

AIR CONDITIONING SYSTEMS

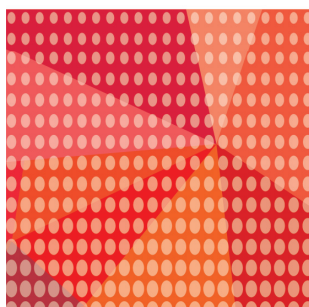
CITY MULTI



DATA BOOK

MODEL

PVIFY-P-NAMU-E1



PVFY-P-NAMU-E1

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1. SPECIFICATIONS

Vertical-concealed

PVFY-P-NAMU-E1

Model			PVFY-P08NAMU-E1	PVFY-P12NAMU-E1	PVFY-P18NAMU-E1	PVFY-P24NAMU-E1	
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	8,000	12,000	18,000	24,000	
		*1 kW	2.3	3.5	5.3	7.0	
		*2 Power input	kW	0.080	0.080	0.130	0.180
		*2 Current input	A	0.80/0.70	0.80/0.70	1.20/1.10	1.60/1.40
Heating capacity		*3 BTU/h	9,000	13,500	20,000	27,000	
		*3 kW	2.6	4.0	5.9	7.9	
		*2 Power input	kW	0.080	0.080	0.130	0.180
		*2 Current input	A	0.80/0.70	0.80/0.70	1.20/1.10	1.60/1.40
External finish			Black galvanized steel cabinet	Black galvanized steel cabinet	Black galvanized steel cabinet	Black galvanized steel cabinet	
External dimension H x W x D		inch	50-1/4 x 17 x 21-5/8	50-1/4 x 17 x 21-5/8	50-1/4 x 17 x 21-5/8	50-1/4 x 17 x 21-5/8	
		mm	1,275 x 432 x 548	1,275 x 432 x 548	1,275 x 432 x 548	1,275 x 432 x 548	
Net weight		lbs (kg)	113 (51)	113 (51)	113 (51)	113 (51)	
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 1	
	External static press.	in.WG	<0.30> - 0.50 - <0.80>	<0.30> - 0.50 - <0.80>	<0.30> - 0.50 - <0.80>	<0.30> - 0.50 - <0.80>	
		*4 Pa	<75> - 125 - <200>	<75> - 125 - <200>	<75> - 125 - <200>	<75> - 125 - <200>	
	Motor Type		DC motor	DC motor	DC motor	DC motor	
	Motor output		kW	0.121	0.121	0.121	
	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	280 - 340 - 400	280 - 340 - 400	410 - 497 - 585	515 - 625 - 735
			m³/min	7.9 - 9.6 - 11.3	7.9 - 9.6 - 11.3	11.6 - 14.1 - 16.6	14.6 - 17.7 - 20.8
L/s			132 - 160 - 188	132 - 160 - 188	193 - 235 - 277	243 - 295 - 347	
Sound pressure level (measured in anechoic room)			(Low-Mid-High)	(Low-Mid-High)	(Low-Mid-High)	(Low-Mid-High)	
		*2 dB <A>	27-31-35	27-31-35	28-32-36	30-34-38	
Insulation material			EPS, Polyethylene foam, Urethane foam	EPS, Polyethylene foam, Urethane foam	EPS, Polyethylene foam, Urethane foam	EPS, Polyethylene foam, Urethane foam	
Air filter			PP honeycomb fabric.	PP honeycomb fabric.	PP honeycomb fabric.	PP honeycomb fabric.	
Protection device			Fuse	Fuse	Fuse	Fuse	
Refrigerant control device			LEV	LEV	LEV	LEV	
Connectable outdoor unit			R410A CITY MULTI	R410A CITY MULTI	R410A CITY MULTI	R410A CITY MULTI	
Diameter of refrigerant pipe	Liquid (R410A)	inch (mm)	1/4 (6.35)Brazed	1/4 (6.35)Brazed	1/4 (6.35)Brazed	3/8 (9.52)Brazed	
	Gas (R410A)	inch (mm)	1/2 (12.7)Brazed	1/2 (12.7)Brazed	1/2 (12.7)Brazed	5/8 (15.88)Brazed	
Field drain pipe size		inch (mm)	3/4 (19.05) FPT	3/4 (19.05) FPT	3/4 (19.05) FPT	3/4 (19.05) FPT	
Drawing	External		PA94C316	PA94C316	PA94C316	PA94C316	
	Wiring		PA94C110	PA94C110	PA94C110	PA94C110	
	Refrigerant cycle		-	-	-	-	
Standard attachment	Document		Installation Manual, Instruction Book	Installation Manual, Instruction Book	Installation Manual, Instruction Book	Installation Manual, Instruction Book	
	Accessory		Tie band, Plastic tube, Drain pan seal	Tie band, Plastic tube, Drain pan seal	Tie band, Plastic tube, Drain pan seal	Tie band, Plastic tube, Drain pan seal	
Optional parts	External heater adapter		PAC-YU25HT	PAC-YU25HT	PAC-YU25HT	PAC-YU25HT	
Remarks			* Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual. * Due to continuing improvement, above specifications may be subject to change without notice.				

Notes:		Unit converter
1.Nominal cooling conditions Indoor: 80°F D.B./67°F W.B. (26.7°C D.B./19.4°C W.B.), Outdoor: 95°F D.B. (35°C D.B.) Pipe length: 25 ft. (7.6 m), Level difference: 0 ft. (0 m)		BTU/h =kW x 3.412
2.The values are measured at the factory setting of external static pressure.		cfm =m ³ /min x 35.31
3.Nominal heating conditions Indoor: 70°F D.B. (21.1°C D.B.), Outdoor: 47°F D.B./43°F W.B. (8.3°C D.B./6.1°C W.B.) Pipe length: 25 ft. (7.6 m), Level difference: 0 ft. (0 m)		lbs =kg/0.4536
4.The factory setting of external static pressure is shown without < >. Refer to "Fan characteristics curves", according to the external static pressure, in DATA BOOK for the usable range of air flow rate.		*Above specification data is subject to rounding variation.

1. SPECIFICATIONS

Vertical-concealed

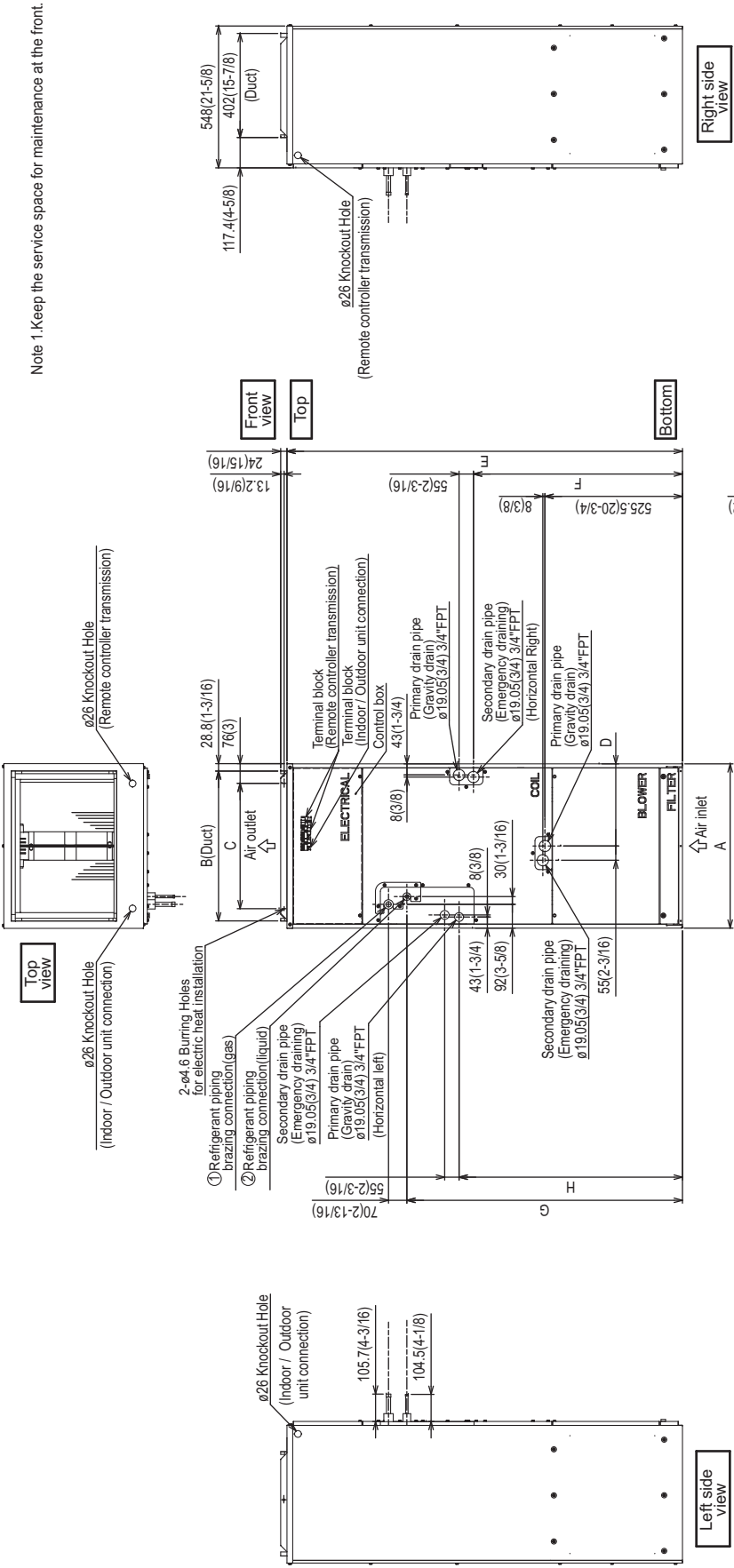
Model				PVFY-P30NAMU-E1	PVFY-P36NAMU-E1	PVFY-P48NAMU-E1	PVFY-P54NAMU-E1	
Power source				1-phase 208/230 V 60 Hz	1-phase 208/230 V 60 Hz	1-phase 208/230 V 60 Hz	1-phase 208/230 V 60 Hz	
Cooling capacity		*1	BTU/h	30,000	36,000	48,000	54,000	
		*1	kW	8.8	10.6	14.1	15.8	
		*2	Power input	0.210	0.340	0.420	0.480	
		*2	Current input	A	2.00/1.70	3.00/2.70	3.90/3.70	
Heating capacity		*3	BTU/h	34,000	40,000	54,000	60,000	
		*3	kW	10.0	11.7	15.8	17.6	
		*2	Power input	0.210	0.340	0.420	0.480	
		*2	Current input	A	2.00/1.70	3.00/2.70	3.90/3.70	
External finish				Black galvanized steel cabinet	Black galvanized steel cabinet	Black galvanized steel cabinet	Black galvanized steel cabinet	
External dimension H x W x D			inch	54-1/4 x 21 x 21-5/8	54-1/4 x 21 x 21-5/8	59-1/2 x 25 x 21-5/8	59-1/2 x 25 x 21-5/8	
			mm	1,378 x 534 x 548	1,378 x 534 x 548	1,511 x 635 x 548	1,511 x 635 x 548	
Net weight			lbs (kg)	141 (64)	141 (64)	172 (78)	172 (78)	
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 1	
	External static press.	in.WG	<0.30> - 0.50 - <0.80>	<0.30> - 0.50 - <0.80> *5	<0.30> - 0.50 - <0.80>	<0.30> - 0.50 - <0.80> *5		
		*4 Pa	<75> - 125 - <200>	<75> - 125 - <200>	<75> - 125 - <200>	<75> - 125 - <200>		
	Motor Type			DC motor	DC motor	DC motor	DC motor	
	Motor output		kW	0.244	0.244	0.43	0.43	
	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	613 - 744 - 875	767 - 931 - 1,095	980 - 1,190 - 1,400	1,040 - 1,262 - 1,485
				m ³ /min	17.3 - 21.1 - 24.8	21.7 - 26.4 - 31.0	27.7 - 33.7 - 39.6	29.4 - 35.7 - 42.0
				L/s	288 - 352 - 413	362 - 440 - 517	462 - 562 - 660	490 - 595 - 700
Sound pressure level (measured in anechoic room)			(Low-Mid-High)	(Low-Mid-High)	(Low-Mid-High)	(Low-Mid-High)		
			*2 dB <A>	32-36-40	35-39-43	35-39-43	36-40-44	
Insulation material				EPS, Polyethylene foam, Urethane foam	EPS, Polyethylene foam, Urethane foam	EPS, Polyethylene foam, Urethane foam	EPS, Polyethylene foam, Urethane foam	
Air filter				PP honeycomb fabric.	PP honeycomb fabric.	PP honeycomb fabric.	PP honeycomb fabric.	
Protection device				Fuse	Fuse	Fuse	Fuse	
Refrigerant control device				LEV	LEV	LEV	LEV	
Connectable outdoor unit				R410A CITY MULTI	R410A CITY MULTI	R410A CITY MULTI	R410A CITY MULTI	
Diameter of refrigerant pipe	Liquid	(R410A)	inch (mm)	3/8 (9.52)Brazed	3/8 (9.52)Brazed	3/8 (9.52)Brazed	3/8 (9.52)Brazed	
	Gas	(R410A)	inch (mm)	5/8 (15.88)Brazed	5/8 (15.88)Brazed	5/8 (15.88)Brazed	5/8 (15.88)Brazed	
Field drain pipe size			inch (mm)	3/4 (19.05) FPT	3/4 (19.05) FPT	3/4 (19.05) FPT	3/4 (19.05) FPT	
Drawing	External			PA94C316	PA94C316	PA94C316	PA94C316	
	Wiring			PA94C110	PA94C110	PA94C110	PA94C110	
	Refrigerant cycle			-	-	-	-	
Standard attachment	Document			Installation Manual, Instruction Book	Installation Manual, Instruction Book	Installation Manual, Instruction Book	Installation Manual, Instruction Book	
	Accessory			Tie band, Plastic tube, Drain pan seal	Tie band, Plastic tube, Drain pan seal	Tie band, Plastic tube, Drain pan seal	Tie band, Plastic tube, Drain pan seal	
Optional parts	External heater adapter			PAC-YU25HT	PAC-YU25HT	PAC-YU25HT	PAC-YU25HT	
Remarks				* Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual. * Due to continuing improvement, above specifications may be subject to change without notice.				

