

PDFY-P-NMU-E

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1. SPECIFICATIONS

DATA U5

Model		PDFY-P06NMU-E	PDFY-P08NMU-E	PDFY-P12NMU-E	PDFY-P15NMU-E		
Power source		1-phase 208/230 V 60Hz					
Cooling capacity (Nominal)	*1 BTU / h	6,000	8,000	12,000	15,000		
	*1 kW	1.8	2.3	3.5	4.4		
	*3 Power input	kW	0.120/0.120	0.120/0.120	0.120/0.120	0.150/0.150	
	*3 Current input	A	0.61/0.68	0.61/0.68	0.61/0.68	0.77/0.85	
Heating capacity (Nominal)	*2 BTU / h	6,700	9,000	13,500	17,000		
	*2 kW	2.0	2.6	4.0	5.0		
	*3 Power input	kW	0.120/0.120	0.120/0.120	0.120/0.120	0.150/0.150	
	*3 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	
	*4 External-static press	(208V) in.WG	<0.120>-0.200-<0.321>	<0.120>-0.200-<0.321>	<0.120>-0.200-<0.321>	<0.120>-0.200-<0.321>	
			Pa	<30>-50-<80>	<30>-50-<80>	<30>-50-<80>	<30>-50-<80>
		(230V) in.WG	<0.161>-0.241-<0.401>	<0.161>-0.241-<0.401>	<0.161>-0.241-<0.401>	<0.161>-0.241-<0.401>	
			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 (Low-Mid1-Mid2-High)	cfm	211-229-264-300	211-229-264-300	211-229-264-300	353-388-441-494	
			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) (measured in anechoic room)	*3 dB <A>	26-28-31-34 (208V)	26-28-31-34 (208V)	26-28-31-34 (208V)	32-34-35-37 (208V)		
		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) (R22)	in. (mm)	1/4 (6.35) Flare	1/4 (6.35) Flare	1/4 (6.35) Flare	1/4 (6.35) Flare	
			-	-	1/4 (6.35) Flare	1/4 (6.35) Flare	
	Gas (R410A) (R22)	in. (mm)	1/2 (12.7) Flare	1/2 (12.7) Flare	1/2 (12.7) Flare	1/2 (12.7) Flare	
			-	-	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		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	
	Maintenance panel with air intake		MCMP-P36DSW-H	MCMP-P36DSW-H	MCMP-P36DSW-H	MCMP-P56DSW-H	
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 specification may be subject to change without notice.					

Notes :	*1 Nominal cooling conditions	*2 Nominal heating conditions	Unit converter
Indoor :	80degF D.B. / 67degF W.B. (26.7degC D.B. / 19.4degC W.B.)	70degF D.B. (21.1degC D.B.)	kcal/h = kW x 860 BTU/h = kW x 3,412
Outdoor :	95degF D.B. (35degC D.B.)	47degF D.B. / 43degF W.B. (8.3degC D.B. / 6.1degC W.B.)	cfm = m3/min x 35.31 lbs = kg / 0.4536
Pipe length :	25 ft. (7.6 m)	25 ft. (7.6 m)	
Level difference :	0 ft. (0 m)	0 ft. (0 m)	
*3 The values are measured at the rated external static pressure.			*Above specification data is subject to rounding variation.
*4 The rated external static pressure is shown without < >. The factory setting is the rated value.			

Ref.: Spec_PDFY-P06-15NMU-E

1. SPECIFICATIONS

DATA U5

Model		PDFY-P18NMU-E	PDFY-P24NMU-E	PDFY-P27NMU-E	PDFY-P30NMU-E		
Power source		1-phase 208/230 V 60Hz					
Cooling capacity (Nominal)	*1	BTU / h	18,000	24,000	27,000	30,000	
	*1	kW	5.3	7.0	7.9	8.8	
	*3	Power input	kW	0.150/0.150	0.170/0.170	0.180/0.180	0.210/0.210
	*3	Current input	A	0.77/0.85	0.87/0.96	0.94/1.04	1.07/1.19
Heating capacity (Nominal)	*2	BTU / h	20,000	27,000	30,000	34,000	
	*2	kW	5.9	7.9	8.8	10.0	
	*3	Power input	kW	0.150/0.150	0.170/0.170	0.180/0.180	0.210/0.210
	*3	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		
	*4	External- static press (208V)	in.WG	<0.120>-0.200-<0.321>	<0.120>-0.200-<0.321>	<0.120>-0.200-<0.321>	<0.120>-0.200-<0.401>
			Pa	<30>-50-<80>	<30>-50-<80>	<30>-50-<80>	<30>-50-<100>
		(230V)	in.WG	<0.161>-0.241-<0.401>	<0.161>-0.241-<0.401>	<0.161>-0.241-<0.401>	<0.161>-0.241-<0.462>
			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 (Low-Mid1-Mid2-High)	cfm		353-388-441-494	441-494-565-635	477-547-618-689	494-582-653-741
		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) (measured in anechoic room)	dB <A>		32-34-35-37 (208V)	28-32-34-37 (208V)	31-35-37-40 (208V)	32-35-38-40 (208V)	
	dB <A>		34-36-37-39 (230V)	30-34-36-39 (230V)	32-36-38-40 (230V)	34-37-40-42 (230V)	
	*3		-	-	-	-	
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) (R22)	in. (mm)	1/4 (6.35) Flare	3/8 (9.52) Flare	3/8 (9.52) Flare	3/8 (9.52) Flare	
			3/8 (9.52) Flare	3/8 (9.52) Flare	3/8 (9.52) Flare	3/8 (9.52) Flare	
	Gas (R410A) (R22)	in. (mm)	1/2 (12.7) Flare	5/8 (15.88) Flare	5/8 (15.88) Flare	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		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	
	Maintenance panel with air intake		MCMP-P56DSW-H	MCMP-P90DSW-H	MCMP-P90DSW-H	MCMP-P90DSW-H	
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 specification may be subject to change without notice.					

