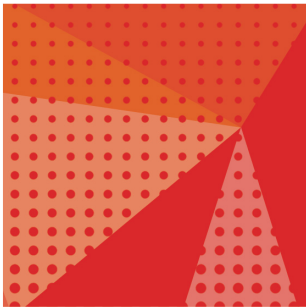


AIR CONDITIONING SYSTEMS

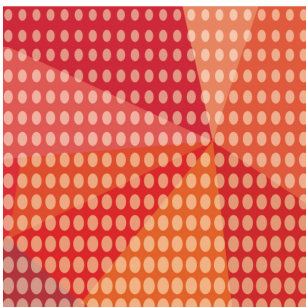
CITY MULTI



DATA BOOK

MODEL

PEFY-L-NMSU-A



PEFY-L-NMSU-A

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1. SPECIFICATIONS

Ceiling concealed (Low static pressure type)

PEFY-L-NMSU-A

Model			PEFY-L06NMSU-A	PEFY-L08NMSU-A	PEFY-L12NMSU-A	PEFY-L15NMSU-A	
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	6,000	8,000	12,000	15,000	
		*1 kW	1.8	2.3	3.5	4.4	
	*2	Power input	kW	0.032	0.044	0.064	0.052
		*2 Current input	A	0.37/0.36	0.49/0.44	0.67/0.63	0.54/0.50
Heating capacity	*3	BTU/h	6,700	9,000	13,500	17,000	
		*3 kW	2.0	2.6	4.0	5.0	
	*2	Power input	kW	0.030	0.042	0.062	0.050
		*2 Current input	A	0.32/0.31	0.44/0.39	0.62/0.58	0.49/0.45
External finish			Galvanized steel plate	Galvanized steel plate	Galvanized steel plate	Galvanized steel plate	
External dimension H x W x D		inch	7-7/8 x 31-1/8 x 27-9/16	7-7/8 x 31-1/8 x 27-9/16	7-7/8 x 31-1/8 x 27-9/16	7-7/8 x 39 x 27-9/16	
		mm	200 x 790 x 700	200 x 790 x 700	200 x 790 x 700	200 x 990 x 700	
Net weight		lbs (kg)	42 (19)	43 (19.5)	45 (20)	53 (24)	
Heat exchanger			Cross fin (Aluminum fin and copper tube)	Cross fin (Aluminum fin and copper tube)	Cross fin (Aluminum fin and copper tube)	Cross fin (Aluminum fin and copper tube)	
FAN	Type x Quantity		Sirocco fan x 2	Sirocco fan x 2	Sirocco fan x 2	Sirocco fan x 3	
	*4	External static press.	in.WG	<0.02> - 0.06 - <0.14> - <0.20>	<0.02> - 0.06 - <0.14> - <0.20>	<0.02> - 0.06 - <0.14> - <0.20>	
			Pa	<5> - 15 - <35> - <50>	<5> - 15 - <35> - <50>	<5> - 15 - <35> - <50>	
	Motor Type		DC motor	DC motor	DC motor	DC motor	
	Motor output		kW	0.096	0.096	0.096	0.096
	Driving mechanism		Direct-driven by motor	Direct-driven by motor	Direct-driven by motor	Direct-driven by motor	
	Air flow rate		(Low-Mid-High)	(Low-Mid-High)	(Low-Mid-High)	(Low-Mid-High)	
			cfm	176 - 212 - 247	194 - 247 - 317	211 - 282 - 370	282 - 335 - 388
			m³/min	5.0 - 6.0 - 7.0	5.5 - 7.0 - 9.0	6.0 - 8.0 - 10.5	8.0 - 9.5 - 11.0
	L/s		83 - 100 - 117	92 - 117 - 150	100 - 133 - 175	133 - 158 - 183	
Sound pressure level (measured in anechoic room)			(Low-Mid-High)	(Low-Mid-High)	(Low-Mid-High)	(Low-Mid-High)	
*2		dB <A>	22-24-28	23-26-30	23-28-34	28-30-33	
Insulation material			Polystyrene foam, Polyethylene foam, Urethane foam	Polystyrene foam, Polyethylene foam, Urethane foam	Polystyrene foam, Polyethylene foam, Urethane foam	Polystyrene foam, Polyethylene foam, Urethane foam	
Air filter			PP honeycomb fabric.	PP honeycomb fabric.	PP honeycomb fabric.	PP honeycomb fabric.	
Protection device			Fuse	Fuse	Fuse	Fuse	
Refrigerant control device			LEV	LEV	LEV	LEV	
Connectable outdoor unit			R454B CITY MULTI	R454B CITY MULTI	R454B CITY MULTI	R454B CITY MULTI	
Diameter of refrigerant pipe	Liquid (R454B)	inch (mm)	1/4 (6.35)Braze	1/4 (6.35)Braze	1/4 (6.35)Braze	1/4 (6.35)Braze	
	Gas (R454B)	inch (mm)	1/2 (12.7)Braze	1/2 (12.7)Braze	1/2 (12.7)Braze	1/2 (12.7)Braze	
Field drain pipe size		inch (mm)	O.D.1-1/4 (32)	O.D.1-1/4 (32)	O.D.1-1/4 (32)	O.D.1-1/4 (32)	
Drawing	External		KB94C8Q4	KB94C8Q4	KB94C8Q4	KB94C8Q4	
	Wiring		KB94C8Q7	KB94C8Q7	KB94C8Q7	KB94C8Q7	
	Refrigerant cycle		-	-	-	-	
Standard attachment	Document		Installation Manual, Instruction Book	Installation Manual, Instruction Book	Installation Manual, Instruction Book	Installation Manual, Instruction Book	
	Accessory		Washer, Drain socket, Tie band	Washer, Drain socket, Tie band	Washer, Drain socket, Tie band	Washer, Drain socket, Tie band	
Optional parts	External heater adapter		PAC-YU25HT	PAC-YU25HT	PAC-YU25HT	PAC-YU25HT	
Remarks			* Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual. * Due to continuing improvement, above specifications may be subject to change without notice.				

Notes:		Unit converter
1.Nominal cooling conditions Indoor: 80°FDB./67°FWB. (26.7°CDB./19.4°CWB.), Outdoor: 95°FDB. (35°CDB.) Pipe length: 25 ft. (7.6 m), Level difference: 0 ft. (0 m)		BTU/h =kW x 3.412
2.The values are measured at the factory setting of external static pressure.		cfm =m ³ /min x 35.31
3.Nominal heating conditions Indoor: 70°FDB. (21.1°CDB.), Outdoor: 47°FDB./43°FWB. (8.3°CDB./6.1°CWB.) Pipe length: 25 ft. (7.6 m), Level difference: 0 ft. (0 m)		lbs =kg/0.4536
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.Auxiliary devices which may be a potential ignition source shall not be installed in the duct work. Examples of such potential ignition sources are hot surfaces with a temperature exceeding 700°C [1292°F] and electric switching devices.		*Above specification data is subject to rounding variation.

1. SPECIFICATIONS

Ceiling concealed (Low static pressure type)

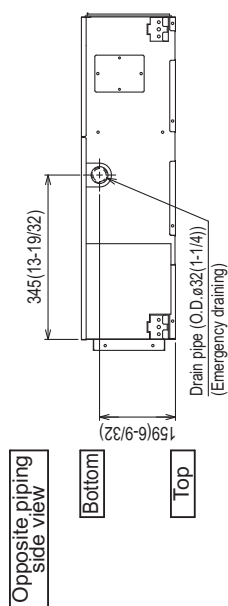
Model				PEFY-L18NMSU-A		PEFY-L24NMSU-A				
Power source				1-phase 208/230 V 60 Hz		1-phase 208/230 V 60 Hz				
Cooling capacity		*1	BTU/h	18,000		24,000				
		*1	kW	5.3		7.0				
		*2	Power input	kW	0.082		0.102			
		*2	Current input	A	0.75/0.71		0.87/0.81			
Heating capacity		*3	BTU/h	20,000		27,000				
		*3	kW	5.9		7.9				
		*2	Power input	kW	0.080		0.100			
		*2	Current input	A	0.70/0.66		0.82/0.76			
External finish				Galvanized steel plate		Galvanized steel plate				
External dimension H x W x D			inch	7-7/8 x 39 x 27-9/16		7-7/8 x 46-7/8 x 27-9/16				
			mm	200 x 990 x 700		200 x 1,190 x 700				
Net weight			lbs (kg)	53 (24)		60 (27)				
Heat exchanger				Cross fin (Aluminum fin and copper tube)		Cross fin (Aluminum fin and copper tube)				
FAN	Type x Quantity			Sirocco fan x 3		Sirocco fan x 4				
	*4	External static press.	in.WG	<0.02> - 0.06 - <0.14> - <0.20>		<0.02> - 0.06 - <0.14> - <0.20>				
			Pa	<5> - 15 - <35> - <50>		<5> - 15 - <35> - <50>				
	Motor Type			DC motor		DC motor				
	Motor output		kW	0.096		0.096				
	Driving mechanism			Direct-driven by motor		Direct-driven by motor				
	Air flow rate			(Low-Mid-High)		(Low-Mid-High)				
		cfm	353 - 441 - 529		423 - 565 - 706					
		m³/min	10.0 - 12.5 - 15.0		12.0 - 16.0 - 20.0					
		L/s	167 - 208 - 250		200 - 267 - 333					
Sound pressure level (measured in anechoic room)				(Low-Mid-High)		(Low-Mid-High)				
				*2	dB <A>	30-34-37		30-35-40		
Insulation material				Polystyrene foam, Polyethylene foam, Urethane foam		Polystyrene foam, Polyethylene foam, Urethane foam				
Air filter				PP honeycomb fabric.		PP honeycomb fabric.				
Protection device				Fuse		Fuse				
Refrigerant control device				LEV		LEV				
Connectable outdoor unit				R454B CITY MULTI		R454B CITY MULTI				
Diameter of refrigerant pipe		Liquid (R454B)	inch (mm)	1/4 (6.35)Braze		3/8 (9.52)Braze				
		Gas (R454B)	inch (mm)	1/2 (12.7)Braze		5/8 (15.88)Braze				
Field drain pipe size			inch (mm)	O.D.1-1/4 (32)		O.D.1-1/4 (32)				
Drawing	External			KB94C8Q4		KB94C8Q4				
	Wiring			KB94C8Q7		KB94C8Q7				
	Refrigerant cycle			-		-				
Standard attachment	Document			Installation Manual, Instruction Book		Installation Manual, Instruction Book				
	Accessory			Washer, Drain socket, Tie band		Washer, Drain socket, Tie band				
Optional parts	External heater adapter			PAC-YU25HT		PAC-YU25HT				
Remarks				* Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual. * Due to continuing improvement, above specifications may be subject to change without notice.						

