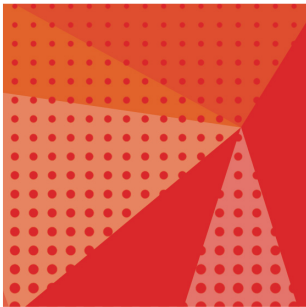


AIR CONDITIONING SYSTEMS

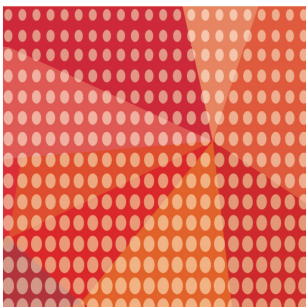
CITY MULTI



DATA BOOK

MODEL

PEFY-M-NMSU-A



PEFY-M-NMSU-A

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1. SPECIFICATIONS

Ceiling concealed (Low static pressure type)

PEFY-M-NMSU-A

SPECIFICATIONS OF Air Conditioner (Ceiling-concealed TYPE)			
MODEL		PEFY-M06NMSU-A	
Power source		1-phase 208/230 V 60 Hz	
Cooling capacity	*1	BTU/h	6,000
	*1	kW	1.8
	*2	Power input	0.032
	*2	Current input	0.37/0.36
Heating capacity	*3	BTU/h	6,700
	*3	kW	2.0
	*2	Power input	0.030
	*2	Current input	0.32/0.31
External finish		Galvanized steel plate	
External dimension HxWxD	inch	7-7/8 x 31-1/8 x 27-9/16	
	mm	200 x 790 x 700	
Net weight	lbs (kg)	42 (19)	
Heat exchanger		Cross fin (Aluminum fin and copper tube)	
FAN	Type x Quantity		Sirocco fan x 2
	*4	External static press.	<0.02> - 0.06 - <0.14> - <0.20>
		Pa	<5> - 15 - <35> - <50>
	Motor Type		DC motor
	Motor output		0.096
	Driving mechanism		Direct-driven by motor
	Air flow rate		(Low-Mid-High)
		cfm	176 - 212 - 247
		m3/min	5.0 - 6.0 - 7.0
		L/s	83 - 100 - 117
Sound pressure level (measured in anechoic room) *2		dB (A)	(Low-Mid-High) 22-24-28
Insulation material		Polystyrene foam, Polyethylene foam, Urethane foam	
Air filter		PP honeycomb fabric.	
Protection device		Fuse	
Refrigerant control device		LEV	
Connectable outdoor unit		R32/R454B CITY MULTI	
Diameter of refrigerant pipe	Liquid	inch (mm)	1/4 (6.35)Brazed
	Gas	inch (mm)	1/2 (12.7)Brazed
Field drain pipe size		inch (mm)	O.D.1-1/4 (32)
Drawing	External		VG01T396
	Wiring		VG01T397
	Refrigerant cycle		-
Standard attachment	Document		Installation Manual, Instruction Book
	Accessory		Washer, Drain socket, Tie band
Optional parts	External heater adapter		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			BTU/h =kW x 3,412
Indoor: 80 ° FD.B./67 ° FW.B. (26.7 ° CD.B./19.4 ° CW.B.), Outdoor: 95 ° FD.B. (35 ° CD.B.)			cfm =m3/min x 35.31
Pipe length: 25 ft. (7.6 m), Level difference: 0 ft. (0 m)			lbs =kg/0.4536
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.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)

PEFY-M-NMSU-A

SPECIFICATIONS OF Air Conditioner				(Ceiling-concealed TYPE)	
MODEL			PEFY-M08NMSU-A		
Power source			1-phase 208/230 V 60 Hz		
Cooling capacity	*1	BTU/h	8,000		
	*1	kW	2.3		
	*2	Power input	kW	0.044	
	*2	Current input	A	0.49/0.44	
Heating capacity	*3	BTU/h	9,000		
	*3	kW	2.6		
	*2	Power input	kW	0.042	
	*2	Current input	A	0.44/0.39	
External finish			Galvanized steel plate		
External dimension HxWxD		inch	7-7/8 x 31-1/8 x 27-9/16		
		mm	200 x 790 x 700		
Net weight		lbs (kg)	43 (19.5)		
Heat exchanger			Cross fin (Aluminum fin and copper tube)		
FAN	Type x Quantity		Sirocco fan x 2		
	*4	External static press.	in.WG	<0.02> - 0.06 - <0.14> - <0.20>	
			Pa	<5> - 15 - <35> - <50>	
	Motor Type		DC motor		
	Motor output		kW	0.096	
	Driving mechanism		Direct-driven by motor		
	Air flow rate		(Low-Mid-High)		
			cfm	194 - 247 - 317	
			m ³ /min	5.5 - 7.0 - 9.0	
			L/s	92 - 117 - 150	
Sound pressure level (measured in anechoic room)		*2	dB (A)	(Low-Mid-High) 23-26-30	
Insulation material			Polystyrene foam, Polyethylene foam, Urethane foam		
Air filter			PP honeycomb fabric.		
Protection device			Fuse		
Refrigerant control device			LEV		
Connectable outdoor unit			R32/R454B CITY MULTI		
Diameter of refrigerant pipe	Liquid	inch (mm)	1/4 (6.35)Brazed		
	Gas	inch (mm)	1/2 (12.7)Brazed		
Field drain pipe size		inch (mm)	O.D.1-1/4 (32)		
Drawing	External		VG01T396		
	Wiring		VG01T397		
	Refrigerant cycle		-		
Standard attachment	Document		Installation Manual, Instruction Book		
	Accessory		Washer, Drain socket, Tie band		
Optional parts	External heater adapter		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				BTU/h =kW x 3,412	
Indoor: 80 ° FD.B./67 ° FW.B. (26.7 ° CD.B./19.4 ° CW.B.), Outdoor: 95 ° FD.B. (35 ° CD.B.)				cfm =m ³ /min x 35.31	
Pipe length: 25 ft. (7.6 m), Level difference: 0 ft. (0 m)				lbs =kg/0.4536	
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.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)

PEFY-M-NMSU-A

SPECIFICATIONS OF Air Conditioner (Ceiling-concealed TYPE)				
MODEL			PEFY-M12NMSU-A	
Power source			1-phase 208/230 V 60 Hz	
Cooling capacity	*1	BTU/h	12,000	
	*1	kW	3.5	
	*2	Power input	kW	
	*2	Current input	A	
			0.064	
			0.67/0.63	
Heating capacity	*3	BTU/h	13,500	
	*3	kW	4.0	
	*2	Power input	kW	
	*2	Current input	A	
			0.062	
			0.62/0.58	
External finish			Galvanized steel plate	
External dimension HxWxD		inch	7-7/8 x 31-1/8 x 27-9/16	
		mm	200 x 790 x 700	
Net weight		lbs (kg)	45 (20)	
Heat exchanger			Cross fin (Aluminum fin and copper tube)	
FAN	Type x Quantity		Sirocco fan x 2	
	*4	External static press.	in.WG	<0.02> - 0.06 - <0.14> - <0.20>
			Pa	<5> - 15 - <35> - <50>
	Motor Type		DC motor	
	Motor output		kW	
	Driving mechanism		Direct-driven by motor	
	Air flow rate		(Low-Mid-High)	
			cfm	211 - 282 - 370
			m³/min	6.0 - 8.0 - 10.5
			L/s	100 - 133 - 175
Sound pressure level (measured in anechoic room) *2			(Low-Mid-High)	
			23-28-34	
Insulation material			Polystyrene foam, Polyethylene foam, Urethane foam	
Air filter			PP honeycomb fabric.	
Protection device			Fuse	
Refrigerant control device			LEV	
Connectable outdoor unit			R32/R454B CITY MULTI	
Diameter of refrigerant pipe	Liquid	inch (mm)	1/4 (6.35)Braze	
	Gas	inch (mm)	1/2 (12.7)Braze	
Field drain pipe size		inch (mm)	O.D.1-1/4 (32)	
Drawing	External		VG01T396	
	Wiring		VG01T397	
	Refrigerant cycle		-	
Standard attachment	Document		Installation Manual, Instruction Book	
	Accessory		Washer, Drain socket, Tie band	
Optional parts	External heater adapter		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			BTU/h =kW x 3,412	
Indoor: 80 ° FD.B./67 ° FW.B. (26.7 ° CD.B./19.4 ° CW.B.), Outdoor: 95 ° FD.B. (35 ° CD.B.)			cfm =m³/min x 35.31	
Pipe length: 25 ft. (7.6 m), Level difference: 0 ft. (0 m)			lbs =kg/0.4536	
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.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)

