0dB = 20μPa
OCTAVE BAND CENTER FREQUENCIES (Hz)

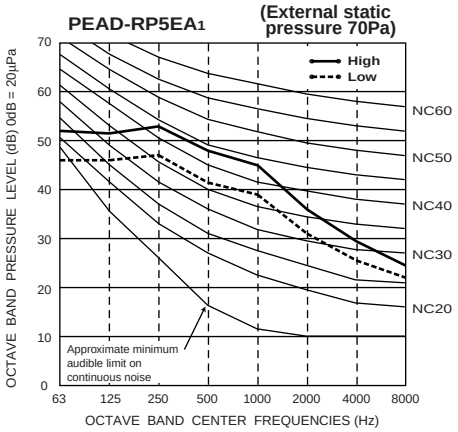

PEAD-RP2.5EA
(External static pressure 70Pa)
High
Low
NC60
NC50
NC40
NC30
NC20
Approximate minimum audible limit on continuous noise
OCTAVE BAND PRESSURE LEVEL (dB) 0dB = 20μPa
OCTAVE BAND CENTER FREQUENCIES (Hz)

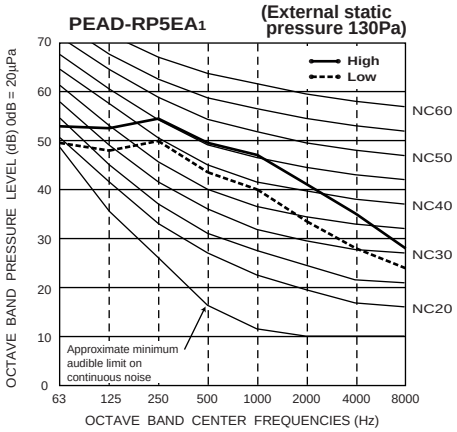

PEAD-RP3EA1
(External static pressure 70Pa)
High
Low
NC60
NC50
NC40
NC30
NC20
Approximate minimum audible limit on continuous noise
OCTAVE BAND PRESSURE LEVEL (dB) 0dB = 20μPa
OCTAVE BAND CENTER FREQUENCIES (Hz)

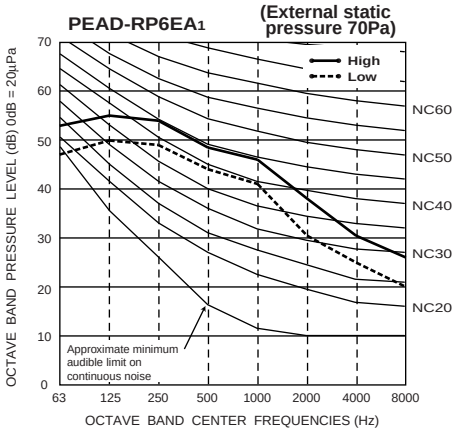

PEAD-RP3EA1
(External static pressure 130Pa)
High
Low
NC60
NC50
NC40
NC30
NC20
Approximate minimum audible limit on continuous noise
OCTAVE BAND PRESSURE LEVEL (dB) 0dB = 20μPa
OCTAVE BAND CENTER FREQUENCIES (Hz)

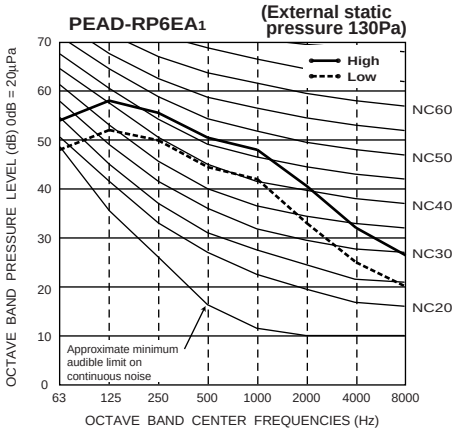

PEAD-RP4EA1
(External static pressure 70Pa)
High
Low
NC60
NC50
NC40
NC30
NC20
Approximate minimum audible limit on continuous noise
OCTAVE BAND PRESSURE LEVEL (dB) 0dB = 20μPa
OCTAVE BAND CENTER FREQUENCIES (Hz)
0
10
20
30
40
50
60
70
63
125
250
500
1000
2000
4000
8000


PEAD-RP4EA1
(External static pressure 130Pa)
High
Low
NC60
NC50
NC40
NC30
NC20
Approximate minimum audible limit on continuous noise
OCTAVE BAND PRESSURE LEVEL (dB) 0dB = 20μPa
OCTAVE BAND CENTER FREQUENCIES (Hz)
0
10
20
30
40
50
60
70
63
125
250
500
1000
2000
4000
8000


PEAD-RP5EA1
(External static pressure 70Pa)
High
Low
NC60
NC50
NC40
NC30
NC20
Approximate minimum audible limit on continuous noise
OCTAVE BAND PRESSURE LEVEL (dB) 0dB = 20μPa
OCTAVE BAND CENTER FREQUENCIES (Hz)
0
10
20
30
40
50
60
70
63
125
250
500
1000
2000
4000
8000

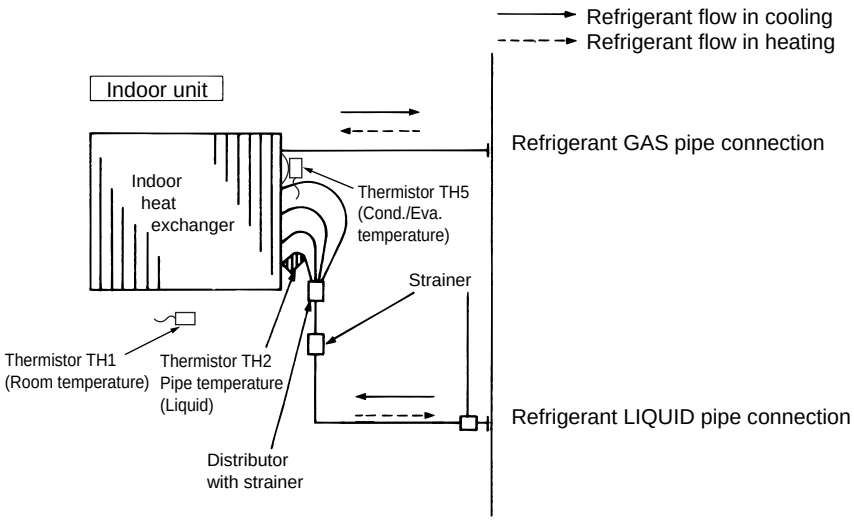

PEAD-RP5EA1
(External static pressure 130Pa)
High
Low
NC60
NC50
NC40
NC30
NC20
Approximate minimum audible limit on continuous noise
OCTAVE BAND PRESSURE LEVEL (dB) 0dB = 20μPa
OCTAVE BAND CENTER FREQUENCIES (Hz)
0
10
20
30
40
50
60
70
63
125
250
500
1000
2000
4000
8000


PEAD-RP6EA1
(External static pressure 70Pa)
High
Low
NC60
NC50
NC40
NC30
NC20
Approximate minimum audible limit on continuous noise
OCTAVE BAND PRESSURE LEVEL (dB) 0dB = 20μPa
OCTAVE BAND CENTER FREQUENCIES (Hz)
0
10
20
30
40
50
60
70
63
125
250
500
1000
2000
4000
8000


PEAD-RP6EA1
(External static pressure 130Pa)
High
Low
NC60
NC50
NC40
NC30
NC20
Approximate minimum audible limit on continuous noise
OCTAVE BAND PRESSURE LEVEL (dB) 0dB = 20μPa
OCTAVE BAND CENTER FREQUENCIES (Hz)
0
10
20
30
40
50
60
70
63
125
250
500
1000
2000
4000
8000

6 REFRIGERANT SYSTEM DIAGRAM

PEAD-RP1.6, 2, 2.5EA
PEAD-RP3, 4, 5, 6EA1



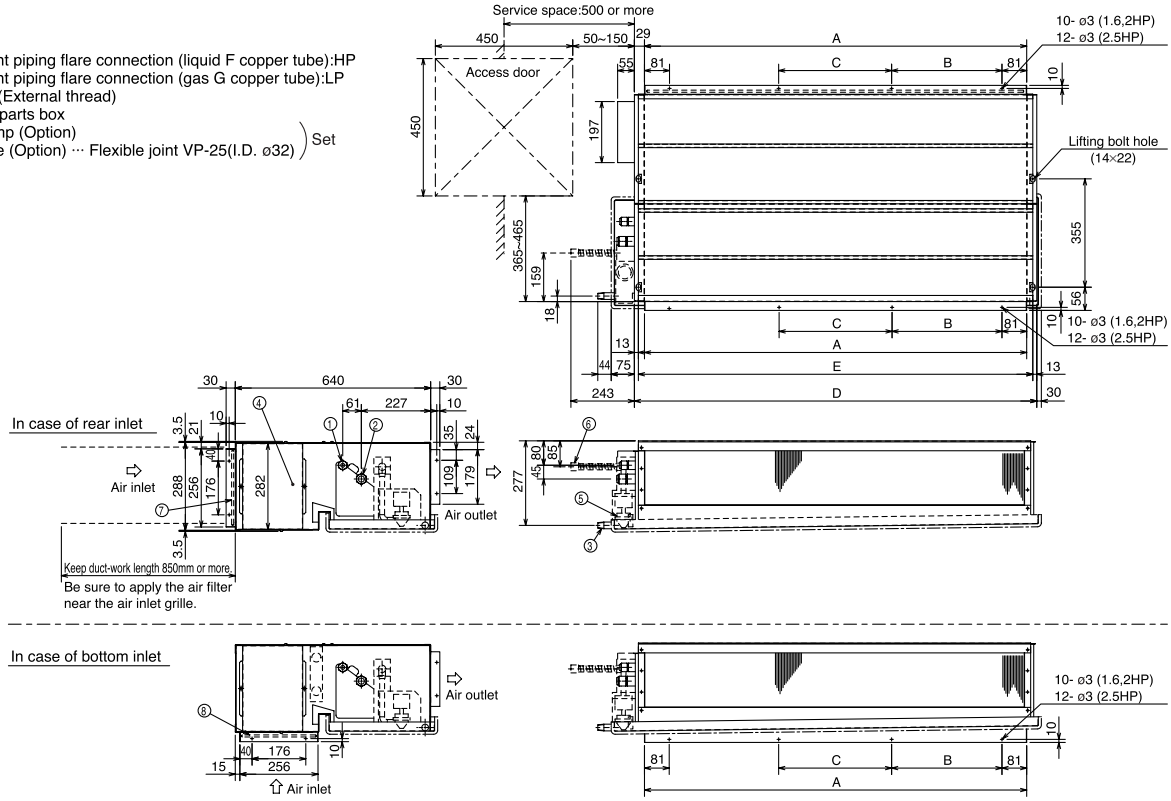
7 OUTLINES & DIMENSIONS

1. INDOOR UNIT

PEAD-RP1.6, 2, 2.5EA

Model	A	B	C	D	E	F	G
RP1.6,2	772	305	–	830	804	FOR PUHZ-RP TYPE:6.35 FOR PU(H)-P TYPE:9.52	FOR PUHZ-RP TYPE:12.7 FOR PU(H)-P TYPE:15.88
RP2.5	1012	280	290	1070	1044	9.52	15.88