Notes:		Unit converter
1.Nominal cooling conditions Indoor: 80°FDB./67°FWB. (26.7°CDB./19.4°CWB.), Outdoor: 95°FDB. (35°CDB.) Pipe length: 25 ft. (7.6 m), Level difference: 0 ft. (0 m)		BTU/h =kW x 3,412
2.The values are measured at the factory setting of external static pressure.		cfm =m ³ /min x 35.31
3.Nominal heating conditions Indoor: 70°FDB. (21.1°CDB.), Outdoor: 47°FDB./43°FWB. (8.3°CDB./6.1°CWB.) Pipe length: 25 ft. (7.6 m), Level difference: 0 ft. (0 m)		lbs =kg/0.4536
4.The factory setting of external static pressure is shown without < > . Refer to "Fan characteristics curves", according to the external static pressure, in DATA BOOK for the usable range of air flow rate.		
5.Maximum external static pressure in case of downflow for PVFY-P36: 0.60 in.WG/150Pa Maximum external static pressure in case of downflow for PVFY-P54: 0.70 in.WG/175Pa		*Above specification data is subject to rounding variation.

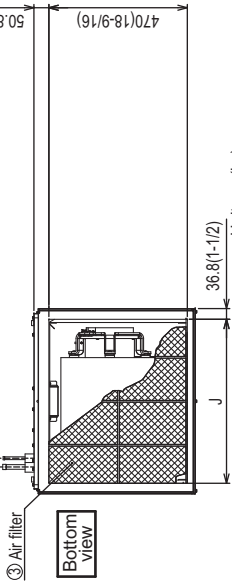
PVFX-P08, 12, 18, 24, 30, 36, 48, 54NAMU-E1

Unit: mm (in.)

Note 1.Keep the service space for maintenance at the front.



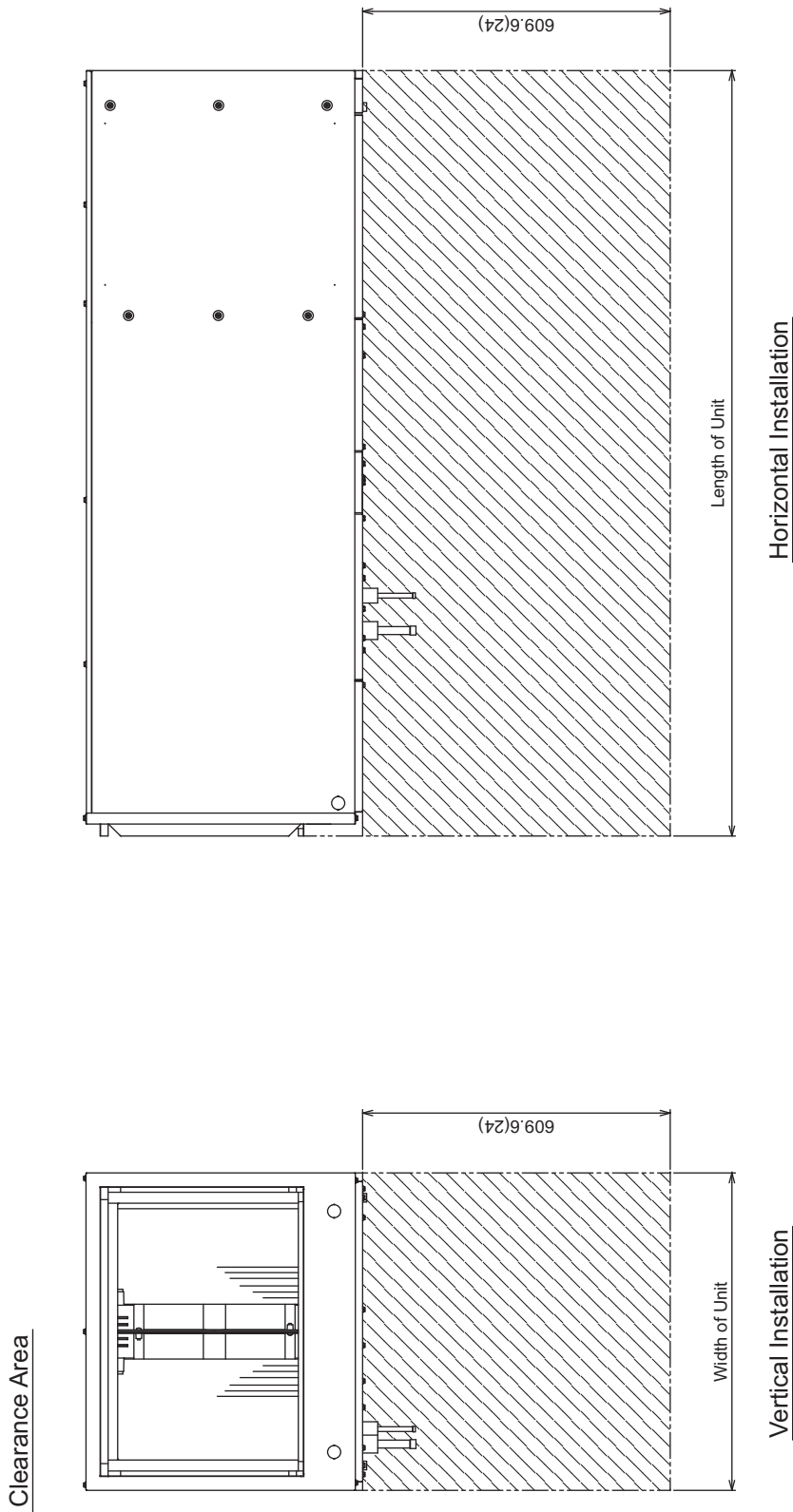
Model	③ Nominal Filter Size	Duct Connection
PVFX-P08NAMU-E1	508×406.4×25.4 (20×16×1)	376×402 (14-13/16×15-7/8)
PVFX-P12NAMU-E1	508×508×25.4 (20×20×1)	477×402 (18-13/16×15-7/8)
PVFX-P18NAMU-E1	508×609.6×25.4 (20×24×1)	579×402 (22-13/16×15-7/8)
PVFX-P24NAMU-E1		
PVFX-P30NAMU-E1		
PVFX-P36NAMU-E1		
PVFX-P48NAMU-E1		
PVFX-P54NAMU-E1		



Model	A	B	C	D	E	F	G	H	J	① Gas pipe	② Liquid pipe
PVFX-P08NAMU-E1	432 (17)	376 (14-13/16)	281 (11-1/8)	224 (8-7/8)	1275 (50-1/4)	680 (26-3/16)	823 (32-7/16)	735.5 (29)	360 (14-3/16)	ø12.7 (1/2)	ø6.35 (1/4)
PVFX-P12NAMU-E1	534 (21)	477 (18-13/16)	382.6 (15-1/8)	266.5 (10-1/2)	1378 (54-1/4)	737 (29-1/16)	953.5 (37-9/16)	792 (31-3/16)	461 (18-3/16)	ø15.88 (5/8)	ø9.52 (3/8)
PVFX-P18NAMU-E1	635 (25)	579 (22-13/16)	484.6 (19-1/8)	317.5 (12-1/2)	1511 (59-1/2)	798.5 (31-7/16)	1053 (41-1/2)	853.5 (33-5/8)	563 (22-3/16)		

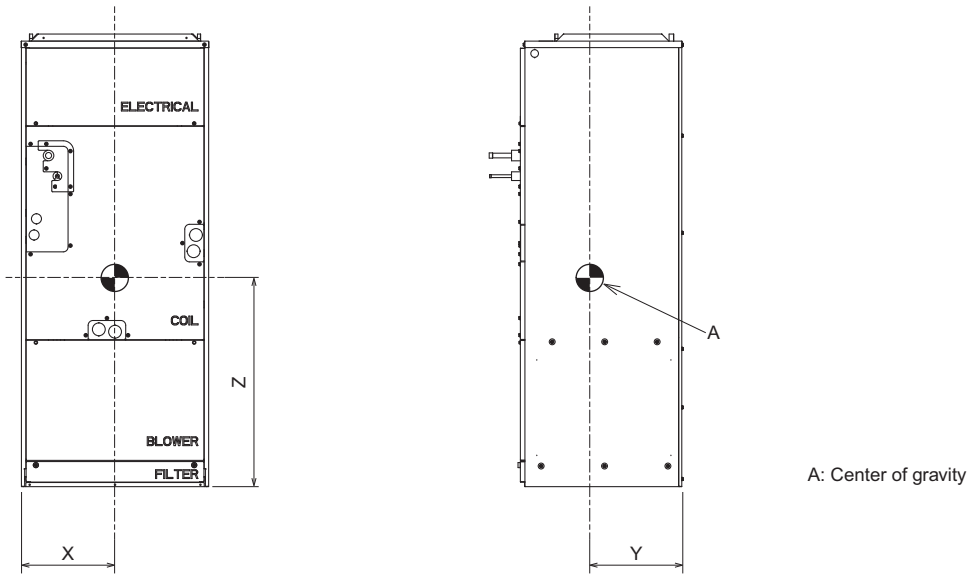
PV FY-P08, 12, 18, 24, 30, 36, 48, 54NAMU-E1

Unit: mm (in.)



