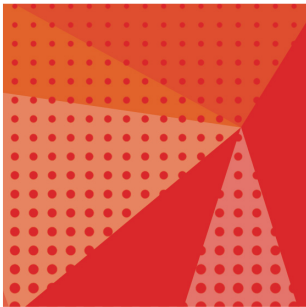


AIR CONDITIONING SYSTEMS

CITY MULTI

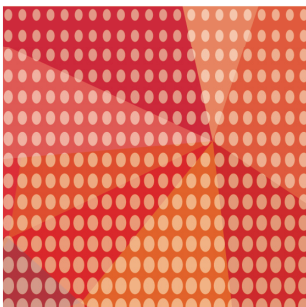


DATA BOOK

MODEL

PEFY-P-NMHU-E2

PEFY-P-NMHSU-E



PEFY-P-NMHU-E2, PEFY-P-NMHSU-E

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1. SPECIFICATIONS

Ceiling concealed (High static pressure type)

PEFY-P-NMHU-E2, NMHSU-E

Model			PEFY-P15NMHU-E2	PEFY-P18NMHU-E2	PEFY-P24NMHU-E2	PEFY-P27NMHU-E2	
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 (Nominal)		*1 BTU/h	15,000	18,000	24,000	27,000	
		*1 kW	4.4	5.3	7.0	7.9	
	*2	Power input (208/230V)	kW	0.270/0.280	0.330/0.320	0.390	
	*2	Current input (208/230V)	A	1.32/1.25	1.61/1.43	1.90/1.73	
Heating capacity (Nominal)		*3 BTU/h	17,000	20,000	27,000	30,000	
		*3 kW	5.0	5.9	7.9	8.8	
	*2	Power input (208/230V)	kW	0.250/0.260	0.310/0.300	0.370	
	*2	Current input (208/230V)	A	1.21/1.14	1.50/1.32	1.79/1.62	
External finish			Galvanized steel plate	Galvanized steel plate	Galvanized steel plate	Galvanized steel plate	
External dimension H x W x D		in.	15 x 29-3/8 x 35-7/16	15 x 29-3/8 x 35-7/16	15 x 29-3/8 x 35-7/16	15 x 40-9/16 x 35-7/16	
		mm	380 x 745 x 900	380 x 745 x 900	380 x 745 x 900	380 x 1,030 x 900	
Net weight		lbs (kg)	98 (44)	98 (44)	100 (45)	124 (56)	
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 1	Sirocco fan x 1	Sirocco fan x 1	Sirocco fan x 2	
	*4	External static press. (208V)	in.WG	<0.40> - <1.00>	<0.40> - <1.00>	<0.40> - <1.00>	
			Pa	<100> - <250>	<100> - <250>	<100> - <250>	
		(230V)	in.WG	<0.60> - 1.00	<0.60> - 1.00	<0.60> - 1.00	
			Pa	<150> - 250	<150> - 250	<150> - 250	
	Motor Type		1-phase induction motor	1-phase induction motor	1-phase induction motor	1-phase induction motor	
	Motor output		kW	0.17	0.17	0.25	0.26
	Driving mechanism		Direct-driven by motor	Direct-driven by motor	Direct-driven by motor	Direct-driven by motor	
	Air flow rate		(Low-High)	(Low-High)	(Low-High)	(Low-High)	
			cfm	353 - 494	353 - 494	477 - 671	547 - 777
m³/min			10.0 - 14.0	10.0 - 14.0	13.5 - 19.0	15.5 - 22.0	
L/s			167 - 233	167 - 233	225 - 317	258 - 367	
Sound pressure level (measured in anechoic room)		*2	(Low-High)	(Low-High)	(Low-High)	(Low-High)	
		(208V)	dB <A>	39-45	39-45	40-46	38-44
		(230V)	dB <A>	39-45	40-46	38-44	
Insulation material			EPS, Polyethylene foam, Urethane foam	EPS, Polyethylene foam, Urethane foam	EPS, Polyethylene foam, Urethane foam	EPS, Polyethylene foam, Urethane foam	
Air filter			Option:Synthetic fiber unwoven cloth filter(long life filter) and filter box are recommended.	Option:Synthetic fiber unwoven cloth filter(long life filter) and filter box are recommended.	Option:Synthetic fiber unwoven cloth filter(long life filter) and filter box are recommended.	Option:Synthetic fiber unwoven cloth filter(long life filter) and filter box are recommended.	
Protection device			Fuse	Fuse	Fuse	Fuse	
Refrigerant control device			LEV	LEV	LEV	LEV	
Connectable outdoor unit			R410A	R410A	R410A	R410A	
Diameter of refrigerant pipe	Liquid (R410A)	in. (mm)	1/4 (6.35)Braze	1/4 (6.35)Braze	3/8 (9.52)Braze	3/8 (9.52)Braze	
	Gas (R410A)	in. (mm)	1/2 (12.7)Braze	1/2 (12.7)Braze	5/8 (15.88)Braze	5/8 (15.88)Braze	
Field drain pipe size		in. (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		KJ94C834	KJ94C834	KJ94C834	KJ94C834	
	Wiring		KJ94C833	KJ94C833	KJ94C833	KJ94C833	
	Refrigerant cycle		-	-	-	-	
Standard attachment	Document		Installation Manual, Instruction Book	Installation Manual, Instruction Book	Installation Manual, Instruction Book	Installation Manual, Instruction Book	
	Accessory		Insulation pipe for refrigerant pipe, Washer, Drain hose, Tie band	Insulation pipe for refrigerant pipe, Washer, Drain hose, Tie band	Insulation pipe for refrigerant pipe, Washer, Drain hose, Tie band	Insulation pipe for refrigerant pipe, Washer, Drain hose, Tie band	
Optional parts	Drain pump		-	-	-	-	
	External heater adapter		PAC-YU25HT	PAC-YU25HT	PAC-YU25HT	PAC-YU25HT	
	Long life filter		PAC-KE86LAF	PAC-KE86LAF	PAC-KE86LAF	PAC-KE88LAF	
	Filter box		PAC-KE63TB-F	PAC-KE63TB-F	PAC-KE63TB-F	PAC-KE80TB-G	
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:25ft.(7.6m), Level difference:0ft.(0m)		BTU/h =kW x 3.412
2.The values are measured at the rated 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:25ft.(7.6m), Level difference:0ft.(0m)		lbs =kg/0.4536
4.The rated external static pressure is shown without < >.The factory setting is the rated value.		
		*Above specification data is subject to rounding variation.

1. SPECIFICATIONS

Ceiling concealed (High static pressure type)

Model			PEFY-P30NMHU-E2	PEFY-P36NMHU-E2	PEFY-P48NMHU-E2	PEFY-P54NMHU-E2	
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 (Nominal)	*1	BTU/h	30,000	36,000	48,000	54,000	
	*1	kW	8.8	10.6	14.1	15.8	
	*2	Power input (208/230V)	kW	0.450	0.620/0.610	0.630/0.620	
	*2	Current input (208/230V)	A	2.20/2.00	3.10/2.74	3.11/2.78	
Heating capacity (Nominal)	*3	BTU/h	34,000	40,000	54,000	60,000	
	*3	kW	10.0	11.7	15.8	17.6	
	*2	Power input (208/230V)	kW	0.430	0.600/0.590	0.610/0.600	
	*2	Current input (208/230V)	A	2.09/1.89	2.99/2.63	3.00/2.67	
External finish			Galvanized steel plate	Galvanized steel plate	Galvanized steel plate	Galvanized steel plate	
External dimension H x W x D		in.	15 x 40-9/16 x 35-7/16	15 x 47-1/16 x 35-7/16	15 x 47-1/16 x 35-7/16	15 x 47-1/16 x 35-7/16	
		mm	380 x 1,030 x 900	380 x 1,195 x 900	380 x 1,195 x 900	380 x 1,195 x 900	
Net weight		lbs (kg)	124 (56)	153 (69)	153 (69)	157 (71)	
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 2	
	*4 External static press.	(208V) in.WG	<0.40> - <1.00>	<0.40> - <1.00>	<0.40> - <1.00>	<0.40> - <1.00>	
		Pa	<100> - <250>	<100> - <250>	<100> - <250>	<100> - <250>	
		(230V) in.WG	<0.60> - 1.00	<0.60> - 1.00	<0.60> - 1.00	<0.60> - 1.00	
		Pa	<150> - 250	<150> - 250	<150> - 250	<150> - 250	
	Motor Type		1-phase induction motor	1-phase induction motor	1-phase induction motor	1-phase induction motor	
	Motor output		kW	0.31	0.49	0.55	
	Driving mechanism		Direct-driven by motor	Direct-driven by motor	Direct-driven by motor	Direct-driven by motor	
	Air flow rate		(Low-High)	(Low-High)	(Low-High)	(Low-High)	
			cfm	636 - 883	936 - 1,342	936 - 1,342	989 - 1,412
			m³/min	18.0 - 25.0	26.5 - 38.0	26.5 - 38.0	28.0 - 40.0
			L/s	300 - 417	442 - 633	442 - 633	467 - 667
Sound pressure level (measured in anechoic room)		*2 (Low-High)	(Low-High)	(Low-High)	(Low-High)		
(208V) dB <A>		38-44	40-46	40-46	41-47		
(230V) dB <A>		38-44	40-46	40-46	41-47		
Insulation material			EPS, Polyethylene foam, Urethane foam	EPS, Polyethylene foam, Urethane foam	EPS, Polyethylene foam, Urethane foam	EPS, Polyethylene foam, Urethane foam	
Air filter			Option:Synthetic fiber unwoven cloth filter(long life filter) and filter box are recommended.	Option:Synthetic fiber unwoven cloth filter(long life filter) and filter box are recommended.	Option:Synthetic fiber unwoven cloth filter(long life filter) and filter box are recommended.	Option:Synthetic fiber unwoven cloth filter(long life filter) and filter box are recommended.	
Protection device			Fuse	Fuse	Fuse	Fuse	
Refrigerant control device			LEV	LEV	LEV	LEV	
Connectable outdoor unit			R410A	R410A	R410A	R410A	
Diameter of refrigerant pipe	Liquid (R410A)	in. (mm)	3/8 (9.52)Braze	3/8 (9.52)Braze	3/8 (9.52)Braze	3/8 (9.52)Braze	
	Gas (R410A)	in. (mm)	5/8 (15.88)Braze	5/8 (15.88)Braze	5/8 (15.88)Braze	5/8 (15.88)Braze	
Field drain pipe size		in. (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		KJ94C834	KJ94C834	KJ94C834	KJ94C834	
	Wiring		KJ94C833	KJ94C833	KJ94C833	KJ94C833	
	Refrigerant cycle		-	-	-	-	
Standard attachment	Document		Installation Manual, Instruction Book	Installation Manual, Instruction Book	Installation Manual, Instruction Book	Installation Manual, Instruction Book	
	Accessory		Insulation pipe for refrigerant pipe, Washer, Drain hose, Tie band	Insulation pipe for refrigerant pipe, Washer, Drain hose, Tie band	Insulation pipe for refrigerant pipe, Washer, Drain hose, Tie band	Insulation pipe for refrigerant pipe, Washer, Drain hose, Tie band	
Optional parts	Drain pump		-	-	-	-	
	External heater adapter		PAC-YU25HT	PAC-YU25HT	PAC-YU25HT	PAC-YU25HT	
	Long life filter		PAC-KE88LAF	PAC-KE89LAF	PAC-KE89LAF	PAC-KE89LAF	
	Filter box		PAC-KE80TB-G	PAC-KE140TB-F	PAC-KE140TB-F	PAC-KE140TB-F	
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°F WB(26.7°CDB/19.4°CWB), Outdoor:95°FDB(35°CDB) Pipe length:25ft.(7.6m), Level difference:0ft.(0m)	BTU/h =kW x 3,412 cfm =m ³ /min x 35.31 lbs =kg/0.4536
2.The values are measured at the rated external static pressure.	
3.Nominal heating conditions Indoor:70°FDB(21.1°CDB), Outdoor:47°FDB/43°F WB(8.3°CDB/6.1°CWB) Pipe length:25ft.(7.6m), Level difference:0ft.(0m)	
4.The rated external static pressure is shown without < > .The factory setting is the rated value.	
	*Above specification data is subject to rounding variation.