Notes :	*1 Nominal cooling conditions	*2 Nominal heating conditions	Unit converter
	Indoor : 80degF D.B. / 67degF W.B. (26.7degC D.B. / 19.4degC W.B.)	70degF D.B. (21.1degC D.B.)	kcal/h = kW x 860
	Outdoor : 95degF D.B. (35degC D.B.)	47degF D.B. / 43degF W.B. (8.3degC D.B. / 6.1degC W.B.)	BTU/h = kW x 3,412
	Pipe length : 25 ft. (7.6 m)	25 ft. (7.6 m)	cfm = m3/min x 35.31
	Level difference : 0 ft. (0 m)	0 ft. (0 m)	lbs = kg / 0.4536
	*3 The values are measured at the rated external static pressure.		*Above specification data is subject to rounding variation.
	*4 The rated external static pressure is shown without < >. The factory setting is the rated value.		

Ref.: Spec_PDFY-P18-30NMU-E

1. SPECIFICATIONS

DATA U5

Model		PDFY-P36NMU-E	PDFY-P48NMU-E			
Power source		1-phase 208/230 V 60Hz				
Cooling capacity (Nominal)	*1 BTU / h	36,000	48,000			
	*1 kW	10.6	14.1			
	*3 Power input	0.290/0.290	0.390/0.390			
	*3 Current input	A	1.99/2.21			
Heating capacity (Nominal)	*2 BTU / h	40,000	54,000			
	*2 kW	11.7	15.8			
	*3 Power input	kW	0.290/0.290	0.390/0.390		
	*3 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			
	*4 External-static press (208V)	in.WG	<0.200>-0.401-<0.522>	<0.200>-0.401-<0.522>		
		Pa	<50>-100-<130>	<50>-100-<130>		
		(230V)	in.WG	<0.241>-0.462-<0.602>	<0.241>-0.462-<0.602>	
			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 (Low-High)	cfm	688-988	847-1,200		
		m ³ / min	19.5-28.0	24.0-34.0		
L / s		325-467	400-567			
Sound pressure level (Low-High) (measured in anechoic room)	dB <A>	36-44 (208V)	42-46 (208V)			
	dB <A>	38-45 (230V)	43-47 (230V)			
	*3 dB <A>	-	-			
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) (R22)	in. (mm)	3/8 (9.52) Flare	3/8 (9.52) Flare		
			3/8 (9.52) Flare	3/8 (9.52) Flare		
	Gas (R410A) (R22)	in. (mm)	5/8 (15.88) Flare	5/8 (15.88) Flare		
			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	PAC-KD02DM-FA	PAC-KD02DM-FA			
	External heater adaptor	PAC-YU24HT-F	PAC-YU24HT-F			
	Maintenance panel with air intake	MCMP-P160DSW-H	MCMP-P160DSW-H			
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 specification may be subject to change without notice.				

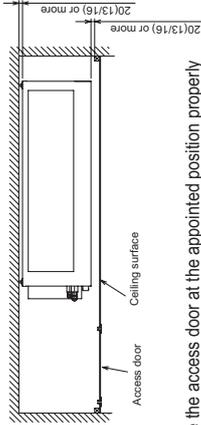
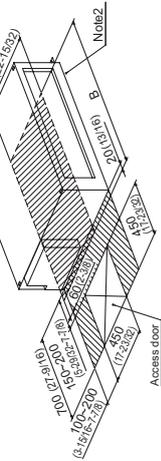
Notes :	*1 Nominal cooling conditions	*2 Nominal heating conditions	Unit converter
	Indoor : 80degF D.B. / 67degF W.B. (26.7degC D.B. / 19.4degC W.B.)	70degF D.B. (21.1degC D.B.)	kcal/h = kW x 860 BTU/h = kW x 3.412 cfm = m ³ /min x 35.31 lbs = kg / 0.4536
	Outdoor : 95degF D.B. (35degC D.B.)	47degF D.B. / 43degF W.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)	
*3 The values are measured at the rated external static pressure.			*Above specification data is subject to rounding variation.
*4 The rated external static pressure is shown without < >. The factory setting is the rated value.			

Ref.: Spec_PDFY-P36-48NMU-E

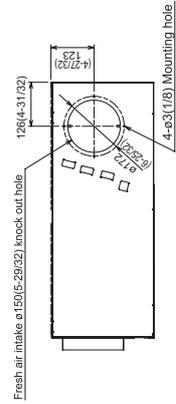
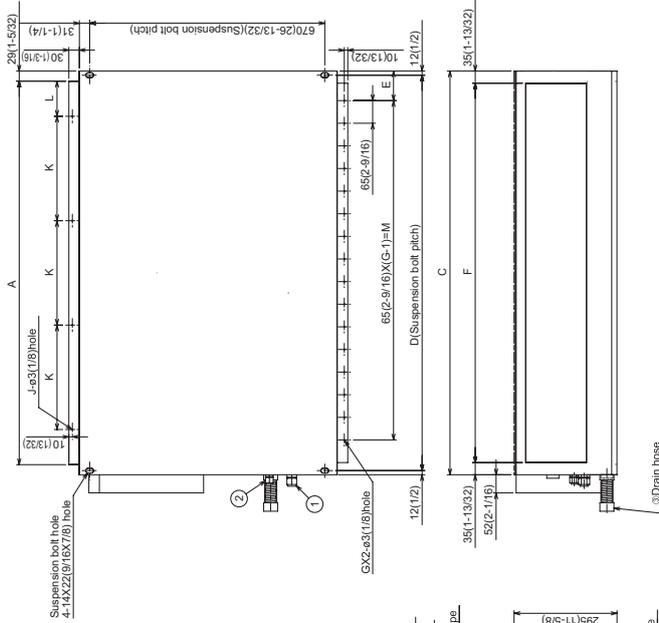
PDFY-P06,08,12,15,18,24,27,30NMU-E

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

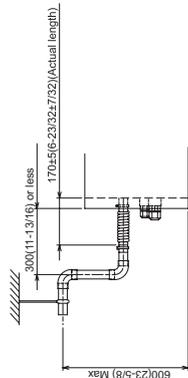
Required space for service and maintenance.
Keep the service space for the maintenance from the bottom when the heat exchanger is cleaned and fan motor or fan is changed.



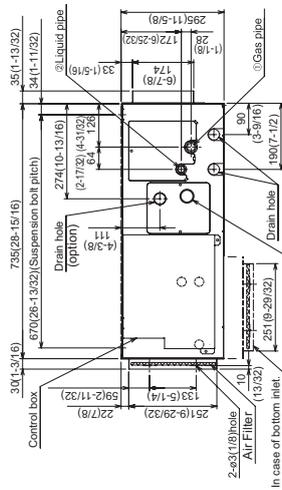
Make the access door at the appointed position properly for service maintenance.



