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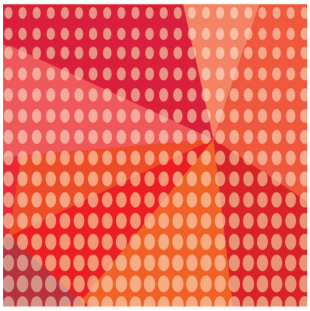
AIR CONDITIONING SYSTEMS

CITY MULTI









DATA BOOK

MODEL

PEFY-P-NMHU-E-OA

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PEFY-P- NMHU-E-OA

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1. SPECIFICATIONS

Model				PEFY-P36NMHU-E-OA	PEFY-P48NMHU-E-OA	PEFY-P72NMHU-E-OA	PEFY-P96NMHU-E-OA
Power source				1-phase 208/230 V 60 Hz	1-phase 208/230 V 60 Hz	1-phase 208/230 V 60 Hz	1-phase 208/230 V 60 Hz
Cooling capacity		*1	BTU/h	36,000	48,000	72,000	96,000
		*1	kW	10.5	14.1	21.1	28.1
	*2	Power input	kW	0.130	0.180	0.220	0.320
(208 V)	*2	Current input	A	1.25	1.59	1.86	2.56
Temp. range of cooling				17.2°CD.B. ~ 47.7°CD.B. 63°FD.B. ~ 118°FD.B. Thermo-off (FAN-mode) automatically starts if the outdoor temperature is lower than 63°F (17.2°C)D.B. The fan speed automatically runs at a very low speed if the outdoor temperature is higher than 109°F (42.8°C)D.B.			
Heating capacity		*3	BTU/h	21,000	28,000	43,000	57,000
		*3	kW	6.2	8.2	12.6	16.7
	*2	Power input	kW	0.140	0.200	0.240	0.330
(208 V)	*2	Current input	A	1.09	1.46	1.70	2.42
Temp. range of heating				-10°CD.B. ~ 15°CD.B. 14°FD.B. ~ 59°FD.B. Thermo-off (FAN-mode) automatically starts if the outdoor temperature is higher than 59°F (15.0°C)D.B.			
External finish				Galvanized	Galvanized	Galvanized	Galvanized
External dimension H x W x D			inch	15 x 47-1/16 x 35-7/16	15 x 47-1/16 x 35-7/16	18-9/16 x 49-1/4 x 44-1/8	18-9/16 x 49-1/4 x 44-1/8
			mm	380 x 1,195 x 900	380 x 1,195 x 900	470 x 1,250 x 1,120	470 x 1,250 x 1,120
Net weight			lbs (kg)	109 (49)	109 (49)	177 (80)	183 (83)
Heat exchanger				Cross fin (Aluminium fin and copper tube)	Cross fin (Aluminium fin and copper tube)	Cross fin (Aluminium fin and copper tube)	Cross fin (Aluminium fin and copper tube)
FAN		Type x Quantity		Sirocco fan x 1	Sirocco fan x 1	Sirocco fan x 2	Sirocco fan x 2
		External	in.WG	<0.60> - 0.80 - <1.00>	<0.60> - 0.80 - <1.00>	<0.60> - 0.80 - <1.00>	<0.60> - 0.80 - <1.00>
	*4, 5	static press.	Pa	<150> - 200 - <250>	<150> - 200 - <250>	<150> - 200 - <250>	<150> - 200 - <250>
		Motor Type		DC motor	DC motor	DC motor	DC motor
		Motor output	kW	0.244	0.244	0.375	0.375
		Driving mechanism		Direct-driven by motor	Direct-driven by motor	Direct-driven by motor	Direct-driven by motor
	*5	Air flow rate		(Low-Mid-High)	(Low-Mid-High)	(Low-Mid-High)	(Low-Mid-High)
			cfm	350 - 400 - 450	500 - 550 - 600	700 - 800 - 900	1,000 - 1,100 - 1,200
			m^3/min	9.9 - 11.3 - 12.7	14.2 - 15.6 - 17.0	19.8 - 22.7 - 25.5	28.3 - 31.1 - 34.0
			L/s	165 - 188 - 212	237 - 260 - 283	330 - 378 - 425	472 - 518 - 567
	*6	Air flow rate	cfm	320	420	700	790
		(Very low)	m^3/min	9.1	11.9	19.8	22.4
			L/s	152	198	330	373
Sound pressure level (measured in anechoic room)				(Low-Mid-High)	(Low-Mid-High)	(Low-Mid-High)	(Low-Mid-High)
			dB <A>	35-38-40	38-40-41	34-38-42	39-41-44
Air filter				Field supply	Field supply	Field supply	Field supply
Diameter of refrigerant pipe	Liquid	(R410A)	inch (mm)	3/8 (9.52)Brazed	3/8 (9.52)Brazed	3/8 (9.52)Brazed	3/8 (9.52)Brazed
	Gas	(R410A)	inch (mm)	5/8 (15.88)Brazed	5/8 (15.88)Brazed	3/4 (19.05)Brazed	7/8 (22.22)Brazed
Field drain pipe size			inch (mm)	O.D.1-1/4 (32) x2	O.D.1-1/4 (32) x2	O.D.1-1/4 (32) x2	O.D.1-1/4 (32) x2
Remarks				Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual. Systems with considerably long pipe runs, in heating mode, may be subject to slightly louder than normal noise from the outdoor unit/s.			

Notes:

1. Cooling capacity indicates the maximum value at operation under the following condition.
   Cooling: Indoor 91°F (32.7°C)DB/82°F (27.8°C)WB, Outdoor 91°F (32.7°C)DB.
   The set temperature of the remote controller is 63°F (17.2°C).
2. The values are measured at the factory setting of external static pressure.
3. Heating capacity indicates the maximum value at operation under the following condition.
   Heating: Indoor 32°F (0°C)DB/27°F (-2.9°C)WB, Outdoor 32°F (0°C)DB/27°F (-2.9°C)WB.
   The set temperature of the remote controller is 77°F (25°C).
4. The factory setting of external static pressure is shown without < >.
   Refer to "Fan characteristics curves", according to the external static pressure, in DATA BOOK for the usable range of air flow rate.
5. If the airflow rate is over the usable range, dew drop can be caused from the air outlet and the air flow rate is changed automatically because of the output down by the fan motor control. If the air flow rate is less than the usable range, condensation from the unit surface can be caused.
6. The very low mode is not selectable from the remote controller. The unit will automatically operate in the very low mode when the outside temperature exceeds 109°F (42.8°C) in the Cooling mode or drops below 14°F (-10°C) in the Heating mode.

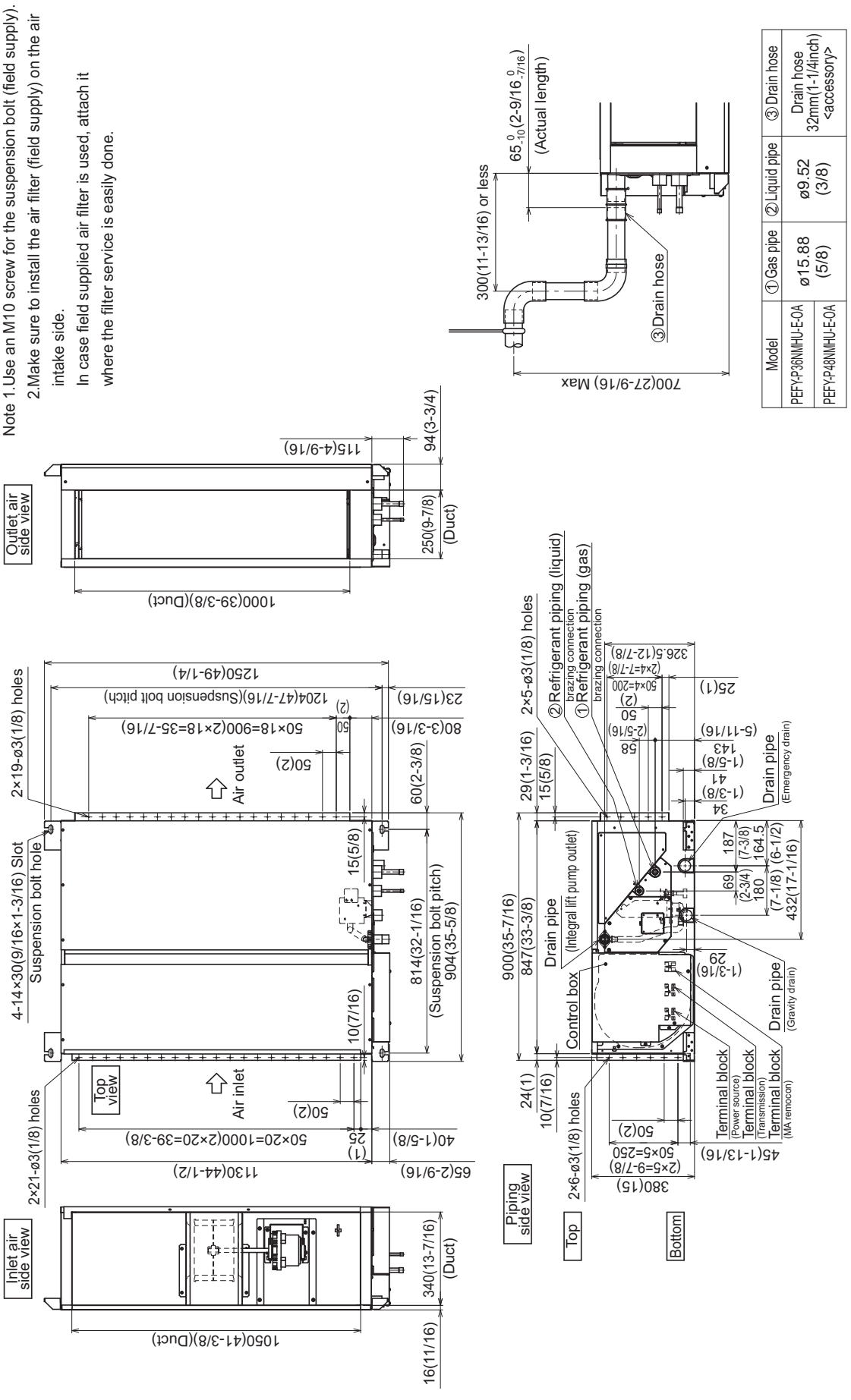
- The combination of fresh air intake type indoor units with other types of indoor units that handle internal thermal load may cause the conflict of operation mode. It is not recommended when fresh air intake type indoor unit is connected to the Y or WY series.
- Depending on the air conditioning load, outside temperature, and due to the activation of protection functions, the desired preset temperature may not always be achieved and the discharge temperature may swing. Note that untreated outside air may be delivered directly into the room upon the activation of protection functions.
- Fresh air intake type indoor units cannot be connected to PUMY and cannot be connected to an outdoor unit together with PWFY series.
- The maximum connectable indoor units to 1 outdoor unit are 110% (100% in case of heating below 23°F (-5°C)).
- When fresh air intake type indoor units connect to an outdoor unit together with other types of indoor unit, the total capacity of fresh air intake type indoor units needs to be 30% or less of the connected outdoor unit capacity.
- The AUTO mode on the local remote controller is available only when fresh air intake type indoor unit is connected to the R2 or WR2 series of outdoor unit.
- The system changeover function is available only when all the connected indoor units are fresh air intake type indoor units.
- The fan temporary stops during defrost.
- The cooling and heating capacities are the maximum capacities that were obtained by operating in the above air conditions and with a refrigerant pipe of about 25 ft (7.5 m) and a level difference of 0 m.
- The actual capacity characteristics vary with the combination of indoor and outdoor units. See the technical information in DATA BOOK for the details.
- Thermo off (Fan) operation automatically starts either when temperature is lower than 63°F (17.2°C)DB in cooling mode or when the temperature exceeds 59°F (15.0°C)DB in heating mode.
- Dry mode is not available.
- Un-conditioned outdoor air such as humid air or cold air blows to the indoor during thermo off operation.
  Please be careful when positioning indoor unit air outlet grilles, ie take the necessary precautions for cold air, and also insulate rooms for dew condensation prevention as required.
- Air filter must be installed in the air intake side. The filter should be attached where easy maintenance is possible in case of usage of field supply filters.
- Before switching ducts by using a damper, be sure to bring the indoor unit to a stop to prevent malfunction.
  Make sure to set the static pressure in all ducts within the range specified in the P-Q line diagram in the DATA BOOK.
- This indoor unit does not interlock with an electric heater.
- Regarding P96NMHU-E-OA, the low notch air flow rate is different from the spec value when the external static pressure setting is set to 150Pa.
  See Fan characterics curves in DATA BOOK for the details.

Unit converter	
kcal	=kW x 860
BTU/h	=kW x 3,412
cfm	=m^3/min x 35.31
lbs	=kg/0.4536

*Above specification data is subject to rounding variation.

PEFY-P36, 48NMHU-E-OA

Unit: mm (in.)



[Maintenance access space]
Secure enough access space to allow for the maintenance,inspection,and replacement of the motor,fan,heat exchanger, drain pan and control box in one of the following ways.
Select an installation site for the indoor unit so that it's maintenance access space will not be obstructed by beam or other objects.

Create access door 1(450×450mm)(17-3/4×17-3/4inch) for the maintenance from the unit side when the thermistor,LEV and control box is exchanged.(Fig.2,4)

(1) When a space of 300mm(11-13/16inch) or more is available below the unit between the unit and the ceiling.
Create access door 2(600×600mm)(23-5/8×23-5/8inch) for the maintenance from the bottom when the motor,fan,heat exchanger and drain pan is cleaned(exchanged).(Fig.2)
(2) When a space of less than 300mm(11-13/16inch) is available below the unit between the unit and the ceiling.
(At least 20mm(13/16inch) of space should be left below the unit as shown in Fig.3.)
Create access door 3 for the maintenance from the bottom when the motor,fan,heat exchanger and drain pan is cleaned(exchanged).(Fig.4)

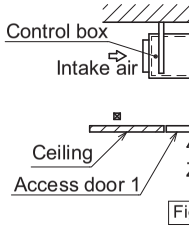


Fig.1

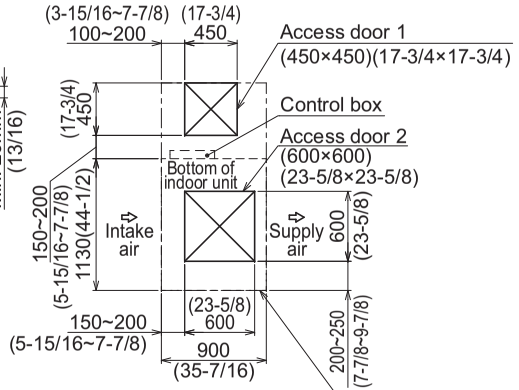


Fig.2 (Viewed from the direction of the arrow Z)

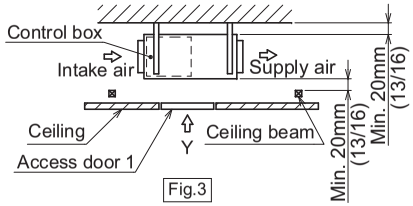


Fig.3

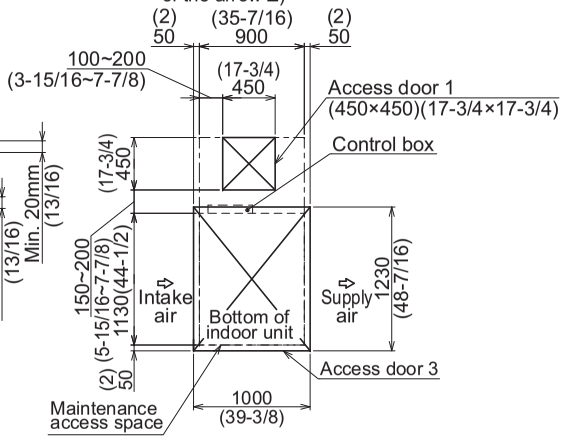
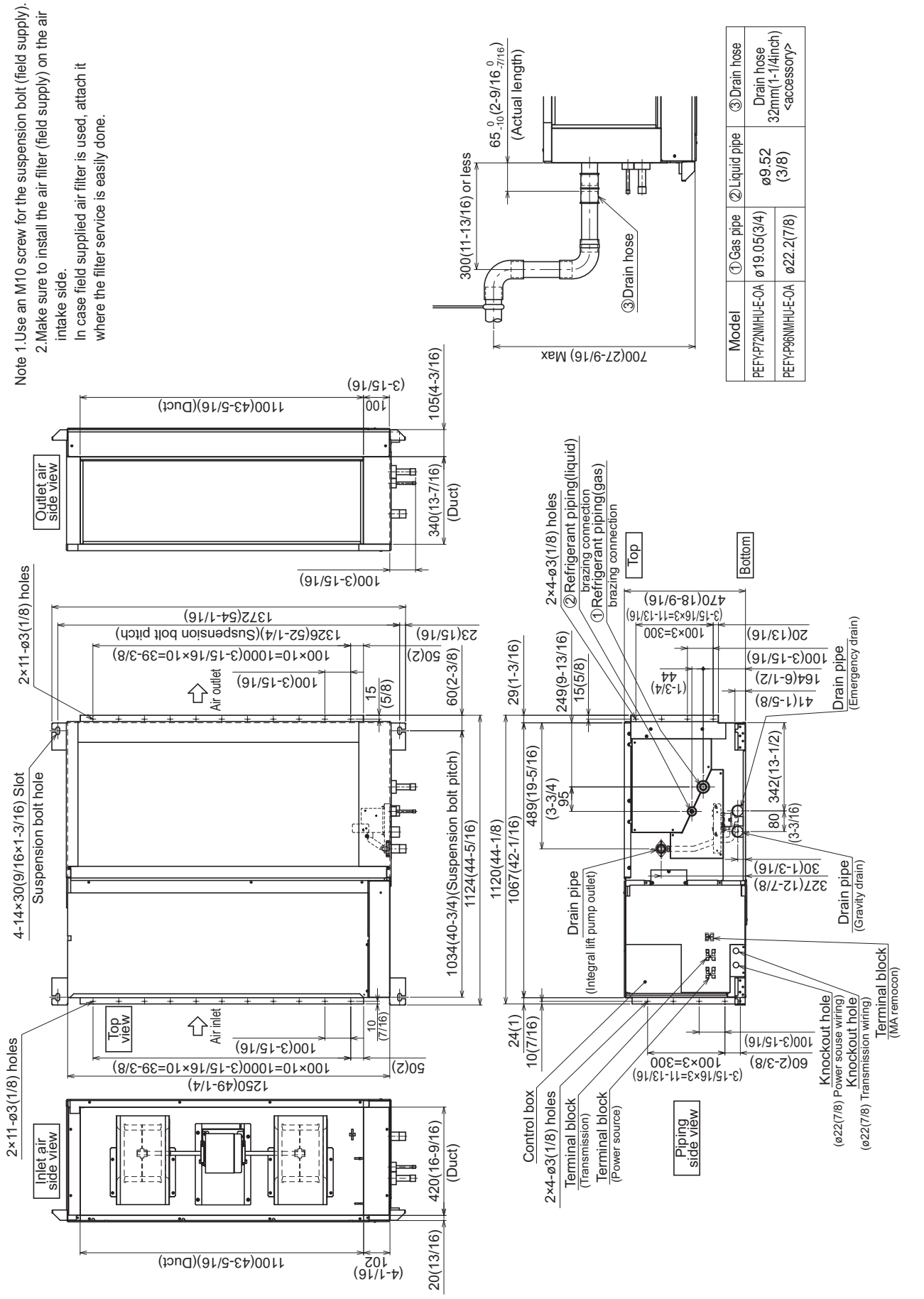


Fig.4 (Viewed from the direction of the arrow Y)

Unit: mm (in.)

PEFY-P72, 96NMHU-E-OA

Unit: mm (in.)



PEFY-P72, 96NMHU-E-OA

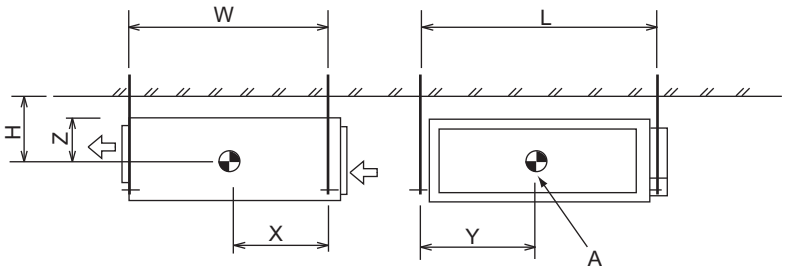
Unit: mm (in.)