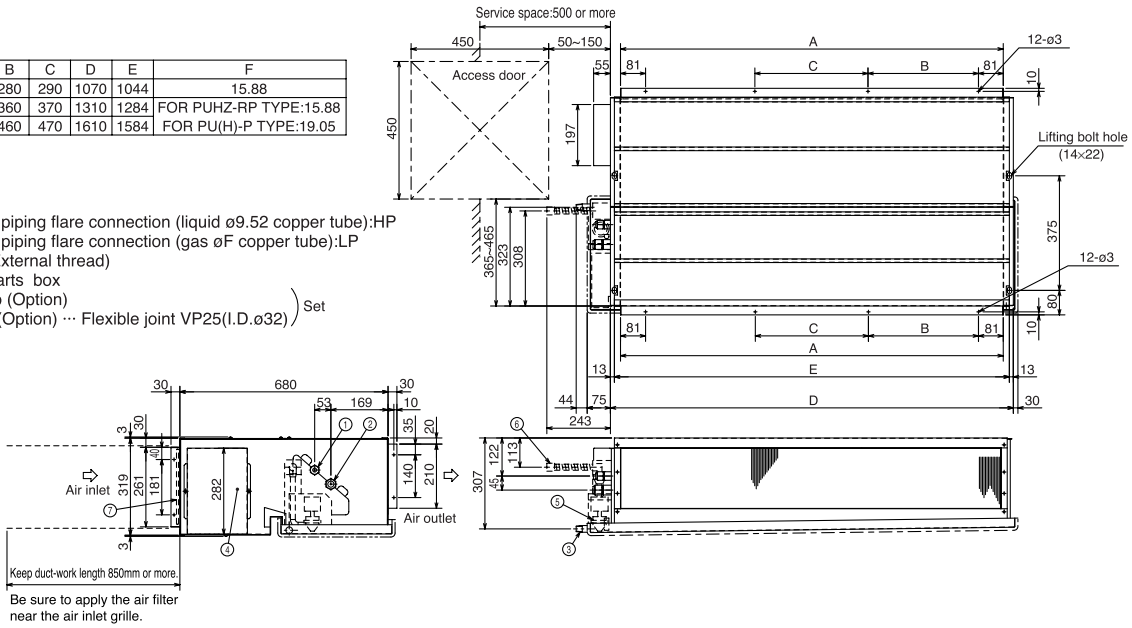
① Refrigerant piping flare connection (liquid F copper tube):HP
② Refrigerant piping flare connection (gas G copper tube):LP
③ Drain R1(External thread)
④ Electrical parts box
⑤ Drain Pump (Option)
⑥ Drain Pipe (Option) ··· Flexible joint VP-25(I.D. ø32) } Set
⑦ Filter



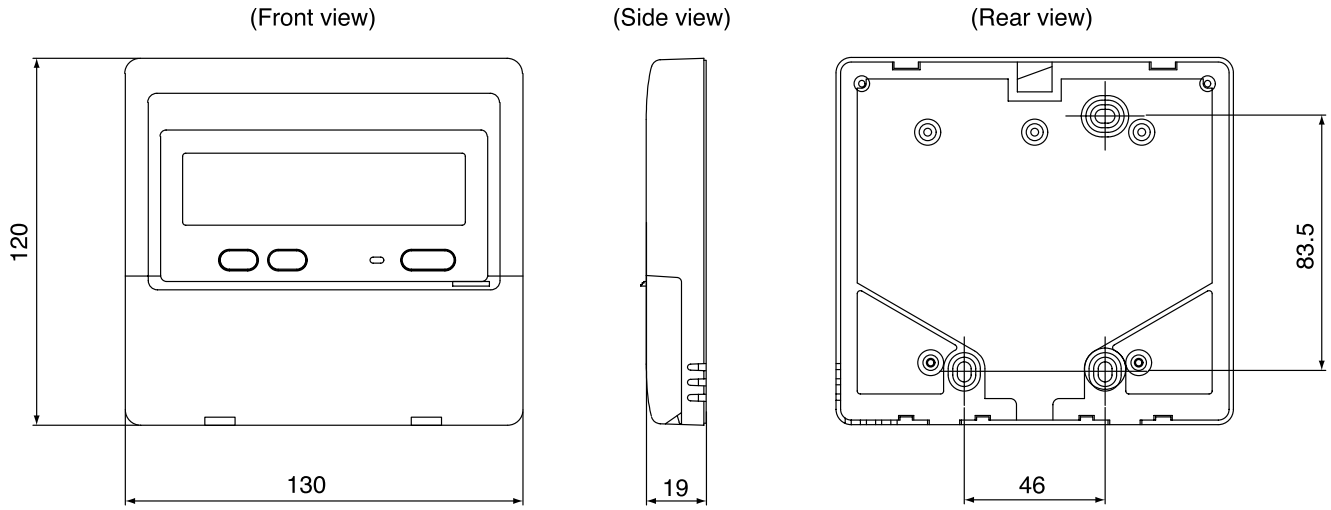
PEAD-RP3, 4, 5, 6EA1

Model	A	B	C	D	E	F
RP3	1012	280	290	1070	1044	15.88
RP4·5	1252	360	370	1310	1284	FOR PUHZ-RP TYPE:15.88
RP6	1552	460	470	1610	1584	FOR PU(H)-P TYPE:19.05

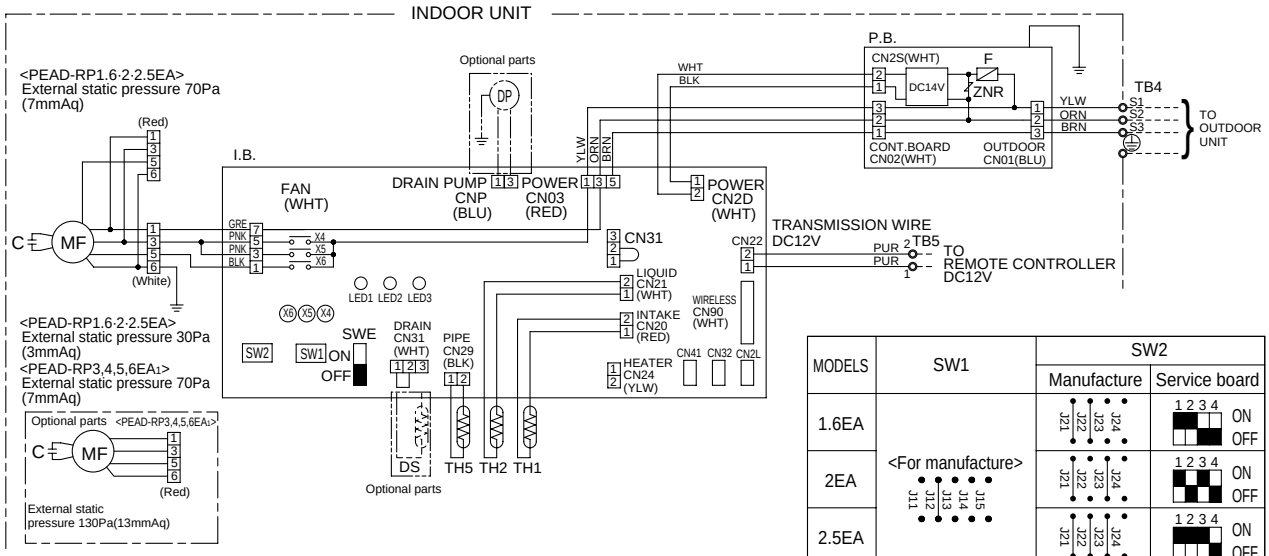
① Refrigerant piping flare connection (liquid ø9.52 copper tube):HP
② Refrigerant piping flare connection (gas øF copper tube):LP
③ Drain R1 (External thread)
④ Electrical parts box
⑤ Drain Pump (Option)
⑥ Drain Pipe (Option) ··· Flexible joint VP25(I.D.ø32) } Set
⑦ Filter



2. REMOTE CONTROLLER



8 WIRING DIAGRAM



MODELS	SW1	SW2	
		Manufacture	Service board
1.6EA	<For manufacture> J11 J12 J13 J14 J15	J21 J22 J23 J24	1 2 3 4 ON OFF
2EA		J21 J22 J23 J24	1 2 3 4 ON OFF
2.5EA		J21 J22 J23 J24	1 2 3 4 ON OFF
3EA	<For service board> 1 2 3 4 5 ON OFF	J21 J22 J23 J24	1 2 3 4 ON OFF
4EA		J21 J22 J23 J24	1 2 3 4 ON OFF
5EA		J21 J22 J23 J24	1 2 3 4 ON OFF
6EA		J21 J22 J23 J24	1 2 3 4 ON OFF

SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
I.B.	INDOOR CONTROLLER BOARD	P.B.	INDOOR POWER BOARD	C	CAPACITOR(FAN MOTOR)
CN2L	CONNECTOR(LOSSNAY)	F1	FUSE(4A)	MF	FAN MOTOR
CN32	CONNECTOR(REMOTE SWITCH)	ZNR	VARISTOR	TB5	TERMINAL BLOCK(REMOTE CONTROLLER)
CN41	CONNECTOR(HA TERMINAL-A)			TB4	TERMINAL BLOCK (INDOOR/OUTDOOR CONNECTING LINE)
LED1	POWER SUPPLY(I.B.)	DRAIN PUMP	(OPTIONAL PARTS)		
LED2	POWER SUPPLY(REMOTE CONTROLLER)	DP	DRAIN PUMP	TH1	ROOM TEMPERATURE THERMISTOR (0°C/15KΩ, 25°C/5.4KΩ DETECT)
LED3	TRANSMISSION(INDOOR·OUTDOOR)	DS	DRAIN SENSOR		
SW1	JUMPER WIRE(MODEL SELECTION)			TH2	PIPE TEMPERATURE THERMISTOR/LIQUID (0°C/15KΩ, 25°C/5.4KΩ DETECT)
SW2	JUMPER WIRE(CAPACITY CORD)				
SWE	SWITCH(EMERGENCY OPERATION)			TH5	COND./EVA. TEMPERATURE THERMISTOR (0°C/15KΩ, 25°C/5.4KΩ DETECT)
X4	RELAY(FAN MOTOR)				
X5	RELAY(FAN MOTOR)				
X6	RELAY(FAN MOTOR)				

9 TROUBLE-SHOOTING

9-1. TROUBLE-SHOOTING

<Error code display by self-diagnosis and actions to be taken for service (summary)>

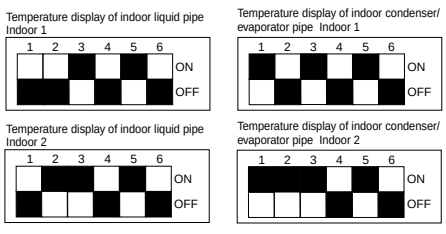
Present and past error codes are logged and displayed on the wired remote controller and control board of outdoor unit. Actions to be taken for service, which depends on whether or not the inferior phenomenon is reoccurring at service, are summarized in the table below. Check the contents below before investigating details.

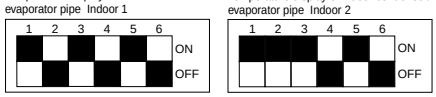
Unit conditions at service	Error code	Actions to be taken for service (summary)
The inferior phenomenon is reoccurring.	Displayed	Judge what is wrong and take a corrective action according to “Self-diagnosis action table” (P.41).
	Not displayed	Conduct trouble shooting and ascertain the cause of the inferior phenomenon according to “Trouble shooting by inferior phenomena” (P.44).
The inferior phenomenon is not reoccurring.	Logged	①Consider the temporary defects such as the work of protection devices in the refrigerant circuit including compressor, poor connection of wiring, noise and etc. Recheck the symptom, and check the installation environment, refrigerant amount, weather when the inferior phenomenon occurred, matters related to wiring and etc. ②Reset error code logs and restart the unit after finishing service. ③There is no abnormality concerning of parts such as electrical component, controller board, remote controller and etc.
	Not logged	①Recheck the abnormal symptom. ②Conduct trouble shooting and ascertain the cause of the inferior phenomenon according to “Trouble shooting by inferior phenomena” (P.44). ③Continue to operate unit for the time being if the cause is not ascertained. ④There is no abnormality concerning of parts such as electrical component, controller board, remote controller and etc.

9-2. SELF-DIAGNOSIS ACTION TABLE

Note: Refer to the manual of outdoor unit for the details of display such as F, U, and other E.