- Note:1. Use M10 screw for the Suspension bolt (field supply).
- 2. On Model :18, you would use flare nut when connecting the Outdoor Unit for R22.



When installing the drain pump(option).



Model	mm(in.)												
	A	B	C	D	E	F	G	J	K	L	M	③ Drain hose	
PDFY-P06-08-12NMU-E	652 (25-11/16)	750 (29-1/2)	710 (27-13/32)	686 (27-1/8)	95 (3-3/4)	636 (25-1/16)	9	3	200 (7-7/8)	126 (4-31/32)	520 (20-15/32)	ø6.35(1/4)	
PDFY-P15NMU-E	902 (35-17/32)	1000 (39-3/8)	960 (37-3/16)	936 (36-7/8)	90 (3-9/16)	868 (34-1/8)	13	3	300 (11-13/16)	151 (5-31/32)	700 (27-1/2)	ø6.35(1/4)	
PDFY-P18NMU-E	902 (35-17/32)	1000 (39-3/8)	960 (37-3/16)	936 (36-7/8)	90 (3-9/16)	868 (34-1/8)	13	3	300 (11-13/16)	151 (5-31/32)	700 (27-1/2)	ø6.35(1/4)	
PDFY-P24-27-30NMU-E	1102 (43-3/32)	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)	ø9.52(3/8)	

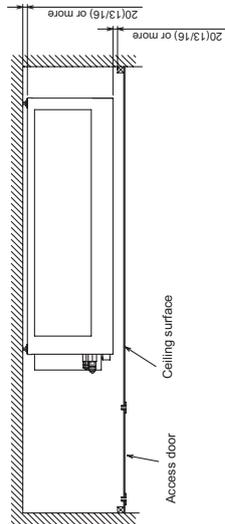
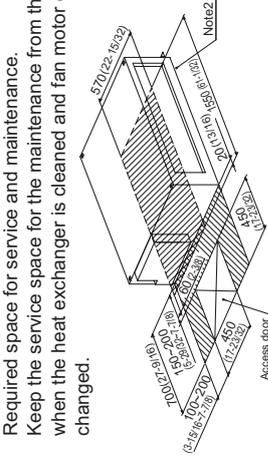
①: R410A outdoor unit
②: R22 outdoor unit

① Gas pipe <flare> ② Liquid pipe <flare>
③ Drain hose

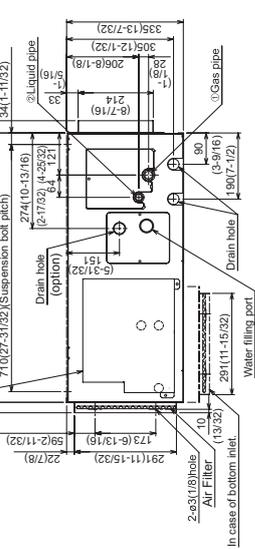
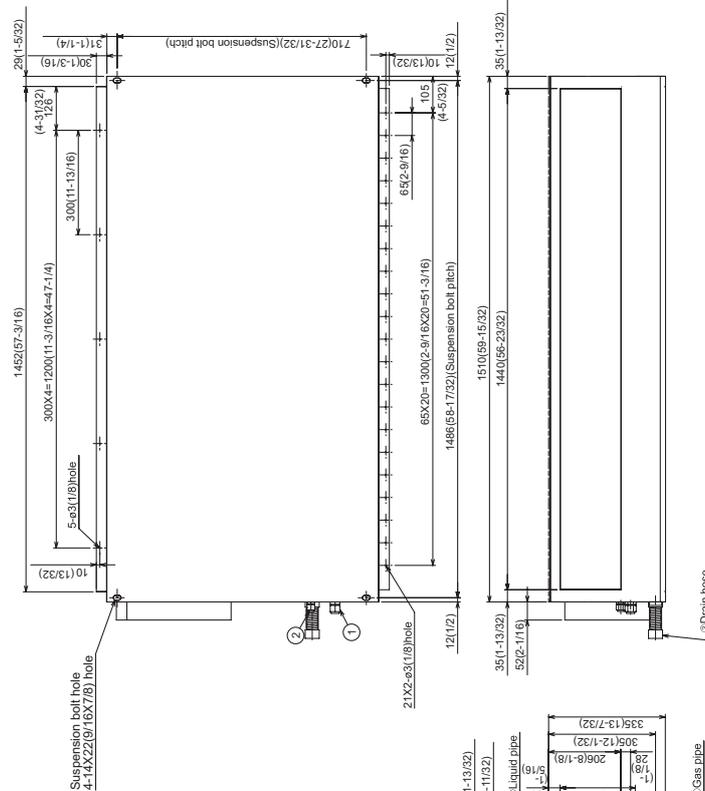
PDFY-P36,48NMU-E

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

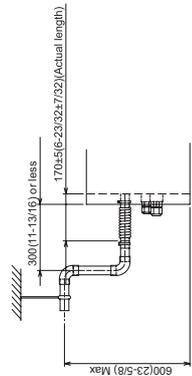
Required space for service and maintenance.
Keep the service space for the maintenance from the bottom when the heat exchanger is cleaned and fan motor or fan is changed.



Make the access door at the appointed position properly for service maintenance.



Note:1. Use M10 screw for the Suspension bolt (field supply).
2. On this model, you would use flare nut when connecting the Outdoor Unit for R22.

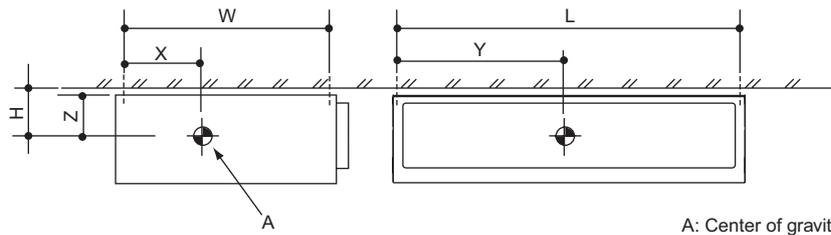


When installing the drain pump(option).

