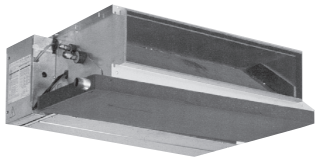
PDFY-P-NMU-E

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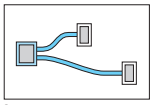
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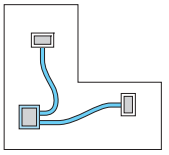
Flexible design allows elegant interior layout, suitable for high class hotels, residential, etc..



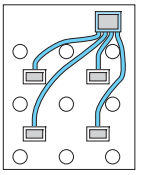
■ **Flexible installation for a variety of layouts**



Long room



L-shaped rooms



Room with fixed ceiling fixtures

■ **Designed to be neither seen nor heard, just to perform**

The PDFY models are high-performance, ceiling-concealed indoor units. In fact, if it weren't for the constantly comfortable environment these units deliver, you would not know they were there. The ducted fan coils are designed to be installed above the ceiling, hidden from public view. And they're extremely quiet, with sound ratings that range from 28 – 46 dB(A). Hidden doesn't mean hard to reach. The PDFY fan coils are extremely easy to access and maintain according to their application. They can be easily customized to your cooling and heating needs. The external static pressure settings are adjustable to meet different application conditions such as the use of a high performance filter.

Ceiling mounted		P06	P08	P12	P15	P18	P24	P27	P30	P36	P48	P54	P72	P96
		0.8HP	1.0HP	1.3HP	1.6HP	2.0HP	2.5HP	2.8HP	3.2HP	4.0HP	5.0HP	5.6HP	8.0HP	10.0HP
Nominal cooling cap.*1	BTU/h	6,000	8,000	12,000	15,000	18,000	24,000	27,000	30,000	36,000	48,000	54,000	72,000	96,000
Nominal heating cap.*2	BTU/h	6,700	9,000	13,500	17,000	20,000	27,000	30,000	34,000	40,000	54,000	60,000	80,000	108,000
PDFY-P-NMU-E		●	●	●	●	●	●	●	●	●	●			

* Nominal conditions *1, *2 are referred to in the Specification sheet.

Model			PDFY-P06NMU-E	PDFY-P08NMU-E	PDFY-P12NMU-E	PDFY-P15NMU-E
Power source			1-phase 208/230 V 60Hz			
Cooling capacity *1		BTU / h	6,000	8,000	12,000	15,000
(Nominal) *1		kW	1.8	2.3	3.5	4.4
	Power input	kW	0.120/0.120	0.120/0.120	0.120/0.120	0.150/0.150
	Current input	A	0.61/0.68	0.61/0.68	0.61/0.68	0.77/0.85
Heating capacity *2		BTU / h	6,700	9,000	13,500	17,000
(Nominal) *2		kW	2.0	2.6	4.0	5.0
	Power input	kW	0.120/0.120	0.120/0.120	0.120/0.120	0.150/0.150
	Current input	A	0.61/0.68	0.61/0.68	0.61/0.68	0.77/0.85
External finish			Galvanized			
External dimension H x W x D		in.	11-5/8 x 27-31/32 x 28-15/16	11-5/8 x 27-31/32 x 28-15/16	11-5/8 x 27-31/32 x 28-15/16	11-5/8 x 37-13/16 x 28-15/16
		mm	295 x 710 x 735	295 x 710 x 735	295 x 710 x 735	295 x 960 x 735
Net weight		lbs (kg)	57 (26)	57 (26)	60 (27)	71 (32)
Heat exchanger			Cross fin(Aluminium fin and copper tube)			
FAN	Type x Quantity		Sirocco fan x 1	Sirocco fan x 1	Sirocco fan x 1	Sirocco fan x 2
	External	in.WG	0.120-0.200-0.321 (208V)	0.120-0.200-0.321 (208V)	0.120-0.200-0.321 (208V)	0.120-0.200-0.321 (208V)
	static pressure	Pa	30-50-80	30-50-80	30-50-80	30-50-80
		in.WG	0.161-0.241-0.401 (230V)	0.161-0.241-0.401 (230V)	0.161-0.241-0.401 (230V)	0.161-0.241-0.401 (230V)
		Pa	40-60-100	40-60-100	40-60-100	40-60-100
	Motor type		1-phase induction motor			
	Motor output	kW	0.075	0.075	0.075	0.085
	Driving mechanism		Direct-driven			
	Airflow rate	cfm	211-229-264-300	211-229-264-300	211-229-264-300	353-388-441-494
	(Low-Mid1-Mid2-High)	m3 / min	6.0-6.5-7.5-8.5	6.0-6.5-7.5-8.5	6.0-6.5-7.5-8.5	10.0-11.0-12.5-14.0
		L / s	100-108-125-142	100-108-125-142	100-108-125-142	167-183-208-233
Sound Pressure Level (Low-Mid1-Mid2-High)		dB <A>	26-28-31-34 (208V)	26-28-31-34 (208V)	26-28-31-34 (208V)	32-34-35-37 (208V)
(measured in anechoic room)		dB <A>	28-30-33-36 (230V)	28-30-33-36 (230V)	28-30-33-36 (230V)	34-36-37-39 (230V)
Insulation material			Polystyrene foam,Polyethylene foam,Urethane foam			
Air filter			Standard filter			
Protection device			Fuse			
Refrigerant control device			LEV			
Connectable outdoor unit			R410A CITY MULTI	R410A CITY MULTI	R410A,R22 CITY MULTI	R410A,R22 CITY MULTI
Diameter of refrigerant pipe (O.D.)	Liquid (R410A)	in. (mm)	1/4 (6.35) Flare	1/4 (6.35) Flare	1/4 (6.35) Flare	1/4 (6.35) Flare
	(R22)		-	-	1/4 (6.35) Flare	1/4 (6.35) Flare
	Gas (R410A)	in. (mm)	1/2 (12.7) Flare	1/2 (12.7) Flare	1/2 (12.7) Flare	1/2 (12.7) Flare
	(R22)		-	-	1/2 (12.7) Flare	1/2 (12.7) Flare
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		W277668			
	Wiring		W660136			
	Refrigerant cycle		-			
Standard attachment	Document		Installation Manual,Installation Book			
	Accessory		Drain hose I.D. 1-1/4inch (32mm)			
Optional parts	Round duct flange		PAC-KD32EDF-F	PAC-KD32EDF-F	PAC-KD32EDF-F	PAC-KD50EDF-F
	Drain pump kit		PAC-KD02DM-FA	PAC-KD02DM-FA	PAC-KD02DM-FA	PAC-KD02DM-FA
	External Heater Adaptor		PAC-YU24HT-F	PAC-YU24HT-F	PAC-YU24HT-F	PAC-YU24HT-F
Remark						
	Installation		Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual.			

Ventilation Air: Providing sufficient ventilation air is an important part of every building design. ASHRAE standard 62 provides the minimum ventilation air requirements. Also check local codes.

Note :	*1 Nominal cooling conditions	*2 Nominal heating conditions
Indoor :	80degF D.B. / 67degF W.B.	70degF D.B.
	(26.7degC D.B. / 19.4degC W.B.)	(21.1degC D.B.)
Outdoor :	95degF D.B.	47degF D.B. / 43degF W.B.
	(35degC D.B.)	(8.3degC D.B. / 6.1degC W.B.)
Pipe length :	25 ft. (7.6 m)	25 ft. (7.6 m)
Level difference :	0 ft. (0 m)	0 ft. (0 m)

*Due to continuing improvement, above specification may be subject to change without notice.

Unit converter
kcal/h = kW x 860
BTU/h = kW x 3,412
cfm = m3/min x 35.31
lbs = kg / 0.4536
*Above specification data is subject to rounding variation.

Ref.: Spec_PDFY-P06-15NMU-E

PDFY-P-NMU-E

1. SPECIFICATIONS

Model			PDFY-P18NMU-E	PDFY-P24NMU-E	PDFY-P27NMU-E	PDFY-P30NMU-E
Power source			1-phase 208/230 V 60Hz			
Cooling capacity *1		BTU / h	18,000	24,000	27,000	30,000
(Nominal) *1		kW	5.3	7.0	7.9	8.8
	Power input	kW	0.150/0.150	0.170/0.170	0.180/0.180	0.210/0.210
	Current input	A	0.77/0.85	0.87/0.96	0.94/1.04	1.07/1.19
Heating capacity *2		BTU / h	20,000	27,000	30,000	34,000
(Nominal) *2		kW	5.9	7.9	8.8	10.0
	Power input	kW	0.150/0.150	0.170/0.170	0.180/0.180	0.210/0.210
	Current input	A	0.77/0.85	0.87/0.96	0.94/1.04	1.07/1.19
External finish			Galvanized			
External dimension H x W x D		in.	11-5/8 x 37-13/16 x 28-15/16	11-5/8 x 45-11/16 x 28-15/16	11-5/8 x 45-11/16 x 28-15/16	11-5/8 x 45-11/16 x 28-15/16
		mm	295 x 960 x 735	295 x 1,160 x 735	295 x 1,160 x 735	295 x 1,160 x 735
Net weight		lbs (kg)	75 (34)	86 (39)	86 (39)	86 (39)
Heat exchanger			Cross fin(Aluminium fin and copper tube)			
FAN	Type x Quantity		Sirocco fan x 2	Sirocco fan x 2	Sirocco fan x 2	Sirocco fan x 2
	External static pressure	in.WG	0.120-0.200-0.321 (208V)	0.120-0.200-0.321 (208V)	0.120-0.200-0.321 (208V)	0.120-0.200-0.401 (208V)
		Pa	30-50-80	30-50-80	30-50-80	30-50-100
		in.WG	0.161-0.241-0.401 (230V)	0.161-0.241-0.401 (230V)	0.161-0.241-0.401 (230V)	0.161-0.241-0.462 (230V)
		Pa	40-60-100	40-60-100	40-60-100	40-60-115
	Motor type		1-phase induction motor			
	Motor output	kW	0.085	0.095	0.095	0.095
	Driving mechanism		Direct-driven			
	Airflow rate	cfm	353-388-441-494	441-494-565-635	477-547-618-689	494-582-653-741
	(Low-Mid1-Mid2-High)	m3 / min	10.0-11.0-12.5-14.0	12.5-14.0-16.0-18.0	13.5-15.5-17.5-19.5	14.0-16.5-18.5-21.0
		L / s	167-183-208-233	208-233-267-300	225-258-292-325	233-275-308-350
Sound Pressure Level (Low-Mid1-Mid2-High)		dB <A>	32-34-35-37 (208V)	28-32-34-37 (208V)	31-35-37-40 (208V)	32-35-38-40 (208V)
(measured in anechoic room)		dB <A>	34-36-37-39 (230V)	30-34-36-39 (230V)	32-36-38-40 (230V)	34-37-40-42 (230V)
Insulation material			Polystyrene foam,Polyethylene foam,Urethane foam			
Air filter			Standard filter			
Protection device			Fuse			
Refrigerant control device			LEV			
Connectable outdoor unit			R410A,R22 CITY MULTI			
Diameter of refrigerant pipe (O.D.)	Liquid (R410A)	in. (mm)	1/4 (6.35) Flare	3/8 (9.52) Flare	3/8 (9.52) Flare	3/8 (9.52) Flare
	(R22)		3/8 (9.52) Flare	3/8 (9.52) Flare	3/8 (9.52) Flare	3/8 (9.52) Flare
	Gas (R410A)	in. (mm)	1/2 (12.7) Flare	5/8 (15.88) Flare	5/8 (15.88) Flare	5/8 (15.88) Flare
	(R22)		5/8 (15.88) Flare	5/8 (15.88) Flare	5/8 (15.88) Flare	5/8 (15.88) Flare
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		W277668			
	Wiring		W660136			
	Refrigerant cycle		-			
Standard attachment	Document		Installation Manual,Installation Book			
	Accessory		Drain hose I.D. 1-1/4inch (32mm)			
Optional parts	Round duct flange		PAC-KD50EDF-F	PAC-KD80EDF-F	PAC-KD80EDF-F	PAC-KD80EDF-F
	Drain pump kit		PAC-KD02DM-FA	PAC-KD02DM-FA	PAC-KD02DM-FA	PAC-KD02DM-FA
	External Heater Adaptor		PAC-YU24HT-F	PAC-YU24HT-F	PAC-YU24HT-F	PAC-YU24HT-F
Remark			Ventilation Air: Providing sufficient ventilation air is an important part of every building design. ASHRAE standard 62 provides the minimum ventilation air requirements. Also check local codes.			
	Installation		Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual.			

Note :	*1 Nominal cooling conditions	*2 Nominal heating conditions
Indoor :	80degF D.B. / 67degF W.B.	70degF D.B.
	(26.7degC D.B. / 19.4degC W.B.)	(21.1degC D.B.)
Outdoor :	95degF D.B.	47degF D.B. / 43degF W.B.
	(35degC D.B.)	(8.3degC D.B. / 6.1degC W.B.)
Pipe length :	25 ft. (7.6 m)	25 ft. (7.6 m)
Level difference :	0 ft. (0 m)	0 ft. (0 m)

*Due to continuing improvement, above specification may be subject to change without notice.

Unit converter
kcal/h = kW x 860
BTU/h = kW x 3,412
cfm = m3/min x 35.31
lbs = kg / 0.4536
*Above specification data is subject to rounding variation.