Notes:		Unit converter
1.Nominal cooling conditions Indoor: 80°F.D.B./67°F.W.B. (26.7°C.D.B./19.4°C.W.B.), Outdoor: 95°F.D.B. (35°C.D.B.) Pipe length: 25 ft. (7.6 m), Level difference: 0 ft. (0 m)		BTU/h =kW x 3,412
2.The values are measured at the factory setting of external static pressure.		cfm =m ³ /min x 35.31
3.Nominal heating conditions Indoor: 70°F.D.B. (21.1°C.D.B.), Outdoor: 47°F.D.B./43°F.W.B. (8.3°C.D.B./6.1°C.W.B.) Pipe length: 25 ft. (7.6 m), Level difference: 0 ft. (0 m)		lbs =kg/0.4536
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.Auxiliary devices which may be a potential ignition source shall not be installed in the duct work. Examples of such potential ignition sources are hot surfaces with a temperature exceeding 700°C [1292°F] and electric switching devices.		*Above specification data is subject to rounding variation.

PEFY-L06, 08, 12, 15, 18, 24NMSU-A

Unit: mm (in.)

Model	A	B	C	D	E	F	G	H	J	K	L	M	① Gas pipe	② Liquid pipe
PEFY-L06NMSU-A	700	752	798	660	7	600	660	5	500	16	839	790	ø12.7	ø6.35
PEFY-L08NMSU-A	(27-9/16)	(29-5/8)	(31-7/16)	(26)		(23-5/8)	(26)		(19-11/16)		(33-1/16)	(31-1/8)	(1/2)	(1/4)
PEFY-L12NMSU-A	900	952	998	860	9	800	860	7	700	20	1039	990		
PEFY-L15NMSU-A	(35-7/16)	(37-1/2)	(39-5/16)	(33-7/8)		(31-1/2)	(33-7/8)		(27-9/16)		(40-29/32)	(39)		
PEFY-L18NMSU-A	1100	1152	1198	1060	11	1000	1060	9	900	24	1239	1190	ø15.88	ø9.52
PEFY-L24NMSU-A	(43-5/16)	(45-3/8)	(47-3/16)	(41-3/4)		(39-3/8)	(41-3/4)		(35-7/16)		(48-25/32)	(46-7/8)	(5/8)	(3/8)



Outlet air side view

15 (19/32)

25 (1)

57 (2-1/4)

25 (1)

15 (19/32)

25 (1)

57 (2-1/4)

25 (1)

15 (19/32)

25 (1)

57 (2-1/4)

25 (1)

15 (19/32)

25 (1)

57 (2-1/4)

25 (1)

15 (19/32)

25 (1)

57 (2-1/4)

25 (1)

15 (19/32)

25 (1)

57 (2-1/4)

25 (1)

15 (19/32)

25 (1)

57 (2-1/4)

25 (1)

15 (19/32)

25 (1)

57 (2-1/4)

25 (1)

15 (19/32)

25 (1)

57 (2-1/4)

25 (1)

15 (19/32)

25 (1)

57 (2-1/4)

25 (1)

15 (19/32)

25 (1)

57 (2-1/4)

25 (1)

15 (19/32)

25 (1)

57 (2-1/4)

25 (1)

Suspension bolt hole

4-1/4×30(9/16×1-3/16) Slot

2×E-ø2.9(1/8)

30 (1-3/16)

20 (13/16)

10 (13/32)

49 (1-15/16)

625 (24-5/8) (Suspension bolt pitch)

Drain pump

Air inlet

A

M

B (Suspension bolt pitch)

C

L

D (DUCT)

(E-1)×100(3-15/16)=(F)

100(3-15/16)

(3-15/16)

10 (13/32)

49 (1-15/16)

625 (24-5/8) (Suspension bolt pitch)

Drain pump

Air outlet

A

M

B (Suspension bolt pitch)

C

L

D (DUCT)

(E-1)×100(3-15/16)=(F)

100(3-15/16)

(3-15/16)

10 (13/32)

49 (1-15/16)

625 (24-5/8) (Suspension bolt pitch)

Drain pump

Air inlet

A

M

B (Suspension bolt pitch)

C

L

D (DUCT)

(E-1)×100(3-15/16)=(F)

100(3-15/16)

(3-15/16)

10 (13/32)

Inlet air side view

100(3-15/16)

37 (1-15/32)

157.5 (6-7/32)

20 (13/16)

12 (1/2)

37 (1-15/32)

100(3-15/16)

88

12 (1/2)

20 (13/16)

K-ø2.9 (1/8)

Knockout hole ø27 (1-3/32)

(Power source wiring)

Knockout hole ø27 (1-3/32)

(Transmission wiring)

Air filter

65.0 (2-9/16)

0 (Actual length)

65.0 (2-9/16)

0 (Actual length)

65.0 (2-9/16)

0 (Actual length)

65.0 (2-9/16)

0 (Actual length)

65.0 (2-9/16)

0 (Actual length)

65.0 (2-9/16)

0 (Actual length)

65.0 (2-9/16)

0 (Actual length)

65.0 (2-9/16)

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65.0 (2-9/16)

0 (Actual length)

65.0 (2-9/16)

0 (Actual length)

65.0 (2-9/16)

0 (Actual length)

65.0 (2-9/16)

0 (Actual length)

65.0 (2-9/16)

Less than 300 (11-13/16)

Less than 550 (21-21/32)

Drain hose (I.D. ø32 (1-1/4))

<Accessory>

Less than 300 (11-13/16)

Less than 550 (21-21/32)

Drain hose (I.D. ø32 (1-1/4))

<Accessory>

Less than 300 (11-13/16)

Less than 550 (21-21/32)

Drain hose (I.D. ø32 (1-1/4))

<Accessory>

Less than 300 (11-13/16)

Less than 550 (21-21/32)

Drain hose (I.D. ø32 (1-1/4))

<Accessory>

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Less than 550 (21-21/32)

Drain hose (I.D. ø32 (1-1/4))

<Accessory>

Less than 300 (11-13/16)

Less than 550 (21-21/32)

Drain hose (I.D. ø32 (1-1/4))

<Accessory>

Less than 300 (11-13/16)

Less than 550 (21-21/32)

Drain hose (I.D. ø32 (1-1/4))

<Accessory>

Less than 300 (11-13/16)

Less than 550 (21-21/32)

Drain hose (I.D. ø32 (1-1/4))

<Accessory>

Less than 300 (11-13/16)

Less than 550 (21-21/32)

Drain hose (I.D. ø32 (1-1/4))

<Accessory>

Less than 300 (11-13/16)

Less than 550 (21-21/32)

Drain hose (I.D. ø32 (1-1/4))

<Accessory>

Less than 300 (11-13/16)

Less than 550 (21-21/32)

Drain hose (I.D. ø32 (1-1/4))

<Accessory>

Less than 300 (11-13/16)

Less than 550 (21-21/32)

Drain hose (I.D. ø32 (1-1/4))

<Accessory>

- Note 1. Use M10 screw for the suspension bolt (field supply).
 2. Keep the service space for the maintenance at the bottom.
 3. This chart indicates for PEFY-L15 · 18NMSU-A models, which have 3 fans.
 PEFY-L06 · 08 · 12NMSU-A models have 2 fans.
 PEFY-L24NMSU-A model have 4 fans.
 4. In case of the inlet duct is used, remove the air filter (supply with the unit), then install the filter (field supply) at suction side.

② Refrigerant piping
brazing connection (liquid)

23 (29/32)

10 (13/32)

102 (4-1/32)

25 (1)

23 (29/32)

150 (DUCT)

(5-29/32)

270 (10-21/32)

(2-25/32)

70

2×ø2.9 (1/8)

116 (4-19/32)

① Refrigerant piping
brazing connection (gas)

100 (3-15/16)

150 (DUCT)

(5-29/32)

270 (10-21/32)

(2-25/32)

70

2×ø2.9 (1/8)

116 (4-19/32)

700 (27-9/16)

677 (26-21/32)

Drain pipe (O.D. ø32 (1-1/4))

(Integral lift pump outlet)

48 (1-29/32)

170 (6-23/32)

200 (7-7/8)

Terminal bed (Power source)

Terminal bed (Transmission)

Control box

Drain pipe (O.D. ø32 (1-1/4))

(Gravity draining)

Piping side view

Top

Bottom

Piping side view

Top

Bottom

Piping side view

Top

Bottom

Piping side view

PEFY-L06, 08, 12, 15, 18, 24NMSU-A

Unit: mm (in.)

Model	N	P	Q	R
PEFY-L06NMSU-A	700	50~150	800	1300
PEFY-L08NMSU-A	700	50~150	800	1300
PEFY-L12NMSU-A	900	150~250	1000	1500
PEFY-L15NMSU-A	900	150~250	1000	1500
PEFY-L18NMSU-A	1100	250~350	1200	1700
PEFY-L24NMSU-A	1100	250~350	1200	1700

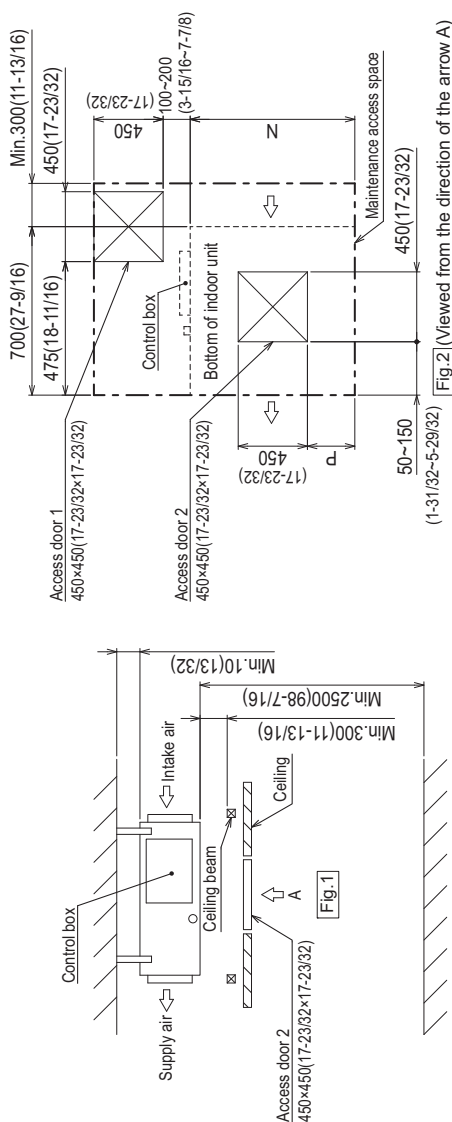


Fig. 2 (Viewed from the direction of the arrow A)

