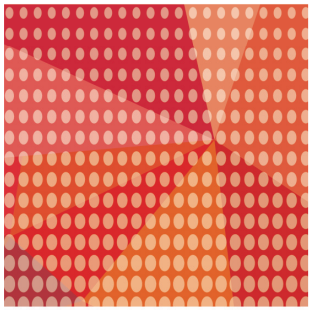
MITSUBISHI ELECTRIC

Changes for the Better

AIR CONDITIONING SYSTEMS

HYBRID CITY MULTI



DATA BOOK

MODEL

PEFY-WL-NMSU-A

CONTENTS

PEFY-WL-NMSU-A

1. SPECIFICATIONS

Model				PEFY-WL04NMSU-A	PEFY-WL06NMSU-A	PEFY-WL08NMSU-A	PEFY-WL12NMSU-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	4,000	6,000	8,000	12,000
		*1	kW	1.1	1.8	2.3	3.5
	*2 Power input		kW	0.024	0.032	0.044	0.064
	*2 Current input		A	0.31/0.28	0.37/0.36	0.49/0.44	0.67/0.63
Heating capacity		*3	BTU/h	4,500	6,700	9,000	13,500
		*3	kW	1.3	2.0	2.6	4.0
	*2 Power input		kW	0.022	0.030	0.042	0.062
	*2 Current input		A	0.26/0.23	0.32/0.31	0.44/0.39	0.62/0.58
External finish				Galvanized steel plate	Galvanized steel plate	Galvanized steel plate	Galvanized steel plate
External dimension H × W × 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 31-1/8 x 27-9/16
			mm	200 x 790 x 700	200 x 790 x 700	200 x 790 x 700	200 x 790 x 700
Net weight			lbs (kg)	41 (18.5)	41 (18.5)	42 (19)	43 (19.5)
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)
	Water Volume		L	0.5	0.5	0.7	0.9
FAN	Type × Quantity			Sirocco fan x 2	Sirocco fan x 2	Sirocco fan x 2	Sirocco fan x 2
*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>	<0.02> - 0.06 - <0.14> - <0.20>
			Pa	<5> - 15 - <35> - <50>	<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	141 - 159 - 177	177 - 212 - 247	194 - 247 - 318	212 - 282 - 371
			m^3/min	4.0 - 4.5 - 5.0	5.0 - 6.0 - 7.0	5.5 - 7.0 - 9.0	6.0 - 8.0 - 10.5
			L/s	67 - 75 - 83	83 - 100 - 117	92 - 117 - 150	100 - 133 - 175
Sound pressure level (measured in anechoic room)				(Low-Mid-High)	(Low-Mid-High)	(Low-Mid-High)	(Low-Mid-High)
		*2	dB <A>	22-23-25	22-24-28	23-26-30	23-28-34
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				-	-	-	-
Connectable HBC controller				CMB-WP-NU-AA, CMB-WP-NU-AB	CMB-WP-NU-AA, CMB-WP-NU-AB	CMB-WP-NU-AA, CMB-WP-NU-AB	CMB-WP-NU-AA, CMB-WP-NU-AB
Water piping diameter		*5, 6					
	Connection size	Inlet	mm O.D.	22	22	22	22
		Outlet	mm O.D.	22	22	22	22
	Field pipe size	Inlet	mm I.D.	20	20	20	20
		Outlet	mm I.D.	20	20	20	20
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			KB94C8Q5	KB94C8Q5	KB94C8Q5	KB94C8Q5
	Wiring			KB94C8Q8	KB94C8Q8	KB94C8Q8	KB94C8Q8
	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:

1.Nominal cooling conditions
Indoor: 80°FD.B./67°FW.B. (26.7°CD.B./19.4°CW.B.), Outdoor: 95°FD.B. (35°CD.B.)
Pipe length: 25 ft. (7.6 m), Level difference: 0 ft. (0 m)
2.The values are measured at the factory setting of external static pressure.
3.Nominal heating conditions
Indoor: 70°FD.B. (21.1°CD.B.), Outdoor: 47°FD.B./43°FW.B. (8.3°CD.B./6.1°CW.B.)
Pipe length: 25 ft. (7.6 m), Level difference: 0 ft. (0 m)
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.Be sure to install a valve on the water inlet/outlet.
6.Install a strainer (40 mesh or more) on the pipe next to the valve to remove the foreign matters.

Unit converter

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.

Model				PEFY-WL15NMSU-A	PEFY-WL18NMSU-A		
Power source				1-phase 208/230 V 60 Hz	1-phase 208/230 V 60 Hz		
Cooling capacity		*1	BTU/h	15,000	18,000		
		*1	kW	4.4	5.3		
	*2 Power input		kW	0.056	0.082		
	*2 Current input		A	0.62/0.57	0.75/0.71		
Heating capacity		*3	BTU/h	17,000	20,000		
		*3	kW	5.0	5.9		
	*2 Power input		kW	0.054	0.080		
	*2 Current input		A	0.57/0.52	0.70/0.66		
External finish				Galvanized steel plate	Galvanized steel plate		
External dimension H × W × D			inch	7-7/8 x 39 x 27-9/16	7-7/8 x 39 x 27-9/16		
			mm	200 x 990 x 700	200 x 990 x 700		
Net weight			lbs (kg)	51 (23)	51 (23)		
Heat exchanger				Cross fin (Aluminum fin and copper tube)	Cross fin (Aluminum fin and copper tube)		
	Water Volume		L	1.2	1.2		
FAN	Type × Quantity			Sirocco fan x 3	Sirocco fan x 3		
	*4 External		in.WG	<0.02> - 0.06 - <0.14> - <0.20>	<0.02> - 0.06 - <0.14> - <0.20>		
	static press.		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	282 - 353 - 424	353 - 441 - 530		
			m^3/min	8.0 - 10.0 - 12.0	10.0 - 12.5 - 15.0		
			L/s	133 - 167 - 200	167 - 208 - 250		
Sound pressure level (measured in anechoic room)				(Low-Mid-High)	(Low-Mid-High)		
		*2	dB <A>	29-31-34	30-34-37		
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				-	-		
Connectable HBC controller				CMB-WP-NU-AA, CMB-WP-NU-AB	CMB-WP-NU-AA, CMB-WP-NU-AB		
Water piping diameter		*5, 6					
	Connection size	Inlet	mm O.D.	22	22		
		Outlet	mm O.D.	22	22		
	Field pipe size	Inlet	mm I.D.	20	20		
		Outlet	mm I.D.	20	20		
Field drain pipe size			inch (mm)	O.D.1-1/4 (32)	O.D.1-1/4 (32)		
Drawing	External			KB94C8Q5	KB94C8Q5		
	Wiring			KB94C8Q8	KB94C8Q8		
	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:

1.Nominal cooling conditions
Indoor: 80°FD.B./67°FW.B. (26.7°CD.B./19.4°CW.B.), Outdoor: 95°FD.B. (35°CD.B.)
Pipe length: 25 ft. (7.6 m), Level difference: 0 ft. (0 m)
2.The values are measured at the factory setting of external static pressure.
3.Nominal heating conditions
Indoor: 70°FD.B. (21.1°CD.B.), Outdoor: 47°FD.B./43°FW.B. (8.3°CD.B./6.1°CW.B.)
Pipe length: 25 ft. (7.6 m), Level difference: 0 ft. (0 m)
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.Be sure to install a valve on the water inlet/outlet.
6.Install a strainer (40 mesh or more) on the pipe next to the valve to remove the foreign matters.

Unit converter

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.