PVFX-P-NAMU-E1

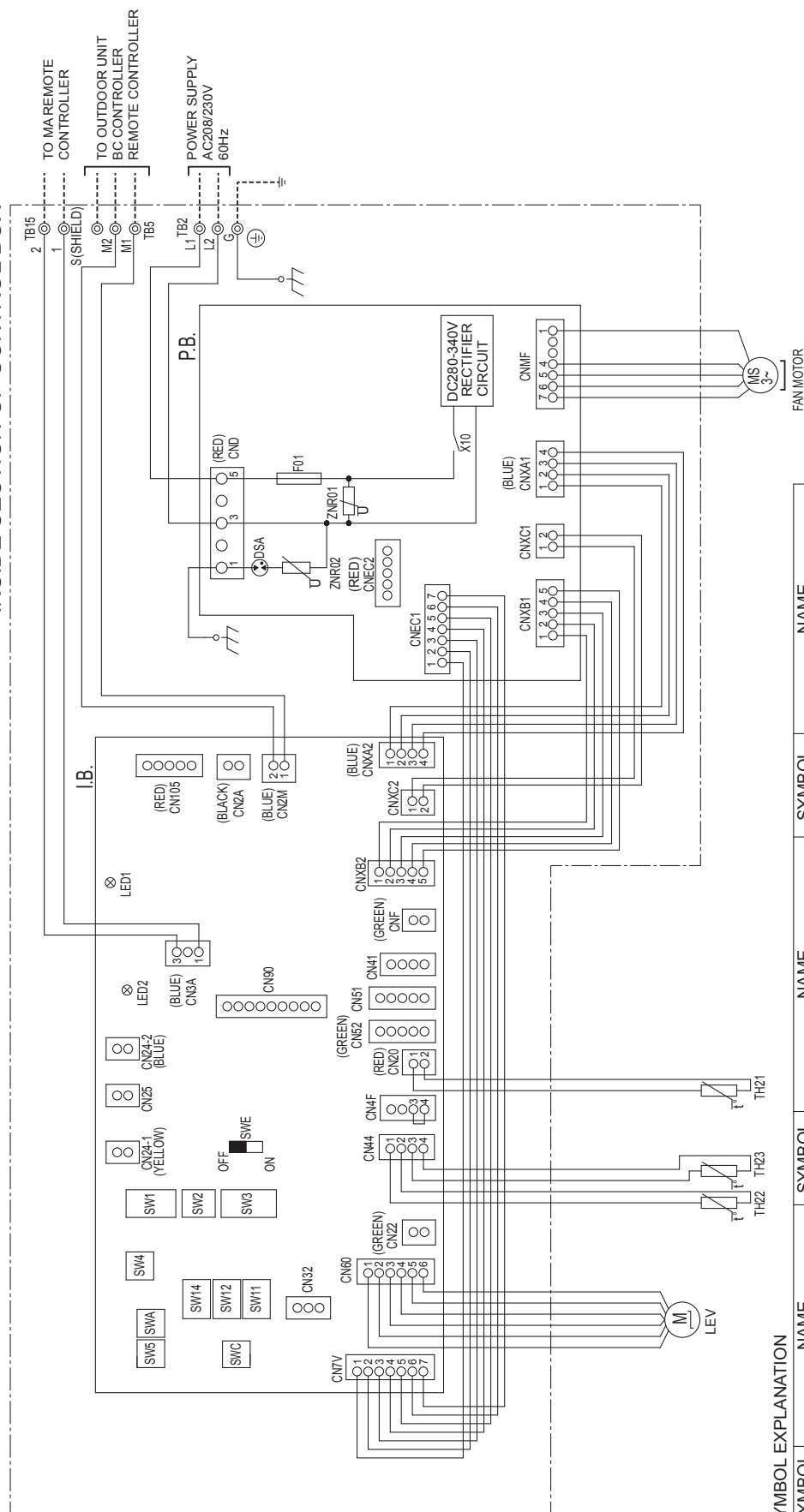
PVFX-P08, 12, 18, 24, 30, 36, 48, 54NAMU-E1



Model name	(mm)[in]		
	X	Y	Z
PVFX-P08NAMU-E1 PVFX-P12NAMU-E1 PVFX-P18NAMU-E1 PVFX-P24NAMU-E1	225 [8-7/8]	285 [11-1/4]	610 [24-1/16]
PVFX-P30NAMU-E1 PVFX-P36NAMU-E1	280 [11-1/16]	290 [11-7/16]	660 [26]
PVFX-P48NAMU-E1 PVFX-P54NAMU-E1	340 [13-7/16]	300 [11-13/16]	710 [28]

PVFY-P-NAMU-E1

NSIDE SECTION OF CONTROL BOX



NOTE:1.Symbols used in wiring diagram above are,

Connector

Terminal

----- (Heavy dotted line): Field wiring

2. Use copper supply wires.

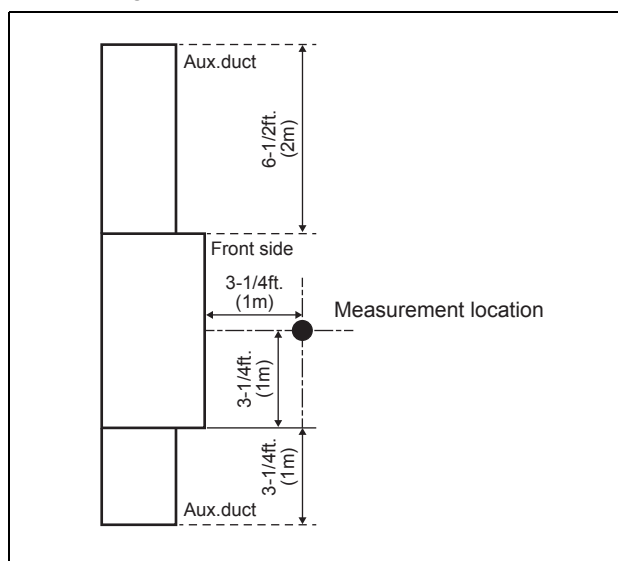
UTILISER DES FILS D'ALIMENTATION EN CUIVRE.

SYMBOL EXPLANATION

SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
IB	Indoor controller board	CN32	Connector (Remote switch)	SW1(I.B.)	Switch (for mode selection)
P.B.	Power supply board	CN41	Connector (HA terminal-A)	SW2(I.B.)	Switch (for capacity code)
ITB2	Power source terminal block	CN51	Connector (Central control)	SW3(I.B.)	Switch (for mode selection)
ITB5	Transmission terminal block	CN52	Connector (Remote indication)	SW4(I.B.)	Switch (for model selection)
ITB15	Transmission terminal block	CN90	Connector (Wireless)	SW5(I.B.)	Switch (for mode selection)
F01	Fuse AC250V 6.3A	CN105	Connector (IT terminal)	SW11(I.B.)	Switch (1st digit address set)
CNZN01_02	Varistor	CN2A	Connector (0-10V Analog Input)	SW12(I.B.)	Switch (10ths digit address set)
DSA	Arrester	CNEC2	Connector (FAN indication)	SW14(I.B.)	Switch (connection No.set)
X10	Aux. relay	CNF	Connector (Humidity input)	SWA(I.B.)	Switch (for static pressure selection)
CN22	Connector (Fan control)	TH21	Thermistor (inlet air temp.detection)	SWC(I.B.)	Switch (for static pressure selection)
CN24-1	Connector (Heater control 1st)	TH22	Thermistor (piping temp.detection/liquid)	SWE(I.B.)	Connector (emergency operation)
CN24-2	Connector (Heater control 2nd)	TH23	Thermistor (piping temp.detection/gas)	LED1	LED(Power supply)
CN25	Connector (Humidity output)			LED2	LED(Remote controller supply)

5-1. Sound levels

PVFY-P-NAMU-E1



* Measured in anechoic room

Operating sound levels

(Low - Middle - High)

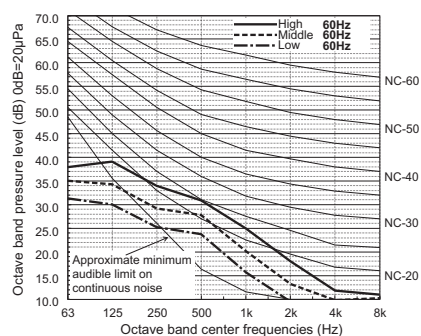
Unit: dB (A)

Model	Sound pressure level (A weighted)
PVFY-P08NAMU-E1	27 - 31 - 35
PVFY-P12NAMU-E1	27 - 31 - 35
PVFY-P18NAMU-E1	28 - 32 - 36
PVFY-P24NAMU-E1	30 - 34 - 38
PVFY-P30NAMU-E1	32 - 36 - 40
PVFY-P36NAMU-E1	35 - 39 - 43
PVFY-P48NAMU-E1	35 - 39 - 43
PVFY-P54NAMU-E1	36 - 40 - 44

5-2. NC curves

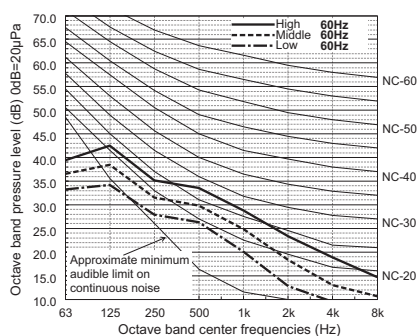
PVFY-P08, 12NAMU-E1

External Static Pressure: 75Pa [0.30in.WG]
Power Source: 208,230V(60Hz)



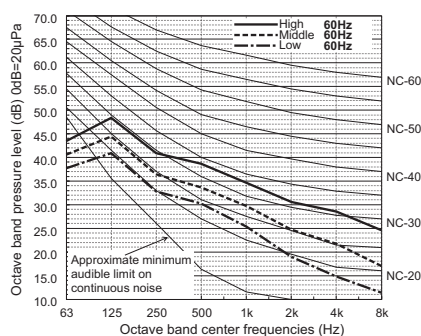
PVFY-P08, 12NAMU-E1

External Static Pressure: 125Pa [0.50in.WG]
Power Source: 208,230V(60Hz)



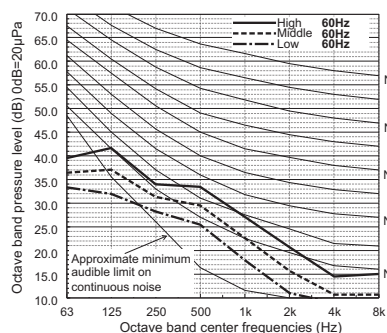
PVFY-P08, 12NAMU-E1

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



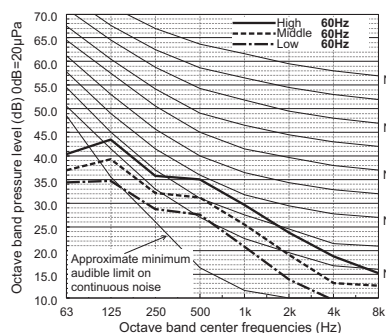
PVFY-P18NAMU-E1

External Static Pressure: 75Pa [0.30in.WG]
Power Source: 208,230V(60Hz)



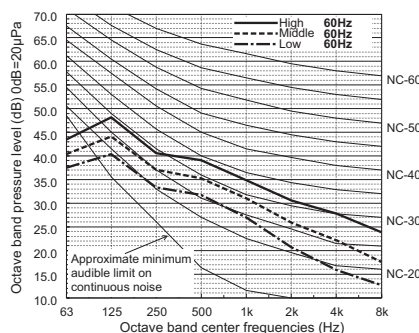
PVFY-P18NAMU-E1

External Static Pressure: 125Pa [0.50in.WG]
Power Source: 208,230V(60Hz)