1. SPECIFICATIONS

Ceiling concealed (High static pressure type)

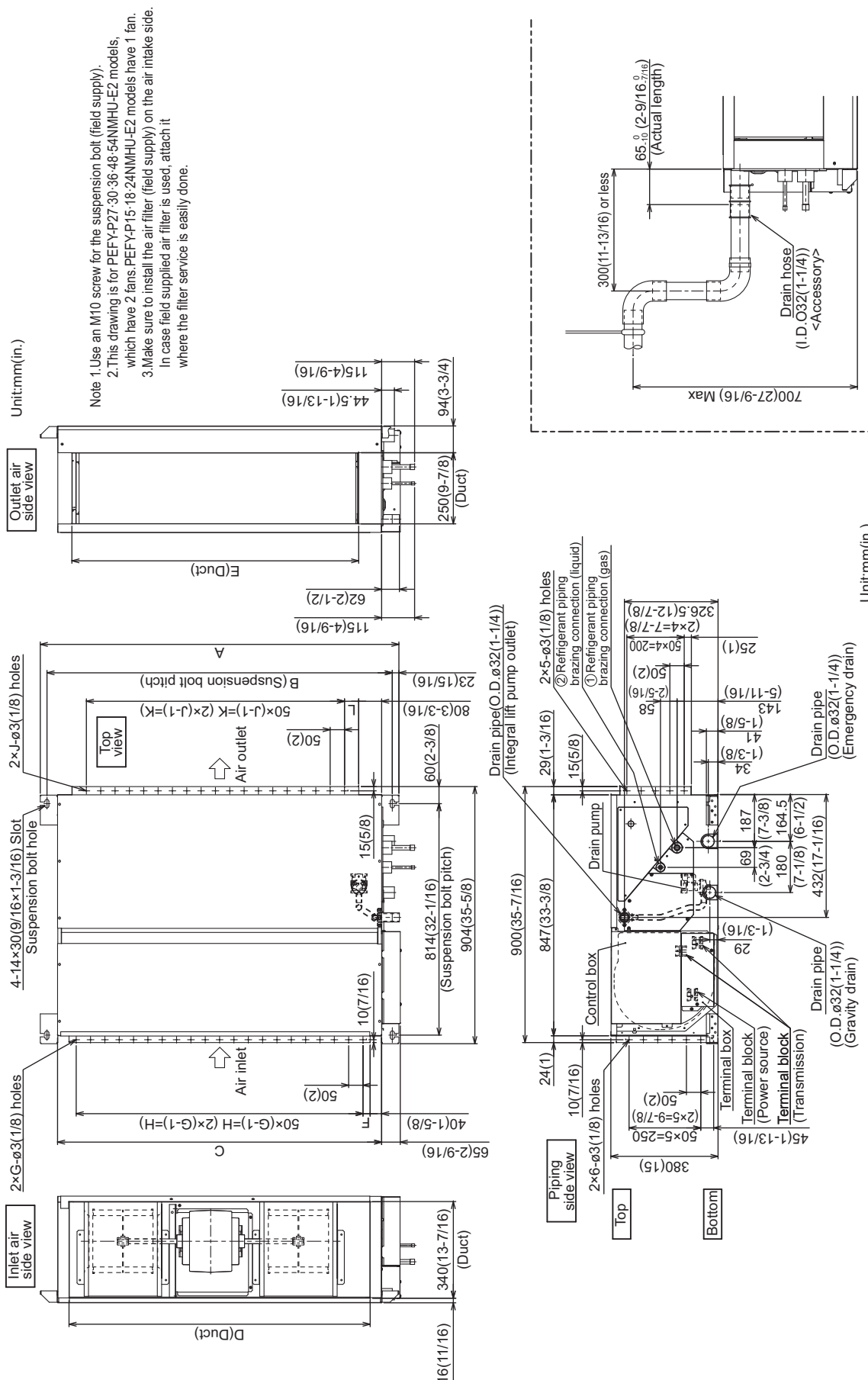
PEFY-P-NMHU-E2, NMHSU-E

Model			PEFY-P72NMHSU-E	PEFY-P96NMHSU-E			
Power source			1-phase 208-230 V 50/60 Hz	1-phase 208-230 V 50/60 Hz			
Cooling capacity (Nominal)	*1	BTU / h	72,000	96,000			
	*1	kW	21.1	28.1			
	*2	Power input	kW	0.63	0.82		
	*2	Current input (208/230V)	A	3.67/3.32	4.89/4.43		
Heating capacity (Nominal)	*3	BTU / h	80,000	108,000			
	*3	kW	23.4	31.7			
	*2	Power input	kW	0.63	0.82		
	*2	Current input (208/230V)	A	3.67/3.32	4.89/4.43		
External finish			Galvanized steel plate	Galvanized steel plate			
External dimension HxWxD		in.	18-9/16 x 49-1/4 x 44-1/8	18-9/16 x 49-1/4 x 44-1/8			
		mm	470 x 1,250 x 1,120	470 x 1,250 x 1,120			
Net weight		lbs (kg)	214 (97)	221 (100)			
Heat exchanger			Cross fin(Aluminum fin and copper tube)				
FAN	Type x Quantity		Sirocco fan x 2	Sirocco fan x 2			
	*4 External static press.	(208V)	in.WG	<0.20> - <0.40> - 0.60 - <0.80> - <1.00>	<0.20> - <0.40> - 0.60 - <0.80> - <1.00>		
		Pa		<50> - <100> - 150 - <200> - <250>	<50> - <100> - 150 - <200> - <250>		
		(230V)	in.WG	<0.20> - <0.40> - 0.60 - <0.80> - <1.00>	<0.20> - <0.40> - 0.60 - <0.80> - <1.00>		
				Pa	<50> - <100> - 150 - <200> - <250>	<50> - <100> - 150 - <200> - <250>	
	Motor Type		DC motor	DC motor			
	Motor output		kW	0.870	0.870		
	Driving mechanism		Inverter-control	Inverter-control			
	Air flow rate		(Low-Mid-High)		(Low-Mid-High)		
			cfm	1,766 - 2,154 - 2,542	2,048 - 2,507 - 2,966		
			m ³ / min	50.0 - 61.0 - 72.0	58.0 - 71.0 - 84.0		
	L/s		833 - 1,017 - 1,200	967 - 1,183 - 1,400			
Sound pressure level (measured in anechoic room)		*2	(Low-Mid-High)	(Low-Mid-High)			
(208V)		dB <A>	36-39-43	39-42-46			
(230V)		dB <A>	36-39-43	39-42-46			
Insulation material			EPS, Polyethylene foam, Urethane foam				
Air filter			Option:Synthetic fiber unwoven cloth filter(long life filter) and filter box are recommended.				
Protection device			Fuse	Fuse			
Refrigerant control device			LEV	LEV			
Connectable outdoor unit			R410A	R410A			
Diameter of refrigerant pipe	Liquid (R410A)	in. (mm)	3/8(9.52)Braze	3/8(9.52)Braze			
	Gas (R410A)	in. (mm)	3/4(19.05)Braze	7/8(22.22)Braze			
Field drain pipe size		in. (mm)	O.D.1-1/4(32)	O.D.1-1/4(32)			
Drawing	External		KD94L345	KD94L345			
	Wiring		KD94L346	KD94L346			
	Refrigerant cycle		-	-			
Standard attachment	Document		Installation Manual, Instruction Book				
	Accessory		Insulation pipe for refrigerant pipe, Washer, Drain hose, Tie band				
Optional parts	Drain pump		PAC-KE05DM-F	PAC-KE05DM-F			
	External heater adapter		PAC-YU25HT	PAC-YU25HT			
	Long life filter		PAC-KE85LAF	PAC-KE85LAF			
	Filter box		PAC-KE250TB-F	PAC-KE250TB-F			
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:25ft.(7.6m), Level difference:0ft.(0m)					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:25ft.(7.6m), Level difference:0ft.(0m)					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.					*Above specification data is subject to rounding variation.	

PEFY-P15, 18, 24, 27, 30, 36, 48, 54NMHU-E2

Unit: mm (in.)



Model	Unit:mm(in.)												
	A	B	C	D	E	F	G	H	J	K	L	① Gas pipe (O.D. ϕ 32(1-1/4))	② Liquid pipe (O.D. ϕ 32(1-1/4))
PEFY-P15-18NMHU-E2	800 (31-1/2)	754 (29-11/16)	680 (26-13/16)	600 (23-5/8)	550 (21-11/16)	50 (2)	11 (7/16)	500 (19-11/16)	10 (3/8)	450 (17-3/4)	50 (2)	ϕ 12.7 (1/2)	ϕ 6.35 (1/4)
PEFY-P24NMHU-E2	1085 (42-3/4)	1039 (40-15/16)	965 (38)	885 (34-7/8)	835 (32-7/8)	42.5 (1-11/16)	17 (11/16)	800 (31-1/2)	15 (5/8)	700 (27-9/16)	67 (2-11/16)	ϕ 15.88 (5/8)	ϕ 9.52 (3/8)
PEFY-P27-30NMHU-E2	1250	1204	1130	1050	1000	25	21	1000	19	900	50		
PEFY-P36-48-54NMHU-E2	1490	1440	1370	1290	1240	30	26	1240	24	1100	60		

[Maintenance access space]

Secure enough access space to allow for the maintenance, inspection, and replacement of the motor, fan, heat exchanger, drain pan, drain pump 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 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 motor, fan, thermistor, LEV, drain pump 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 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 heat exchanger and drain pan is cleaned (exchanged). (Fig. 4)

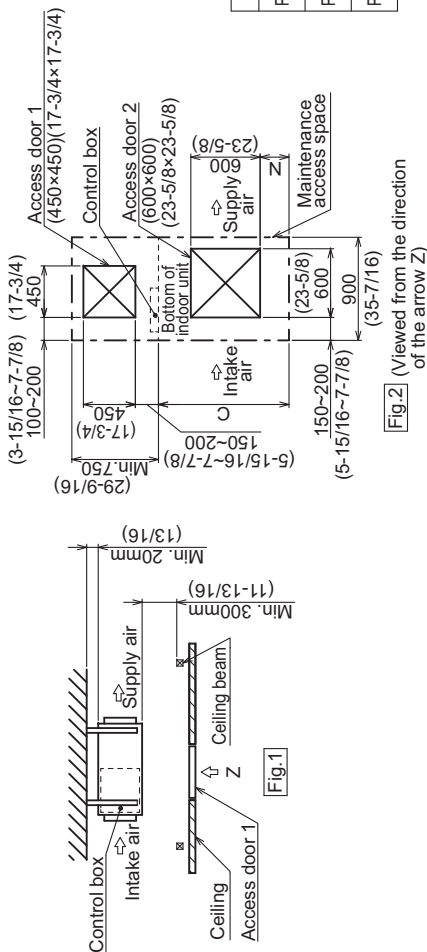


Fig. 2 (Viewed from the direction of the arrow Z)

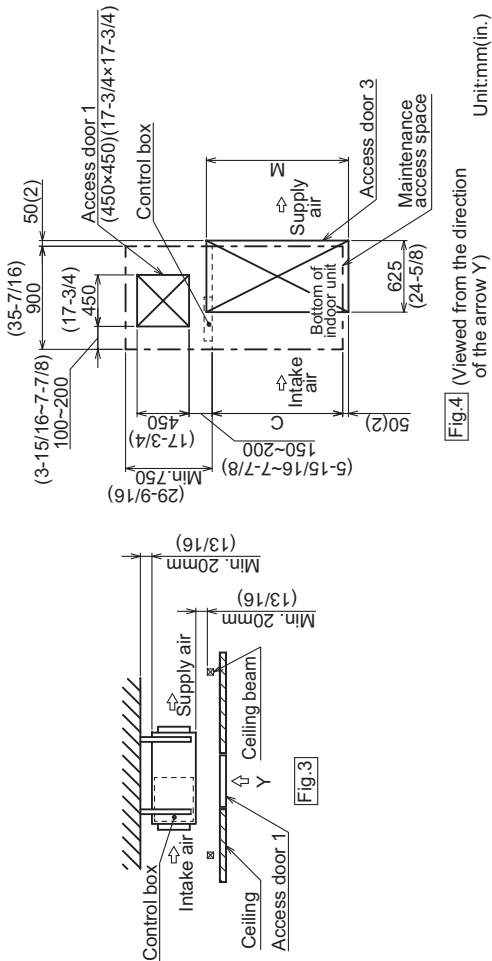


Fig. 4 (Viewed from the direction of the arrow Y)