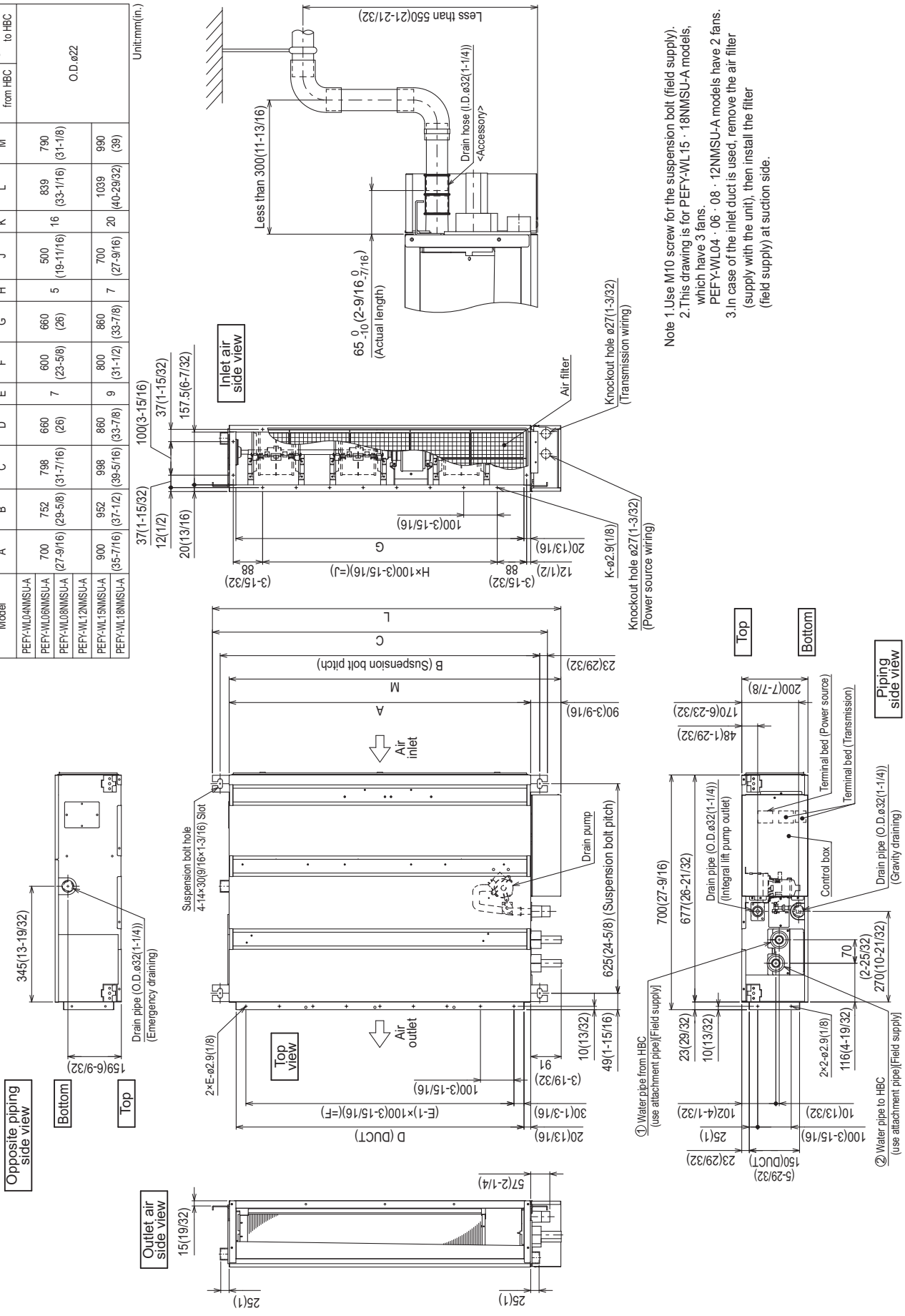
PEFY-WL04, 06, 08, 12, 15, 18NMSU-A

Unit: mm (in.)

Model	A	B	C	D	E	F	G	H	J	K	L	M	①Water pipe from HBC	②Water pipe to HBC
PEFY-WL04NMSU-A	700 (27-9/16)	752 (29-5/8)	798 (31-7/16)	660 (26)	7	600 (23-5/8)	660 (26)	5	500 (19-11/16)	16	839 (33-1/16)	790 (31-1/8)	O.D.ø22	
PEFY-WL06NMSU-A														
PEFY-WL08NMSU-A														
PEFY-WL12NMSU-A														
PEFY-WL15NMSU-A	900 (35-7/16)	952 (37-1/2)	998 (39-5/16)	860 (33-7/8)	9	800 (31-1/2)	860 (33-7/8)	7	700 (27-9/16)	20	1039 (40-29/32)	990 (39)		
PEFY-WL18NMSU-A														

Unit:mm(in.)

Note 1.Use M10 screw for the suspension bolt (field supply).
2.This drawing is for PEFY-WL15 · 18NMSU-A models, which have 3 fans.
PEFY-WL04 · 06 · 08 · 12NMSU-A models have 2 fans.
3.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.



PEFY-WL04, 06, 08, 12, 15, 18NMSU-A

Unit: mm (in.)

Model	N	P	Q	R
PEFY-WL04NMSU-A	700 (27-9/16)	50~150 (1-31/32~5-29/32)	800 (31-1/2)	1300 (51-3/16)
PEFY-WL06NMSU-A				
PEFY-WL08NMSU-A				
PEFY-WL12NMSU-A				
PEFY-WL15NMSU-A	900 (35-7/16)	150~250 (5-29/32~9-27/32)	1000 (39-3/8)	1500 (59-1/16)
PEFY-WL18NMSU-A				

Unit:mm(in.)

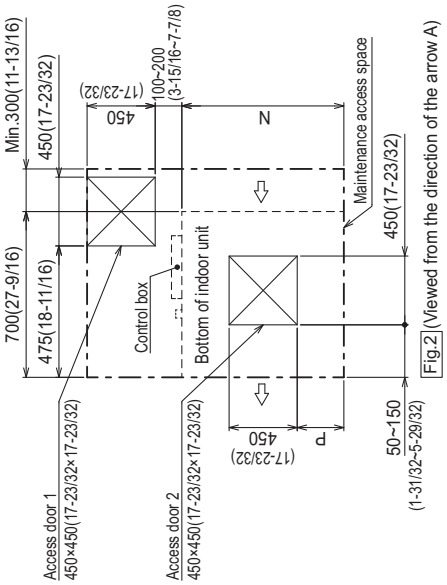


Fig.2 (Viewed from the direction of the arrow A)

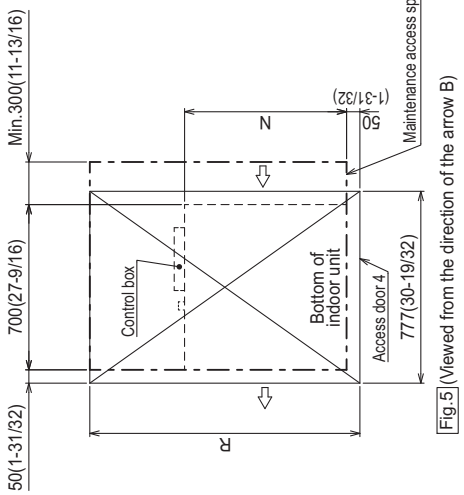


Fig.5 (Viewed from the direction of the arrow B)

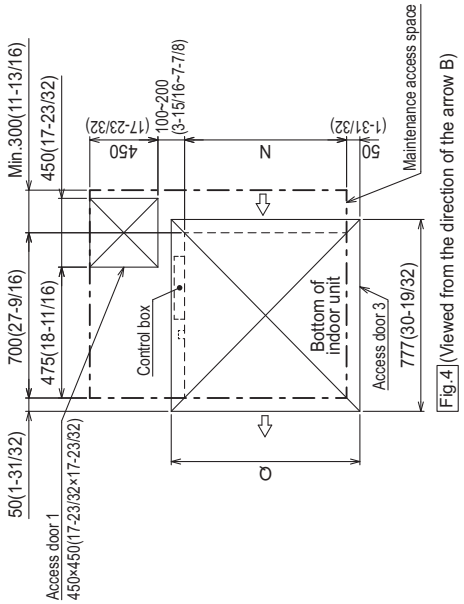


Fig.4 (Viewed from the direction of the arrow B)

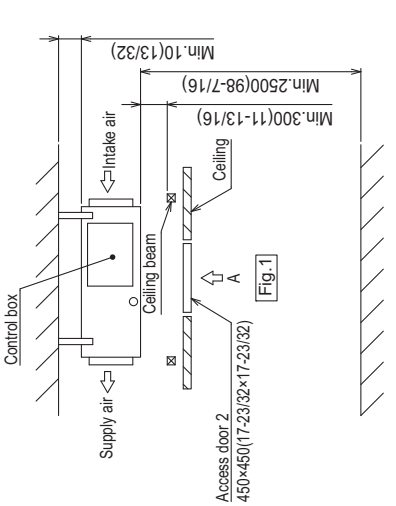


Fig.1

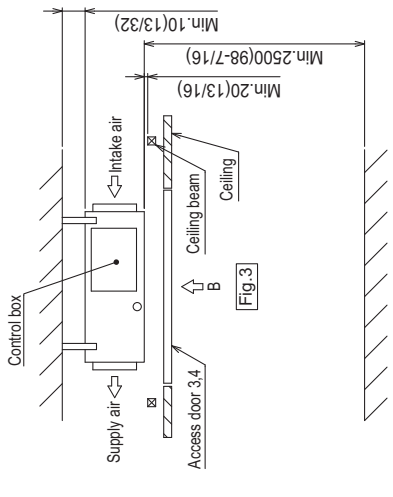


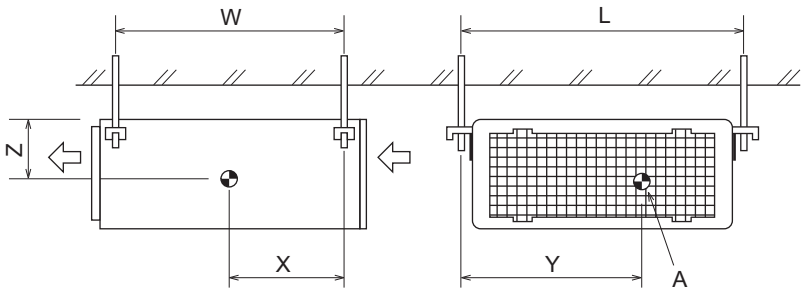
Fig.3

[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.

(1) 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.)