PEFY-M-NMSU-A

SPECIFICATIONS OF Air Conditioner (Ceiling-concealed TYPE)				
MODEL			PEFY-M15NMSU-A	
Power source			1-phase 208/230 V 60 Hz	
Cooling capacity	*1	BTU/h	15,000	
	*1	kW	4.4	
	*2	Power input	kW	
	*2	Current input	A	
			0.052	
			0.54/0.50	
Heating capacity	*3	BTU/h	17,000	
	*3	kW	5.0	
	*2	Power input	kW	
	*2	Current input	A	
			0.050	
			0.49/0.45	
External finish			Galvanized steel plate	
External dimension HxWxD		inch	7-7/8 x 39 x 27-9/16	
		mm	200 x 990 x 700	
Net weight		lbs (kg)	53 (24)	
Heat exchanger			Cross fin (Aluminum fin and copper tube)	
FAN	Type x Quantity		Sirocco fan x 3	
	*4	External static press.	in.WG	<0.02> - 0.06 - <0.14> - <0.20>
			Pa	<5> - 15 - <35> - <50>
	Motor Type		DC motor	
	Motor output		kW	
	Driving mechanism		Direct-driven by motor	
	Air flow rate		(Low-Mid-High)	
			cfm	282 - 335 - 388
			m ³ /min	8.0 - 9.5 - 11.0
			L/s	133 - 158 - 183
Sound pressure level (measured in anechoic room) *2			dB (A)	
			(Low-Mid-High)	
			28-30-33	
Insulation material			Polystyrene foam, Polyethylene foam, Urethane foam	
Air filter			PP honeycomb fabric.	
Protection device			Fuse	
Refrigerant control device			LEV	
Connectable outdoor unit			R32/R454B CITY MULTI	
Diameter of refrigerant pipe	Liquid	inch (mm)	1/4 (6.35)Braze	
	Gas	inch (mm)	1/2 (12.7)Braze	
Field drain pipe size		inch (mm)	O.D.1-1/4 (32)	
Drawing	External		VG01T396	
	Wiring		VG01T397	
	Refrigerant cycle		-	
Standard attachment	Document		Installation Manual, Instruction Book	
	Accessory		Washer, Drain socket, Tie band	
Optional parts	External heater adapter		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			BTU/h =kW x 3,412	
Indoor: 80 ° FD.B./67 ° FW.B. (26.7 ° CD.B./19.4 ° CW.B.), Outdoor: 95 ° FD.B. (35 ° CD.B.)			cfm =m ³ /min x 35.31	
Pipe length: 25 ft. (7.6 m), Level difference: 0 ft. (0 m)			lbs =kg/0.4536	
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.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)

PEFY-M-NMSU-A

SPECIFICATIONS OF Air Conditioner (Ceiling-concealed TYPE)				
MODEL			PEFY-M18NMSU-A	
Power source			1-phase 208/230 V 60 Hz	
Cooling capacity	*1	BTU/h	18,000	
	*1	kW	5.3	
	*2	Power input kW	0.082	
	*2	Current input A	0.75/0.71	
Heating capacity	*3	BTU/h	20,000	
	*3	kW	5.9	
	*2	Power input kW	0.080	
	*2	Current input A	0.70/0.66	
External finish			Galvanized steel plate	
External dimension HxWxD		inch	7-7/8 x 39 x 27-9/16	
		mm	200 x 990 x 700	
Net weight		lbs (kg)	53 (24)	
Heat exchanger			Cross fin (Aluminum fin and copper tube)	
FAN	Type x Quantity		Sirocco fan x 3	
	*4	External static press.	in.WG	<0.02> - 0.06 - <0.14> - <0.20>
			Pa	<5> - 15 - <35> - <50>
	Motor Type		DC motor	
	Motor output		kW	0.096
	Driving mechanism		Direct-driven by motor	
	Air flow rate		(Low-Mid-High)	
			cfm	353 - 441 - 529
			m³/min	10.0 - 12.5 - 15.0
			L/s	167 - 208 - 250
Sound pressure level (measured in anechoic room)		*2	dB (A)	(Low-Mid-High) 30-34-37
Insulation material			Polystyrene foam, Polyethylene foam, Urethane foam	
Air filter			PP honeycomb fabric.	
Protection device			Fuse	
Refrigerant control device			LEV	
Connectable outdoor unit			R32/R454B CITY MULTI	
Diameter of refrigerant pipe	Liquid	inch (mm)	1/4 (6.35)Brazed	
	Gas	inch (mm)	1/2 (12.7)Brazed	
Field drain pipe size		inch (mm)	O.D.1-1/4 (32)	
Drawing	External		VG01T396	
	Wiring		VG01T397	
	Refrigerant cycle		-	
Standard attachment	Document		Installation Manual, Instruction Book	
	Accessory		Washer, Drain socket, Tie band	
Optional parts	External heater adapter		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				BTU/h =kW x 3,412
Indoor: 80 ° FD.B./67 ° FW.B. (26.7 ° CD.B./19.4 ° CW.B.), Outdoor: 95 ° FD.B. (35 ° CD.B.)				cfm =m³/min x 35.31
Pipe length: 25 ft. (7.6 m), Level difference: 0 ft. (0 m)				lbs =kg/0.4536
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.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)

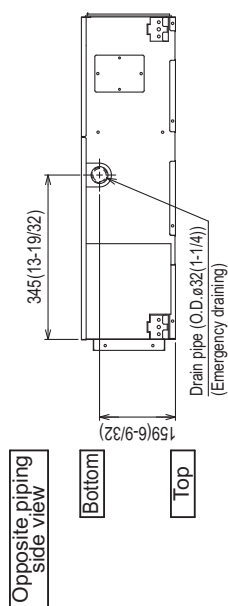
PEFY-M-NMSU-A

SPECIFICATIONS OF Air Conditioner (Ceiling-concealed TYPE)				
MODEL		PEFY-M24NMSU-A		
Power source		1-phase 208/230 V 60 Hz		
Cooling capacity	*1	BTU/h	24,000	
	*1	kW	7.0	
	*2	Power input	kW	0.102
	*2	Current input	A	0.87/0.81
Heating capacity	*3	BTU/h	27,000	
	*3	kW	7.9	
	*2	Power input	kW	0.100
	*2	Current input	A	0.82/0.76
External finish		Galvanized steel plate		
External dimension HxWxD	inch		7-7/8 x 46-7/8 x 27-9/16	
	mm		200 x 1,190 x 700	
Net weight		lbs (kg)	60 (27)	
Heat exchanger		Cross fin (Aluminum fin and copper tube)		
FAN	Type x Quantity		Sirocco fan x 4	
	*4	External static press.	in.WG	<0.02> - 0.06 - <0.14> - <0.20>
		Pa	<5> - 15 - <35> - <50>	
	Motor Type		DC motor	
	Motor output		kW	0.096
	Driving mechanism		Direct-driven by motor	
	Air flow rate		(Low-Mid-High)	
			cfm	423 - 565 - 706
			m ³ /min	12.0 - 16.0 - 20.0
			L/s	200 - 267 - 333
Sound pressure level (measured in anechoic room)		*2	dB (A)	(Low-Mid-High) 30-35-40
Insulation material		Polystyrene foam, Polyethylene foam, Urethane foam		
Air filter		PP honeycomb fabric.		
Protection device		Fuse		
Refrigerant control device		LEV		
Connectable outdoor unit		R32/R454B CITY MULTI		
Diameter of refrigerant pipe	Liquid	inch (mm)	3/8 (9.52)Braze	
	Gas	inch (mm)	5/8 (15.88)Braze	
Field drain pipe size		inch (mm)	O.D.1-1/4 (32)	
Drawing	External		VG01T396	
	Wiring		VG01T397	
	Refrigerant cycle		-	
Standard attachment	Document		Installation Manual, Instruction Book	
	Accessory		Washer, Drain socket, Tie band	
Optional parts	External heater adapter		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			BTU/h =kW x 3,412	
Indoor: 80 ° FD.B./67 ° FW.B. (26.7 ° CD.B./19.4 ° CW.B.), Outdoor: 95 ° FD.B. (35 ° CD.B.)			cfm =m ³ /min x 35.31	
Pipe length: 25 ft. (7.6 m), Level difference: 0 ft. (0 m)			lbs =kg/0.4536	
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.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-M06, 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-M06NMSU-A	700	752	798	660	7	600	660	5	500	16	839	790	ø12.7	ø6.35
PEFY-M08NMSU-A	(27-9/16)	(29-5/8)	(31-7/16)	(26)		(23-5/8)	(26)		(19-11/16)	(31-1/8)	(33-1/16)	(31-1/8)	(1/2)	(1/4)
PEFY-M12NMSU-A	900	952	998	860	9	800	860	7	700	20	1039	990		
PEFY-M15NMSU-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)	(40-29/32)	(39)		
PEFY-M18NMSU-A	1100	1152	1198	1060	11	1000	1060	9	900	24	1239	1190	ø15.88	ø9.52
PEFY-M24NMSU-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)	(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)

100(3-15/16)

30(1-3/16)

20(13/16)

10(13/32)

49(1-15/16)

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

Drain pump

Air outlet

D (DUCT)

(E-1)×100(3-15/16)=(F)

100(3-15/16)

30(1-3/16)

20(13/16)

10(13/32)

49(1-15/16)

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

Drain pump

Air outlet

D (DUCT)

(E-1)×100(3-15/16)=(F)

100(3-15/16)

30(1-3/16)

20(13/16)

10(13/32)

49(1-15/16)

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

Drain pump

Air outlet

D (DUCT)

(E-1)×100(3-15/16)=(F)

100(3-15/16)

30(1-3/16)

20(13/16)

10(13/32)

49(1-15/16)

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

Drain pump

Air outlet

D (DUCT)

(E-1)×100(3-15/16)=(F)

100(3-15/16)

30(1-3/16)

20(13/16)

10(13/32)

49(1-15/16)

L

C

B (Suspension bolt pitch)

M

A

Air inlet

23(29/32)

90(3-9/16)

12(1/2)

88

12(1/2)

20(13/16)

K-ø2.9(1/8)

Knockout hole ø27(1-3/32)

(Power source wiring)

100(3-15/16)

H×100(3-15/16)=(J)

100(3-15/16)

88

12(1/2)

20(13/16)

K-ø2.9(1/8)

Knockout hole ø27(1-3/32)

(Transmission wiring)

100(3-15/16)

H×100(3-15/16)=(J)

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)

100(3-15/16)

H×100(3-15/16)=(J)

100(3-15/16)

88

12(1/2)

20(13/16)

K-ø2.9(1/8)

Knockout hole ø27(1-3/32)

(Transmission wiring)

100(3-15/16)

H×100(3-15/16)=(J)

100(3-15/16)

88

12(1/2)

20(13/16)

Inlet air side view

100(3-15/16)

37(1-15/32)

12(1/2)

20(13/16)

157.5(6-7/32)

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)

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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)

0 (Actual length)

Less than 300(11-13/16)

Less than 550(21-21/32)

Drain hose (I.D. ø32 (1-1/4))

<Accessory>

Air filter

Knockout hole ø27(1-3/32)

(Transmission wiring)

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)

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)

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)

- 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-M15 · 18NMSU-A models, which have 3 fans.
 PEFY-M06 · 08 · 12NMSU-A models have 2 fans.
 PEFY-M24NMSU-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.