[Maintenance access space]
Secure enough access space to allow for the maintenance,inspection,and replacement of the motor,fan,heat exchanger, drain pan and control box in one of the following ways.
Select an installation site for the indoor unit so that it's maintenance access space will not be obstructed by beam or other objects.

Create access door 1(450×450mm)(17-3/4×17-3/4inch) for the maintenance from the unit side when the thermistor,LEV and control box is exchanged.(Fig.2,4)

(1) When a space of 500mm(19-11/16inch) or more is available below the unit between the unit and the ceiling.
Create access door 2(600×600mm)(23-5/8×23-5/8inch) for the maintenance from the bottom when the motor,fan,heat exchanger and drain pan is cleaned(exchanged).(Fig.2)
(2) When a space of less than 500mm(19-11/16inch) is available below the unit between the unit and the ceiling.
(At least 20mm(13/16inch) of space should be left below the unit as shown in Fig.3.)
Create access door 3 for the maintenance from the bottom when the motor,fan,heat exchanger and drain pan is cleaned(exchanged).(Fig.4)

PEFY-P36, 48, 72, 96NMHU-E-OA

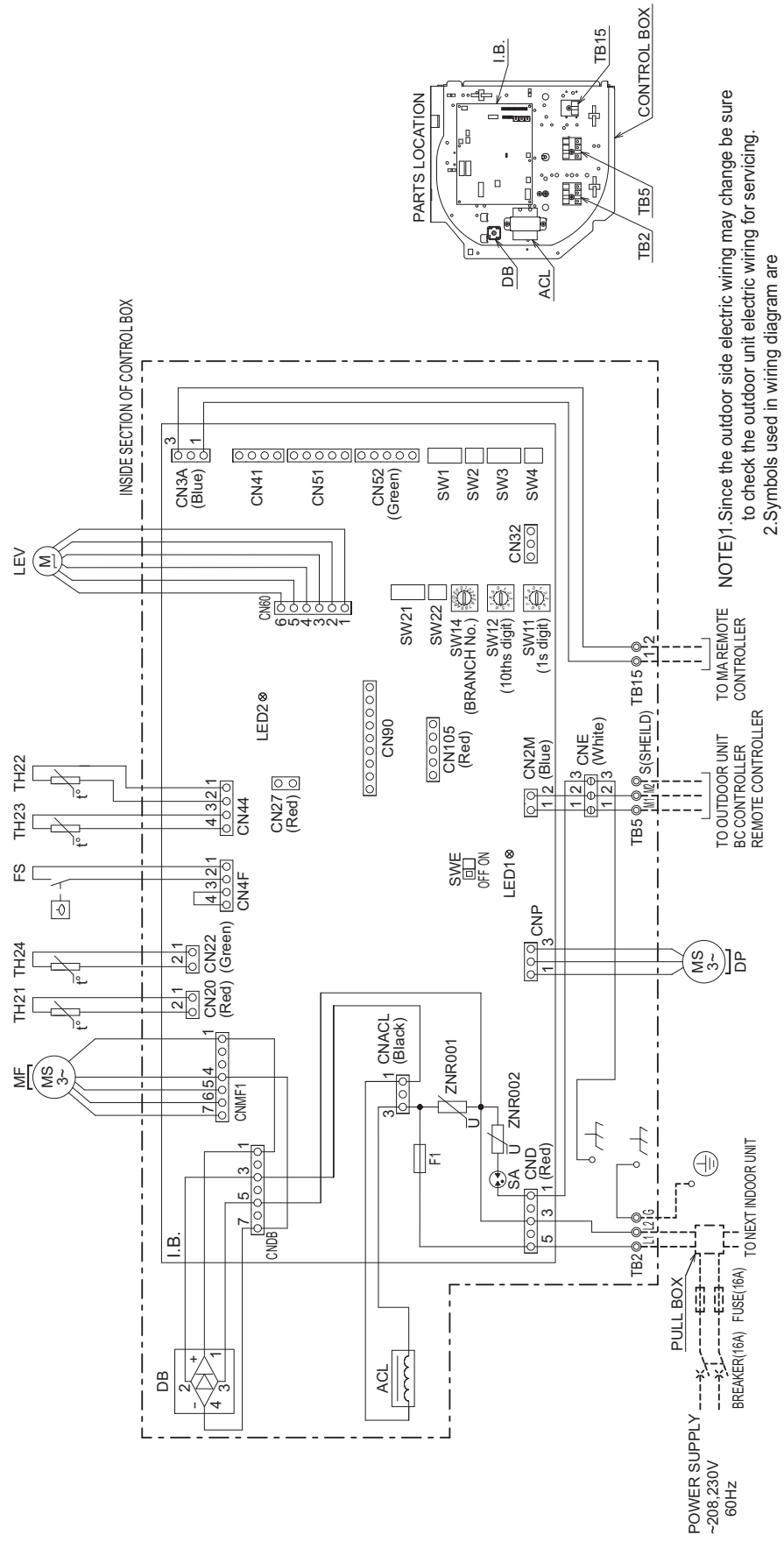


A: Center of gravity

(mm) [in]

Model name	W	L	H	X	Y	Z
PEFY-P36NMHU-E-OA	814 [32-1/16]	1204 [47-7/16]	210 [8-5/16]	364 [14-3/8]	649 [25-9/16]	190 [7-1/2]
PEFY-P48NMHU-E-OA	814 [32-1/16]	1204 [47-7/16]	210 [8-5/16]	364 [14-3/8]	649 [25-9/16]	190 [7-1/2]
PEFY-P72NMHU-E-OA	1034 [40-3/4]	1326 [52-1/4]	255 [10-1/16]	462 [18-1/4]	660 [26]	235 [9-5/16]
PEFY-P96NMHU-E-OA	1034 [40-3/4]	1326 [52-1/4]	255 [10-1/16]	462 [18-1/4]	660 [26]	235 [9-5/16]

PEFY-P36, 48NMHU-E-OA



NOTE)1.Since the outdoor side electric wiring may change be sure to check the outdoor unit electric wiring for servicing.
2.Symbols used in wiring diagram are
○ ○ ○ :Connector, □ :Terminal,
– – – – – – (Heavy dotted line):Field wiring,
3.Have all electric work done by a licensed electrician according to the local regulations.
4.Earth leakage circuit breaker should be set up on the wiring of the power supply.
5.To perform a drainage test for the drain pump turn on the SWE on the control board while the indoor unit is being powered.
*Be sure to turn off the SWE after completing a drainage test or test run.
6.Use copper supply wires.

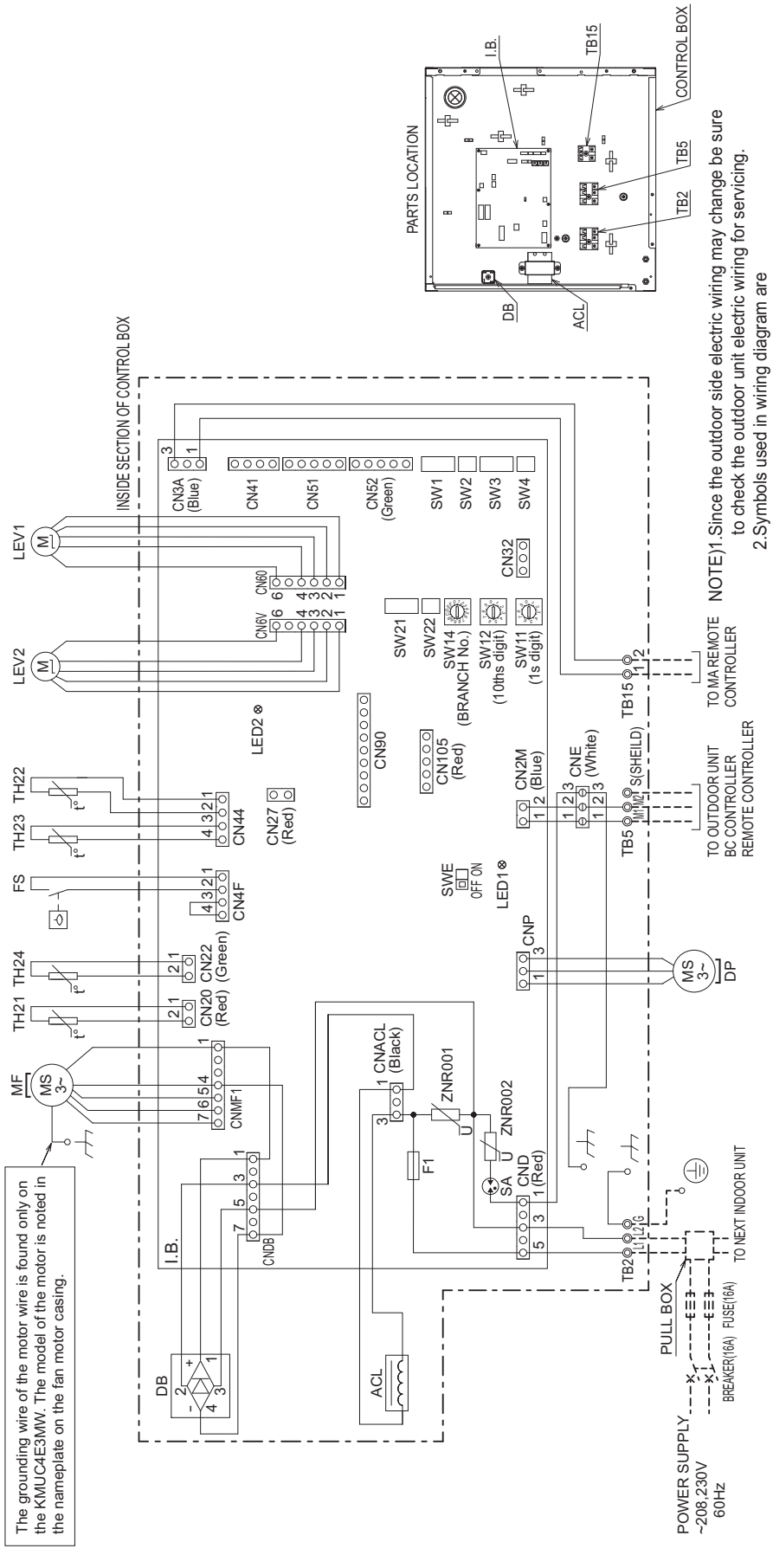
SYMBOL EXPLANATION

SYMBOL	NAME
ACL	AC reactor(Power factor improvement)
DB	Diode Bridge
DP	Drain Pump
FS	Float switch
MF	Fan Motor
LEV	Electrical linear expansion valve
TB2	Power source terminal block
TB5	Transmission terminal block
TB15	Transmission terminal block
TH21	Thermistor (outlet air temp. detection)
TH22	Thermistor (piping temp.detection/liquid)
TH23	Thermistor (piping temp.detection/gas)
TH24	Thermistor (inlet air temp. detection)

SYMBOL	NAME
I.B.	Indoor controller board
SA	Arrester
F1	Fuse AC250V 6.3A
ZNR001,002	Varistor
CN27	Connector (Damper output)
CN32	Connector (Remote switch)
CN41	Connector (HA terminal-A)
CN51	Connector (Centrally control)
CN52	Connector (Remote indication)
CN90	Connector (Wireless)
CN105	Connector (IT terminal)
SW1	Switch (for mode selection)

SYMBOL	NAME
I.B.	Indoor controller board
SW2	Switch (for capacity code)
SW3	Switch (for mode selection)
SW4	Switch (for model selection)
SW11	Switch (1s digit address set)
SW12	Switch (10ths digit address set)
SW14	Switch (BRANCH No.)
SW21	Switch (for static pressure selection)
SW22	Switch (Wireless pair No.)
SWE	Connector (emergency operation)
LED1	LED(Power supply)
LED2	LED(Remote controller supply)

PEFY-P72, 96NMHU-E-OA



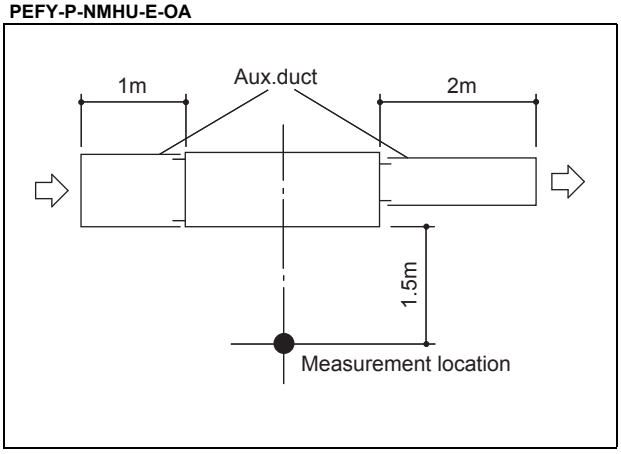
NOTE)1.Since the outdoor side electric wiring may change be sure to check the outdoor unit electric wiring for servicing.
2.Symbols used in wiring diagram are
○ ○ ○ Connector, □ :Terminal,
------ (Heavy dotted line):Field wiring,
3.Have all electric work done by a licensed electrician according to the local regulations.
4.Earth leakage circuit breaker should be set up on the wiring of the power supply.
5.To perform a drainage test for the drain pump turn on the SWE on the control board while the indoor unit is being powered.
*Be sure to turn off the SWE after completing a drainage test or test run.
6.Use copper supply wires.

SYMBOL EXPLANATION

SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
ACL	AC reactor(Power factor improvement)	I.B.	Indoor controller board	I.B.	Indoor controller board
DB	Diode Bridge	SA	Arrester	SW2	Switch (for capacity code)
DP	Drain Pump	F1	Fuse AC250V 6.3A	SW3	Switch (for mode selection)
FS	Float switch	ZNR001,002	Varistor	SW4	Switch (for model selection)
MF	Fan Motor	CN27	Connector (Damper output)	SW11	Switch (1s digit address set)
LEV1,LEV2	Electrical linear expansion valve	CN32	Connector (Remote switch)	SW12	Switch (10ths digit address set)
TB2	Power source terminal block	CN41	Connector (HA terminal-A)	SW14	Switch (BRANCH No.)
TB5	Transmission terminal block	CN51	Connector (Centrally control)	SW21	Switch (for static pressure selection)
TB15	Transmission terminal block	CN52	Connector (Remote indication)	SW22	Switch (Wireless pair No.)
TH21	Thermistor (outlet air temp. detection)	CN90	Connector (Wireless)	SWE	Connector (emergency operation)
TH22	Thermistor (piping temp.detection/liquid)	CN105	Connector (IT terminal)	LED1	LED(Power supply)
TH23	Thermistor (piping temp.detection/gas)	SW1	Switch (for mode selection)	LED2	LED(Remote controller supply)
TH24	Thermistor (inlet air temp. detection)				

5-1. Sound levels

PEFY-P-NMHU-E-OA



*Measured in anechoic room.

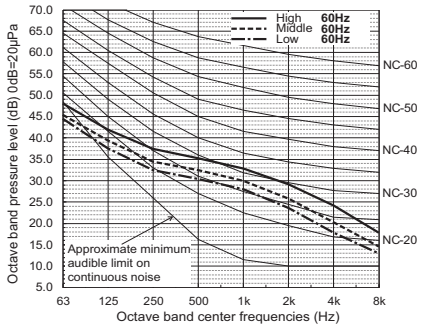
Sound level at anechoic room: Low-Mid-High

	Sound level dB (A)		
	150Pa [0.60 in.WG]	200Pa [0.80 in.WG]	250Pa [1.00 in.WG]
PEFY-P36NMHU-E-OA	33-35-38	35-38-40	37-39-42
PEFY-P48NMHU-E-OA	35-37-39	38-40-41	40-42-44
PEFY-P72NMHU-E-OA	31-34-37	34-38-42	36-41-43
PEFY-P96NMHU-E-OA	38-39-42	39-41-44	41-43-45