Error Code	Meaning of error code and detection method	Case	Judgment and action
P1	**Abnormality of room temperature thermistor (TH1)** ① The unit is in three-minute resume prevention mode if short/open of thermistor is detected. Abnormal if the unit does not reset normally after three minutes. (The unit returns to normal operation, if it has normally reset.) ② Constantly detected during cooling, drying, and heating operation. Short: 90℃ or more Open: -40℃ or less	① Defective thermistor characteristics ② Contact failure of connector (Insert failure) ③ Breaking of wire or contact failure of thermistor wiring ④ Defective indoor control p.c. board	①–③ Check resistance value of thermistor. 0℃ ·····15.0kΩ 10℃ ····9.6kΩ 20℃ ····6.3kΩ 30℃ ····4.3kΩ 40℃ ····3.0kΩ If you put force on (draw or bend) the lead wire while measuring resistance value of thermistor broken wire or contact failure can be detected. ② Check contact failure of connector. Put the power on again and check restart after inserting connector again. ④ Check room temperature display on remote controller Replace indoor control p.c. board if there is abnormal difference with actual room temperature. There is no abnormality if none of the above happens within the unit. Put the power off, and on again to operate.
P2	**Abnormality of pipe temperature thermistor/Liquid (TH2)** ① The unit is in three-minute resume prevention mode if short/open of thermistor is detected. Abnormal if the unit does not reset normally after three minutes. (The unit returns to normal operation, if it has normally reset.) ② Constantly detected during cooling, drying, and heating (except defrosting) operation. Short: 90℃ or more Open: -40℃ or less	① Defective thermistor characteristics ② Contact failure of connector (Insert failure) ③ Breaking of wire or contact failure of thermistor wiring ④ Defective refrigerant circuit is causing thermistor temperature of 90℃ or more or -40℃ or less. ⑤ Defective indoor control p.c. board.	①–③ Check resistance value of thermistor. For characteristics, refer to (P1) above. ② Check contact failure of connector Put the power on and check restart after inserting connector again. ④ Check pipe <liquid> temperature with remote controller in test run mode. If pipe <liquid> temperature is excessively low (in cooling mode) or high (in heating mode), refrigerant circuit may be defective. ⑤ Check pipe <liquid> temperature with remote controller in test run mode. If there is excessive difference with actual pipe <liquid> temperature, replace indoor control p.c. board. There is no abnormality if none of the above happens within the unit. Put the power off, and on again to operate.
P4	**Abnormality of drain sensor (DS)** ① Suspensive abnormality, if short/open of thermistor is detected for 30 seconds continuously. Put off compressor and indoor fan. ② Short/open is detected for 30 seconds continuously during suspensive abnormality. (The unit returns to normal operation, if it has normally reset.) ③ Detect the following condition. • During cooling and drying operation. • In case that pipe <liquid> temperature-room temperature <-10deg (Except defrosting) • When pipe <liquid> temperature or room temperature is short/open temperature. • During drain pump operation.	① Defective thermistor characteristics ② Contact failure of connector (Insert failure) ③ Breaking of wire or contact failure of drain sensor wiring ④ Defective indoor control p.c. board.	①–③ Check resistance value of thermistor. 0℃ ·····6.0kΩ 10℃ ····3.9kΩ 20℃ ····2.6kΩ 30℃ ····1.8kΩ 40℃ ····1.3kΩ ② Check contact failure of connector. Put the power on again and check restart after inserting connector again. ④ Replace indoor control p.c. board if drain pump operates with the line of drain sensor connector CN31-① and ② is short-circuited, and abnormality reappears. There is no abnormality if none of the above happens within the unit. Put the power off, and on again to operate.
P5	**Malfunction of drain pump** ① Suspensive abnormality, if thermistor of drain sensor is allowed to heat by itself and temperature rises slightly. Put off compressor and indoor fan. ② Drain pump is abnormal if the condition above is detected during suspensive abnormality. ③ Constantly detected during drain pump operation.	① Malfunction of drain pump ② Defective drain Clogged drain pump Clogged drain pipe ③ Attached drop of water at the drain sensor • Drops of drain trickles from lead wire. • Clogged filter is causing wave in drain pan. ④ Defective indoor control p.c. board.	① Check if drain-up machine works. ② Check drain function. ③ Check the setting of lead wire of drain sensor and check filter condition. ④ Replace indoor control p.c. board if drain pump operates with the line of drain sensor connector CN31-① and ② is short-circuited and abnormality reappears. There is no abnormality if none of above comes within the unit. Put the power off, and on again to operate.

Error Code	Meaning of error code and detection method	Case	Judgment and action
P6	**Freezing/overheating protection is working** ① Freezing protection (Cooling mode) The unit is in six-minute resume prevention mode if pipe <liquid or condenser-evaporator> temperature stays under -15℃ for three minutes, three minutes after the compressor started. Abnormal if it stays under -15℃ for three minutes again within 16 minutes after six-minute resume prevention mode. ② Frost abnormality (Only for the combination with inverter-type outdoor unit) Suspensive abnormal if unit operates in frost prevention mode (below) for 9 minutes or more. After that, when frost prevention mode is released and compressor restarts its operation, unit is not detected as abnormal if compressor keeps operating for 20 minutes continuously and abnormal if compressor stops operating within 20 minutes and unit operates in frost prevention mode for more than 9 minutes again. (Not abnormal if unit stops operating in frost prevention mode within 9 minutes) <Frost prevention mode> If pipe <liquid or condenser-evaporator> temperature is 2℃ or below when 16 minutes has passed after compressor starts operating, unit will start operating in frost prevention mode which stops compressor operation. After that, when pipe <liquid or condenser-evaporator> temperature stays 10℃ or more for 3 minutes, frost prevention mode will be released and compressor will restart its operation. ③ Overheating protection (Heating mode) The units in six-minute resume prevention mode if pipe <condenser-evaporator> temperature is detected as over 74℃ after the compressor started. Abnormal if the temperature of over 74℃ is detected again within 10 minutes after six-minute resume prevention mode.	(Cooling or drying mode) ① Clogged filter (reduced airflow) ② Short cycle of air path ③ Low-load (low temperature) operation beyond the tolerance range ④ Defective indoor fan motor Fan motor is defective. Control board is defective. ⑤ Defective outdoor fan control (middle season, winter season) ⑥ Overcharge of refrigerant ⑦ Defective refrigerant circuit (clogs) (Heating mode) ① Clogged filter (reduced airflow) ② Short cycle of air path ③ Over-load (high temperature) operation beyond the tolerance range ④ Defective indoor fan motor Fan motor is defective. Control board is defective. ⑤ Malfunction of outdoor fan. (Season when air conditioner is not used.) ⑥ Overcharge of refrigerant ⑦ Defective refrigerant circuit (clogs) ⑧ Bypass circuit of outdoor unit is defective.	(Cooling or drying mode) ① Check clogs of the filter. ② Remove shields. ④ Measure the resistance of fan motor's winding. Measure the output voltage of fan's connector (FAN) on control board. ❋The control board should be normal when a current of AC100V to 240V is detected while fan motor is connected. ⑤ Check action of outdoor fan motor. ⑥⑦Check operating condition of refrigerant circuit. (Heating mode) ① Check filter condition. ② Remove shields. ④ Measure the resistance at fan motor's winding. Measure the output voltage at fan's connector (FAN) on control board. ❋The control board should be normal when a current of AC100V to 240V is detected while fan motor is connected. ⑤ Check the operation of fan motor in outdoor unit. ⑥~⑧Check operating condition of refrigerant circuit.
P8	**Abnormality of pipe temperature** (Cooling mode) Detected as abnormal when the pipe temperature is not in the cooling range 3 minutes later of compressor start and 6 minutes later of the liquid or condenser/evaporator pipe is out of cooling range. Note 1) It takes at least 9 min. to detect abnormality. Note 2) Abnormality P8 is not detected in drying mode. Cooling range- = TH – intake temperature ≦ 3 deg TH: Lower temperature between: liquid pipe temperature and condenser/ evaporator temperature (Heating mode) When 10 seconds have passed after the compressor starts operation and the hot adjustment mode has finished, the unit is detected as abnormal when condenser/evaporator pipe temperature is not in heating range within 20 minutes. Note 3) It takes at least 27 minutes to detect abnormality. Note 4) It excludes the period of defrosting (Detection restarts when defrosting mode is over) Heating operation = 3 deg ≦ (Condenser/ Evaporator temperature – intake temperature)	① Slight temperature difference between indoor room temperature and pipe <liquid or condenser-evaporator> temperature thermistor • Shortage of refrigerant • Disconnected holder of pipe <liquid or condenser-evaporator> thermistor • Defective refrigerant circuit ② Converse connection of extension pipe (on plural units connection) ③ Converse wiring of indoor/outdoor unit connecting wire (on plural units connection) ④ Defective detection of indoor room temperature and pipe <liquid or condenser-evaporator> temperature thermistor ⑤ Defective stop valve action (Ensure stop valve is fully open.)	①④Check pipe <liquid or condenser-evaporator> temperature with room temperature display on remote controller and outdoor control board. (In case of checking pipe temperature with outdoor control board, be sure to connect A-control service tool (PAC-SK52ST).)  A-Control Service Tool SW2 setting ②③Check converse connection of extension pipe or converse wiring of indoor/outdoor unit connecting wire.

Error Code	Meaning of error code and detection method	Case	Judgment and action
P9	**Abnormality of pipe temperature thermistor / Condenser-Evaporator (TH5)** ① The unit is in three-minute resume protection mode if short/open of thermistor is detected. Abnormal if the unit does not get back to normal within three minutes. (The unit returns to normal operation, if it has normally reset.) ② Constantly detected during cooling, drying, and heating operation (except defrosting) Short: 90℃ or more Open: -40℃ or less	① Defective thermistor characteristics ② Contact failure of connector (Insert failure) ③ Breaking of wire or contact failure of thermistor wiring ④ Temperature of thermistor is 90℃ or more or -40℃ or less caused by defective refrigerant circuit. ⑤ Defective indoor control p.c. board	①–③ Check resistance value of thermistor. For characteristics, refer to (P1) above. ② Check contact failure of connector Put the power on and check restart after inserting connector again. ④ Operate in test run mode and check pipe <condenser- evaporator> temperature with outdoor control p.c. board. If pipe <condenser-evaporator> temperature is excessively low (in cooling mode) or high (in heating mode), refrigerant circuit be have defective. ⑤ Operate in test run mode and check pipe <condenser- evaporator> temperature with outdoor control p.c. board. If there is excessive difference with actual pipe <condenser-evaporator> temperature replace indoor control p.c. board There is no abnormality if none of the above happens within the unit. Put the power off and on again to operate. (In case of checking pipe temperature with outdoor control p.c. board, be sure to connect A-control service tool (PAC-SK52ST).) Temperature display of indoor condenser/ evaporator pipe Indoor 1 Temperature display of indoor condenser/ evaporator pipe Indoor 2  A-Control Service Tool SW2 setting
E4	**Remote controller signal receiving error** ① Abnormal if indoor control p.c. board can not receive normally any data from remote controller or from other indoor control p.c. board for three minutes. ② Indoor control p.c. board cannot receive any signal from remote controller for two minutes.	① Contact failure at transmission wire of remote controller ② All remote controllers are set as “sub” remote controller. In this case, E0 is displayed on remote controller, and E4 is displayed at outdoor LED. ③ Defective transmitting receiving circuit of remote controller ④ Defective transmitting receiving circuit of indoor control p.c. board ⑤ Noise has entered into the transmission wire of remote controller.	① Check disconnection or looseness of indoor unit or transmission wire of remote controller. ② Set one of the remote controllers “main”. If there is no problem with the action above. ③ Diagnose remote controllers. a) When “RC OK” is displayed, Remote controllers have no problem. Put the power off, and on again to check. If abnormality generates again, replace indoor control p.c. board. b) When “RC NG” is displayed, Replace remote controller. c) When “RC E3” is displayed, d) When “ERC 00-06” is displayed, ➜Noise may be causing abnormality. ※ If the unit is not normal after replacing indoor control p.c. board in group control, indoor control p.c. board of address “0” may be abnormal.
E5	**Remote controller transmitting error** ① Abnormal if indoor control p.c. board cannot check the blank of transmission path for three minutes. ② Abnormal if indoor control p.c. board cannot finish transmitting 30 times consecutively.	① Defective transmitting receiving circuit of indoor control p.c. board ② Noise has entered into the transmittion wire of remote controller.	①② Put the power off, and on again to check. If abnormality generates again, replace indoor control p.c. board.
E6	**Indoor/outdoor unit communication error (Signal receiving error)** ① Abnormal if indoor control p.c. board cannot receive any signal normally for six minutes after putting the power on. ② Abnormal if indoor control p.c. board cannot receive any signal normally for three minutes. ③ Consider the unit abnormal under the following condition: When two or more indoor units are connected to one outdoor unit, indoor control p.c. board cannot receive a signal for three minutes from outdoor control p.c. board, a signal which allows outdoor controller board to transmit signals.	① Contact failure, short circuit or, mis-wiring (converse wiring) of indoor/outdoor unit connecting wire ② Defective transmitting receiving circuit of indoor control p.c. board ③ Defective transmitting receiving circuit of indoor control p.c. board ④ Noise has entered into indoor/outdoor unit connecting wire.	※ Check LED display on outdoor control p.c. board. Refer to EA-EC item (on outdoor unit section) if LED displays EA-EC. ① Check disconnection or looseness of indoor/ outdoor unit connecting wire of indoor unit or outdoor unit. Check all the units in case of twin triple indoor unit system. ②-④ Put the power off, and on again to check. If abnormality generates again, replace indoor control p.c. board or outdoor control p.c. board. ※ Other indoor control p.c. board may have defect in case of twin triple indoor unit system.
E7	**Indoor/outdoor unit communication error (Transmitting error)** Abnormal if “1” receiving is detected 30 times continuously though indoor control p.c. board has transmitted “0”.	① Defective transmitting receiving circuit of indoor control p.c. board ② Noise has entered into power supply. ③ Noise has entered into outdoor control wire.	①-③ Put the power off, and on again to check. If abnormality generates again, replace indoor control p.c. board.