(2) 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-WL04, 06, 08, 12, 15, 18NMSU-A



A: Center of gravity

(mm) [in]

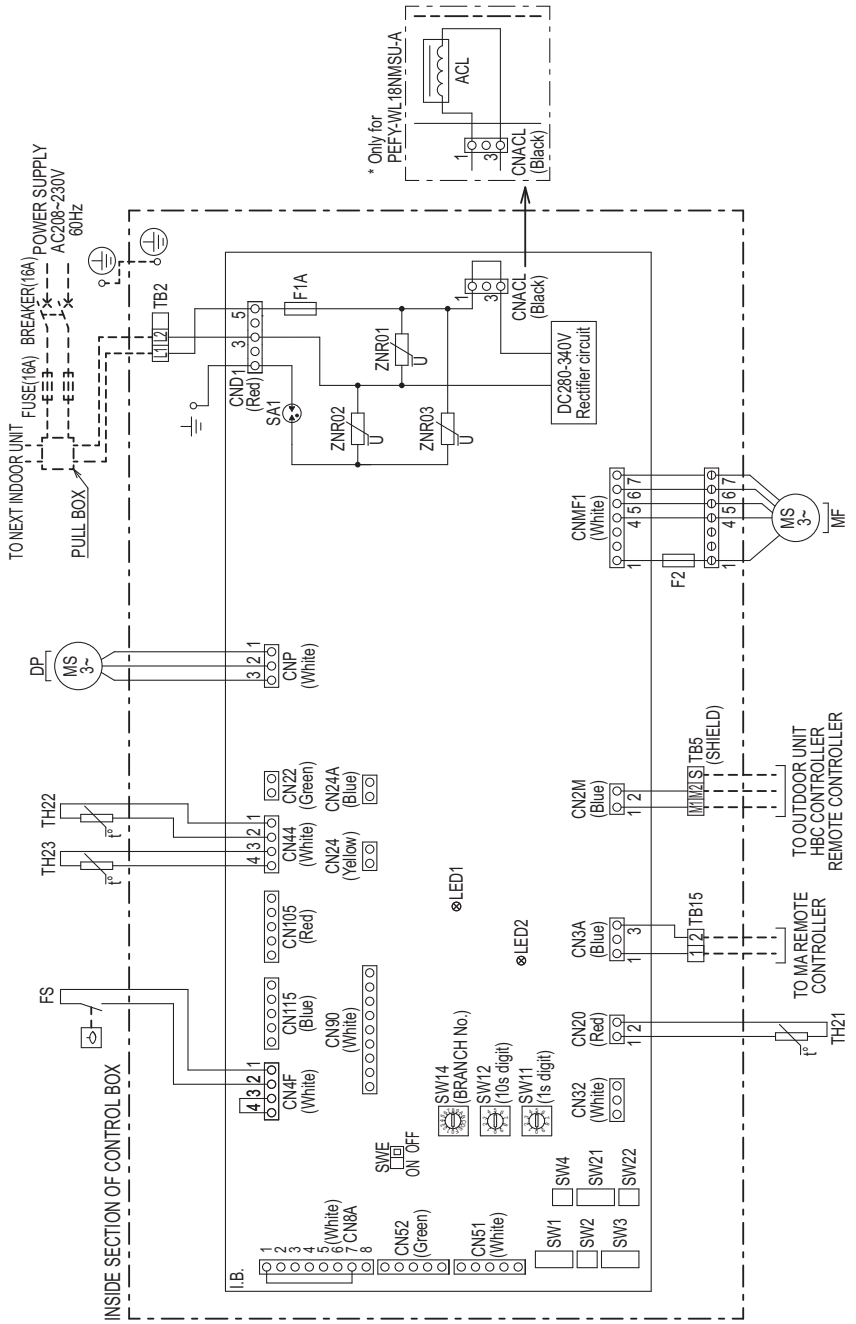
Model name	W	L	X	Y	Z
PEFY-WL04NMSU-A	625 [24-5/8]	752 [29-5/8]	263 [10-3/8]	338 [13-5/16]	105 [4-5/32]
PEFY-WL06NMSU-A	625 [24-5/8]	752 [29-5/8]	263 [10-3/8]	338 [13-5/16]	105 [4-5/32]
PEFY-WL08NMSU-A	625 [24-5/8]	752 [29-5/8]	263 [10-3/8]	338 [13-5/16]	105 [4-5/32]
PEFY-WL12NMSU-A	625 [24-5/8]	752 [29-5/8]	275 [10-27/32]	340 [13-13/32]	104 [4-1/8]
PEFY-WL15NMSU-A	625 [24-5/8]	952 [37-1/2]	280 [11-1/32]	422 [16-5/8]	104 [4-1/8]
PEFY-WL18NMSU-A	625 [24-5/8]	952 [37-1/2]	280 [11-1/32]	422 [16-5/8]	104 [4-1/8]

PEFY-WL04, 06, 08, 12, 15, 18NMSU-A

SYMBOL EXPLANATION

SYMBOL	NAME
ACL	AC reactor (Power factor improvement)
DP	Drain Pump
FS	Float switch
F2	Fuse DC400 1A
MF	Fan Motor
TB2	Power source terminal block
TB5	Transmission terminal block
TB15	Transmission terminal block
TH21	Thermistor (inlet air temp. detection)
TH22	Thermistor (piping temp.detection/inlet water)
TH23	Thermistor (piping temp.detection/outlet water)
I.B.	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)

NOTE)1.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.

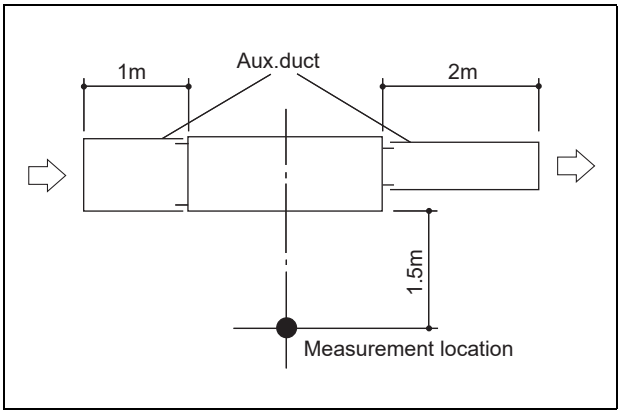


DIP SWITCH SETTING

MODEL	SW1	SW2	SW3	SW4	SW21	SW22	SWE
PEFY-WL04NMSU-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-WL06NMSU-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-WL08NMSU-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-WL12NMSU-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-WL15NMSU-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-WL18NMSU-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
S1:ON
S2:OFF

5-1. Sound levels



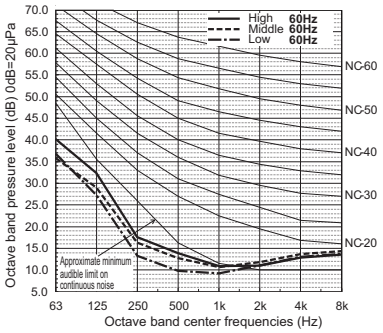
* Measured in anechoic room.

Sound level at anechoic room: Low-Mid-High

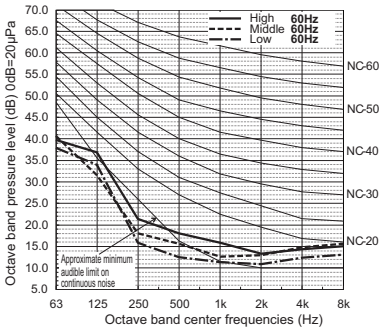
		Sound level dB (A)			
		5Pa	15Pa	35Pa	50Pa
PEFY-WL04NMSU-A	208-230V	20-21-22	22-23-25	24-25-26	24-25-27
PEFY-WL06NMSU-A	208-230V	22-24-26	22-24-28	23-26-29	23-27-30
PEFY-WL08NMSU-A	208-230V	22-25-29	23-26-30	24-28-31	25-29-33
PEFY-WL12NMSU-A	208-230V	23-27-32	23-28-34	25-29-36	25-31-37
PEFY-WL15NMSU-A	208-230V	27-29-31	29-31-34	31-33-36	32-34-37
PEFY-WL18NMSU-A	208-230V	29-33-36	30-34-37	31-35-38	32-36-39

5-2. NC curves

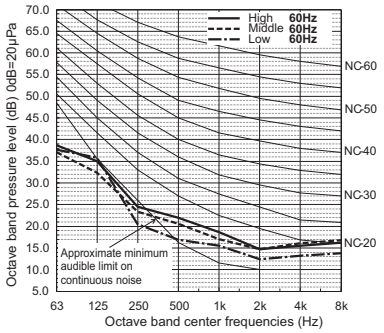
PEFY-WL04NMSU-A
External Static Pressure: 5Pa [0.02in.WG]
Power Source: 208-230V



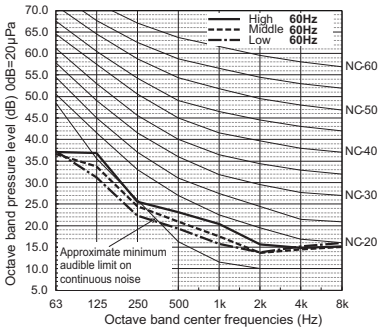
PEFY-WL04NMSU-A
External Static Pressure: 15Pa [0.06in.WG]
Power Source: 208-230V