Ref.: Spec_PDFY-P18-30NMU-E

Model			PDFY-P36NMU-E	PDFY-P48NMU-E		
Power source			1-phase 208/230 V 60Hz			
Cooling capacity *1		BTU / h	36,000	48,000		
(Nominal) *1		kW	10.6	14.1		
	Power input	kW	0.290/0.290	0.390/0.390		
	Current input	A	1.48/1.64	1.99/2.21		
Heating capacity *2		BTU / h	40,000	54,000		
(Nominal) *2		kW	11.7	15.8		
	Power input	kW	0.290/0.290	0.390/0.390		
	Current input	A	1.48/1.64	1.99/2.21		
External finish			Galvanized			
External dimension H x W x D		in.	13-7/32 x 59-15/32 x 30-17/32	13-7/32 x 59-15/32 x 30-17/32		
		mm	335 x 1,510 x 775	335 x 1,510 x 775		
Net weight		lbs (kg)	115 (52)	115 (52)		
Heat exchanger			Cross fin(Aluminium fin and copper tube)			
FAN	Type x Quantity		Sirocco fan x 2	Sirocco fan x 2		
	External	in.WG	0.200-0.401-0.522 (208V)	0.200-0.401-0.522 (208V)		
	static pressure	Pa	50-100-130	50-100-130		
		in.WG	0.241-0.462-0.602 (230V)	0.241-0.462-0.602 (230V)		
		Pa	60-115-150	60-115-150		
	Motor type		1-phase induction motor			
	Motor output	kW	0.140	0.190		
	Driving mechanism		Direct-driven			
	Airflow rate	cfm	688-988	847-1,200		
	(Low-High)	m3 / min	19.5-28.0	24.0-34.0		
		L / s	325-467	400-567		
Sound Pressure Level (Low-High)		dB <A>	36-44 (208V)	42-46 (208V)		
(measured in anechoic room)		dB <A>	38-45 (230V)	43-47 (230V)		
Insulation material			Polystyrene foam,Polyethylene foam,Urethane foam			
Air filter			Standard filter			
Protection device			Fuse			
Refrigerant control device			LEV			
Connectable outdoor unit			R410A,R22 CITY MULTI			
Diameter of refrigerant pipe (O.D.)	Liquid (R410A)	in. (mm)	3/8 (9.52) Flare	3/8 (9.52) Flare		
	(R22)		3/8 (9.52) Flare	3/8 (9.52) Flare		
	Gas (R410A)	in. (mm)	5/8 (15.88) Flare	5/8 (15.88) Flare		
	(R22)		3/4 (19.05) Flare	3/4 (19.05) Flare		
Field drain pipe size		in. (mm)	O.D. 1-1/4 (32)	O.D. 1-1/4 (32)		
Drawing	External		W277669			
	Wiring		W660135			
	Refrigerant cycle		-			
Standard attachment	Document		Installation Manual,Installation Book			
	Accessory		Drain hose I.D. 1-1/4inch (32mm)			
Optional parts	Round duct flange		PAC-KD125EDF-F	PAC-KD125EDF-F		
	Drain pump kit		PAC-KD02DM-FA	PAC-KD02DM-FA		
	External Heater Adaptor		PAC-YU24HT-F	PAC-YU24HT-F		
Remark						
	Installation		Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual.			

Ventilation Air: Providing sufficient ventilation air is an important part of every building design. ASHRAE standard 62 provides the minimum ventilation air requirements. Also check local codes.

Note :	*1 Nominal cooling conditions	*2 Nominal heating conditions
Indoor :	80degF D.B. / 67degF W.B.	70degF D.B.
	(26.7degC D.B. / 19.4degC W.B.)	(21.1degC D.B.)
Outdoor :	95degF D.B.	47degF D.B. / 43degF W.B.
	(35degC D.B.)	(8.3degC D.B. / 6.1degC W.B.)
Pipe length :	25 ft. (7.6 m)	25 ft. (7.6 m)
Level difference :	0 ft. (0 m)	0 ft. (0 m)

*Due to continuing improvement, above specification may be subject to change without notice.

Unit converter
kcal/h = kW x 860
BTU/h = kW x 3,412
cfm = m3/min x 35.31
lbs = kg / 0.4536
*Above specification data is subject to rounding variation.

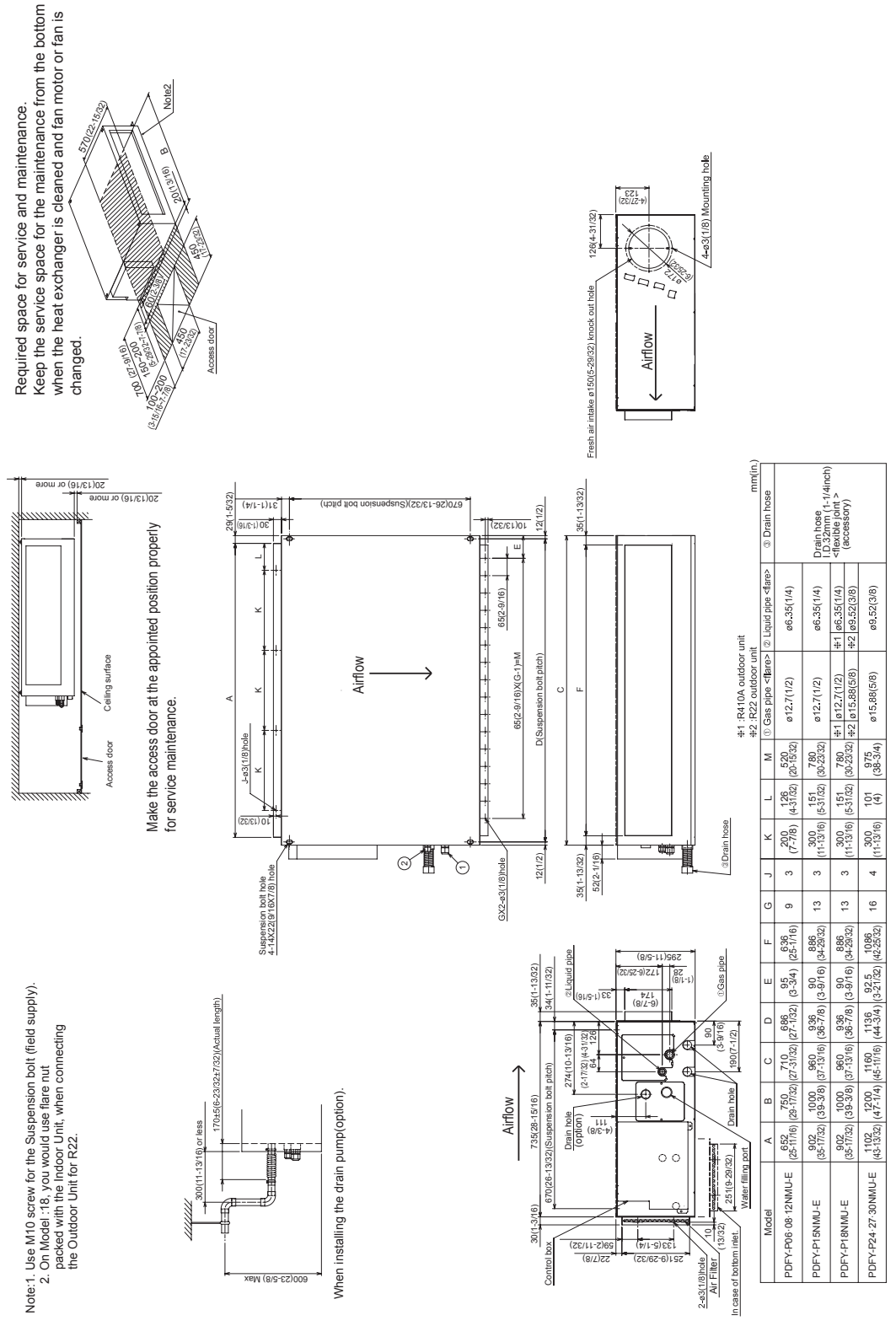
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PDFY-P-NMU-E

PDFY-P-NMU-E

PDFY-P06,08,12,15,18,24,27,30NMU-E

Drw. : IU-W277668
Unit : mm(in)



mm(in.)

Model	A	B	C	D	E	F	G	J	K	L	M	① Gas pipe <flare>	② Liquid pipe <flare>	③ Drain hose
PDFY-P06·08·12NMU-E	652 (25-11/16)	750 (29-17/32)	710 (27-31/32)	686 (27-1/32)	95 (3-3/4)	636 (25-1/16)	9	3	200 (7-7/8)	126 (4-31/32)	520 (20-15/32)	ø12.7(1/2)	ø6.35(1/4)	Drain hose I.D.32mm (1-1/4inch) <Field supply> (accessory)
PDFY-P15NMU-E	902 (35-17/32)	1000 (39-3/8)	960 (37-13/16)	936 (36-7/8)	90 (3-9/16)	886 (34-29/32)	13	3	300 (11-13/16)	151 (5-31/32)	780 (30-23/32)	ø12.7(1/2)	ø6.35(1/4)	
PDFY-P18NMU-E	902 (35-17/32)	1000 (39-3/8)	960 (37-13/16)	936 (36-7/8)	90 (3-9/16)	886 (34-29/32)	13	3	300 (11-13/16)	151 (5-31/32)	780 (30-23/32)	‡1 ø12.7(1/2) ‡2 ø15.88(5/8)	‡1 ø6.35(1/4) ‡2 ø9.52(3/8)	
PDFY-P24 ·27 ·30NMU-E	1102 (43-13/32)	1200 (47-1/4)	1160 (45-11/16)	1136 (44-3/4)	92.5 (3-21/32)	1086 (42-25/32)	16	4	300 (11-13/16)	101 (4)	975 (38-3/4)	ø15.88(5/8)	ø9.52(3/8)	

‡1 :R410A outdoor unit
‡2 :R22 outdoor unit

PDFY-P36,48NMU-E

Drw. : IU-W277669
Unit : mm(in)

※1:R410A outdoor unit
※2:R22 outdoor unit

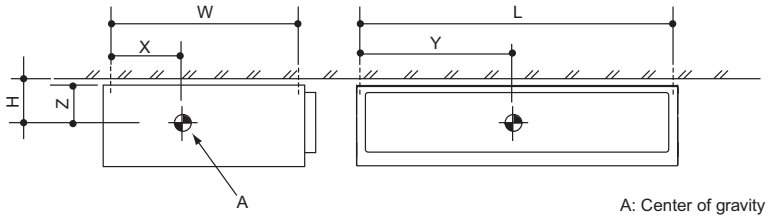
mm(in.)

Model	①Gas pipe <flare>		②Liquid pipe <flare>	③Drain hose
PDFY-P36NMU-E	※1	ø15.88(5/8)	ø9.52(3/8)	Drain hose I.D.32mm (1-1/4inch) <flexible joint> (accessory)
	※2	ø19.05(3/4)		
PDFY-P48NMU-E	※1	ø15.88(5/8)	ø9.52(3/8)	
	※2	ø19.05(3/4)		

PDFY-P-NMU-E

PDFY-P06,08,12,15,18,24,27,30,36,48NMU-E

Ref.: PDFY_NMU_COG_USDB_ALL



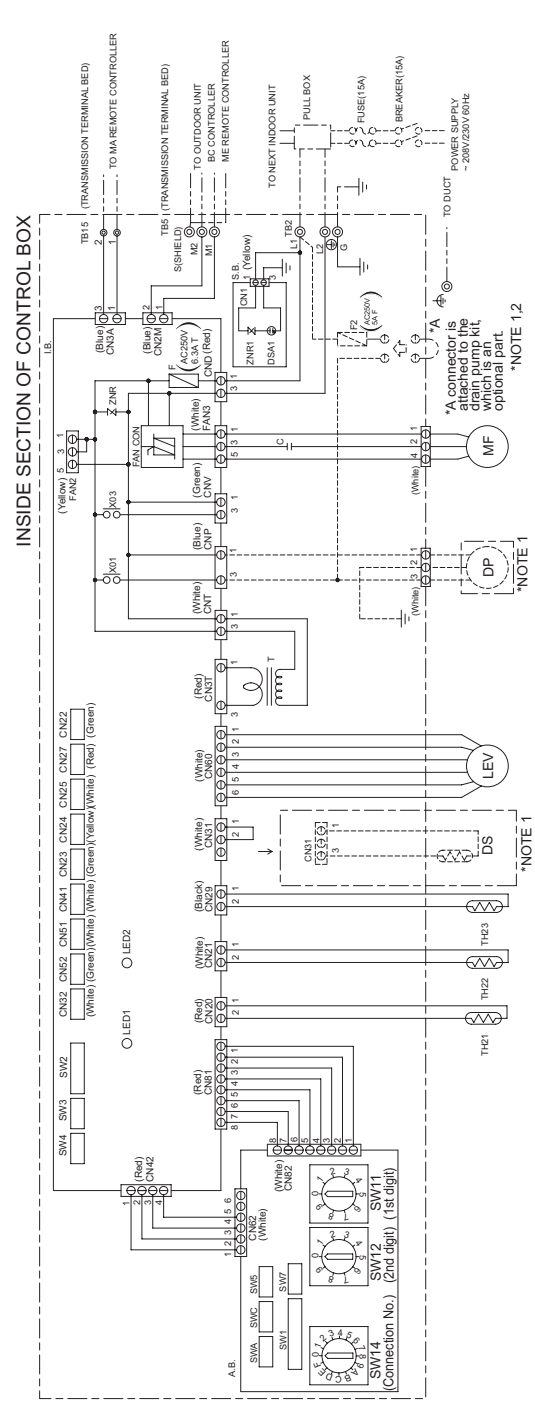
A: Center of gravity

(mm)[in]

Model name	W	L	H	X	Y	Z
PDFY-P06NMU-E	670 [26-13/32]	686 [27-1/32]	148 [5-27/32]	285 [11-1/4]	343 [13-17/32]	128 [5-1/16]
PDFY-P08NMU-E	670 [26-13/32]	686 [27-1/32]	148 [5-27/32]	285 [11-1/4]	343 [13-17/32]	128 [5-1/16]
PDFY-P12NMU-E	670 [26-13/32]	686 [27-1/32]	148 [5-27/32]	285 [11-1/4]	343 [13-17/32]	128 [5-1/16]
PDFY-P15NMU-E	670 [26-13/32]	936 [36-7/8]	148 [5-27/32]	285 [11-1/4]	468 [18-7/16]	128 [5-1/16]
PDFY-P18NMU-E	670 [26-13/32]	936 [36-7/8]	148 [5-27/32]	285 [11-1/4]	468 [18-7/16]	128 [5-1/16]
PDFY-P24NMU-E	670 [26-13/32]	1136 [44-3/4]	148 [5-27/32]	285 [11-1/4]	568 [22-3/8]	128 [5-1/16]
PDFY-P27NMU-E	670 [26-13/32]	1136 [44-3/4]	148 [5-27/32]	285 [11-1/4]	568 [22-3/8]	128 [5-1/16]
PDFY-P30NMU-E	670 [26-13/32]	1136 [44-3/4]	148 [5-27/32]	285 [11-1/4]	568 [22-3/8]	128 [5-1/16]
PDFY-P36NMU-E	710 [27-31/32]	1486 [58-17/32]	168 [6-5/8]	305 [12-1/32]	743 [29-9/32]	148 [5-27/32]
PDFY-P48NMU-E	710 [27-31/32]	1486 [58-17/32]	168 [6-5/8]	305 [12-1/32]	743 [29-9/32]	148 [5-27/32]

PDFY-P06,08,12,15,18,24,27,30NMU-E

Drw. : IU-W660136



NOTE:1.The part of the broken line indicates the circuit for optional parts.
2.*A in the chart is the connector for a drain pump test run operation.
(The Drain Pump operates continuously if the connector is inserted and the power is supplied.)
After the test run, make sure to remove the *A connector.
3.The wirings to TB2,TB5,TB15 shown in chained line are field work.
4.Mark ⓞ indicates terminal bed,⊖connector, ▯board insertion connector or fastening connector of control board.