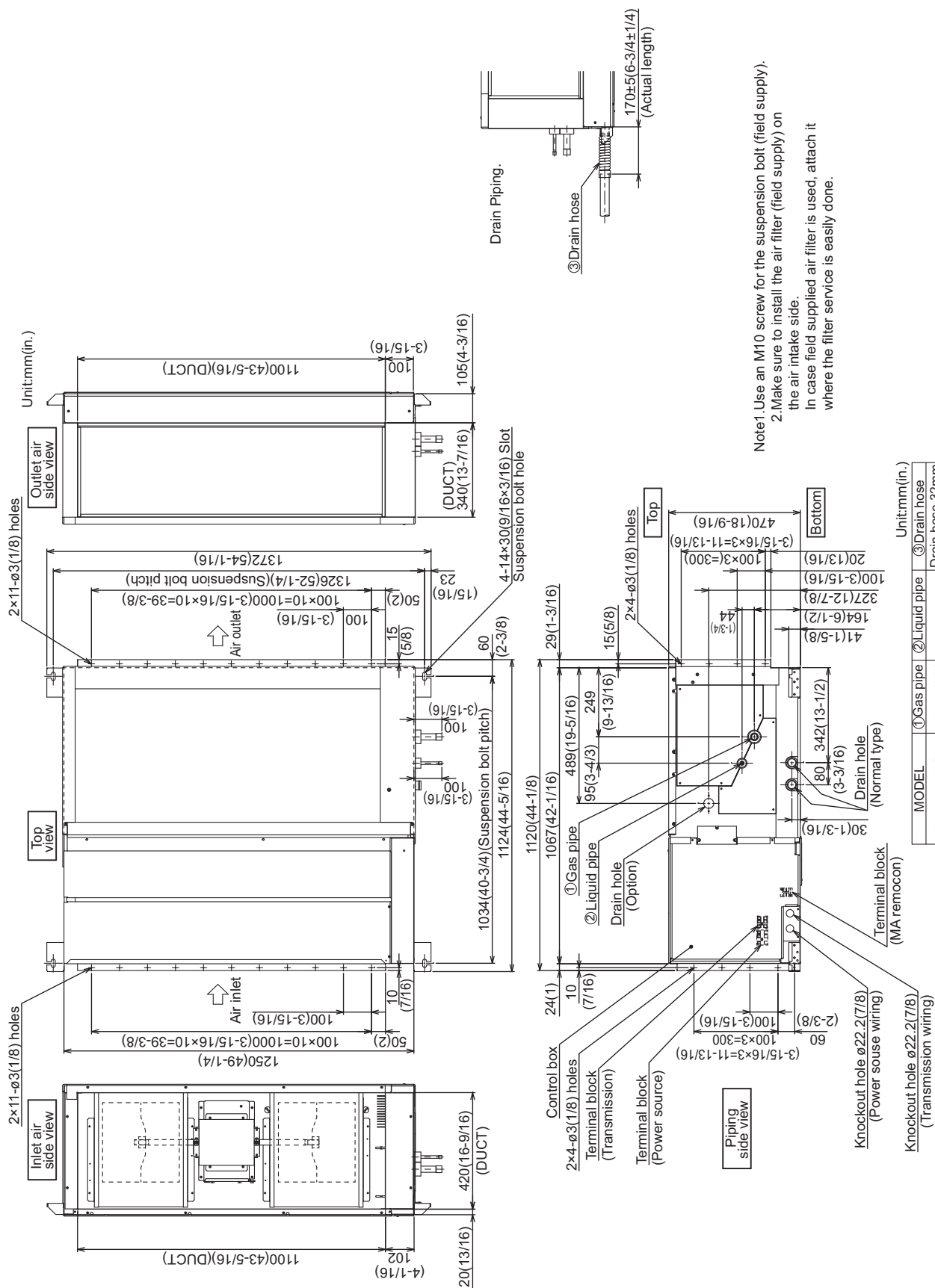
Model	C	M	N
PEFY-P15-18-24NMHU-E2	680 (26-13/16)	780 (30-3/4)	0-50 (0-2)
PEFY-P27-30NMHU-E2	965 (38)	1065 (41-15/16)	100-150 (3-15/16-5-15/16)
PEFY-P36-48-54NMHU-E2	1130 (44-1/2)	1230 (48-7/16)	200-250 (7-7/8-9-7/8)

Unit: mm (in.)

Ceiling concealed (High static pressure type)

PEFY-P-NMHU-E2, NMHSU-E

Unit: mm (in.)



Note 1. Use an M10 screw for the suspension bolt (field supply).
2. Make sure to install the air filter (field supply) on the air intake side.
In case field supplied air filter is used, attach it where the filter service is easily done.

MODEL	① Gas pipe	② Liquid pipe	③ Drain hose	Unit:mm(in.)
PEFY-P72NMHSU-E	ø 19.05(3/4)		Drain hose 32mm (1-1/4inch) <flexible joint> <accessory>	
PEFY-P98NMHSU-E	ø 22.2(7/8)			

PEFY-P72, 96NMHSU-E

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 (450x450mm)(17-3/4x17-3/4inch) 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 (600x600mm)(23-5/8x23-5/8inch) 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)

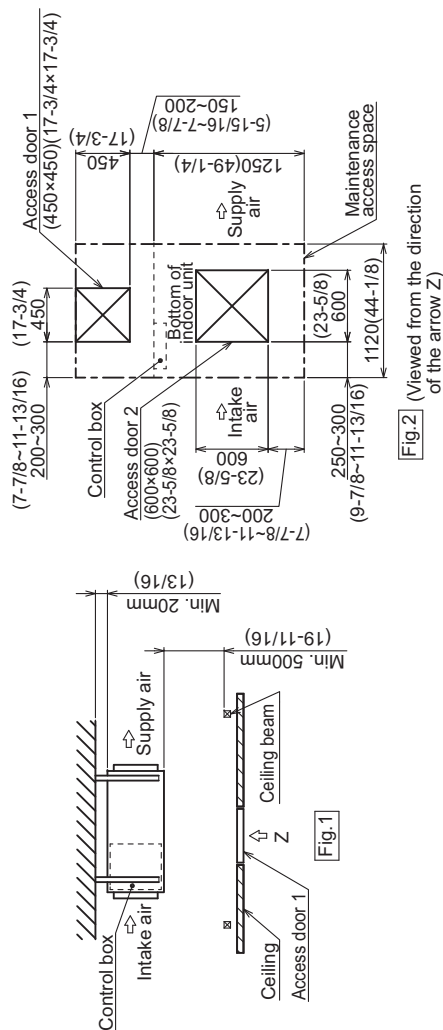


Fig.2 (Viewed from the direction of the arrow Z)

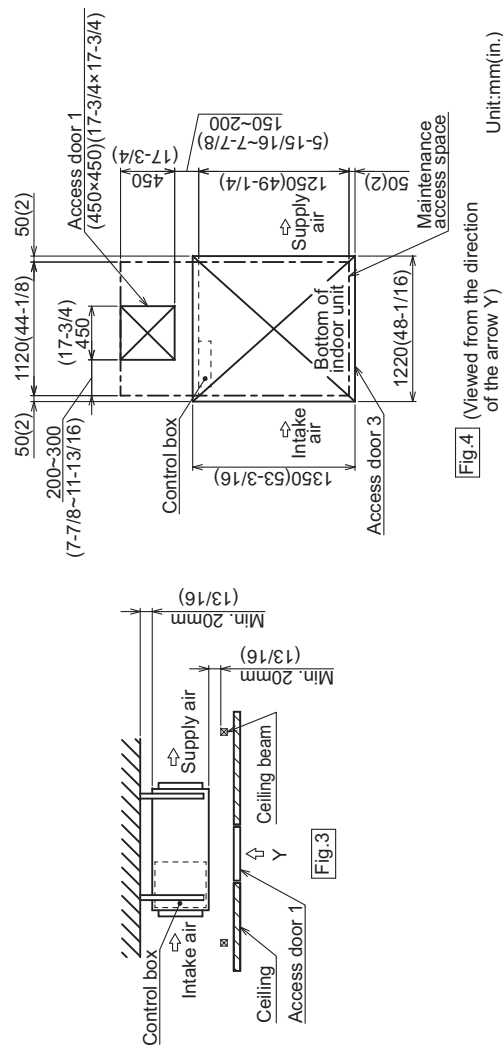
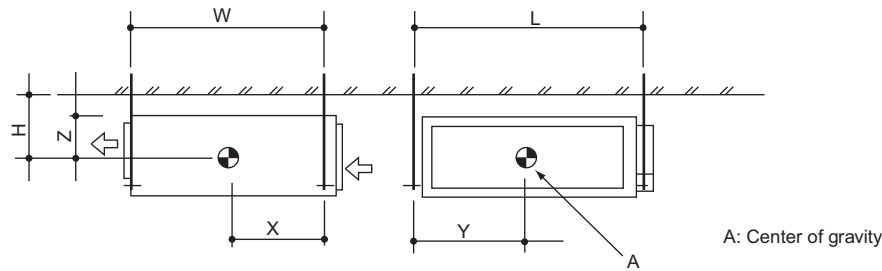


Fig.4 (Viewed from the direction of the arrow Y)

Unit:mm(in.)

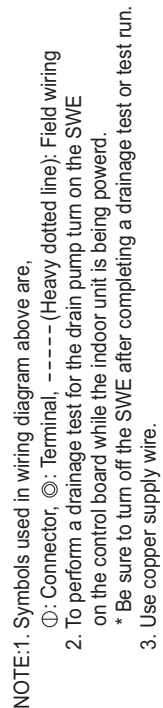
PEFY-P15, 18, 24, 27, 30, 36, 48, 54NMHU-E2
PEFY-P72, 96NMHSU-E



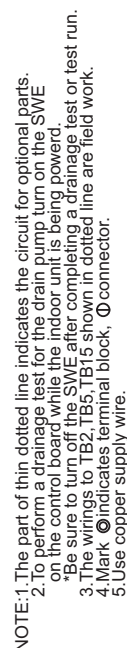
(mm)[in]

Model name	W	L	H	X	Y	Z
PEFY-P15NMHU-E2	814 [32-1/16]	754 [29-11/16]	210 [8-5/16]	374 [14-3/4]	440 [17-3/8]	190 [7-1/2]
PEFY-P18NMHU-E2	814 [32-1/16]	754 [29-11/16]	210 [8-5/16]	374 [14-3/4]	440 [17-3/8]	190 [7-1/2]
PEFY-P24NMHU-E2	814 [32-1/16]	754 [29-11/16]	210 [8-5/16]	374 [14-3/4]	440 [17-3/8]	190 [7-1/2]
PEFY-P27NMHU-E2	814 [32-1/16]	1039 [40-15/16]	210 [8-5/16]	364 [14-3/8]	548 [21-5/8]	190 [7-1/2]
PEFY-P30NMHU-E2	814 [32-1/16]	1039 [40-15/16]	210 [8-5/16]	364 [14-3/8]	548 [21-5/8]	190 [7-1/2]
PEFY-P36NMHU-E2	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-E2	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-P54NMHU-E2	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-P72NMHSU-E	1034 [40-3/4]	1326 [52-1/4]	255 [10-1/16]	462 [18-1/4]	660 [26]	235 [9-5/16]
PEFY-P96NMHSU-E	1034 [40-3/4]	1326 [52-1/4]	255 [10-1/16]	462 [18-1/4]	660 [26]	235 [9-5/16]

PEFY-P-NMHU-E2, NMHSU-E



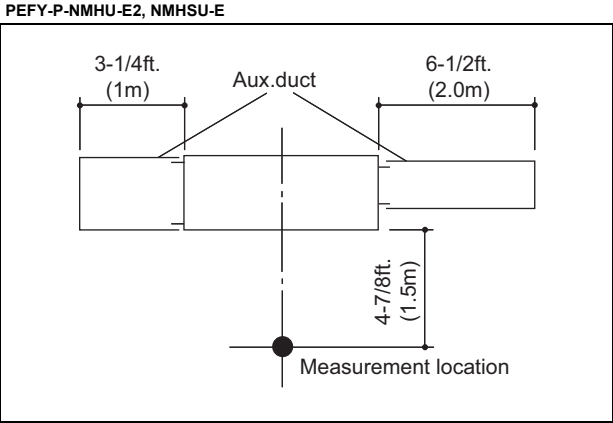
PEFY-P-NMHU-E2, NMHSU-E



CN105 is on products manufactured in April 2012 and later.