5-2. NC curves

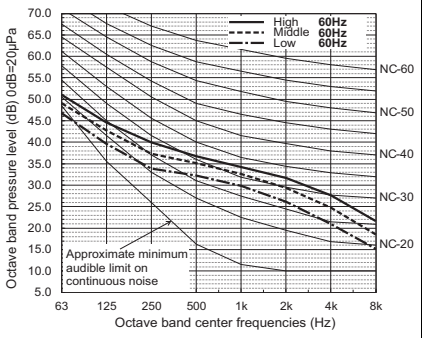
PEFY-P36NMHU-E-OA

External Static Pressure: 150Pa [0.60in.WG]
Power Source: 208/230V, 60Hz



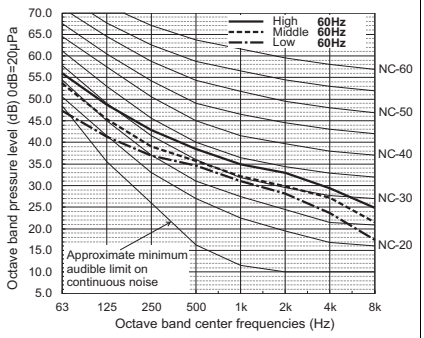
PEFY-P36NMHU-E-OA

External Static Pressure: 200Pa [0.80in.WG]
Power Source: 208/230V, 60Hz



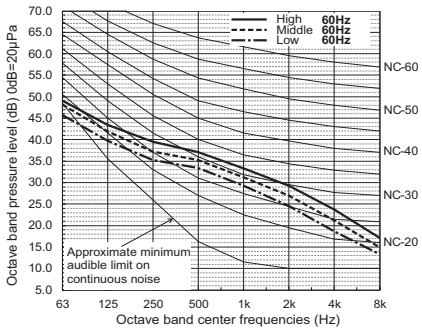
PEFY-P36NMHU-E-OA

External Static Pressure: 250Pa [1.00in.WG]
Power Source: 208/230V, 60Hz



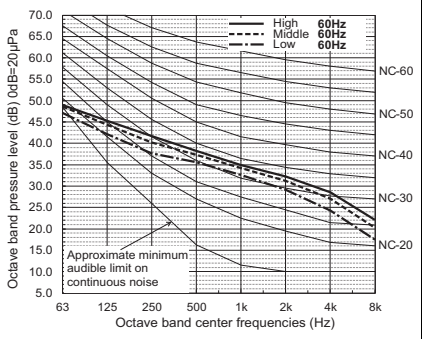
PEFY-P48NMHU-E-OA

External Static Pressure: 150Pa [0.60in.WG]
Power Source: 208/230V, 60Hz



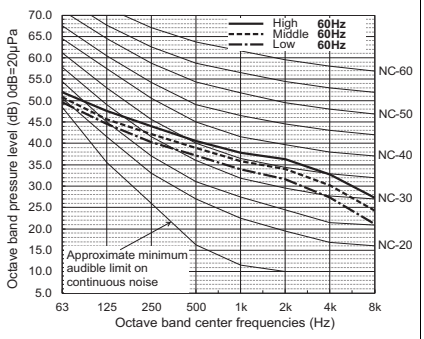
PEFY-P48NMHU-E-OA

External Static Pressure: 200Pa [0.80in.WG]
Power Source: 208/230V, 60Hz



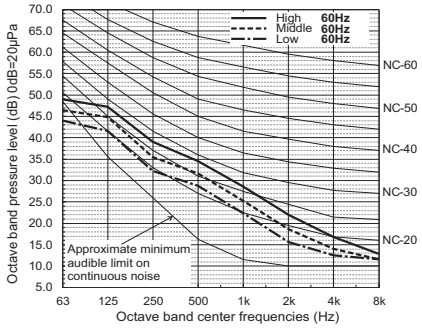
PEFY-P48NMHU-E-OA

External Static Pressure: 250Pa [1.00in.WG]
Power Source: 208/230V, 60Hz



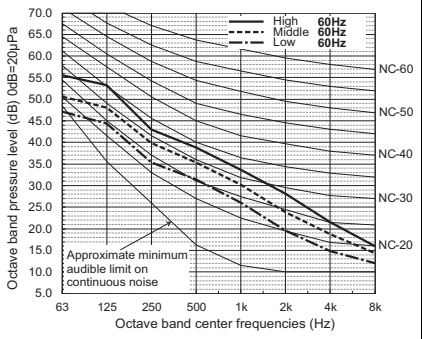
PEFY-P72NMHU-E-OA

External Static Pressure: 150Pa [0.60in.WG]
Power Source: 208/230V, 60Hz



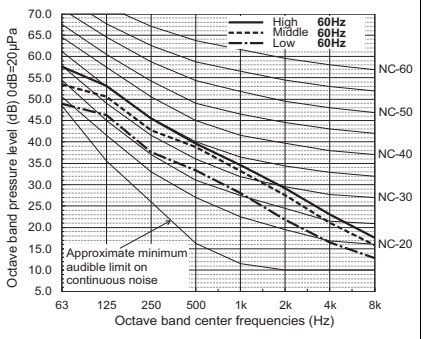
PEFY-P72NMHU-E-OA

External Static Pressure: 200Pa [0.80in.WG]
Power Source: 208/230V, 60Hz



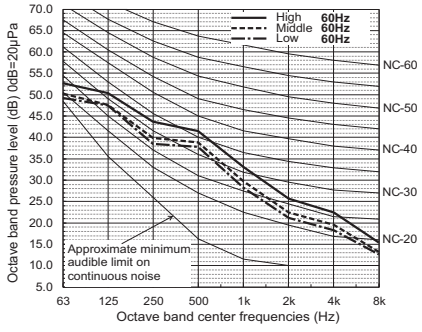
PEFY-P72NMHU-E-OA

External Static Pressure: 250Pa [1.00in.WG]
Power Source: 208/230V, 60Hz



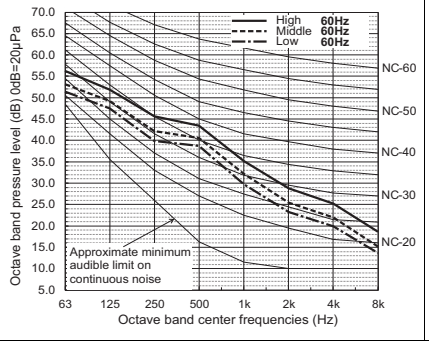
PEFY-P96NMHU-E-OA

External Static Pressure: 150Pa [0.60in.WG]
Power Source: 208/230V, 60Hz



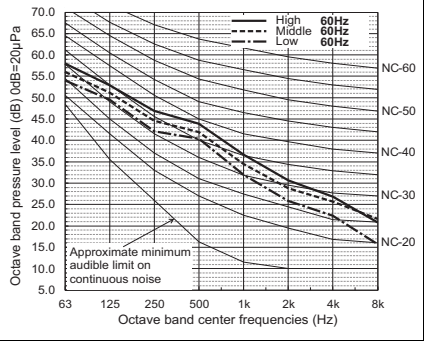
PEFY-P96NMHU-E-OA

External Static Pressure: 200Pa [0.80in.WG]
Power Source: 208/230V, 60Hz

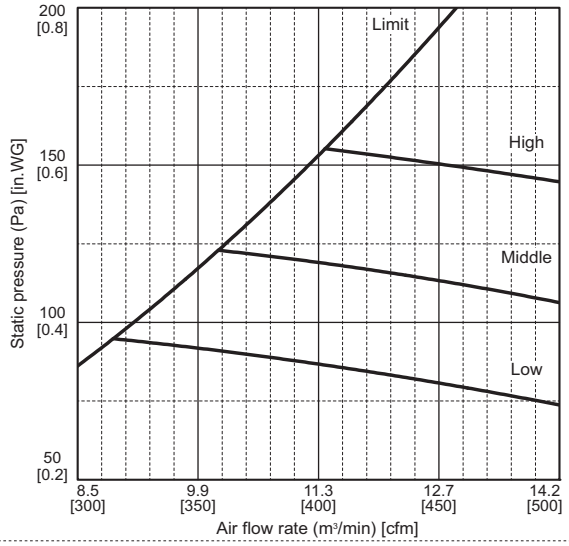


PEFY-P96NMHU-E-OA

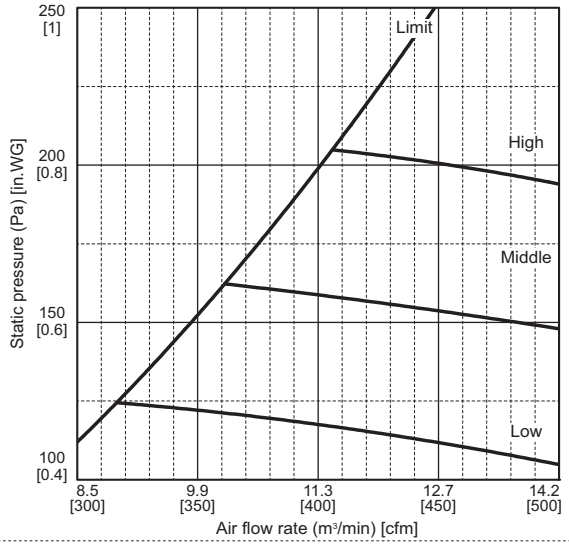
External Static Pressure: 250Pa [1.00in.WG]
Power Source: 208/230V, 60Hz



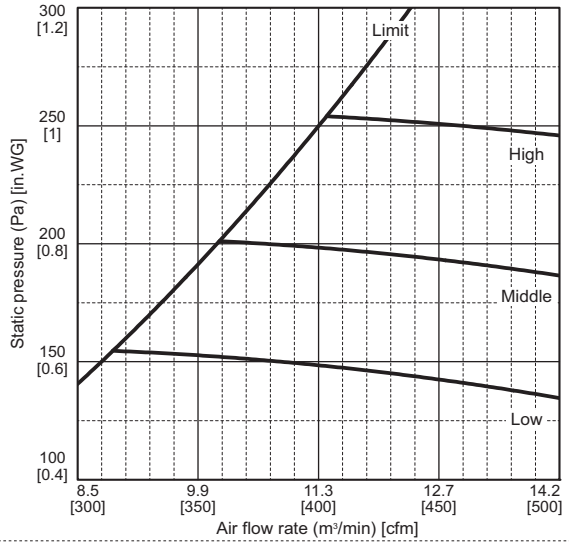
PEFY-P36NMHU-E-OA
External static pressure : 150Pa [0.6 in.WG]
Power source : 208, 230V 60Hz



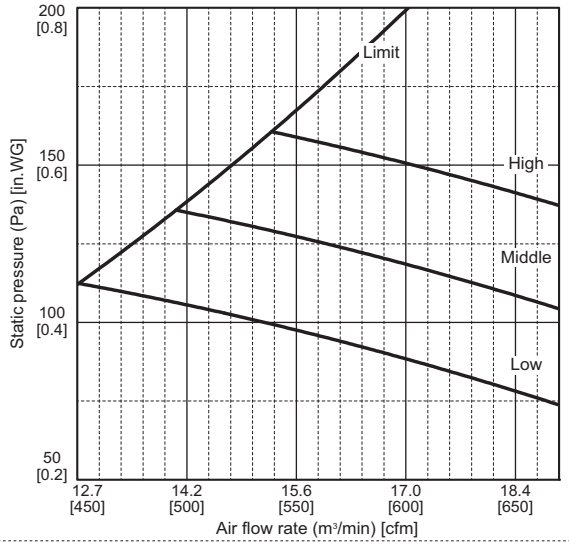
PEFY-P36NMHU-E-OA
External static pressure : 200Pa [0.8 in.WG]
Power source : 208, 230V 60Hz



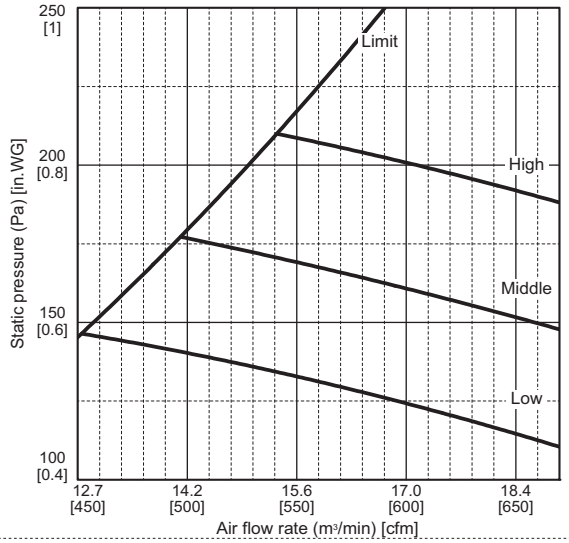
PEFY-P36NMHU-E-OA
External static pressure : 250Pa [1.0 in.WG]
Power source : 208, 230V 60Hz



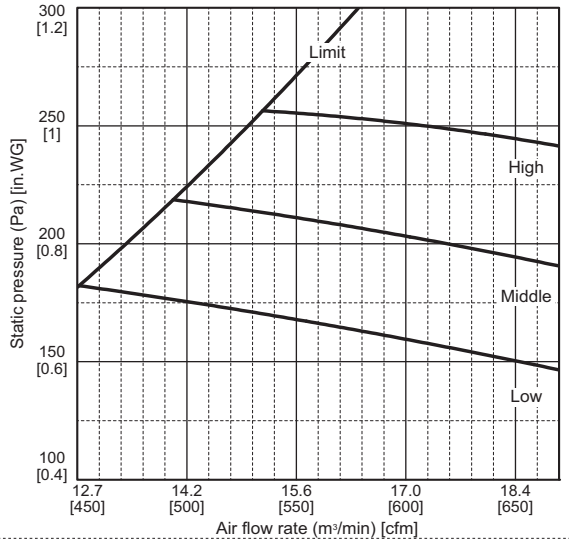
PEFY-P48NMHU-E-OA
External static pressure : 150Pa [0.6 in.WG]
Power source : 208, 230V 60Hz



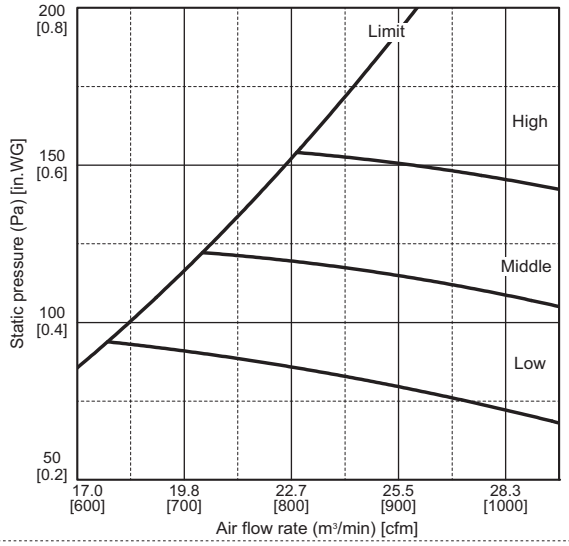
PEFY-P48NMHU-E-OA
External static pressure : 200Pa [0.8 in.WG]
Power source : 208, 230V 60Hz



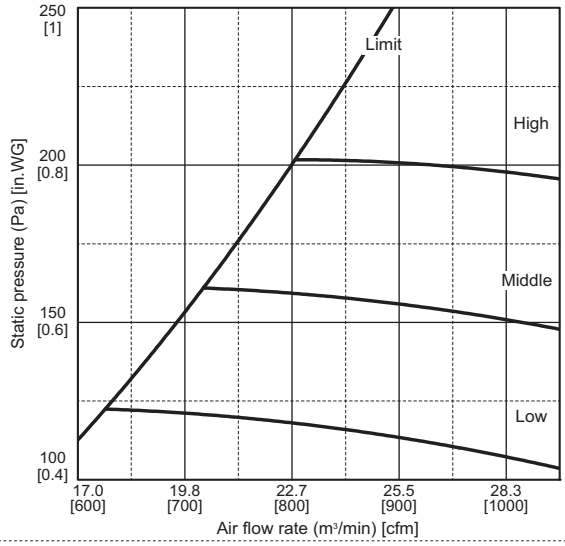
PEFY-P48NMHU-E-OA
External static pressure : 250Pa [1.0 in.WG]
Power source : 208, 230V 60Hz



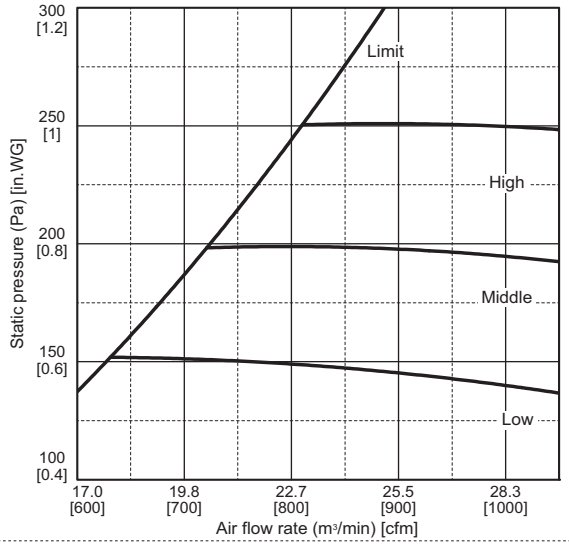
PEFY-P72NMHU-E-OA
External static pressure : 150Pa [0.6 in.WG]
Power source : 208, 230V 60Hz



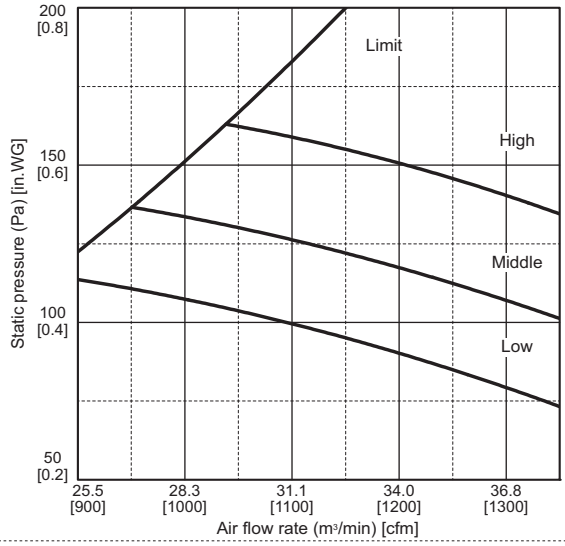
PEFY-P72NMHU-E-OA
External static pressure : 200Pa [0.8 in.WG]
Power source : 208, 230V 60Hz



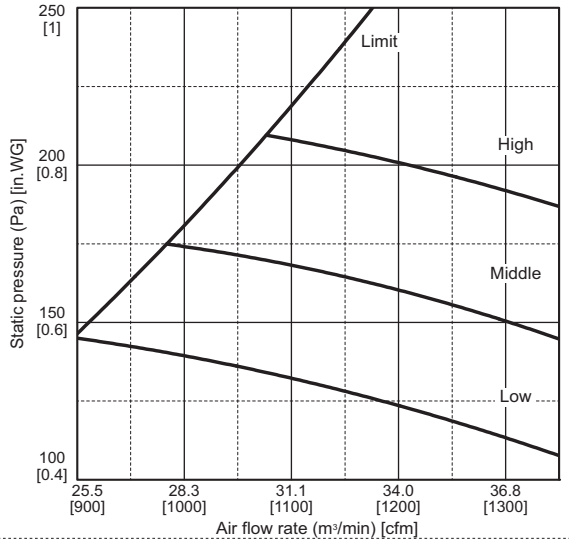
PEFY-P72NMHU-E-OA
External static pressure : 250Pa [1.0 in.WG]
Power source : 208, 230V 60Hz



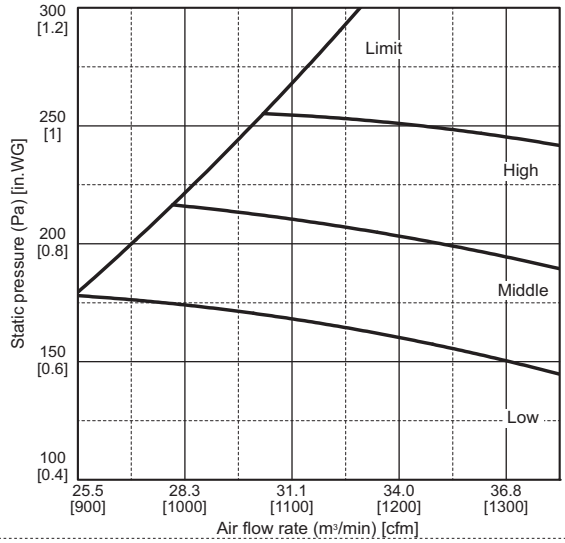
PEFY-P96NMHU-E-OA
External static pressure : 150Pa [0.6 in.WG]
Power source : 208, 230V 60Hz

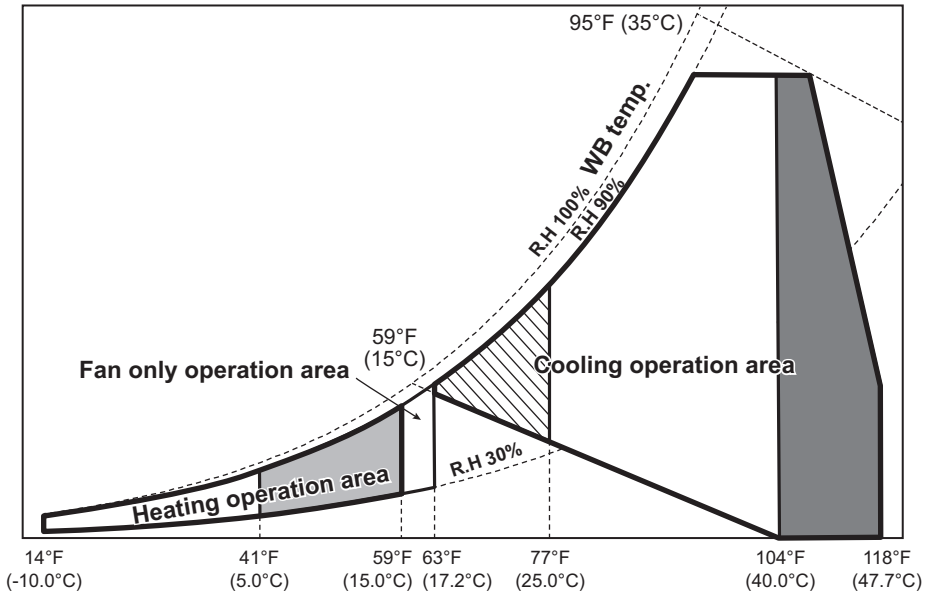


PEFY-P96NMHU-E-OA
External static pressure : 200Pa [0.8 in.WG]
Power source : 208, 230V 60Hz



PEFY-P96NMHU-E-OA
External static pressure : 250Pa [1.0 in.WG]
Power source : 208, 230V 60Hz





Notes

The cooling capacity may be automatically decreased to protect the compressor in the range indicated by ▬.

The following is likely to occur in the range indicated by ▨.

- Repetitive cycling of Thermo-ON and OFF at approximately 5-minute intervals.
- Hunting of the outlet air temperature.
- Outlet air temperature is always below the set temperature.

The outlet air temperature is likely to be always higher than the set temperature in the range indicated by ▭.

The indoor unit fan speed will be automatically set to Very Low when the outside temperature exceeds 109°F (42.8°C).

This indoor unit features a function that automatically changes the fan speed to Very Low when the outside temperature reaches at or below 23°F (-5°C).

(See the Service Handbook for details.)