PEFY-M06, 08, 12, 15, 18, 24NMSU-A

Unit: mm (in.)

Model	N	P	Q	R
PEFY-M06NMSU-A	700	50~150	800	1300
PEFY-M08NMSU-A	700	50~150	800	1300
PEFY-M12NMSU-A	900	150~250	1000	1500
PEFY-M15NMSU-A	900	150~250	1000	1500
PEFY-M18NMSU-A	1100	250~350	1200	1700
PEFY-M24NMSU-A	1100	250~350	1200	1700

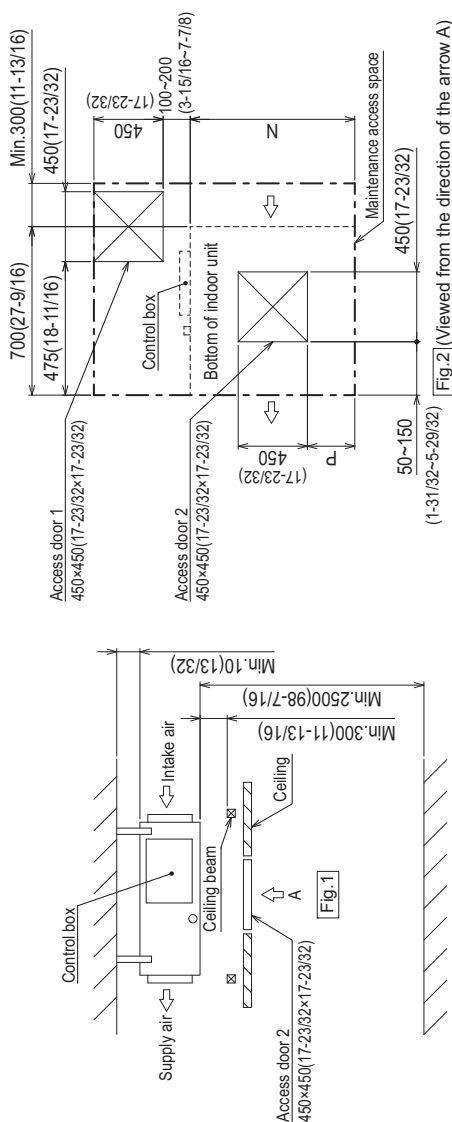


Fig. 2 (Viewed from the direction of the arrow A)

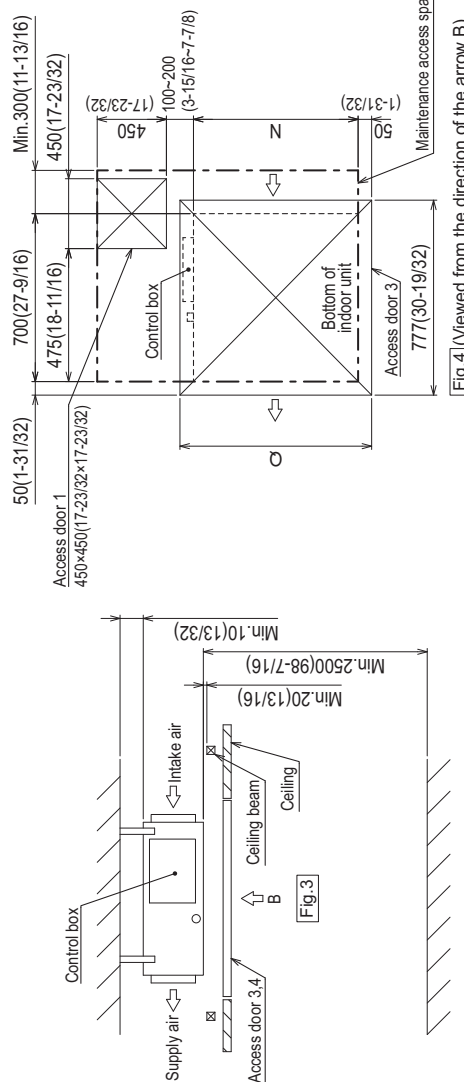


Fig. 4 (Viewed from the direction of the arrow B)

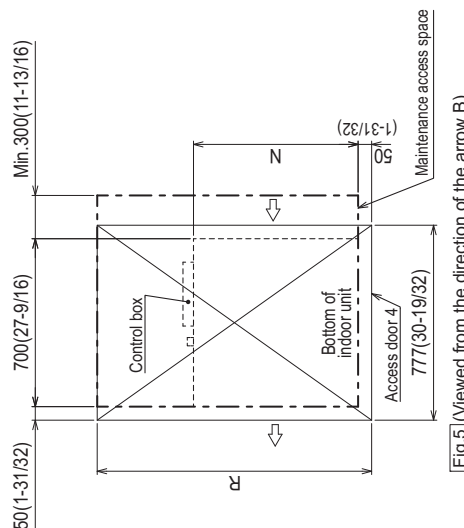


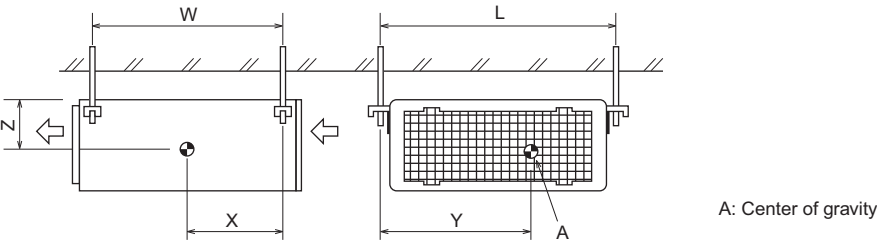
Fig. 5 (Viewed from the direction of the arrow B)

[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.

- (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-M-NMSU-A

PEFY-M06, 08, 12, 15, 18, 24NMSU-A



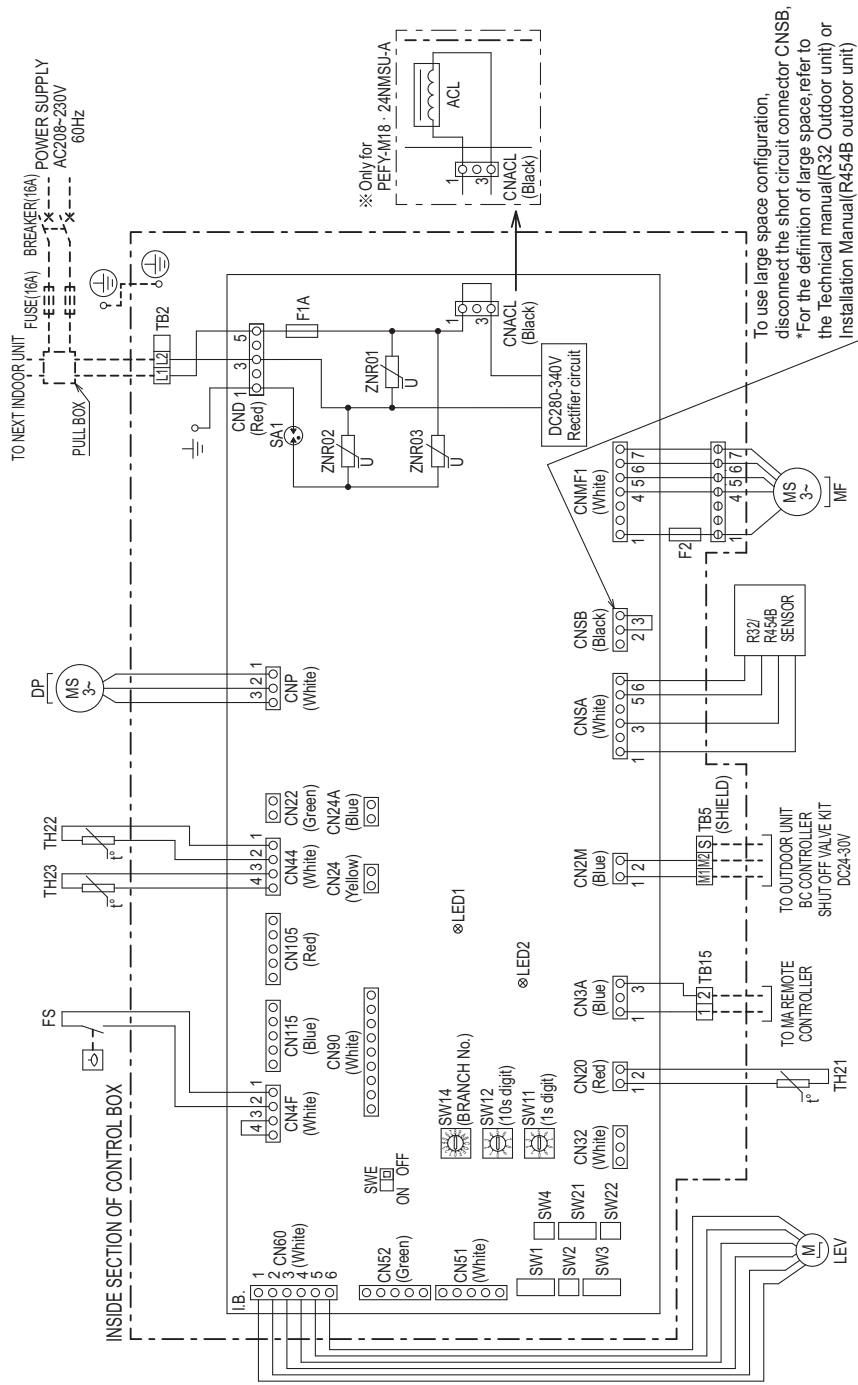
Model name	(mm) [in]				
	W	L	X	Y	Z
PEFY-M06NMSU-A	625 [24-5/8]	752 [29-5/8]	263 [10-3/8]	338 [13-5/16]	105 [4-5/32]
PEFY-M08NMSU-A	625 [24-5/8]	752 [29-5/8]	263 [10-3/8]	338 [13-5/16]	105 [4-5/32]
PEFY-M12NMSU-A	625 [24-5/8]	752 [29-5/8]	275 [10-27/32]	340 [13-13/32]	104 [4-1/8]
PEFY-M15NMSU-A	625 [24-5/8]	952 [37-1/2]	280 [11-1/32]	422 [16-5/8]	104 [4-1/8]
PEFY-M18NMSU-A	625 [24-5/8]	952 [37-1/2]	280 [11-1/32]	422 [16-5/8]	104 [4-1/8]
PEFY-M24NMSU-A	625 [24-5/8]	1152 [45-3/8]	285 [11-1/4]	511 [20-1/8]	104 [4-1/8]