#1:R410A outdoor unit		#2:R22 outdoor unit		mm(in)	
Model	① Gas pipe <flare>	② Liquid pipe <flare>	③ Drain hose	④ Drain hose I.D. 32mm (1-1/4inch) <flexible joint >	⑤ Accessory
PDFY-P36NMU-E	#1 ϕ15.85(5/8)	—	—	ϕ9.52(3/8)	—
PDFY-P48NMU-E	#1 ϕ19.05(3/4)	—	—	ϕ9.52(3/8)	—
	#2 ϕ15.85(5/8)	—	—	—	—
	#2 ϕ19.05(3/4)	—	—	—	—

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

Ref.: PDFY_NMU_COG_USDB_ALL



A: Center of gravity

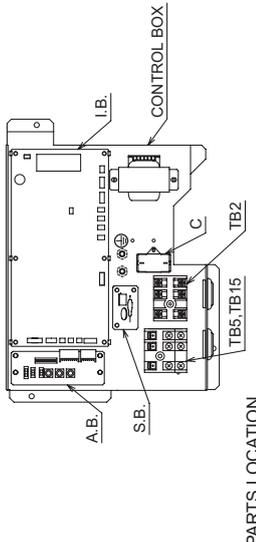
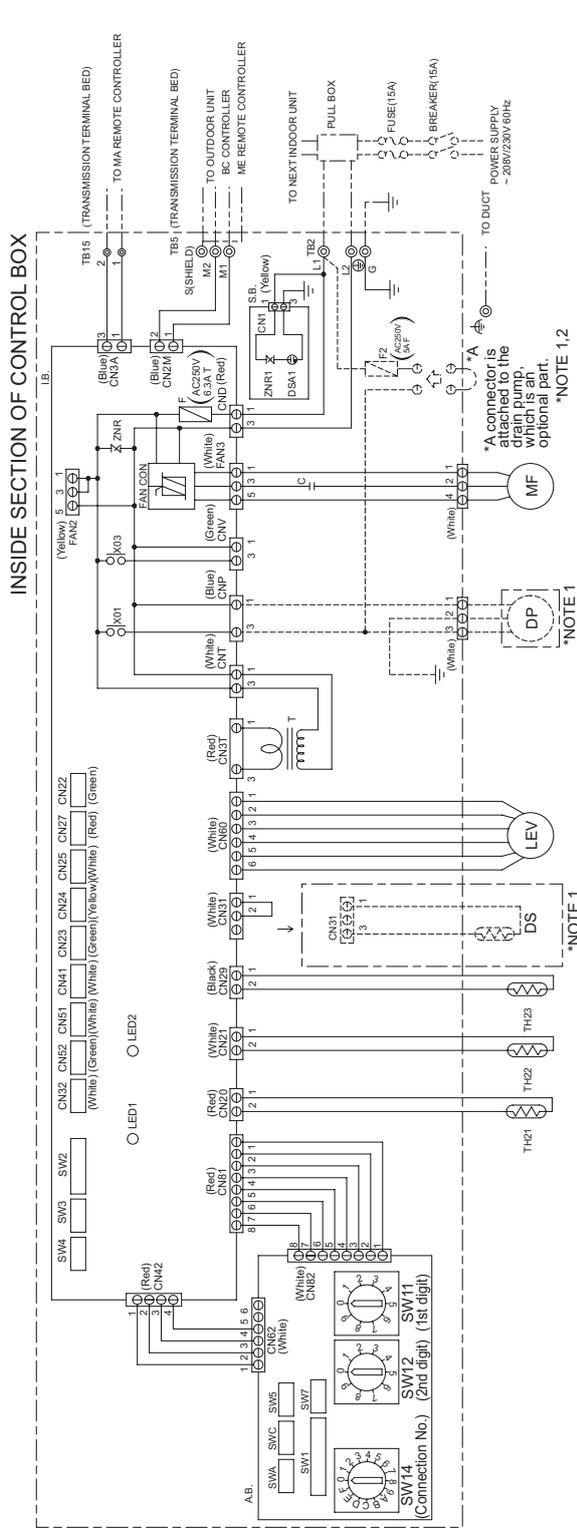
(mm)[in]

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

PDFY



PARTS LOCATION

- 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.