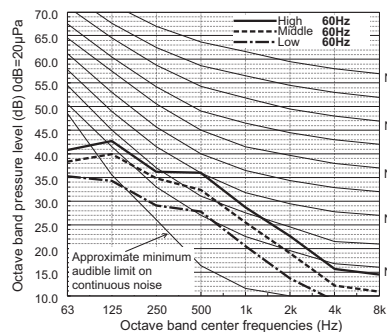
PVFY-P18NAMU-E1

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

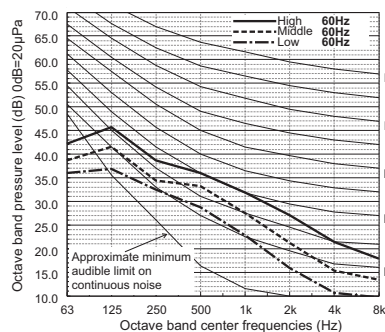


PVFY-P24NAMU-E1

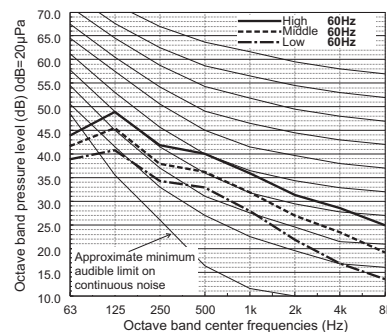
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Power Source: 208,230V(60Hz)

**PVFY-P24NAMU-E1**

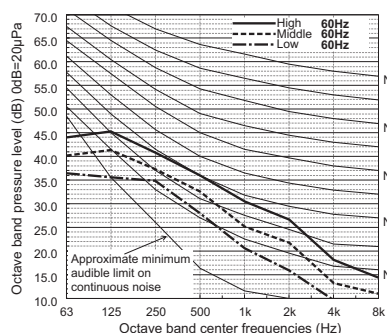
External Static Pressure: 125Pa [0.50in.WG]
Power Source: 208,230V(60Hz)

**PVFY-P24NAMU-E1**

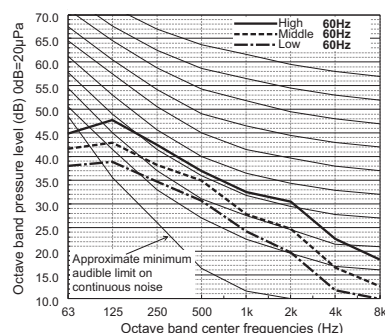
External Static Pressure: 200Pa [0.80in.WG]
Power Source: 208,230V(60Hz)

**PVFY-P30NAMU-E1**

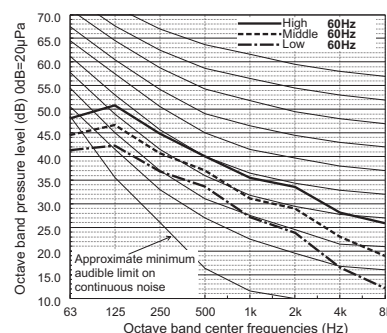
External Static Pressure: 75Pa [0.30in.WG]
Power Source: 208,230V(60Hz)

**PVFY-P30NAMU-E1**

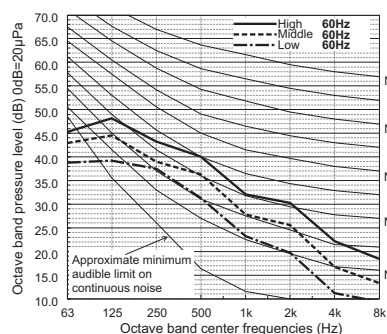
External Static Pressure: 125Pa [0.50in.WG]
Power Source: 208,230V(60Hz)

**PVFY-P30NAMU-E1**

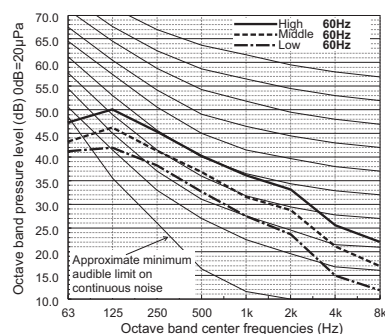
External Static Pressure: 200Pa [0.80in.WG]
Power Source: 208,230V(60Hz)

**PVFY-P36NAMU-E1**

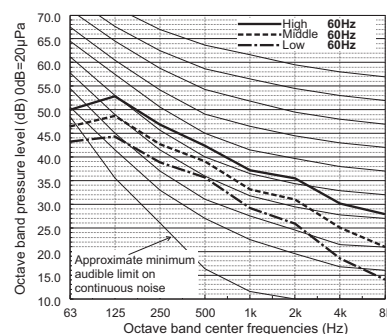
External Static Pressure: 75Pa [0.30in.WG]
Power Source: 208,230V(60Hz)

**PVFY-P36NAMU-E1**

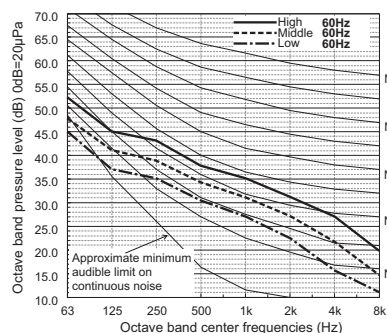
External Static Pressure: 125Pa [0.50in.WG]
Power Source: 208,230V(60Hz)

**PVFY-P36NAMU-E1**

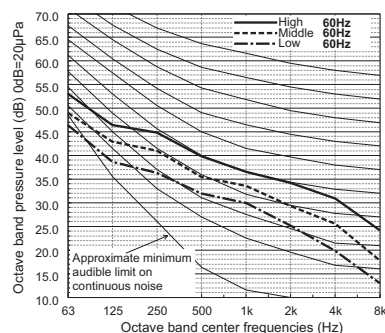
External Static Pressure: 200Pa [0.80in.WG]
Power Source: 208,230V(60Hz)

**PVFY-P48NAMU-E1**

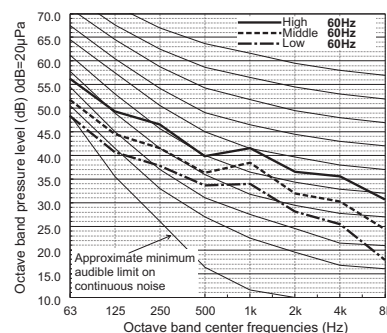
External Static Pressure: 75Pa [0.30in.WG]
Power Source: 208,230V(60Hz)

**PVFY-P48NAMU-E1**

External Static Pressure: 125Pa [0.50in.WG]
Power Source: 208,230V(60Hz)

**PVFY-P48NAMU-E1**

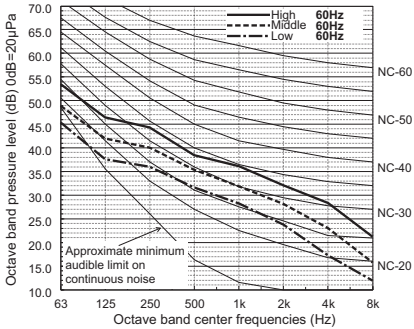
External Static Pressure: 200Pa [0.80in.WG]
Power Source: 208,230V(60Hz)



PV FY-P-NAMU-E1

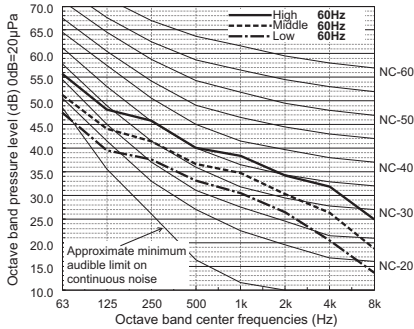
PV FY-P54NAMU-E1

External Static Pressure: 75Pa [0.30in.WG]
Power Source: 208,230V(60Hz)



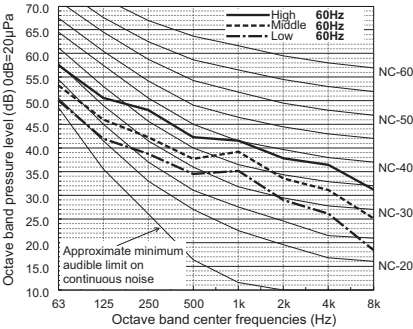
PV FY-P54NAMU-E1

External Static Pressure: 125Pa [0.50in.WG]
Power Source: 208,230V(60Hz)



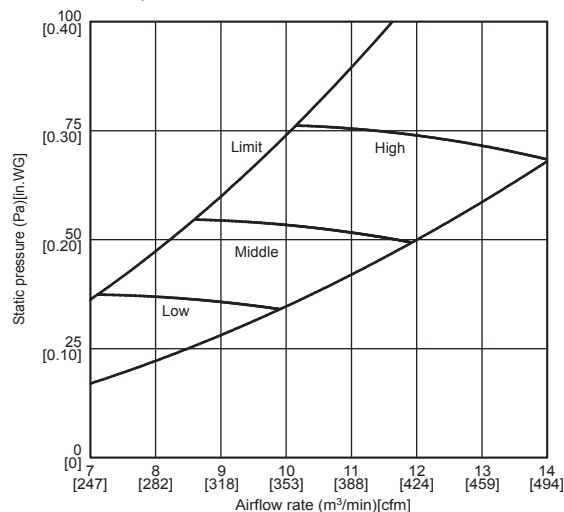
PV FY-P54NAMU-E1

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

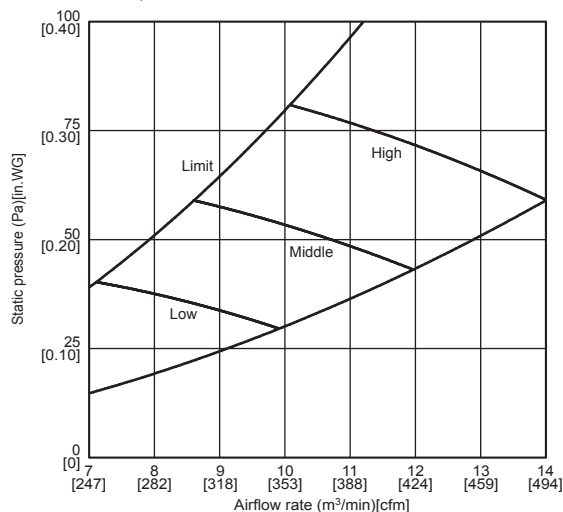


PVFY-P08, 12NAMU-E1

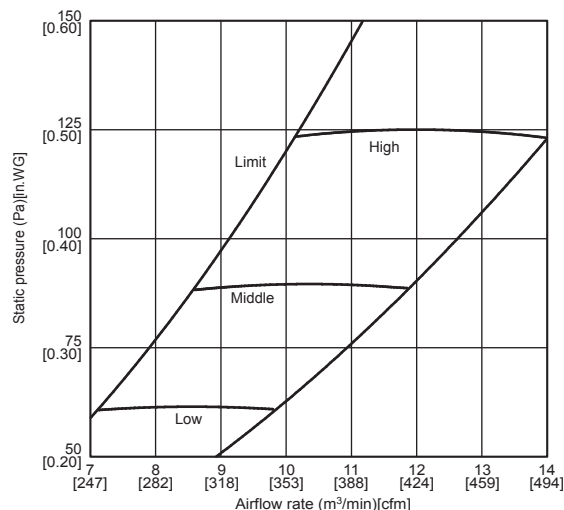
Vertical, Horizontal Right, Horizontal Left
 External static pressure: 75Pa, 0.30[in.WG]
 Power source: 208, 230V 60Hz

**PVFY-P08, 12NAMU-E1**

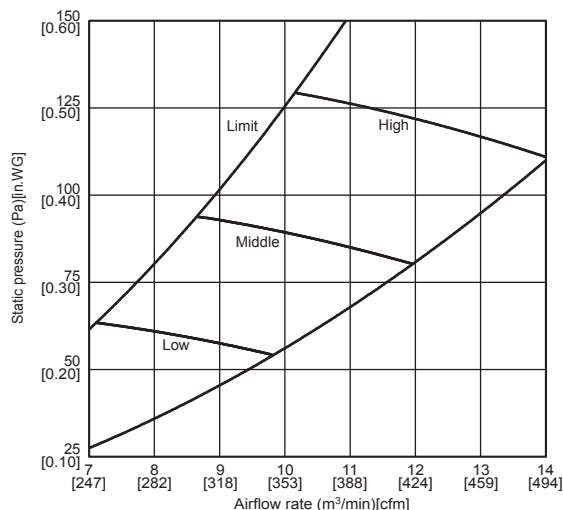
Downflow
 External static pressure: 75Pa, 0.30[in.WG]
 Power source: 208, 230V 60Hz