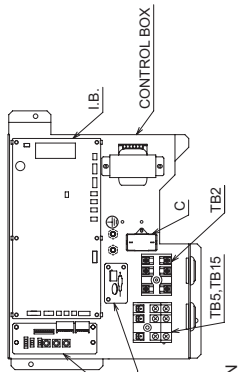
SYMBOL EXPLANATION

SYMBOL	NAME
MF	Fan motor
C	Capacitor (for MF)
I.B.	Indoor controller board
A.B.	Address board
TB2	Power source terminal bed
TB5	Transmission terminal bed
TB15	Transmission terminal bed
F	Fuse AC250V 6.3A T
<F2>	Fuse AC250V 5A F
T	Transformer
<DP>	Drain pump
<DS>	Drain sensor
LEV	Electronic linear expan. valve
ZNR,ZNR1	Varistor

SYMBOL	NAME
TH21	Thermistor (inlet temp.detection)
TH22	Thermistor (piping temp.detection/liquid)
TH23	Thermistor (piping temp.detection/gas)
LED1	Power supply (I.B.)
LED2	Power supply (Remote controller)
CNV	Connector
CN22	Connector
CN23	Connector
CN24	Connector
CN25	Connector
CN27	Connector
CN32	Connector (Centrally control)
CN41	Connector (HA terminal-A)
CN51	Connector (Centrally control)
CN52	Connector (Remote indication)

SYMBOL	NAME
X01,X03	Aux.relay
S.B.	Surge absorber board
SWA(A.B.)	Switch (optional parts)
SWC(A.B.)	Switch (optional parts)
SW11(A.B.)	Switch (1st digit address set)
SW12(A.B.)	Switch (2nd digit address set)
SW14(A.B.)	Switch (connection No.set)
SW1(A.B.)	Switch(for mode selection)
SW5(A.B.)	Switch(for voltage selection)
SW7(A.B.)	Switch(for model selection)
SW2(I.B.)	Switch(for capacity code)
SW3(I.B.)	Switch(for mode selection)
SW4(I.B.)	Switch(for model selection)

Inside < > is the optional parts.



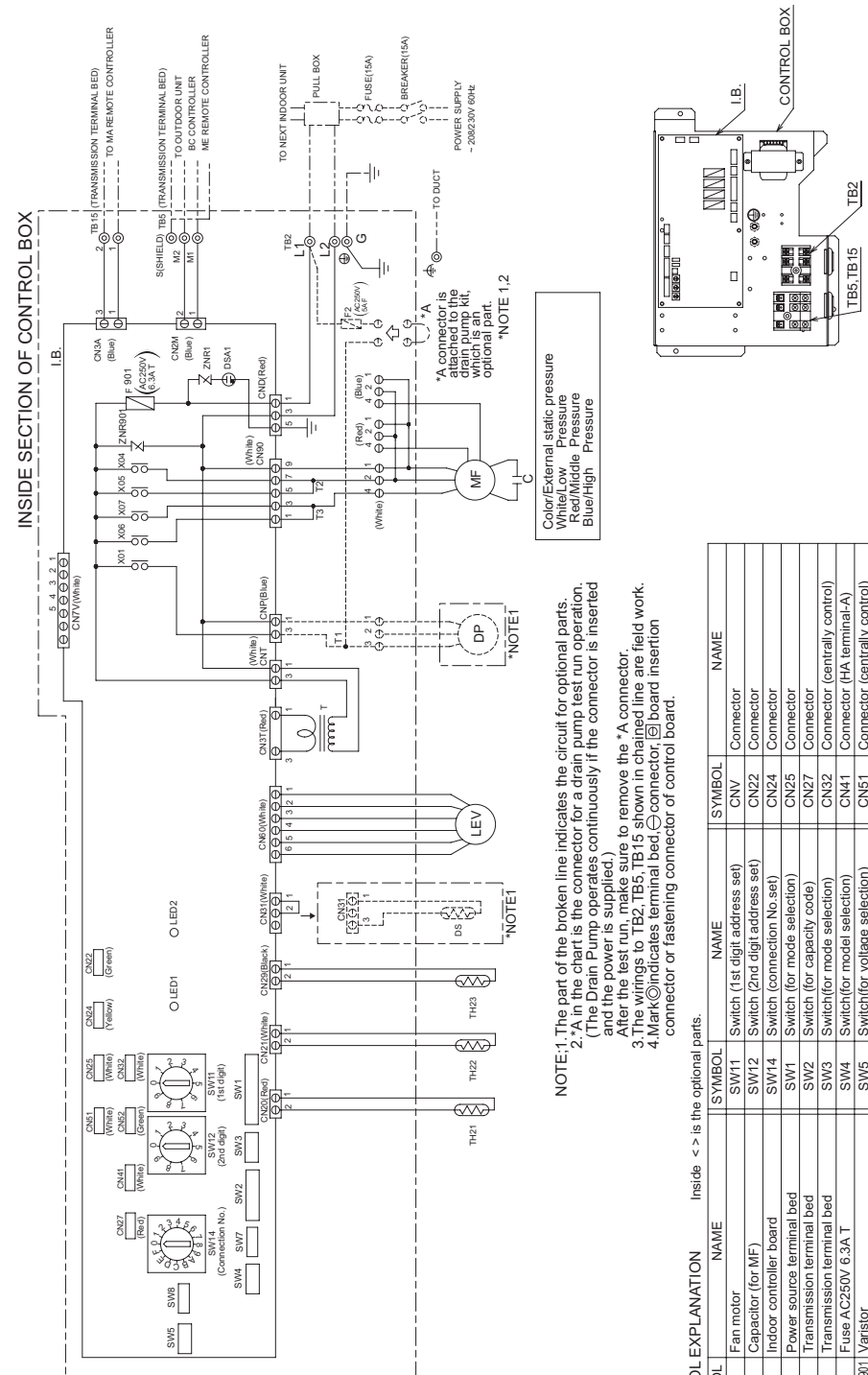
PARTS LOCATION

PDFY-P-NMU-E

PDFY-P-NMU-E

PDFY-P36,48NMU-E

Drw. : IU-W660135



NOTE:1.The part of the broken line indicates the circuit for optional parts.
2.*A in the chart is the connector for a drain pump test run operation.
(The Drain Pump operates continuously if the connector is inserted and the power is supplied.)
After the test run, make sure to remove the *A connector.
3.The wirings to TB2, TB5, TB15 shown in chained line are field work.
4.Mark◎indicates terminal bed,⊖connector,▯board insertion connector or fastening connector of control board.

SYMBOL EXPLANATION Inside < > is the optional parts.

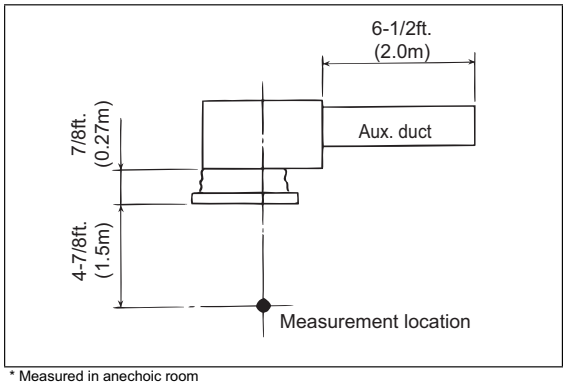
SYMBOL	NAME
MF	Fan motor
C	Capacitor (for MF)
I.B.	Indoor controller board
TB2	Power source terminal bed
TB5	Transmission terminal bed
TB15	Transmission terminal bed
F901	Fuse AC250V 6.3A T
ZNR1,ZNR901	Varistor
T	Transformer
LEV	Electronic linear expan. valve
TH21	Thermistor (inlet temp.detection)
TH22	Thermistor (piping temp.detection/liquid)
TH23	Thermistor (piping temp.detection/gas)

SYMBOL	NAME
SW11	Switch (1st digit address set)
SW12	Switch (2nd digit address set)
SW14	Switch (connection No.set)
SW1	Switch (for mode selection)
SW2	Switch (for capacity code)
SW3	Switch(for mode selection)
SW4	Switch(for model selection)
SW5	Switch(for voltage selection)
SW7	Switch(for model selection)
SW8	Switch(for mode selection 3)
X01,X04~X07	Aux.relay
<T1>,T2,T3	Terminal

SYMBOL	NAME
CNV	Connector
CN22	Connector
CN24	Connector
CN25	Connector
CN27	Connector
CN32	Connector (centrally control)
CN41	Connector (HA terminal-A)
CN51	Connector (centrally control)
CN52	Connector (remote indication)
LED1	Power supply (I.B.)
LED2	Power supply (Remote controller)
<DP>	Drain pump
<DS>	Drain sensor
<F2>	Fuse AC250V 5A F

5-1. Sound Pressure Levels

PDFY-P-NMU-E



* Measured in anechoic room

Operating sound pressure levels
(Low - (Middle2 - Middle1) - High)
Unit : dB (A)

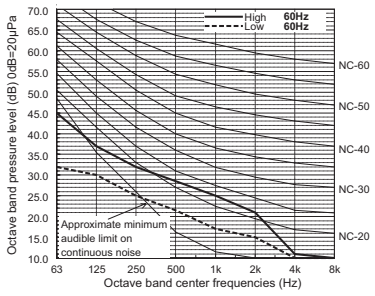
Model		Sound pressure level (A weighted)
PDFY-P06,P08,P12NMU-E	208V	26 - 28 - 31 - 34
	230V	28 - 30 - 33 - 36
PDFY-P15,P18NMU-E	208V	32 - 34 - 35 - 37
	230V	34 - 36 - 37 - 39
PDFY-P24NMU-E	208V	28 - 32 - 34 - 37
	230V	30 - 34 - 36 - 39
PDFY-P27NMU-E	208V	31 - 35 - 37 - 40
	230V	32 - 36 - 38 - 40
PDFY-P30NMU-E	208V	32 - 35 - 38 - 40
	230V	34 - 37 - 40 - 42
PDFY-P36NMU-E	208V	36 - 44
	230V	38 - 45
PDFY-P48NMU-E	208V	42 - 46
	230V	43 - 47

PDFY-P-NMU-E

5-2. NC Curves

PDFY-P06,08,12NMU-E

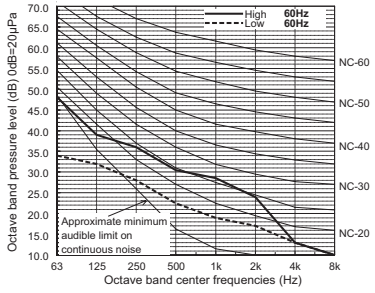
External Static Pressure: 30Pa
Power Source: 208V 60Hz



Ref.:NC_PDFY-P06,08,12NMU-E_WYN B0-4401-1

PDFY-P06,08,12NMU-E

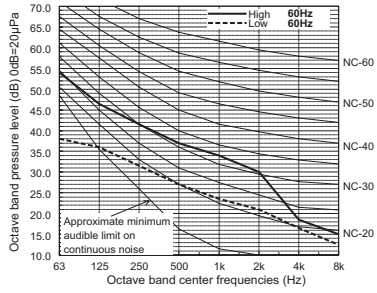
External Static Pressure: 50Pa
Power Source: 208V 60Hz



Ref.:NC_PDFY-P06,08,12NMU-E_WYN B0-4401-2

PDFY-P06,08,12NMU-E

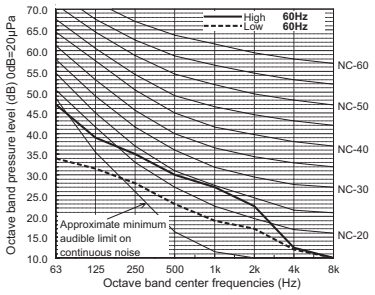
External Static Pressure: 80Pa
Power Source: 208V 60Hz



Ref.:NC_PDFY-P06,08,12NMU-E_WYN B0-4401-3

PDFY-P06,08,12NMU-E

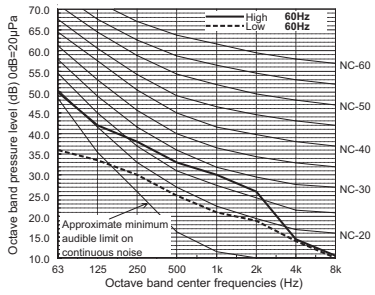
External Static Pressure: 40Pa
Power Source: 230V 60Hz



Ref.:NC_PDFY-P06,08,12NMU-E_WYN B0-4401-4

PDFY-P06,08,12NMU-E

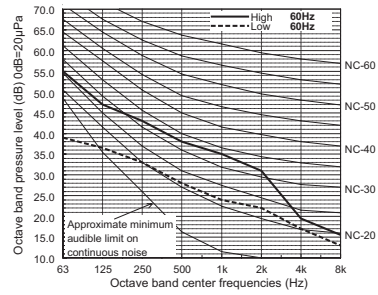
External Static Pressure: 60Pa
Power Source: 230V 60Hz



Ref.:NC_PDFY-P06,08,12NMU-E_WYN B0-4401-5

PDFY-P06,08,12NMU-E

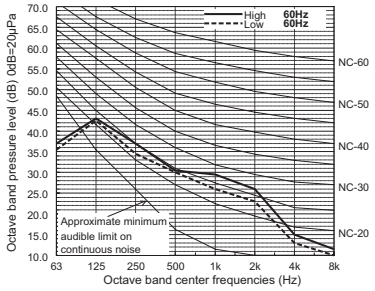
External Static Pressure: 100Pa
Power Source: 230V 60Hz



Ref.:NC_PDFY-P06,08,12NMU-E_WYN B0-4401-6

PDFY-P15,18NMU-E

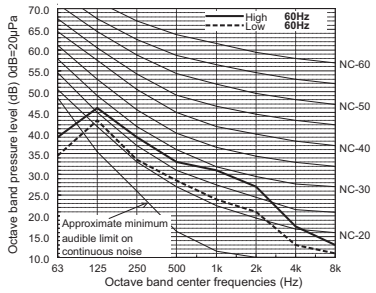
External Static Pressure: 30Pa
Power Source: 208V 60Hz