PEFY-M06, 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
TB15	Thermistor (inlet air temp. detection)
TH21	Thermistor (inlet air temp. detection)
TH22	Thermistor (piping temp.detection/liquid)
TH23	Thermistor (piping temp.detection/gas)
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 (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-M06NMSU-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
PEFY-M08NMSU-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
PEFY-M12NMSU-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
PEFY-M15NMSU-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
PEFY-M18NMSU-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
PEFY-M24NMSU-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

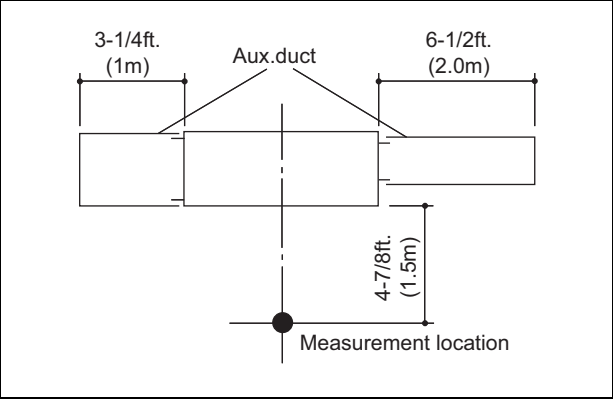
DIP SWITCH DEFINITION

ON	1	2
OFF	1	2

PEFY-M-NMSU-A

5-1. Sound levels

PEFY-M-NMSU



* Measured in anechoic room

Operating sound levels
(Low - Middle - High)

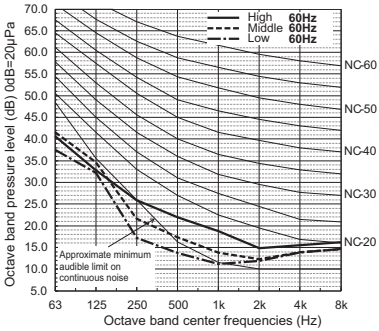
Unit: dB (A)

Model	Sound pressure level (A weighted)
PEFY-M06NMSU-A	22 - 24 - 28
PEFY-M08NMSU-A	23 - 26 - 30
PEFY-M12NMSU-A	23 - 28 - 34
PEFY-M15NMSU-A	28 - 30 - 33
PEFY-M18NMSU-A	30 - 34 - 37
PEFY-M24NMSU-A	30 - 35 - 40

5-2. NC curves

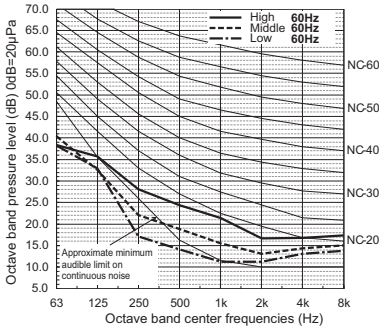
PEFY-M06NMSU-A

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



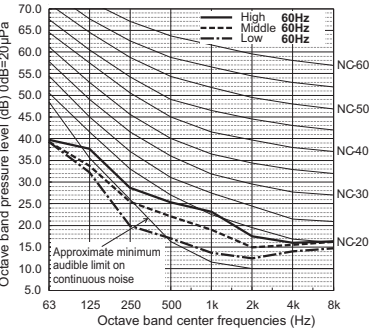
PEFY-M06NMSU-A

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



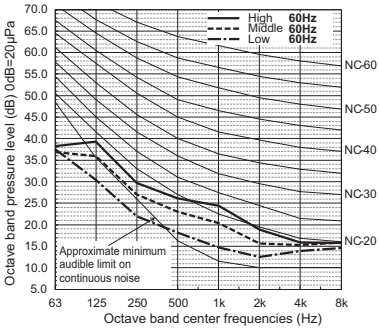
PEFY-M06NMSU-A

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



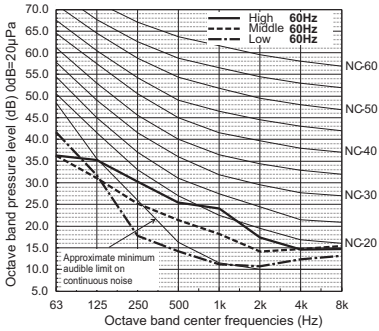
PEFY-M06NMSU-A

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



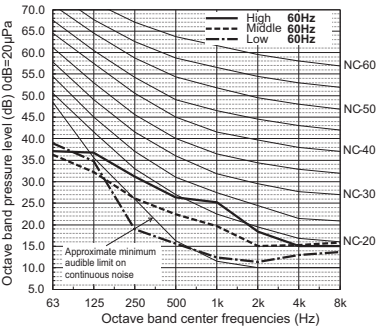
PEFY-M08NMSU-A

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



PEFY-M08NMSU-A

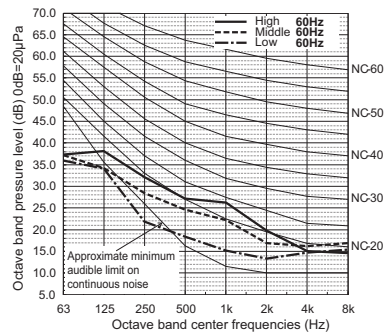
External Static Pressure: 15Pa [0.06in.WG]
Power Source: 208/230V



PEFY-M08NMSU-A

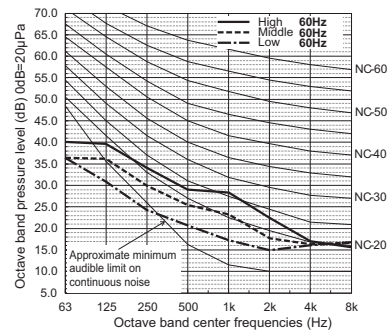
External Static Pressure: 35Pa [0.14in.WG]

Power Source: 208/230V

**PEFY-M08NMSU-A**

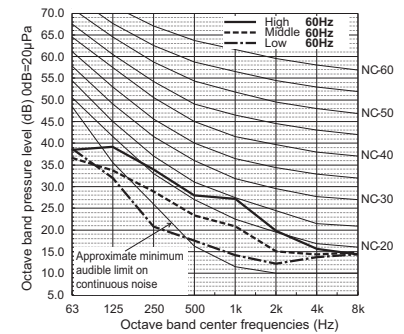
External Static Pressure: 50Pa [0.20in.WG]

Power Source: 208/230V

**PEFY-M12NMSU-A**

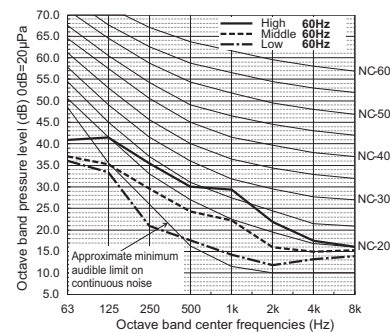
External Static Pressure: 5Pa [0.02in.WG]

Power Source: 208/230V

**PEFY-M12NMSU-A**

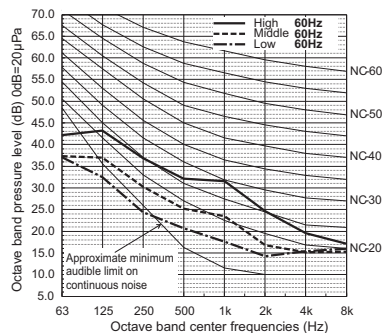
External Static Pressure: 15Pa [0.06in.WG]

Power Source: 208/230V

**PEFY-M12NMSU-A**

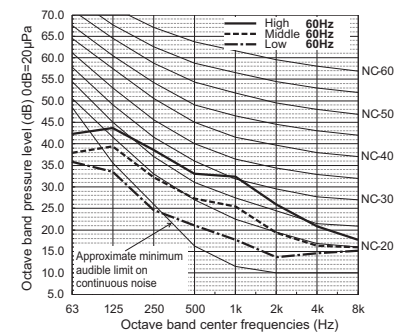
External Static Pressure: 35Pa [0.14in.WG]

Power Source: 208/230V

**PEFY-M12NMSU-A**

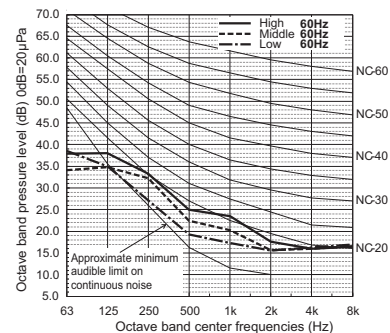
External Static Pressure: 50Pa [0.20in.WG]