PEFY-P-NMHU-E2, NMHSU-E

5-1. Sound levels



* Measured in anechoic room

Operating sound levels

(Low - High)

Unit : dB (A)

Model		Sound pressure level (A weighted)
PEFY-P15,P18NMHU-E2	208V	39 - 45
	230V	39 - 45
PEFY-P24NMHU-E2	208V	40 - 46
	230V	40 - 46
PEFY-P27,P30NMHU-E2	208V	38 - 44
	230V	38 - 44
PEFY-P36,P48NMHU-E2	208V	40 - 46
	230V	40 - 46
PEFY-P54NMHU-E2	208V	41 - 47
	230V	41 - 47

(Low - Middle - High)

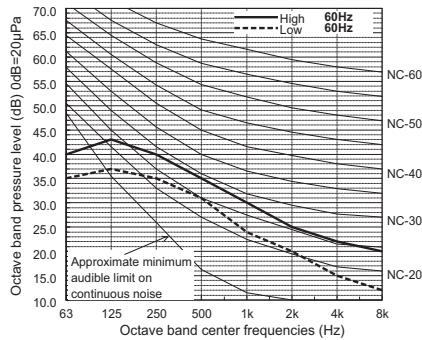
Unit : dB (A)

Model		Sound pressure level (A weighted)
PEFY-P72NMHSU-E	208V	36 - 39 - 43
	230V	36 - 39 - 43
PEFY-P96NMHSU-E	208V	39 - 42 - 46
	230V	39 - 42 - 46

5-2. NC curves

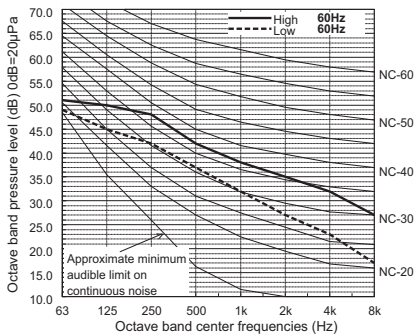
PEFY-P15NMHU-E2

External Static Pressure: 100Pa [0.40 in.WG]
Power Source: 208V/60Hz



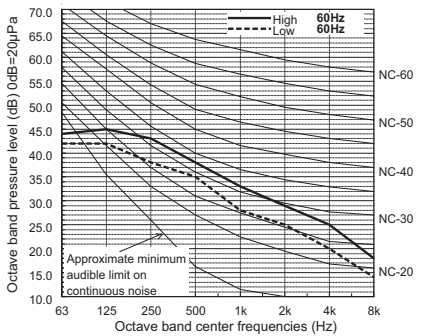
PEFY-P15NMHU-E2

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



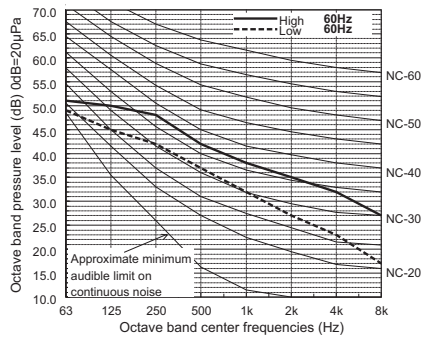
PEFY-P15NMHU-E2

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



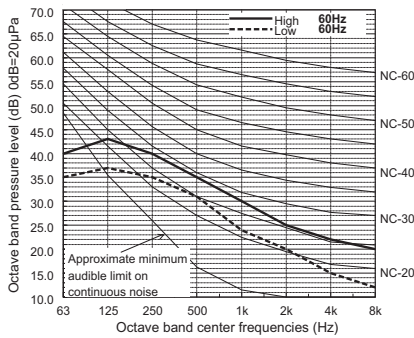
PEFY-P15NMHU-E2

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



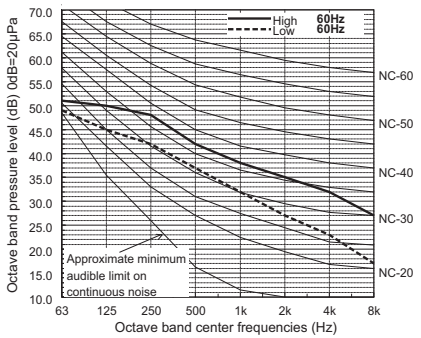
PEFY-P18NMHU-E2

External Static Pressure: 100Pa [0.40 in.WG]
Power Source: 208V/60Hz



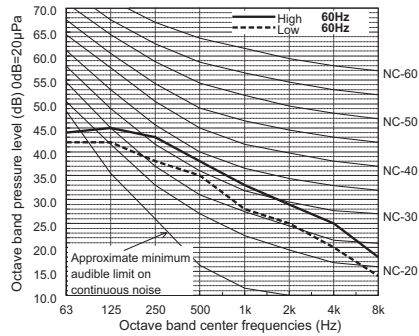
PEFY-P18NMHU-E2

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

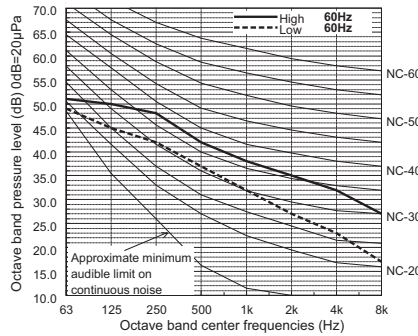


PEFY-P18NMHU-E2

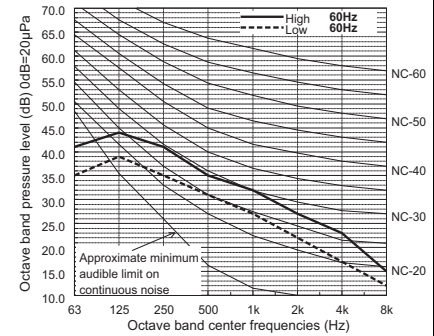
External Static Pressure: 150Pa [0.60 in.WG]
Power Source: 230V/60Hz

**PEFY-P18NMHU-E2**

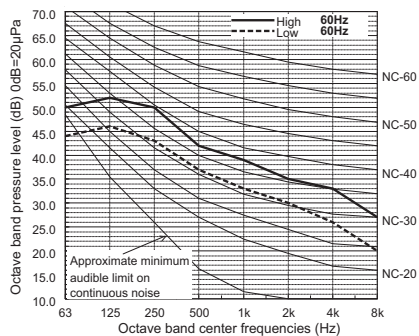
External Static Pressure: 250Pa [1.00 in.WG]
Power Source: 230V/60Hz

**PEFY-P24NMHU-E2**

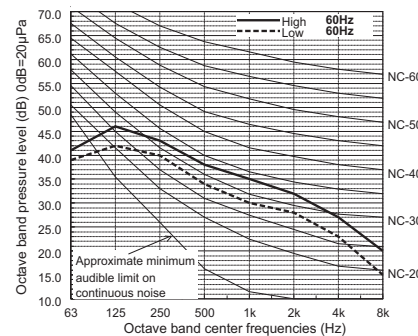
External Static Pressure: 100Pa [0.40 in.WG]
Power Source: 208V/60Hz

**PEFY-P24NMHU-E2**

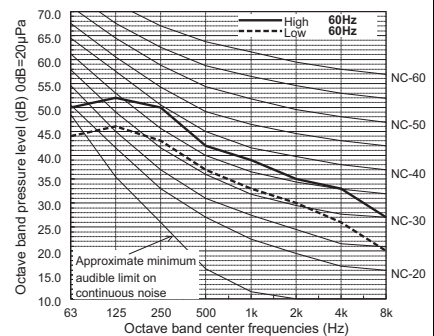
External Static Pressure: 250Pa [1.00 in.WG]
Power Source: 208V/60Hz

**PEFY-P24NMHU-E2**

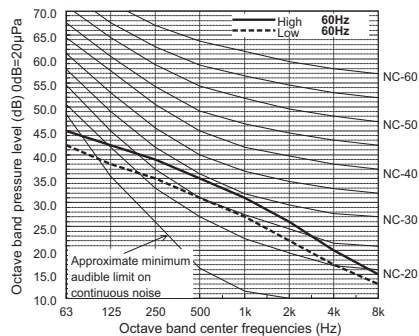
External Static Pressure: 150Pa [0.60 in.WG]
Power Source: 230V/60Hz

**PEFY-P24NMHU-E2**

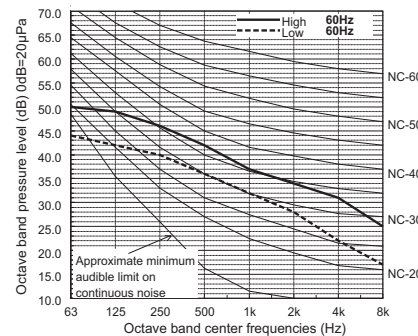
External Static Pressure: 250Pa [1.00 in.WG]
Power Source: 230V/60Hz

**PEFY-P27NMHU-E2**

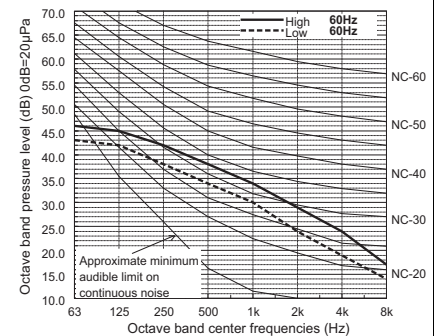
External Static Pressure: 100Pa [0.40 in.WG]
Power Source: 208V/60Hz

**PEFY-P27NMHU-E2**

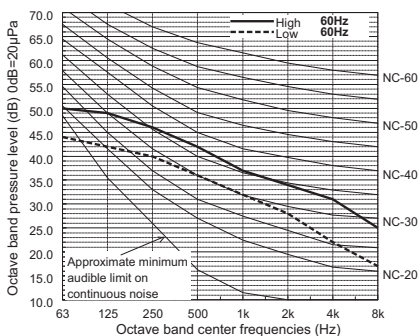
External Static Pressure: 250Pa [1.00 in.WG]
Power Source: 208V/60Hz

**PEFY-P27NMHU-E2**

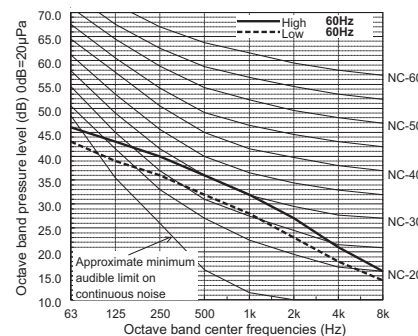
External Static Pressure: 150Pa [0.60 in.WG]
Power Source: 230V/60Hz

**PEFY-P27NMHU-E2**

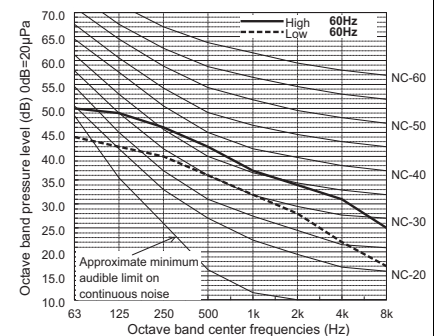
External Static Pressure: 250Pa [1.00 in.WG]
Power Source: 230V/60Hz

**PEFY-P30NMHU-E2**

External Static Pressure: 100Pa [0.40 in.WG]
Power Source: 208V/60Hz

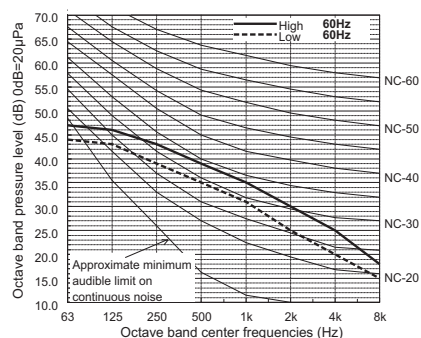
**PEFY-P30NMHU-E2**

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

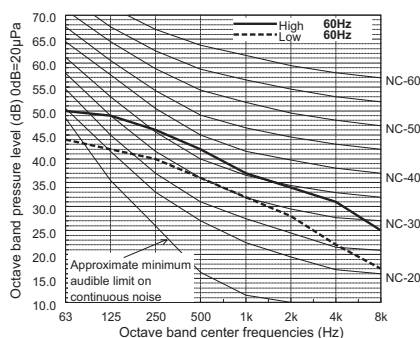


PEFY-P30NMHU-E2

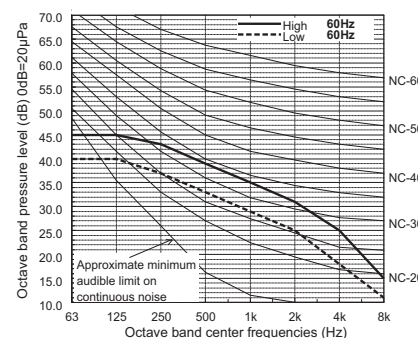
External Static Pressure: 150Pa [0.60 in.WG]
Power Source: 230V/60Hz

**PEFY-P30NMHU-E2**

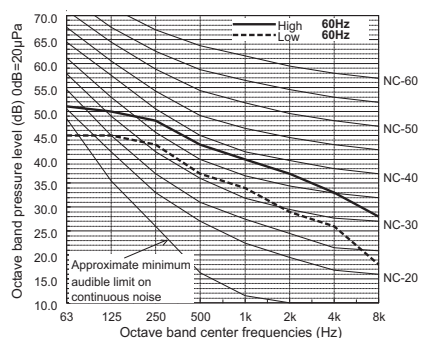
External Static Pressure: 250Pa [1.00 in.WG]
Power Source: 230V/60Hz

**PEFY-P36NMHU-E2**

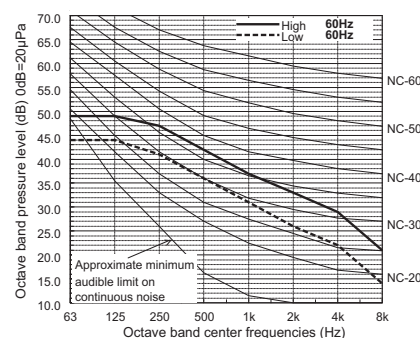
External Static Pressure: 100Pa [0.40 in.WG]
Power Source: 208V/60Hz