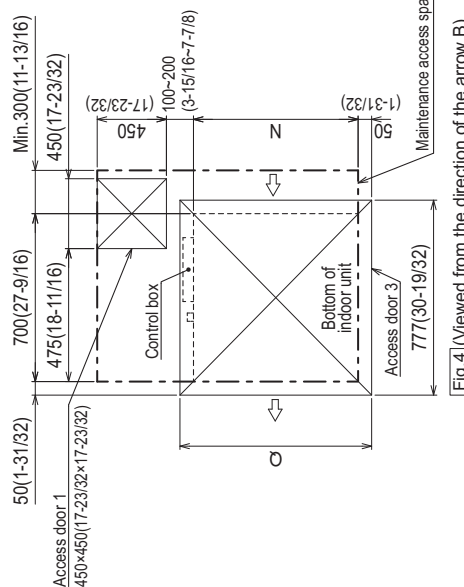


Fig. 4 (Viewed from the direction of the arrow B)

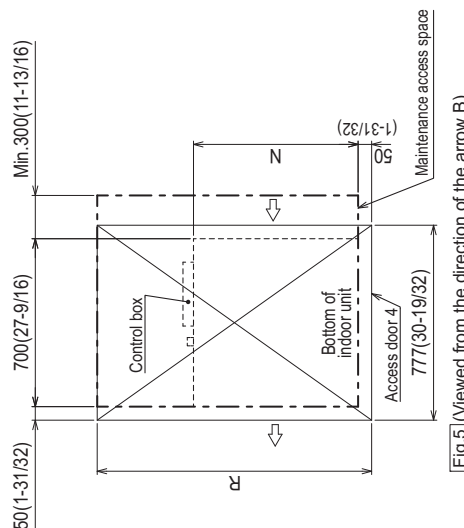


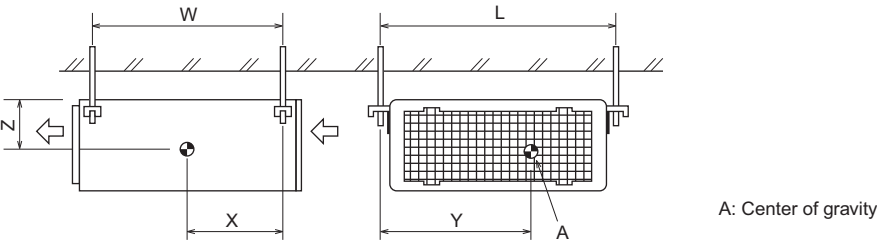
Fig. 5 (Viewed from the direction of the arrow B)

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

- When a space of 300mm(11-13/16) or more is available below the unit between the unit and the ceiling. (Fig. 1)
 - Create access door 1 and 2 (450×450mm(17-23/32×17-23/32) each) as shown in Fig. 2.
(Access door 2 is not required if enough space is available below the unit for a maintenance worker to work in.)
- When a space of less than 300mm(11-13/16) is available below the unit between the unit and the ceiling.
(At least 20mm(13/16) of space should be left below the unit as shown in Fig. 3.)
 - Create access door 1 diagonally below the control box and access door 3 below the unit as shown in Fig. 4.
or
 - Create access door 4 below the control box and the unit as shown in Fig. 5.

PEFY-L-NMSU-A

PEFY-L06, 08, 12, 15, 18, 24NMSU-A

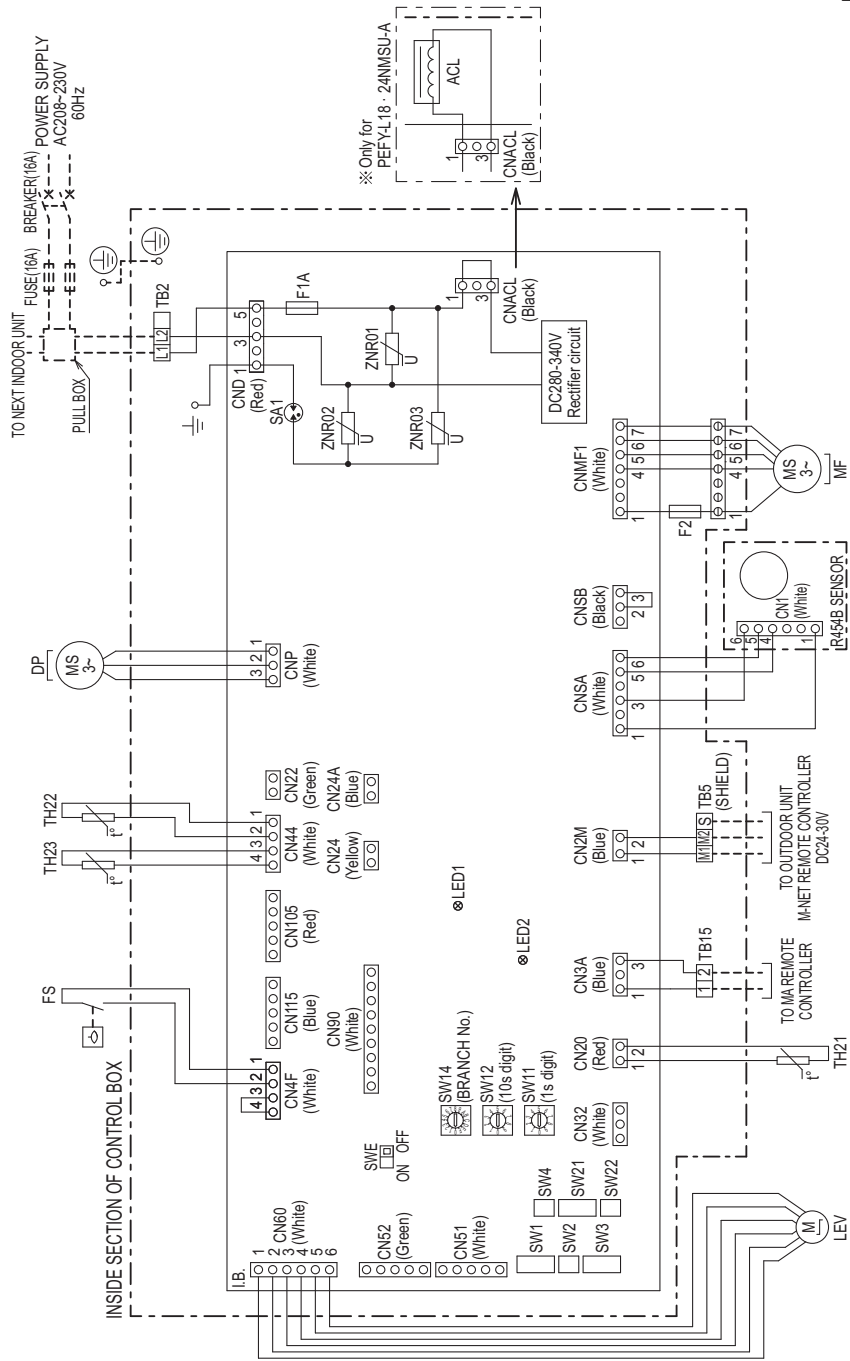


Model name	(mm) [in]				
	W	L	X	Y	Z
PEFY-L06NMSU-A	625 [24-5/8]	752 [29-5/8]	263 [10-3/8]	338 [13-5/16]	105 [4-5/32]
PEFY-L08NMSU-A	625 [24-5/8]	752 [29-5/8]	263 [10-3/8]	338 [13-5/16]	105 [4-5/32]
PEFY-L12NMSU-A	625 [24-5/8]	752 [29-5/8]	275 [10-27/32]	340 [13-13/32]	104 [4-1/8]
PEFY-L15NMSU-A	625 [24-5/8]	952 [37-1/2]	280 [11-1/32]	422 [16-5/8]	104 [4-1/8]
PEFY-L18NMSU-A	625 [24-5/8]	952 [37-1/2]	280 [11-1/32]	422 [16-5/8]	104 [4-1/8]
PEFY-L24NMSU-A	625 [24-5/8]	1152 [45-3/8]	285 [11-1/4]	511 [20-1/8]	104 [4-1/8]

PEFY-L06, 08, 12, 15, 18, 24NMSU-A

SYMBOL	EXPLANATION
ACL	AC reactor (Power factor improvement)
DP	Drain Pump
FS	Float switch
F2	Fuse DC400 1A
MF	Fan Motor
LEV	Electrical linear expansion valve
TB2	Power source terminal block
TB5	Transmission terminal block
TH15	Thermistor (inlet air temp. detection)
TH21	Thermistor (piping temp.detection/liquid)
TH22	Thermistor (piping temp.detection/gas)
TH23	Thermistor (piping temp.detection/gas)
IB	Indoor controller board
SA1	Arrester
F1A	Fuse AC250V 3.15A
ZNR01	Varistor
ZNR02	Varistor
ZNR03	Varistor
CN24	Connector (Heater control 1st)
CN24A	Connector (Heater control 2nd)
CN22	Connector (Fan control)
CN32	Connector (Remote switch)
CN51	Connector (Centrally control)
CN52	Connector (Remote indication)
CN90	Connector (Wireless)
CN105	Connector (IT terminal)
CN115	Connector (IT terminal)
SW1	Switch (for mode selection)
SW2	Switch (for capacity code)
SW3	Switch (for mode selection)
SW4	Switch (for model selection)
SW11	Switch (1s digit address set)
SW12	Switch (10s digit address set)
SW14	Switch (BRANCH No.)
SW21	Switch (for mode selection)
SW22	Switch (Wireless pair No.)
SWE	Connector (emergency operation)
LED1	LED (Power supply)
LED2	LED (Remote controller supply)

- NOTE1) Symbols used in wiring diagram are
○ ○ ○ : Connector, □ : Terminal, ⊗ : Relay connector,
--- (Heavy dotted line) : Field wiring.
2. Have all electric work done by a licensed electrician according to the local regulations.
3. Earth leakage circuit breaker should be set up on the wiring of the power supply.
4. 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.
5. Use copper supply wire.