Power Source: 208/230V

**PEFY-M15NMSU-A**

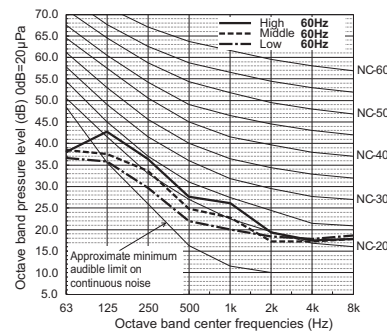
External Static Pressure: 5Pa [0.02in.WG]

Power Source: 208/230V

**PEFY-M15NMSU-A**

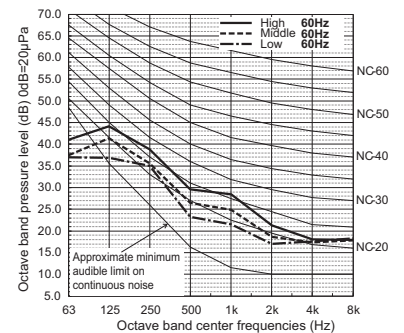
External Static Pressure: 15Pa [0.06in.WG]

Power Source: 208/230V

**PEFY-M15NMSU-A**

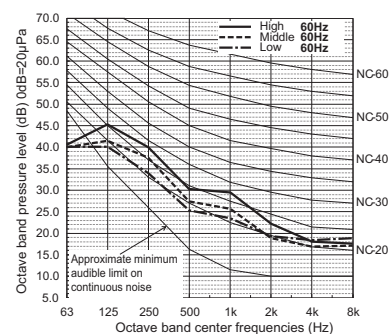
External Static Pressure: 35Pa [0.14in.WG]

Power Source: 208/230V

**PEFY-M15NMSU-A**

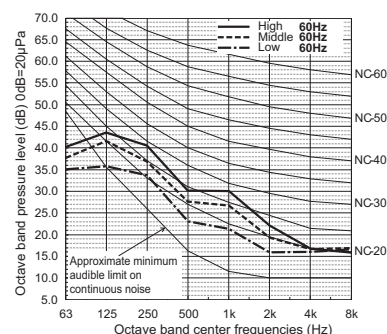
External Static Pressure: 50Pa [0.20in.WG]

Power Source: 208/230V

**PEFY-M18NMSU-A**

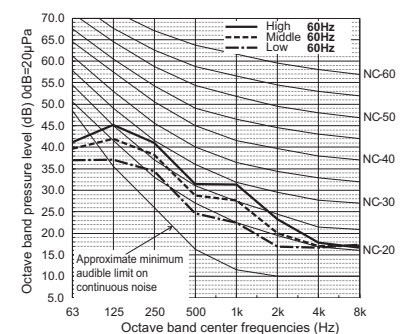
External Static Pressure: 5Pa [0.02in.WG]

Power Source: 208/230V

**PEFY-M18NMSU-A**

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

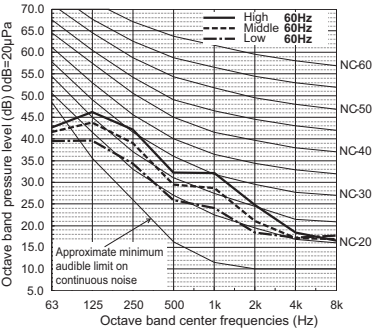
Power Source: 208/230V



PEFY-M-NMSU-A

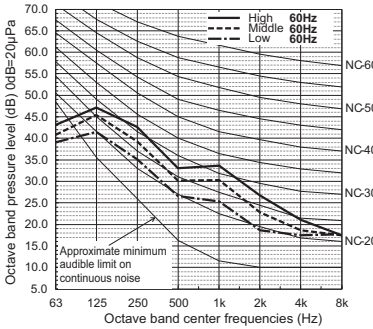
PEFY-M18NMSU-A

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



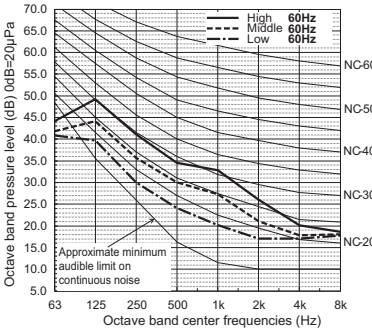
PEFY-M18NMSU-A

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



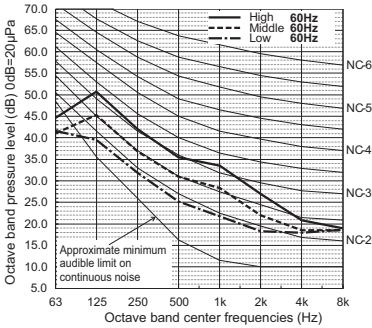
PEFY-M24NMSU-A

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



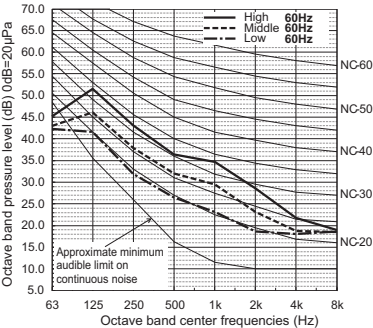
PEFY-M24NMSU-A

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



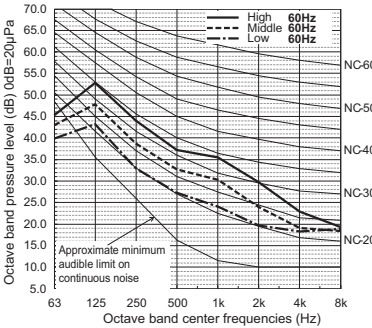
PEFY-M24NMSU-A

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



PEFY-M24NMSU-A

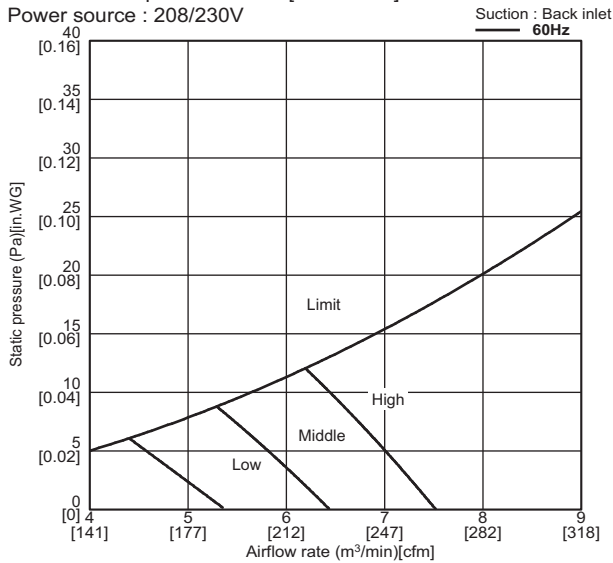
External Static Pressure: 50Pa [0.20in.WG]
Power Source: 208/230V



PEFY-M06NMSU-A

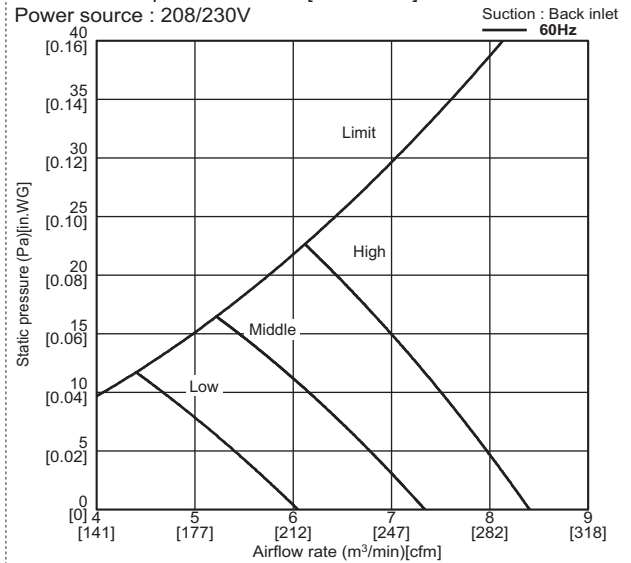
External static pressure : 5Pa [0.02in.WG]

Power source : 208/230V

**PEFY-M06NMSU-A**

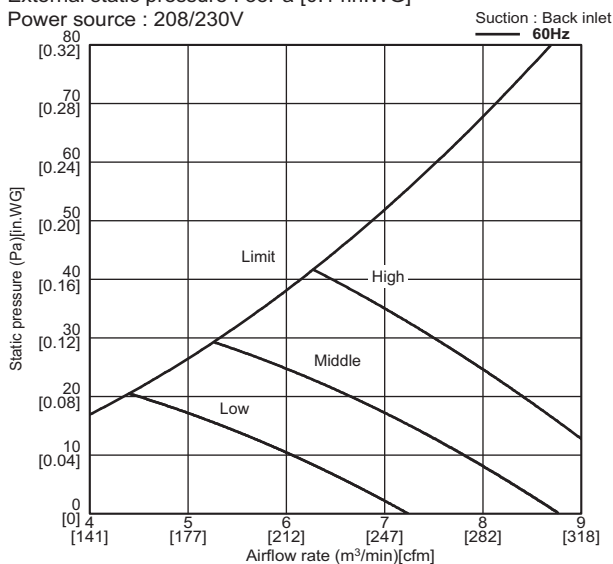
External static pressure : 15Pa [0.06in.WG]