**PEFY-P36NMHU-E2**

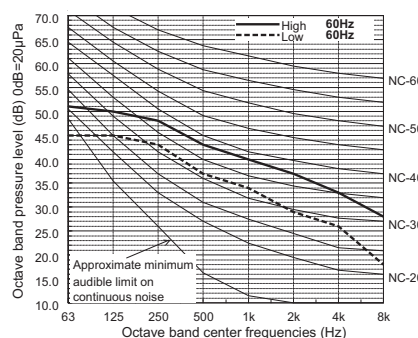
External Static Pressure: 250Pa [1.00 in.WG]
Power Source: 208V/60Hz

**PEFY-P36NMHU-E2**

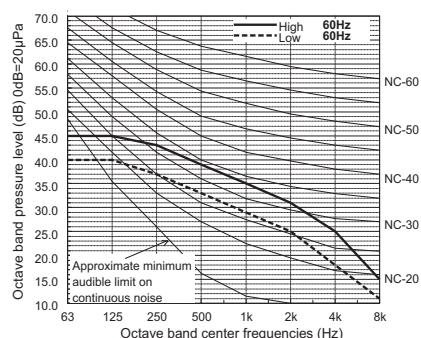
External Static Pressure: 150Pa [0.60 in.WG]
Power Source: 230V/60Hz

**PEFY-P36NMHU-E2**

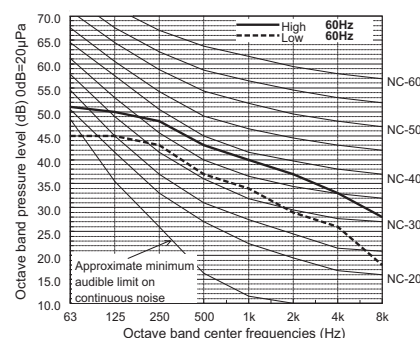
External Static Pressure: 250Pa [1.00 in.WG]
Power Source: 230V/60Hz

**PEFY-P48NMHU-E2**

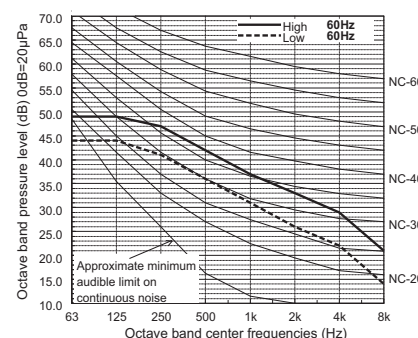
External Static Pressure: 100Pa [0.40 in.WG]
Power Source: 208V/60Hz

**PEFY-P48NMHU-E2**

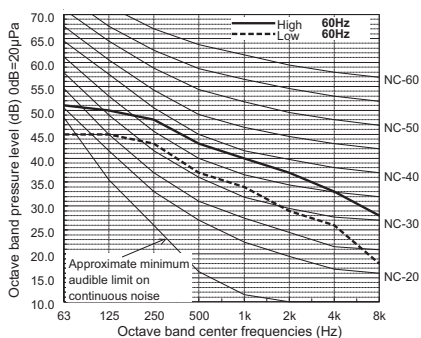
External Static Pressure: 250Pa [1.00 in.WG]
Power Source: 208V/60Hz

**PEFY-P48NMHU-E2**

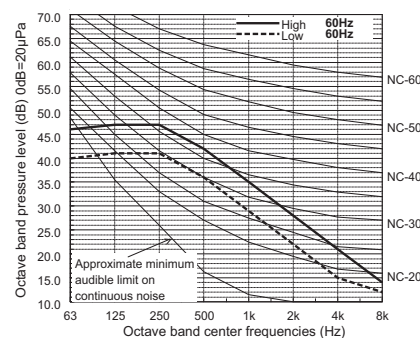
External Static Pressure: 150Pa [0.60 in.WG]
Power Source: 230V/60Hz

**PEFY-P48NMHU-E2**

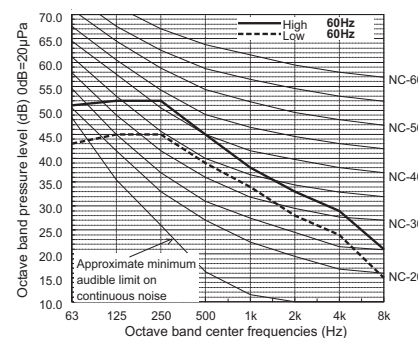
External Static Pressure: 250Pa [1.00 in.WG]
Power Source: 230V/60Hz

**PEFY-P54NMHU-E2**

External Static Pressure: 100Pa [0.40 in.WG]
Power Source: 208V/60Hz

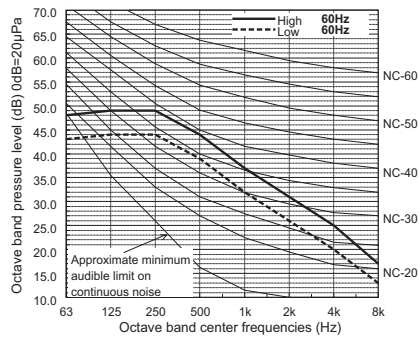
**PEFY-P54NMHU-E2**

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

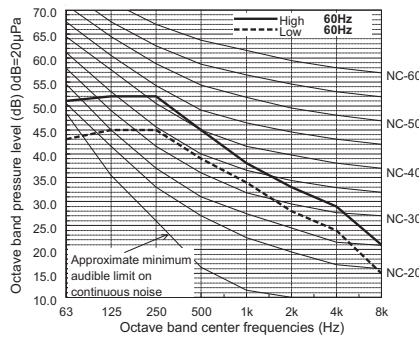


PEFY-P54NMHU-E2

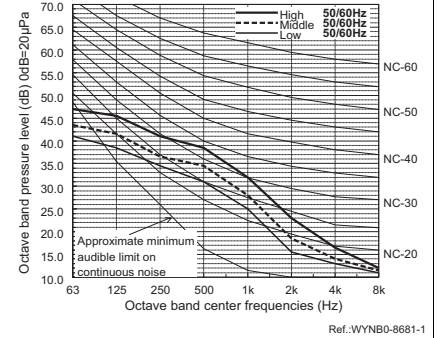
External Static Pressure: 150Pa [0.60 in.WG]
Power Source: 230V/60Hz

**PEFY-P54NMHU-E2**

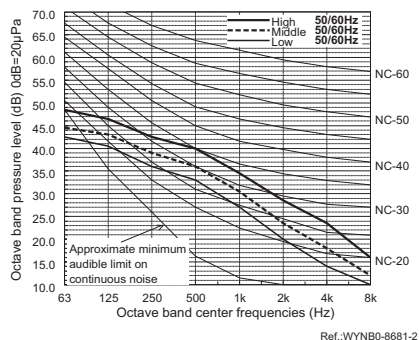
External Static Pressure: 250Pa [1.00 in.WG]
Power Source: 230V/60Hz

**PEFY-P72NMHSU-E**

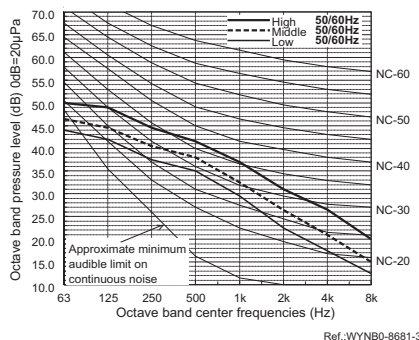
External Static Pressure: 50Pa [0.20 in.WG]
Power Source: 208,230V(50/60Hz)

**PEFY-P72NMHSU-E**

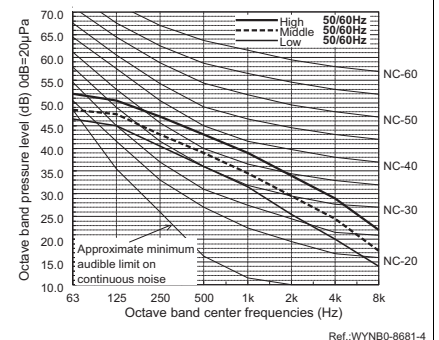
External Static Pressure: 100Pa [0.40 in.WG]
Power Source: 208,230V(50/60Hz)

**PEFY-P72NMHSU-E**

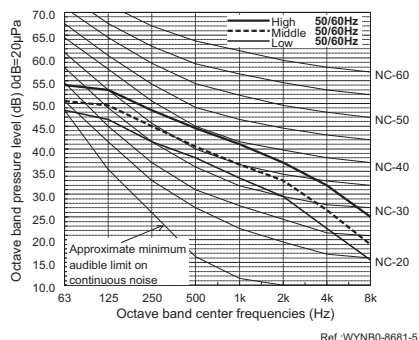
External Static Pressure: 150Pa [0.60 in.WG]
Power Source: 208,230V(50/60Hz)

**PEFY-P72NMHSU-E**

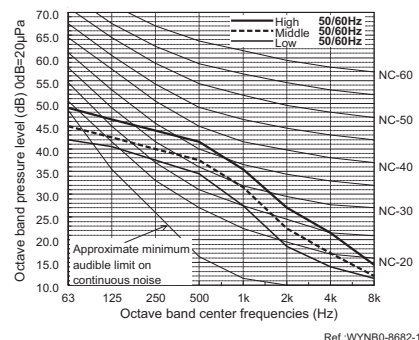
External Static Pressure: 200Pa [0.80 in.WG]
Power Source: 208,230V(50/60Hz)

**PEFY-P72NMHSU-E**

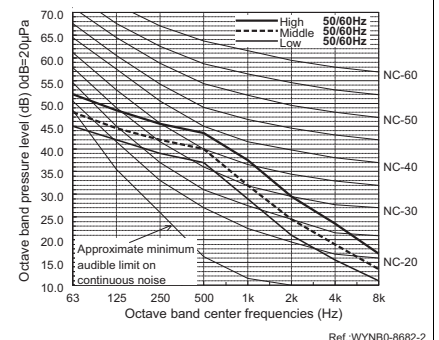
External Static Pressure: 250Pa [1.00 in.WG]
Power Source: 208,230V(50/60Hz)

**PEFY-P96NMHSU-E**

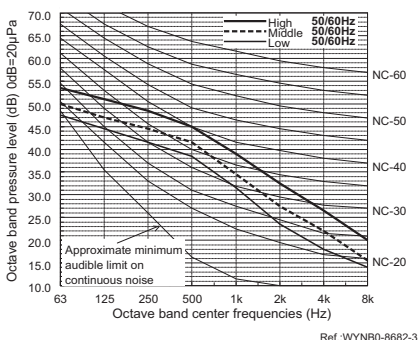
External Static Pressure: 50Pa [0.20 in.WG]
Power Source: 208,230V(50/60Hz)

**PEFY-P96NMHSU-E**

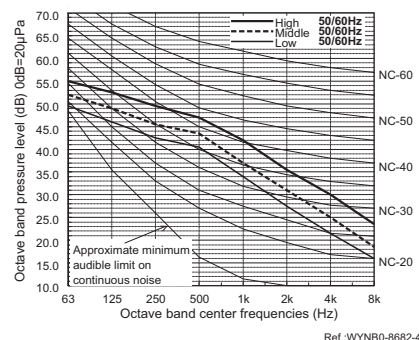
External Static Pressure: 100Pa [0.40 in.WG]
Power Source: 208,230V(50/60Hz)

**PEFY-P96NMHSU-E**

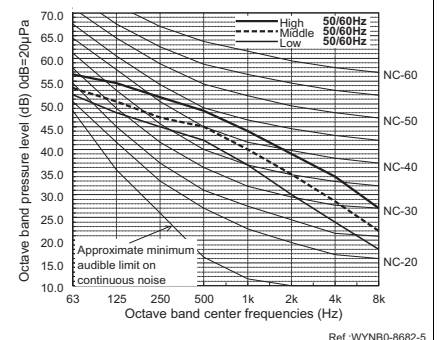
External Static Pressure: 150Pa [0.60 in.WG]
Power Source: 208,230V(50/60Hz)