DIP SWITCH SETTING

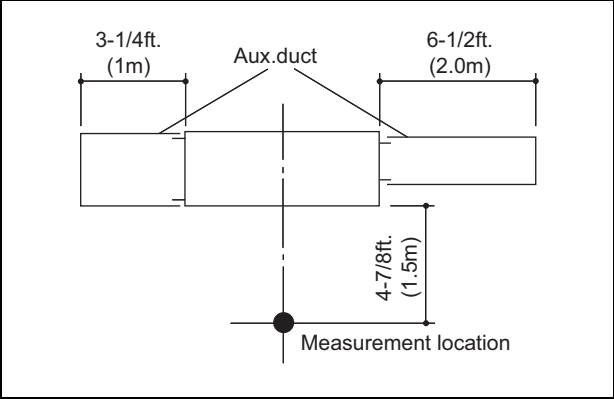
MODEL	SW1	SW2	SW3	SW4	SW21	SW22	SWE
PEFY-L06NMSU-A	ON 1 2 3 4 5 6 7 8 9 10	ON 1 2 3 4 5 6	ON 1 2 3 4 5 6 7 8 9 10	ON 1 2 3 4 5 6	ON 1 2 3 4 5 6 7 8	ON 1 2 3 4	ON OFF
PEFY-L08NMSU-A	ON 1 2 3 4 5 6 7 8 9 10	ON 1 2 3 4 5 6	ON 1 2 3 4 5 6 7 8 9 10	ON 1 2 3 4 5 6	ON 1 2 3 4 5 6 7 8	ON 1 2 3 4	ON OFF
PEFY-L12NMSU-A	ON 1 2 3 4 5 6 7 8 9 10	ON 1 2 3 4 5 6	ON 1 2 3 4 5 6 7 8 9 10	ON 1 2 3 4 5 6	ON 1 2 3 4 5 6 7 8	ON 1 2 3 4	ON OFF
PEFY-L15NMSU-A	ON 1 2 3 4 5 6 7 8 9 10	ON 1 2 3 4 5 6	ON 1 2 3 4 5 6 7 8 9 10	ON 1 2 3 4 5 6	ON 1 2 3 4 5 6 7 8	ON 1 2 3 4	ON OFF
PEFY-L18NMSU-A	ON 1 2 3 4 5 6 7 8 9 10	ON 1 2 3 4 5 6	ON 1 2 3 4 5 6 7 8 9 10	ON 1 2 3 4 5 6	ON 1 2 3 4 5 6 7 8	ON 1 2 3 4	ON OFF
PEFY-L24NMSU-A	ON 1 2 3 4 5 6 7 8 9 10	ON 1 2 3 4 5 6	ON 1 2 3 4 5 6 7 8 9 10	ON 1 2 3 4 5 6	ON 1 2 3 4 5 6 7 8	ON 1 2 3 4	ON OFF

DIP SWITCH DEFINITION
ON 1 2
OFF 1 2

PEFY-L-NMSU-A

5-1. Sound levels

PEFY-L-NMSU



* Measured in anechoic room

Operating sound levels
(Low - Middle - High)

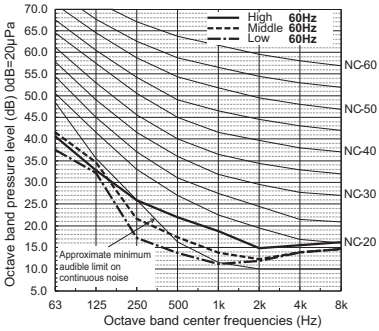
Unit: dB (A)

Model	Sound pressure level (A weighted)
PEFY-L06NMSU-A	22 - 24 - 28
PEFY-L08NMSU-A	23 - 26 - 30
PEFY-L12NMSU-A	23 - 28 - 34
PEFY-L15NMSU-A	28 - 30 - 33
PEFY-L18NMSU-A	30 - 34 - 37
PEFY-L24NMSU-A	30 - 35 - 40

5-2. NC curves

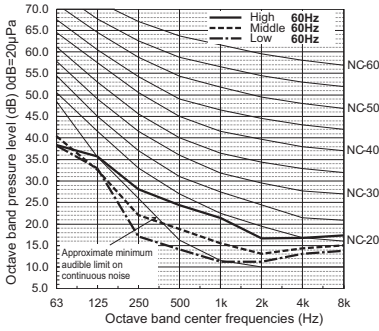
PEFY-L06NMSU-A

External Static Pressure: 5Pa [0.02in.WG]
Power Source: 208-230V



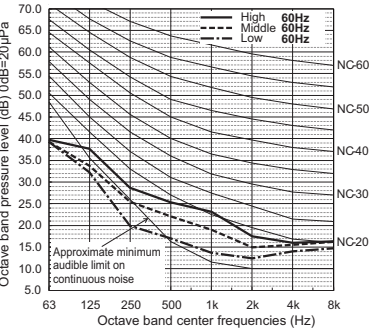
PEFY-L06NMSU-A

External Static Pressure: 15Pa [0.06in.WG]
Power Source: 208-230V



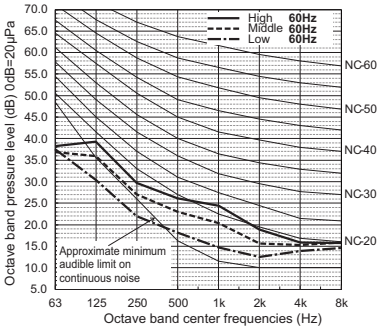
PEFY-L06NMSU-A

External Static Pressure: 35Pa [0.14in.WG]
Power Source: 208-230V



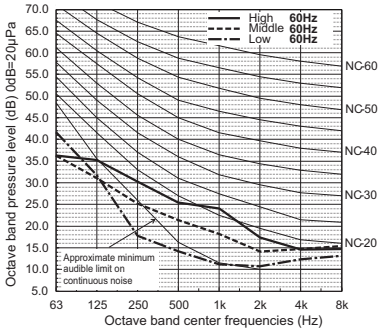
PEFY-L06NMSU-A

External Static Pressure: 50Pa [0.20in.WG]
Power Source: 208-230V



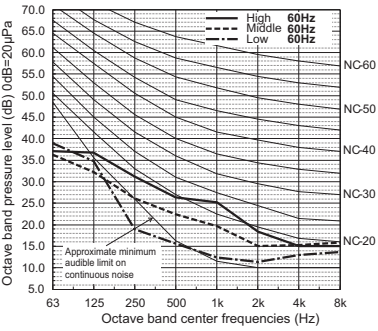
PEFY-L08NMSU-A

External Static Pressure: 5Pa [0.02in.WG]
Power Source: 208-230V



PEFY-L08NMSU-A

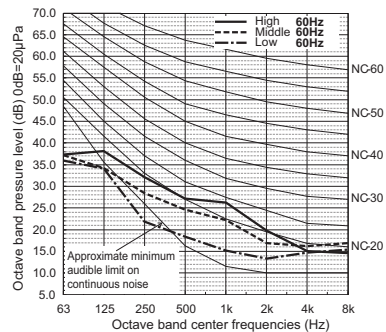
External Static Pressure: 15Pa [0.06in.WG]
Power Source: 208-230V



PEFY-L08NMSU-A

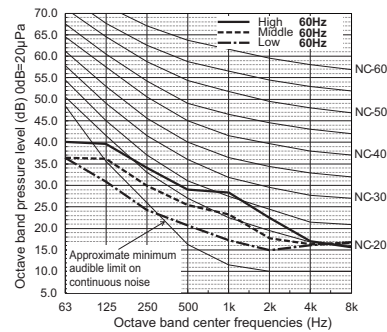
External Static Pressure: 35Pa [0.14in.WG]

Power Source: 208-230V

**PEFY-L08NMSU-A**

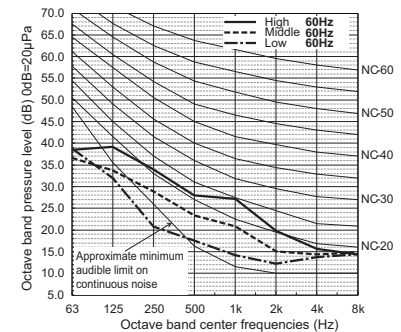
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Power Source: 208-230V

**PEFY-L12NMSU-A**

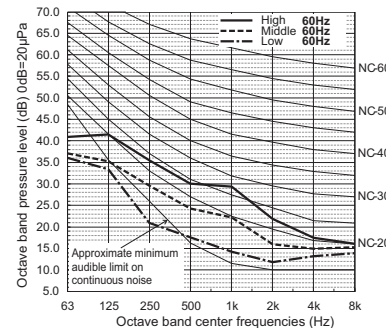
External Static Pressure: 5Pa [0.02in.WG]

Power Source: 208-230V

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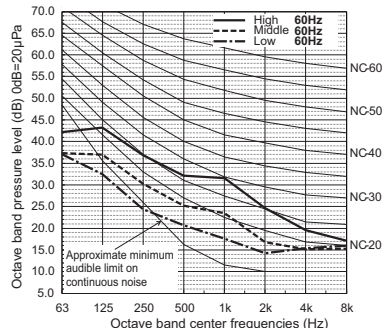
External Static Pressure: 15Pa [0.06in.WG]

Power Source: 208-230V

**PEFY-L12NMSU-A**

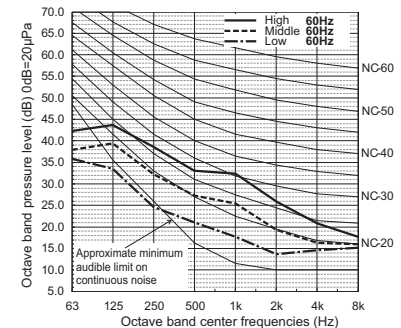
External Static Pressure: 35Pa [0.14in.WG]

Power Source: 208-230V

**PEFY-L12NMSU-A**

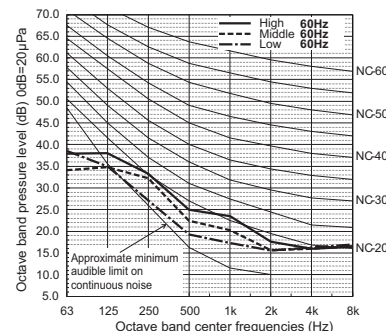
External Static Pressure: 50Pa [0.20in.WG]