Ref.:NC_PDFY-P15,18NMU-E_WYN B0-4402-1

PDFY-P15,18NMU-E

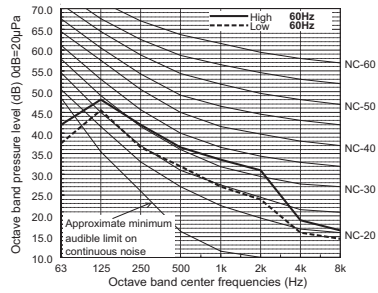
External Static Pressure: 50Pa
Power Source: 208V 60Hz



Ref.:NC_PDFY-P15,18NMU-E_WYN B0-4402-2

PDFY-P15,18NMU-E

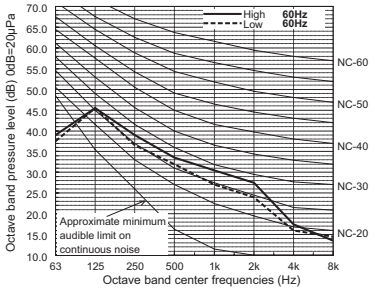
External Static Pressure: 80Pa
Power Source: 208V 60Hz



Ref.:NC_PDFY-P15,18NMU-E_WYN B0-4402-3

PDFY-P15,18NMU-E

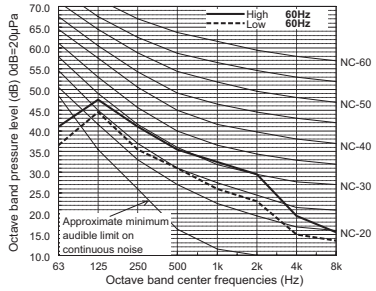
External Static Pressure: 40Pa
Power Source: 230V 60Hz



Ref.:NC_PDFY-P15,18NMU-E_WYN B0-4402-4

PDFY-P15,18NMU-E

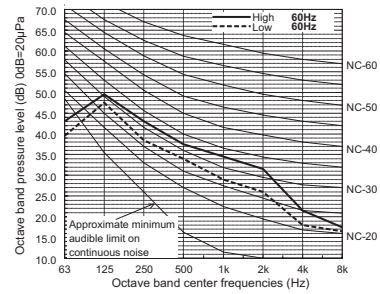
External Static Pressure: 60Pa
Power Source: 230V 60Hz



Ref.:NC_PDFY-P15,18NMU-E_WYN B0-4402-5

PDFY-P15,18NMU-E

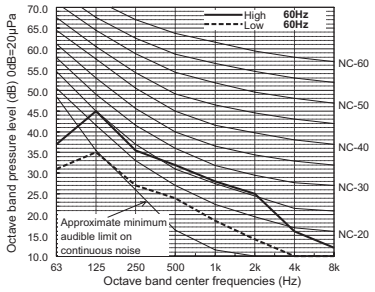
External Static Pressure: 100Pa
Power Source: 230V 60Hz



Ref.:NC_PDFY-P15,18NMU-E_WYN B0-4402-6

PDFY-P24NMU-E

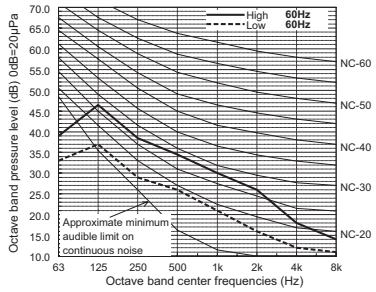
External Static Pressure: 30Pa
Power Source: 208V 60Hz



Ref.:NC_PDFY-P24NMU-E_WYN B0-4403-1

PDFY-P24NMU-E

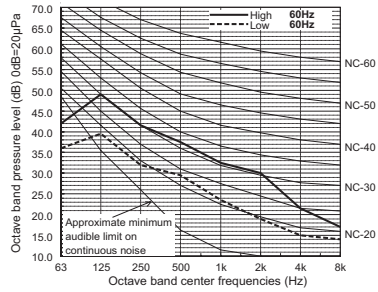
External Static Pressure: 50Pa
Power Source: 208V 60Hz



Ref.:NC_PDFY-P24NMU-E_WYN B0-4403-2

PDFY-P24NMU-E

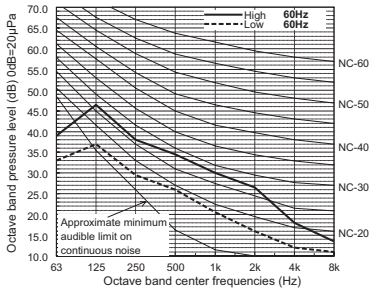
External Static Pressure: 80Pa
Power Source: 208V 60Hz



Ref.:NC_PDFY-P24NMU-E_WYN B0-4403-3

PDFY-P24NMU-E

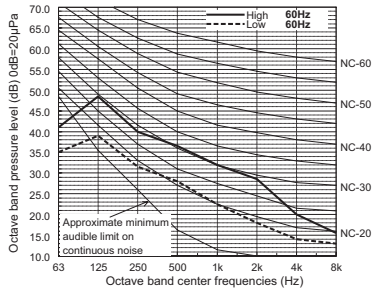
External Static Pressure: 40Pa
Power Source: 230V 60Hz



Ref.:NC_PDFY-P24NMU-E_WYN B0-4403-4

PDFY-P24NMU-E

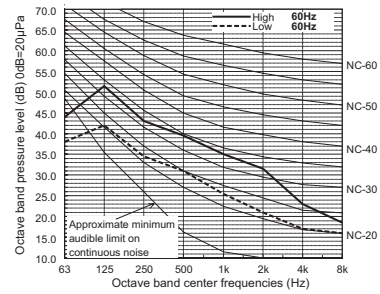
External Static Pressure: 60Pa
Power Source: 230V 60Hz



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PDFY-P24NMU-E

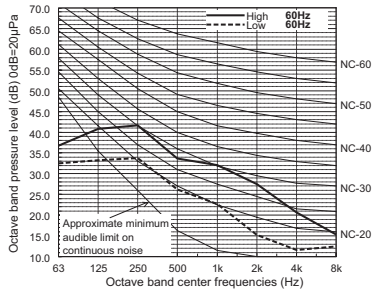
External Static Pressure: 100Pa
Power Source: 230V 60Hz



Ref.:NC_PDFY-P24NMU-E_WYN B0-4403-6

PDFY-P27NMU-E

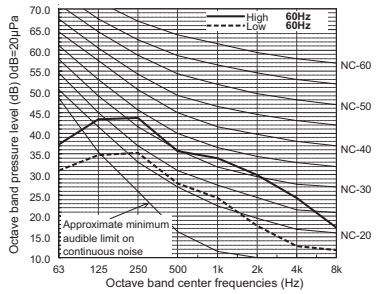
External Static Pressure: 30Pa
Power Source: 208V 60Hz



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PDFY-P27NMU-E

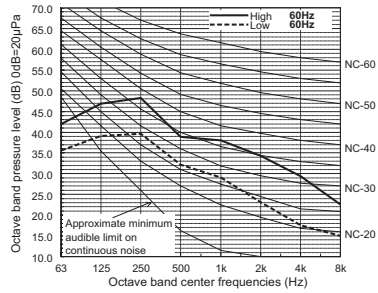
External Static Pressure: 50Pa
Power Source: 208V 60Hz



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PDFY-P27NMU-E

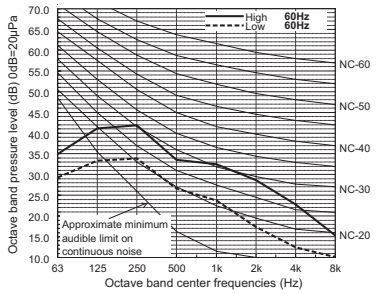
External Static Pressure: 80Pa
Power Source: 208V 60Hz



Ref.:NC_PDFY-P27NMU-E_WYN B0-4404-3

PDFY-P27NMU-E

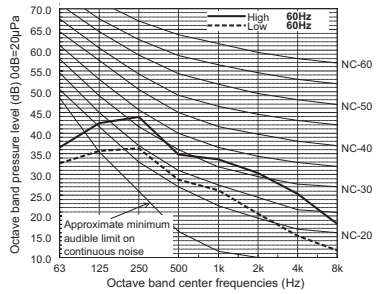
External Static Pressure: 40Pa
Power Source: 230V 60Hz



Ref.:NC_PDFY-P27NMU-E_WYN B0-4404-4

PDFY-P27NMU-E

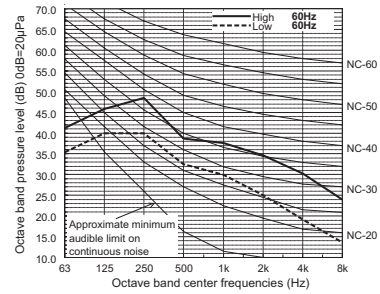
External Static Pressure: 60Pa
Power Source: 230V 60Hz



Ref.:NC_PDFY-P27NMU-E_WYN B0-4404-5

PDFY-P27NMU-E

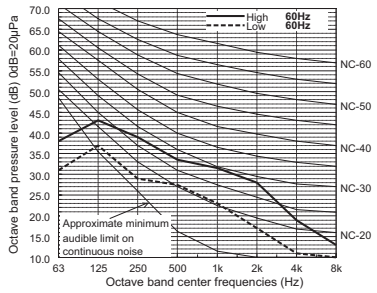
External Static Pressure: 100Pa
Power Source: 230V 60Hz



Ref.:NC_PDFY-P27NMU-E_WYN B0-4404-6

PDFY-P30NMU-E

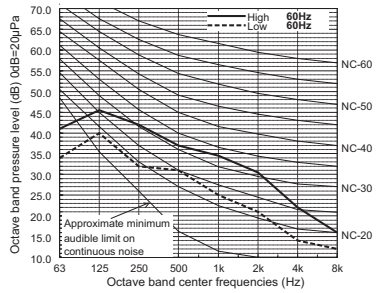
External Static Pressure: 30Pa
Power Source: 208V 60Hz



Ref.:NC_PDFY-P30NMU-E_WYN B0-4405-1

PDFY-P30NMU-E

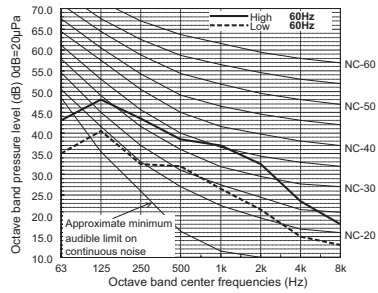
External Static Pressure: 50Pa
Power Source: 208V 60Hz



Ref.:NC_PDFY-P30NMU-E_WYN B0-4405-2

PDFY-P30NMU-E

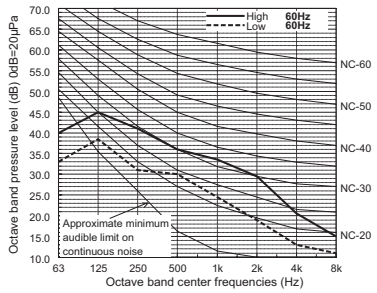
External Static Pressure: 100Pa
Power Source: 208V 60Hz



Ref.:NC_PDFY-P30NMU-E_WYN B0-4405-3

PDFY-P30NMU-E

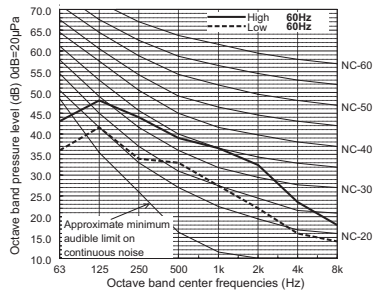
External Static Pressure: 40Pa
Power Source: 230V 60Hz



Ref.:NC_PDFY-P30NMU-E_WYN B0-4405-4

PDFY-P30NMU-E

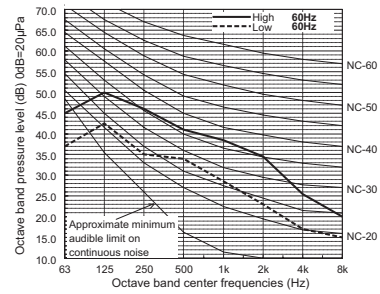
External Static Pressure: 60Pa
Power Source: 230V 60Hz



Ref.:NC_PDFY-P30NMU-E_WYN B0-4405-5

PDFY-P30NMU-E

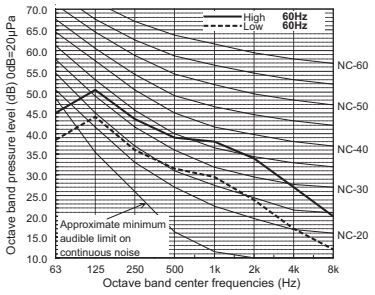
External Static Pressure: 115Pa
Power Source: 230V 60Hz



Ref.:NC_PDFY-P30NMU-E_WYN B0-4405-6

PDFY-P36NMU-E

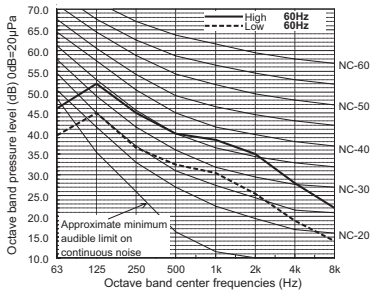
External Static Pressure: 50Pa
Power Source: 208V 60Hz



Ref.:NC_PDFY-P36NMU-E_WYN B0-4406-1

PDFY-P36NMU-E

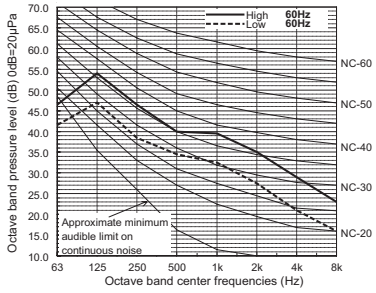
External Static Pressure: 100Pa
Power Source: 208V 60Hz



Ref.:NC_PDFY-P36NMU-E_WYN B0-4406-2

PDFY-P36NMU-E

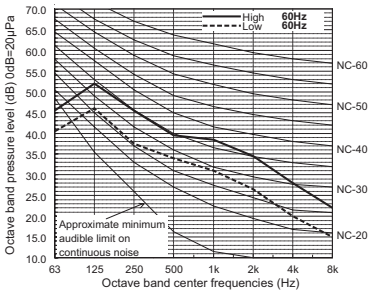
External Static Pressure: 130Pa
Power Source: 208V 60Hz