9-3. TROUBLE-SHOOTING BY INFERIOR PHENOMENA

Note: Refer to the manual of outdoor unit for the detail of remote controller.

Phenomena	Factor	Countermeasure
(1)LED2 on indoor control p.c. board is off.	• When LED1 on indoor control p.c. board is also off.	
	① Power supply of 220~240V is not supplied to outdoor unit.	① Check the voltage of outdoor power supply terminal block (L, N) • When AC 220~240V is not detected. Check the power wiring to outdoor unit and the breaker. • When AC 220~240V is detected. —Check ② (below).
	② Defective outdoor control p.c. board	② Check the voltage between outdoor terminal block S1 and S2. • When AC 220~240V is not detected. Check the fuse on outdoor control p.c. board (10A). Check the wiring connection. • When AC 220~240V is detected. —Check ③ (below).
	③ Power supply of 220~240V is not supplied to indoor unit.	③ Check the voltage between indoor terminal block S1 and S2. • When AC 220~240V is not detected. Check indoor/outdoor unit connecting wire for mis-wiring. • When AC 220~240V is detected. —Check ④ (below).
	④ Defective indoor power board	④ Check voltage output from CN2S on indoor power board (DC14V). • When no voltage is output. Check the fuse on power board. Check the wiring connection. • When output voltage is between 12.6V and 16V. —Check ⑤ (below).
	⑤ Defective indoor control p.c. board	⑤ Check the wiring connection between indoor control p.c. board and power board. If no problems are found, indoor control p.c. board is defective.
	• When LED1 on indoor control p.c. board is lit.	
	① Mis-setting of refrigerant address for outdoor unit (There is no unit corresponding to refrigerant address “0”.)	① Reconfirm the setting of refrigerant address for outdoor unit Set the refrigerant address to “0”. (For grouping control system under which 2 or more outdoor units are connected, set one of the units to “0”.) Set refrigerant address using SW1 (3-6) on outdoor control p.c. board.
(2)LED2 on indoor control p.c. board is blinking.	• When LED1 on indoor control p.c. board is also blinking. Connection failure of indoor/outdoor unit connecting wire • When LED1 is lit. Mis-wiring of remote controller wires Under twin triple indoor unit system, 2 or more indoor units are wired together.	Check indoor/outdoor unit connecting wire for connection failure. Check the connection of remote controller wires in case of twin triple indoor unit system. When 2 or more indoor units are wired in one refrigerant system, connect remote controller wires to one of those units.
	① Refrigerant address for outdoor unit is wrong or not set. Under grouping control system, there are some units whose refrigerant address is 0.	① Check the setting of refrigerant address in case of grouping control system. If there are some units whose refrigerant addresses are 0 in one group, set one of the units to 0 using SW1 (3-6) on outdoor control p.c. board.
	② Short-circuit of remote controller wires ③ Defective remote controller	②③ Remove remote controller wires and check LED2 on indoor control p.c. board. • When LED2 is blinking, check the short-circuit of remote controller wires. • When LED2 is lit, connect remote controller wires again and: if LED2 is blinking, remote controller is defective; if LED2 is lit, connection failure of remote controller terminal block etc. has returned to normal.

9-4. EMERGENCY OPERATION

9-4-1. When wired remote controller or indoor unit micro computer has trouble

1. If there is not any other item wrong when the trouble occures, emergency operation starts when the indoor control board switch (SWE) is set to ON.
   During the emergency operation the indoor unit is as follows;
   (1) Indoor fan high speed operation (2) Drain-up machine operation

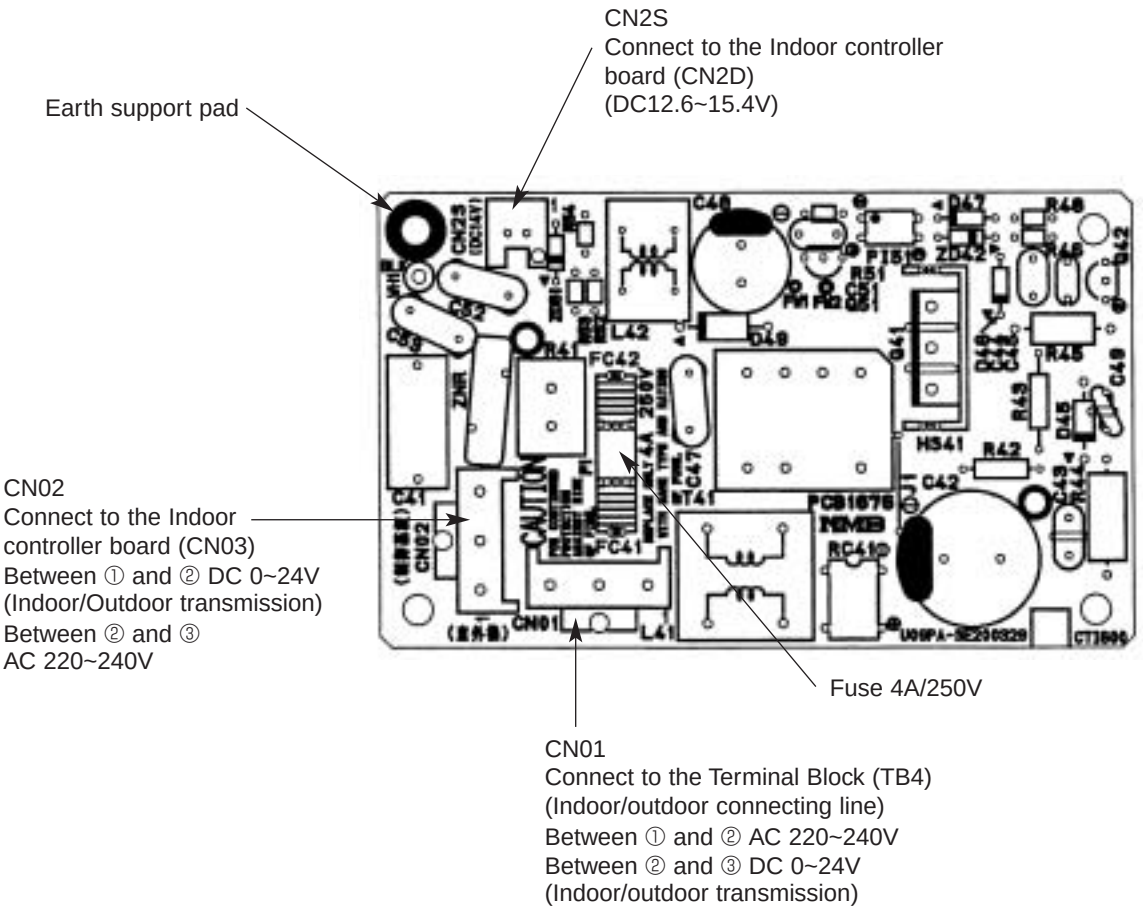
2. When emergency operating for COOLING or HEATING, setting of the switch (SWE) in the indoor control p.c.board and outdoor unit emergency operation are necessary.

3. Check items and notices as the emergency operation
   (1) Emergency operation cannot be used as follows;
   - When the outdoor unit has something wrong.
   - When the indoor fan has something wrong.
   - When drain over flow protected operation is detected during self-diagnosis. (Error code : P5)

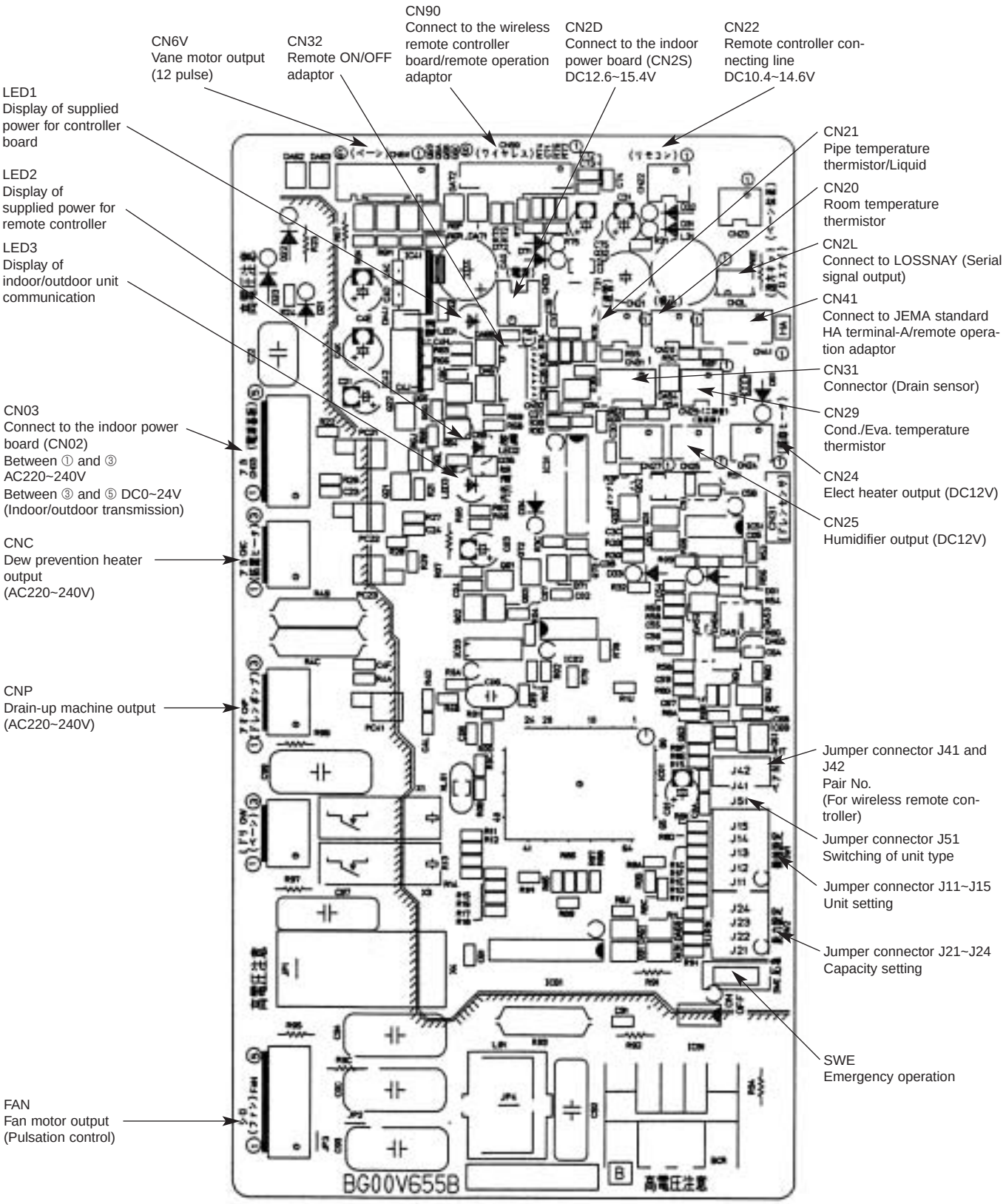
   (2) Emergency operation will be serial operation by the power supply ON/OFF.
   ON/OFF or temperature, etc. adjustment is not operated by the remote controller.
   (3) Do not operate for a long time as cold air is blown when the outdoor unit starts defrosting operation during heating emergency operation.
   (4) Cool emergency operation must be kept within 10 hours running at most, as it may cause heat exchanger frosting in the indoor unit.
   (5) After completing the emergency operation, return the switch setting, etc. in former state.
   (6) Since vane does not work at emergency operation, position the vane manually and slowly.