Power source : 208/230V

**PEFY-M06NMSU-A**

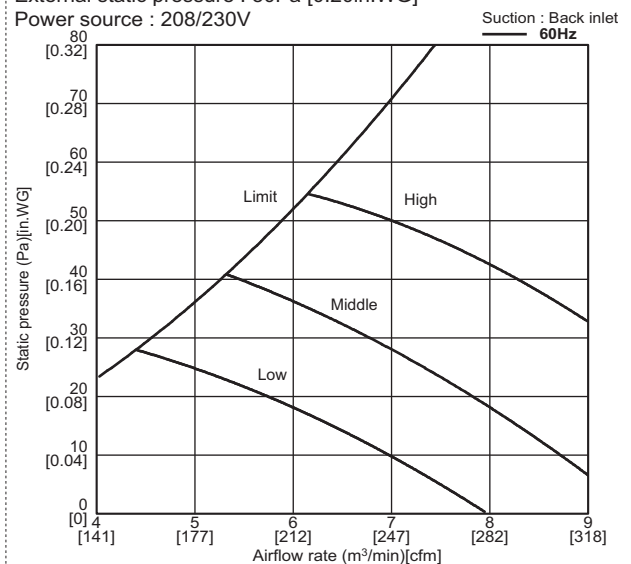
External static pressure : 35Pa [0.14in.WG]

Power source : 208/230V

**PEFY-M06NMSU-A**

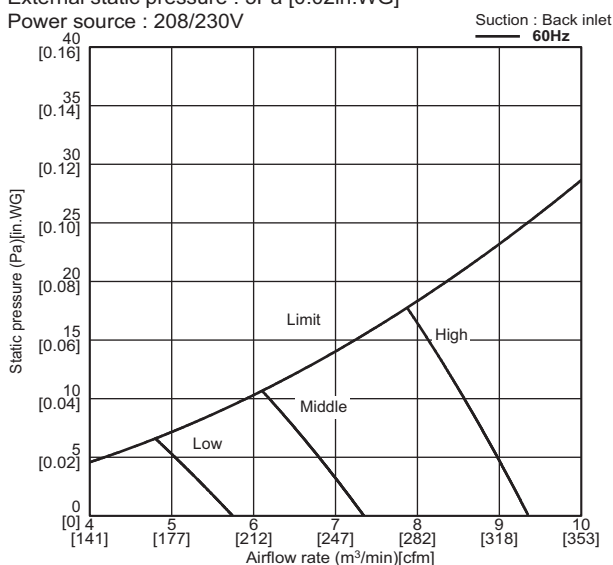
External static pressure : 50Pa [0.20in.WG]

Power source : 208/230V

**PEFY-M08NMSU-A**

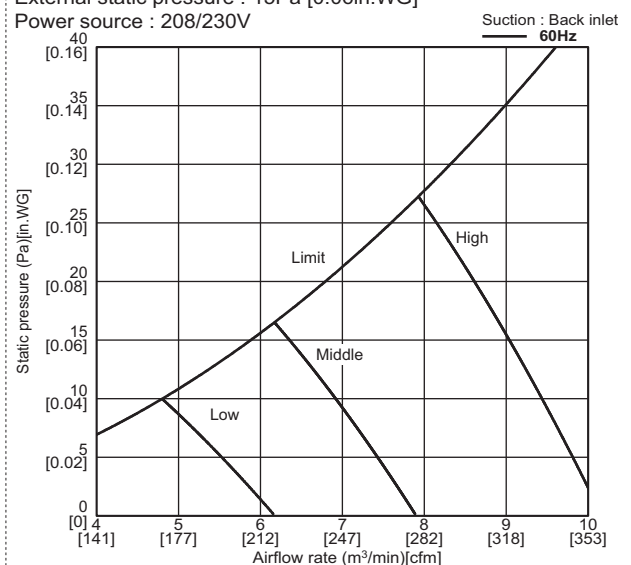
External static pressure : 5Pa [0.02in.WG]

Power source : 208/230V

**PEFY-M08NMSU-A**

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

Power source : 208/230V



Note: Operate only within the operating range shown in the above fan characteristic curves.

6. FAN CHARACTERISTICS CURVES

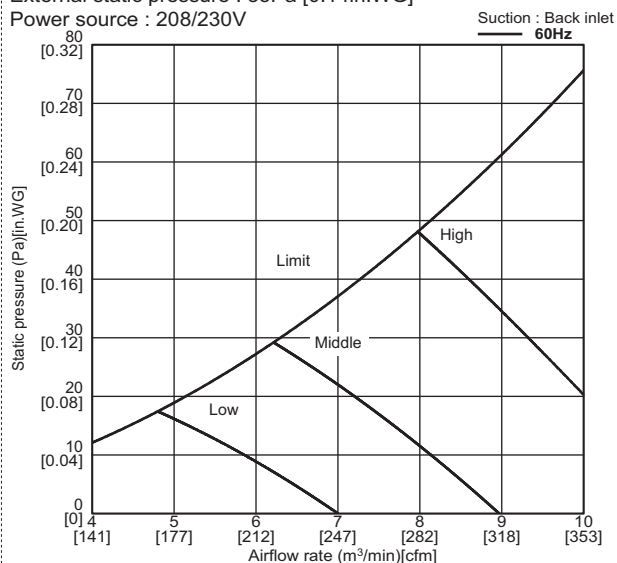
Ceiling concealed (Low static pressure type)