Ref.:NC_PDFY-P36NMU-E_WYN B0-4406-3

PDFY-P36NMU-E

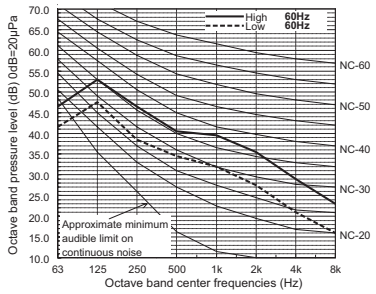
External Static Pressure: 60Pa
Power Source: 230V 60Hz



Ref.:NC_PDFY-P36NMU-E_WYN B0-4406-4

PDFY-P36NMU-E

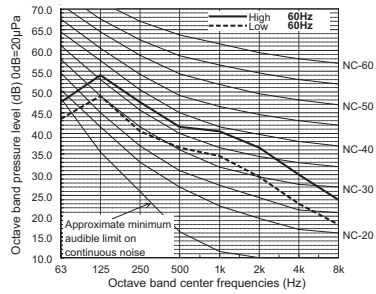
External Static Pressure: 115Pa
Power Source: 230V 60Hz



Ref.:NC_PDFY-P36NMU-E_WYN B0-4406-5

PDFY-P36NMU-E

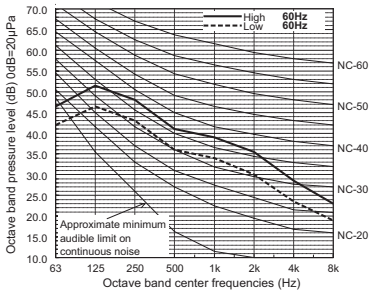
External Static Pressure: 150Pa
Power Source: 230V 60Hz



Ref.:NC_PDFY-P36NMU-E_WYN B0-4406-6

PDFY-P48NMU-E

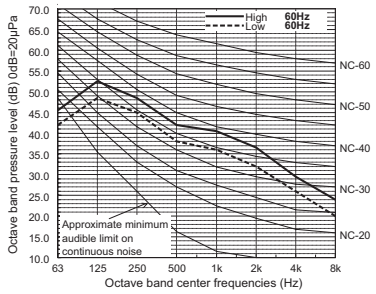
External Static Pressure: 50Pa
Power Source: 208V 60Hz



Ref.:NC_PDFY-P48NMU-E_WYN B0-4407-1

PDFY-P48NMU-E

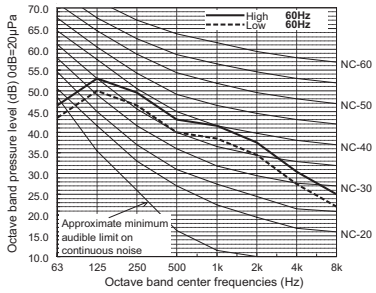
External Static Pressure: 100Pa
Power Source: 208V 60Hz



Ref.:NC_PDFY-P48NMU-E_WYN B0-4407-2

PDFY-P48NMU-E

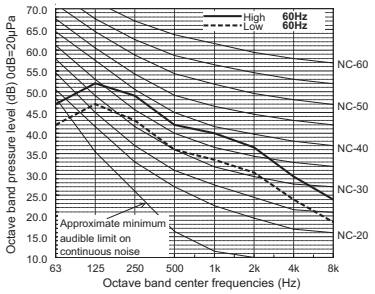
External Static Pressure: 130Pa
Power Source: 208V 60Hz



Ref.:NC_PDFY-P48NMU-E_WYN B0-4407-3

PDFY-P48NMU-E

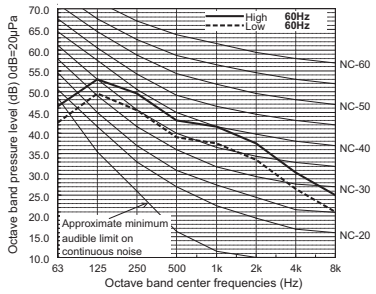
External Static Pressure: 60Pa
Power Source: 230V 60Hz



Ref.:NC_PDFY-P48NMU-E_WYN B0-4407-4

PDFY-P48NMU-E

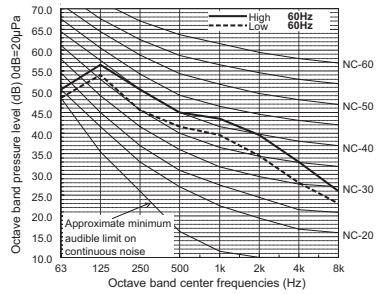
External Static Pressure: 115Pa
Power Source: 230V 60Hz



Ref.:NC_PDFY-P48NMU-E_WYN B0-4407-5

PDFY-P48NMU-E

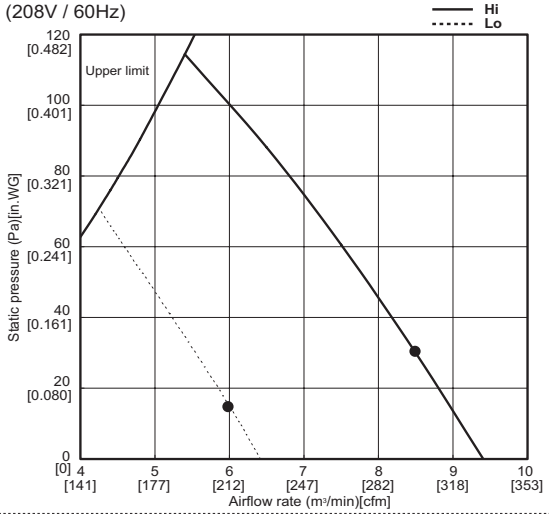
External Static Pressure: 150Pa
Power Source: 230V 60Hz



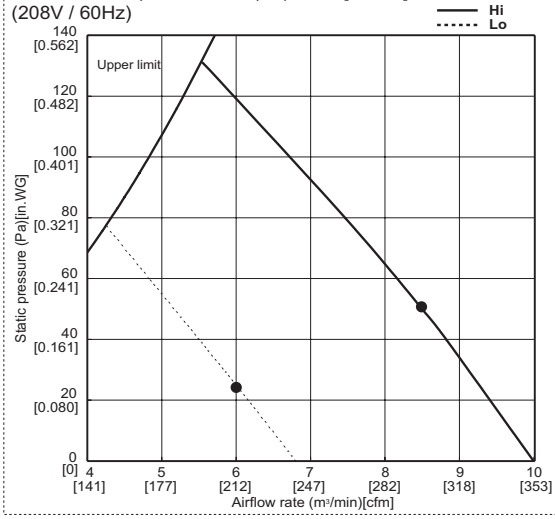
Ref.:NC_PDFY-P48NMU-E_WYN B0-4407-6

6. FAN CHARACTERISTIC CURVES

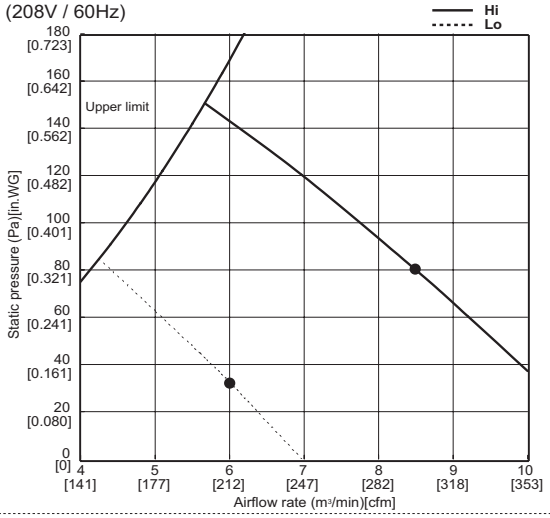
PDFY-P06,08,12NMU-E
External static pressure : 30(Pa),0.120[in.WG]
(208V / 60Hz)



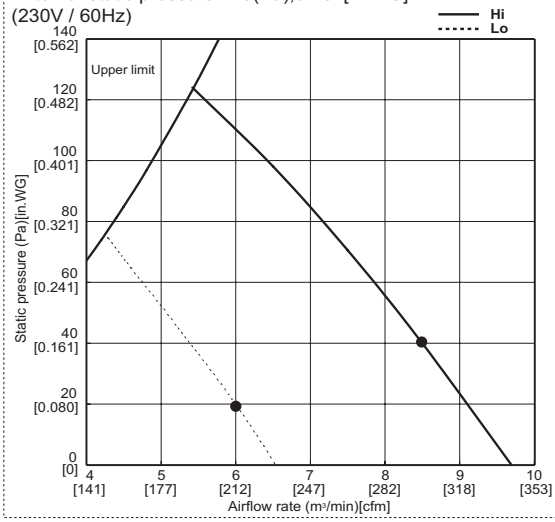
PDFY-P06,08,12NMU-E
External static pressure : 50(Pa),0.200[in.WG]
(208V / 60Hz)



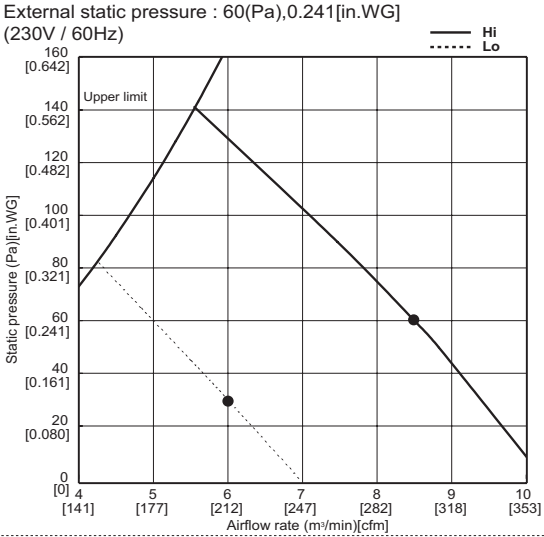
PDFY-P06,08,12NMU-E
External static pressure : 80(Pa),0.321[in.WG]
(208V / 60Hz)



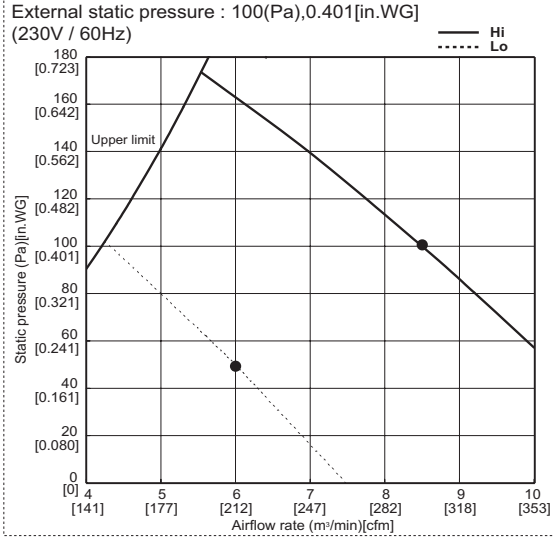
PDFY-P06,08,12NMU-E
External static pressure : 40(Pa),0.161[in.WG]
(230V / 60Hz)



PDFY-P06,08,12NMU-E
External static pressure : 60(Pa),0.241[in.WG]
(230V / 60Hz)

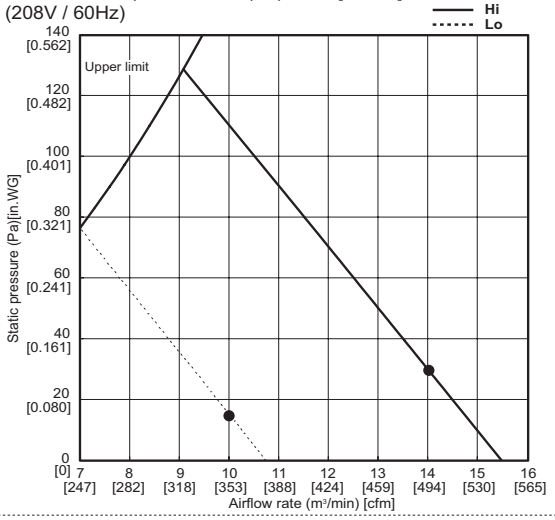


PDFY-P06,08,12NMU-E
External static pressure : 100(Pa),0.401[in.WG]
(230V / 60Hz)

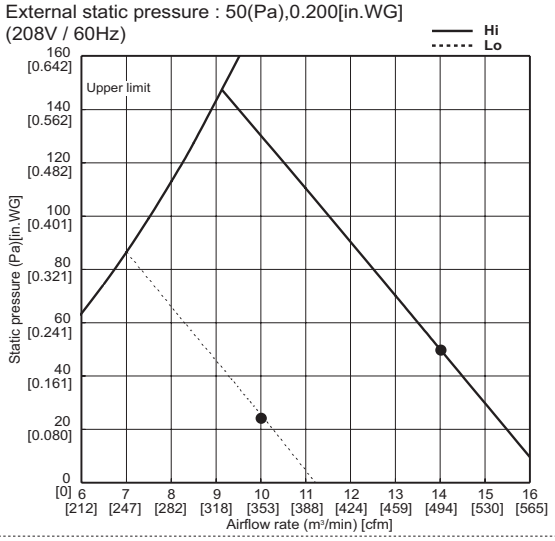


6. FAN CHARACTERISTIC CURVES

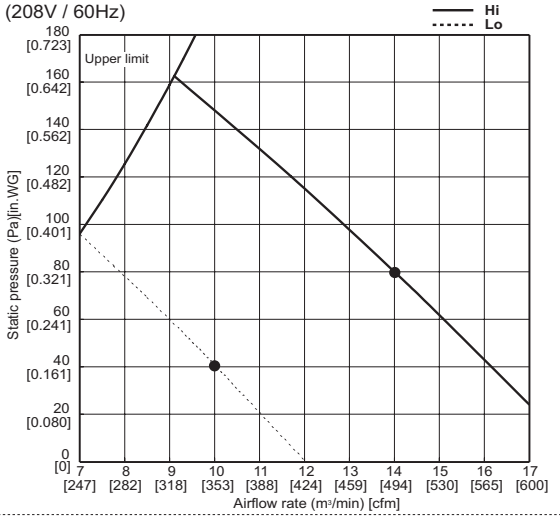
PDFY-P15,18NMU-E
External static pressure : 30(Pa),0.120[in.WG]
(208V / 60Hz)