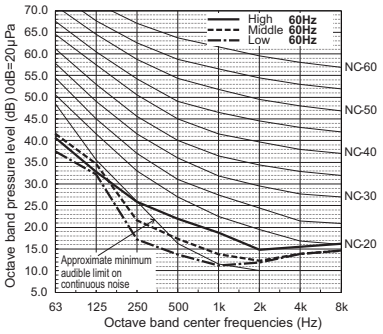
PEFY-WL04NMSU-A
External Static Pressure: 35Pa [0.14in.WG]
Power Source: 208-230V



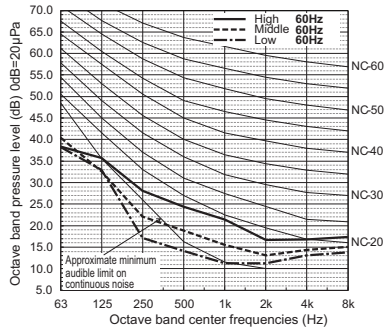
PEFY-WL04NMSU-A
External Static Pressure: 50Pa [0.20in.WG]
Power Source: 208-230V



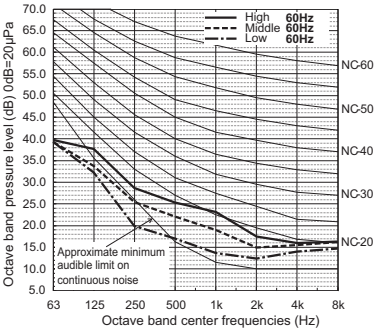
PEFY-WL06NMSU-A
External Static Pressure: 5Pa [0.02in.WG]
Power Source: 208-230V



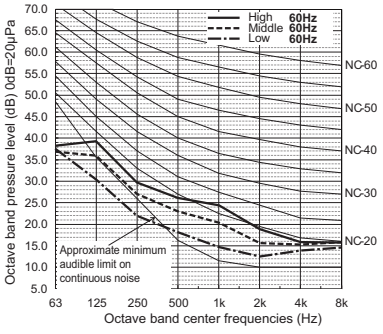
PEFY-WL06NMSU-A
External Static Pressure: 15Pa [0.06in.WG]
Power Source: 208-230V



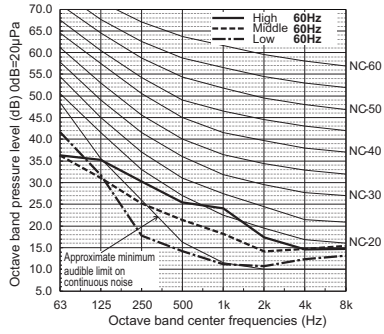
PEFY-WL06NMSU-A
External Static Pressure: 35Pa [0.14in.WG]
Power Source: 208-230V



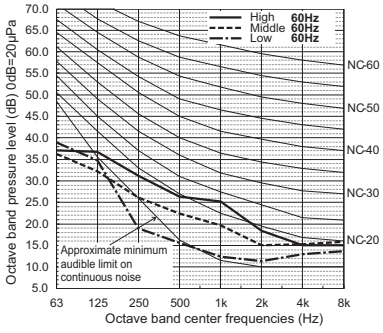
PEFY-WL06NMSU-A
External Static Pressure: 50Pa [0.20in.WG]
Power Source: 208-230V



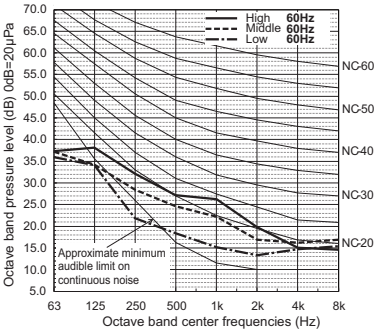
PEFY-WL08NMSU-A
External Static Pressure: 5Pa [0.02in.WG]
Power Source: 208-230V



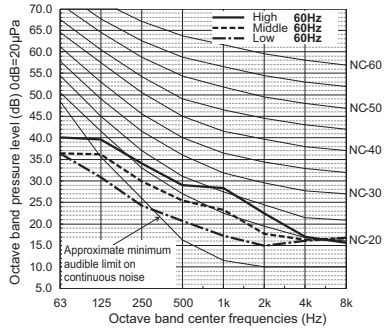
PEFY-WL08NMSU-A
External Static Pressure: 15Pa [0.06in.WG]
Power Source: 208-230V



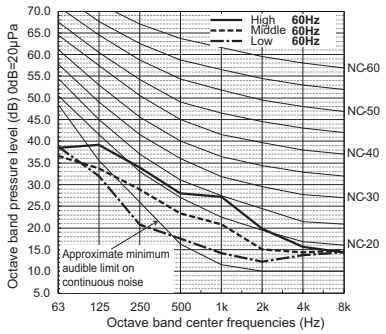
PEFY-WL08NMSU-A
External Static Pressure: 35Pa [0.14in.WG]
Power Source: 208-230V



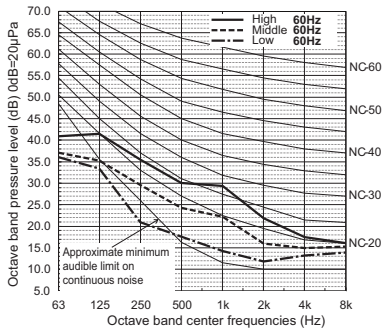
PEFY-WL08NMSU-A
External Static Pressure: 50Pa [0.20in.WG]
Power Source: 208-230V



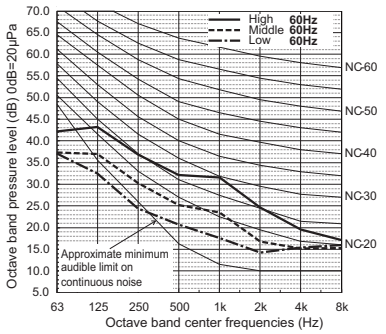
PEFY-WL12NMSU-A
External Static Pressure: 5Pa [0.02in.WG]
Power Source: 208-230V



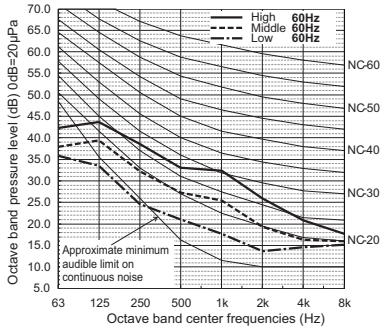
PEFY-WL12NMSU-A
External Static Pressure: 15Pa [0.06in.WG]
Power Source: 208-230V



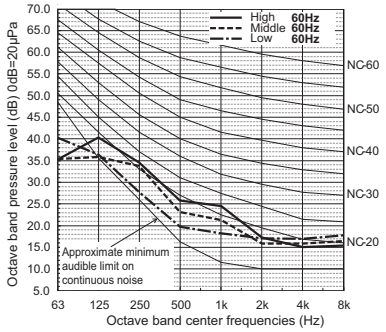
PEFY-WL12NMSU-A
External Static Pressure: 35Pa [0.14in.WG]
Power Source: 208-230V



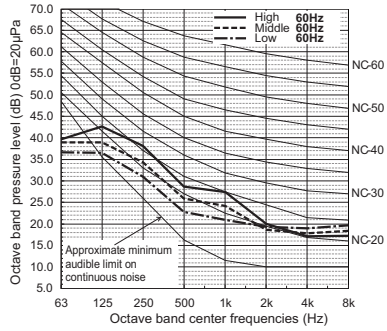
PEFY-WL12NMSU-A
External Static Pressure: 50Pa [0.20in.WG]
Power Source: 208-230V



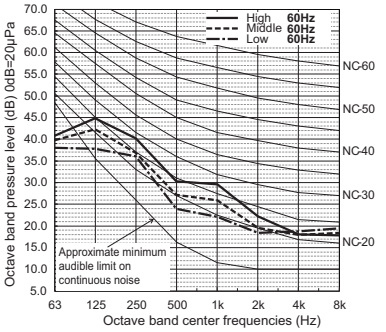
PEFY-WL15NMSU-A
External Static Pressure: 5Pa [0.02in.WG]
Power Source: 208-230V



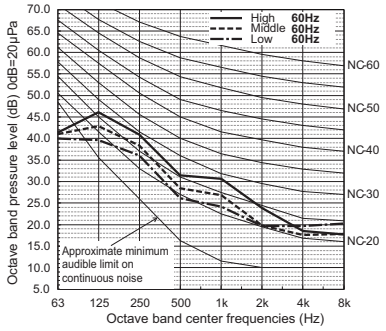
PEFY-WL15NMSU-A
External Static Pressure: 15Pa [0.06in.WG]
Power Source: 208-230V