Power Source: 208-230V

**PEFY-L15NMSU-A**

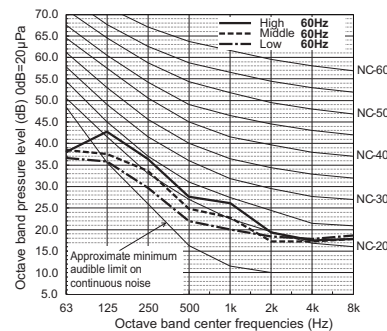
External Static Pressure: 5Pa [0.02in.WG]

Power Source: 208-230V

**PEFY-L15NMSU-A**

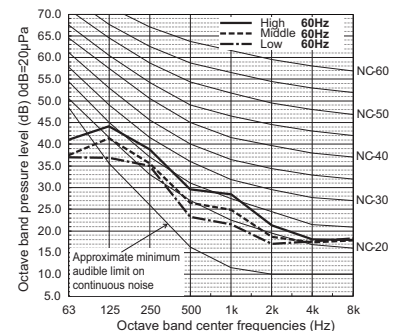
External Static Pressure: 15Pa [0.06in.WG]

Power Source: 208-230V

**PEFY-L15NMSU-A**

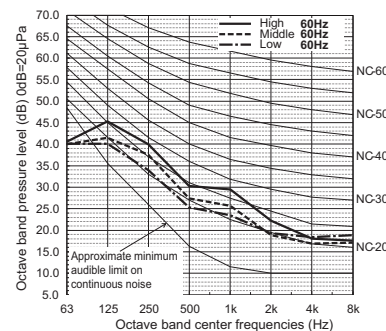
External Static Pressure: 35Pa [0.14in.WG]

Power Source: 208-230V

**PEFY-L15NMSU-A**

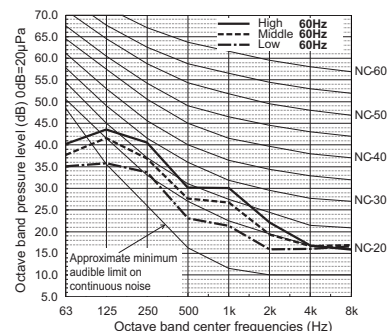
External Static Pressure: 50Pa [0.20in.WG]

Power Source: 208-230V

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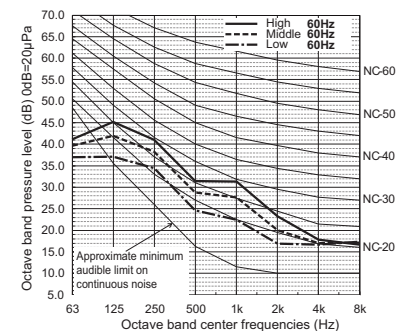
External Static Pressure: 5Pa [0.02in.WG]

Power Source: 208-230V

**PEFY-L18NMSU-A**

External Static Pressure: 15Pa [0.06in.WG]

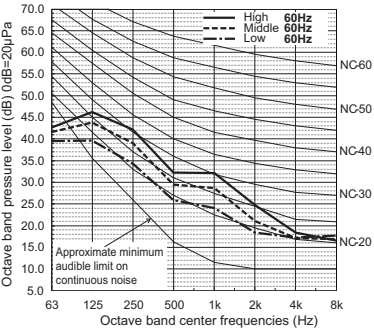
Power Source: 208-230V



PEFY-L-NMSU-A

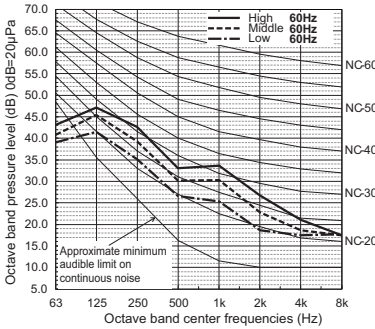
PEFY-L18NMSU-A

External Static Pressure: 35Pa [0.14in.WG]
Power Source: 208-230V



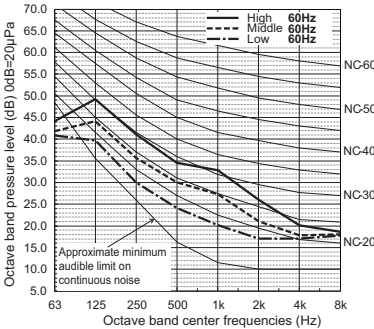
PEFY-L18NMSU-A

External Static Pressure: 50Pa [0.20in.WG]
Power Source: 208-230V



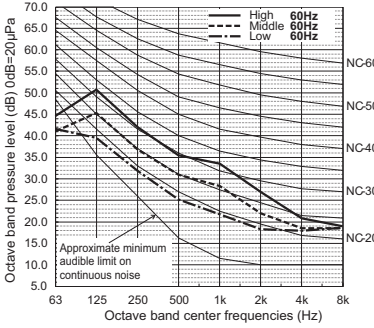
PEFY-L24NMSU-A

External Static Pressure: 5Pa [0.02in.WG]
Power Source: 208-230V



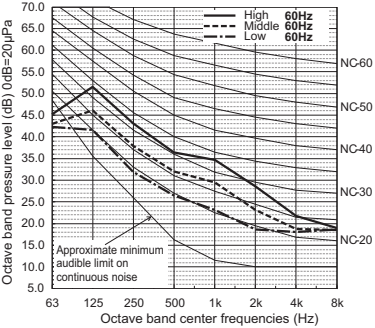
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External Static Pressure: 15Pa [0.06in.WG]
Power Source: 208-230V



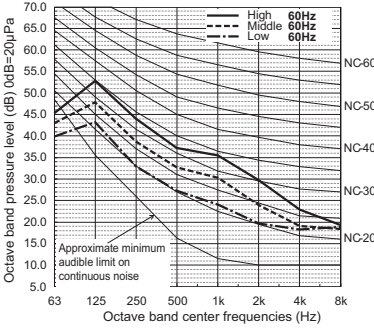
PEFY-L24NMSU-A

External Static Pressure: 35Pa [0.14in.WG]
Power Source: 208-230V



PEFY-L24NMSU-A

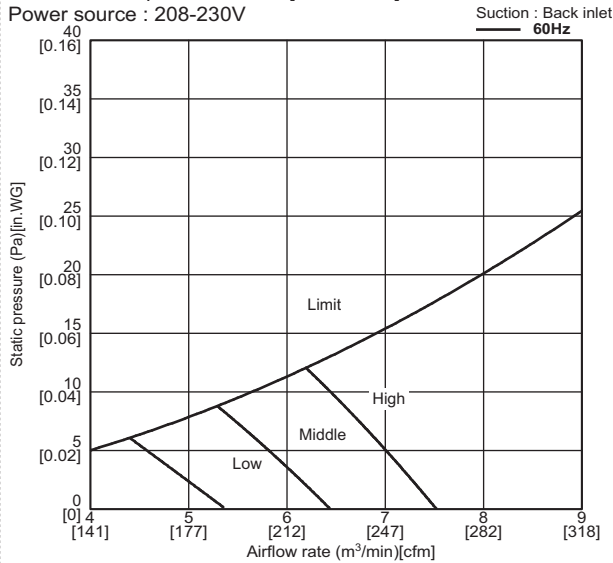
External Static Pressure: 50Pa [0.20in.WG]
Power Source: 208-230V



PEFY-L06NMSU-A

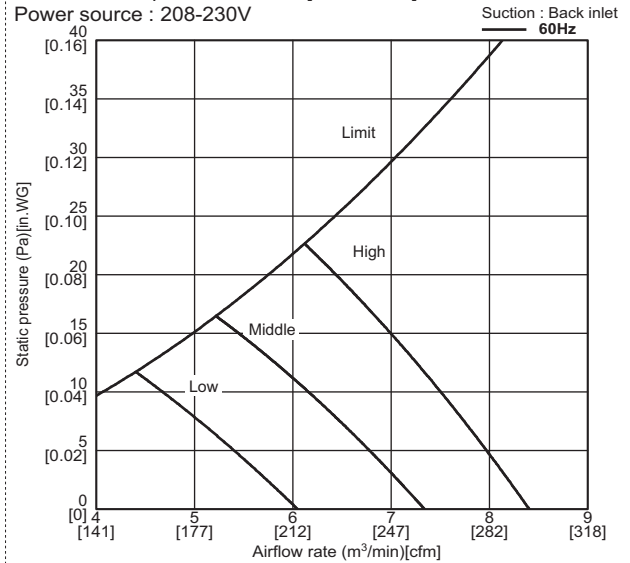
External static pressure : 5Pa [0.02in.WG]

Power source : 208-230V

**PEFY-L06NMSU-A**

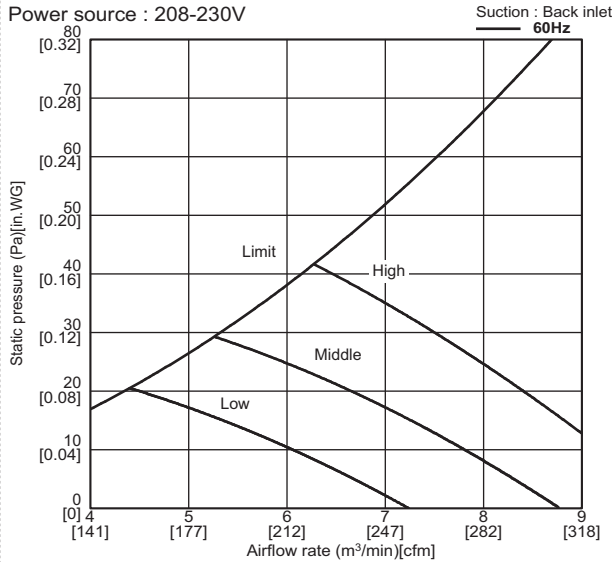
External static pressure : 15Pa [0.06in.WG]