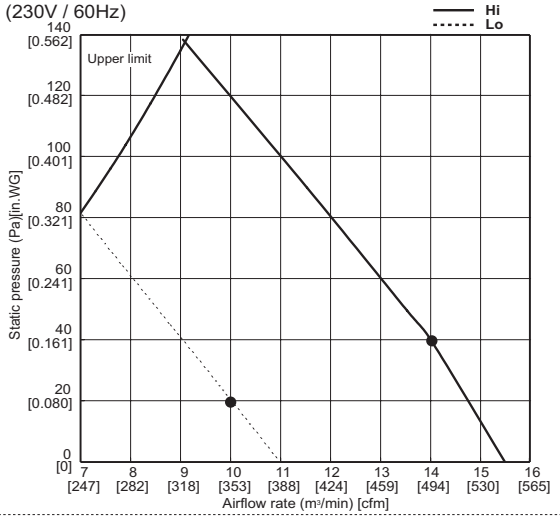
PDFY-P15,18NMU-E
External static pressure : 50(Pa),0.200[in.WG]
(208V / 60Hz)



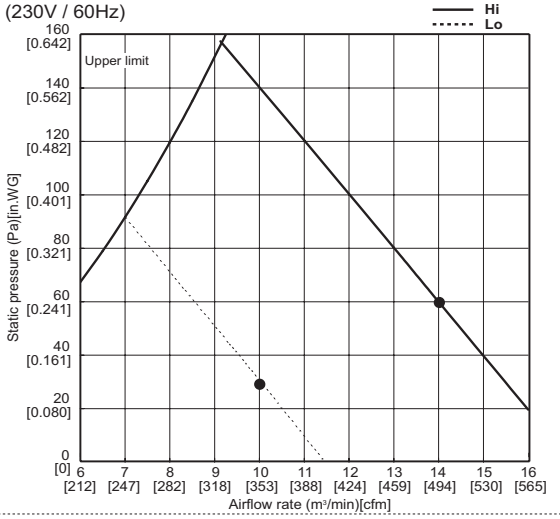
PDFY-P15,18NMU-E
External static pressure : 80(Pa),0.321[in.WG]
(208V / 60Hz)



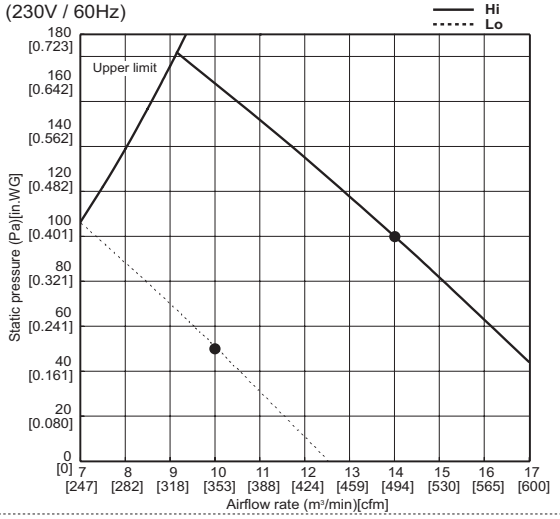
PDFY-P15,18NMU-E
External static pressure : 40(Pa),0.161[in.WG]
(230V / 60Hz)



PDFY-P15,18NMU-E
External static pressure : 60(Pa),0.241[in.WG]
(230V / 60Hz)

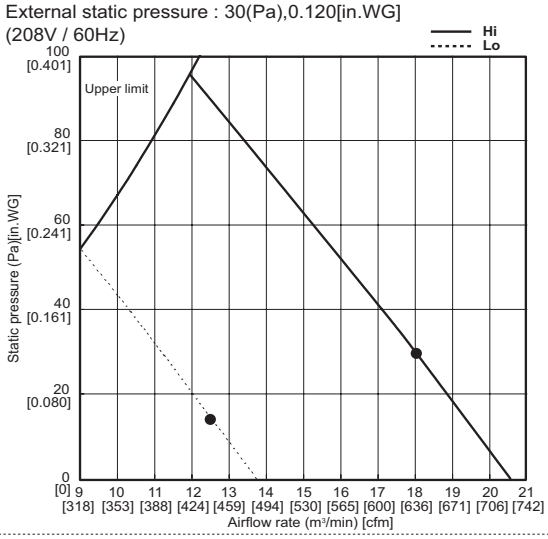


PDFY-P15,18NMU-E
External static pressure : 100(Pa),0.401[in.WG]
(230V / 60Hz)

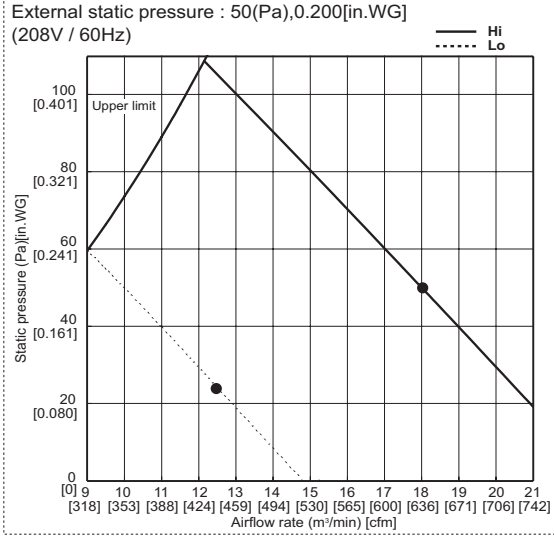


6. FAN CHARACTERISTIC CURVES

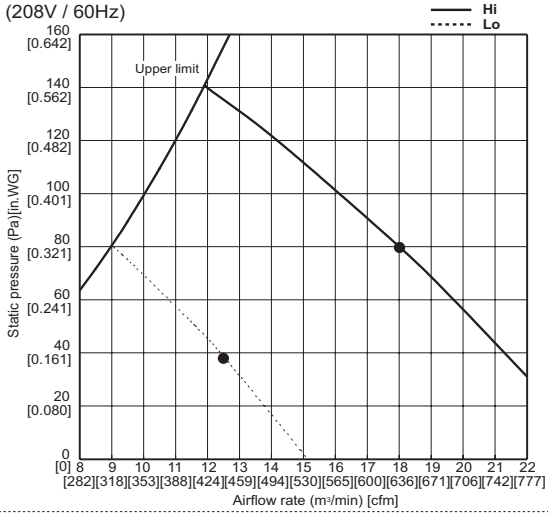
PDFY-P24NMU-E
External static pressure : 30(Pa),0.120[in.WG]
(208V / 60Hz)



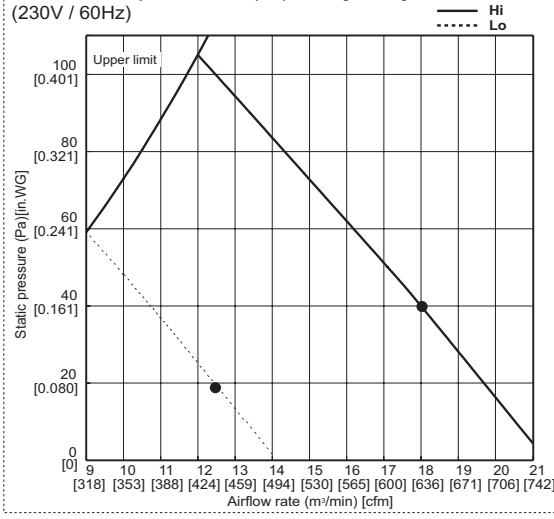
PDFY-P24NMU-E
External static pressure : 50(Pa),0.200[in.WG]
(208V / 60Hz)



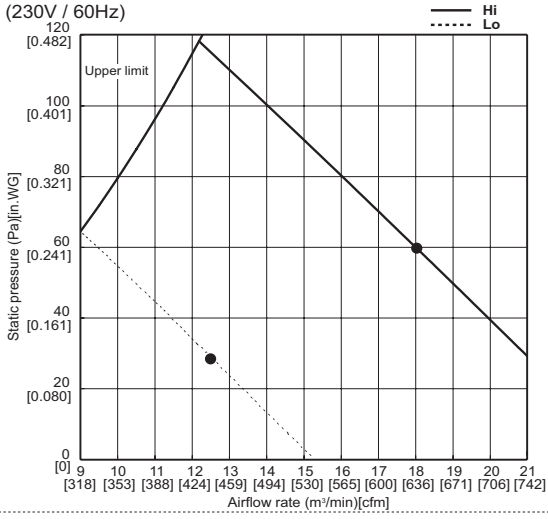
PDFY-P24NMU-E
External static pressure : 80(Pa),0.321[in.WG]
(208V / 60Hz)



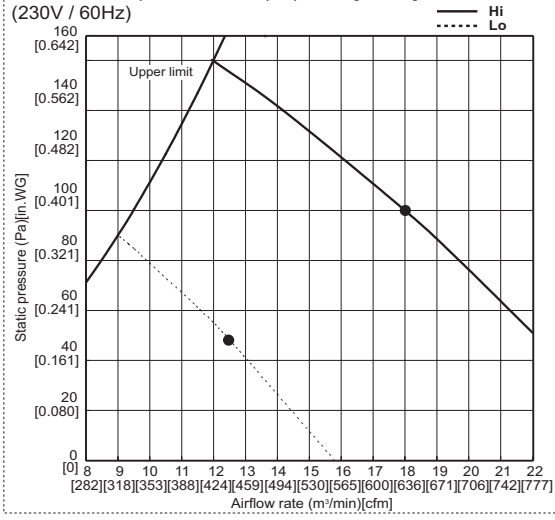
PDFY-P24NMU-E
External static pressure : 40(Pa),0.161[in.WG]
(230V / 60Hz)



PDFY-P24NMU-E
External static pressure : 60(Pa),0.241[in.WG]
(230V / 60Hz)

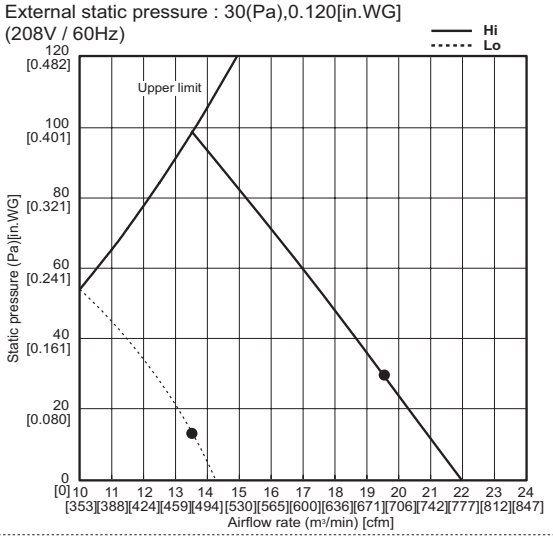


PDFY-P24NMU-E
External static pressure : 100(Pa),0.401[in.WG]
(230V / 60Hz)

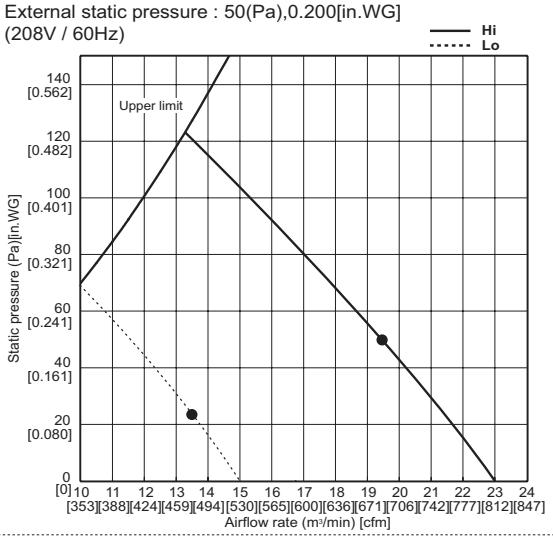


6. FAN CHARACTERISTIC CURVES

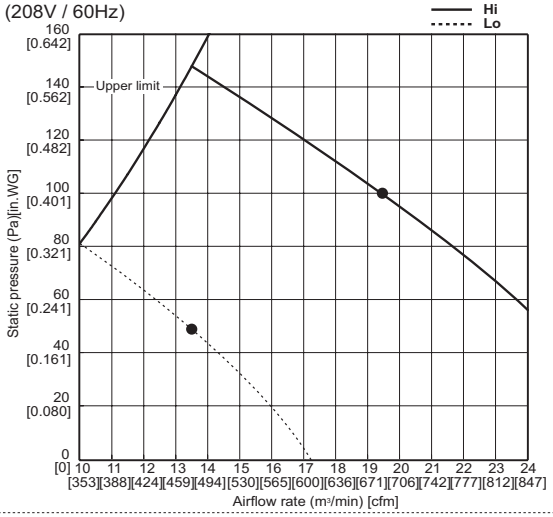
PDFY-P27NMU-E
External static pressure : 30(Pa),0.120[in.WG]
(208V / 60Hz)



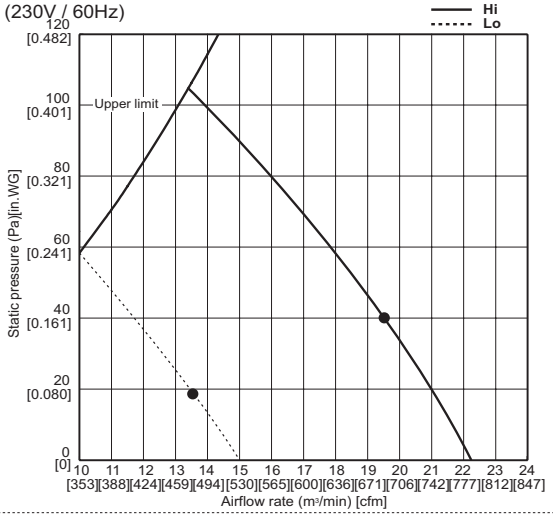
PDFY-P27NMU-E
External static pressure : 50(Pa),0.200[in.WG]
(208V / 60Hz)