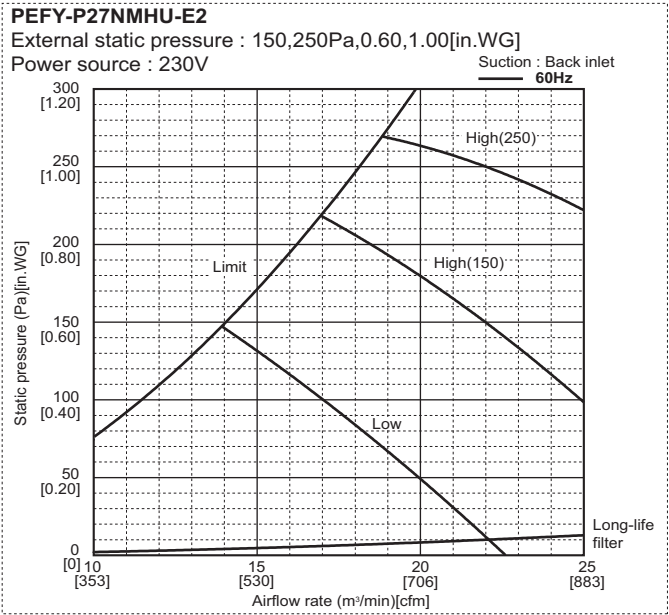
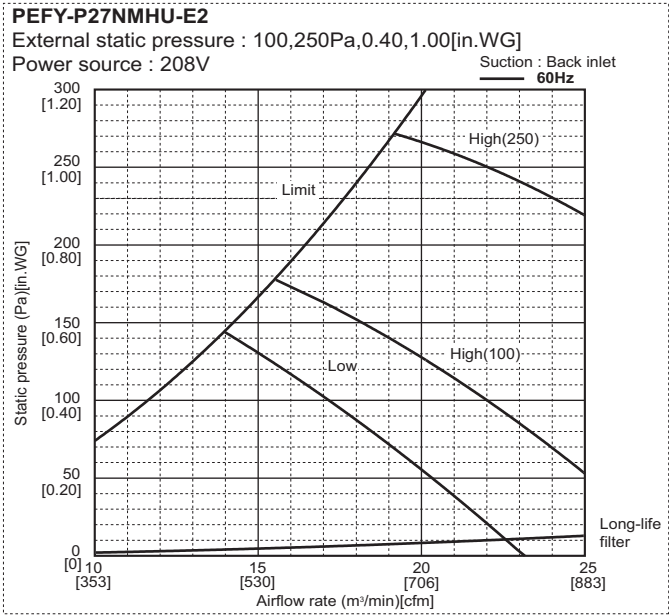
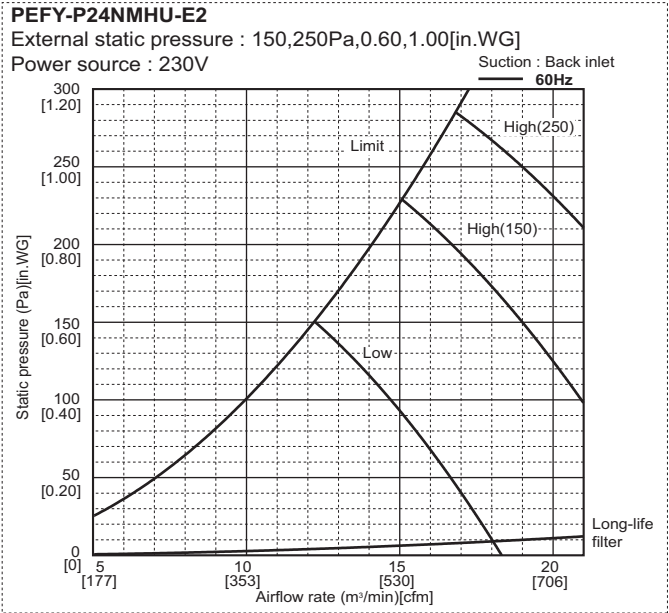
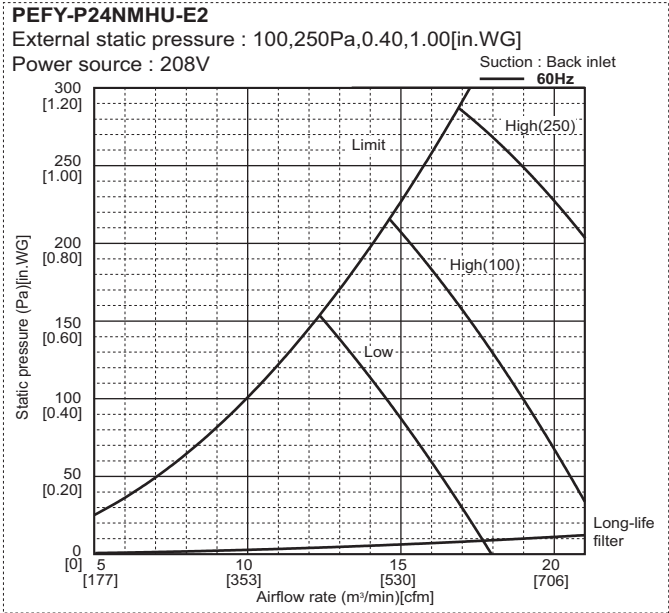
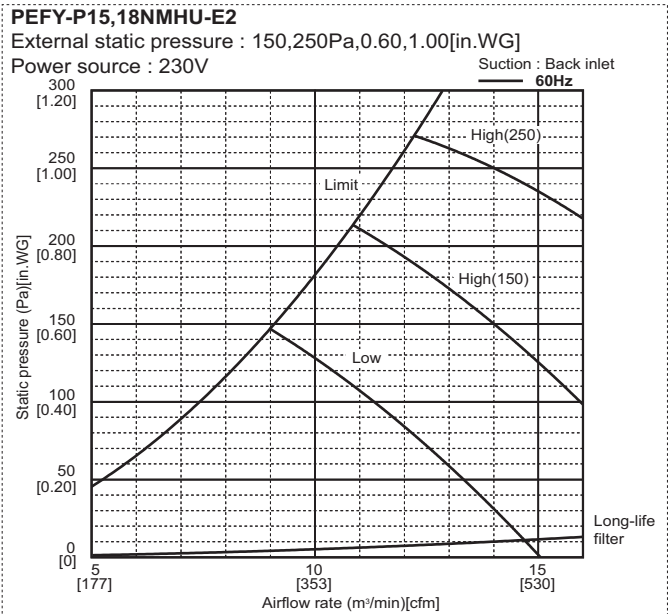
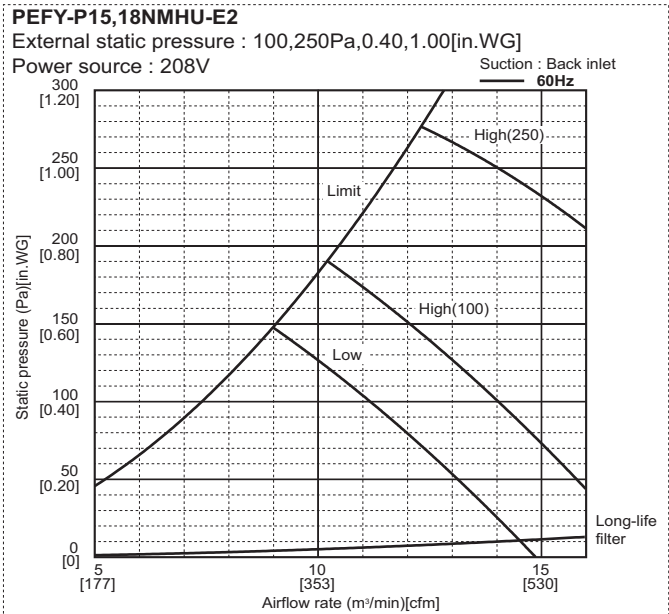
**PEFY-P96NMHSU-E**

External Static Pressure: 200Pa [0.80 in.WG]
Power Source: 208,230V(50/60Hz)

**PEFY-P96NMHSU-E**

External Static Pressure: 250Pa [1.00 in.WG]
Power Source: 208,230V(50/60Hz)

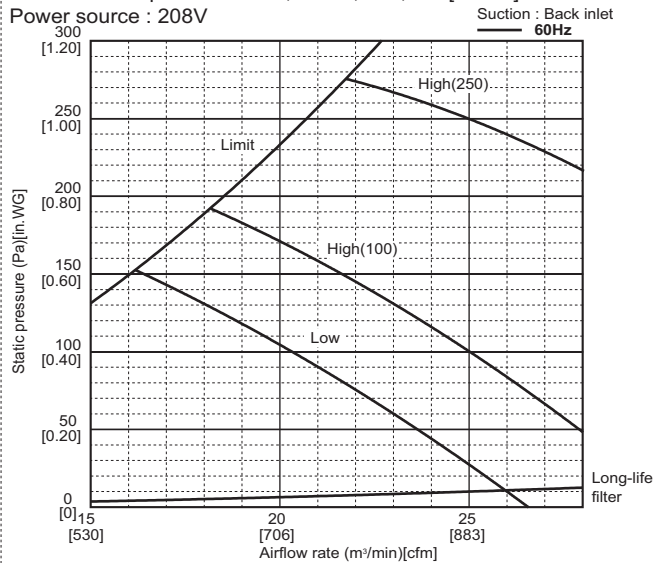




PEFY-P30NMHU-E2

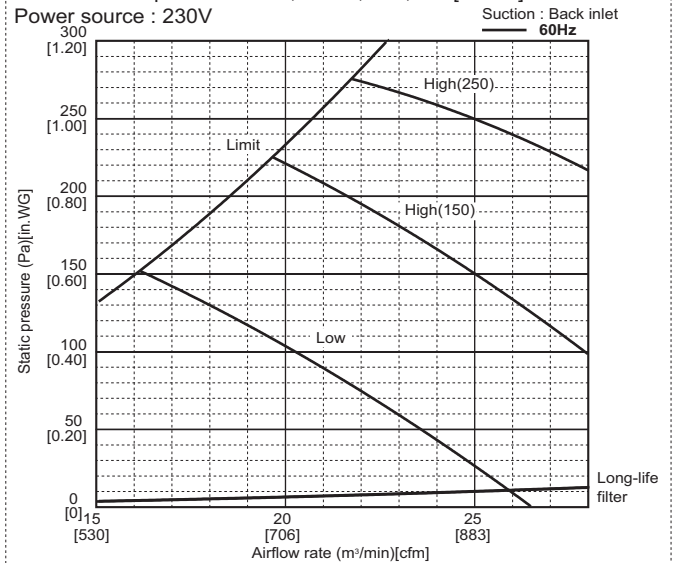
External static pressure : 100,250Pa,0.40,1.00[in.WG]

Power source : 208V

**PEFY-P30NMHU-E2**

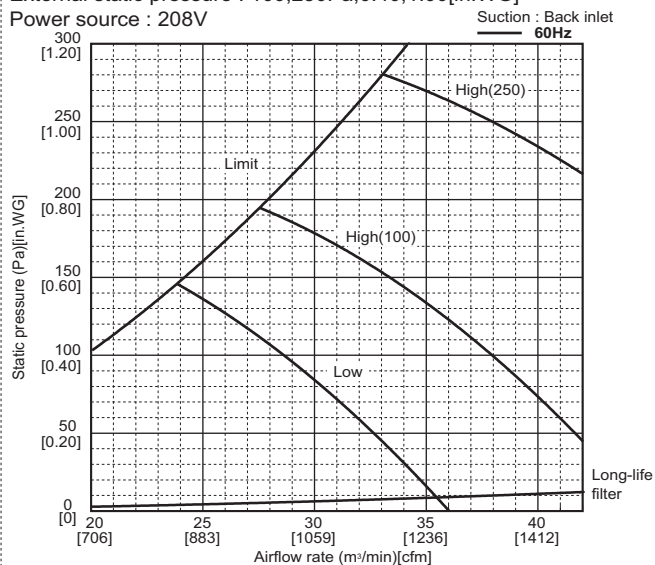
External static pressure : 150,250Pa,0.60,1.00[in.WG]

Power source : 230V

**PEFY-P36,48NMHU-E2**

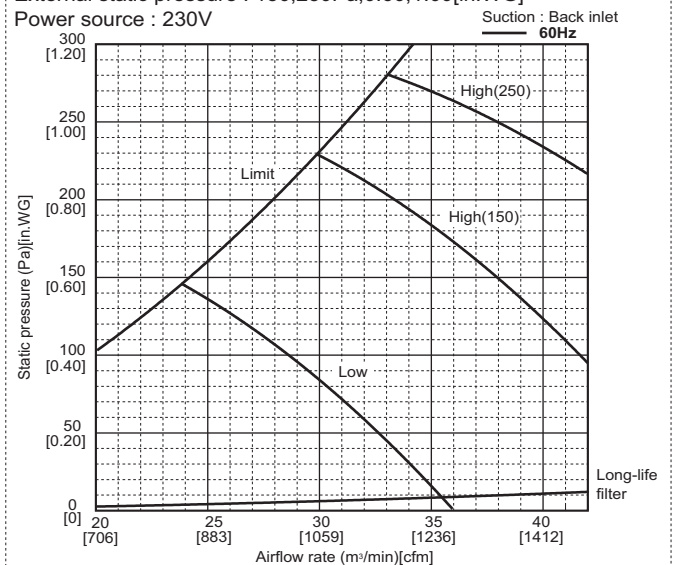
External static pressure : 100,250Pa,0.40,1.00[in.WG]