Power source : 208-230V

**PEFY-L06NMSU-A**

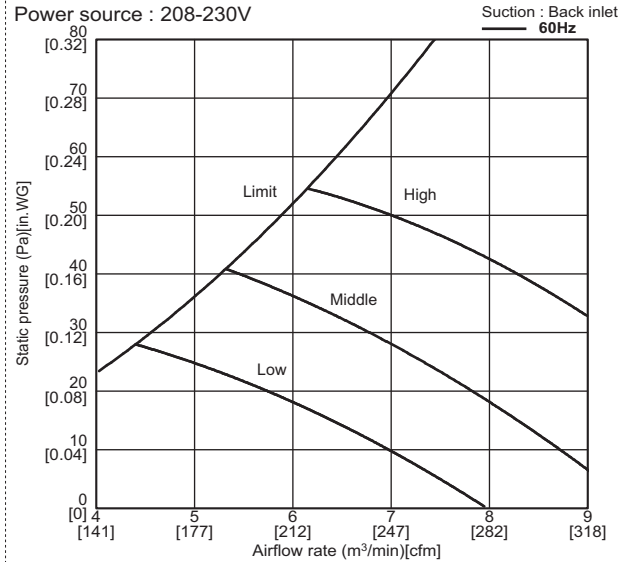
External static pressure : 35Pa [0.14in.WG]

Power source : 208-230V

**PEFY-L06NMSU-A**

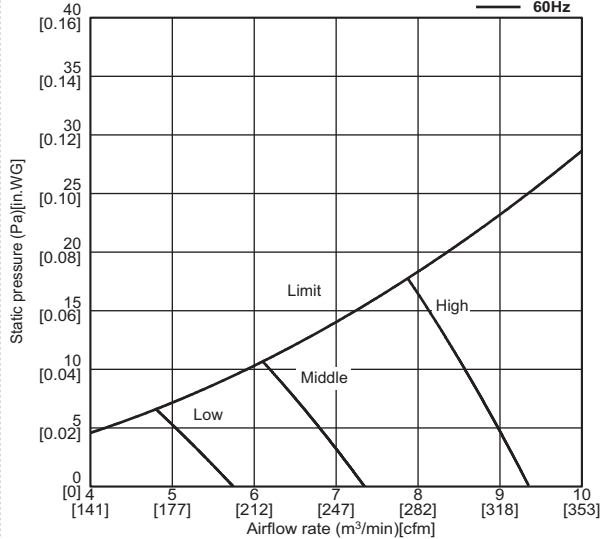
External static pressure : 50Pa [0.20in.WG]

Power source : 208-230V

**PEFY-L08NMSU-A**

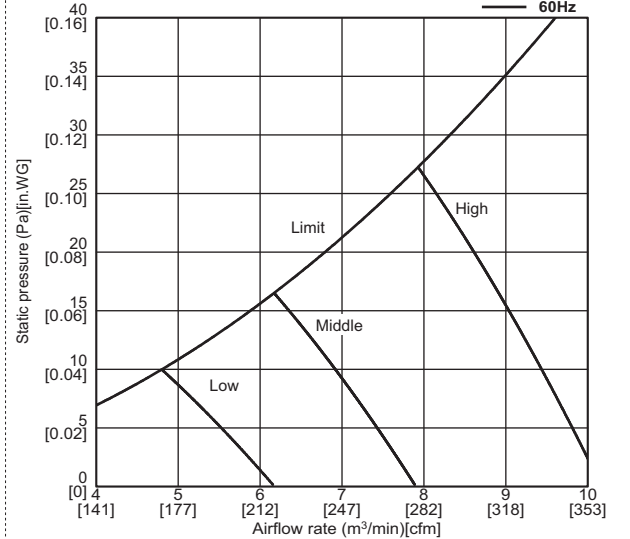
External static pressure : 5Pa [0.02in.WG]

Power source : 208-230V

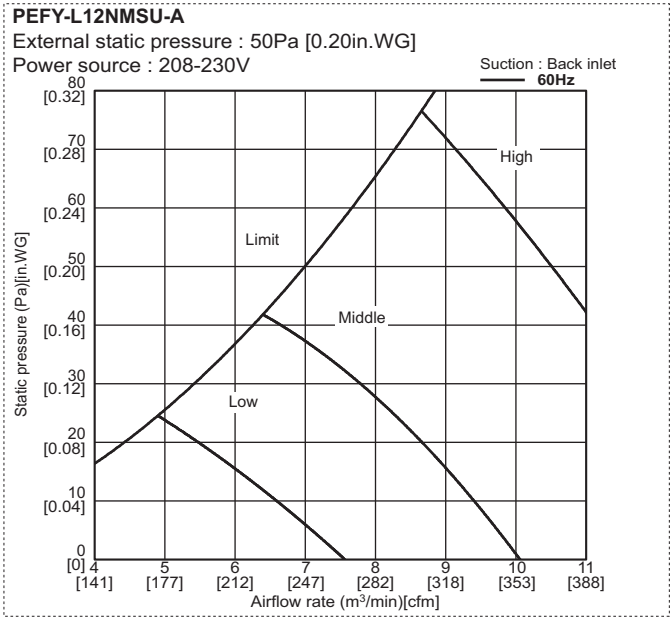
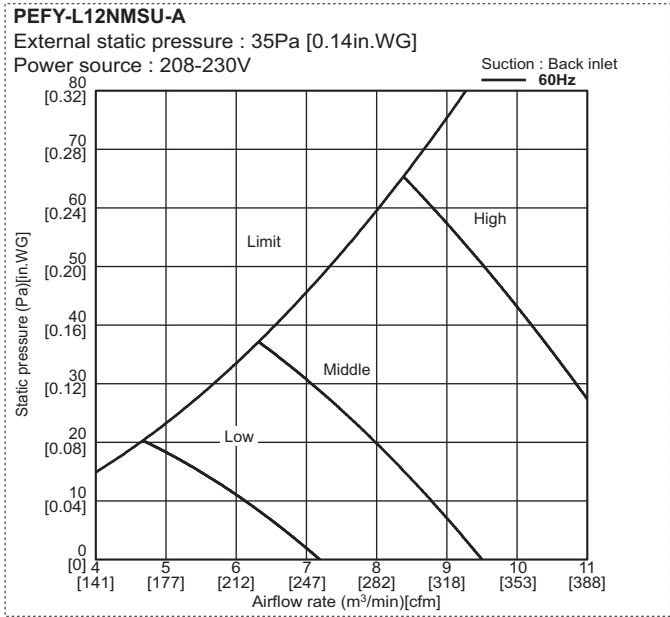
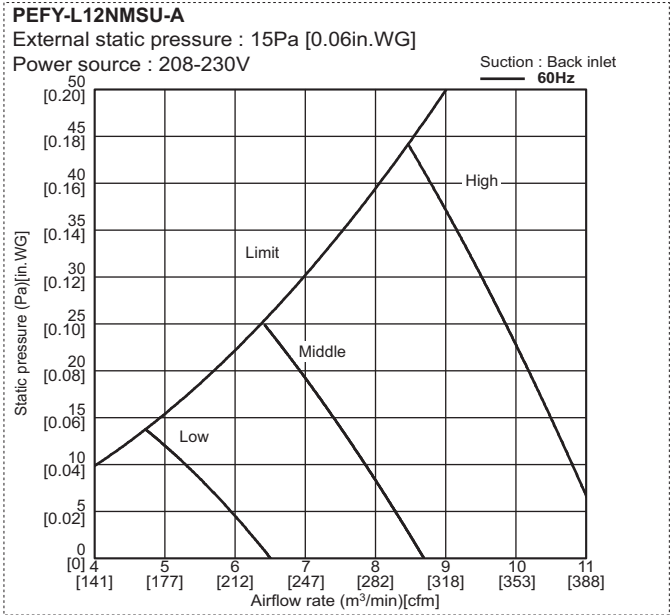
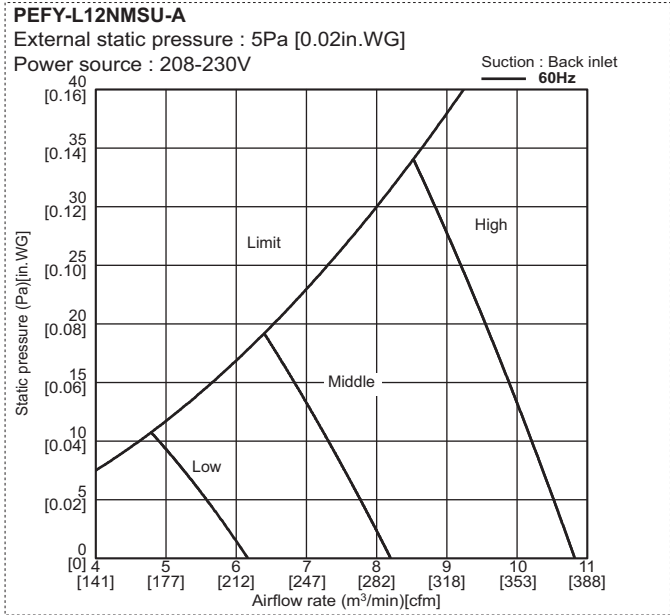
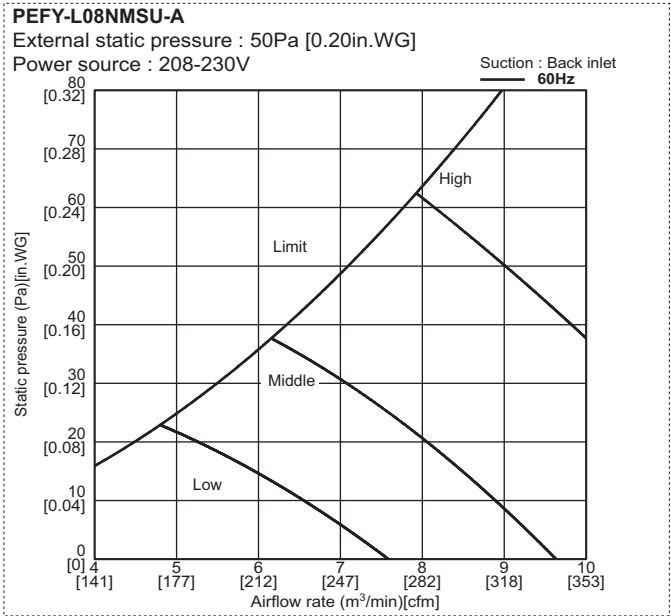
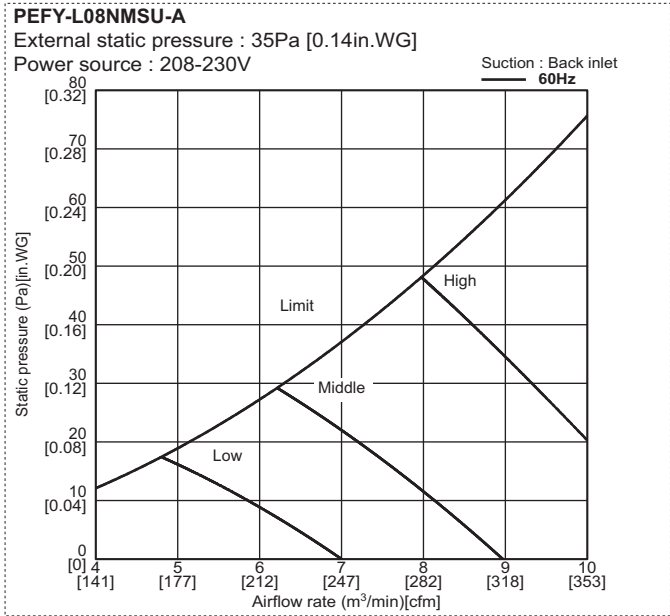
**PEFY-L08NMSU-A**