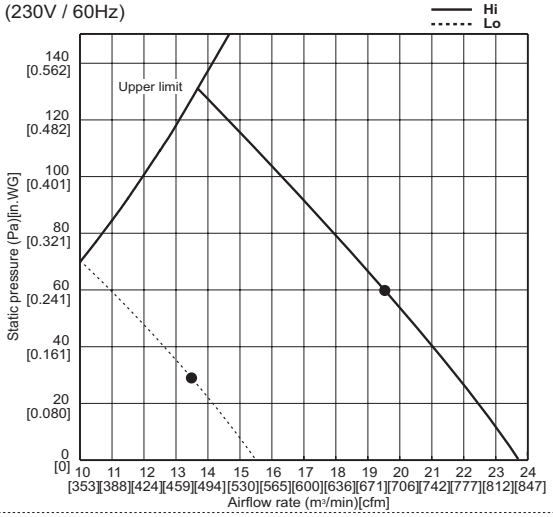
PDFY-P27NMU-E
External static pressure : 80(Pa),0.321[in.WG]
(208V / 60Hz)



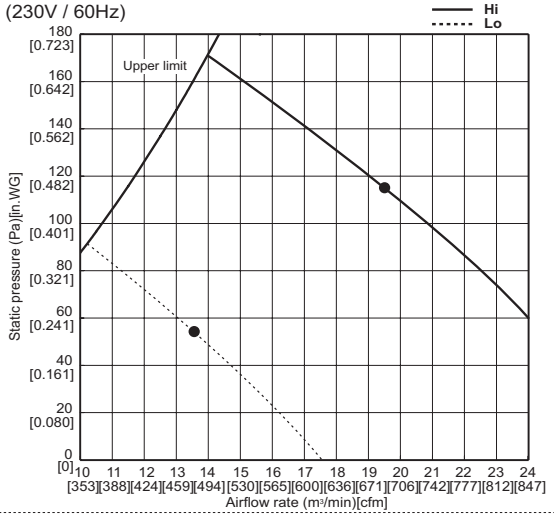
PDFY-P27NMU-E
External static pressure : 40(Pa),0.161[in.WG]
(230V / 60Hz)



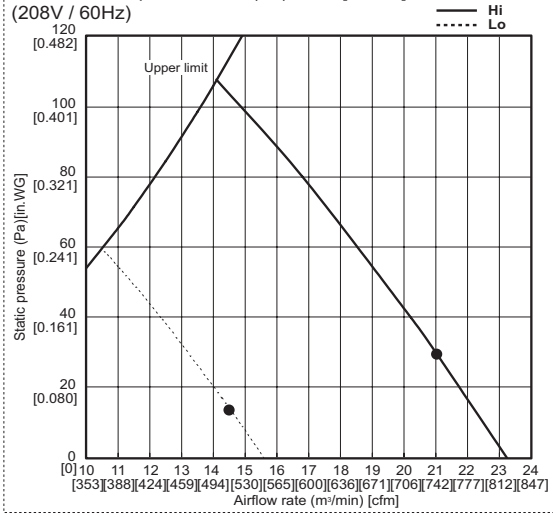
PDFY-P27NMU-E
External static pressure : 60(Pa),0.241[in.WG]
(230V / 60Hz)



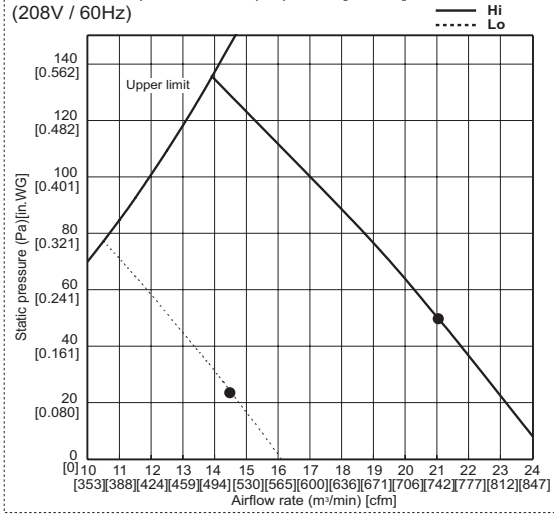
PDFY-P27NMU-E
External static pressure : 100(Pa),0.401[in.WG]
(230V / 60Hz)



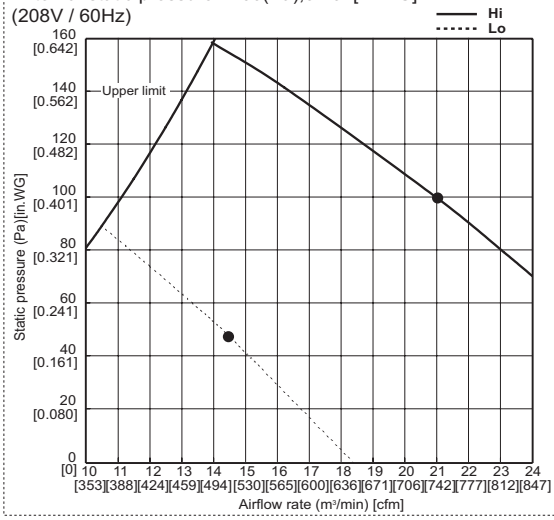
PDFY-P30NMU-E
External static pressure : 30(Pa),0.120[in.WG]
(208V / 60Hz)



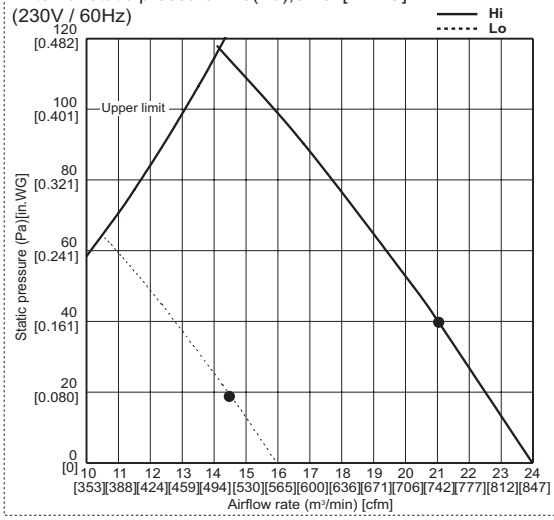
PDFY-P30NMU-E
External static pressure : 50(Pa),0.200[in.WG]
(208V / 60Hz)



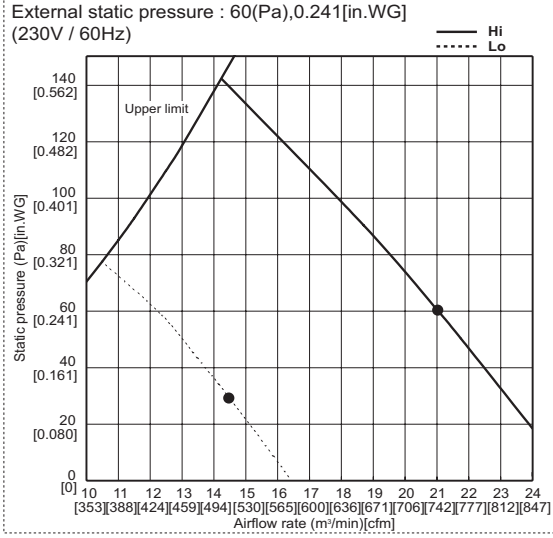
PDFY-P30NMU-E
External static pressure : 100(Pa),0.401[in.WG]
(208V / 60Hz)



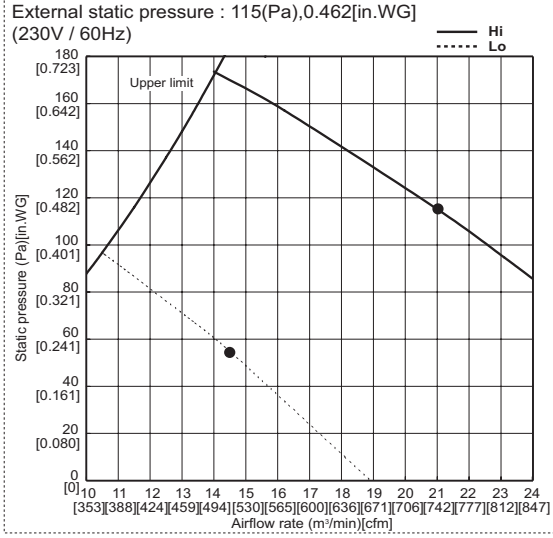
PDFY-P30NMU-E
External static pressure : 40(Pa),0.161[in.WG]
(230V / 60Hz)



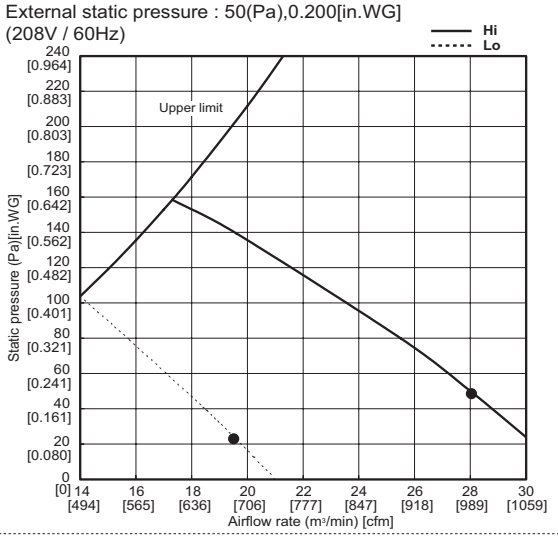
PDFY-P30NMU-E
External static pressure : 60(Pa),0.241[in.WG]
(230V / 60Hz)



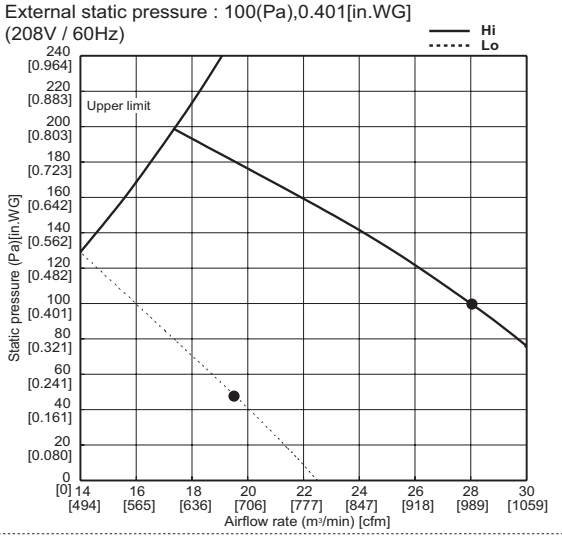
PDFY-P30NMU-E
External static pressure : 115(Pa),0.462[in.WG]
(230V / 60Hz)



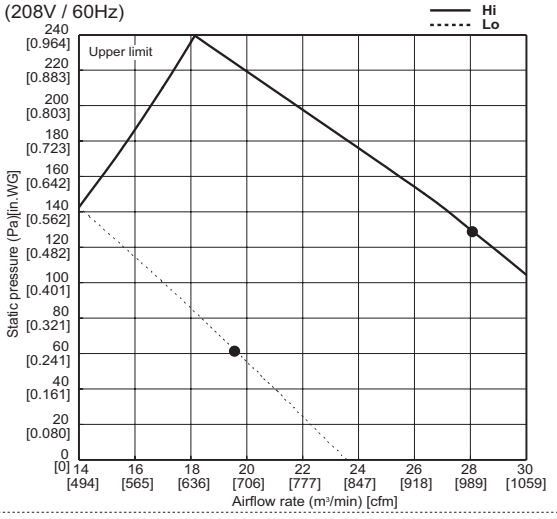
PDFY-P36NMU-E
External static pressure : 50(Pa),0.200[in.WG]
(208V / 60Hz)



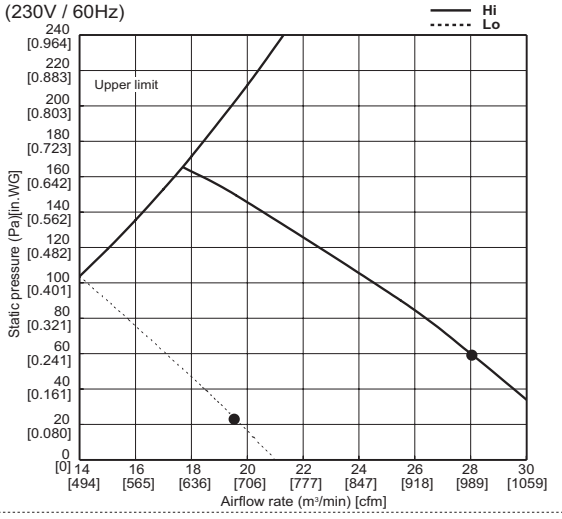
PDFY-P36NMU-E
External static pressure : 100(Pa),0.401[in.WG]
(208V / 60Hz)



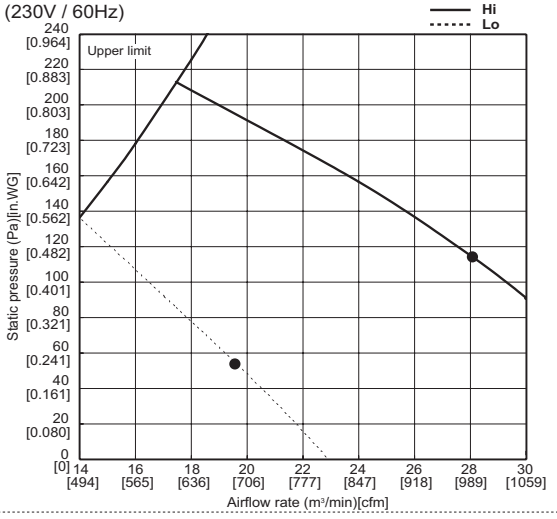
PDFY-P36NMU-E
External static pressure : 130(Pa),0.522[in.WG]
(208V / 60Hz)



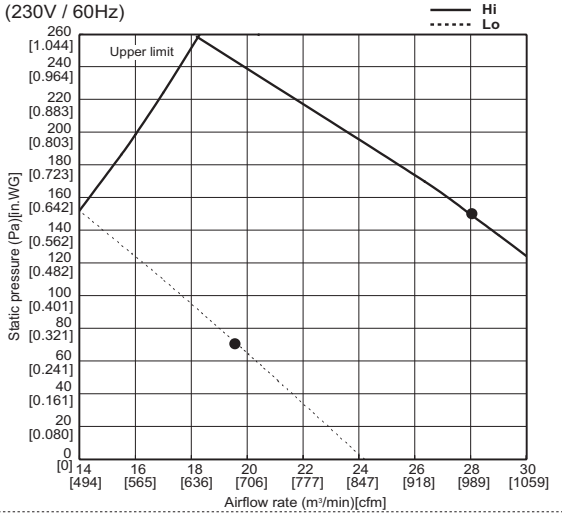
PDFY-P36NMU-E
External static pressure : 60(Pa),0.241[in.WG]
(230V / 60Hz)