**PVFY-P08, 12NAMU-E1**

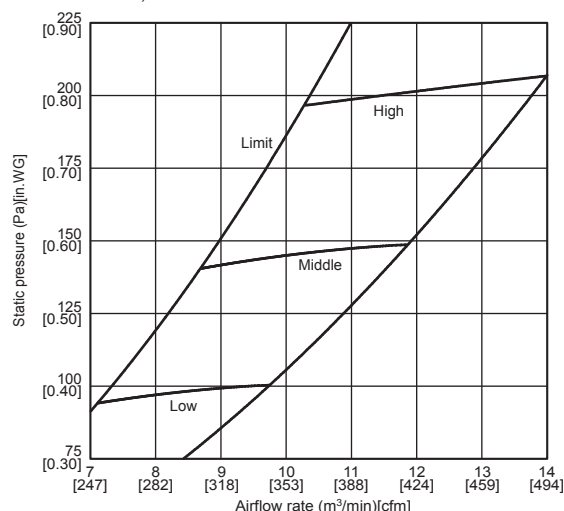
Vertical, Horizontal Right, Horizontal Left
 External static pressure: 125Pa, 0.50[in.WG]
 Power source: 208, 230V 60Hz

**PVFY-P08, 12NAMU-E1**

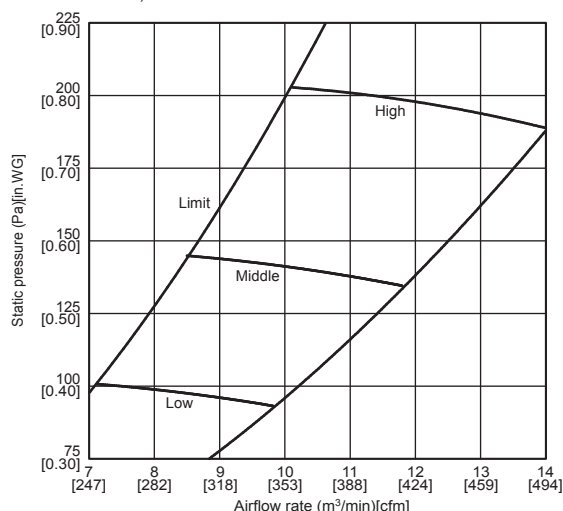
Downflow
 External static pressure: 125Pa, 0.50[in.WG]
 Power source: 208, 230V 60Hz

**PVFY-P08, 12NAMU-E1**

Vertical, Horizontal Right, Horizontal Left
 External static pressure: 200Pa, 0.80[in.WG]
 Power source: 208, 230V 60Hz

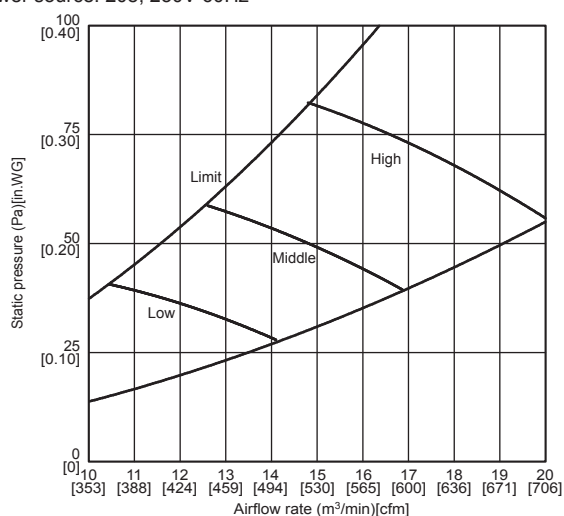
**PVFY-P08, 12NAMU-E1**

Downflow
 External static pressure: 200Pa, 0.80[in.WG]
 Power source: 208, 230V 60Hz

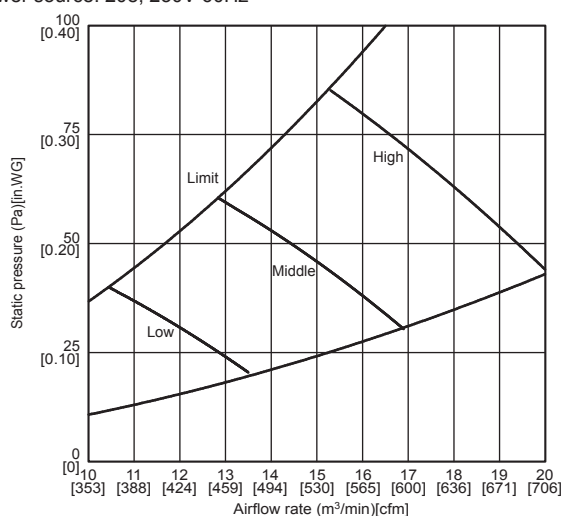


PVFP-P18NAMU-E1

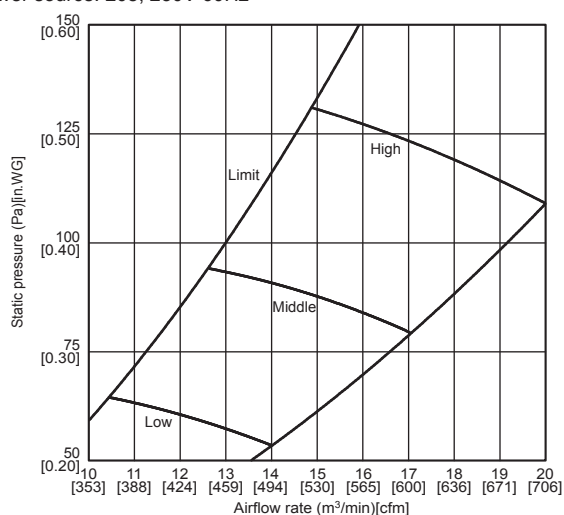
Vertical, Horizontal Right, Horizontal Left
 External static pressure: 75Pa, 0.30[in.WG]
 Power source: 208, 230V 60Hz

**PVFP-P18NAMU-E1**

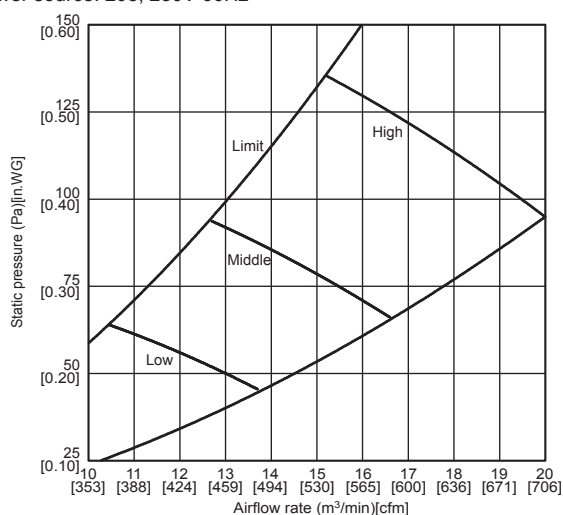
Downflow
 External static pressure: 75Pa, 0.30[in.WG]
 Power source: 208, 230V 60Hz

**PVFP-P18NAMU-E1**

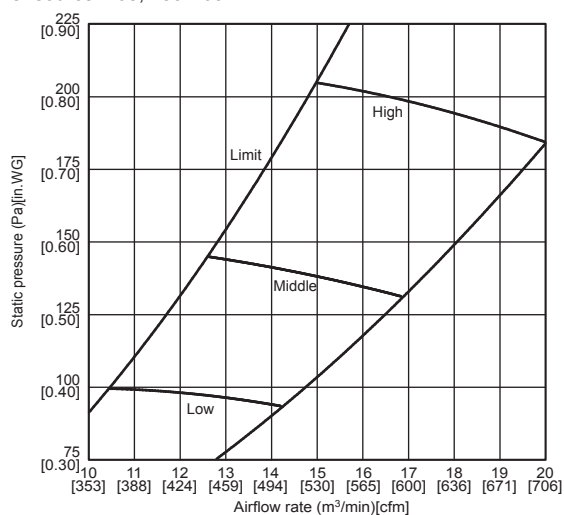
Vertical, Horizontal Right, Horizontal Left
 External static pressure: 125Pa, 0.50[in.WG]
 Power source: 208, 230V 60Hz

**PVFP-P18NAMU-E1**

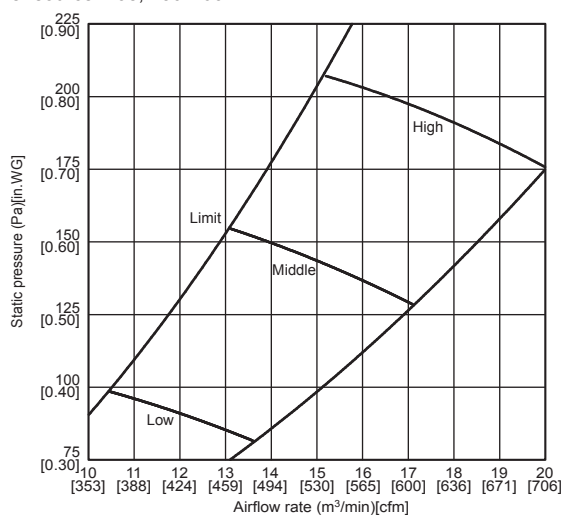
Downflow
 External static pressure: 125Pa, 0.50[in.WG]
 Power source: 208, 230V 60Hz

**PVFP-P18NAMU-E1**

Vertical, Horizontal Right, Horizontal Left
 External static pressure: 200Pa, 0.80[in.WG]
 Power source: 208, 230V 60Hz

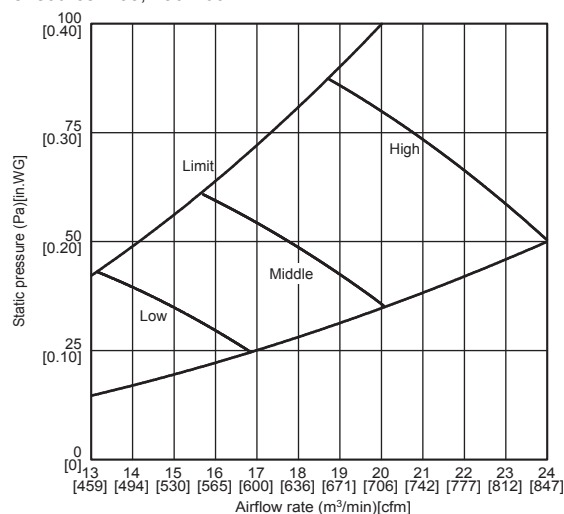
**PVFP-P18NAMU-E1**

Downflow
 External static pressure: 200Pa, 0.80[in.WG]
 Power source: 208, 230V 60Hz