Power source : 208V

**PEFY-P36,48NMHU-E2**

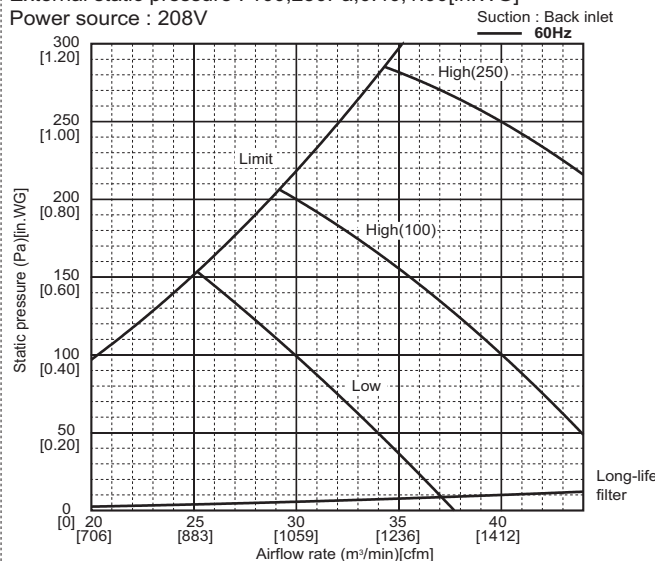
External static pressure : 150,250Pa,0.60,1.00[in.WG]

Power source : 230V

**PEFY-P54NMHU-E2**

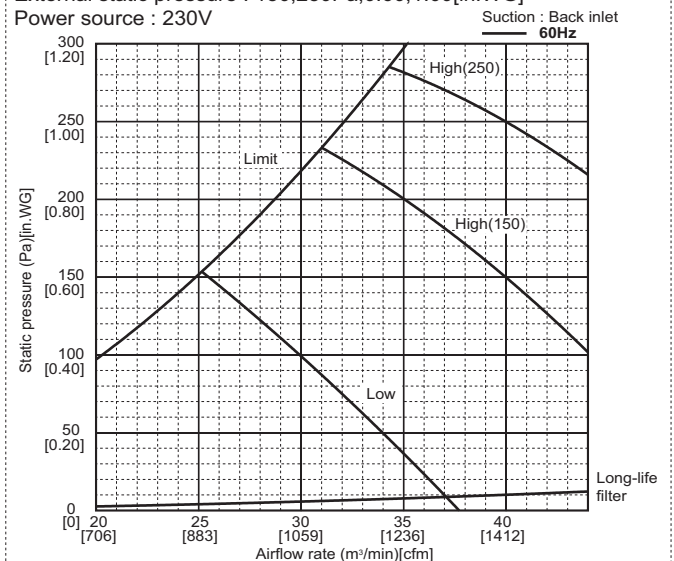
External static pressure : 100,250Pa,0.40,1.00[in.WG]

Power source : 208V

**PEFY-P54NMHU-E2**

External static pressure : 150,250Pa,0.60,1.00[in.WG]

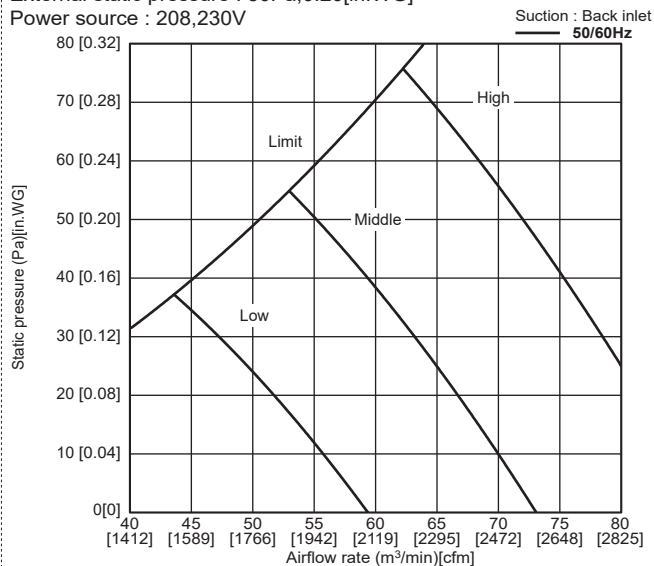
Power source : 230V



PEFY-P72NMHSU-E

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

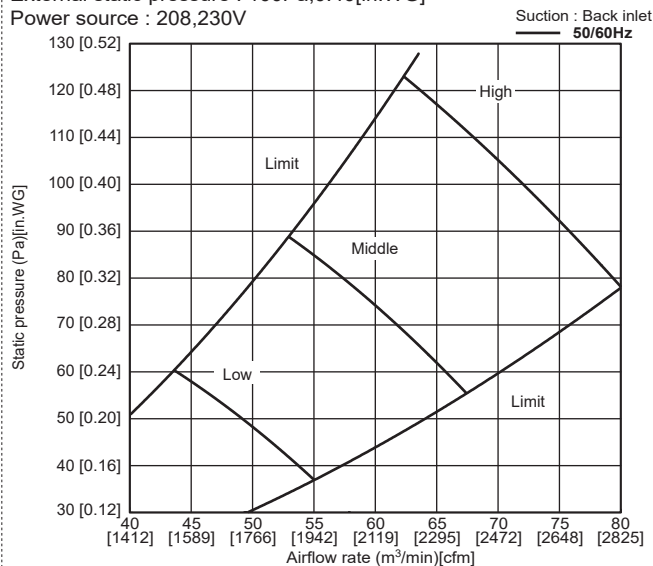
Power source : 208,230V



PEFY-P72NMHSU-E

External static pressure : 100Pa,0.40[in.WG]

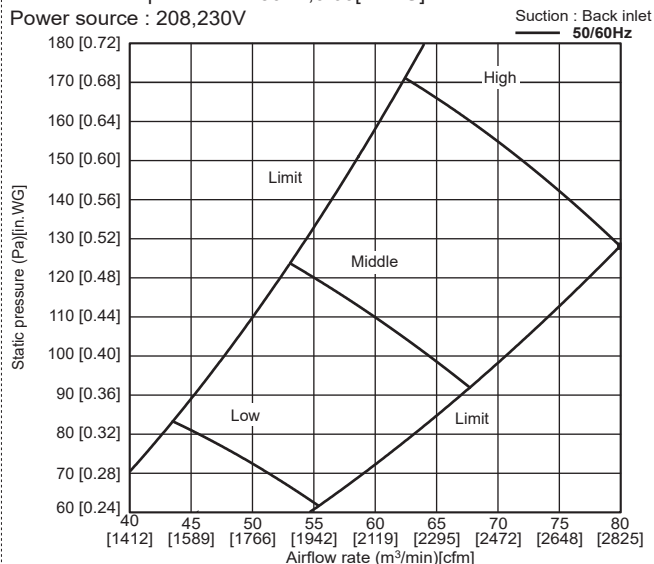
Power source : 208,230V



PEFY-P72NMHSU-E

External static pressure : 150Pa,0.60[in.WG]

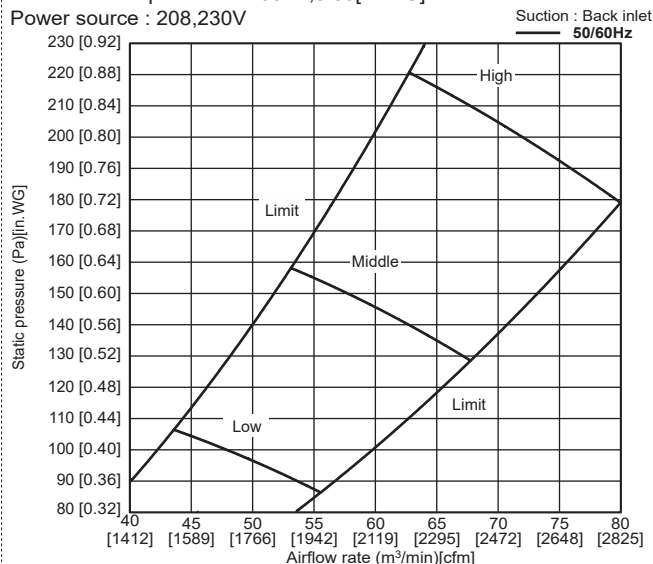
Power source : 208,230V



PEFY-P72NMHSU-E

External static pressure : 200Pa,0.80[in.WG]

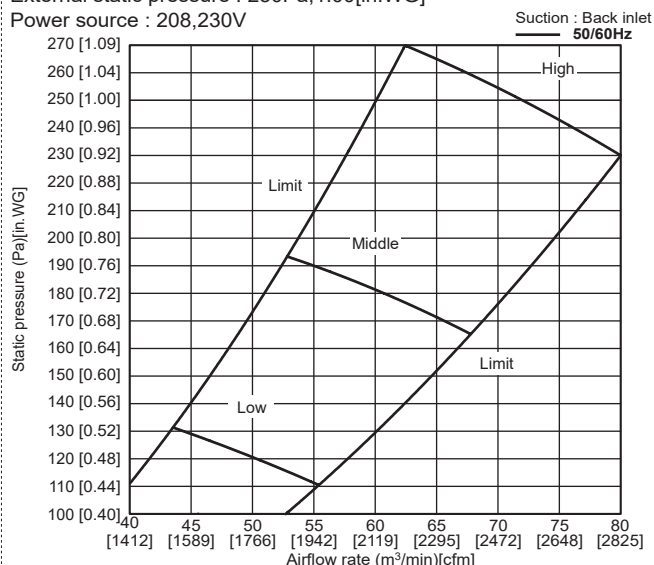
Power source : 208,230V



PEFY-P72NMHSU-E

External static pressure : 250Pa,1.00[in.WG]

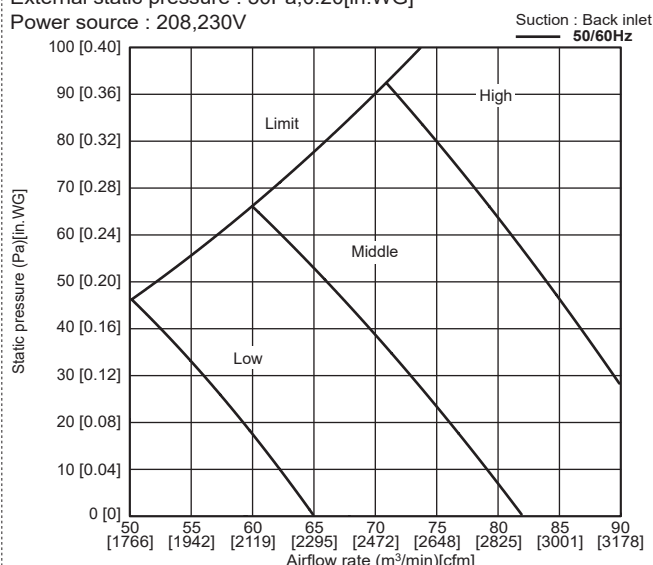
Power source : 208,230V



PEFY-P96NMHSU-E

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

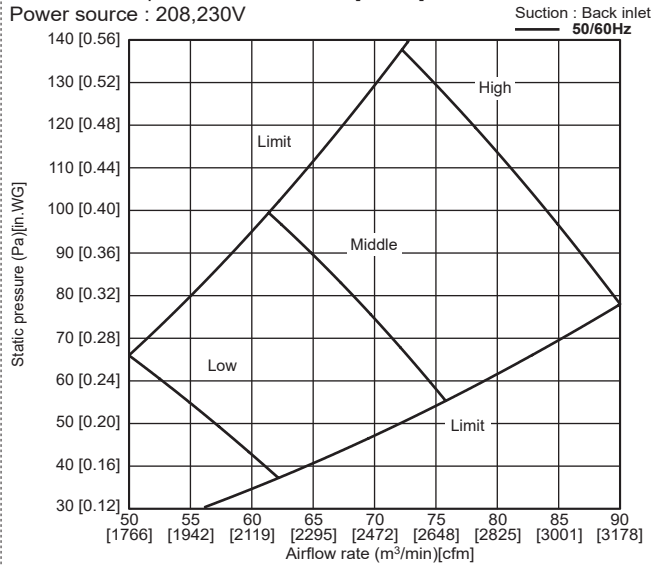
Power source : 208,230V



PEFY-P96NMHSU-E

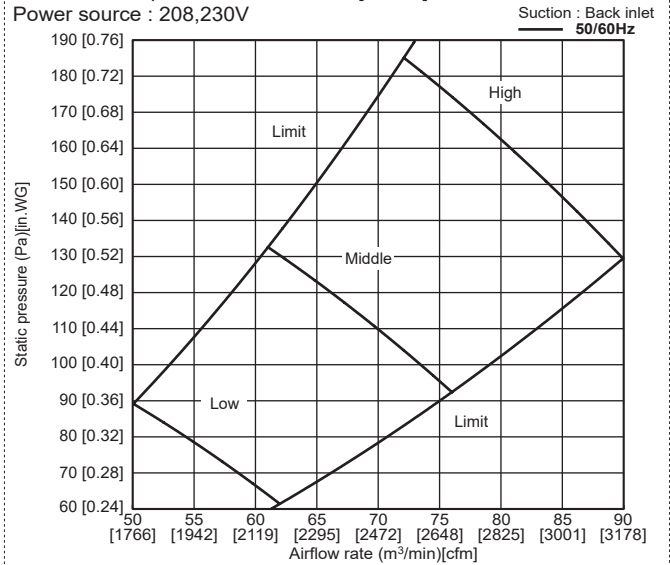
External static pressure : 100Pa,0.40[in.WG]