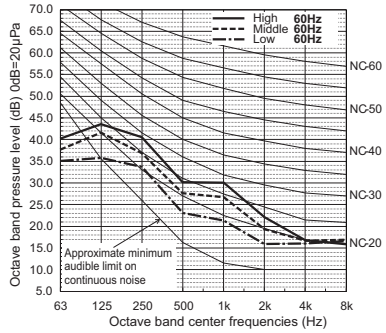
PEFY-WL15NMSU-A
External Static Pressure: 35Pa [0.14in.WG]
Power Source: 208-230V



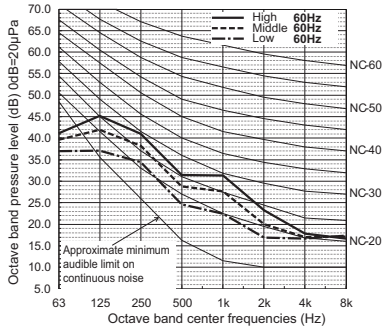
PEFY-WL15NMSU-A
External Static Pressure: 50Pa [0.20in.WG]
Power Source: 208-230V



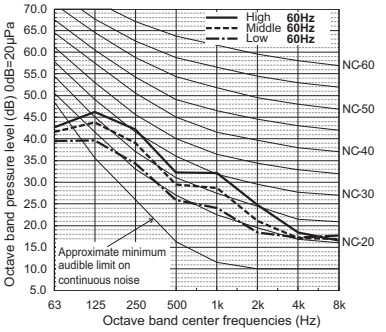
PEFY-WL18NMSU-A
External Static Pressure: 5Pa [0.02in.WG]
Power Source: 208-230V



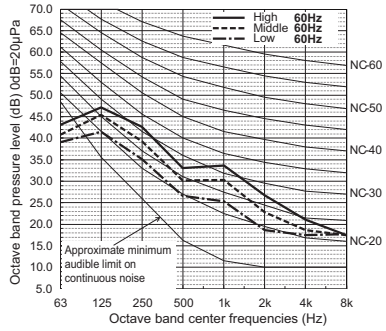
PEFY-WL18NMSU-A
External Static Pressure: 15Pa [0.06in.WG]
Power Source: 208-230V



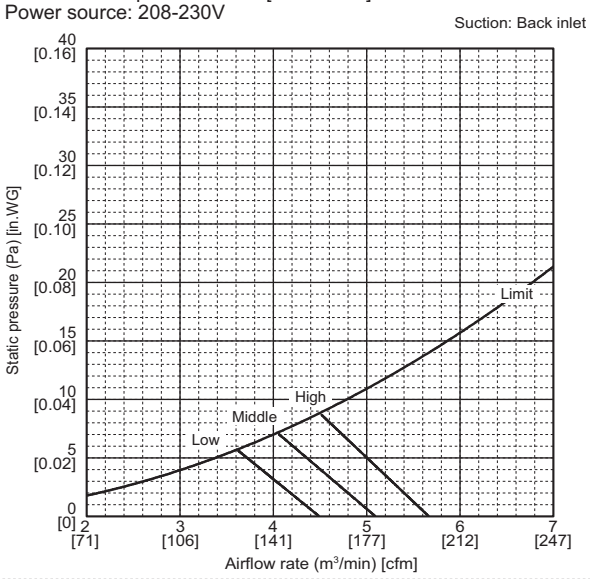
PEFY-WL18NMSU-A
External Static Pressure: 35Pa [0.14in.WG]
Power Source: 208-230V



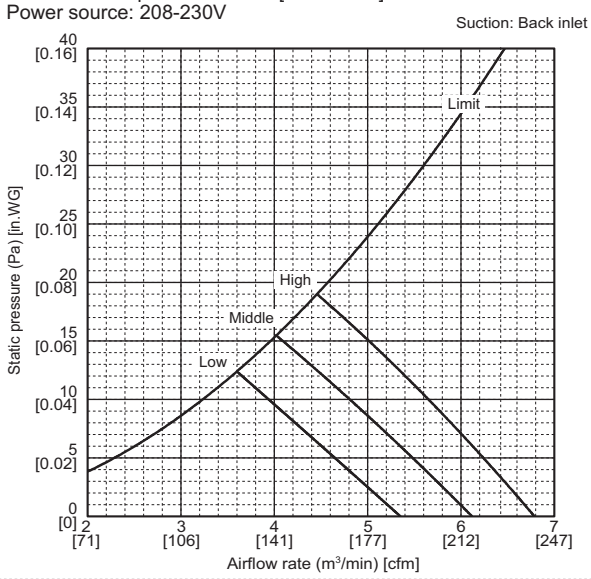
PEFY-WL18NMSU-A
External Static Pressure: 50Pa [0.20in.WG]
Power Source: 208-230V



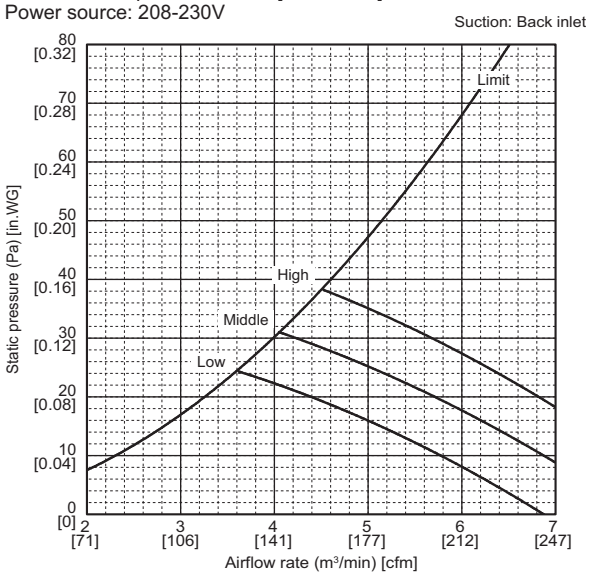
PEFY-WL04NMSU-A
External static pressure: 5Pa [0.02in.WG]
Power source: 208-230V



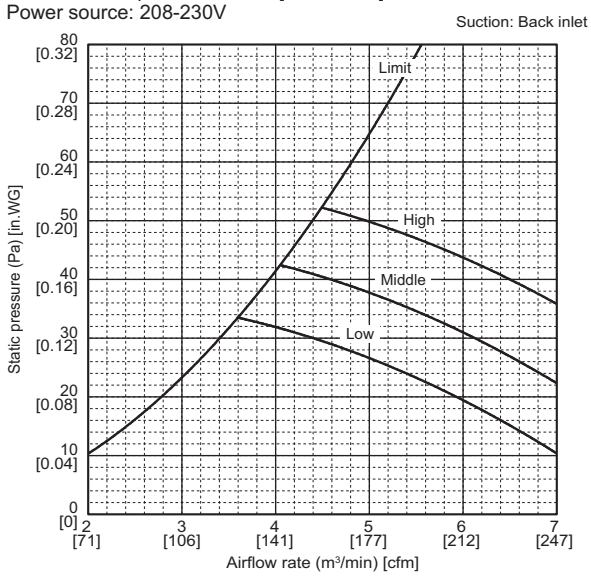
PEFY-WL04NMSU-A
External static pressure: 15Pa [0.06in.WG]
Power source: 208-230V



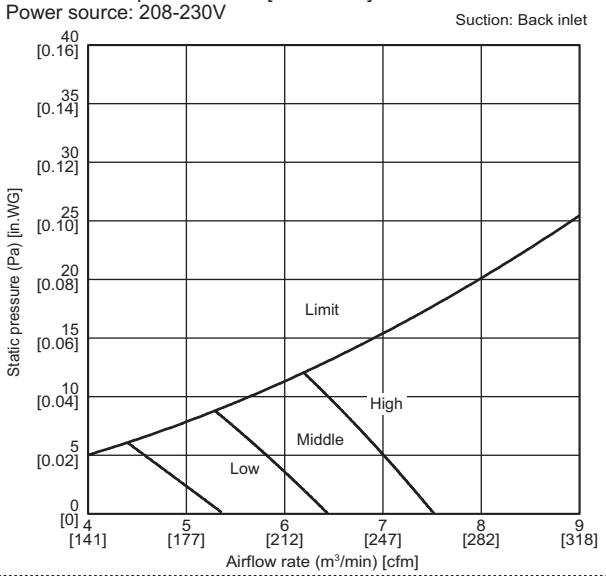
PEFY-WL04NMSU-A
External static pressure: 35Pa [0.14in.WG]
Power source: 208-230V



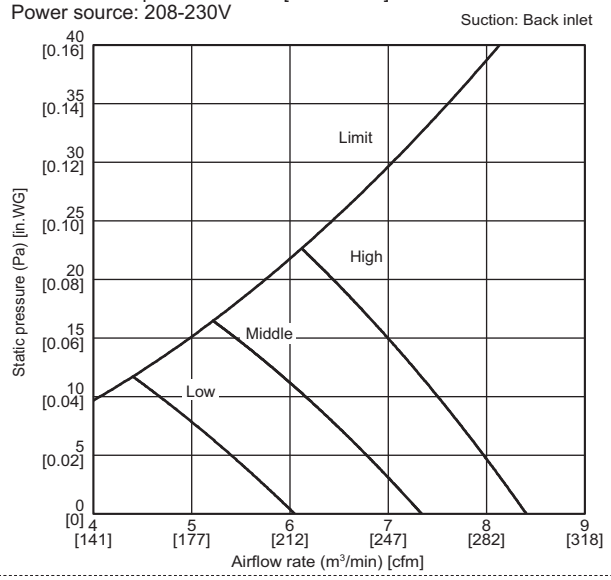
PEFY-WL04NMSU-A
External static pressure: 50Pa [0.20in.WG]
Power source: 208-230V