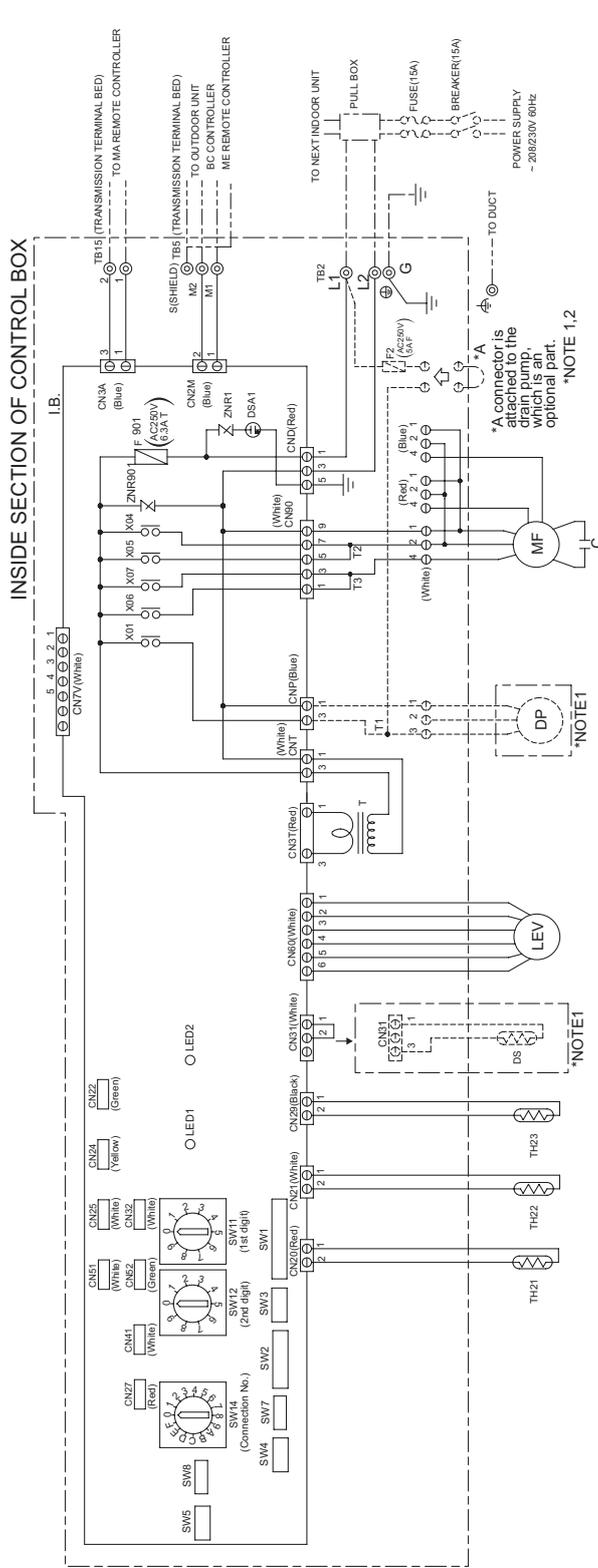
SYMBOL EXPLANATION

SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
MF	Fan motor	TH21	Thermistor (inlet temp. detection)	X01, X03	Aux relay
C	Capacitor (for MF)	TH22	Thermistor (piping temp. detection/liquid)	S.B.	Surge absorber board
I.B.	Indoor controller board	TH23	Thermistor (piping temp. detection/gas)	SWA(A.B.)	Switch (optional parts)
A.B.	Address board	LED1	Power supply (I.B.)	SWC(A.B.)	Switch (optional parts)
TB2	Power source terminal bed	LED2	Power supply (Remote controller)	SW11(A.B.)	Switch (1st digit address set)
TB5	Transmission terminal bed	CNV	Connector	SW12(A.B.)	Switch (2nd digit address set)
TB15	Transmission terminal bed	CN22	Connector	SW14(A.B.)	Switch (connection No set)
F	Fuse AC250V 6.3A T	CN23	Connector	SW5(A.B.)	Switch(for mode selection)
<F2>	Fuse AC250V 5A F	CN24	Connector	SW7(A.B.)	Switch(for model selection)
T	Transformer	CN25	Connector	SW2(L.B.)	Switch(for capacity code)
<DP>	Drain pump	CN32	Connector (Centrally control)	SW3(L.B.)	Switch(for mode selection)
<DS>	Drain sensor	CN41	Connector (HA terminal-A)	SW4(L.B.)	Switch(for model selection)
LEV	Electronic linear expans. valve	CN51	Connector (Centrally control)		
ZNR, ZNR1	Variistor	CN52	Connector (Remote indication)		

Inside < > is the optional parts.

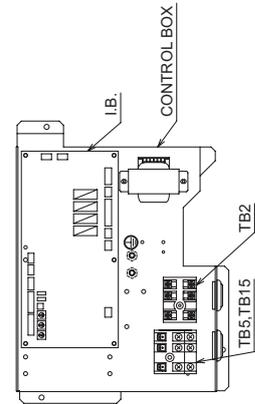
PDFY-P36,48NMU-E

Draw. : IU-W660135



*A connector is attached to the drain pump, which is an optional part.
*NOTE 1, 2

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.

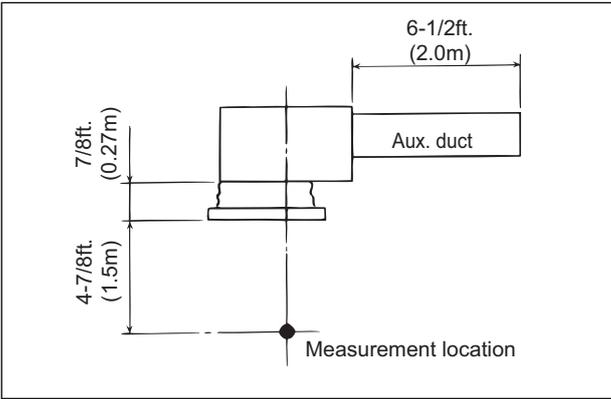


PARTS LOCATION

SYMBOL	EXPLANATION	SYMBOL	NAME	SYMBOL	NAME
MF	Fan motor	SW11	Switch (1st digit address set)	CNV	Connector
C	Capacitor (for MF)	SW12	Switch (2nd digit address set)	CN22	Connector
I.B.	Indoor controller board	SW14	Switch (connection No. set)	CN24	Connector
TB2	Power source terminal bed	SW1	Switch (for mode selection)	CN25	Connector
TB5	Transmission terminal bed	SW2	Switch (for capacity code)	CN27	Connector
TB15	Transmission terminal bed	SW3	Switch (for modal selection)	CN32	Connector (centrally control)
F901	Fuse AC250V 6.3A T	SW4	Switch (for modal selection)	CN41	Connector (HA terminal-A)
ZNR1,ZNR801	Varistor	SW5	Switch (for voltage selection)	CN51	Connector (centrally control)
T	Transformer	SW7	Switch (for modal selection)	CN52	Connector (remote indication)
LEV	Electronic linear expansion valve	SW8	Switch (for mode selection 3)	LED1	Power supply (I.B.)
TH21	Thermistor (inlet temp. detection)	X01,X04-X07	Aux. relay	LED2	Power supply (Remote controller)
TH22	Thermistor (piping temp. detection/liquid)	<T1>,T2,T3	Terminal	<DS>	Drain pump
TH23	Thermistor (piping temp. detection/gas)	<F2>	Fuse AC250V 5A F	<F2>	Fuse AC250V 5A F

5-1. Sound levels

PDFY-P-NMU-E



* Measured in anechoic room

Operating sound levels

(Low - (Middle2 - Middle1) - High)

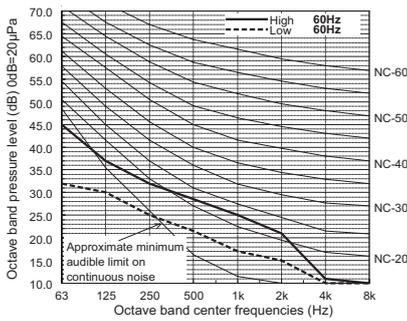
Unit : dB (A)