8-1. Cooling capacity/outlet air temp. with Y/R2/H2i (Y)/H2i (R2)-Series outdoor units

PEFY-P36NMHU-E-OA

CA: Capacity, SHC: Sensible Heat Capacity

Outdoor temp.				Fan speed	Cooling capacity				Outlet air temp.			
°F		°C			BTU/h		kW		°F		°C	
DB	WB	DB	WB		CA	SHC	CA	SHC	DB	WB	DB	WB
63	59	17.2	15.0	Hi	11,700	6,400	3.4	1.9	50.0	49.6	10.0	9.8
				Mi	10,400	5,700	3.0	1.7	50.0	49.6	10.0	9.8
				Lo	9,100	5,000	2.7	1.5	50.0	49.6	10.0	9.8
70	62	21.1	16.7	Hi	16,800	9,800	4.9	2.9	50.0	49.6	10.0	9.8
				Mi	14,900	8,800	4.4	2.6	50.0	49.6	10.0	9.8
				Lo	13,100	7,700	3.8	2.2	50.0	49.6	10.0	9.8
	68		20.0	Hi	25,400	10,300	7.4	3.0	50.0	49.6	10.0	9.8
				Mi	22,600	9,100	6.6	2.7	50.0	49.6	10.0	9.8
				Lo	19,800	8,000	5.8	2.3	50.0	49.6	10.0	9.8
77	59	25.0	15.0	Hi	11,500	11,500	3.4	3.4	50.0	49.6	10.0	9.8
				Mi	10,200	10,200	3.0	3.0	50.0	49.6	10.0	9.8
				Lo	9,000	9,000	2.6	2.6	50.0	49.6	10.0	9.8
	62		16.7	Hi	15,900	13,000	4.7	3.8	50.0	49.6	10.0	9.8
				Mi	14,100	11,600	4.1	3.4	50.0	49.6	10.0	9.8
				Lo	12,400	10,100	3.6	3.0	50.0	49.6	10.0	9.8
	68		20.0	Hi	25,300	13,500	7.4	3.9	50.0	49.6	10.0	9.8
				Mi	22,500	12,000	6.6	3.5	50.0	49.6	10.0	9.8
				Lo	19,700	10,500	5.8	3.1	50.0	49.6	10.0	9.8
84	62	28.9	16.7	Hi	15,800	15,800	4.6	4.6	50.0	49.6	10.0	9.8
				Mi	14,000	14,000	4.1	4.1	50.0	49.6	10.0	9.8
				Lo	12,300	12,300	3.6	3.6	50.0	49.6	10.0	9.8
	68		20.0	Hi	25,100	16,700	7.4	4.9	50.0	49.6	10.0	9.8
				Mi	22,400	14,800	6.6	4.3	50.0	49.6	10.0	9.8
				Lo	19,600	13,000	5.7	3.8	50.0	49.6	10.0	9.8
	73		22.8	Hi	31,700	15,700	9.3	4.6	52.7	52.3	11.5	11.3
				Mi	30,700	15,100	9.0	4.4	50.4	50.1	10.2	10.0
				Lo	27,200	13,400	8.0	3.9	50.0	49.6	10.0	9.8
	78		25.5	Hi	34,900	13,000	10.2	3.8	58.0	57.8	14.5	14.4
				Mi	34,400	12,900	10.1	3.8	55.1	54.9	12.8	12.7
				Lo	32,700	12,400	9.6	3.6	52.4	52.2	11.3	11.2
91	73	32.7	22.8	Hi	30,800	18,600	9.0	5.4	54.2	53.0	12.3	11.7
				Mi	29,800	17,600	8.7	5.2	51.9	50.9	11.1	10.5
				Lo	28,700	16,600	8.4	4.9	49.1	48.2	9.5	9.0
	78		25.5	Hi	34,200	15,900	10.0	4.7	59.2	58.6	15.1	14.8
				Mi	33,100	15,200	9.7	4.5	56.9	56.4	13.8	13.6
				Lo	31,900	14,600	9.4	4.3	53.9	53.7	12.2	12.0
	82		27.8	Hi	36,000	13,900	10.5	4.1	63.1	62.8	17.3	17.1
				Mi	35,600	13,700	10.4	4.0	60.3	60.1	15.7	15.6
				Lo	34,200	13,200	10.0	3.9	57.4	57.2	14.1	14.0
	86		30.0	Hi	36,200	11,300	10.6	3.3	68.2	68.0	20.1	20.0
				Mi	36,100	11,300	10.6	3.3	65.3	65.2	18.5	18.4
				Lo	36,000	11,400	10.5	3.4	61.6	61.4	16.4	16.3
98	73	36.7	22.8	Hi	29,900	21,400	8.7	6.3	55.7	53.7	13.2	12.1
				Mi	28,900	20,100	8.5	5.9	53.5	51.6	11.9	10.9
				Lo	27,800	18,700	8.2	5.5	50.7	49.0	10.4	9.5
	78		25.5	Hi	33,200	18,700	9.7	5.5	60.7	59.3	15.9	15.1
				Mi	32,200	17,700	9.4	5.2	58.4	57.2	14.7	14.0
				Lo	31,000	16,700	9.1	4.9	55.6	54.5	13.1	12.5
	82		27.8	Hi	35,500	16,900	10.4	5.0	64.1	63.1	17.8	17.3
				Mi	34,500	16,100	10.1	4.7	61.8	61.0	16.6	16.1
				Lo	33,300	15,300	9.7	4.5	59.0	58.3	15.0	14.6
	86		30.0	Hi	37,500	14,900	11.0	4.4	68.0	67.4	20.0	19.6
				Mi	36,700	14,400	10.8	4.2	65.6	65.1	18.7	18.4
				Lo	35,500	13,700	10.4	4.0	62.7	62.4	17.1	16.9
	89		31.7	Hi	37,900	12,400	11.1	3.6	73.0	72.6	22.8	22.5
				Mi	37,800	12,200	11.1	3.6	70.3	70.1	21.3	21.1
				Lo	37,600	12,100	11.0	3.5	66.8	66.6	19.3	19.2

PEFY-P36NMHU-E-OA

CA: Capacity, SHC: Sensible Heat Capacity

Outdoor temp.				Fan speed	Cooling capacity				Outlet air temp.			
°F		°C			BTU/h		kW		°F		°C	
DB	WB	DB	WB		CA	SHC	CA	SHC	DB	WB	DB	WB
104	73	40.0	22.8	Hi	29,100	23,400	8.5	6.9	56.9	54.3	13.8	12.4
				Mi	28,100	21,800	8.2	6.4	54.7	52.3	12.6	11.3
				Lo	27,100	20,300	7.9	5.9	52.1	49.8	11.2	9.9
	78		25.5	Hi	31,400	20,400	9.2	6.0	62.5	60.5	16.9	15.8
				Mi	30,900	19,300	9.0	5.7	60.1	58.2	15.6	14.5
				Lo	30,200	18,200	8.9	5.3	56.9	55.2	13.8	12.9
	82		27.8	Hi	32,400	18,200	9.5	5.3	66.7	65.0	19.3	18.4
				Mi	31,900	17,300	9.4	5.1	64.4	62.8	18.0	17.1
				Lo	31,300	16,400	9.2	4.8	61.3	60.0	16.3	15.5
	86		30.0	Hi	33,400	15,900	9.8	4.7	71.1	69.7	21.7	21.0
				Mi	33,000	15,200	9.7	4.5	68.8	67.6	20.5	19.8
				Lo	32,400	14,500	9.5	4.2	65.9	64.9	18.8	18.3
	89		31.7	Hi	34,400	13,700	10.1	4.0	75.5	74.4	24.1	23.6
				Mi	33,900	13,100	9.9	3.9	73.3	72.4	23.0	22.5
				Lo	33,400	12,600	9.8	3.7	70.6	69.9	21.5	21.0
	95		35.0	Hi	33,300	9,800	9.8	2.9	83.2	82.6	28.5	28.1
				Mi	33,600	9,700	9.8	2.8	81.2	80.7	27.3	27.0
				Lo	33,800	9,500	9.9	2.8	78.4	78.1	25.8	25.6
109	73	42.8	22.8	Hi	25,800	24,400	7.6	7.1	60.0	56.8	15.5	13.8
				Mi	25,300	22,700	7.4	6.7	57.9	54.8	14.4	12.7
				Lo	24,700	21,000	7.2	6.2	55.2	52.3	12.9	11.3
	78		25.5	Hi	26,900	21,100	7.9	6.2	66.2	63.5	19.0	17.5
				Mi	26,500	19,700	7.8	5.8	64.2	61.6	17.9	16.4
				Lo	26,000	18,300	7.6	5.4	61.6	59.1	16.4	15.1
	82		27.8	Hi	27,600	18,900	8.1	5.5	70.4	68.0	21.3	20.0
				Mi	27,200	17,700	8.0	5.2	68.4	66.2	20.2	19.0
				Lo	26,800	16,500	7.9	4.8	65.9	63.8	18.8	17.6
	86		30.0	Hi	28,400	16,800	8.3	4.9	74.6	72.5	23.6	22.5
				Mi	28,000	15,700	8.2	4.6	72.7	70.8	22.6	21.5
				Lo	27,600	14,700	8.1	4.3	70.4	68.5	21.3	20.3
	89		31.7	Hi	29,000	14,600	8.5	4.3	78.8	77.1	26.0	25.1
				Mi	28,700	13,800	8.4	4.0	77.1	75.5	25.1	24.1
				Lo	28,400	12,900	8.3	3.8	74.8	73.3	23.8	23.0
	95		35.0	Hi	30,000	11,400	8.8	3.3	85.2	84.0	29.6	28.9
				Mi	29,800	10,800	8.7	3.2	83.7	82.5	28.7	28.1
				Lo	29,400	10,300	8.6	3.0	81.7	80.6	27.6	27.0
109.2	73	42.9	22.8	Very Low	23,300	19,600	6.8	5.7	54.6	51.6	12.5	10.9
	78		25.5	Very Low	24,700	17,200	7.2	5.0	60.7	58.3	16.0	14.6
	82		27.8	Very Low	25,600	15,500	7.5	4.6	65.0	62.9	18.3	17.2
112	73	44.4	22.8	Very Low	22,800	20,500	6.7	6.0	55.4	52.1	13.0	11.2
	78		25.5	Very Low	24,200	18,100	7.1	5.3	61.6	58.8	16.4	14.9
	82		27.8	Very Low	25,000	16,500	7.3	4.8	65.9	63.4	18.8	17.5
118	73	47.8	22.8	Very Low	18,700	18,700	5.5	5.5	64.7	56.5	18.2	13.6
	78		25.5	Very Low	19,500	18,000	5.7	5.3	66.8	63.2	19.3	17.4

Notes

- The table shows the values measured under the following conditions.
  - The set temperature of the remote controller is 50°F (10°C)
  - The total indoor unit capacity is 100% of the connected outdoor unit capacity, and all connected indoor units are PEFY-P36NMHU-E-OA.
  - Measures taken when the fans on all connected indoor units are operated at the same speed.
  - Refrigerant is charged to the rated amount, the piping distance between indoor and outdoor units is 2.5ft (7.5 m), and the vertical separation between indoor and outdoor units is 0 m.
  - The fan speed is set to High on all indoor units. When the temperature exceeds 109°F (42.8°C), the fan speed is set to Very Low.
- The following is likely to occur when the outside temperature is below 77°F (25°C).
  - Repetitive cycling of Thermo-ON and OFF at approximately 5-minute intervals.
  - Hunting of the outlet temperature.
  - Outlet temperature is always below the setting temperature.
- The cooling capacity may be automatically decreased to protect the compressor when the outside temperature exceeds 104°F (40°C).
- The indoor unit fan speed will be automatically set to Very Low when the outside temperature exceeds 109°F (42.8°C).

PEFY-P48NMHU-E-OA

CA: Capacity, SHC: Sensible Heat Capacity

Outdoor temp.				Fan speed	Cooling capacity				Outlet air temp.			
°F		°C			BTU/h		kW		°F		°C	
DB	WB	DB	WB		CA	SHC	CA	SHC	DB	WB	DB	WB
63	59	17.2	15.0	Hi	15,600	8,500	4.6	2.5	50.0	49.6	10.0	9.8
				Mi	14,300	7,800	4.2	2.3	50.0	49.6	10.0	9.8
				Lo	13,100	7,100	3.8	2.1	50.0	49.6	10.0	9.8
70	62	21.1	16.7	Hi	22,500	13,200	6.6	3.9	50.0	49.6	10.0	9.8
				Mi	20,600	12,100	6.0	3.5	50.0	49.6	10.0	9.8
				Lo	18,800	11,000	5.5	3.2	50.0	49.6	10.0	9.8
	68		20.0	Hi	34,000	13,700	10.0	4.0	50.0	49.6	10.0	9.8
				Mi	31,200	12,600	9.1	3.7	50.0	49.6	10.0	9.8
				Lo	28,400	11,500	8.3	3.4	50.0	49.6	10.0	9.8
77	59	25.0	15.0	Hi	15,400	15,400	4.5	4.5	50.0	49.6	10.0	9.8
				Mi	14,100	14,100	4.1	4.1	50.0	49.6	10.0	9.8
				Lo	12,900	12,900	3.8	3.8	50.0	49.6	10.0	9.8
	62		16.7	Hi	21,200	17,400	6.2	5.1	50.0	49.6	10.0	9.8
				Mi	19,500	16,000	5.7	4.7	50.0	49.6	10.0	9.8
				Lo	17,700	14,500	5.2	4.3	50.0	49.6	10.0	9.8
	68		20.0	Hi	33,800	18,000	9.9	5.3	50.0	49.6	10.0	9.8
				Mi	31,000	16,500	9.1	4.8	50.0	49.6	10.0	9.8
				Lo	28,200	15,100	8.3	4.4	50.0	49.6	10.0	9.8
84	62	28.9	16.7	Hi	21,100	21,100	6.2	6.2	50.0	49.6	10.0	9.8
				Mi	19,400	19,400	5.7	5.7	50.0	49.6	10.0	9.8
				Lo	17,600	17,600	5.2	5.2	50.0	49.6	10.0	9.8
	68		20.0	Hi	33,600	22,300	9.9	6.5	50.0	49.6	10.0	9.8
				Mi	30,900	20,500	9.0	6.0	50.0	49.6	10.0	9.8
				Lo	28,100	18,600	8.2	5.5	50.0	49.6	10.0	9.8
	73		22.8	Hi	42,400	21,000	12.4	6.2	52.8	52.3	11.6	11.3
				Mi	41,000	20,300	12.0	5.9	51.3	51.0	10.7	10.5
				Lo	39,000	19,200	11.4	5.6	50.0	49.6	10.0	9.8
	78		25.5	Hi	46,500	17,300	13.6	5.1	58.1	57.9	14.5	14.4
				Mi	45,900	17,200	13.5	5.0	56.1	55.9	13.4	13.3
				Lo	43,700	16,400	12.8	4.8	54.8	54.6	12.6	12.5
91	73	32.7	22.8	Hi	41,100	24,800	12.1	7.3	54.3	53.1	12.4	11.7
				Mi	39,800	23,700	11.7	6.9	52.9	51.7	11.6	11.0
				Lo	38,300	22,500	11.2	6.6	51.3	50.2	10.7	10.1
	78		25.5	Hi	45,600	21,200	13.4	6.2	59.3	58.6	15.2	14.8
				Mi	44,200	20,400	13.0	6.0	57.8	57.3	14.4	14.0
				Lo	42,600	19,600	12.5	5.7	56.2	55.8	13.4	13.2
	82		27.8	Hi	48,000	18,500	14.1	5.4	63.2	62.9	17.3	17.2
				Mi	47,500	18,300	13.9	5.4	61.2	61.0	16.2	16.1
				Lo	45,700	17,500	13.4	5.1	59.6	59.5	15.4	15.3
	86		30.0	Hi	48,300	15,100	14.2	4.4	68.2	68.0	20.1	20.0
				Mi	48,200	15,100	14.1	4.4	66.2	66.0	19.0	18.9
				Lo	48,000	15,100	14.1	4.4	63.8	63.6	17.6	17.5
98	73	36.7	22.8	Hi	39,900	28,500	11.7	8.4	55.7	53.8	13.2	12.1
				Mi	38,600	27,100	11.3	7.9	54.4	52.5	12.4	11.4
				Lo	37,200	25,600	10.9	7.5	52.9	51.1	11.6	10.6
	78		25.5	Hi	44,300	25,000	13.0	7.3	60.7	59.3	16.0	15.2
				Mi	42,900	23,800	12.6	7.0	59.3	58.0	15.2	14.4
				Lo	41,400	22,600	12.1	6.6	57.8	56.5	14.3	13.6
	82		27.8	Hi	47,400	22,600	13.9	6.6	64.2	63.1	17.9	17.3
				Mi	46,000	21,600	13.5	6.3	62.8	61.8	17.1	16.6
				Lo	44,400	20,600	13.0	6.0	61.2	60.3	16.2	15.7
	86		30.0	Hi	50,000	19,900	14.7	5.8	68.1	67.4	20.1	19.7
				Mi	49,000	19,300	14.4	5.6	66.5	65.9	19.1	18.8
				Lo	47,400	18,500	13.9	5.4	64.8	64.4	18.2	18.0
	89		31.7	Hi	50,600	16,500	14.8	4.8	73.0	72.6	22.8	22.6
				Mi	50,500	16,300	14.8	4.8	71.1	70.8	21.7	21.6
				Lo	50,200	16,200	14.7	4.7	68.8	68.7	20.5	20.4

PEFY-P48NMHU-E-OA

CA: Capacity, SHC: Sensible Heat Capacity

Outdoor temp.				Fan speed	Cooling capacity				Outlet air temp.			
°F		°C			BTU/h		kW		°F		°C	
DB	WB	DB	WB		CA	SHC	CA	SHC	DB	WB	DB	WB
104	73	40.0	22.8	Hi	38,800	31,300	11.4	9.2	56.9	54.4	13.8	12.4
				Mi	37,600	29,600	11.0	8.7	55.6	53.1	13.1	11.7
				Lo	36,200	27,800	10.6	8.2	54.1	51.7	12.3	11.0
	78		25.5	Hi	41,900	27,300	12.3	8.0	62.5	60.5	17.0	15.9
				Mi	41,200	26,100	12.1	7.6	60.9	59.0	16.1	15.0
				Lo	40,300	24,900	11.8	7.3	59.0	57.2	15.0	14.0
	82		27.8	Hi	43,300	24,300	12.7	7.1	66.8	65.1	19.3	18.4
				Mi	42,700	23,300	12.5	6.8	65.2	63.6	18.4	17.5
				Lo	41,800	22,300	12.3	6.5	63.3	61.8	17.4	16.6
	86		30.0	Hi	44,600	21,300	13.1	6.2	71.1	69.8	21.7	21.0
				Mi	44,000	20,500	12.9	6.0	69.6	68.3	20.9	20.2
				Lo	43,200	19,700	12.7	5.8	67.8	66.6	19.9	19.2
	89		31.7	Hi	45,900	18,300	13.4	5.4	75.5	74.5	24.2	23.6
				Mi	45,300	17,700	13.3	5.2	74.1	73.1	23.4	22.8
				Lo	44,600	17,100	13.1	5.0	72.4	71.5	22.4	21.9
	95		35.0	Hi	44,500	13,200	13.0	3.9	83.3	82.6	28.5	28.1
				Mi	44,800	13,000	13.1	3.8	81.8	81.2	27.6	27.3
				Lo	45,200	12,800	13.2	3.8	79.9	79.5	26.6	26.4
109	73	42.8	22.8	Hi	34,400	32,600	10.1	9.6	60.0	56.8	15.6	13.8
				Mi	33,700	30,800	9.9	9.0	58.7	55.5	14.8	13.1
				Lo	32,900	29,100	9.7	8.5	57.0	54.0	13.9	12.2
	78		25.5	Hi	35,900	28,200	10.5	8.3	66.2	63.5	19.0	17.5
				Mi	35,300	26,800	10.4	7.8	64.9	62.2	18.3	16.8
				Lo	34,700	25,300	10.2	7.4	63.3	60.7	17.4	16.0
	82		27.8	Hi	36,800	25,300	10.8	7.4	70.4	68.0	21.3	20.0
				Mi	36,400	24,000	10.7	7.0	69.1	66.8	20.6	19.3
				Lo	35,800	22,800	10.5	6.7	67.5	65.3	19.7	18.5
	86		30.0	Hi	37,900	22,400	11.1	6.6	74.6	72.6	23.7	22.5
				Mi	37,400	21,300	11.0	6.3	73.3	71.4	23.0	21.9
				Lo	36,800	20,300	10.8	5.9	71.9	70.0	22.1	21.1
	89		31.7	Hi	38,800	19,500	11.4	5.7	78.9	77.1	26.0	25.1
				Mi	38,400	18,700	11.2	5.5	77.7	76.0	25.4	24.4
				Lo	37,900	17,800	11.1	5.2	76.2	74.6	24.6	23.7
	95		35.0	Hi	40,100	15,300	11.7	4.5	85.2	84.0	29.6	28.9
				Mi	39,800	14,700	11.7	4.3	84.2	83.0	29.0	28.3
				Lo	39,300	14,000	11.5	4.1	82.9	81.8	28.3	27.7
109.2	73	42.9	22.8	Very Low	31,200	26,000	9.2	7.6	53.8	50.9	12.1	10.5
	78		25.5	Very Low	33,200	22,800	9.7	6.7	60.0	57.7	15.6	14.3
	82		27.8	Very Low	34,400	20,700	10.1	6.1	64.3	62.3	18.0	16.8
112	73	44.4	22.8	Very Low	30,500	27,200	8.9	8.0	54.8	51.5	12.7	10.9
	78		25.5	Very Low	32,300	24,000	9.5	7.0	61.1	58.3	16.1	14.6
	82		27.8	Very Low	33,400	21,800	9.8	6.4	65.4	62.9	18.6	17.2
118	73	47.8	22.8	Very Low	24,900	24,900	7.3	7.3	63.6	56.1	17.6	13.4
	78		25.5	Very Low	26,000	23,800	7.6	7.0	66.4	62.9	19.1	17.1

Notes

- The table shows the values measured under the following conditions.
  - The set temperature of the remote controller is 50°F (10°C)
  - The total indoor unit capacity is 100% of the connected outdoor unit capacity, and all connected indoor units are PEFY-P48NMHU-E-OA.
  - Measures taken when the fans on all connected indoor units are operated at the same speed.
  - Refrigerant is charged to the rated amount, the piping distance between indoor and outdoor units is 2.5ft (7.5 m), and the vertical separation between indoor and outdoor units is 0 m.
  - The fan speed is set to High on all indoor units. When the temperature exceeds 109°F (42.8°C), the fan speed is set to Very Low.
- The following is likely to occur when the outside temperature is below 77°F (25°C).
  - Repetitive cycling of Thermo-ON and OFF at approximately 5-minute intervals.
  - Hunting of the outlet temperature.
  - Outlet temperature is always below the setting temperature.
- The cooling capacity may be automatically decreased to protect the compressor when the outside temperature exceeds 104°F (40°C).
- The indoor unit fan speed will be automatically set to Very Low when the outside temperature exceeds 109°F (42.8°C).