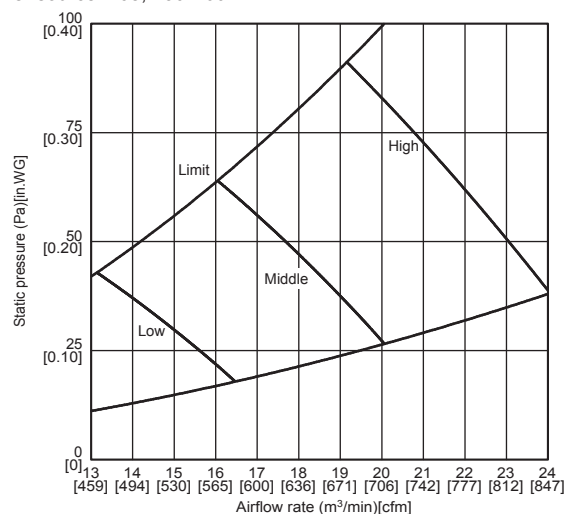


PVFY-P24NAMU-E1

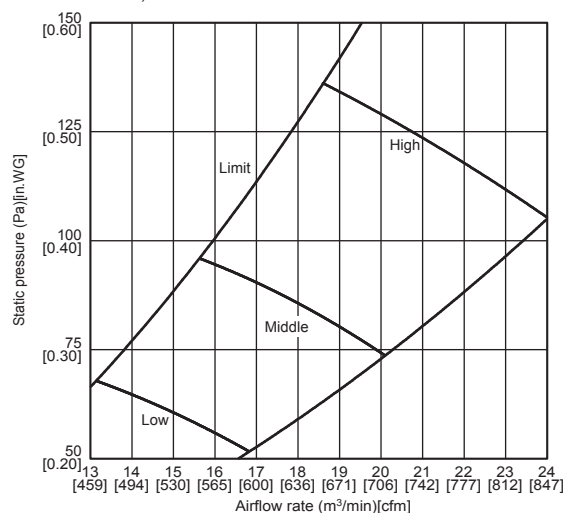
Vertical, Horizontal Right, Horizontal Left
 External static pressure: 75Pa, 0.30[in.WG]
 Power source: 208, 230V 60Hz

**PVFY-P24NAMU-E1**

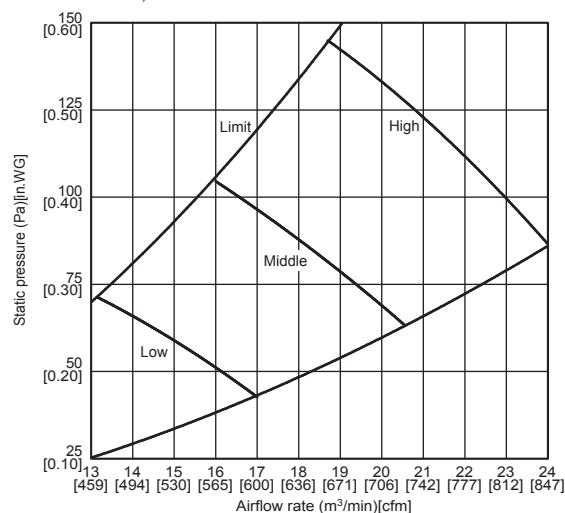
Downflow
 External static pressure: 75Pa, 0.30[in.WG]
 Power source: 208, 230V 60Hz

**PVFY-P24NAMU-E1**

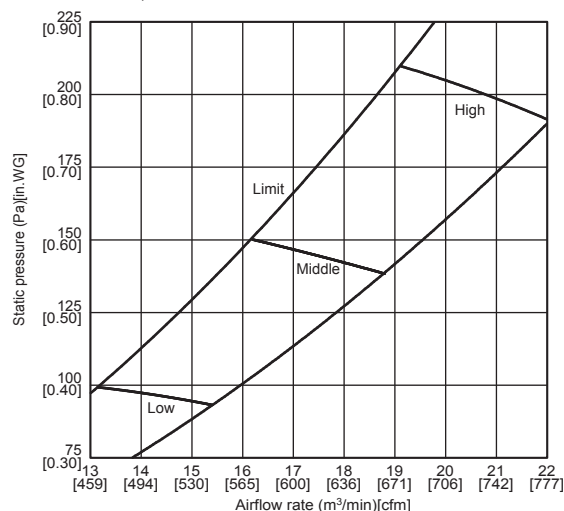
Vertical, Horizontal Right, Horizontal Left
 External static pressure: 125Pa, 0.50[in.WG]
 Power source: 208, 230V 60Hz

**PVFY-P24NAMU-E1**

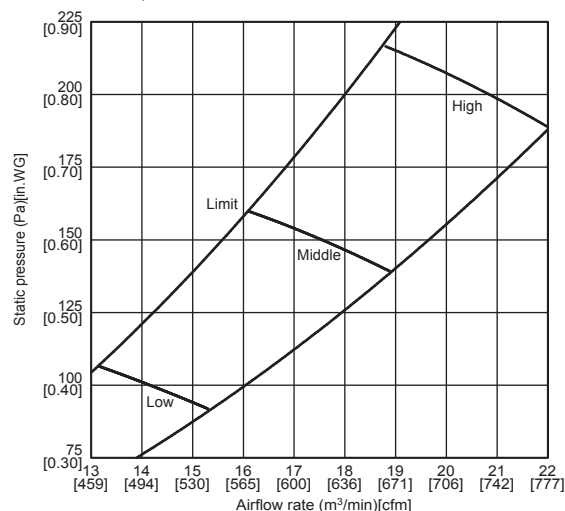
Downflow
 External static pressure: 125Pa, 0.50[in.WG]
 Power source: 208, 230V 60Hz

**PVFY-P24NAMU-E1**

Vertical, Horizontal Right, Horizontal Left
 External static pressure: 200Pa, 0.80[in.WG]
 Power source: 208, 230V 60Hz

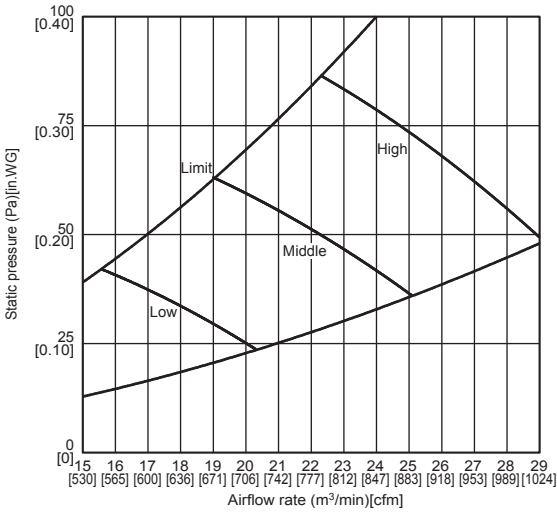
**PVFY-P24NAMU-E1**

Downflow
 External static pressure: 200Pa, 0.80[in.WG]
 Power source: 208, 230V 60Hz



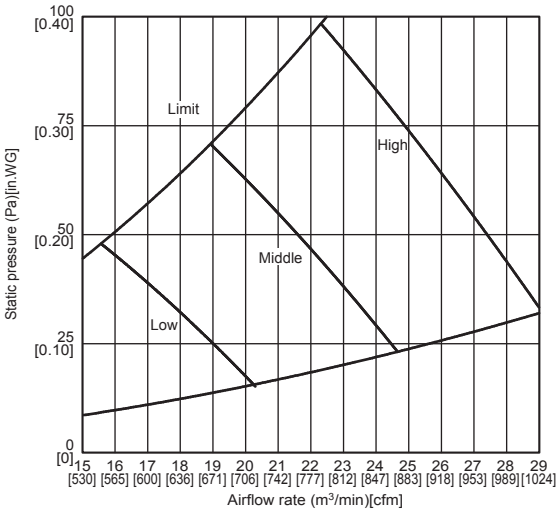
PVFX-P30NAMU-E1

Vertical, Horizontal Right, Horizontal Left
External static pressure: 75Pa, 0.30[in.WG]
Power source: 208, 230V 60Hz



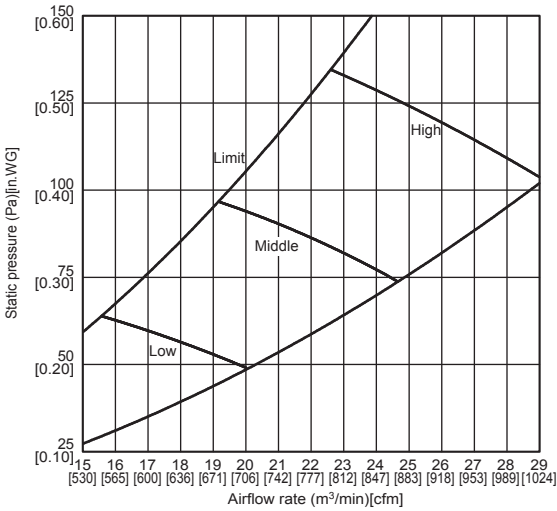
PVFX-P30NAMU-E1

Downflow
External static pressure: 75Pa, 0.30[in.WG]
Power source: 208, 230V 60Hz



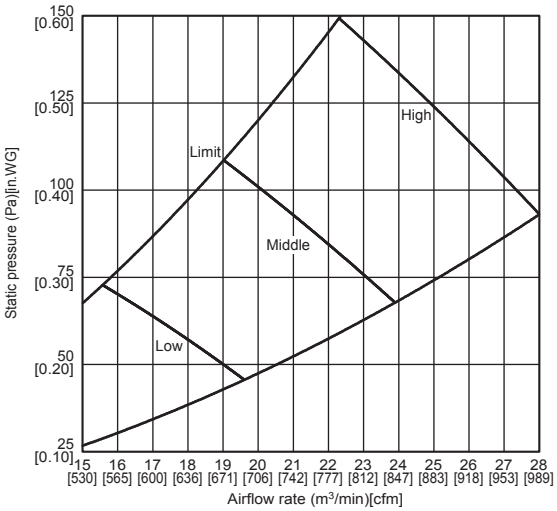
PVFX-P30NAMU-E1

Vertical, Horizontal Right, Horizontal Left
External static pressure: 125Pa, 0.50[in.WG]
Power source: 208, 230V 60Hz



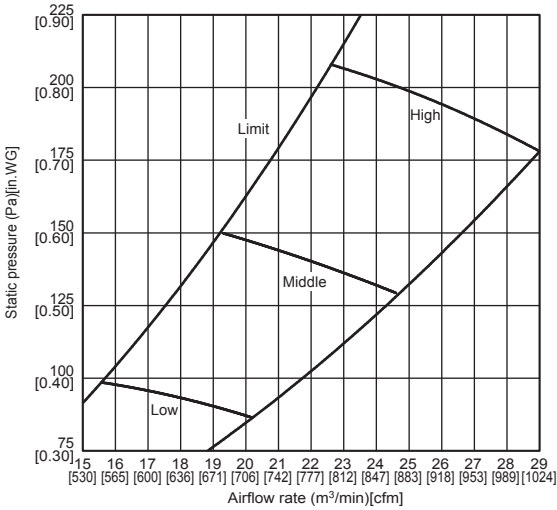
PVFX-P30NAMU-E1

Downflow
External static pressure: 125Pa, 0.50[in.WG]
Power source: 208, 230V 60Hz



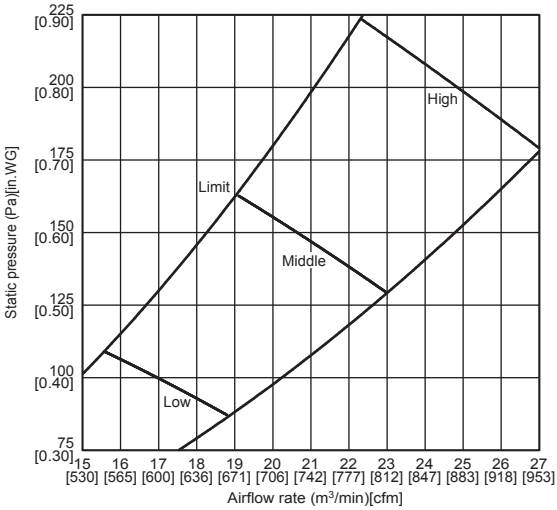
PVFX-P30NAMU-E1

Vertical, Horizontal Right, Horizontal Left
External static pressure: 200Pa, 0.80[in.WG]
Power source: 208, 230V 60Hz