9-5. TEST POINT DIAGRAM

9-5-1. Power board



9-5-2. Controller board



9-6. FUNCTIONS OF JUMPER WIRE

Each function is controlled by the jumper wire on control p.c. board. For service parts, J11- J15 and J21-J24, DIP switches (SW1 and SW2) are equipped with jumper wire.

(Marks in the table below) Jumper wire (○ : Short × : Open)
DIP switch (○ : ON × : OFF)

<table>
<tr><th>Jumper wire</th><th>Functions</th><th>Open/short of jumper wire</th><th>Remarks</th></tr>
<tr><td>J11~J15
(SW1)</td><td>Model
settings</td><td>Models : PEAD-RP1.6~6
<table><tr><td></td><td>J11</td><td>J12</td><td>J13</td><td>J14</td><td>J15</td></tr><tr><td>Heater-less</td><td>×</td><td>○</td><td>×</td><td>×</td><td>×</td></tr></table></td><td></td></tr>
<tr><td>J21~J24
(SW2)</td><td>Capacity
settings</td><td><table><tr><td>Models</td><td>J21</td><td>J22</td><td>J23</td><td>J24</td></tr><tr><td>RP1.6</td><td>○</td><td>○</td><td>×</td><td>×</td></tr><tr><td>RP2</td><td>○</td><td>×</td><td>○</td><td>×</td></tr><tr><td>RP2.5</td><td>○</td><td>○</td><td>○</td><td>×</td></tr><tr><td>RP3</td><td>○</td><td>×</td><td>×</td><td>○</td></tr><tr><td>RP4</td><td>×</td><td>×</td><td>○</td><td>○</td></tr><tr><td>RP5</td><td>×</td><td>○</td><td>○</td><td>○</td></tr><tr><td>RP6</td><td>○</td><td>○</td><td>○</td><td>○</td></tr></table></td><td></td></tr>
</table>

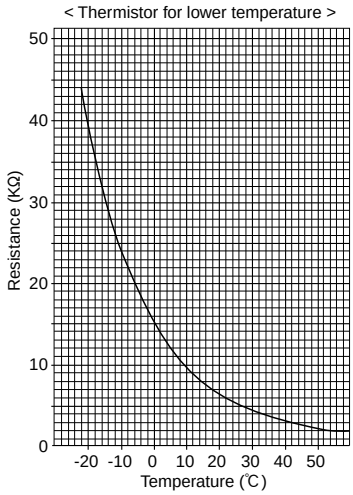
9-7. HOW TO CHECK THE PARTS

<table>
<tr><th>Parts name</th><th>Check points</th></tr>
<tr><td>Room temperature thermistor (TH1)
Pipe temperature thermistor (TH2)
Condenser/Evaporator temperature thermistor (TH5)</td><td>Disconnect the connector then measure the resistance using a tester.
(Surrounding temperature 10℃~30℃)
<table><tr><th>Normal</th><th>Abnormal</th></tr><tr><td>4.3kΩ~9.6kΩ</td><td>Open or short</td></tr></table>(Refer to the thermistor)</td></tr>
</table>

<Thermistor Characteristic graph>

Thermistor for lower temperature

Room temperature thermistor(TH1)
Pipe temperature thermistor(TH2)
Condenser/evaporator temperature thermistor(TH5)



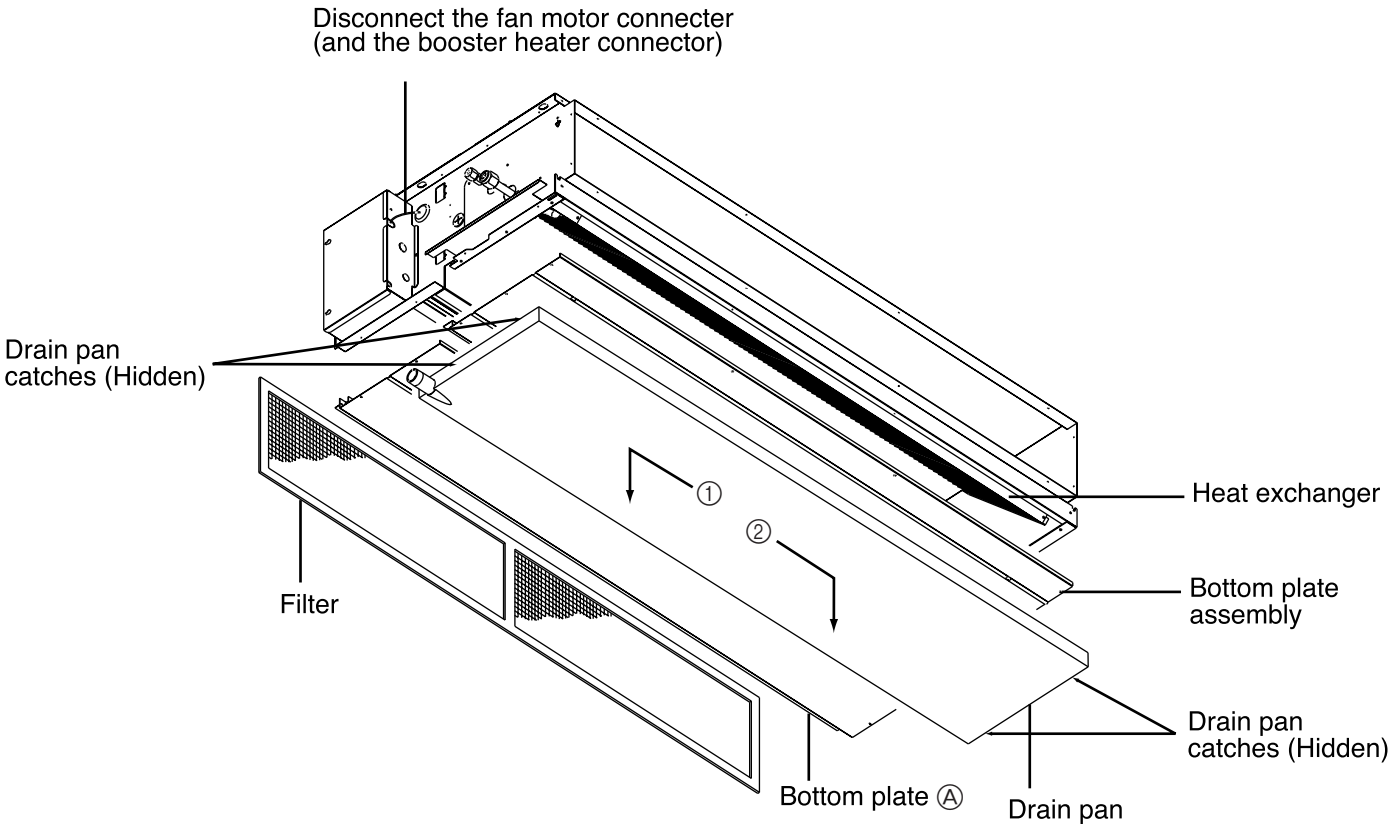
Thermistor R_0=15kΩ ± 3%
Fixed number of B=3480kΩ ± 2%

$$Rt=15\exp\{3480(\frac{1}{273+t}-\frac{1}{273})\}$$

0℃	15kΩ
10℃	9.6kΩ
20℃	6.3kΩ
25℃	5.2kΩ
30℃	4.3kΩ
40℃	3.0kΩ

10 DISASSEMBLY INSTRUCTIONS

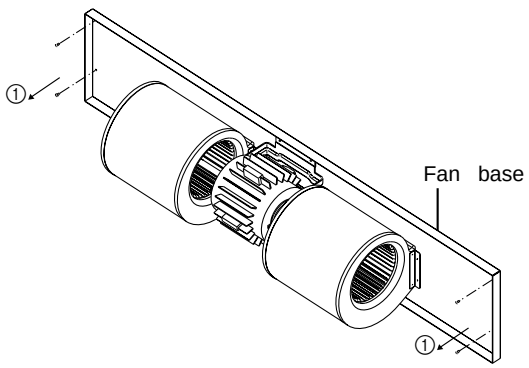
Figure1.



1. Removing the fan motor

1. Remove the 9 screws that fix the bottom plate Ⓐ, and remove it.
2. Removing the drain pan as follows:
   (1) Remove the screw that fix the drain pan.
   (2) Slide the drain pan in the direction ①, Figure1 and unhook the drain pan catch near the drain pipe.
   (3) Slide the drain pan in the direction ②, Figure1 and unhook the 2 catches on the other side of the drain pipe.
3. Remove the 8 screws that fix the bottom plate assembly, and remove it.
4. Disconnect the fan motor connector from the controller box.
5. Remove the fan base plate as follow:

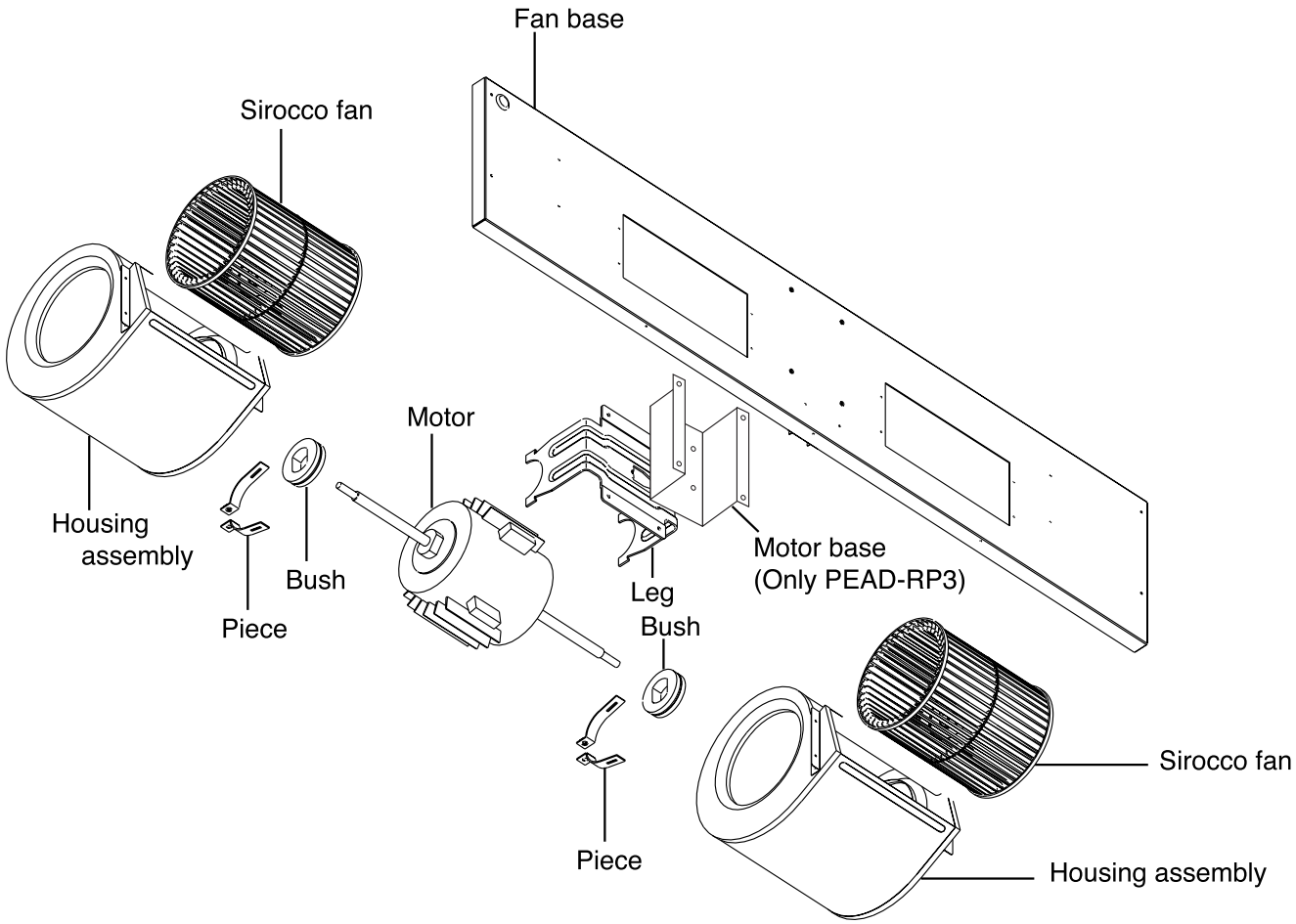
Figure2.



   (1) Remove the 4 screws①
   (2) Slide down the fan base plate to remove.

6. Remove the sirocco fan setting screw and the motor fixture setting screw to remove the motor fixture.
   Remove the other motor fixture as well, and then remove the fan motor. (Figure 3)

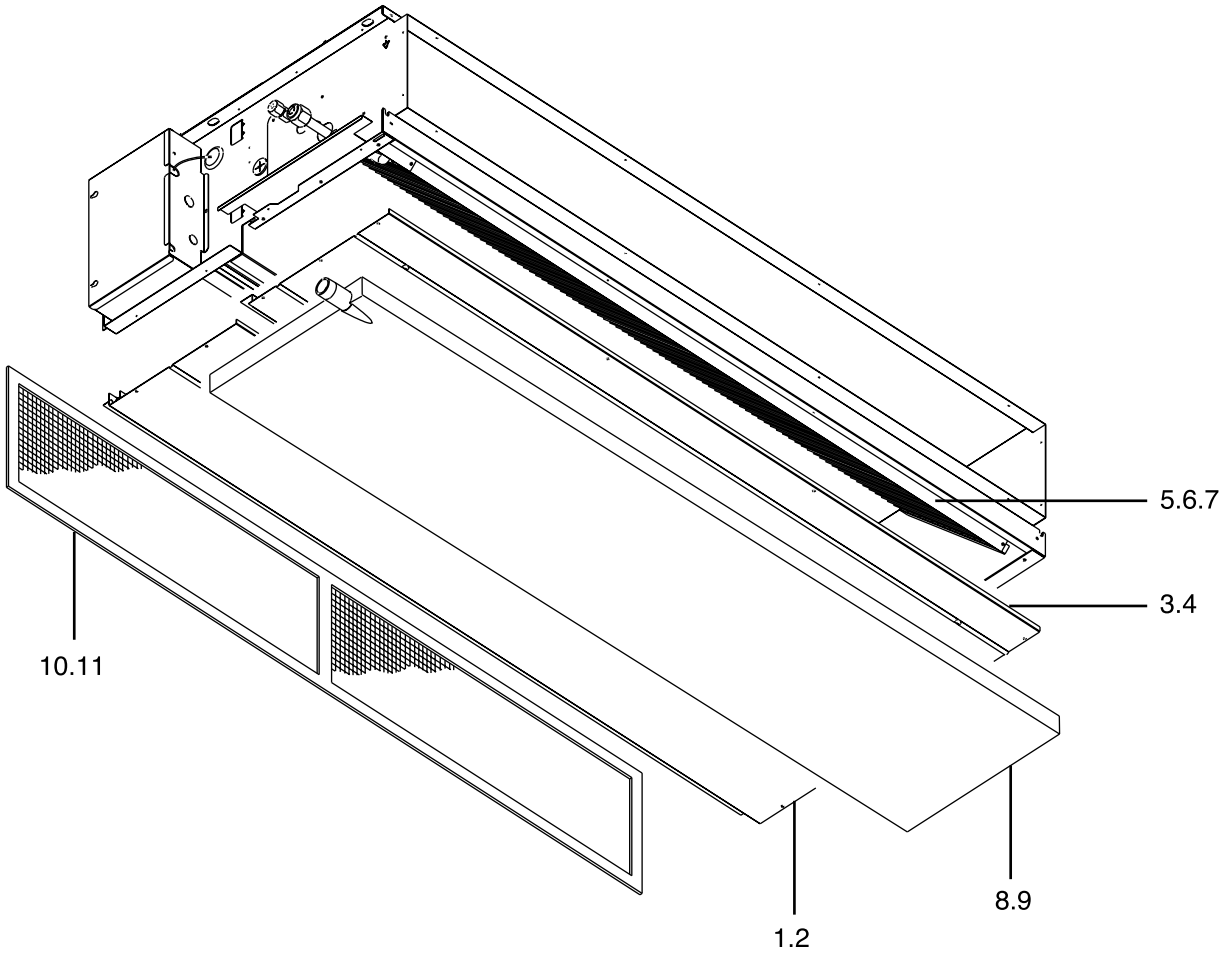
Figure3.


Fan base
Sirocco fan
Motor
Housing
assembly
Bush
Piece
Leg
Motor base
(Only PEAD-RP3)
Bush
Piece
Sirocco fan
Housing assembly

11 PARTS LIST

PEAD-RP1.6EA, PEAD-RP2EA, PEAD-RP2.5EA,

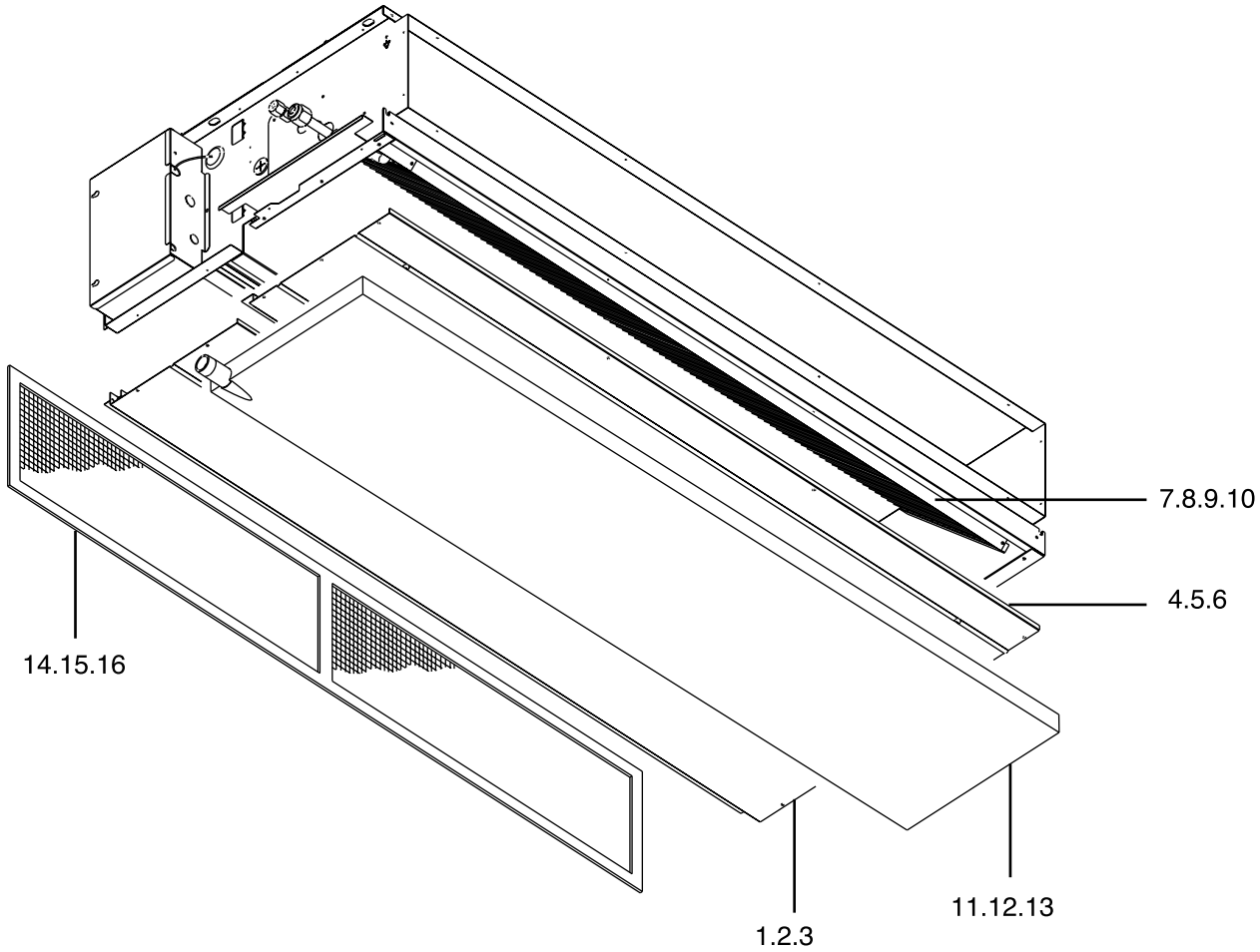
EXTERNAL PARTS



No.	Part No.	Part Name	Drawing No.	Qt'y/set				Spec.
				PEAD-RP1.6EA	PEAD-RP2EA	PEAD-RP2.5EA		
1	S70 031 669	Bottom plate 1	W638939Z04	1	1			
2	S70 011 669	Bottom plate 1	W638917Z04			1		
3	S70 081 669	Bottom plate 2 ass'y	W638940G03	1	1			
4	S70 091 669	Bottom plate 2 ass'y	W638918G03			1		
5	S70 R20 480	H.EX.General ass'y	W268527G03	1				
6	S70 R35 480	H.EX.General ass'y	W268527G04		1			
7	S70 R22 480	H.EX.General ass'y	W268527G05			1		
8	S70 011 529	Drain pan ass'y	W638942G01	1	1			
9	S70 021 529	Drain pan ass'y	W638920G01			1		
10	S70 021 500	Filter	W645496G02	1	1			
11	S70 031 501	Filter	W645496G03			1		