PEFY-P72NMHU-E-OA

CA: Capacity, SHC: Sensible Heat Capacity

Outdoor temp.				Fan speed	Cooling capacity				Outlet air temp.			
°F		°C			BTU/h		kW		°F		°C	
DB	WB	DB	WB		CA	SHC	CA	SHC	DB	WB	DB	WB
63	59	17.2	15.0	Hi	23,500	12,800	6.9	3.7	50.0	49.6	10.0	9.8
				Mi	20,900	11,400	6.1	3.3	50.0	49.6	10.0	9.8
				Lo	18,200	9,900	5.3	2.9	50.0	49.6	10.0	9.8
70	62	21.1	16.7	Hi	33,700	19,800	9.9	5.8	50.0	49.6	10.0	9.8
				Mi	30,000	17,600	8.8	5.2	50.0	49.6	10.0	9.8
				Lo	26,200	15,300	7.7	4.5	50.0	49.6	10.0	9.8
	68		20.0	Hi	51,000	20,600	14.9	6.0	50.0	49.6	10.0	9.8
				Mi	45,400	18,400	13.3	5.4	50.0	49.6	10.0	9.8
				Lo	39,600	16,000	11.6	4.7	50.0	49.6	10.0	9.8
77	59	25.0	15.0	Hi	23,100	23,100	6.8	6.8	50.0	49.6	10.0	9.8
				Mi	20,500	20,500	6.0	6.0	50.0	49.6	10.0	9.8
				Lo	17,900	17,900	5.3	5.3	50.0	49.6	10.0	9.8
	62		16.7	Hi	31,900	26,100	9.3	7.6	50.0	49.6	10.0	9.8
				Mi	28,400	23,200	8.3	6.8	50.0	49.6	10.0	9.8
				Lo	24,700	20,300	7.3	5.9	50.0	49.6	10.0	9.8
	68		20.0	Hi	50,700	27,000	14.9	7.9	50.0	49.6	10.0	9.8
				Mi	45,100	24,100	13.2	7.1	50.0	49.6	10.0	9.8
				Lo	39,400	21,000	11.5	6.2	50.0	49.6	10.0	9.8
84	62	28.9	16.7	Hi	31,700	31,700	9.3	9.3	50.0	49.6	10.0	9.8
				Mi	28,200	28,200	8.3	8.3	50.0	49.6	10.0	9.8
				Lo	24,600	24,600	7.2	7.2	50.0	49.6	10.0	9.8
	68		20.0	Hi	50,500	33,400	14.8	9.8	50.0	49.6	10.0	9.8
				Mi	44,900	29,800	13.2	8.7	50.0	49.6	10.0	9.8
				Lo	39,200	26,000	11.5	7.6	50.0	49.6	10.0	9.8
	73		22.8	Hi	63,600	31,500	18.6	9.2	52.8	52.4	11.6	11.3
				Mi	61,500	30,300	18.0	8.9	50.5	50.2	10.3	10.1
				Lo	54,300	26,700	15.9	7.8	50.0	49.6	10.0	9.8
	78		25.5	Hi	69,800	26,000	20.5	7.6	58.1	57.9	14.5	14.4
				Mi	68,800	25,800	20.2	7.6	55.2	55.0	12.9	12.8
				Lo	65,500	24,800	19.2	7.3	52.4	52.2	11.3	11.2
91	73	32.7	22.8	Hi	61,700	37,200	18.1	10.9	54.3	53.1	12.4	11.7
				Mi	59,700	35,300	17.5	10.3	52.0	50.9	11.1	10.5
				Lo	57,500	33,300	16.8	9.8	49.0	48.1	9.5	9.0
	78		25.5	Hi	68,400	31,900	20.0	9.3	59.3	58.7	15.2	14.8
				Mi	66,300	30,500	19.4	8.9	57.0	56.5	13.9	13.6
				Lo	63,900	29,200	18.7	8.6	53.9	53.6	12.2	12.0
	82		27.8	Hi	72,000	27,800	21.1	8.1	63.2	62.9	17.3	17.2
				Mi	71,300	27,400	20.9	8.0	60.4	60.2	15.8	15.7
				Lo	68,500	26,300	20.1	7.7	57.4	57.2	14.1	14.0
	86		30.0	Hi	72,400	22,600	21.2	6.6	68.2	68.0	20.1	20.0
				Mi	72,300	22,700	21.2	6.6	65.4	65.2	18.6	18.5
				Lo	72,000	22,900	21.1	6.7	61.5	61.4	16.4	16.3
98	73	36.7	22.8	Hi	59,800	42,800	17.5	12.5	55.8	53.8	13.2	12.1
				Mi	57,900	40,200	17.0	11.8	53.6	51.7	12.0	11.0
				Lo	55,700	37,500	16.3	11.0	50.7	49.0	10.4	9.5
	78		25.5	Hi	66,400	37,500	19.5	11.0	60.7	59.3	16.0	15.2
				Mi	64,400	35,500	18.9	10.4	58.5	57.2	14.7	14.0
				Lo	62,000	33,400	18.2	9.8	55.6	54.5	13.1	12.5
	82		27.8	Hi	71,100	33,800	20.8	9.9	64.2	63.2	17.9	17.3
				Mi	69,000	32,200	20.2	9.4	61.9	61.1	16.6	16.1
				Lo	66,600	30,600	19.5	9.0	59.0	58.3	15.0	14.6
	86		30.0	Hi	75,000	29,800	22.0	8.7	68.1	67.4	20.1	19.7
				Mi	73,500	28,800	21.6	8.4	65.7	65.1	18.7	18.4
				Lo	71,000	27,500	20.8	8.1	62.7	62.4	17.0	16.9
	89		31.7	Hi	75,900	24,700	22.2	7.3	73.0	72.7	22.8	22.6
				Mi	75,700	24,400	22.2	7.2	70.4	70.1	21.3	21.2
				Lo	75,300	24,200	22.1	7.1	66.7	66.5	19.3	19.2

PEFY-P72NMHU-E-OA

CA: Capacity, SHC: Sensible Heat Capacity

Outdoor temp.				Fan speed	Cooling capacity				Outlet air temp.			
°F		°C			BTU/h		kW		°F		°C	
DB	WB	DB	WB		CA	SHC	CA	SHC	DB	WB	DB	WB
104	73	40.0	22.8	Hi	58,200	46,900	17.0	13.8	56.9	54.4	13.8	12.4
				Mi	56,300	43,800	16.5	12.8	54.8	52.4	12.7	11.3
				Lo	54,200	40,600	15.9	11.9	52.1	49.8	11.1	9.9
	78		25.5	Hi	62,800	40,900	18.4	12.0	62.6	60.5	17.0	15.9
				Mi	61,800	38,700	18.1	11.3	60.1	58.3	15.6	14.6
				Lo	60,500	36,500	17.7	10.7	56.9	55.2	13.8	12.9
	82		27.8	Hi	64,900	36,400	19.0	10.7	66.8	65.1	19.3	18.4
				Mi	63,900	34,600	18.7	10.1	64.5	62.9	18.0	17.2
				Lo	62,700	32,800	18.4	9.6	61.3	60.0	16.3	15.5
	86		30.0	Hi	66,800	31,900	19.6	9.4	71.1	69.8	21.7	21.0
				Mi	66,000	30,500	19.4	8.9	68.9	67.7	20.5	19.8
				Lo	64,800	29,000	19.0	8.5	65.9	64.8	18.8	18.2
	89		31.7	Hi	68,800	27,500	20.2	8.0	75.5	74.5	24.2	23.6
				Mi	68,000	26,300	19.9	7.7	73.4	72.5	23.0	22.5
				Lo	66,800	25,200	19.6	7.4	70.6	69.9	21.4	21.0
	95		35.0	Hi	66,700	19,700	19.5	5.8	83.3	82.7	28.5	28.1
				Mi	67,200	19,300	19.7	5.7	81.2	80.7	27.4	27.1
				Lo	67,700	19,100	19.9	5.6	78.4	78.1	25.8	25.6
109	73	42.8	22.8	Hi	51,600	48,900	15.1	14.3	60.0	56.8	15.6	13.8
				Mi	50,500	45,500	14.8	13.3	58.0	54.9	14.4	12.7
				Lo	49,400	42,100	14.5	12.3	55.2	52.2	12.9	11.2
	78		25.5	Hi	53,800	42,300	15.8	12.4	66.3	63.5	19.0	17.5
				Mi	53,000	39,500	15.5	11.6	64.3	61.6	17.9	16.5
				Lo	52,000	36,700	15.2	10.8	61.6	59.1	16.4	15.1
	82		27.8	Hi	55,200	37,900	16.2	11.1	70.4	68.0	21.3	20.0
				Mi	54,500	35,500	16.0	10.4	68.5	66.2	20.3	19.0
				Lo	53,700	33,100	15.7	9.7	65.9	63.7	18.8	17.6
	86		30.0	Hi	56,800	33,600	16.6	9.8	74.6	72.6	23.7	22.5
				Mi	56,100	31,500	16.4	9.2	72.8	70.8	22.7	21.6
				Lo	55,200	29,500	16.2	8.6	70.4	68.5	21.3	20.3
	89		31.7	Hi	58,100	29,300	17.0	8.6	78.9	77.2	26.0	25.1
				Mi	57,500	27,600	16.9	8.1	77.2	75.5	25.1	24.2
				Lo	56,800	25,900	16.7	7.6	74.8	73.3	23.8	23.0
	95		35.0	Hi	60,100	22,900	17.6	6.7	85.2	84.0	29.6	28.9
				Mi	59,700	21,700	17.5	6.4	83.7	82.6	28.7	28.1
				Lo	58,900	20,500	17.3	6.0	81.7	80.6	27.6	27.0
109.2	73	42.9	22.8	Very Low	46,100	40,600	13.5	11.9	57.0	53.9	13.9	12.2
	78		25.5	Very Low	48,500	35,300	14.2	10.4	63.2	60.7	17.3	15.9
	82		27.8	Very Low	50,100	32,200	14.7	9.5	66.9	64.7	19.4	18.2
112	73	44.4	22.8	Very Low	45,700	42,900	13.4	12.6	57.5	54.1	14.2	12.3
	78		25.5	Very Low	48,400	37,800	14.2	11.1	63.6	60.7	17.5	15.9
	82		27.8	Very Low	50,100	34,300	14.7	10.1	67.8	65.2	19.9	18.4
118	73	47.8	22.8	Very Low	37,400	37,400	10.9	10.9	68.8	58.1	20.4	14.5
	78		25.5	Very Low	39,000	38,000	11.4	11.1	68.3	64.6	20.2	18.1

Notes

- The table shows the values measured under the following conditions.
  - The set temperature of the remote controller is 50°F (10°C)
  - The total indoor unit capacity is 100% of the connected outdoor unit capacity, and all connected indoor units are PEFY-P72NMHU-E-OA.
  - Measures taken when the fans on all connected indoor units are operated at the same speed.
  - Refrigerant is charged to the rated amount, the piping distance between indoor and outdoor units is 2.5ft (7.5 m), and the vertical separation between indoor and outdoor units is 0 m.
  - The fan speed is set to High on all indoor units. When the temperature exceeds 109°F (42.8°C), the fan speed is set to Very Low.
- The following is likely to occur when the outside temperature is below 77°F (25°C).
  - Repetitive cycling of Thermo-ON and OFF at approximately 5-minute intervals.
  - Hunting of the outlet temperature.
  - Outlet temperature is always below the setting temperature.
- The cooling capacity may be automatically decreased to protect the compressor when the outside temperature exceeds 104°F (40°C).
- The indoor unit fan speed will be automatically set to Very Low when the outside temperature exceeds 109°F (42.8°C).

PEFY-P96NMHU-E-OA

CA: Capacity, SHC: Sensible Heat Capacity

Outdoor temp.				Fan speed	Cooling capacity				Outlet air temp.			
°F		°C			BTU/h		kW		°F		°C	
DB	WB	DB	WB		CA	SHC	CA	SHC	DB	WB	DB	WB
63	59	17.2	15.0	Hi	31,300	17,100	9.2	5.0	50.0	49.6	10.0	9.8
				Mi	28,600	15,600	8.4	4.6	50.0	49.6	10.0	9.8
				Lo	26,000	14,200	7.6	4.2	50.0	49.6	10.0	9.8
70	62	21.1	16.7	Hi	44,900	26,300	13.2	7.7	50.0	49.6	10.0	9.8
				Mi	41,100	24,100	12.0	7.1	50.0	49.6	10.0	9.8
				Lo	37,400	21,900	11.0	6.4	50.0	49.6	10.0	9.8
	68		20.0	Hi	67,900	27,500	19.9	8.1	50.0	49.6	10.0	9.8
				Mi	62,200	25,100	18.2	7.4	50.0	49.6	10.0	9.8
				Lo	56,600	22,900	16.6	6.7	50.0	49.6	10.0	9.8
77	59	25.0	15.0	Hi	30,800	30,800	9.0	9.0	50.0	49.6	10.0	9.8
				Mi	28,200	28,200	8.3	8.3	50.0	49.6	10.0	9.8
				Lo	25,600	25,600	7.5	7.5	50.0	49.6	10.0	9.8
	62		16.7	Hi	42,500	34,800	12.4	10.2	50.0	49.6	10.0	9.8
				Mi	38,900	31,800	11.4	9.3	50.0	49.6	10.0	9.8
				Lo	35,400	29,000	10.4	8.5	50.0	49.6	10.0	9.8
	68		20.0	Hi	67,600	36,100	19.8	10.6	50.0	49.6	10.0	9.8
				Mi	61,800	33,000	18.1	9.7	50.0	49.6	10.0	9.8
				Lo	56,300	30,000	16.5	8.8	50.0	49.6	10.0	9.8
84	62	28.9	16.7	Hi	42,200	42,200	12.4	12.4	50.0	49.6	10.0	9.8
				Mi	38,600	38,600	11.3	11.3	50.0	49.6	10.0	9.8
				Lo	35,100	35,100	10.3	10.3	50.0	49.6	10.0	9.8
	68		20.0	Hi	67,300	44,600	19.7	13.1	50.0	49.6	10.0	9.8
				Mi	61,500	40,800	18.0	12.0	50.0	49.6	10.0	9.8
				Lo	56,000	37,100	16.4	10.9	50.0	49.6	10.0	9.8
	73		22.8	Hi	84,700	42,000	24.8	12.3	52.8	52.4	11.6	11.3
				Mi	82,000	40,500	24.0	11.9	51.3	50.9	10.7	10.5
				Lo	77,600	38,200	22.8	11.2	50.0	49.6	10.0	9.8
	78		25.5	Hi	93,000	34,600	27.3	10.1	58.1	57.9	14.5	14.4
				Mi	91,700	34,300	26.9	10.1	56.0	55.9	13.4	13.3
				Lo	87,300	32,800	25.6	9.6	54.7	54.5	12.6	12.5
91	73	32.7	22.8	Hi	82,200	49,600	24.1	14.5	54.3	53.1	12.4	11.7
				Mi	79,600	47,300	23.3	13.9	52.8	51.7	11.6	10.9
				Lo	76,600	44,900	22.4	13.2	51.2	50.2	10.7	10.1
	78		25.5	Hi	91,200	42,500	26.7	12.4	59.3	58.7	15.2	14.8
				Mi	88,400	40,800	25.9	12.0	57.8	57.2	14.3	14.0
				Lo	85,200	39,100	25.0	11.5	56.1	55.7	13.4	13.2
	82		27.8	Hi	96,000	37,100	28.1	10.9	63.2	62.9	17.3	17.2
				Mi	95,000	36,500	27.8	10.7	61.2	61.0	16.2	16.1
				Lo	91,300	35,100	26.8	10.3	59.6	59.4	15.3	15.2
	86		30.0	Hi	96,500	30,200	28.3	8.8	68.2	68.1	20.1	20.0
				Mi	96,400	30,200	28.3	8.9	66.1	66.0	19.0	18.9
				Lo	96,000	30,300	28.1	8.9	63.7	63.5	17.6	17.5
98	73	36.7	22.8	Hi	79,700	57,100	23.3	16.7	55.8	53.8	13.2	12.1
				Mi	77,200	54,100	22.6	15.9	54.3	52.4	12.4	11.3
				Lo	74,300	51,100	21.8	15.0	52.8	51.0	11.5	10.5
	78		25.5	Hi	88,500	50,000	25.9	14.6	60.7	59.3	16.0	15.2
				Mi	85,800	47,600	25.2	14.0	59.3	57.9	15.1	14.4
				Lo	82,700	45,200	24.2	13.2	57.7	56.5	14.3	13.6
	82		27.8	Hi	94,800	45,100	27.8	13.2	64.2	63.2	17.9	17.3
				Mi	92,000	43,200	27.0	12.7	62.7	61.7	17.0	16.5
				Lo	88,700	41,200	26.0	12.1	61.1	60.3	16.2	15.7
	86		30.0	Hi	100,000	39,700	29.3	11.6	68.1	67.4	20.1	19.7
				Mi	98,000	38,500	28.7	11.3	66.4	65.8	19.1	18.8
				Lo	94,700	36,900	27.8	10.8	64.8	64.3	18.2	17.9
	89		31.7	Hi	101,100	33,000	29.6	9.7	73.0	72.7	22.8	22.6
				Mi	101,000	32,600	29.6	9.6	71.0	70.8	21.7	21.5
				Lo	100,300	32,300	29.4	9.5	68.8	68.6	20.4	20.3

PEFY-P96NMHU-E-OA

CA: Capacity, SHC: Sensible Heat Capacity

Outdoor temp.				Fan speed	Cooling capacity				Outlet air temp.			
°F		°C			BTU/h		kW		°F		°C	
DB	WB	DB	WB		CA	SHC	CA	SHC	DB	WB	DB	WB
104	73	40.0	22.8	Hi	77,500	62,600	22.7	18.3	56.9	54.4	13.8	12.4
				Mi	75,100	59,100	22.0	17.3	55.5	53.1	13.1	11.7
				Lo	72,300	55,500	21.2	16.3	54.1	51.7	12.3	10.9
	78		25.5	Hi	83,700	54,500	24.5	16.0	62.6	60.5	17.0	15.9
				Mi	82,300	52,100	24.1	15.3	60.8	58.9	16.0	15.0
				Lo	80,600	49,700	23.6	14.6	58.9	57.1	15.0	14.0
	82		27.8	Hi	86,500	48,500	25.4	14.2	66.8	65.1	19.3	18.4
				Mi	85,200	46,500	25.0	13.6	65.1	63.5	18.4	17.5
				Lo	83,600	44,500	24.5	13.1	63.3	61.8	17.4	16.5
	86		30.0	Hi	89,100	42,500	26.1	12.5	71.1	69.8	21.7	21.0
				Mi	88,000	41,000	25.8	12.0	69.5	68.2	20.8	20.1
				Lo	86,400	39,300	25.3	11.5	67.7	66.6	19.8	19.2
	89		31.7	Hi	91,700	36,600	26.9	10.7	75.5	74.5	24.2	23.6
				Mi	90,600	35,400	26.6	10.4	74.0	73.0	23.3	22.8
				Lo	89,100	34,100	26.1	10.0	72.3	71.4	22.4	21.9
	95		35.0	Hi	88,900	26,300	26.0	7.7	83.3	82.7	28.5	28.1
				Mi	89,600	25,900	26.3	7.6	81.7	81.2	27.6	27.3
				Lo	90,300	25,700	26.5	7.5	79.8	79.4	26.6	26.3
109	73	42.8	22.8	Hi	68,800	65,200	20.2	19.1	60.0	56.8	15.6	13.8
				Mi	67,400	61,500	19.7	18.0	58.6	55.5	14.8	13.0
				Lo	65,800	58,000	19.3	17.0	57.0	53.9	13.9	12.2
	78		25.5	Hi	71,700	56,400	21.0	16.5	66.3	63.5	19.0	17.5
				Mi	70,600	53,400	20.7	15.7	64.8	62.2	18.2	16.8
				Lo	69,300	50,500	20.3	14.8	63.2	60.7	17.3	15.9
	82		27.8	Hi	73,600	50,500	21.6	14.8	70.4	68.0	21.3	20.0
				Mi	72,700	48,000	21.3	14.1	69.0	66.7	20.6	19.3
				Lo	71,600	45,500	21.0	13.3	67.4	65.2	19.7	18.5
	86		30.0	Hi	75,700	44,800	22.2	13.1	74.6	72.6	23.7	22.5
				Mi	74,800	42,600	21.9	12.5	73.3	71.3	22.9	21.8
				Lo	73,600	40,500	21.6	11.9	71.8	69.9	22.1	21.1
	89		31.7	Hi	77,400	39,000	22.7	11.4	78.9	77.2	26.0	25.1
				Mi	76,700	37,200	22.5	10.9	77.6	76.0	25.3	24.4
				Lo	75,800	35,500	22.2	10.4	76.2	74.6	24.5	23.7
	95		35.0	Hi	80,100	30,500	23.5	8.9	85.2	84.0	29.6	28.9
				Mi	79,500	29,300	23.3	8.6	84.1	83.0	29.0	28.3
				Lo	78,600	28,000	23.0	8.2	82.9	81.8	28.3	27.6
109.2	73	42.9	22.8	Very Low	62,200	50,600	18.2	14.8	52.1	49.3	11.2	9.6
	78		25.5	Very Low	66,100	44,500	19.4	13.0	58.4	56.1	14.7	13.4
	82		27.8	Very Low	68,500	40,300	20.1	11.8	62.8	60.9	17.1	16.0
112	73	44.4	22.8	Very Low	61,000	52,800	17.9	15.5	53.1	49.9	11.7	10.0
	78		25.5	Very Low	64,600	46,700	18.9	13.7	59.4	56.8	15.2	13.8
	82		27.8	Very Low	66,800	42,500	19.6	12.4	63.8	61.5	17.7	16.4
118	73	47.8	22.8	Very Low	49,800	49,800	14.6	14.6	60.4	54.9	15.8	12.7
	78		25.5	Very Low	52,000	45,800	15.2	13.4	65.2	61.7	18.5	16.5

Notes

- The table shows the values measured under the following conditions.
  - The set temperature of the remote controller is 50°F (10°C)
  - The total indoor unit capacity is 100% of the connected outdoor unit capacity, and all connected indoor units are PEFY-P96NMHU-E-OA.
  - Measures taken when the fans on all connected indoor units are operated at the same speed.
  - Refrigerant is charged to the rated amount, the piping distance between indoor and outdoor units is 2.5ft (7.5 m), and the vertical separation between indoor and outdoor units is 0 m.
  - The fan speed is set to High on all indoor units. When the temperature exceeds 109°F (42.8°C), the fan speed is set to Very Low.
- The following is likely to occur when the outside temperature is below 77°F (25°C).
  - Repetitive cycling of Thermo-ON and OFF at approximately 5-minute intervals.
  - Hunting of the outlet temperature.
  - Outlet temperature is always below the setting temperature.
- The cooling capacity may be automatically decreased to protect the compressor when the outside temperature exceeds 104°F (40°C).
- The indoor unit fan speed will be automatically set to Very Low when the outside temperature exceeds 109°F (42.8°C).