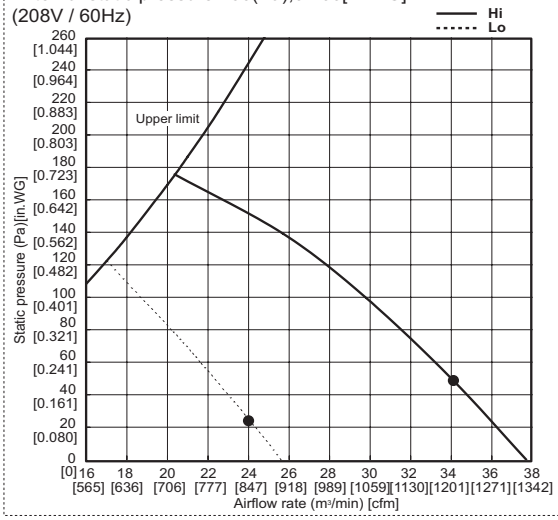
PDFY-P36NMU-E
External static pressure : 115(Pa),0.462[in.WG]
(230V / 60Hz)



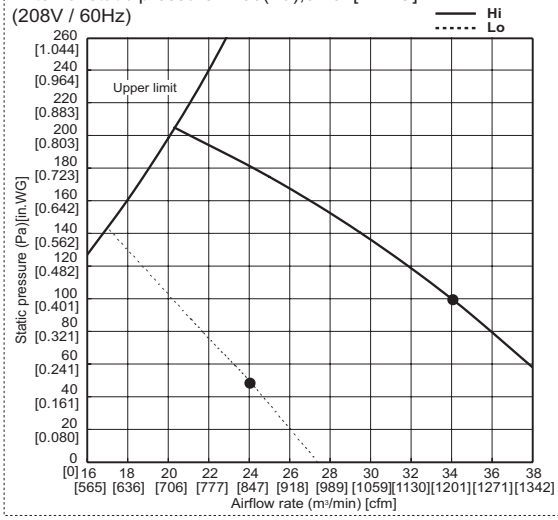
PDFY-P36NMU-E
External static pressure : 150(Pa),0.602[in.WG]
(230V / 60Hz)



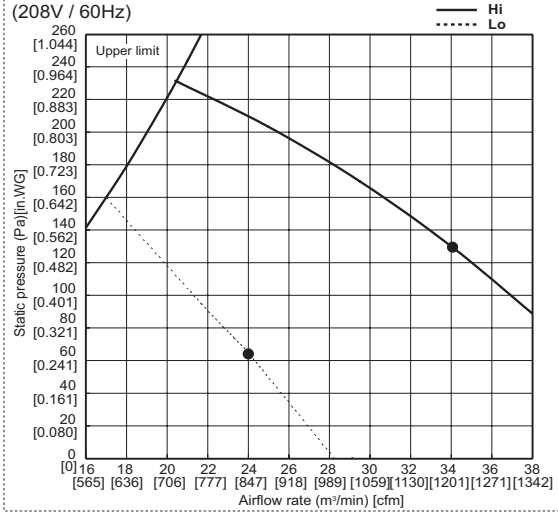
PDFY-P48NMU-E
External static pressure : 50(Pa),0.200[in.WG]
(208V / 60Hz)



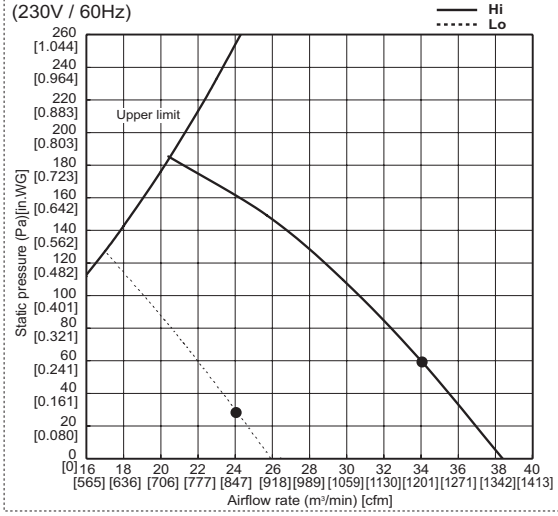
PDFY-P48NMU-E
External static pressure : 100(Pa),0.401[in.WG]
(208V / 60Hz)



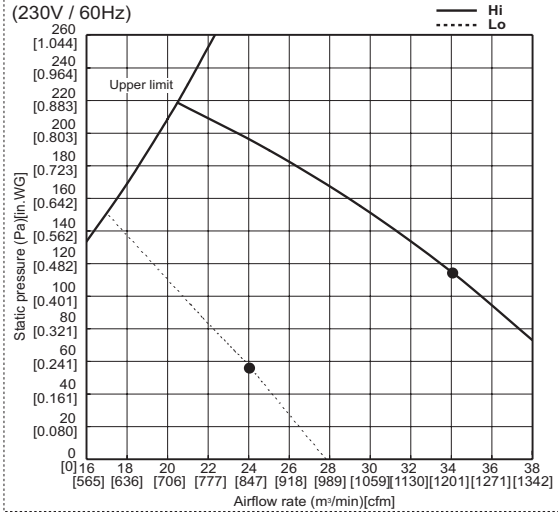
PDFY-P48NMU-E
External static pressure : 130(Pa),0.522[in.WG]
(208V / 60Hz)



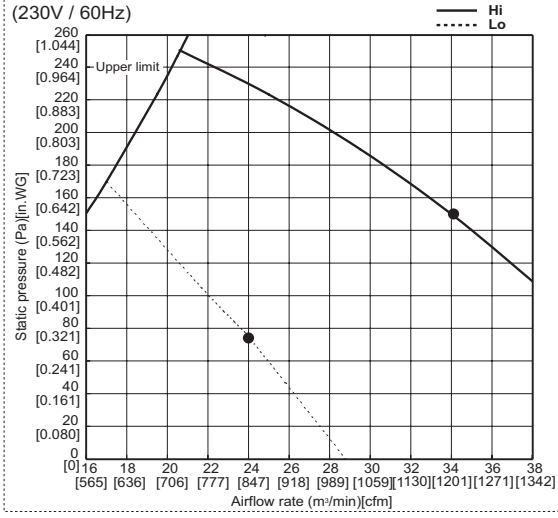
PDFY-P48NMU-E
External static pressure : 60(Pa),0.241[in.WG]
(230V / 60Hz)



PDFY-P48NMU-E
External static pressure : 115(Pa),0.462[in.WG]
(230V / 60Hz)



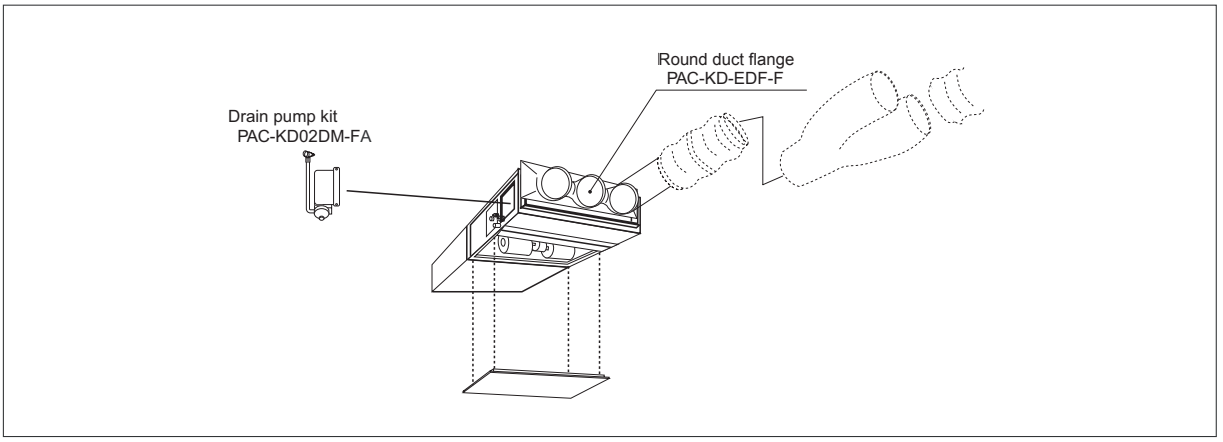
PDFY-P48NMU-E
External static pressure : 150(Pa),0.602[in.WG]
(230V / 60Hz)



7-1. Optional Parts Line Up for the Indoor Unit

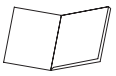
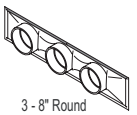
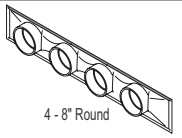
	Round duct flange	Drain pump kit	External heater adaptor
PDFY-P06,08,12NMU-E	PAC-KD32EDF-F	PAC-KD02DM-FA	PAC-YU24HT-F
PDFY-P15,18NMU-E	PAC-KD50EDF-F	PAC-KD02DM-FA	PAC-YU24HT-F
PDFY-P24,27,30NMU-E	PAC-KD80EDF-F	PAC-KD02DM-FA	PAC-YU24HT-F
PDFY-P36,48NMU-E	PAC-KD125EDF-F	PAC-KD02DM-FA	PAC-YU24HT-F

PDFY-P-NMU-E



7-2. Round Duct Flange PAC-KD-EDF-F for PDFY-P-NMU-E

Round duct flange PAC-KE-EDF-F makes air ducting and distributing easier.
Material: Polystyrene

Item	② Screw	③ Installation manual	① Round duct flange		
Quantity	8	1	1		
Shape			 2 - 8" Round <for PDFY-P06, 08, 12, 15, 18NMU-E>	 3 - 8" Round <for PDFY-P24, 27, 30NMU-E>	 4 - 8" Round <for PDFY-P36, 48NMU-E>

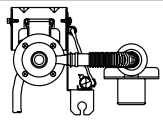
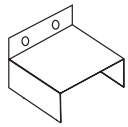
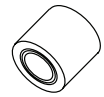
Refer to the Installation Manual (WT02840X02) for detailed installation information.

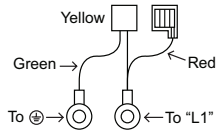
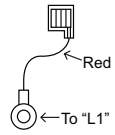
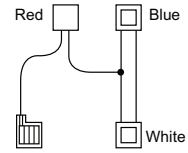
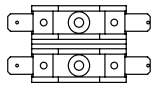
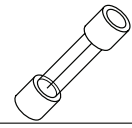
Screws

Model	Screw Quantity
PDFY-P-NMU-E	
06, 08, 12	6
15, 18	6
24, 27, 30	8
36, 48	10

7-3. Drain Pump Kit PAC-KD02DM-FA

If drain water cannot flow out from the indoor unit by gravity and gradient, a Drain-pump-kit for draining is needed.

Item	1. Drain Pump Assy.	2. Pump Cover Assy.	3. Rubber Plug	4. Band
Shape				
Quantity	1	1	1	1

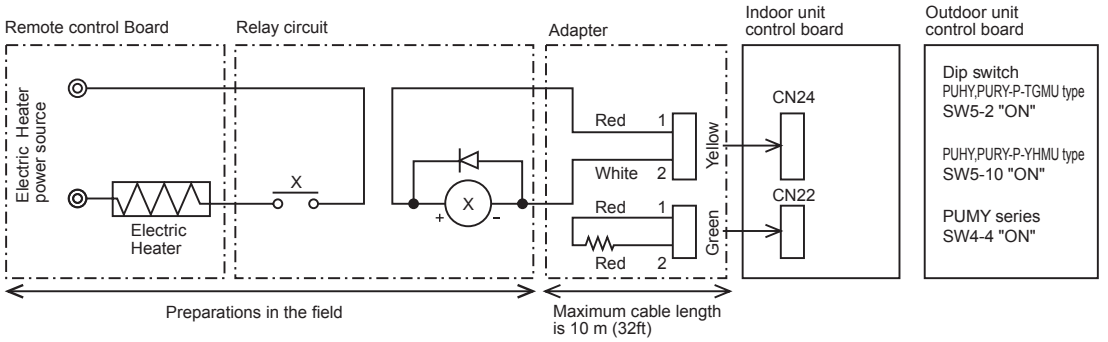
Item	5. PTT Screw 4X10	6. Screw 4X10	7. Connector
Shape		 (Light Brown)	
Quantity	2	2	1
Item	*8. Wiring Assy. A1	*9. Wiring Assy. A2	*10. Wiring Assy. B
Shape	 PDFY-P08, P15, P24, P30NMU-E	 PDFY-P36, P48NMU-E	
Quantity	1	1	1
Item	*11. Fuse Holder	*12. Fuse	*13. PTT Screw 3.5X10
Shape		 250V 5A	
Quantity	1	1	1

*8-13; PDFY-P08, P15, P24, P30, P36, P48NMU-E type only.
Refer to the Installation Manual for detailed installation information.

7-4. External Heater Adapter PAC-YU24HT

External heater adaptor PAC-YU24HT 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.)

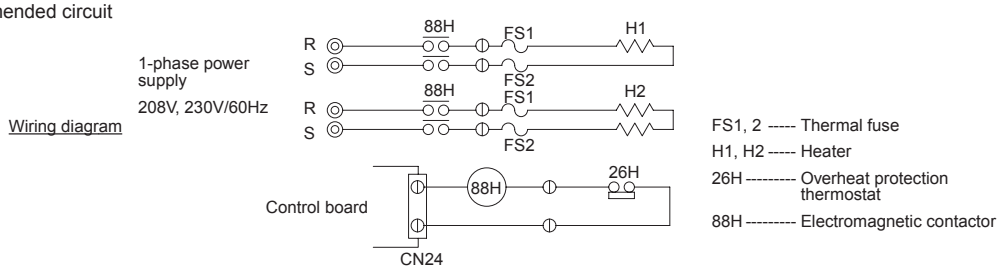


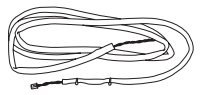
For relay X use the specifications given below Operation coil
- Rated voltage : 12VDC
- Power consumption : 0.9W or less

* 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-YU24HT 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)

Recommended circuit



Item	① External output cable	② Fan speed setting cable with resistance	
Quantity	2	2	
Shape			

Refer to the Installation Manual (WT04645X02) wiring and installation details.