PEAD-RP3EA1, PEAD-RP4EA1,
PEAD-RP5EA1, PEAD-RP6EA1

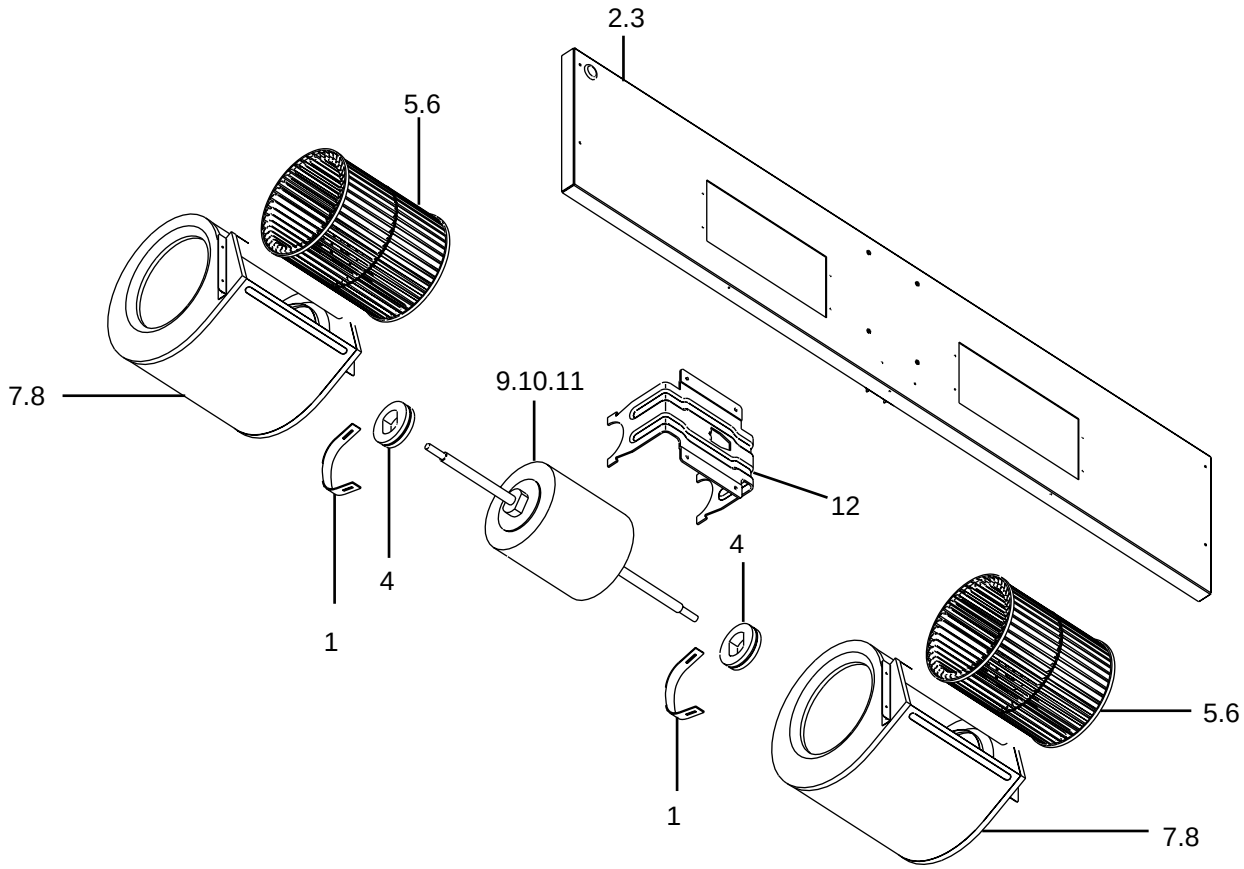
EXTERNAL PARTS



No.	Part No.	Part Name	Drawing No.	Qt'y/set				Spec.
				PEAD-RP3EA1	PEAD-RP4EA1	PEAD-RP5EA1	PEAD-RP6EA1	
1	S70 041 669	Bottom plate 1	W634050Z01	1				
2	S70 042 669	Bottom plate 1	W634028Z01		1	1		
3	S70 040 669	Bottom plate 1	W631101Z04				1	
4	S70 051 669	Bottom plate 2 ass'y	W634052G01	1				
5	S70 052 669	Bottom plate 2 ass'y	W634030G01		1	1		
6	S70 050 669	Bottom plate 2 ass'y	W631188G02				1	
7	S70 032 480	H.EX.General ass'y	W268528G01	1				
8	S70 R36 480	H.EX.General ass'y	W268528G04		1			
9	S70 R37 480	H.EX.General ass'y	W268528G05			1		
10	S70 R38 480	H.EX.General ass'y	W268529G02				1	
11	S70 050 529	Drain pan ass'y	W634056G01	1				
12	S70 060 529	Drain pan ass'y	W634034G01		1	1		
13	S70 040 529	Drain pan ass'y	W631186G01				1	
14	S70 050 500	Filter	W645497G01	1				
15	S70 040 500	Filter	W645497G02		1	1		
16	S70 010 500	Filter	W645497G03				1	

PEAD-RP1.6EA, PEAD-RP2EA, PEAD-RP2.5EA,

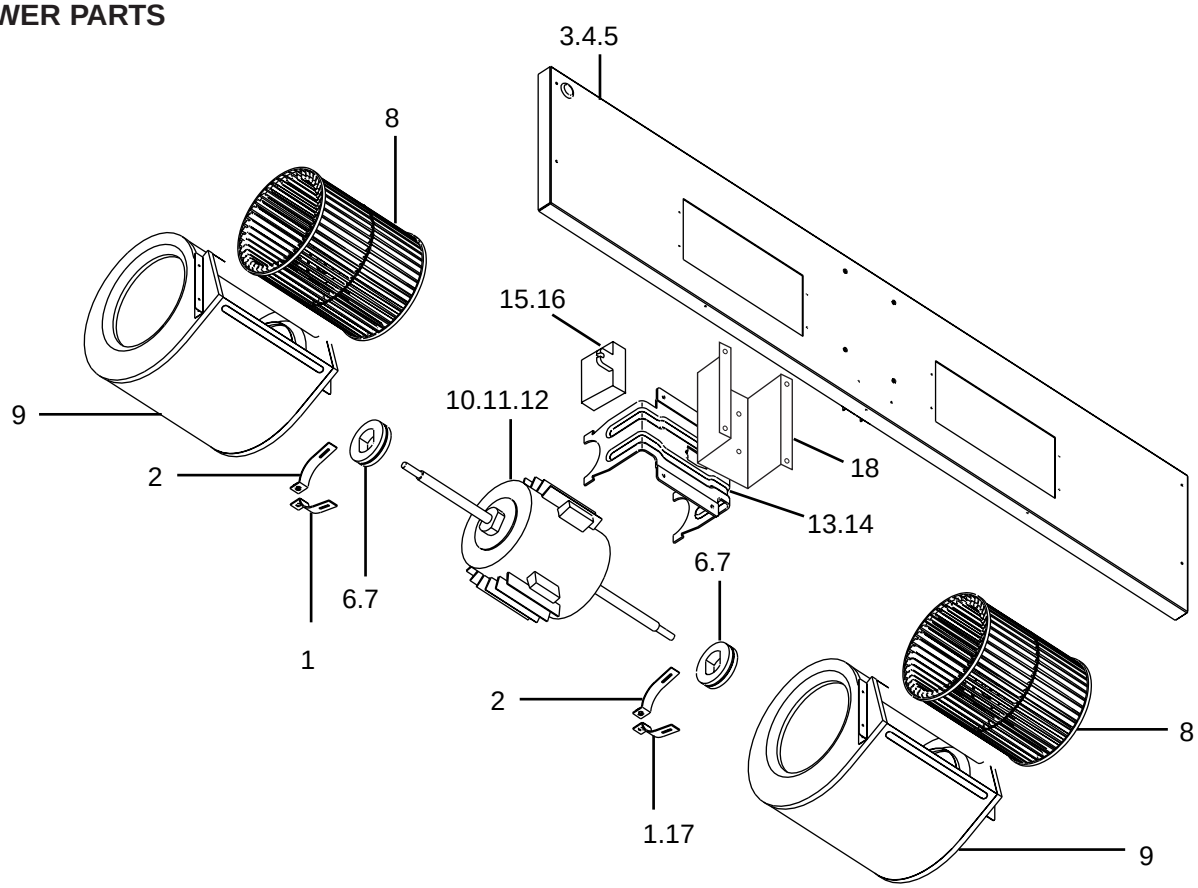
BLOWER PARTS



No.	Part No.	Part Name	Drawing No.	Qt'y/set				
				PEAD-RP1.6EA	PEAD-RP2EA	PEAD-RP2.5EA		
1	S70 652 131	Attachment	W353715H01	2	2	2		
2	S70 051 677	Fan base ass'y	W638932G03	1	1			
3	S70 061 677	Fan base ass'y	W638905G03			1		
4	S70 922 105	Bush	W818836H01	2	2	2		
5	S70 A88 114	Sirocco fan	W122296G02	2	2			
6	S70 A89 114	Sirocco fan	W122297G02			2		
7	S70 989 110	Housing ass'y	W638949G03	2	2			
8	S70 985 110	Housing ass'y	W638949G04			2		
9	S70 Y57 220	Motor	P714315X02	1				<MF>
10	S70 Y58 220	Motor	P714316X02		1			<MF>
11	S70 Y56 220	Motor	P714774X01			1		<MF>
12	S70 652 130	Motor support	W241060H03	1	1	1		