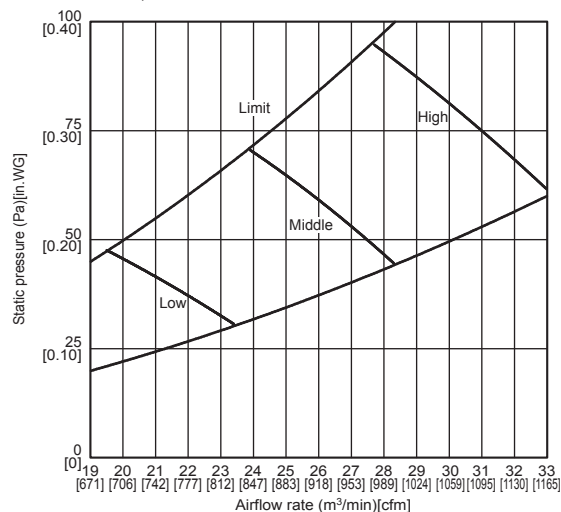
PVFX-P30NAMU-E1

Downflow
External static pressure: 200Pa, 0.80[in.WG]
Power source: 208, 230V 60Hz

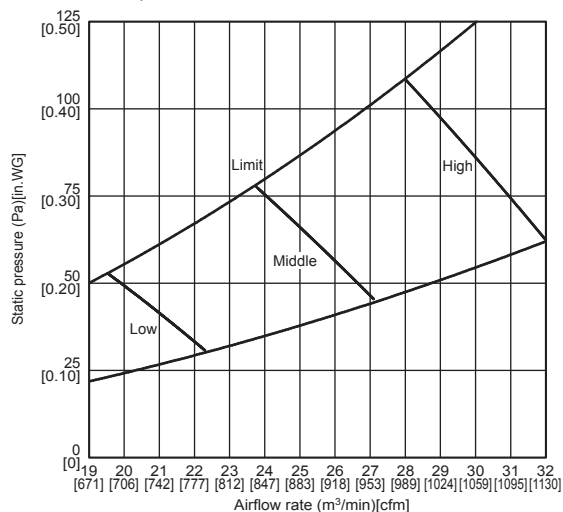


PVFY-P36NAMU-E1

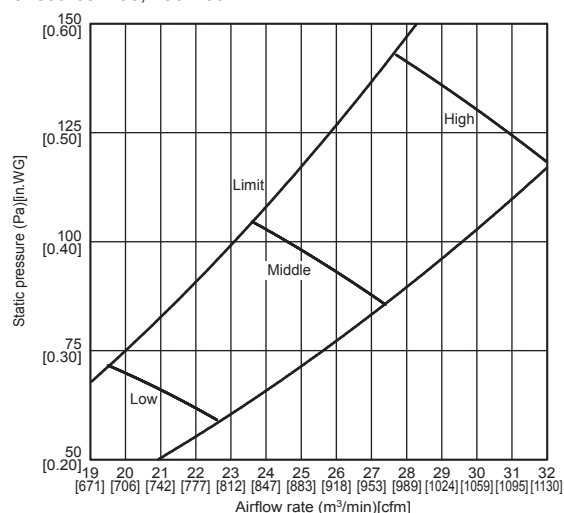
Vertical, Horizontal Right, Horizontal Left
 External static pressure: 75Pa, 0.30[in.WG]
 Power source: 208, 230V 60Hz

**PVFY-P36NAMU-E1**

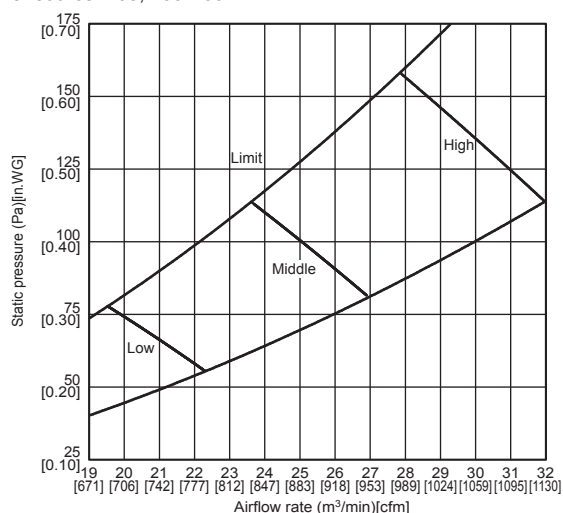
Downflow
 External static pressure: 75Pa, 0.30[in.WG]
 Power source: 208, 230V 60Hz

**PVFY-P36NAMU-E1**

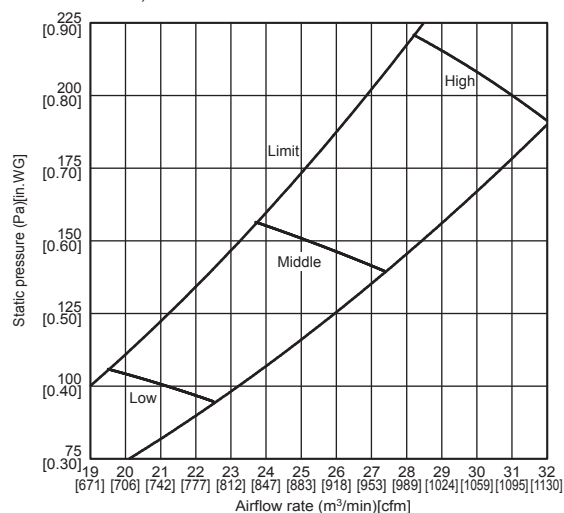
Vertical, Horizontal Right, Horizontal Left
 External static pressure: 125Pa, 0.50[in.WG]
 Power source: 208, 230V 60Hz

**PVFY-P36NAMU-E1**

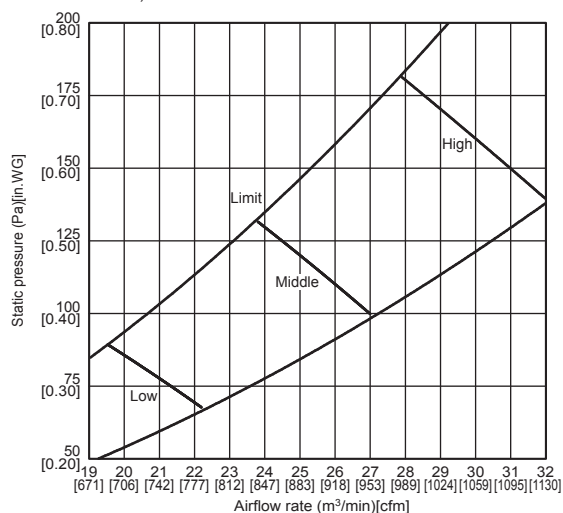
Downflow
 External static pressure: 125Pa, 0.50[in.WG]
 Power source: 208, 230V 60Hz

**PVFY-P36NAMU-E1**

Vertical, Horizontal Right, Horizontal Left
 External static pressure: 200Pa, 0.80[in.WG]
 Power source: 208, 230V 60Hz

**PVFY-P36NAMU-E1**

Downflow
 External static pressure: 150Pa, 0.60[in.WG]
 Power source: 208, 230V 60Hz

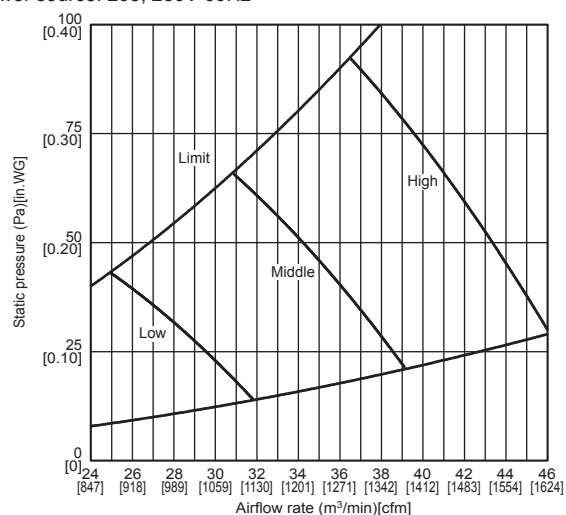


PVFY-P48NAMU-E1

Vertical, Horizontal Right, Horizontal Left

External static pressure: 75Pa, 0.30[in.WG]

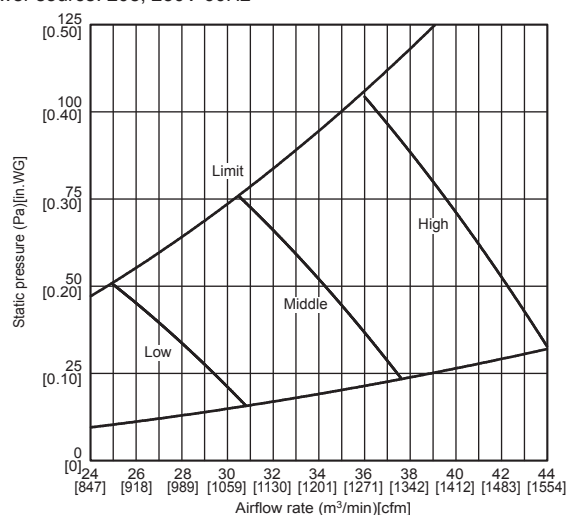
Power source: 208, 230V 60Hz

**PVFY-P48NAMU-E1**

Downflow

External static pressure: 75Pa, 0.30[in.WG]

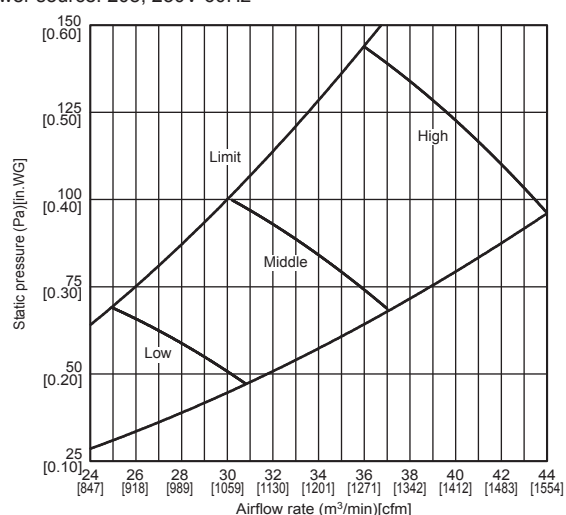
Power source: 208, 230V 60Hz

**PVFY-P48NAMU-E1**

Vertical, Horizontal Right, Horizontal Left

External static pressure: 125Pa, 0.50[in.WG]

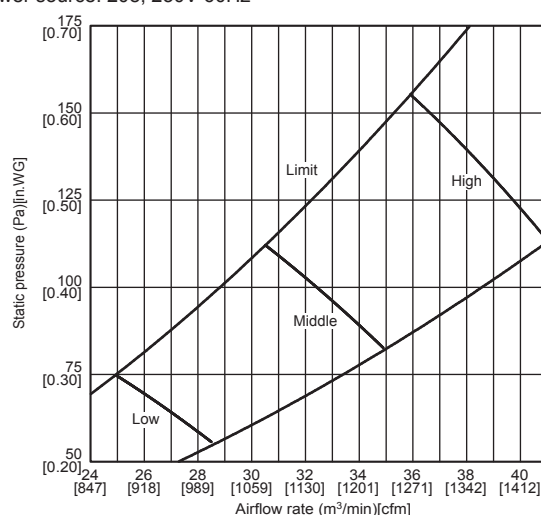
Power source: 208, 230V 60Hz

**PVFY-P48NAMU-E1**

Downflow

External static pressure: 125Pa, 0.50[in.WG]