8-2. Cooling capacity/outlet air temp. with WY/WR2-Series heat source units

PEFY-P36NMHU-E-OA

CA: Capacity, SHC: Sensible Heat Capacity

Outdoor temp.		Water temp.		Fan speed	Cooling capacity				Outlet air temp.			
					BTU/h		kW		°F		°C	
°F	°C	°F	°C		CA	SHC	CA	SHC	DB	WB	DB	WB
84DB/ 73WB	28.9DB/ 22.8WB	50	10.0	Hi	34,800	17,100	10.2	5.0	50.0	49.6	10.0	9.8
				Mi	31,000	15,300	9.1	4.5	50.0	49.6	10.0	9.8
				Lo	27,200	13,400	8.0	3.9	50.0	49.6	10.0	9.8
		68	20.0	Hi	33,100	16,400	9.7	4.8	51.6	51.2	10.9	10.7
				Mi	31,100	15,300	9.1	4.5	50.0	49.7	10.0	9.8
				Lo	27,200	13,400	8.0	3.9	50.0	49.6	10.0	9.8
		86	30.0	Hi	31,300	15,500	9.2	4.6	53.1	52.6	11.7	11.5
				Mi	29,500	14,600	8.6	4.3	51.6	51.2	10.9	10.7
				Lo	27,300	13,400	8.0	3.9	49.9	49.7	10.0	9.8
91DB/ 82WB	32.7DB/ 27.8WB	50	10.0	Hi	31,200	12,200	9.1	3.6	66.3	65.8	19.1	18.8
				Mi	30,200	11,700	8.8	3.4	64.5	64.1	18.1	17.9
				Lo	28,900	11,100	8.5	3.3	62.4	62.1	16.9	16.7
		68	20.0	Hi	33,600	13,100	9.9	3.8	64.7	64.3	18.2	18.0
				Mi	32,700	12,600	9.6	3.7	62.6	62.3	17.0	16.9
				Lo	31,400	12,000	9.2	3.5	60.1	60.0	15.6	15.6
		86	30.0	Hi	36,900	14,200	10.8	4.2	62.5	62.3	16.9	16.8
				Mi	34,800	13,400	10.2	3.9	60.9	60.8	16.1	16.0
				Lo	32,300	12,400	9.5	3.6	59.2	59.2	15.1	15.1
109DB/ 95WB	42.8DB/ 35.0WB	50	10.0	Hi	32,500	12,000	9.5	3.5	84.1	83.0	29.0	28.3
				Mi	31,500	11,200	9.2	3.3	82.8	81.7	28.2	27.6
				Lo	30,100	10,400	8.8	3.1	81.3	80.2	27.4	26.8
		68	20.0	Hi	35,600	12,700	10.4	3.7	82.7	81.6	28.2	27.6
				Mi	34,400	11,900	10.1	3.5	81.2	80.2	27.4	26.8
				Lo	33,000	11,100	9.7	3.3	79.5	78.6	26.4	25.9
		86	30.0	Hi	37,800	13,200	11.1	3.9	81.7	80.6	27.6	27.0
				Mi	36,400	12,400	10.7	3.6	80.2	79.2	26.8	26.2
				Lo	34,800	11,600	10.2	3.4	78.4	77.5	25.8	25.3
		104	40.0	Hi	33,200	12,100	9.7	3.6	83.8	82.6	28.8	28.1
				Mi	32,600	11,500	9.5	3.4	82.2	81.2	27.9	27.3
				Lo	31,600	10,800	9.3	3.2	80.4	79.4	26.9	26.3
109.2DB/ 78WB	42.9DB/ 25.5WB	113	45.0	Very Low	22,000	16,100	6.4	4.7	63.5	60.9	17.5	16.1
		104	40.0	Very Low	27,000	18,100	7.9	5.3	58.3	56.0	14.6	13.3
		86	30.0	Very Low	28,500	18,800	8.4	5.5	56.6	54.4	13.6	12.4
		68	20.0	Very Low	29,900	19,400	8.8	5.7	55.0	52.9	12.8	11.6
		50	10.0	Very Low	29,800	19,400	8.7	5.7	55.1	53.1	12.8	11.7
118DB/ 68WB	47.8DB/ 20.0WB	–	–	Very Low	24,500	23,000	7.2	6.8	50.0	49.6	10.0	9.8

Notes

- The table shows the values measured under the following conditions.
  - The set temperature of the remote controller is 50°F (10°C)
  - The total indoor unit capacity is 100% of the connected outdoor unit capacity, and all connected indoor units are PEFY-P36NMHU-E-OA.
  - Measures taken when the fans on all connected indoor units are operated at the same speed.
  - Refrigerant is charged to the rated amount, the piping distance between indoor and outdoor units is 2.5ft (7.5 m), and the vertical separation between indoor and outdoor units is 0 m.
  - The fan speed is set to High on all indoor units. When the temperature exceeds 109°F (42.8°C), the fan speed is set to Very Low.
- The following is likely to occur when the outside temperature is below 77°F (25°C).
  - Repetitive cycling of Thermo-ON and OFF at approximately 5-minute intervals.
  - Hunting of the outlet temperature.
  - Outlet temperature is always below the setting temperature.
- The cooling capacity may be automatically decreased to protect the compressor when the outside temperature exceeds 104°F (40°C).
- The indoor unit fan speed will be automatically set to Very Low when the outside temperature exceeds 109°F (42.8°C).

PEFY-P48NMHU-E-OA

CA: Capacity, SHC: Sensible Heat Capacity

Outdoor temp.		Water temp.		Fan speed	Cooling capacity				Outlet air temp.			
					BTU/h		kW		°F		°C	
°F	°C	°F	°C		CA	SHC	CA	SHC	DB	WB	DB	WB
84DB/ 73WB	28.9DB/ 22.8WB	50	10.0	Hi	46,600	22,900	13.7	6.7	50.0	49.6	10.0	9.8
				Mi	42,800	21,100	12.5	6.2	50.0	49.6	10.0	9.8
				Lo	39,000	19,200	11.4	5.6	50.0	49.6	10.0	9.8
		68	20.0	Hi	44,500	22,000	13.0	6.4	51.5	51.1	10.8	10.6
				Mi	43,000	21,200	12.6	6.2	50.0	49.7	10.0	9.8
				Lo	39,000	19,200	11.4	5.6	50.0	49.6	10.0	9.8
		86	30.0	Hi	42,000	20,900	12.3	6.1	53.0	52.6	11.7	11.4
				Mi	40,700	20,100	11.9	5.9	51.6	51.2	10.9	10.7
				Lo	39,200	19,300	11.5	5.6	49.9	49.7	10.0	9.8
91DB/ 82WB	32.7DB/ 27.8WB	50	10.0	Hi	41,900	16,400	12.3	4.8	66.2	65.8	19.0	18.8
				Mi	41,700	16,200	12.2	4.7	64.5	64.1	18.1	17.9
				Lo	41,400	16,000	12.1	4.7	62.4	62.1	16.9	16.7
		68	20.0	Hi	45,200	17,500	13.2	5.1	64.6	64.3	18.1	17.9
				Mi	45,100	17,400	13.2	5.1	62.6	62.3	17.0	16.9
				Lo	45,000	17,300	13.2	5.1	60.1	60.0	15.6	15.6
		86	30.0	Hi	49,500	19,100	14.5	5.6	62.4	62.2	16.9	16.8
				Mi	48,000	18,400	14.1	5.4	60.9	60.8	16.1	16.0
				Lo	46,300	17,800	13.6	5.2	59.2	59.2	15.1	15.1
109DB/ 95WB	42.8DB/ 35.0WB	50	10.0	Hi	43,600	16,000	12.8	4.7	84.1	82.9	28.9	28.3
				Mi	43,400	15,500	12.7	4.5	82.8	81.7	28.2	27.6
				Lo	43,200	15,000	12.7	4.4	81.3	80.2	27.4	26.8
		68	20.0	Hi	47,800	17,000	14.0	5.0	82.6	81.6	28.1	27.5
				Mi	47,600	16,400	13.9	4.8	81.2	80.2	27.4	26.8
				Lo	47,300	15,900	13.9	4.7	79.5	78.6	26.4	25.9
		86	30.0	Hi	50,700	17,700	14.9	5.2	81.6	80.6	27.6	27.0
				Mi	50,300	17,100	14.7	5.0	80.2	79.2	26.8	26.2
				Lo	49,900	16,600	14.6	4.9	78.4	77.5	25.8	25.3
		104	40.0	Hi	44,600	16,300	13.1	4.8	83.7	82.6	28.7	28.1
				Mi	44,900	15,800	13.2	4.6	82.2	81.2	27.9	27.3
				Lo	45,300	15,500	13.3	4.5	80.4	79.4	26.9	26.3
109.2DB/ 78WB	42.9DB/ 25.5WB	113	45.0	Very Low	29,500	21,400	8.7	6.3	62.9	60.4	17.2	15.8
		104	40.0	Very Low	36,300	24,100	10.6	7.1	57.5	55.3	14.1	12.9
		86	30.0	Very Low	38,300	25,000	11.2	7.3	55.7	53.6	13.2	12.0
		68	20.0	Very Low	40,200	25,900	11.8	7.6	54.0	52.1	12.2	11.2
		50	10.0	Very Low	40,000	25,800	11.7	7.6	54.2	52.2	12.3	11.2
118DB/ 68WB	47.8DB/ 20.0WB	–	–	Very Low	32,000	30,100	9.4	8.8	50.0	49.6	10.0	9.8

Notes

- The table shows the values measured under the following conditions.
  - The set temperature of the remote controller is 50°F (10°C)
  - The total indoor unit capacity is 100% of the connected outdoor unit capacity, and all connected indoor units are PEFY-P48NMHU-E-OA.
  - Measures taken when the fans on all connected indoor units are operated at the same speed.
  - Refrigerant is charged to the rated amount, the piping distance between indoor and outdoor units is 2.5ft (7.5 m), and the vertical separation between indoor and outdoor units is 0 m.
  - The fan speed is set to High on all indoor units. When the temperature exceeds 109°F (42.8°C), the fan speed is set to Very Low.
- The following is likely to occur when the outside temperature is below 77°F (25°C).
  - Repetitive cycling of Thermo-ON and OFF at approximately 5-minute intervals.
  - Hunting of the outlet temperature.
  - Outlet temperature is always below the setting temperature.
- The cooling capacity may be automatically decreased to protect the compressor when the outside temperature exceeds 104°F (40°C).
- The indoor unit fan speed will be automatically set to Very Low when the outside temperature exceeds 109°F (42.8°C).

PEFY-P72NMHU-E-OA

CA: Capacity, SHC: Sensible Heat Capacity

Outdoor temp.		Water temp.		Fan speed	Cooling capacity				Outlet air temp.			
					BTU/h		kW		°F		°C	
°F	°C	°F	°C		CA	SHC	CA	SHC	DB	WB	DB	WB
84DB/ 73WB	28.9DB/ 22.8WB	50	10.0	Hi	69,900	34,400	20.5	10.1	50.0	49.6	10.0	9.8
				Mi	62,300	30,600	18.2	9.0	50.0	49.6	10.0	9.8
				Lo	54,300	26,700	15.9	7.8	50.0	49.6	10.0	9.8
		68	20.0	Hi	66,600	32,900	19.5	9.6	51.6	51.2	10.9	10.7
				Mi	62,600	30,800	18.3	9.0	50.0	49.7	10.0	9.8
				Lo	54,300	26,700	15.9	7.8	50.0	49.6	10.0	9.8
		86	30.0	Hi	62,900	31,200	18.4	9.2	53.1	52.6	11.7	11.5
				Mi	59,200	29,200	17.4	8.6	51.6	51.2	10.9	10.7
				Lo	54,600	26,900	16.0	7.9	49.9	49.7	10.0	9.8
91DB/ 82WB	32.7DB/ 27.8WB	50	10.0	Hi	62,700	24,600	18.4	7.2	66.3	65.8	19.1	18.8
				Mi	60,700	23,500	17.8	6.9	64.5	64.1	18.1	17.9
				Lo	57,800	22,200	16.9	6.5	62.4	62.1	16.9	16.7
		68	20.0	Hi	67,600	26,200	19.8	7.7	64.7	64.3	18.2	17.9
				Mi	65,600	25,300	19.2	7.4	62.6	62.3	17.0	16.9
				Lo	62,700	24,100	18.4	7.1	60.1	60.0	15.6	15.6
		86	30.0	Hi	74,100	28,500	21.7	8.4	62.5	62.2	16.9	16.8
				Mi	69,900	26,800	20.5	7.9	60.9	60.8	16.1	16.0
				Lo	64,600	24,800	18.9	7.3	59.2	59.2	15.1	15.1
109DB/ 95WB	42.8DB/ 35.0WB	50	10.0	Hi	65,300	24,000	19.1	7.0	84.1	82.9	28.9	28.3
				Mi	63,200	22,500	18.5	6.6	82.8	81.7	28.2	27.6
				Lo	60,300	20,900	17.7	6.1	81.3	80.2	27.4	26.8
		68	20.0	Hi	71,500	25,400	21.0	7.5	82.7	81.6	28.2	27.5
				Mi	69,200	23,900	20.3	7.0	81.2	80.2	27.4	26.8
				Lo	65,900	22,200	19.3	6.5	79.5	78.6	26.4	25.9
		86	30.0	Hi	75,900	26,400	22.2	7.7	81.7	80.6	27.6	27.0
				Mi	73,200	24,900	21.5	7.3	80.2	79.2	26.8	26.2
				Lo	69,500	23,100	20.4	6.8	78.4	77.5	25.8	25.3
		104	40.0	Hi	66,700	24,400	19.6	7.1	83.8	82.6	28.8	28.1
				Mi	65,400	23,000	19.2	6.8	82.2	81.2	27.9	27.3
				Lo	63,200	21,500	18.5	6.3	80.4	79.4	26.9	26.3
109.2DB/ 78WB	42.9DB/ 25.5WB	113	45.0	Very Low	42,900	33,300	12.6	9.7	65.7	63.1	18.7	17.3
		104	40.0	Very Low	56,200	38,400	16.5	11.3	59.5	57.2	15.3	14.0
		86	30.0	Very Low	59,200	39,700	17.4	11.6	58.0	55.8	14.5	13.2
		68	20.0	Very Low	62,400	41,000	18.3	12.0	56.4	54.3	13.6	12.4
		50	10.0	Very Low	56,600	38,600	16.6	11.3	59.3	57.0	15.2	13.9
118DB/ 68WB	47.8DB/ 20.0WB	–	–	Very Low	53,300	50,100	15.6	14.7	50.0	49.6	10.0	9.8

Notes

- The table shows the values measured under the following conditions.
  - The set temperature of the remote controller is 50°F (10°C)
  - The total indoor unit capacity is 100% of the connected outdoor unit capacity, and all connected indoor units are PEFY-P72NMHU-E-OA.
  - Measures taken when the fans on all connected indoor units are operated at the same speed.
  - Refrigerant is charged to the rated amount, the piping distance between indoor and outdoor units is 2.5ft (7.5 m), and the vertical separation between indoor and outdoor units is 0 m.
  - The fan speed is set to High on all indoor units. When the temperature exceeds 109°F (42.8°C), the fan speed is set to Very Low.
- The following is likely to occur when the outside temperature is below 77°F (25°C).
  - Repetitive cycling of Thermo-ON and OFF at approximately 5-minute intervals.
  - Hunting of the outlet temperature.
  - Outlet temperature is always below the setting temperature.
- The cooling capacity may be automatically decreased to protect the compressor when the outside temperature exceeds 104°F (40°C).
- The indoor unit fan speed will be automatically set to Very Low when the outside temperature exceeds 109°F (42.8°C).