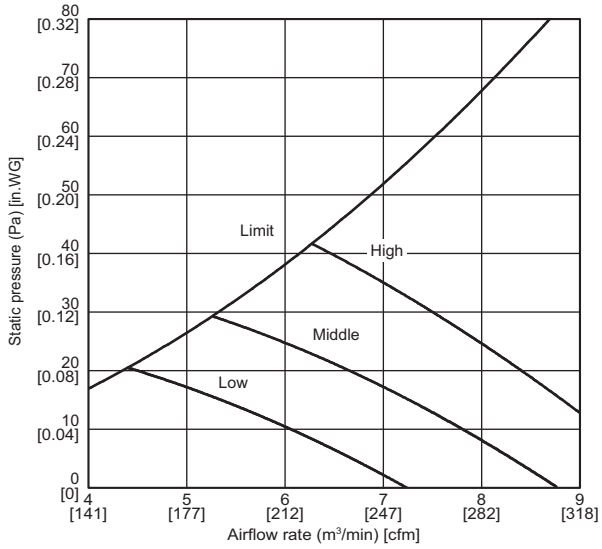
PEFY-WL06NMSU-A
External static pressure: 5Pa [0.02in.WG]
Power source: 208-230V



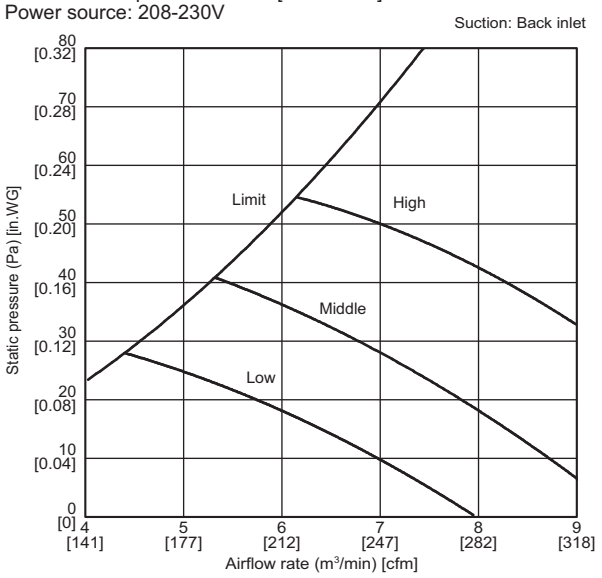
PEFY-WL06NMSU-A
External static pressure: 15Pa [0.06in.WG]
Power source: 208-230V



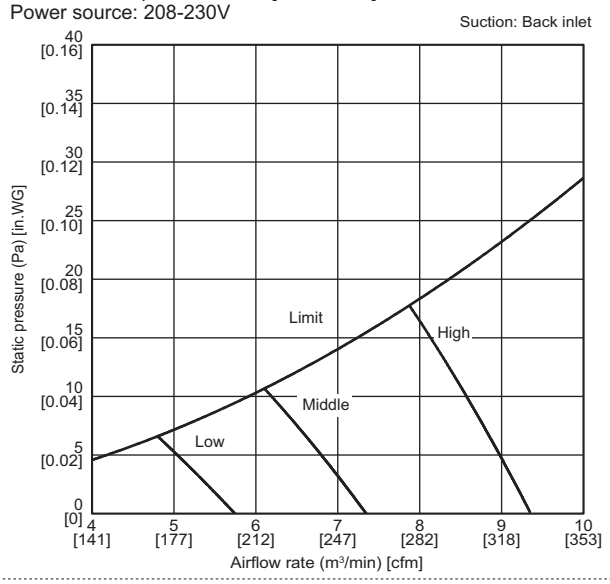
PEFY-WL06NMSU-A
External static pressure: 35Pa [0.14in.WG]
Power source: 208-230V
Suction: Back inlet



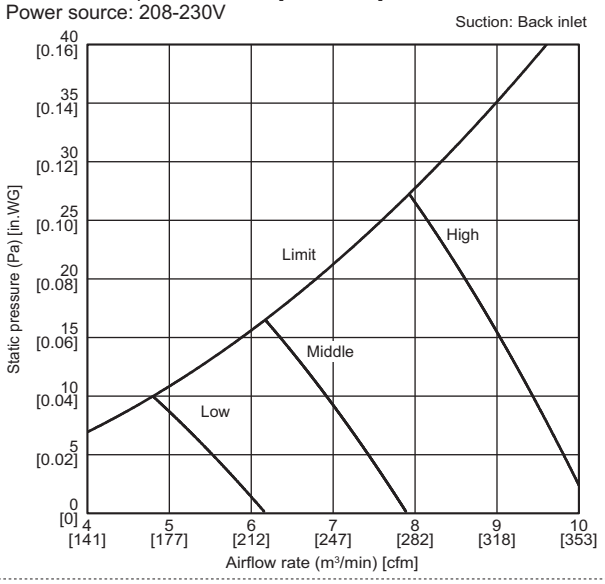
PEFY-WL06NMSU-A
External static pressure: 50Pa [0.20in.WG]
Power source: 208-230V
Suction: Back inlet



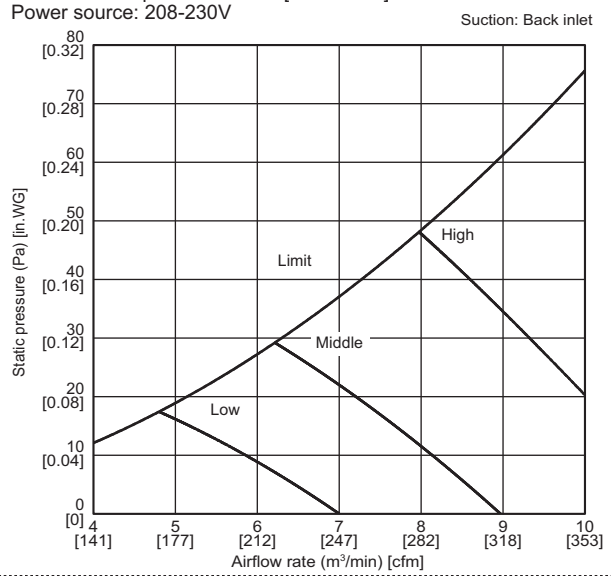
PEFY-WL08NMSU-A
External static pressure: 5Pa [0.02in.WG]
Power source: 208-230V
Suction: Back inlet



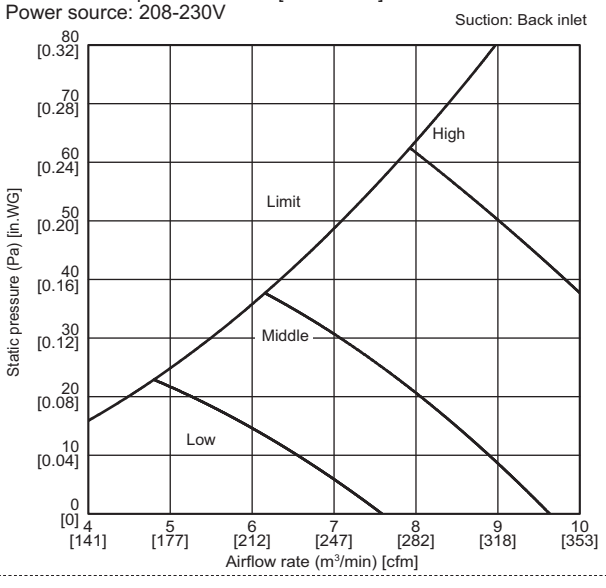
PEFY-WL08NMSU-A
External static pressure: 15Pa [0.06in.WG]
Power source: 208-230V
Suction: Back inlet



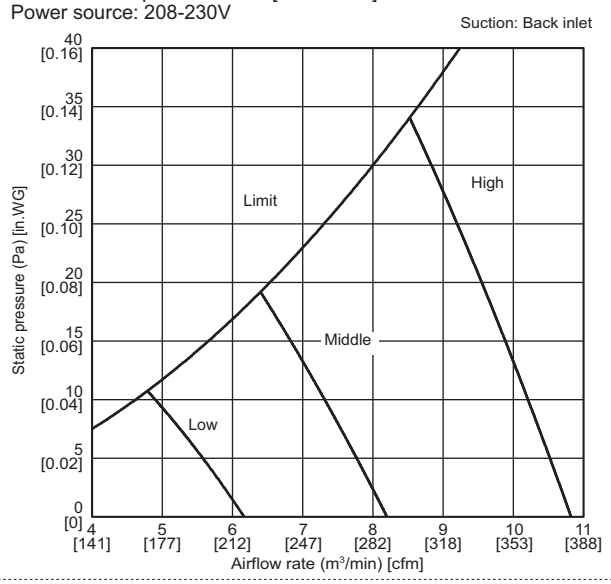
PEFY-WL08NMSU-A
External static pressure: 35Pa [0.14in.WG]
Power source: 208-230V
Suction: Back inlet