PEAD-RP3EA1, PEAD-RP4EA1,
PEAD-RP5EA1, PEAD-RP6EA1

BLOWER PARTS

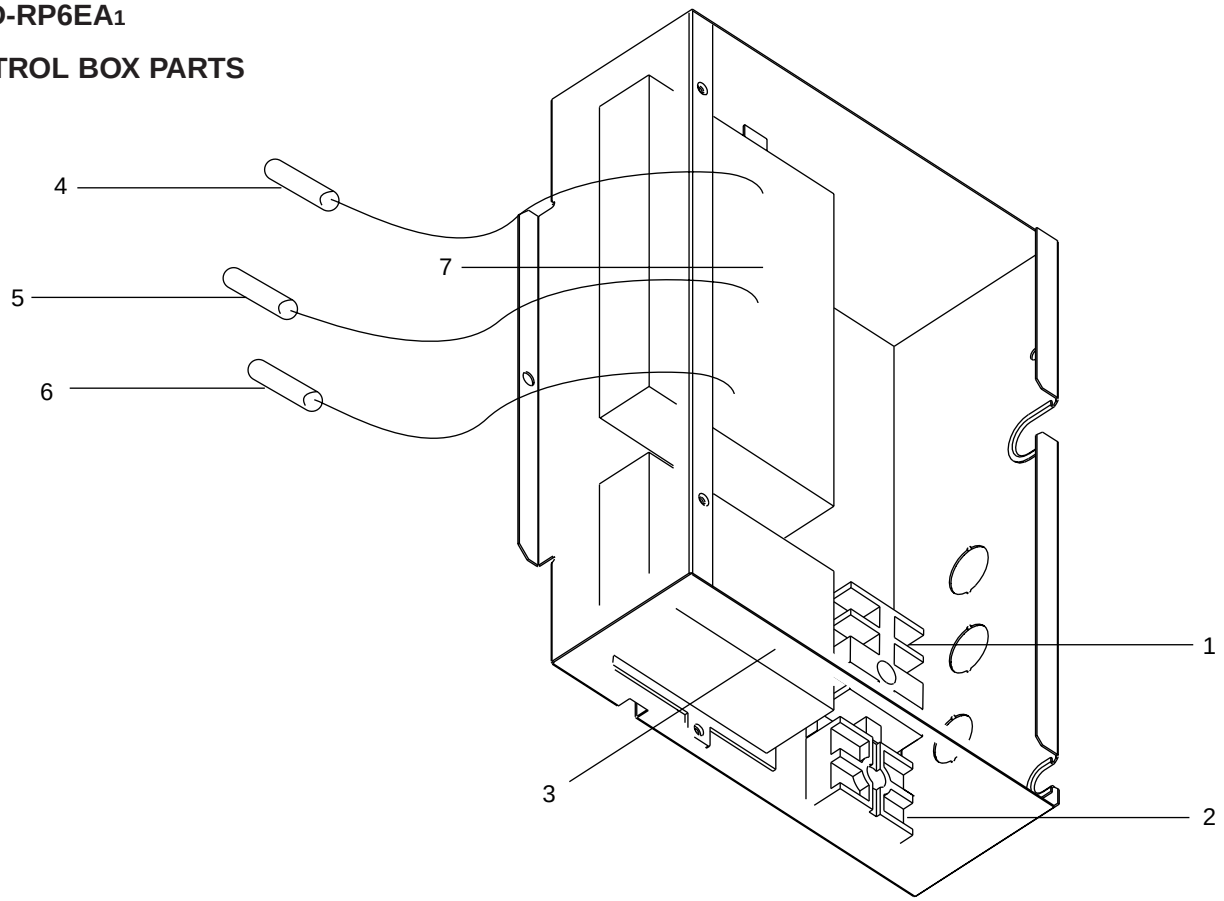


No.	Part No.	Part Name	Drawing No.	Qt'y/set				
				PEAD-RP3EA1	PEAD-RP4EA1	PEAD-RP5EA1	PEAD-RP6EA1	
1	S70 508 131	Piece	R02K338H02		2	2	2	
2	S70 508 132	Piece	R02K338G82		2	2	2	with a nut
3	S70 073 677	Fan base ass'y	W634058G02	1				
4	S70 072 677	Fan base ass'y	W634036G02		1	1		
5	S70 070 677	Fan base ass'y	W631187G02				1	
6	S70 766 105	Bush	W491760H02	2				
7	S70 Y01 105	Bush	W860050H02		2	2	2	
8	S70 Y07 114	Sirocco fan	W631126G02	2	2	2	2	20-25L
9	S70 001 110	Housing ass'y	W631120G02	2	2	2	2	
10	S70 Y15 220	Motor	P714661X01	1				<MF>150W,1Phase 220~ 240V
11	S70 Y16 220	Motor	P714941X01		1			<MF>240W,1Phase 220~ 240V
12	S70 Y17 220	Motor	P714940X01			1	1	<MF>270W,1Phase 220~ 240V
13	S70 652 130	Motor support	W241060H03	1				
14	S70 Y08 130	Leg	W631122Z04		1	1	1	
15	S70 010 255	Capacitor 6	P412172X01		1			< C >
16	S70 020 255	Capacitor 16	P412223X01			2	2	< C >
✻ 17	S70 652 131	Attachment	W353715H01	2				
18	S70 090 130	Motor base	W634069Z02	1				

✻: Not illustrated

PEAD-RP1.6EA, PEAD-RP2EA, PEAD-RP2.5EA,
PEAD-RP3EA1, PEAD-RP4EA1, PEAD-RP5EA1,
PEAD-RP6EA1

CONTROL BOX PARTS

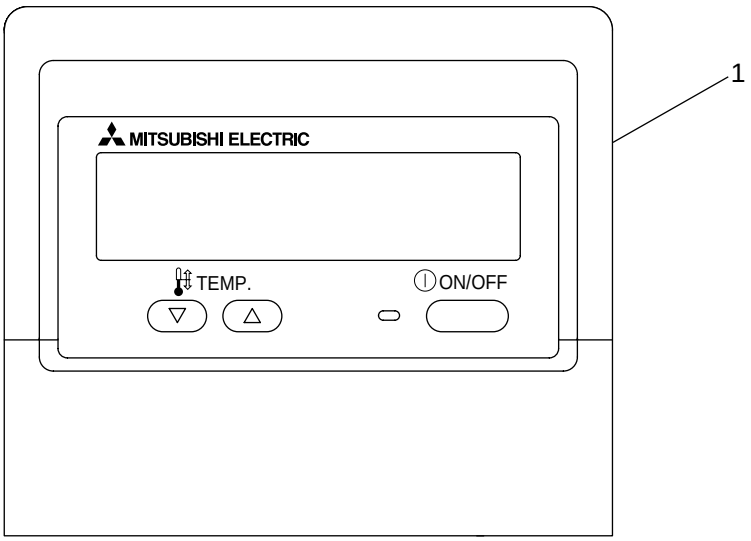


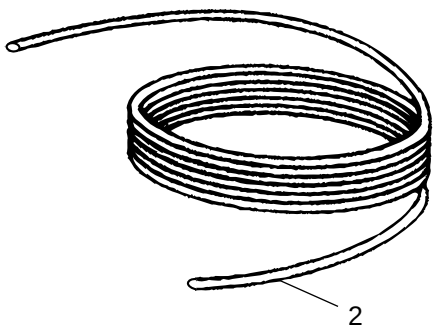
No.	Part No.	Part Name	Drawing No.	Qt'y/set				Spec.
				PEAD-P1.6EA	PEAD-P2EA	PEAD-P2.5EA		
1	S70 979 717	Terminal bed	P436110X01	1	1	1		< TB4 >
2	S70 435 717	Terminal bed	BA73S950H02	1	1	1		< TB5 >
3	S70 E00 313	P.W.B DENGEN-E	P718898X01	1	1	1		
4	S70 070 202	Thermistor	P425455X01	1	1	1		< T H1>
5	S70 080 202	Thermistor	P425459X02	1	1	1		< TH2 >
6	S70 090 202	Thermistor	P425458X02	1	1	1		< TH5 >
7	S70 203 310	SPCB	BG00V680BB9	1	1	1		

No.	Part No.	Part Name	Drawing No.	Qt'y/set				Spec.
				PEAD-RP3EA1	PEAD-RP4EA1	PEAD-RP5EA1	PEAD-RP6EA1	
1	S70 979 317	Terminal bed	P436110X01	1	1	1	1	< TB4 >
2	S70 435 717	Terminal bed	BA73S950H02	1	1	1	1	< TB5 >
3	S70 E00 313	P.W.B DENGEN-E	P718898X01	1	1	1	1	
4	S70 070 202	Thermistor	P425455X01	1	1	1	1	< T H1>
5	S70 080 202	Thermistor	P425459X02	1	1	1	1	< TH2 >
6	S70 090 202	Thermistor	P425458X02	1	1	1	1	< TH5 >
7	S70 203 310	SPCB	BG00V680BB9	1	1	1	1	

PEAD-RP1.6EA, PEAD-RP2EA, PEAD-RP2.5EA,
PEAD-RP3EA1, PEAD-RP4EA1, PEAD-RP5EA1,
PEAD-RP6EA1

ELECTRICAL PARTS





No.	Part No.	Part Name	Drawing No.	Qt'y/set				Spec.
				PEAD-RP1.6EA	PEAD-RP2EA	PEAD-RP2.5EA		
1	S70 030 713	Remote controller	W267102G60	1	1	1		MA Remo-con
2	S70 030 305	Remote controller cable	W873334G05	1	1	1		10 m

No.	Part No.	Part Name	Drawing No.	Qt'y/set				Spec.
				PEAD-RP3EA1	PEAD-RP4EA1	PEAD-RP5EA1	PEAD-RP6EA1	
1	S70 030 713	Remote controller	W267102G60	1	1	1	1	MA Remo-con
2	S70 030 305	Remote controller cable	W873334G05	1	1	1	1	10 m

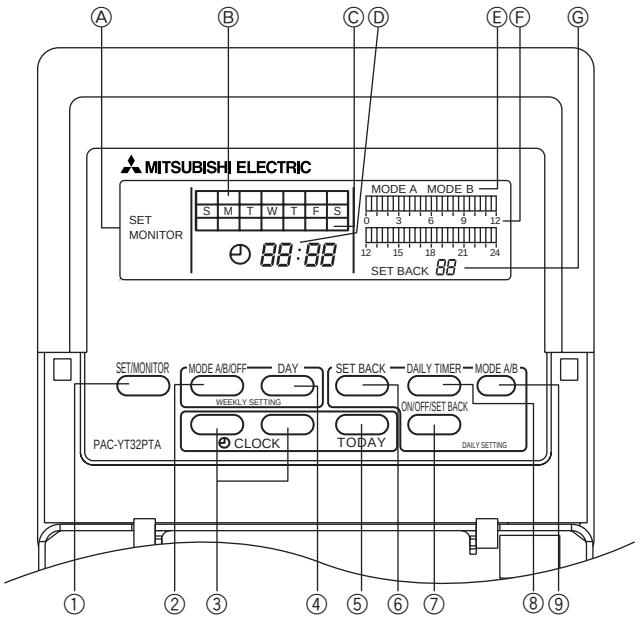
12 OPTIONAL PARTS

1. PROGRAM TIMER

Part No.	PAC-YT32PTA

1-1. Names and functions

<PAC-YT32PTA>



Ⓐ SET/MONITOR DISPLAY:
When SET is displayed, clock adjustment, change of day, and daily and weekly timer settings can be performed. When MONITOR is displayed, all switches except SET/MONITOR SW are invalidated. This is normal status.

Ⓑ WEEKLY TIMER SETTING DISPLAY:
Used to select whether the operation pattern set using the PATTERN SETTING can be applied to different days of the week.

Ⓒ CURRENT DAY DISPLAY:
Indicates the current day.

Ⓓ CURRENT TIMEDISPLAY:
During MONITORstatus, current time is display.
During daily timer setting, a time desire for timer setting is displayed.

Ⓔ OPERATION MODE DISPLAY:
Indicates the operation mode.

Ⓕ DAILY TIMER SETTING DISPLAY:
24 hours is divided into 48 blocks and each block is expressed in 30 minutes.
The block display consists of 3 patterns.

Ⓖ SET BACK DISPLAY
Indicates the set back value.

① SET/MONITOR Button
Using this switch, select “MONITOR” or “SET” Mode.
“MONITOR”: Indicates the current timer setting. All switches expect MODE SELECTOR SW are invalidated then. This is the normal status.
“SET”: Set to “SET” mode for clock adjustment, change of day and daily and weekly timer settings.

② MODE A/B/OFF Button
Used for setting timer in day of week unit.

③ CLOCK ADJUSTMENT Button
Used for adjustment of the current time.
Push [▲] SW to advance the time. Each time the button is pushed the time advances by 1 minute, pushing continuously advances by 1 minute at 0.5 second intervals, and when the lower digit of the minute becomes “0” the time advances in 10 minute units.
[▼] SW is used for reversing the time. Each time the button is pushed the time reverses by 1 minute, pushing continuously reverses the time by 1 minute at 0.5 second intervals, and when the lower digit of the minute becomes “0” the time reverses in 10 minute units.

④ DAY SETTING Button
Used when setting the day.

⑤ WEEK DAY SETTING Button
Used for week day setting.
Pushing [▶] SW moves the week day light display in order of S⟶M⟶T⟶W⟶... enabling to set the week day.

⑥ SET BACK SETTING Button
Used for set back setting.
Set back can be done in the range of 1, 2, 4, 6 and 8°C (2, 4, 8, 12 and 16°F).

⑦ ON/OFF/SET BACK Button
Used to specify the time setting pattern.

⑧ DAILY TIMER Button
Used for timer setting in 30 minute units.

⑨ MODE A/B Button
Used to set A Mode or B Mode when specifying the operation time.

2. REMOTE SENSOR

Part No.	PAC-SE41TS-E
Applied model	PEAD-RP1.6,2,2.5EA , PEAD-RP3,4,5,6EA1

3. REMOTE OPERATION ADAPTER

Part No.	PAC-SF40RM-E
Applied model	PEAD-RP1.6,2,2.5EA , PEAD-RP3,4,5,6EA1

4. REMOTE ON/OFF ADAPTER

Part No.	PAC-SE55RA-E
Applied model	PEAD-RP1.6,2,2.5EA , PEAD-RP3,4,5,6EA1

5. OPTIONAL MOTOR

The external static pressure of 130Pa allows long ducts to be used more extensively to enable the most convenient positioning of indoor units.

Part No.	PAC-SK005MT-F	PAC-SK004MT-F	PAC-SK003MT-F
Applied model	PEAD-RP3EA1	PEAD-RP4EA1	PEAD-RP5,6EA1

6. DRAIN WATER LIFT-UP MECHANISM

This allows more versatility when selecting drain piping layouts.

Part No.	PAC-KE03DM-F
Applied model	PEAD-RP1.6,2,2.5EA , PEAD-RP3,4,5,6EA1

Mr.SLIM™

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