PEFY-P96NMHU-E-OA

CA: Capacity, SHC: Sensible Heat Capacity

Outdoor temp.		Water temp.		Fan speed	Cooling capacity				Outlet air temp.			
					BTU/h		kW		°F		°C	
°F	°C	°F	°C		CA	SHC	CA	SHC	DB	WB	DB	WB
84DB/ 73WB	28.9DB/ 22.8WB	50	10.0	Hi	93,300	45,900	27.3	13.5	50.0	49.6	10.0	9.8
				Mi	85,300	42,000	25.0	12.3	50.0	49.6	10.0	9.8
				Lo	77,600	38,200	22.8	11.2	50.0	49.6	10.0	9.8
		68	20.0	Hi	88,600	43,800	26.0	12.8	51.6	51.2	10.9	10.7
				Mi	85,700	42,200	25.1	12.4	50.0	49.7	10.0	9.8
				Lo	77,600	38,200	22.8	11.2	50.0	49.6	10.0	9.8
		86	30.0	Hi	83,800	41,600	24.6	12.2	53.1	52.6	11.7	11.5
				Mi	81,100	40,100	23.8	11.7	51.6	51.2	10.9	10.7
				Lo	78,100	38,400	22.9	11.3	49.9	49.7	10.0	9.8
91DB/ 82WB	32.7DB/ 27.8WB	50	10.0	Hi	83,500	32,800	24.5	9.6	66.3	65.9	19.1	18.8
				Mi	83,100	32,200	24.4	9.4	64.5	64.1	18.1	17.9
				Lo	82,600	31,800	24.2	9.3	62.4	62.1	16.9	16.7
		68	20.0	Hi	90,000	35,000	26.4	10.2	64.7	64.3	18.2	18.0
				Mi	89,900	34,600	26.4	10.2	62.6	62.3	17.0	16.9
				Lo	89,600	34,400	26.3	10.1	60.1	60.0	15.6	15.6
		86	30.0	Hi	98,600	38,000	28.9	11.1	62.5	62.3	17.0	16.8
				Mi	95,700	36,800	28.1	10.8	60.9	60.8	16.1	16.0
				Lo	92,300	35,400	27.1	10.4	59.2	59.2	15.1	15.1
109DB/ 95WB	42.8DB/ 35.0WB	50	10.0	Hi	86,900	32,000	25.5	9.4	84.1	83.0	29.0	28.3
				Mi	86,600	30,900	25.4	9.0	82.8	81.7	28.2	27.6
				Lo	86,100	29,800	25.2	8.7	81.3	80.2	27.4	26.8
		68	20.0	Hi	95,300	33,900	27.9	9.9	82.7	81.6	28.2	27.6
				Mi	94,800	32,800	27.8	9.6	81.2	80.2	27.4	26.8
				Lo	94,200	31,800	27.6	9.3	79.5	78.6	26.4	25.9
		86	30.0	Hi	101,000	35,200	29.6	10.3	81.7	80.7	27.6	27.0
				Mi	100,300	34,100	29.4	10.0	80.2	79.2	26.8	26.2
				Lo	99,400	33,100	29.1	9.7	78.4	77.5	25.8	25.3
		104	40.0	Hi	88,900	32,400	26.0	9.5	83.8	82.6	28.8	28.1
				Mi	89,600	31,600	26.3	9.3	82.2	81.2	27.9	27.3
				Lo	90,300	30,800	26.5	9.0	80.4	79.4	26.9	26.3
109.2DB/ 78WB	42.9DB/ 25.5WB	113	45.0	Very Low	58,800	41,500	17.2	12.2	61.6	59.1	16.4	15.1
		104	40.0	Very Low	72,300	47,200	21.2	13.8	55.6	53.6	13.1	12.0
		86	30.0	Very Low	76,400	49,100	22.4	14.4	53.7	51.8	12.1	11.0
		68	20.0	Very Low	80,100	50,800	23.5	14.9	51.9	50.1	11.1	10.1
		50	10.0	Very Low	79,800	50,700	23.4	14.9	52.1	50.2	11.1	10.1
118DB/ 68WB	47.8DB/ 20.0WB	–	–	Very Low	60,300	56,700	17.7	16.6	50.0	49.6	10.0	9.8

Notes

- The table shows the values measured under the following conditions.
  - The set temperature of the remote controller is 50°F (10°C)
  - The total indoor unit capacity is 100% of the connected outdoor unit capacity, and all connected indoor units are PEFY-P96NMHU-E-OA.
  - Measures taken when the fans on all connected indoor units are operated at the same speed.
  - Refrigerant is charged to the rated amount, the piping distance between indoor and outdoor units is 2.5ft (7.5 m), and the vertical separation between indoor and outdoor units is 0 m.
  - The fan speed is set to High on all indoor units. When the temperature exceeds 109°F (42.8°C), the fan speed is set to Very Low.
- The following is likely to occur when the outside temperature is below 77°F (25°C).
  - Repetitive cycling of Thermo-ON and OFF at approximately 5-minute intervals.
  - Hunting of the outlet temperature.
  - Outlet temperature is always below the setting temperature.
- The cooling capacity may be automatically decreased to protect the compressor when the outside temperature exceeds 104°F (40°C).
- The indoor unit fan speed will be automatically set to Very Low when the outside temperature exceeds 109°F (42.8°C).

8-3. Heating capacity/outlet air temp. with Y/R2-Series outdoor units

PEFY-P36NMHU-E-OA (*1)

SHC: Sensible Heat Capacity

Outdoor temp.				Fan speed	Heating capacity		Outlet air temp.	
°F		°C			BTU/h	kW	°F	°C
DB	WB	DB	WB		SHC		DB	
14	11	-10.0	-11.6	Hi	24,100	7.1	58.8	14.9
				Mi	24,000	7.0	64.2	17.9
				Lo	24,000	7.0	71.2	21.8
				Very Low	23,900	7.0	76.2	24.5
23	19	-5.0	-7.2	Hi	27,000	7.9	74.2	23.4
				Mi	26,900	7.9	80.3	26.9
				Lo	24,600	7.2	82.4	28.0
				Very Low	22,500	6.6	82.4	28.0
32	27	0.0	-2.8	Hi	25,900	7.6	82.4	28.0
				Mi	23,200	6.8	82.4	28.0
				Lo	20,500	6.0	82.4	28.0
41	36	5.0	2.2	Hi	20,800	6.1	82.4	28.0
				Mi	18,800	5.5	82.4	28.0
				Lo	16,400	4.8	82.4	28.0
50	45	10.0	7.2	Hi	16,000	4.7	82.4	28.0
				Mi	14,300	4.2	82.4	28.0
				Lo	12,600	3.7	82.4	28.0
59	54	15.0	12.2	Hi	11,300	3.3	82.4	28.0
				Mi	10,200	3.0	82.4	28.0
				Lo	8,900	2.6	82.4	28.0

PEFY-P48NMHU-E-OA (*2)

SHC: Sensible Heat Capacity

Outdoor temp.				Fan speed	Heating capacity		Outlet air temp.	
°F		°C			BTU/h	kW	°F	°C
DB	WB	DB	WB		SHC		DB	
14	11	-10.0	-11.6	Hi	32,100	9.4	58.6	14.8
				Mi	32,000	9.4	62.5	17.0
				Lo	32,000	9.4	67.2	19.6
				Very Low	31,900	9.4	77.4	25.2
23	19	-5.0	-7.2	Hi	36,000	10.6	74.0	23.3
				Mi	35,900	10.5	78.4	25.8
				Lo	35,100	10.3	82.4	28.0
				Very Low	29,300	8.6	82.4	28.0
32	27	0.0	-2.8	Hi	34,800	10.2	82.4	28.0
				Mi	32,100	9.4	82.4	28.0
				Lo	29,000	8.5	82.4	28.0
41	36	5.0	2.2	Hi	28,000	8.2	82.4	28.0
				Mi	25,900	7.6	82.4	28.0
				Lo	23,500	6.9	82.4	28.0
50	45	10.0	7.2	Hi	21,500	6.3	82.4	28.0
				Mi	19,800	5.8	82.4	28.0
				Lo	18,100	5.3	82.4	28.0
59	54	15.0	12.2	Hi	15,400	4.5	82.4	28.0
				Mi	14,000	4.1	82.4	28.0
				Lo	12,600	3.7	82.4	28.0

Notes

- The table shows the values measured under the following conditions.
  - The set temperature of the remote controller is 82°F (28°C)
  - The total indoor unit capacity is 100% of the connected outdoor unit capacity, and all connected indoor units are PEFY-P36NMHU-E-OA. (*1)
  - The total indoor unit capacity is 100% of the connected outdoor unit capacity, and all connected indoor units are PEFY-P48NMHU-E-OA. (*2)
  - Measures taken when the fans on all connected indoor units are operated at the same speed.
  - Refrigerant is charged to the rated amount, the piping distance between indoor and outdoor units is 2.5ft (7.5 m), and the vertical separation between indoor and outdoor units is 0 m.
  - The fan speed is set to High on all indoor units. Values in the parentheses indicate values under the fan speed setting of Very Low.
- When the outside temperature exceeds 41°F (5°C), the outlet temperature is likely to exceed the setting temperature.
- When the outside temperature is at or below 23°F (-5°C), the indoor unit fan speed can be automatically set to Very Low. (See the Service Handbook for details.)

PEFY-P72NMHU-E-OA (*3)

SHC: Sensible Heat Capacity

Outdoor temp.				Fan speed	Heating capacity		Outlet air temp.	
°F		°C			BTU/h	kW	°F	°C
DB	WB	DB	WB		SHC		DB	
14	11	-10.0	-11.6	Hi	48,100	14.1	58.6	14.8
				Mi	48,000	14.1	64.0	17.8
				Lo	47,900	14.0	71.1	21.7
				Very Low	47,900	14.0	71.1	21.7
23	19	-5.0	-7.2	Hi	54,000	15.8	74.0	23.3
				Mi	53,700	15.7	80.0	26.7
				Lo	48,800	14.3	82.4	28.0
				Very Low	48,800	14.3	82.4	28.0
32	27	0.0	-2.8	Hi	52,200	15.3	82.4	28.0
				Mi	46,700	13.7	82.4	28.0
				Lo	40,600	11.9	82.4	28.0
41	36	5.0	2.2	Hi	42,000	12.3	82.4	28.0
				Mi	37,500	11.0	82.4	28.0
				Lo	32,800	9.6	82.4	28.0
50	45	10.0	7.2	Hi	32,400	9.5	82.4	28.0
				Mi	28,700	8.4	82.4	28.0
				Lo	24,900	7.3	82.4	28.0
59	54	15.0	12.2	Hi	22,900	6.7	82.4	28.0
				Mi	20,500	6.0	82.4	28.0
				Lo	17,700	5.2	82.4	28.0

PEFY-P96NMHU-E-OA (*4)

SHC: Sensible Heat Capacity

Outdoor temp.				Fan speed	Heating capacity		Outlet air temp.	
°F		°C			BTU/h	kW	°F	°C
DB	WB	DB	WB		SHC		DB	
14	11	-10.0	-11.6	Hi	64,000	18.8	58.3	14.6
				Mi	64,100	18.8	62.7	17.1
				Lo	64,000	18.8	67.5	19.7
				Very Low	63,800	18.7	80.8	27.1
23	19	-5.0	-7.2	Hi	72,000	21.1	73.6	23.1
				Mi	71,800	21.0	78.6	25.9
				Lo	69,900	20.5	82.4	28.0
				Very Low	55,300	16.2	82.4	28.0
32	27	0.0	-2.8	Hi	69,600	20.4	82.4	28.0
				Mi	63,800	18.7	82.4	28.0
				Lo	58,000	17.0	82.4	28.0
41	36	5.0	2.2	Hi	56,300	16.5	82.4	28.0
				Mi	51,500	15.1	82.4	28.0
				Lo	46,700	13.7	82.4	28.0
50	45	10.0	7.2	Hi	43,000	12.6	82.4	28.0
				Mi	39,200	11.5	82.4	28.0
				Lo	35,800	10.5	82.4	28.0
59	54	15.0	12.2	Hi	30,400	8.9	82.4	28.0
				Mi	28,000	8.2	82.4	28.0
				Lo	25,200	7.4	82.4	28.0

Notes

- The table shows the values measured under the following conditions.
  - The set temperature of the remote controller is 82°F (28°C)
  - The total indoor unit capacity is 100% of the connected outdoor unit capacity, and all connected indoor units are PEFY-P72NMHU-E-OA. (*3)
  - The total indoor unit capacity is 100% of the connected outdoor unit capacity, and all connected indoor units are PEFY-P96NMHU-E-OA. (*4)
  - Measures taken when the fans on all connected indoor units are operated at the same speed.
  - Refrigerant is charged to the rated amount, the piping distance between indoor and outdoor units is 2.5ft (7.5 m), and the vertical separation between indoor and outdoor units is 0 m.
  - The fan speed is set to High on all indoor units. Values in the parentheses indicate values under the fan speed setting of Very Low.
- When the outside temperature exceeds 41°F (5°C), the outlet temperature is likely to exceed the setting temperature.
- When the outside temperature is at or below 23°F (-5°C), the indoor unit fan speed can be automatically set to Very Low. (See the Service Handbook for details.)

8-4. Heating capacity/outlet air temp. with H2i (Y)/H2i (R2)-Series outdoor units

PEFY-P36NMHU-E-OA (*1)

SHC: Sensible Heat Capacity

Outdoor temp.				Fan speed	Heating capacity		Outlet air temp.	
°F		°C			BTU/h	kW	°F	°C
DB	WB	DB	WB		SHC		DB	
14	11	-10.0	-11.6	Hi	25,900	7.6	62.2	16.8
				Mi	25,900	7.6	68.3	20.1
				Lo	25,900	7.6	75.9	24.4
				Very Low	26,300	7.7	82.4	27.5
23	19	-5.0	-7.2	Hi	28,700	8.4	77.4	25.2
				Mi	27,100	7.9	80.7	27.1
				Lo	24,600	7.2	82.4	28.0
				Very Low	22,500	6.6	82.4	28.0
32	27	0.0	-2.8	Hi	25,900	7.6	82.4	28.0
				Mi	23,200	6.8	82.4	28.0
				Lo	20,500	6.0	82.4	28.0
41	36	5.0	2.2	Hi	20,800	6.1	82.4	28.0
				Mi	18,800	5.5	82.4	28.0
				Lo	16,400	4.8	82.4	28.0
50	45	10.0	7.2	Hi	16,000	4.7	82.4	28.0
				Mi	14,300	4.2	82.4	28.0
				Lo	12,600	3.7	82.4	28.0
59	54	15.0	12.2	Hi	11,300	3.3	82.4	28.0
				Mi	10,200	3.0	82.4	28.0
				Lo	8,900	2.6	82.4	28.0

PEFY-P48NMHU-E-OA (*2)

SHC: Sensible Heat Capacity

Outdoor temp.				Fan speed	Heating capacity		Outlet air temp.	
°F		°C			BTU/h	kW	°F	°C
DB	WB	DB	WB		SHC		DB	
14	11	-10.0	-11.6	Hi	35,100	10.3	63.0	17.2
				Mi	35,000	10.3	67.1	19.5
				Lo	35,000	10.2	72.2	22.3
				Very Low	34,500	10.1	82.4	28.0
23	19	-5.0	-7.2	Hi	38,900	11.4	78.1	25.6
				Mi	37,300	10.9	80.6	27.0
				Lo	35,100	10.3	82.4	28.0
				Very Low	29,300	8.6	82.4	28.0
32	27	0.0	-2.8	Hi	34,800	10.2	82.4	28.0
				Mi	32,100	9.4	82.4	28.0
				Lo	29,000	8.5	82.4	28.0
41	36	5.0	2.2	Hi	28,000	8.2	82.4	28.0
				Mi	25,900	7.6	82.4	28.0
				Lo	23,500	6.9	82.4	28.0
50	45	10.0	7.2	Hi	21,500	6.3	82.4	28.0
				Mi	19,800	5.8	82.4	28.0
				Lo	18,100	5.3	82.4	28.0
59	54	15.0	12.2	Hi	15,400	4.5	82.4	28.0
				Mi	14,000	4.1	82.4	28.0
				Lo	12,600	3.7	82.4	28.0

Notes

- The table shows the values measured under the following conditions.
  - The set temperature of the remote controller is 82°F (28°C)
  - The total indoor unit capacity is 100% of the connected outdoor unit capacity, and all connected indoor units are PEFY-P36NMHU-E-OA. (*1)
  - The total indoor unit capacity is 100% of the connected outdoor unit capacity, and all connected indoor units are PEFY-P48NMHU-E-OA. (*2)
  - Measures taken when the fans on all connected indoor units are operated at the same speed.
  - Refrigerant is charged to the rated amount, the piping distance between indoor and outdoor units is 2.5ft (7.5 m), and the vertical separation between indoor and outdoor units is 0 m.
  - The fan speed is set to High on all indoor units. Values in the parentheses indicate values under the fan speed setting of Very Low.
- When the outside temperature exceeds 41°F (5°C), the outlet temperature is likely to exceed the setting temperature.
- When the outside temperature is at or below 23°F (-5°C), the indoor unit fan speed can be automatically set to Very Low. (See the Service Handbook for details.)

PEFY-P72NMHU-E-OA (*3)

SHC: Sensible Heat Capacity

Outdoor temp.				Fan speed	Heating capacity		Outlet air temp.	
°F		°C			BTU/h	kW	°F	°C
DB	WB	DB	WB		SHC		DB	
14	11	-10.0	-11.6	Hi	51,900	15.2	62.1	16.7
				Mi	51,700	15.2	67.8	19.9
				Lo	51,500	15.1	75.5	24.2
				Very Low	51,500	15.1	75.5	24.2
23	19	-5.0	-7.2	Hi	57,700	16.9	77.5	25.3
				Mi	53,500	15.7	79.7	26.5
				Lo	48,800	14.3	82.4	28.0
				Very Low	48,800	14.3	82.4	28.0
32	27	0.0	-2.8	Hi	52,200	15.3	82.4	28.0
				Mi	46,700	13.7	82.4	28.0
				Lo	40,600	11.9	82.4	28.0
41	36	5.0	2.2	Hi	42,000	12.3	82.4	28.0
				Mi	37,500	11.0	82.4	28.0
				Lo	32,800	9.6	82.4	28.0
50	45	10.0	7.2	Hi	32,400	9.5	82.4	28.0
				Mi	28,700	8.4	82.4	28.0
				Lo	24,900	7.3	82.4	28.0
59	54	15.0	12.2	Hi	22,900	6.7	82.4	28.0
				Mi	20,500	6.0	82.4	28.0
				Lo	17,700	5.2	82.4	28.0

PEFY-P96NMHU-E-OA (*4)

SHC: Sensible Heat Capacity

Outdoor temp.				Fan speed	Heating capacity		Outlet air temp.	
°F		°C			BTU/h	kW	°F	°C
DB	WB	DB	WB		SHC		DB	
14	11	-10.0	-11.6	Hi	70,100	20.6	63.0	17.2
				Mi	70,200	20.6	67.4	19.7
				Lo	70,100	20.6	72.6	22.5
				Very Low	64,800	19.0	82.4	28.0
23	19	-5.0	-7.2	Hi	78,100	22.9	78.4	25.8
				Mi	76,800	22.5	82.4	28.0
				Lo	69,900	20.5	82.4	28.0
				Very Low	55,300	16.2	82.4	28.0
32	27	0.0	-2.8	Hi	69,600	20.4	82.4	28.0
				Mi	63,800	18.7	82.4	28.0
				Lo	58,000	17.0	82.4	28.0
41	36	5.0	2.2	Hi	56,300	16.5	82.4	28.0
				Mi	51,500	15.1	82.4	28.0
				Lo	46,700	13.7	82.4	28.0
50	45	10.0	7.2	Hi	43,000	12.6	82.4	28.0
				Mi	39,200	11.5	82.4	28.0
				Lo	35,800	10.5	82.4	28.0
59	54	15.0	12.2	Hi	30,400	8.9	82.4	28.0
				Mi	28,000	8.2	82.4	28.0
				Lo	25,200	7.4	82.4	28.0

Notes

- The table shows the values measured under the following conditions.
  - The set temperature of the remote controller is 82°F (28°C)
  - The total indoor unit capacity is 100% of the connected outdoor unit capacity, and all connected indoor units are PEFY-P72NMHU-E-OA. (*3)
  - The total indoor unit capacity is 100% of the connected outdoor unit capacity, and all connected indoor units are PEFY-P96NMHU-E-OA. (*4)
  - Measures taken when the fans on all connected indoor units are operated at the same speed.
  - Refrigerant is charged to the rated amount, the piping distance between indoor and outdoor units is 2.5ft (7.5 m), and the vertical separation between indoor and outdoor units is 0 m.
  - The fan speed is set to High on all indoor units. Values in the parentheses indicate values under the fan speed setting of Very Low.
- When the outside temperature exceeds 41°F (5°C), the outlet temperature is likely to exceed the setting temperature.
- When the outside temperature is at or below 23°F (-5°C), the indoor unit fan speed can be automatically set to Very Low. (See the Service Handbook for details.)

8-5. Heating capacity/outlet air temp. with WY/WR2-Series heat source units

PEFY-P36NMHU-E-OA

SHC: Sensible Heat Capacity

Outdoor temp. DB		Water temp.		Fan speed	Heating capacity		Outlet air temp.	
					BTU/h	kW	°F	°C
°F	°C	°F	°C		SHC		DB	
14	-10.0	50	10.0	Hi	34,400	10.1	78.0	25.6
				Mi	32,800	9.6		
				Lo	28,700	8.4		
				Very Low	26,300	7.7		
		59 or higher	15.0 or higher	Hi	36,800	10.8		
				Mi	32,800	9.6		
				Lo	28,700	8.4		
				Very Low	26,300	7.7		
23	-5.0	50	10.0	Hi	31,400	9.2		
				Mi	28,000	8.2		
				Lo	24,600	7.2		
				Very Low	22,500	6.6		
		59 or higher	15.0 or higher	Hi	31,400	9.2		
				Mi	28,000	8.2		
				Lo	24,600	7.2		
				Very Low	22,500	6.6		
32	0.0	50	10.0	Hi	25,900	7.6		
				Mi	23,200	6.8		
				Lo	20,500	6.0		
		59 or higher	15.0 or higher	Hi	25,900	7.6		
				Mi	23,200	6.8	82.4	28
				Lo	20,500	6.0		
41	5.0	50	10.0	Hi	20,800	6.1		
				Mi	18,800	5.5		
				Lo	16,400	4.8		
		59 or higher	15.0 or higher	Hi	20,800	6.1		
				Mi	18,800	5.5		
				Lo	16,400	4.8		
50	10.0	50	10.0	Hi	16,000	4.7		
				Mi	14,300	4.2		
				Lo	12,600	3.7		
		59 or higher	15.0 or higher	Hi	16,000	4.7		
				Mi	14,300	4.2		
				Lo	12,600	3.7		
59	15.0	50	10.0	Hi	11,300	3.3		
				Mi	10,200	3.0		
				Lo	8,900	2.6		
		59 or higher	15.0 or higher	Hi	11,300	3.3		
				Mi	10,200	3.0		
				Lo	8,900	2.6		

Notes

- The table shows the values measured under the following conditions.
  - The set temperature of the remote controller is 82°F (28°C)
  - The total indoor unit capacity is 100% of the connected outdoor unit capacity, and all connected indoor units are PEFY-P36NMHU-E-OA.
  - Measures taken when the fans on all connected indoor units are operated at the same speed.
  - Refrigerant is charged to the rated amount, the piping distance between indoor and outdoor units is 2.5ft (7.5 m), and the vertical separation between indoor and outdoor units is 0 m.
  - The fan speed is set to High on all indoor units. Values in the parentheses indicate values under the fan speed setting of Very Low.
- When the outside temperature exceeds 41°F (5°C), the outlet temperature is likely to exceed the setting temperature.
- When the outside temperature is at or below 23°F (-5°C), the indoor unit fan speed can be automatically set to Very Low. (See the Service Handbook for details.)