Model		Sound 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

5-2. NC curves

PDFY-P06,08,12NMU-E

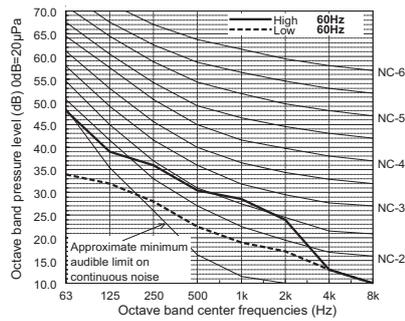
External Static Pressure: 30Pa
Power Source: 208V 60Hz



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PDFY-P06,08,12NMU-E

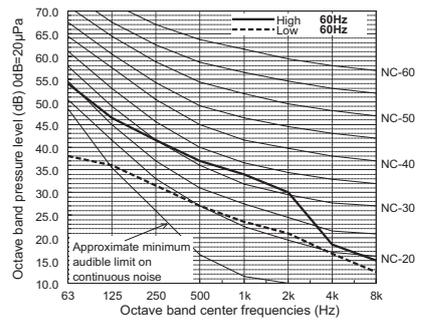
External Static Pressure: 50Pa
Power Source: 208V 60Hz



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PDFY-P06,08,12NMU-E

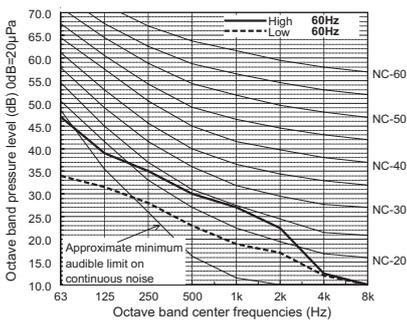
External Static Pressure: 80Pa
Power Source: 208V 60Hz



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PDFY-P06,08,12NMU-E

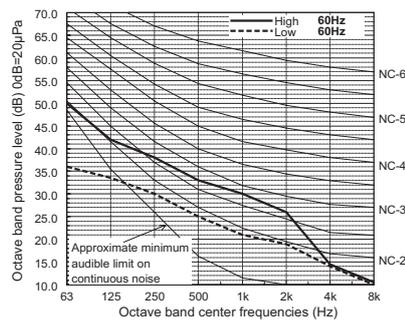
External Static Pressure: 40Pa
Power Source: 230V 60Hz



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PDFY-P06,08,12NMU-E

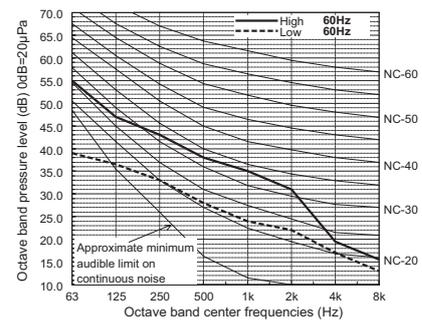
External Static Pressure: 60Pa
Power Source: 230V 60Hz



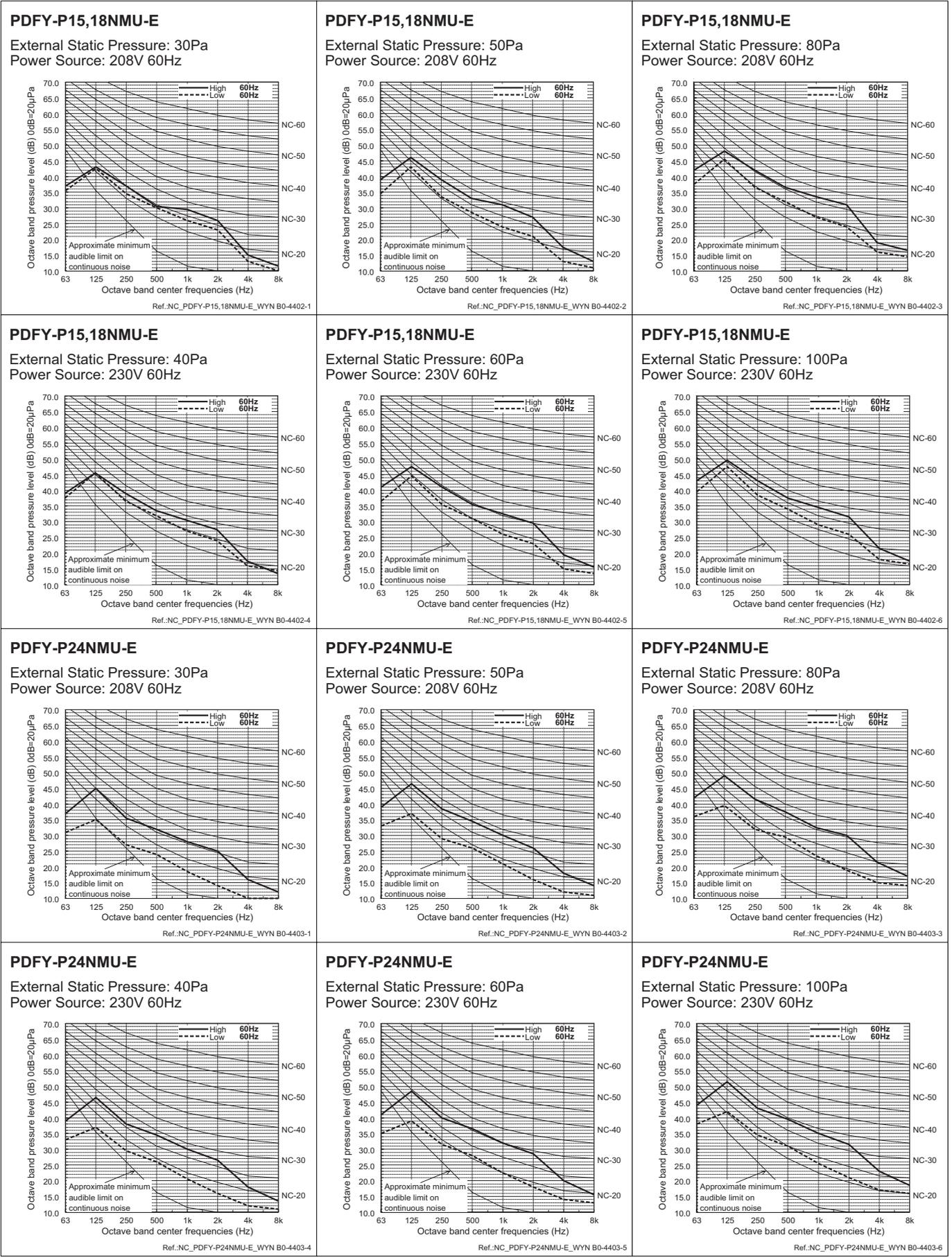
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PDFY-P06,08,12NMU-E