PEFY-M-NMSU-A

PEFY-M08NMSU-A

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

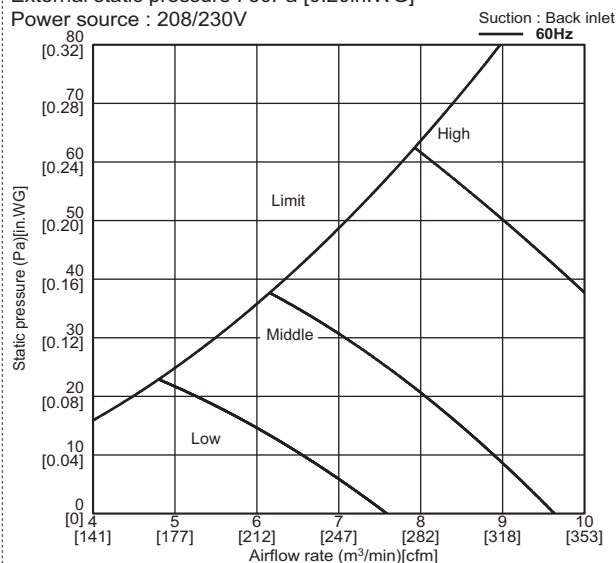
Power source : 208/230V



PEFY-M08NMSU-A

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

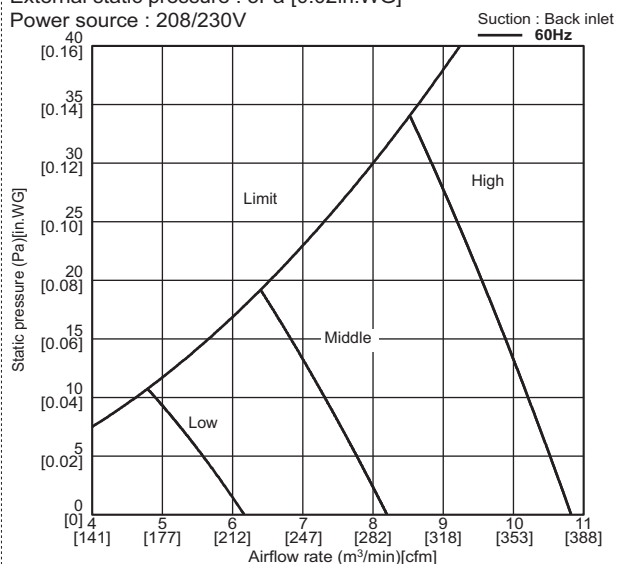
Power source : 208/230V



PEFY-M12NMSU-A

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

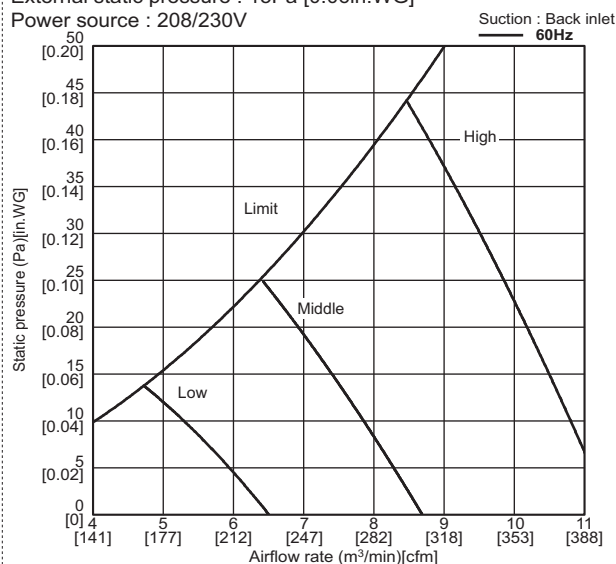
Power source : 208/230V



PEFY-M12NMSU-A

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

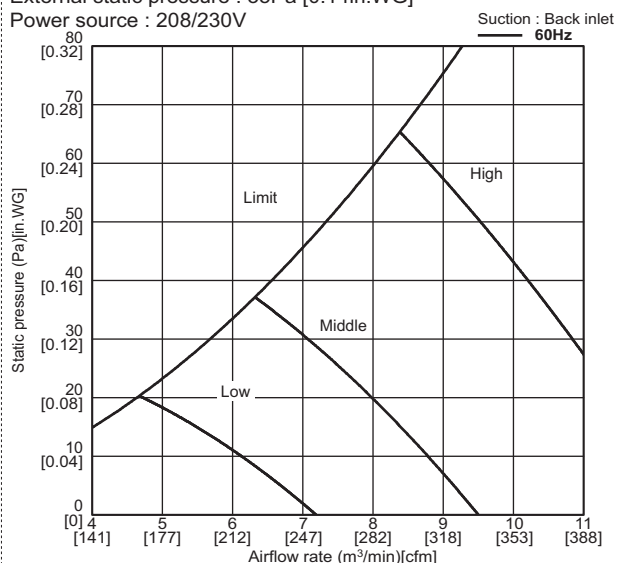
Power source : 208/230V



PEFY-M12NMSU-A

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

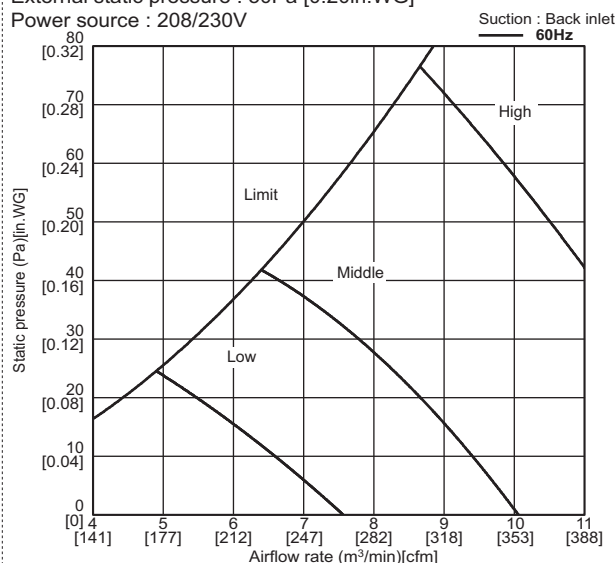
Power source : 208/230V



PEFY-M12NMSU-A

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

Power source : 208/230V

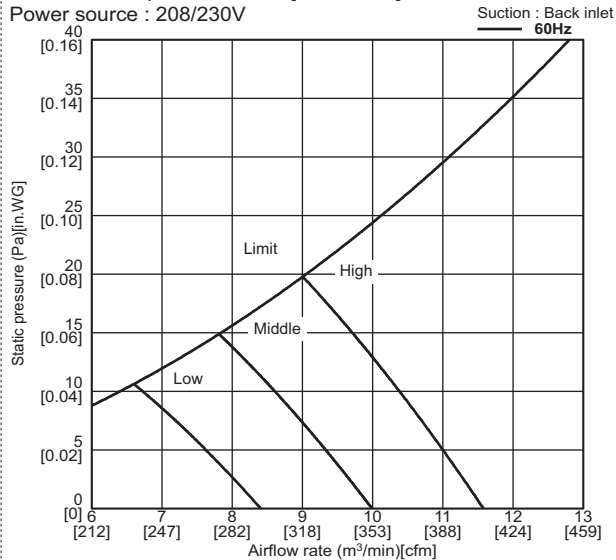


Note: Operate only within the operating range shown in the above fan characteristic curves.

PEFY-M15NMSU-A

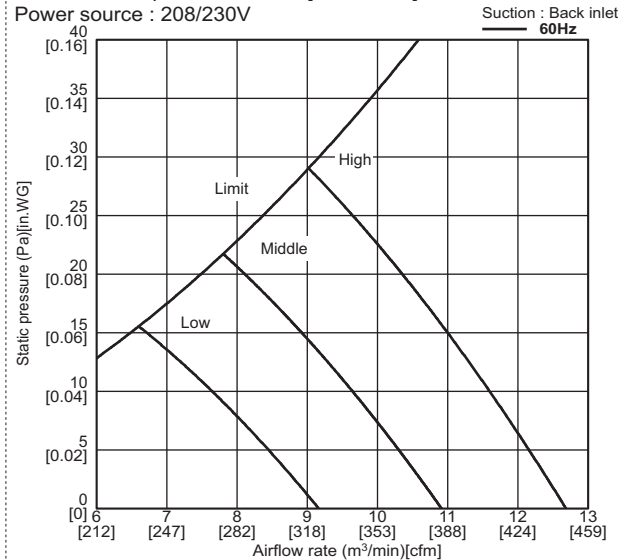
External static pressure : 5Pa [0.02in.WG]

Power source : 208/230V

**PEFY-M15NMSU-A**

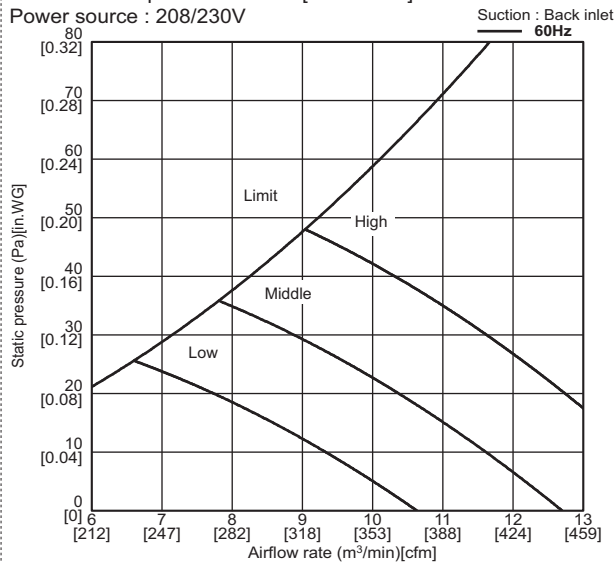
External static pressure : 15Pa [0.06in.WG]

Power source : 208/230V

**PEFY-M15NMSU-A**

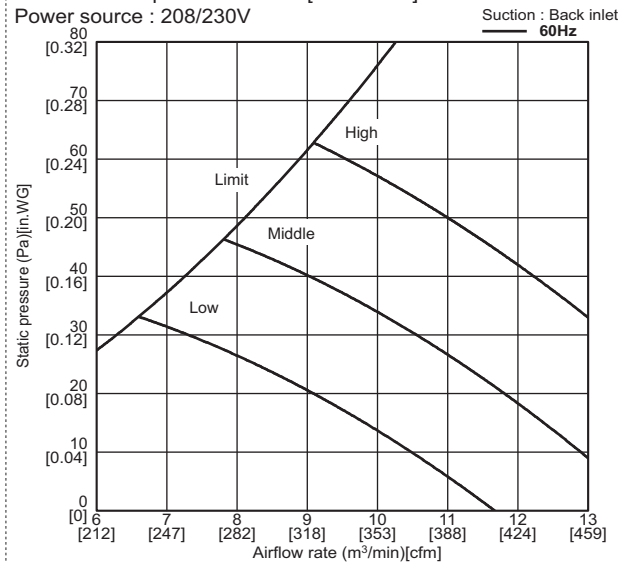
External static pressure : 35Pa [0.14in.WG]

Power source : 208/230V

**PEFY-M15NMSU-A**

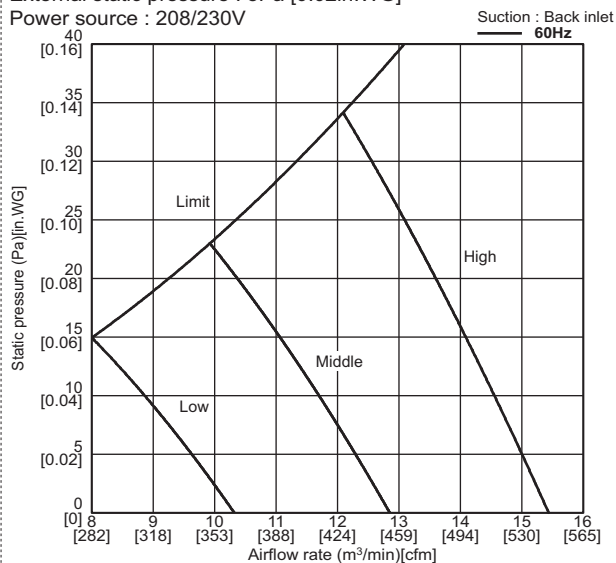
External static pressure : 50Pa [0.20in.WG]

Power source : 208/230V

**PEFY-M18NMSU-A**

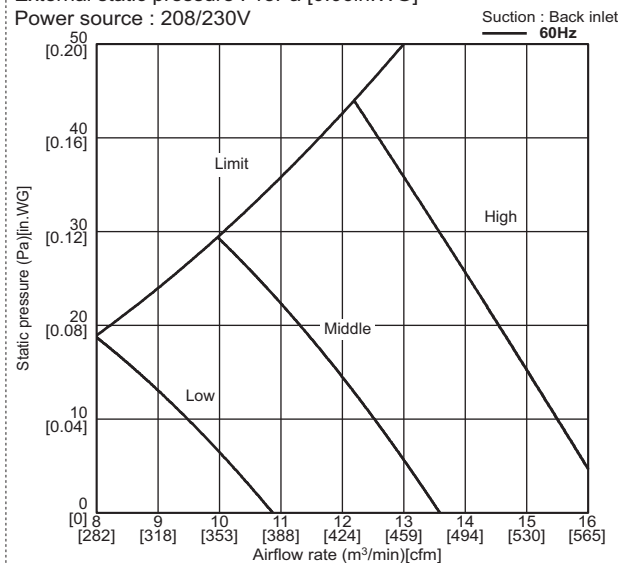
External static pressure : 5Pa [0.02in.WG]

Power source : 208/230V

**PEFY-M18NMSU-A**

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

Power source : 208/230V



Note: Operate only within the operating range shown in the above fan characteristic curves.