PEFY-P48NMHU-E-OA

SHC: Sensible Heat Capacity

Outdoor temp.		Water temp.		Fan speed	Heating capacity		Outlet air temp.	
DB					BTU/h	kW	°F	°C
°F	°C	°F	°C		SHC		DB	
14	-10.0	50	10.0	Hi	46,000	13.5	78.0	25.6
				Mi	45,000	13.2	82.4	28
				Lo	40,900	12.0		
				Very Low	34,500	10.1		
		59 or higher	15.0 or higher	Hi	49,100	14.4		
				Mi	45,000	13.2		
				Lo	40,900	12.0		
				Very Low	34,500	10.1		
23	-5.0	50	10.0	Hi	42,000	12.3		
				Mi	38,600	11.3		
				Lo	35,100	10.3		
				Very Low	29,300	8.6		
		59 or higher	15.0 or higher	Hi	42,000	12.3		
				Mi	38,600	11.3		
				Lo	35,100	10.3		
				Very Low	29,300	8.6		
32	0.0	50	10.0	Hi	34,800	10.2		
				Mi	32,100	9.4		
				Lo	29,000	8.5		
		59 or higher	15.0 or higher	Hi	34,800	10.2		
				Mi	32,100	9.4		
				Lo	29,000	8.5		
41	5.0	50	10.0	Hi	28,000	8.2		
				Mi	25,900	7.6		
				Lo	23,500	6.9		
		59 or higher	15.0 or higher	Hi	28,000	8.2		
				Mi	25,900	7.6		
				Lo	23,500	6.9		
50	10.0	50	10.0	Hi	21,500	6.3		
				Mi	19,800	5.8		
				Lo	18,100	5.3		
		59 or higher	15.0 or higher	Hi	21,500	6.3		
				Mi	19,800	5.8		
				Lo	18,100	5.3		
59	15.0	50	10.0	Hi	15,400	4.5		
				Mi	14,000	4.1		
				Lo	12,600	3.7		
		59 or higher	15.0 or higher	Hi	15,400	4.5		
				Mi	14,000	4.1		
				Lo	12,600	3.7		

Notes

- The table shows the values measured under the following conditions.
  - The set temperature of the remote controller is 82°F (28°C)
  - The total indoor unit capacity is 100% of the connected outdoor unit capacity, and all connected indoor units are PEFY-P48NMHU-E-OA.
  - Measures taken when the fans on all connected indoor units are operated at the same speed.
  - Refrigerant is charged to the rated amount, the piping distance between indoor and outdoor units is 2.5ft (7.5 m), and the vertical separation between indoor and outdoor units is 0 m.
  - The fan speed is set to High on all indoor units. Values in the parentheses indicate values under the fan speed setting of Very Low.
- When the outside temperature exceeds 41°F (5°C), the outlet temperature is likely to exceed the setting temperature.
- When the outside temperature is at or below 23°F (-5°C), the indoor unit fan speed can be automatically set to Very Low. (See the Service Handbook for details.)

PEFY-P72NMHU-E-OA

SHC: Sensible Heat Capacity

Outdoor temp.		Water temp.		Fan speed	Heating capacity		Outlet air temp.	
DB					BTU/h	kW	°F	°C
°F	°C	°F	°C		SHC		DB	
14	-10.0	50	10.0	Hi	69,000	20.2	78.0	25.6
				Mi	65,500	19.2		
				Lo	57,300	16.8		
				Very Low	57,300	16.8		
		59 or higher	15.0 or higher	Hi	73,700	21.6		
				Mi	65,500	19.2		
				Lo	57,300	16.8		
				Very Low	57,300	16.8		
23	-5.0	50	10.0	Hi	62,800	18.4		
				Mi	56,000	16.4		
				Lo	48,800	14.3		
				Very Low	48,800	14.3		
		59 or higher	15.0 or higher	Hi	62,800	18.4		
				Mi	56,000	16.4		
				Lo	48,800	14.3		
				Very Low	48,800	14.3		
32	0.0	50	10.0	Hi	52,200	15.3		
				Mi	46,700	13.7		
				Lo	40,600	11.9		
		59 or higher	15.0 or higher	Hi	52,200	15.3		
				Mi	46,700	13.7	82.4	28
				Lo	40,600	11.9		
41	5.0	50	10.0	Hi	42,000	12.3		
				Mi	37,500	11.0		
				Lo	32,800	9.6		
		59 or higher	15.0 or higher	Hi	42,000	12.3		
				Mi	37,500	11.0		
				Lo	32,800	9.6		
50	10.0	50	10.0	Hi	32,400	9.5		
				Mi	28,700	8.4		
				Lo	24,900	7.3		
		59 or higher	15.0 or higher	Hi	32,400	9.5		
				Mi	28,700	8.4		
				Lo	24,900	7.3		
59	15.0	50	10.0	Hi	22,900	6.7		
				Mi	20,500	6.0		
				Lo	17,700	5.2		
		59 or higher	15.0 or higher	Hi	22,900	6.7		
				Mi	20,500	6.0		
				Lo	17,700	5.2		

Notes

- The table shows the values measured under the following conditions.
  - The set temperature of the remote controller is 82°F (28°C)
  - The total indoor unit capacity is 100% of the connected outdoor unit capacity, and all connected indoor units are PEFY-P72NMHU-E-OA.
  - Measures taken when the fans on all connected indoor units are operated at the same speed.
  - Refrigerant is charged to the rated amount, the piping distance between indoor and outdoor units is 2.5ft (7.5 m), and the vertical separation between indoor and outdoor units is 0 m.
  - The fan speed is set to High on all indoor units. Values in the parentheses indicate values under the fan speed setting of Very Low.
- When the outside temperature exceeds 41°F (5°C), the outlet temperature is likely to exceed the setting temperature.
- When the outside temperature is at or below 23°F (-5°C), the indoor unit fan speed can be automatically set to Very Low. (See the Service Handbook for details.)

PEFY-P96NMHU-E-OA

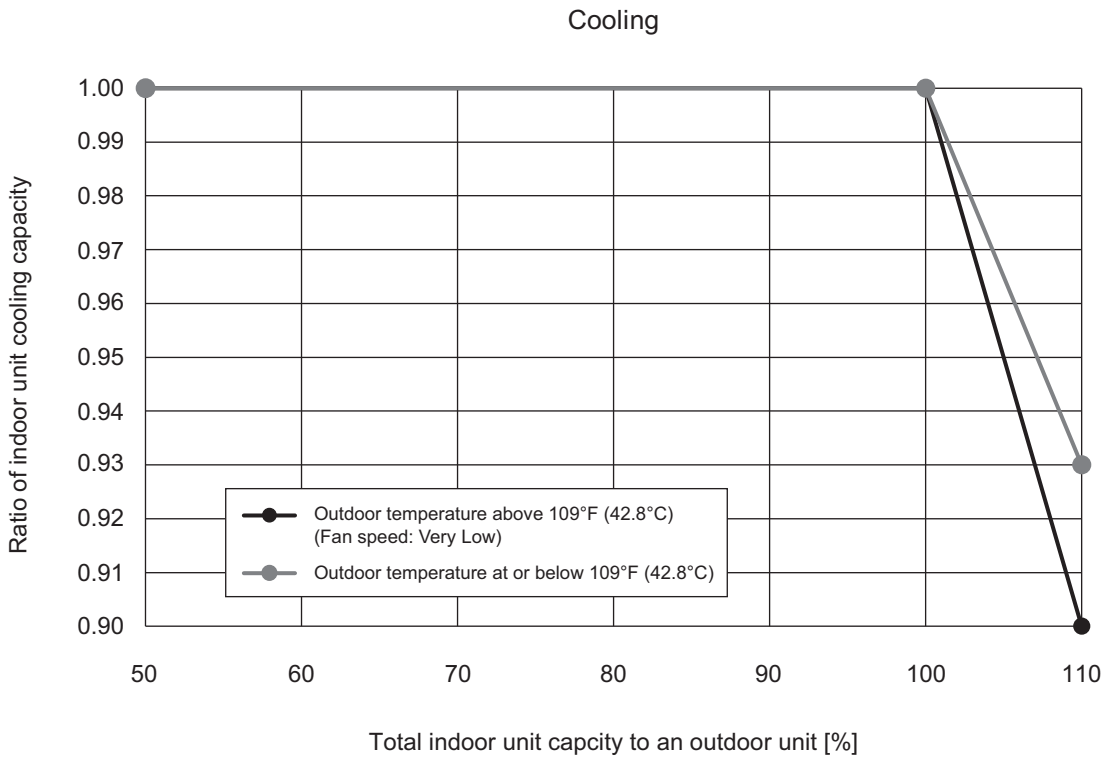
SHC: Sensible Heat Capacity

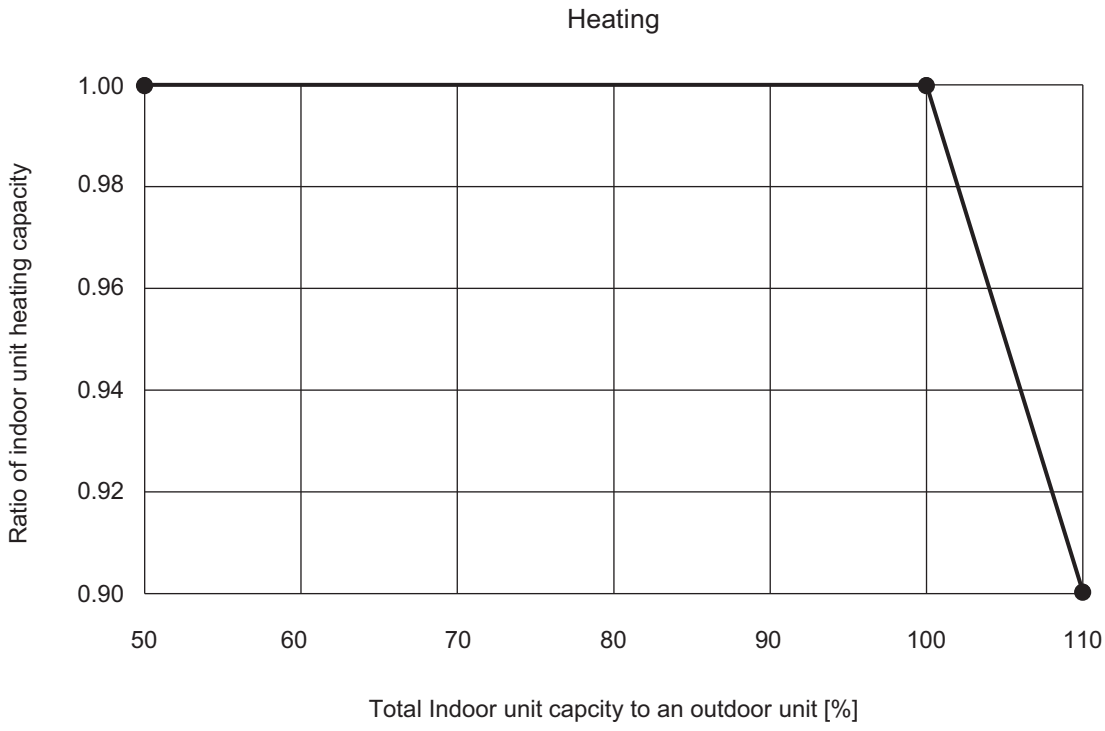
Outdoor temp. DB		Water temp.		Fan speed	Heating capacity		Outlet air temp.	
					BTU/h	kW	°F	°C
°F	°C	°F	°C		SHC		DB	
14	-10.0	50	10.0	Hi	92,000	27.0	77.4	25.2
				Mi	90,100	26.4	82.4	28
				Lo	81,900	24.0		
				Very Low	64,800	19.0		
		59 or higher	15.0 or higher	Hi	98,300	28.8		
				Mi	90,100	26.4		
				Lo	81,900	24.0		
				Very Low	64,800	19.0		
23	-5.0	50	10.0	Hi	83,900	24.6		
				Mi	76,800	22.5		
				Lo	69,900	20.5		
				Very Low	55,300	16.2		
		59 or higher	15.0 or higher	Hi	83,900	24.6		
				Mi	76,800	22.5		
				Lo	69,900	20.5		
				Very Low	55,300	16.2		
32	0.0	50	10.0	Hi	69,600	20.4		
				Mi	63,800	18.7		
				Lo	58,000	17.0		
		59 or higher	15.0 or higher	Hi	69,600	20.4		
				Mi	63,800	18.7		
				Lo	58,000	17.0		
41	5.0	50	10.0	Hi	56,300	16.5		
				Mi	51,500	15.1		
				Lo	46,700	13.7		
		59 or higher	15.0 or higher	Hi	56,300	16.5		
				Mi	51,500	15.1		
				Lo	46,700	13.7		
50	10.0	50	10.0	Hi	43,000	12.6		
				Mi	39,200	11.5		
				Lo	35,800	10.5		
		59 or higher	15.0 or higher	Hi	43,000	12.6		
				Mi	39,200	11.5		
				Lo	35,800	10.5		
59	15.0	50	10.0	Hi	30,400	8.9		
				Mi	28,000	8.2		
				Lo	25,200	7.4		
		59 or higher	15.0 or higher	Hi	30,400	8.9		
				Mi	28,000	8.2		
				Lo	25,200	7.4		

Notes

- The table shows the values measured under the following conditions.
  - The set temperature of the remote controller is 82°F (28°C)
  - The total indoor unit capacity is 100% of the connected outdoor unit capacity, and all connected indoor units are PEFY-P96NMHU-E-OA.
  - Measures taken when the fans on all connected indoor units are operated at the same speed.
  - Refrigerant is charged to the rated amount, the piping distance between indoor and outdoor units is 2.5ft (7.5 m), and the vertical separation between indoor and outdoor units is 0 m.
  - The fan speed is set to High on all indoor units. Values in the parentheses indicate values under the fan speed setting of Very Low.
- When the outside temperature exceeds 41°F (5°C), the outlet temperature is likely to exceed the setting temperature.
- When the outside temperature is at or below 23°F (-5°C), the indoor unit fan speed can be automatically set to Very Low. (See the Service Handbook for details.)

8-6. Correction by total indoor





♦ When all connected indoor units are PEFY-P-NMHU-E-OA

Symbols: MCA (Max.Circuit Amps =1.25xFLA), FLA (Full Load Amps)
IFM (Indoor Fan Motor), Output (Fan motor rated output)

PEFY-P-NMHU-E-OA	Power supply			IFM	
	Volts/Hz	Range ±10%	MCA (A) (208V/230V)	Output (kW)	FLA (A) (208V/230V)
PEFY-P36NMHU-E-OA	208, 230V/60 Hz	Max.: 253V Min.: 198V	3.3/3.0	0.244	2.7/2.4
PEFY-P48NMHU-E-OA			3.3/3.0	0.244	2.7/2.4
PEFY-P72NMHU-E-OA			4.8/4.3	0.375	3.8/3.5
PEFY-P96NMHU-E-OA			4.8/4.3	0.375	3.8/3.5

10-1. PAR-30MAOA



Controller specifications

	Specification
Product size	120(W) x 120(H) x 19(D) mm (4 3/4 x 4 3/4 x 3/4 [in]) (not including the protruding part)
Net weight	0.25 kg (9/16 lbs)
Rated power supply voltage	12 VDC (supplied from indoor units)
Power consumption	0.3 W
Usage environment	Temperature 0 - 40ºC (32 - 104ºF) Humidity 30 - 90%RH (with no dew condensation)
Material	Panel: PMMA Main body: PC + ABS
Sound Pressure Level	The A-weighted sound pressure level is below 70 dB.

Function list (as of March 1, 2018) ○ : Supported × : Unsupported

	Function	CITY MULTI	Required password
Operation/ Display	Power ON/OFF	○	-
	Operation mode switch	○	-
	Temperature setting	○	-
	Auto (dual set point) mode	○	-
	Fan speed setting	○	-
	Vane angle setting	○	-
	Louver setting	○	-
	Ventilation setting	○	-
	High power operation	×	-
	Auto descending panel	○	-
	Backlight	○	-
	Contrast setting	○	administrator
	Main display mode switch	○	administrator
	Clock setting	○	administrator
	Clock display format setting	○	administrator
	Language selection (3 languages)	○	administrator
	Daylight saving time	○	administrator
	Outlet air temperature display	○	administrator
	Error display	○	-
	Filter information	○	-
Schedule/ Timer	On/Off timer	○	administrator
	Auto-off timer	○	administrator
	Weekly timer	○	administrator
	Night setback	○	administrator
	OU silent mode	×	administrator
Energy saving	Auto return	○	administrator
	Schedule	×	administrator
Restriction	Operation lock	○	administrator
	Temperature range restriction	○	administrator
	Password (Administrator and Maintenance)	○	administrator maintenance
Others	Manual vane angle	○	-
	3D i-See sensor	○	-
	Test run	○	maintenance
	Model information input	○	maintenance
	Dealer information input	○	maintenance
	Function setting	○	maintenance

* The supported functions vary depending on the unit model.

List of functions that can/cannot be used in combination

	High power	On/Off timer	Auto-off timer	Weekly timer	OU silent mode	Temperature range	Operation lock	Auto return	Energy saving schedule	Night setback *1
High power		○	○	○	△1	○	△2	○	△1	○
On/Off timer	○		○	×1	○	○	○	○	○	△3
Auto-off timer	○	○		○	○	○	○	○	○	△4
Weekly timer	○	×1	○		○	○	○	○	○	△5
OU silent mode	△1	○	○	○		○	○	○	○	○
Temperature range	○	○	○	○	○		○	×2	○	△6
Operation lock	△2	○	○	○	○	○		○	○	○
Auto return	○	○	○	○	○	×2	○		○	△7
Energy saving schedule	△1	○	○	○	○	○	○	○		○
Night setback *1	○	△3	△4	△5	○	△6	○	△7	○	

○: Can be used in combination ×: Cannot be used in combination △: Restricted

△ 1: This function is enabled after completing the high power operation because the high power operation has the higher priority.

△ 2: This function cannot be operated if some operation is locked.

△ 3: Night setback function cannot be used when the unit is in operation by On/Off timer setting.

△ 4: Auto-off function cannot be used for Night setback operation.

△ 5: Night setback function cannot be used when the unit is in operation by Weekly timer setting.

△ 6: Temperature range setting cannot be used for Night setback operation.

△ 7: Auto return function cannot be used for Night setback operation.

× 1: Weekly timer setting is not effective because On/Off timer has the higher priority.

× 2: Auto return function cannot be used because Temperature range setting has the higher priority.

*1 This function cannot be used on the Fresh Air Intake model units.

for a greener tomorrow

Eco Changes is the Mitsubishi Electric Group's environmental statement, and expresses the Group's stance on environmental management. Through a wide range of businesses, we are helping contribute to the realization of a sustainable society.

⚠Warning

■ Do not use refrigerant other than the type indicated in the manuals provided with the unit and on the nameplate.
- Doing so may cause the unit or pipes to burst, or result in explosion or fire during use, repair, or at the time of disposal of the unit.
- It may also be in violation of applicable laws.
- MITSUBISHI ELECTRIC CORPORATION cannot be held responsible for malfunctions or accidents resulting from the use of the wrong type of refrigerant.

■ Our air conditioning equipment and heat pumps contain a fluorinated greenhouse gas, R410A.

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