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

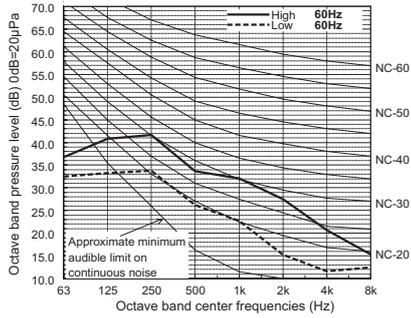


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PDFY-P27NMU-E

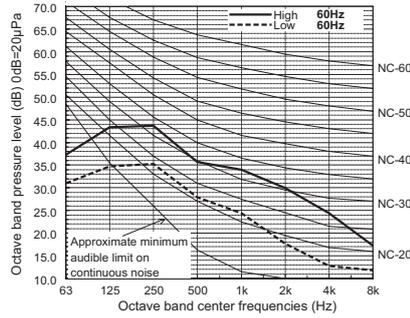
External Static Pressure: 30Pa
Power Source: 208V 60Hz



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PDFY-P27NMU-E

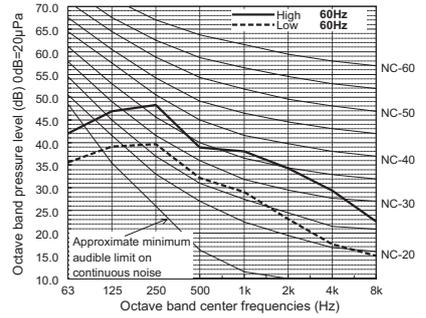
External Static Pressure: 50Pa
Power Source: 208V 60Hz



Ref.NC_PDFY-P27NMU-E_WYN B0-4404-2

PDFY-P27NMU-E

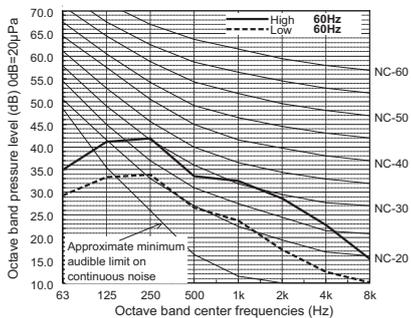
External Static Pressure: 80Pa
Power Source: 208V 60Hz



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PDFY-P27NMU-E

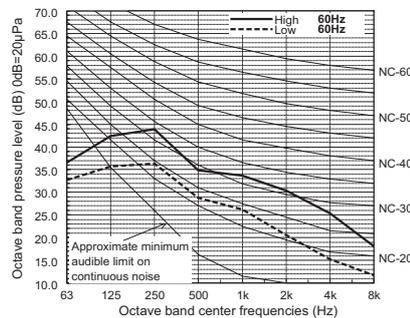
External Static Pressure: 40Pa
Power Source: 230V 60Hz



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PDFY-P27NMU-E

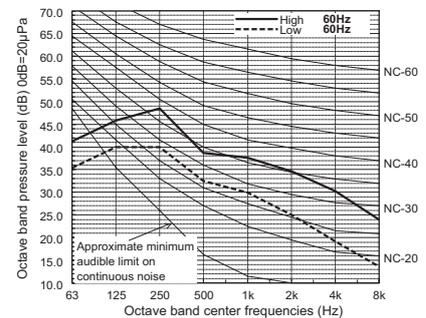
External Static Pressure: 60Pa
Power Source: 230V 60Hz



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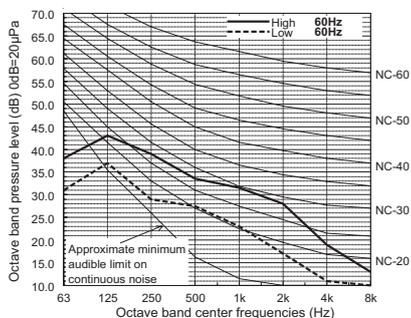
External Static Pressure: 100Pa
Power Source: 230V 60Hz



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PDFY-P30NMU-E

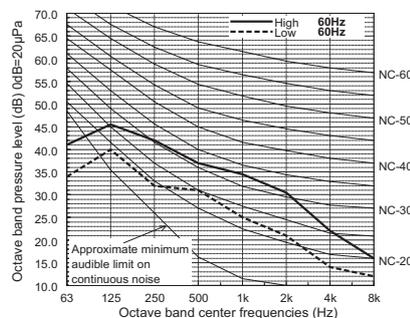
External Static Pressure: 30Pa
Power Source: 208V 60Hz



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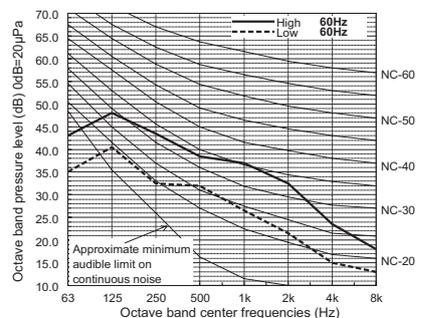
External Static Pressure: 50Pa
Power Source: 208V 60Hz



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PDFY-P30NMU-E

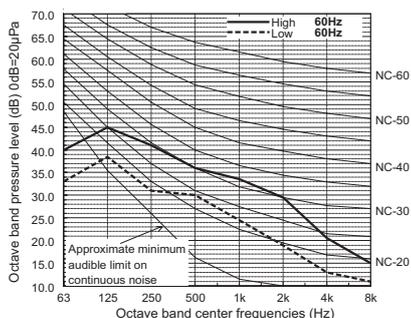
External Static Pressure: 100Pa
Power Source: 208V 60Hz