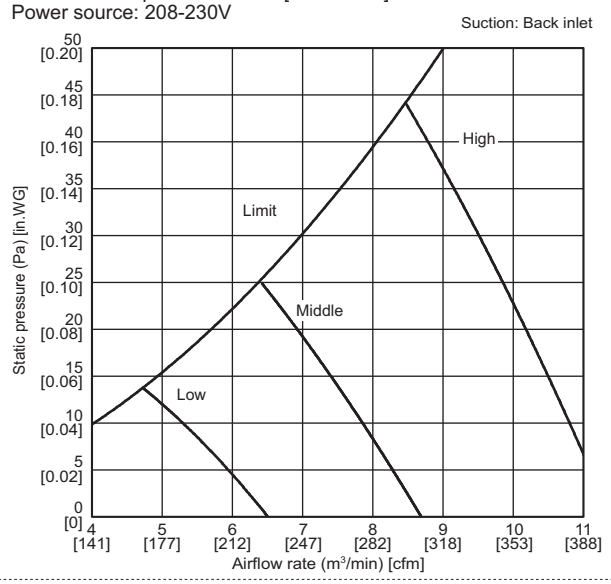
PEFY-WL08NMSU-A
External static pressure: 50Pa [0.20in.WG]
Power source: 208-230V
Suction: Back inlet



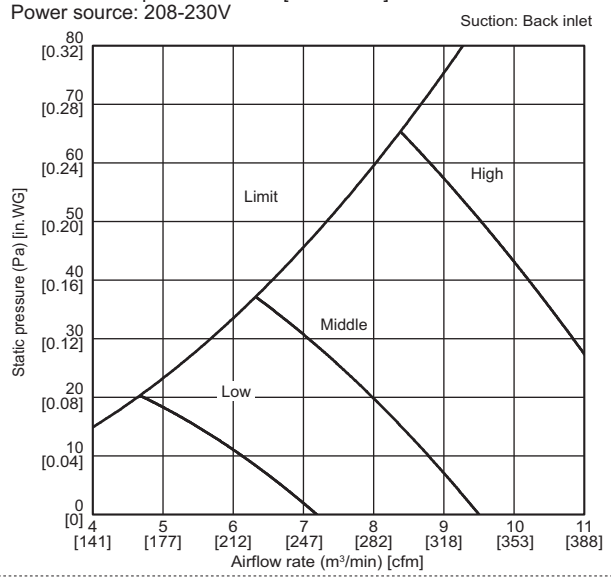
PEFY-WL12NMSU-A
External static pressure: 5Pa [0.02in.WG]
Power source: 208-230V



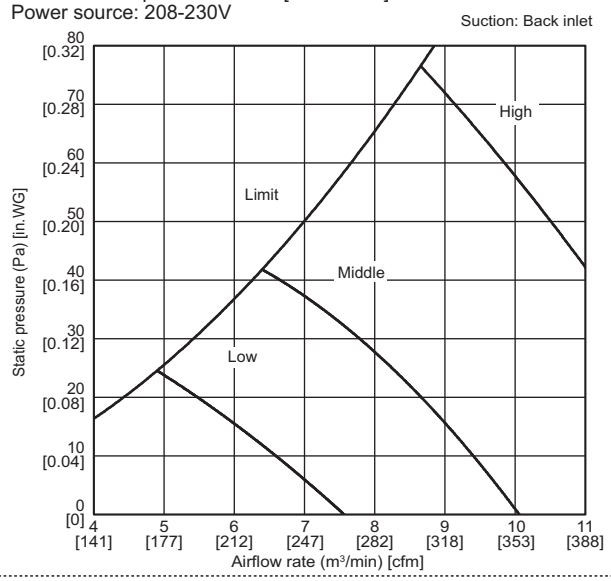
PEFY-WL12NMSU-A
External static pressure: 15Pa [0.06in.WG]
Power source: 208-230V



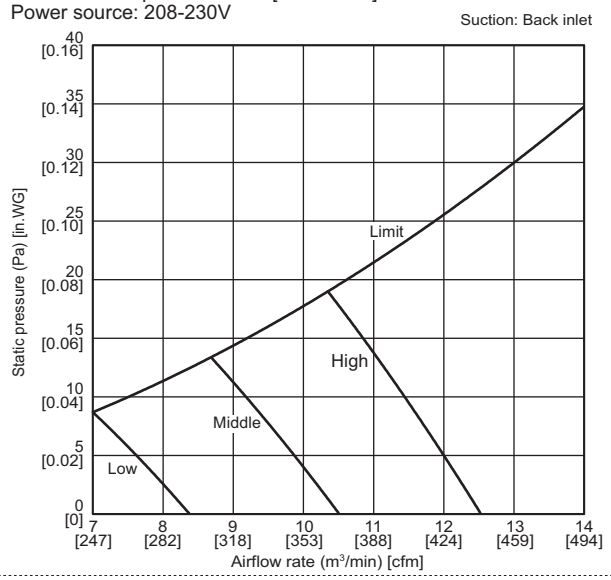
PEFY-WL12NMSU-A
External static pressure: 35Pa [0.14in.WG]
Power source: 208-230V



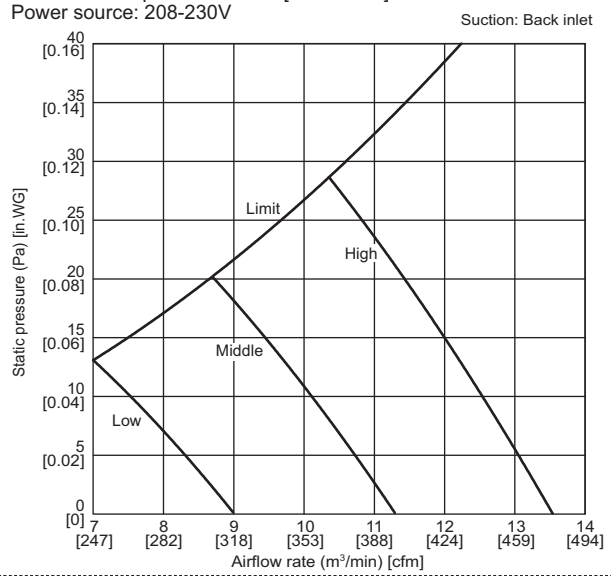
PEFY-WL12NMSU-A
External static pressure: 50Pa [0.20in.WG]
Power source: 208-230V



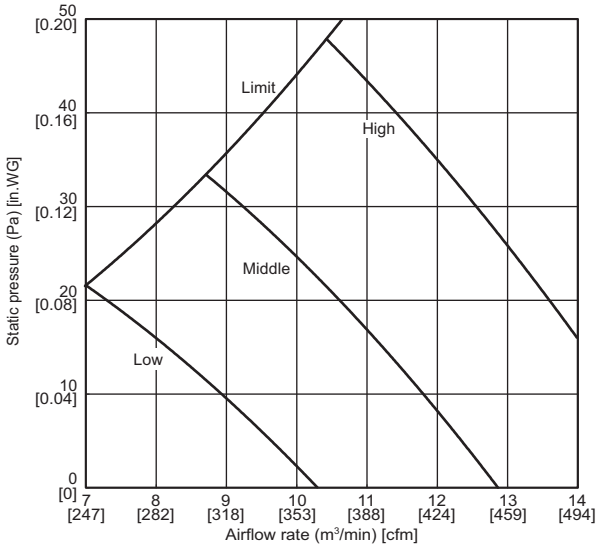
PEFY-WL15NMSU-A
External static pressure: 5Pa [0.02in.WG]
Power source: 208-230V



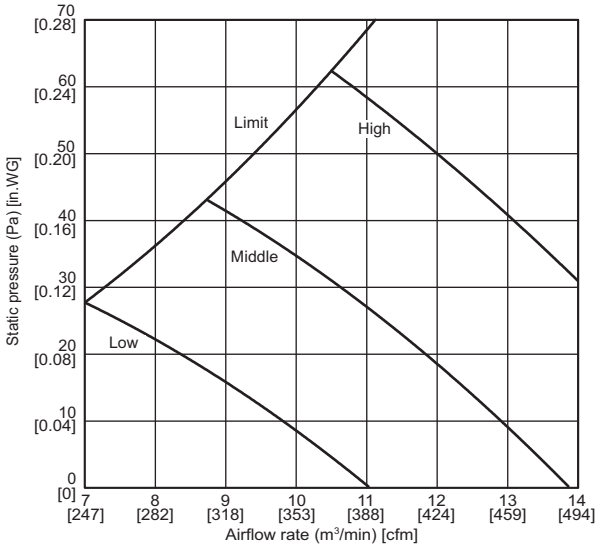
PEFY-WL15NMSU-A
External static pressure: 15Pa [0.06in.WG]
Power source: 208-230V