6. FAN CHARACTERISTICS CURVES

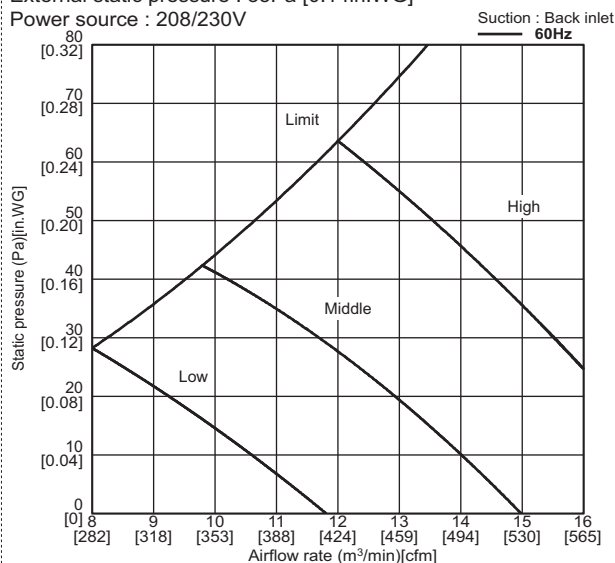
Ceiling concealed (Low static pressure type)

PEFY-M-NMSU-A

PEFY-M18NMSU-A

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

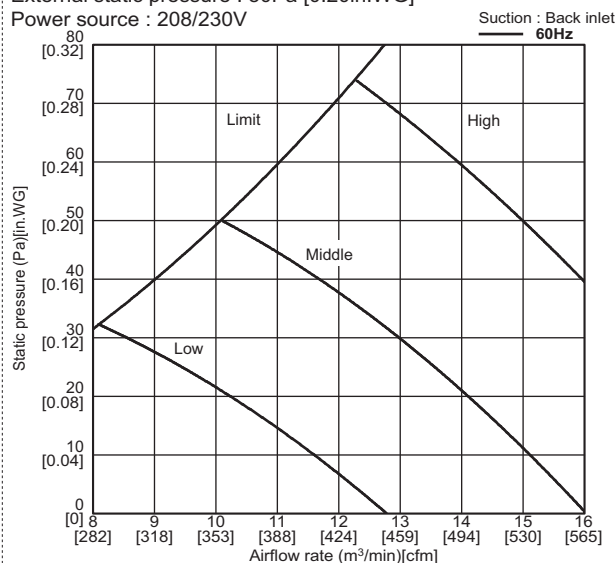
Power source : 208/230V



PEFY-M18NMSU-A

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

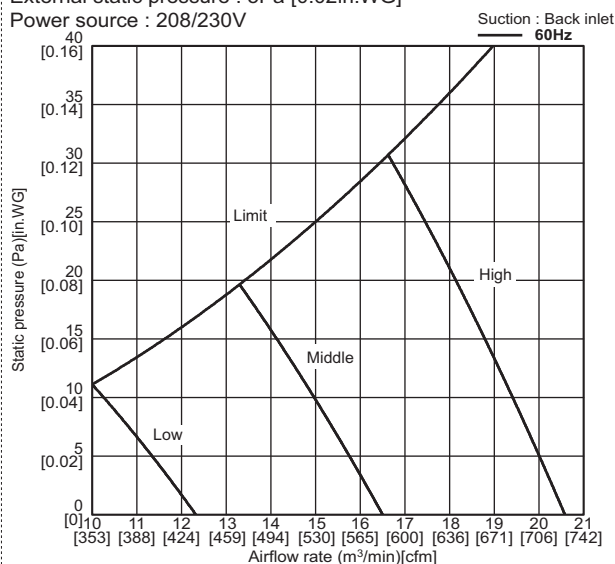
Power source : 208/230V



PEFY-M24NMSU-A

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

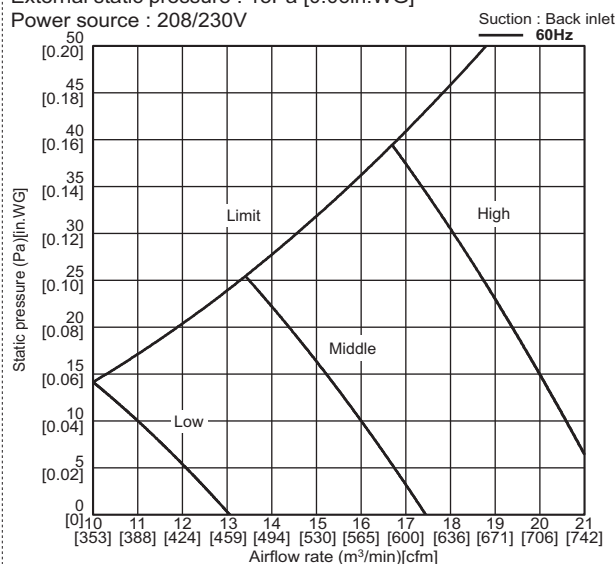
Power source : 208/230V



PEFY-M24NMSU-A

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

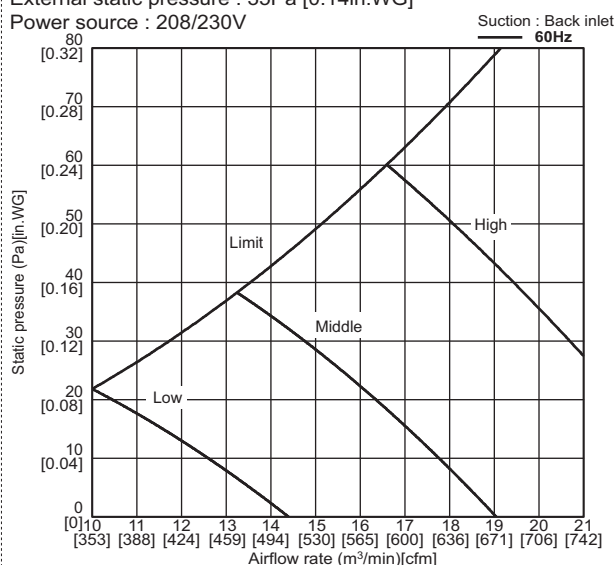
Power source : 208/230V



PEFY-M24NMSU-A

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

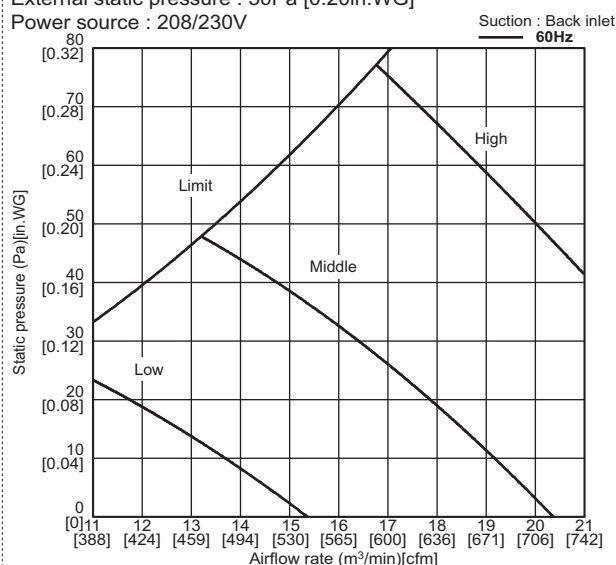
Power source : 208/230V



PEFY-M24NMSU-A

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

Power source : 208/230V



Note: Operate only within the operating range shown in the above fan characteristic curves.

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-M06NMSU-A	60Hz	208 - 230V	188 to 253V	0.79	0.096	0.63
PEFY-M08NMSU-A				0.95	0.096	0.76
PEFY-M12NMSU-A				1.17	0.096	0.93
PEFY-M15NMSU-A				1.12	0.096	0.89
PEFY-M18NMSU-A				1.35	0.096	1.08
PEFY-M24NMSU-A				1.59	0.096	1.27

PEFY-M-NMSU-A

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

External heater adapter

PEFY-M06, 08, 12, 15, 18, 24NMSU-A

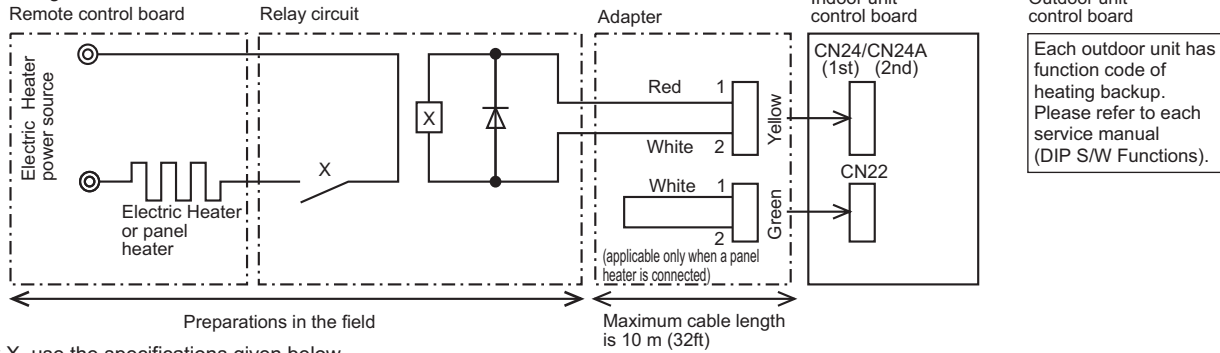
PAC-YU25HT

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

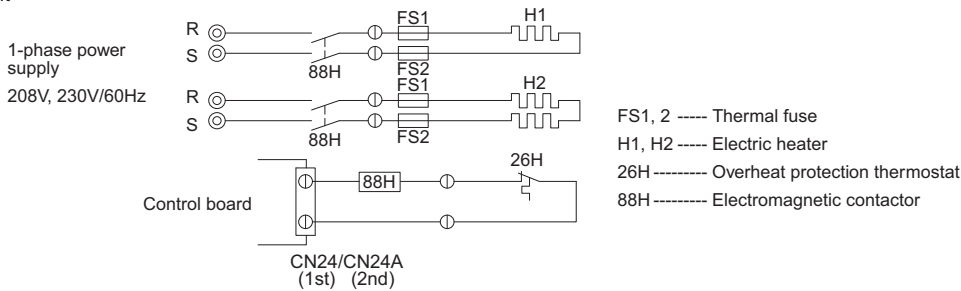
* Use the diode that is recommended by the relay manufacturer at both ends of the relay coil.

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			

For detailed wiring and installation information, refer to the 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, R32/R454B.

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