Power source : 208,230V

**PEFY-P96NMHSU-E**

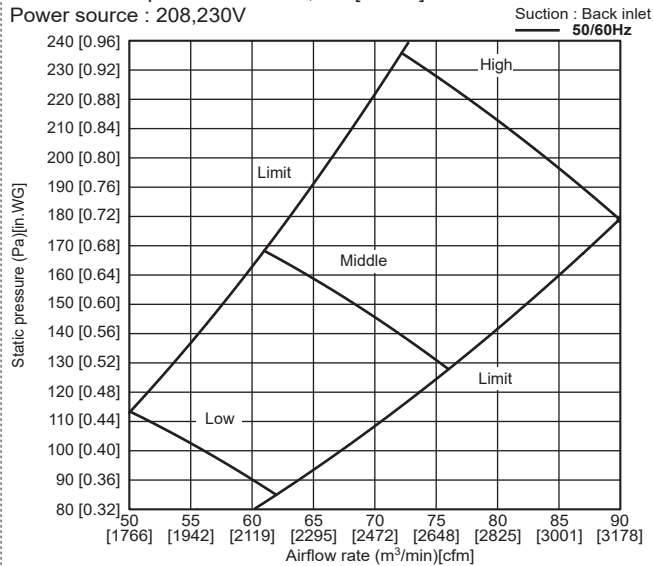
External static pressure : 150Pa,0.60[in.WG]

Power source : 208,230V

**PEFY-P96NMHSU-E**

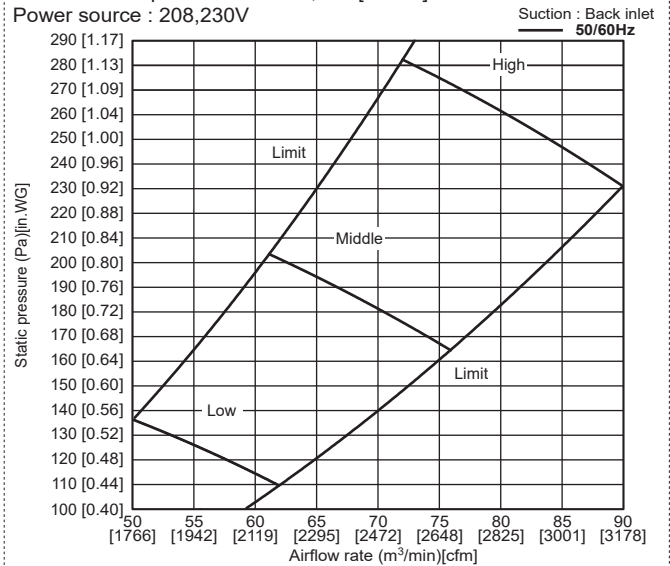
External static pressure : 200Pa,0.80[in.WG]

Power source : 208,230V

**PEFY-P96NMHSU-E**

External static pressure : 250Pa,1.00[in.WG]

Power source : 208,230V



PEFY-P-NMHU-E2, NMHSU-E

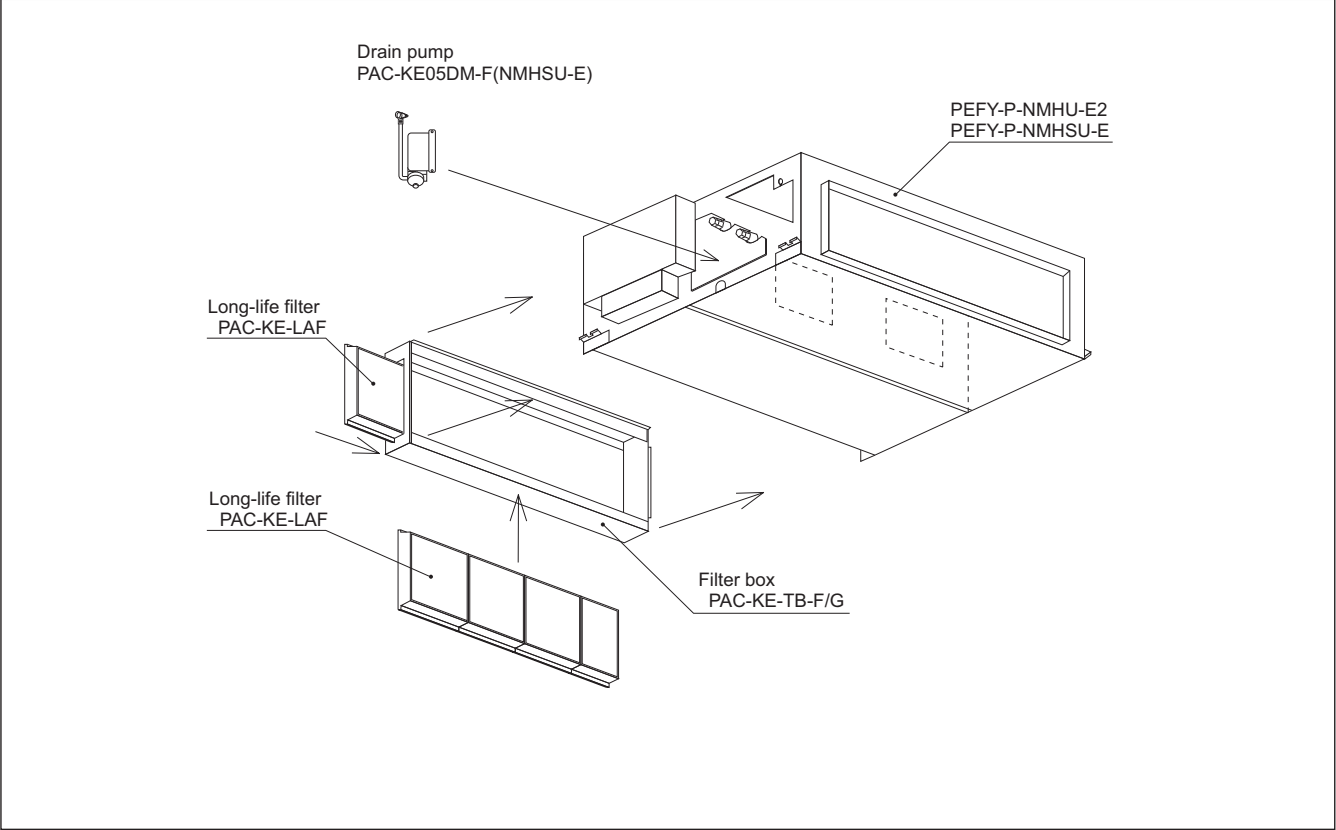
Symbols: MCA: Minimum Circuit Ampacity (= 1.25 x FLA) FLA: Full Load Amps
IFM: Indoor Fan Motor Output: Fan motor rated output

Model	Indoor Unit				IFM	
	Hz	Volts	Voltage range	MCA (A)	Output (kW)	FLA (A)
PEFY-P15NMHU-E2	60 Hz	208/230 V	188 to 253 V	1.63/1.50	0.17	1.30/1.20
PEFY-P18NMHU-E2				1.63/1.50	0.17	1.30/1.20
PEFY-P24NMHU-E2				2.11/1.83	0.25	1.69/1.46
PEFY-P27NMHU-E2				2.35/2.13	0.26	1.88/1.70
PEFY-P30NMHU-E2				2.70/2.45	0.31	2.16/1.96
PEFY-P36NMHU-E2				4.16/3.67	0.49	3.32/2.94
PEFY-P48NMHU-E2				4.16/3.67	0.49	3.32/2.94
PEFY-P54NMHU-E2				4.18/3.69	0.55	3.34/2.95
PEFY-P72NMHSU-E			187 to 253 V	9.7/8.3	0.87	7.7/6.6
PEFY-P96NMHSU-E				10.3/8.8	0.87	8.2/7.0

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

	Long-life filter	Filter box	Drain pump	External heater adapter
PEFY-P15,18,24NMHU-E2	PAC-KE86LAF	PAC-KE63TB-F	-	PAC-YU25HT
PEFY-P27,30NMHU-E2	PAC-KE88LAF	PAC-KE80TB-G	-	PAC-YU25HT
PEFY-P36,48,54NMHU-E2	PAC-KE89LAF	PAC-KE140TB-F	-	PAC-YU25HT
PEFY-P72,96NMHSU-E	PAC-KE85LAF	PAC-KE250TB-F	PAC-KE05DM-F	PAC-YU25HT

PEFY-P-NMHU-E2, NMHSU-E



8-2. Long-life filter

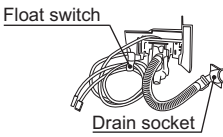
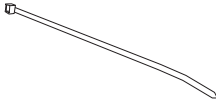
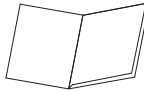
Life span: 2,500 hr *. The actual dust situation affects the filter life span, which should be considered at the applying site. Material: Synthetic fiber unweaved cloth filter Static pressure loss is referred to "Fan characteristics curves". Long-life filter should be used together with filter box PAC-KE-TB-F.				
PAC-KE-LAF				
Item	PAC-KE86LAF	PAC-KE88LAF	PAC-KE89LAF	PAC-KE85LAF
Quantity	2	3	3	2
Shape	(298X300) 	(298X300) 	(298X300) 	(411X600)
Detailed installation information should be referred to its Installation Manual.				
PAC-KE-TB-F/-G				
Item	① Screw	② Filter box	③ Installation manual	
Quantity	10/12*	1	1	
Shape				*PAC-KE250TB has 12 pieces of screw.

Detailed installation information should be referred to its Installation Manual.

8-3. Drain pump

If drain water can not flow out the Indoor unit by gravity and gradient, a Drain-pump for draining is needed.
Drain pump PAC-KE05DM-F can pump water up to 700mm [27-9/16 in.] high from the drain pan.

PAC-KE05DM-F

Item	① Drain pump ass'y	② Rubber plug	③ Rubber bushing	④ Band	⑤ PTT screw 4X10
Quantity	1	2	1	2	6+1 (spare)
Shape					
Item	⑥ Installation manual				
Quantity	1				
Shape					

Detailed installation information should be referred to its Installation Manual.

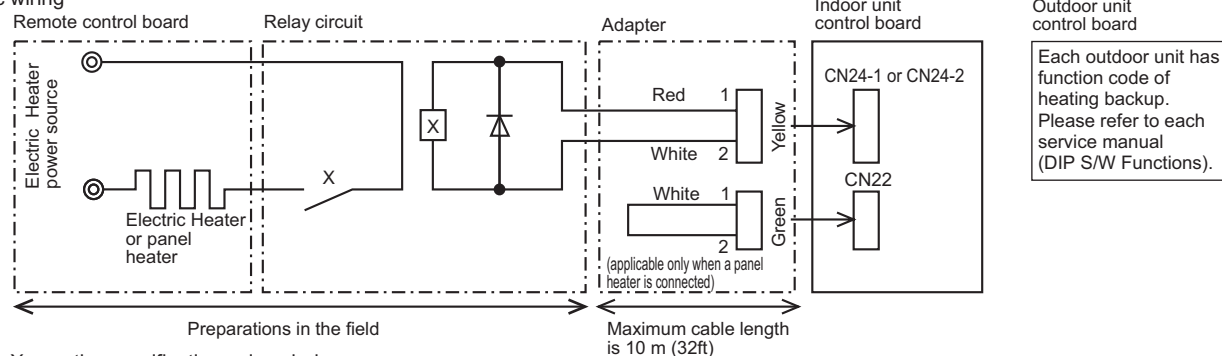
8-4. External heater adapter

External heater adapter PAC-YU25HT is a set of special wiring parts for controlling the electric heater* with the air conditioner system.

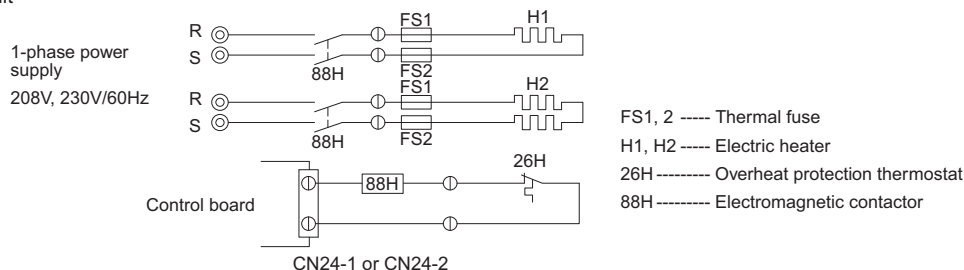
*The electric heater should be designed and prepared at the site.

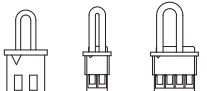
A basic connection method is shown as follows: (For details, refer to its Installation Manual.)

(1) Basic wiring



(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.

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