External static pressure : 15Pa [0.06in.WG]

Power source : 208-230V



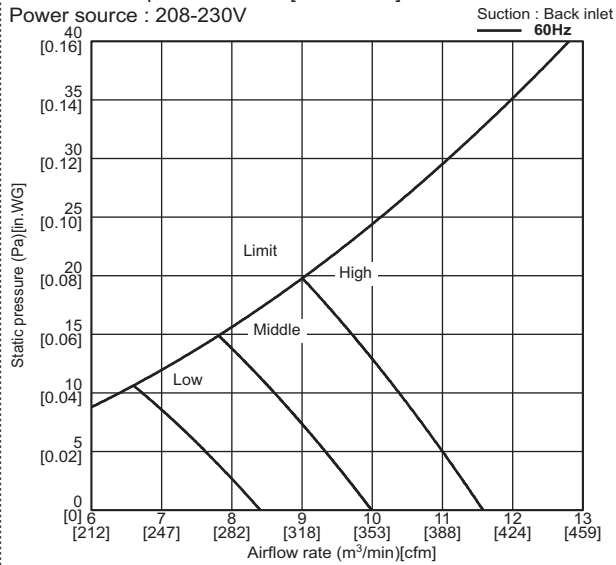
PEFY-L-NMSU-A



PEFY-L15NMSU-A

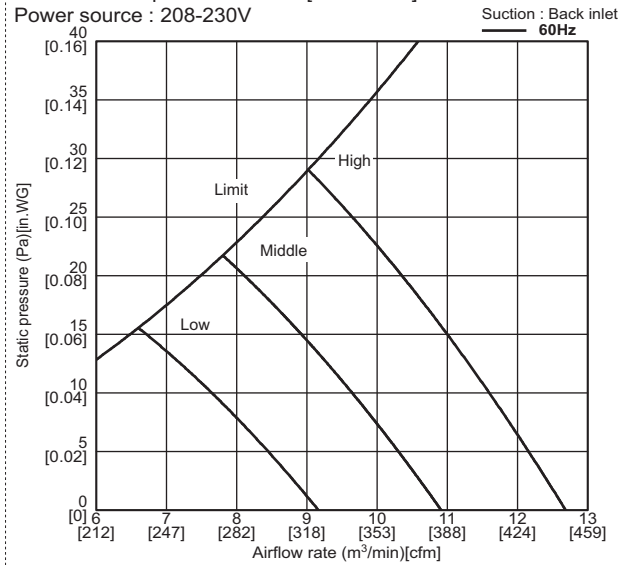
External static pressure : 5Pa [0.02in.WG]

Power source : 208-230V

**PEFY-L15NMSU-A**

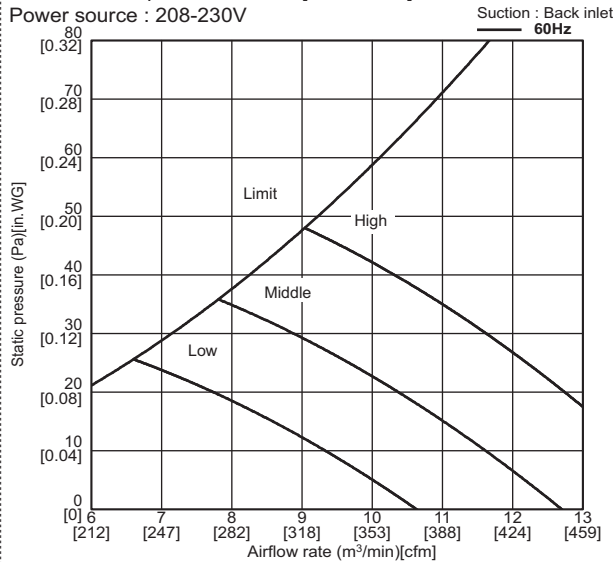
External static pressure : 15Pa [0.06in.WG]

Power source : 208-230V

**PEFY-L15NMSU-A**

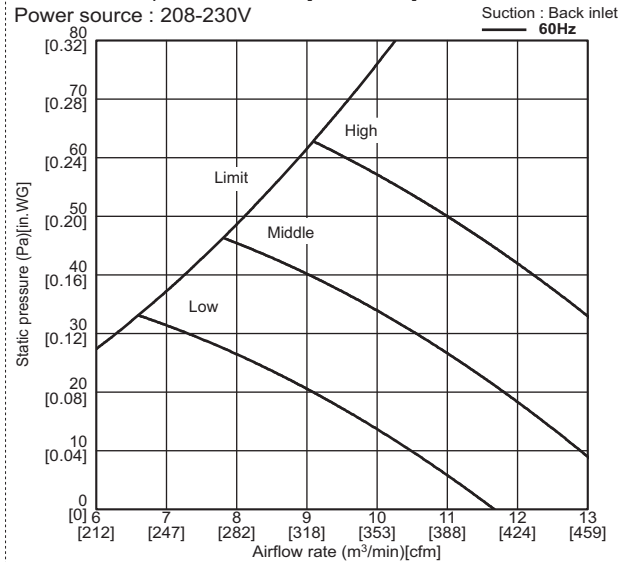
External static pressure : 35Pa [0.14in.WG]

Power source : 208-230V

**PEFY-L15NMSU-A**

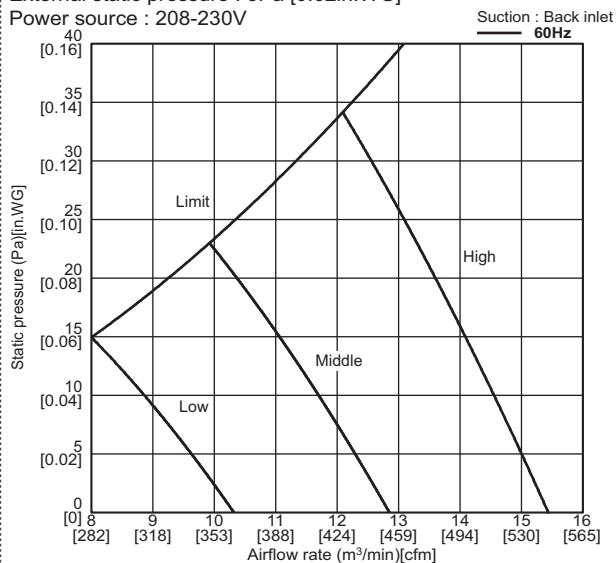
External static pressure : 50Pa [0.20in.WG]

Power source : 208-230V

**PEFY-L18NMSU-A**

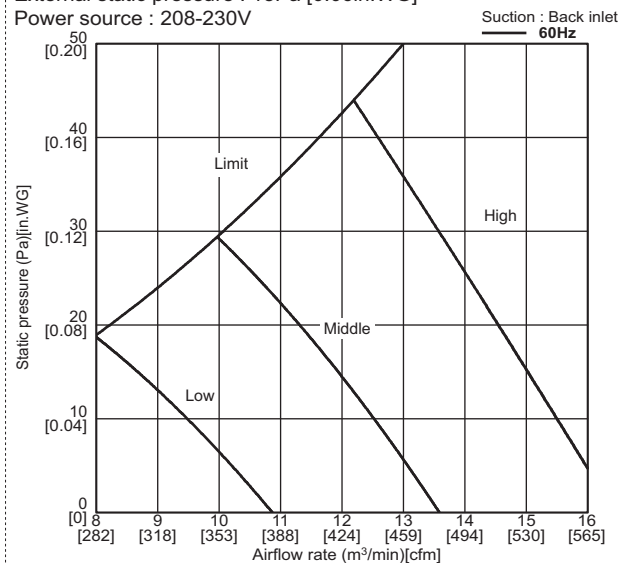
External static pressure : 5Pa [0.02in.WG]