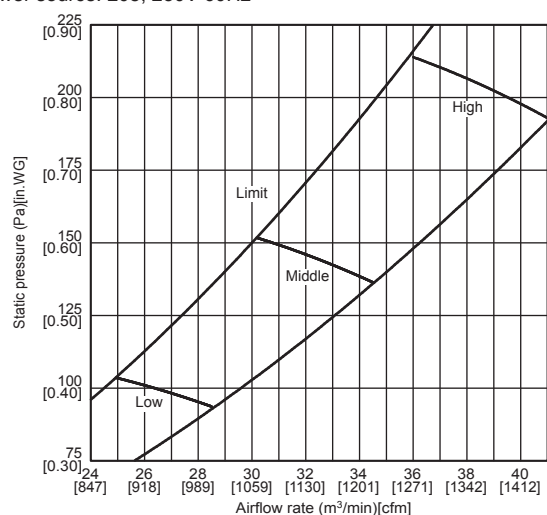
Power source: 208, 230V 60Hz

**PVFY-P48NAMU-E1**

Vertical, Horizontal Right, Horizontal Left

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

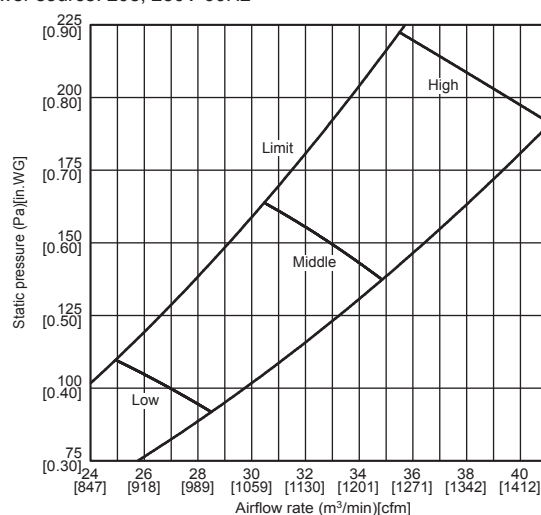
Power source: 208, 230V 60Hz

**PVFY-P48NAMU-E1**

Downflow

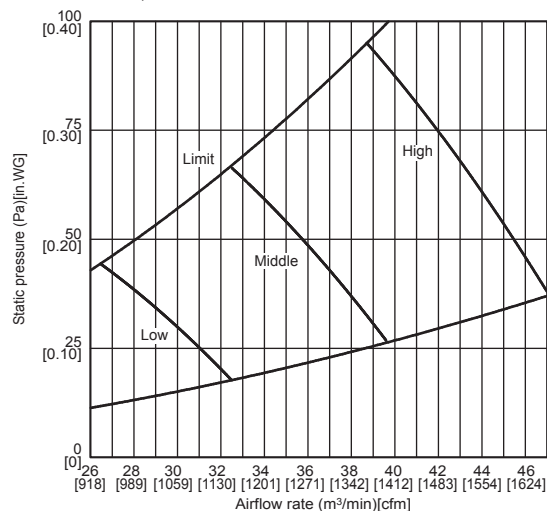
External static pressure: 200Pa, 0.80[in.WG]

Power source: 208, 230V 60Hz

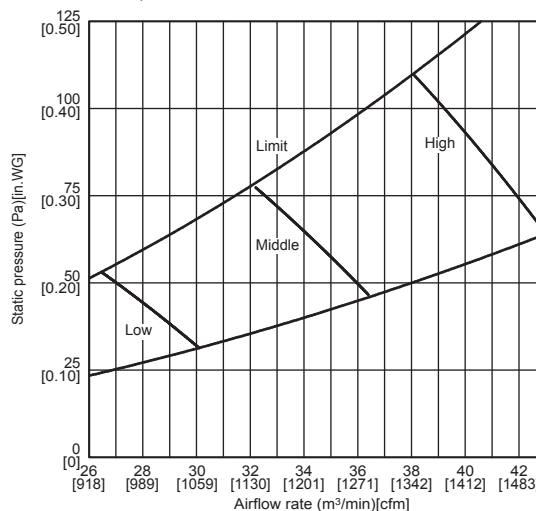


PVFY-P54NAMU-E1

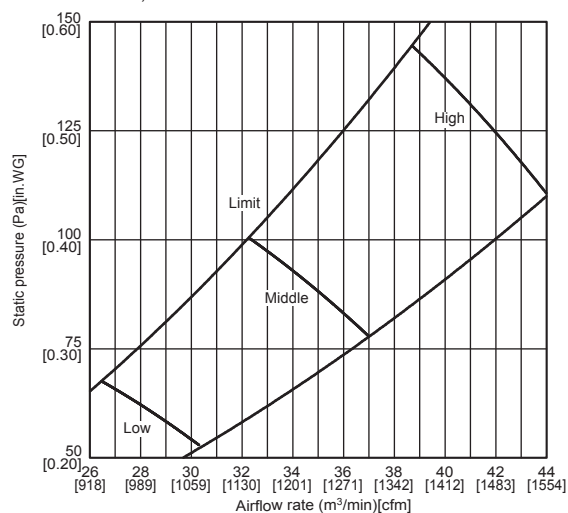
Vertical, Horizontal Right, Horizontal Left
 External static pressure: 75Pa, 0.30[in.WG]
 Power source: 208, 230V 60Hz

**PVFY-P54NAMU-E1**

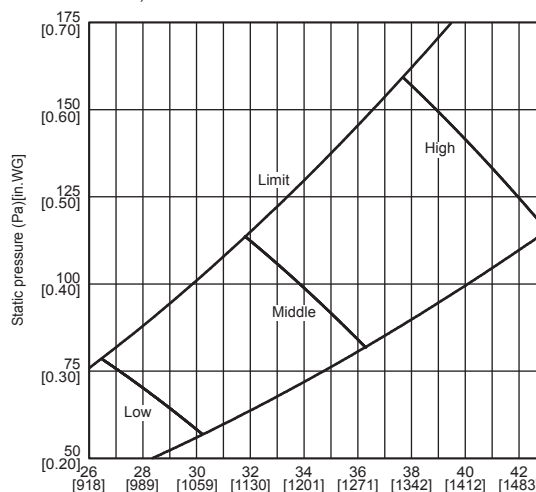
Downflow
 External static pressure: 75Pa, 0.30[in.WG]
 Power source: 208, 230V 60Hz

**PVFY-P54NAMU-E1**

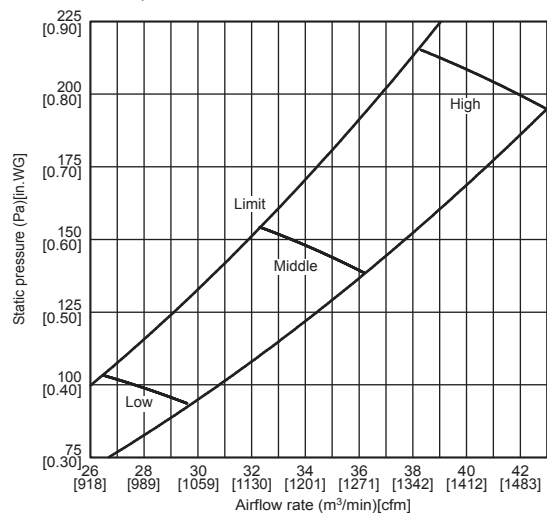
Vertical, Horizontal Right, Horizontal Left
 External static pressure: 125Pa, 0.50[in.WG]
 Power source: 208, 230V 60Hz

**PVFY-P54NAMU-E1**

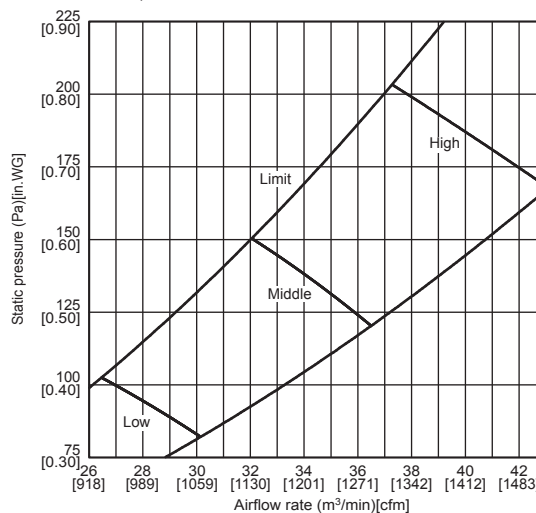
Downflow
 External static pressure: 125Pa, 0.50[in.WG]
 Power source: 208, 230V 60Hz

**PVFY-P54NAMU-E1**

Vertical, Horizontal Right, Horizontal Left
 External static pressure: 200Pa, 0.80[in.WG]
 Power source: 208, 230V 60Hz

**PVFY-P54NAMU-E1**

Downflow
 External static pressure: 175Pa, 0.70[in.WG]
 Power source: 208, 230V 60Hz



PVFX-P-NAMU-E1

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)
PVFX-P08NAMU-E1	60Hz	208/230V	188 to 253V	3.00/3.00	0.121/0.121	2.4/2.4
PVFX-P12NAMU-E1				3.00/3.00	0.121/0.121	2.4/2.4
PVFX-P18NAMU-E1				3.00/3.00	0.121/0.121	2.4/2.4
PVFX-P24NAMU-E1				3.00/3.00	0.121/0.121	2.4/2.4
PVFX-P30NAMU-E1				4.13/4.13	0.244/0.244	3.3/3.3
PVFX-P36NAMU-E1				4.13/4.13	0.244/0.244	3.3/3.3
PVFX-P48NAMU-E1				5.63/5.63	0.430/0.430	4.5/4.5
PVFX-P54NAMU-E1				5.63/5.63	0.430/0.430	4.5/4.5

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

	Long-life filter	Filter box	Drain pump	External heater adapter
PVFY-P08, 12, 18, 24, 30, 36, 48, 54NAMU-E1	—	—	—	PAC-YU25HT

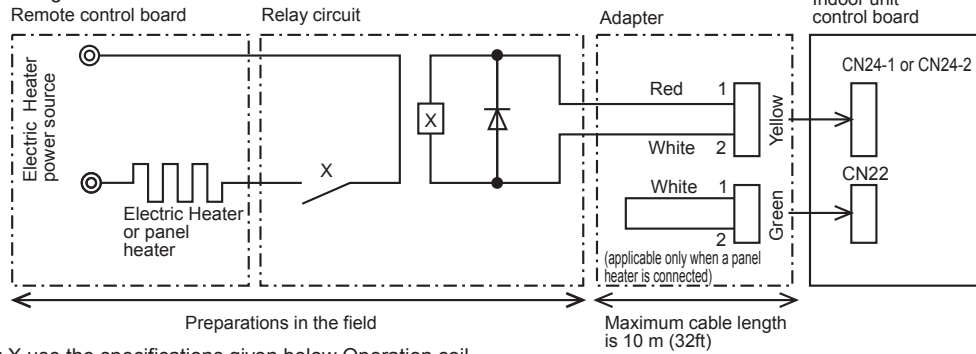
8-2. External heater adapter

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 : 1W 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).

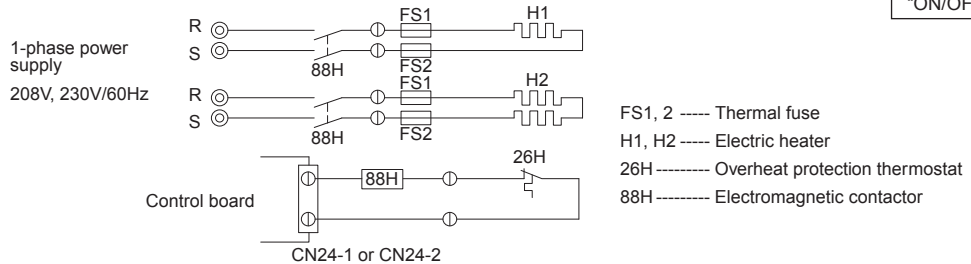
To extend this length, use sheathed 2-core cable.

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



- PUHY, PURY-P-TGMU type
Dip switch SW5-2
"ON/OFF"
- PUHY, PURY-P-THMU/YHMU/TJMU/YJMU type
Dip switch SW5-10
"ON/OFF"
- PUHY, PURY-P-TKMU/YKMU, PUHY, PURY-P-TLMU/YLMU, PURY-HP-TKMU/YKMU type
Dip switch SW4: 932
"ON/OFF"
- PUHY, PURY-P-TNU/YNU, PUHY, PURY-EP-TNU/YNU, PUHY, PURY-HP-TNU/YNU, type
Dip switch SW4: 932
"ON/OFF"
- PUMY series
Dip switch SW4-4
"ON/OFF"

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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