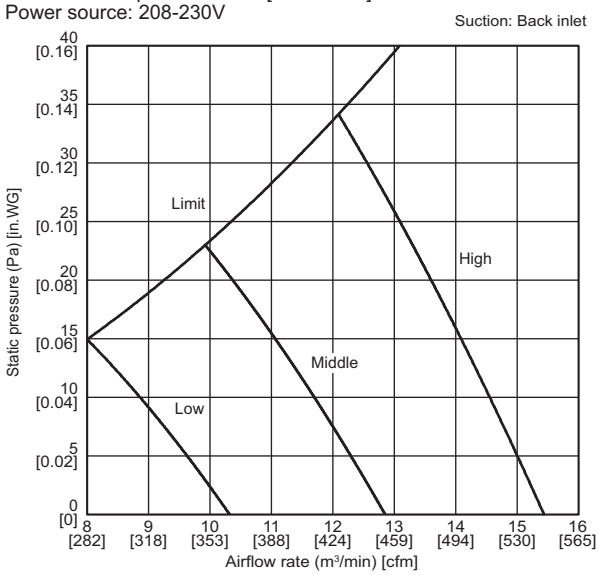
PEFY-WL15NMSU-A
External static pressure: 35Pa [0.14in.WG]
Power source: 208-230V
Suction: Back inlet



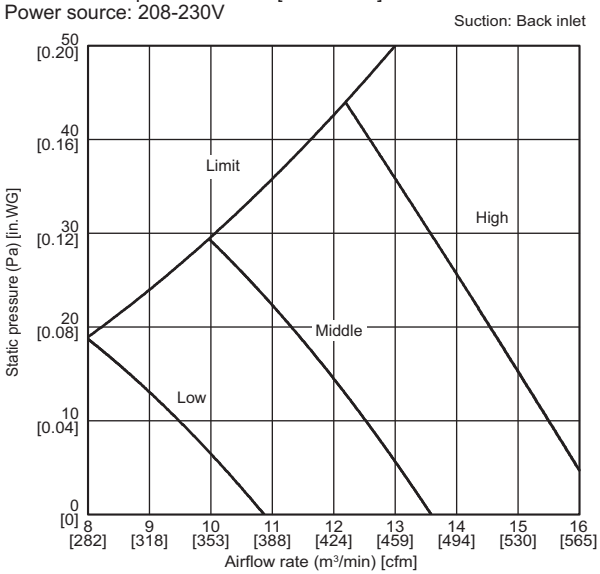
PEFY-WL15NMSU-A
External static pressure: 50Pa [0.20in.WG]
Power source: 208-230V
Suction: Back inlet



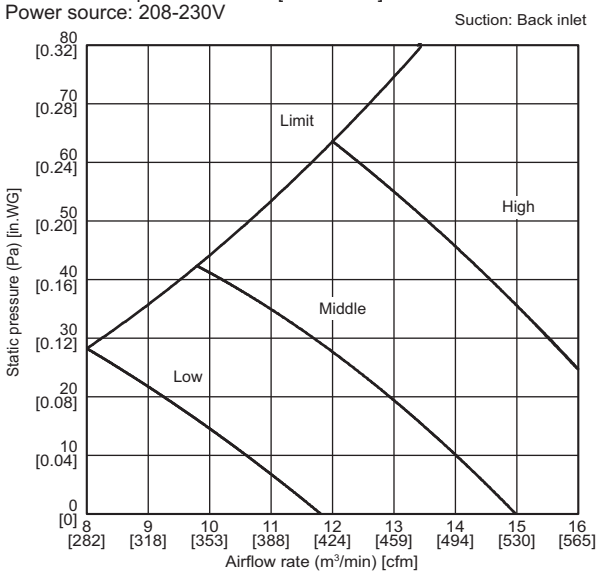
PEFY-WL18NMSU-A
External static pressure: 5Pa [0.02in.WG]
Power source: 208-230V
Suction: Back inlet



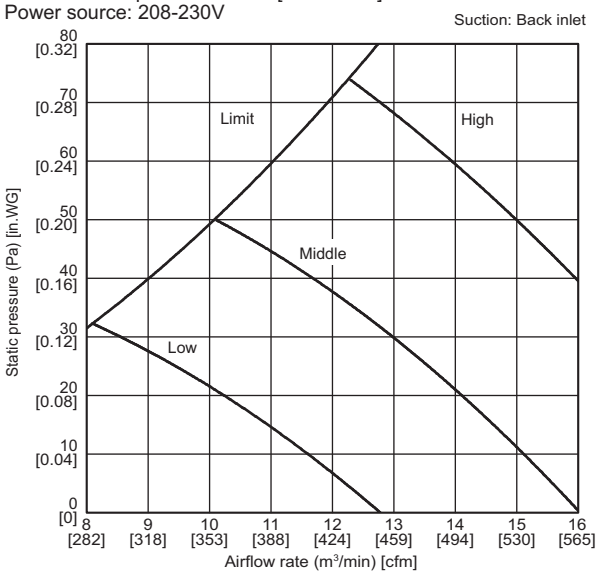
PEFY-WL18NMSU-A
External static pressure: 15Pa [0.06in.WG]
Power source: 208-230V
Suction: Back inlet



PEFY-WL18NMSU-A
External static pressure: 35Pa [0.14in.WG]
Power source: 208-230V
Suction: Back inlet



PEFY-WL18NMSU-A
External static pressure: 50Pa [0.20in.WG]
Power source: 208-230V
Suction: Back inlet



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

Model	Power supply			IFM	
	Volts/Hz	Range +-10%	MCA (A)	Output (kW)	FLA (A)
PEFY-WL04NMSU-A	208-230 V/60 Hz	Max.: 253 V Min.: 188 V	0.68	0.096	0.54
PEFY-WL06NMSU-A			0.79	0.096	0.63
PEFY-WL08NMSU-A			0.95	0.096	0.76
PEFY-WL12NMSU-A			1.17	0.096	0.93
PEFY-WL15NMSU-A			1.20	0.096	0.96
PEFY-WL18NMSU-A			1.35	0.096	1.08

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

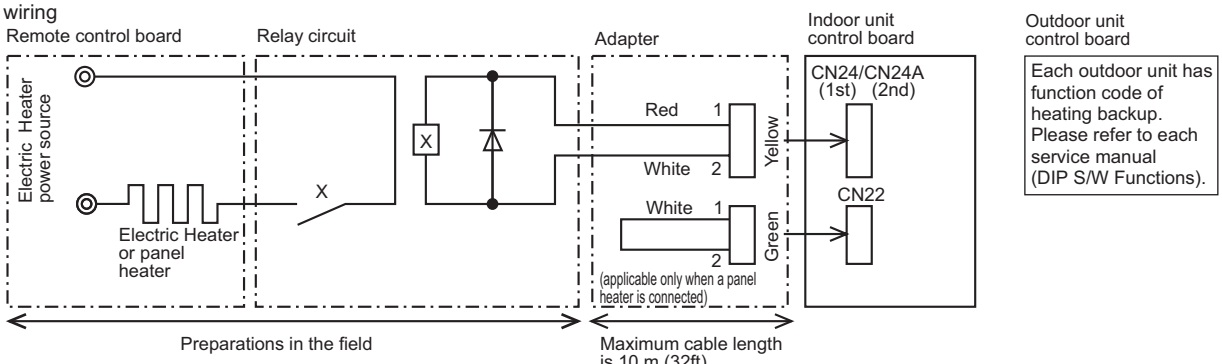
	External heater adapter
PEFY-WL04, 06, 08, 12, 15, 18NMSU-A	PAC-YU25HT

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.)

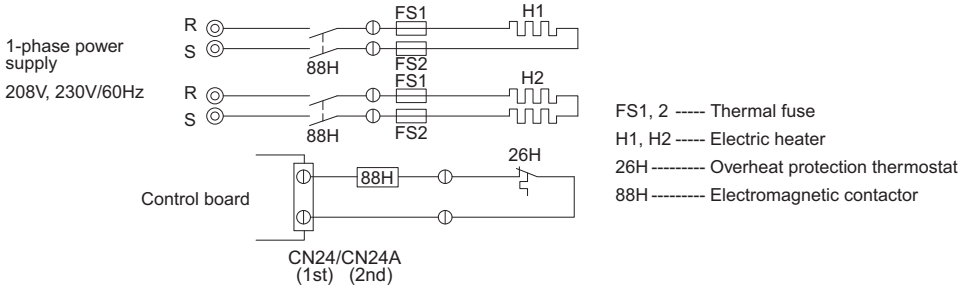
(1) Basic wiring

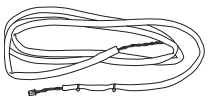
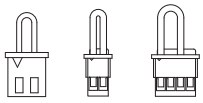


For relay X, use the specifications given below.
- Operation coil
- Rated voltage: 12VDC
- Power consumption: 0.9W or less
- * Use the diode that is recommended by the relay manufacturer at both ends of the relay coil.

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 mm^2 ~ 1.25 mm^2 (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, R410A.

MITSUBISHI ELECTRIC CORPORATION

www.MitsubishiElectric.com

MEES24K043

New publication effective Sep. 2024
Specifications subject to change without notice