Power source : 208-230V

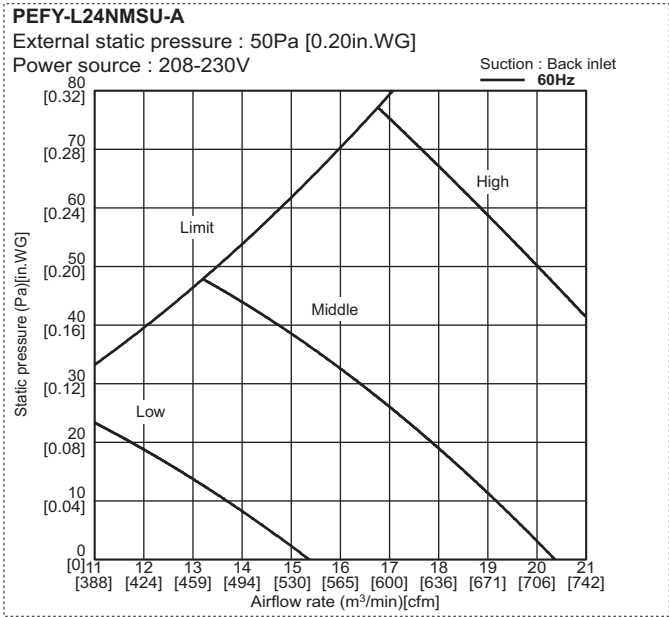
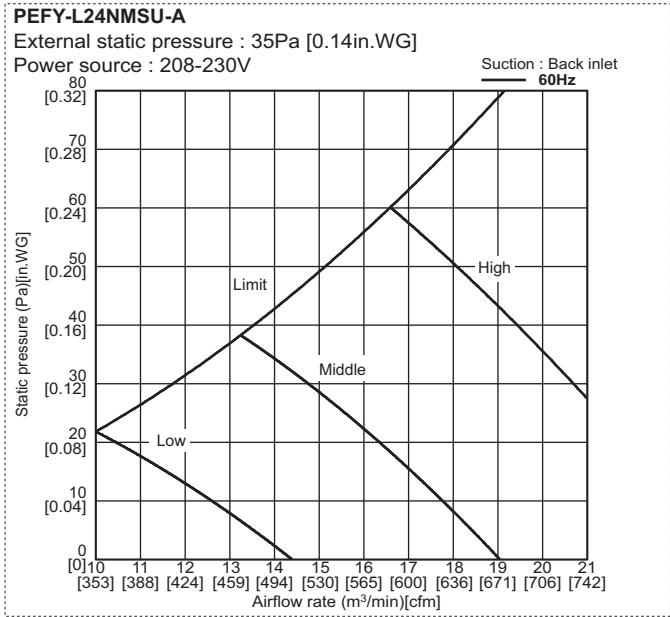
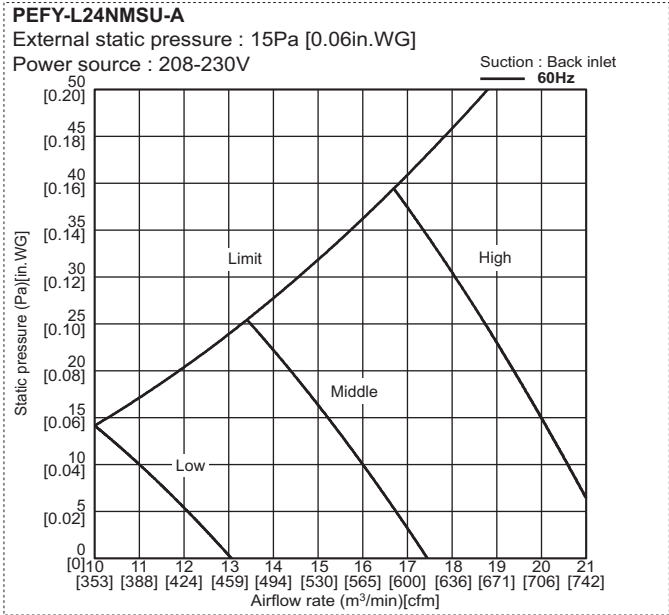
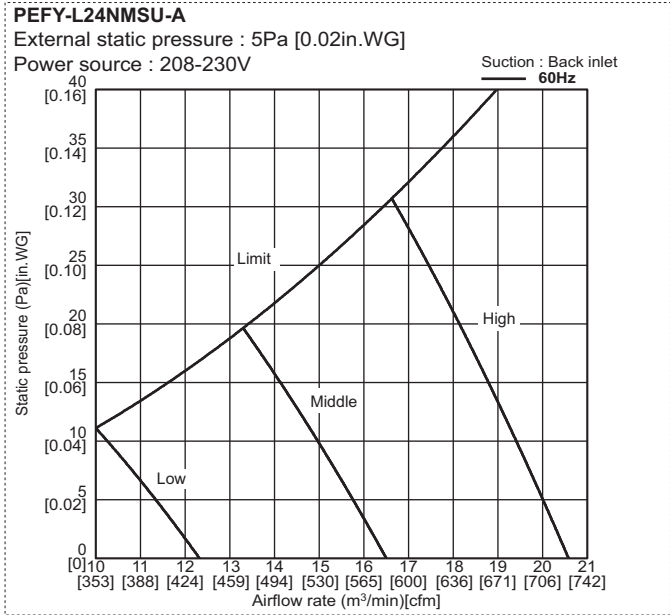
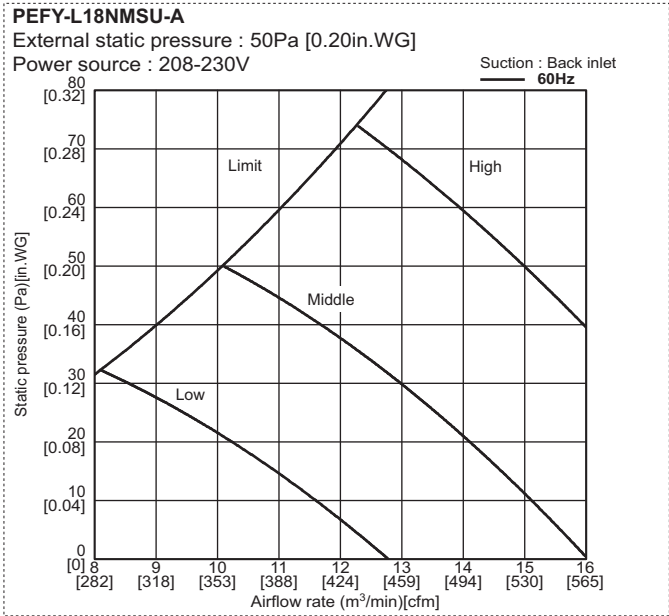
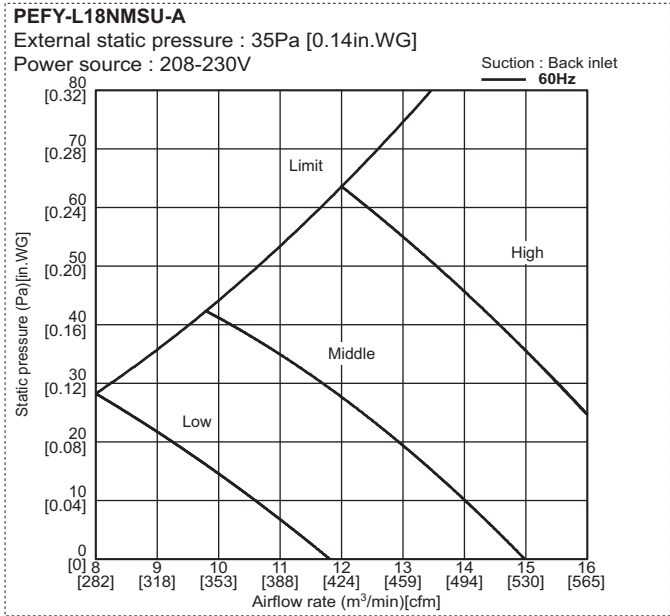
**PEFY-L18NMSU-A**

External static pressure : 15Pa [0.06in.WG]

Power source : 208-230V



PEFY-L-NMSU-A



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

Model	Indoor Unit				IFM	
	Hz	Volts	Voltage range	MCA(A)	Output(kW)	FLA(A)
PEFY-L06NMSU-A	60Hz	208 - 230V	188 to 253V	0.79	0.096	0.63
PEFY-L08NMSU-A				0.95	0.096	0.76
PEFY-L12NMSU-A				1.17	0.096	0.93
PEFY-L15NMSU-A				1.12	0.096	0.89
PEFY-L18NMSU-A				1.35	0.096	1.08
PEFY-L24NMSU-A				1.59	0.096	1.27

PEFY-L-NMSU-A

8-1. Optional parts line up for the Indoor unit

External heater adapter

PEFY-L06, 08, 12, 15, 18, 24NMSU-A

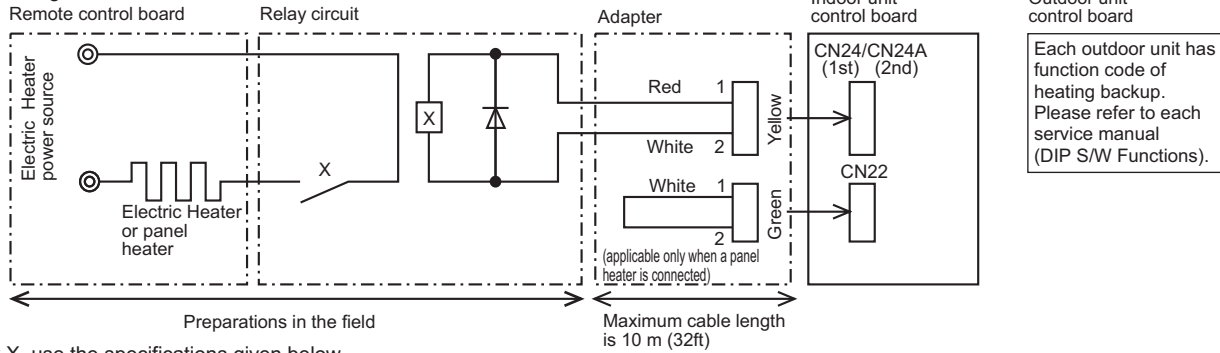
PAC-YU25HT

8-2. External heater adapter

External heater adapter PAC-YU25HT is a set of special wiring parts for controlling the electric heater* with the air conditioner system.
*The electric heater should be designed and prepared at the site.

A basic connection method is shown as follows: (For details, refer to its Installation Manual.)

(1) Basic wiring



For relay X, use the specifications given below.

Operation coil

Rated voltage: 12VDC

Power consumption: 0.9W or less

* Use the diode that is recommended by the relay manufacturer at both ends of the relay coil.

The length of the electrical wiring for the PAC-YU25HT is 2 meters (6-1/2 ft).

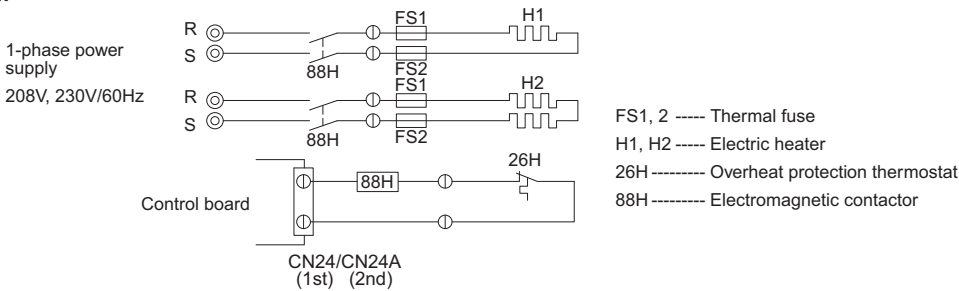
To extend this length, use sheathed 2-core cable.

Control cable type: CVV, CVS, CPEV or equivalent.

Cable size: 0.5 mm² ~ 1.25 mm² (16 to 22 AWG)

Don't extend the cable more than 10 meters (32ft).

(2) Recommended circuit



Item	① External output cable	② Connector (for use with the panel heater)	
Quantity	2	3	
Shape			

Wiring details and Installation details should be referred to its Installation Manual.

⚠ 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, R454B.

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