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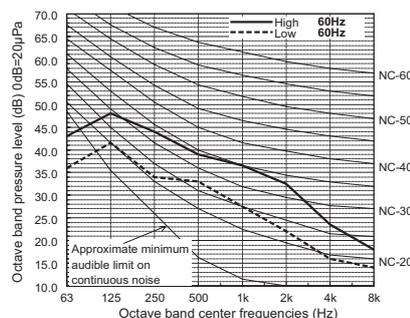
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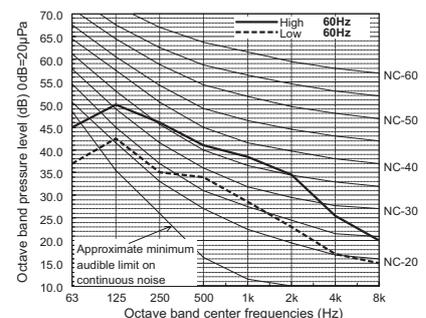
External Static Pressure: 60Pa
Power Source: 230V 60Hz



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PDFY-P30NMU-E

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



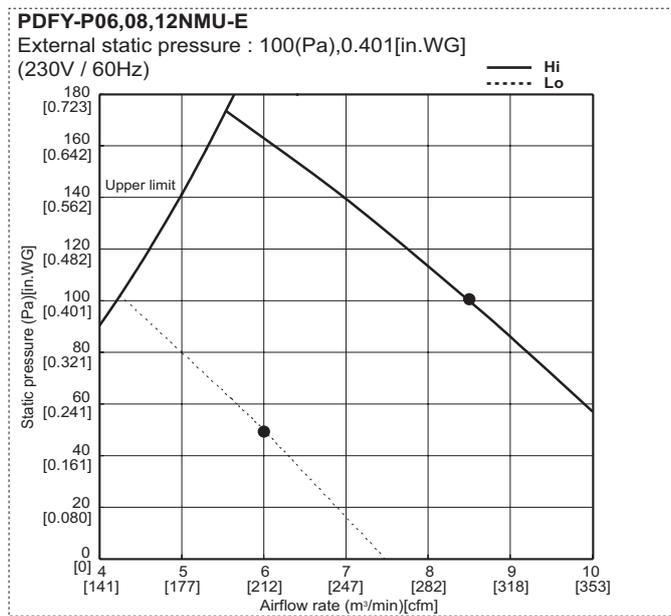
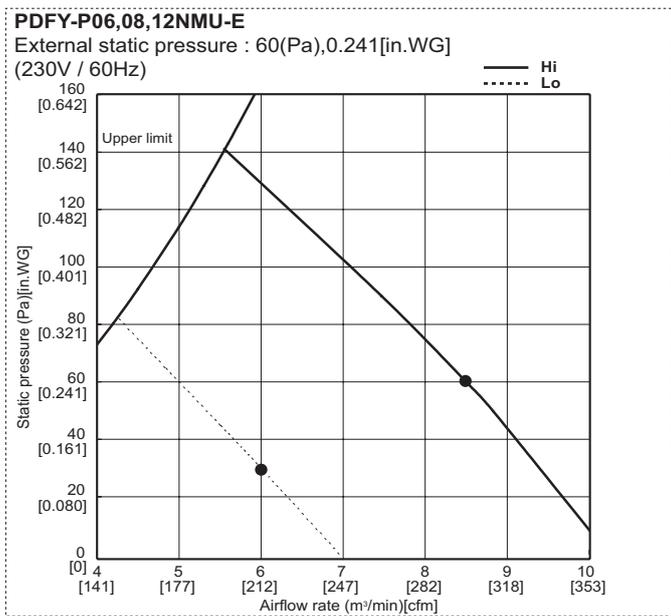
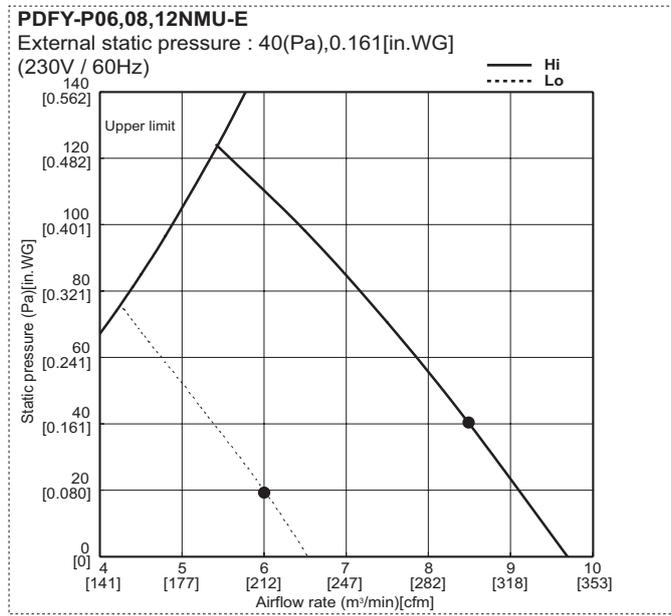
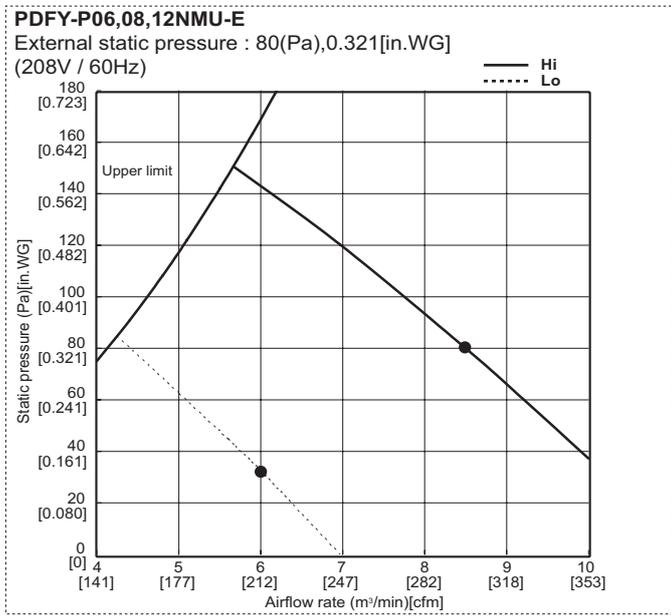
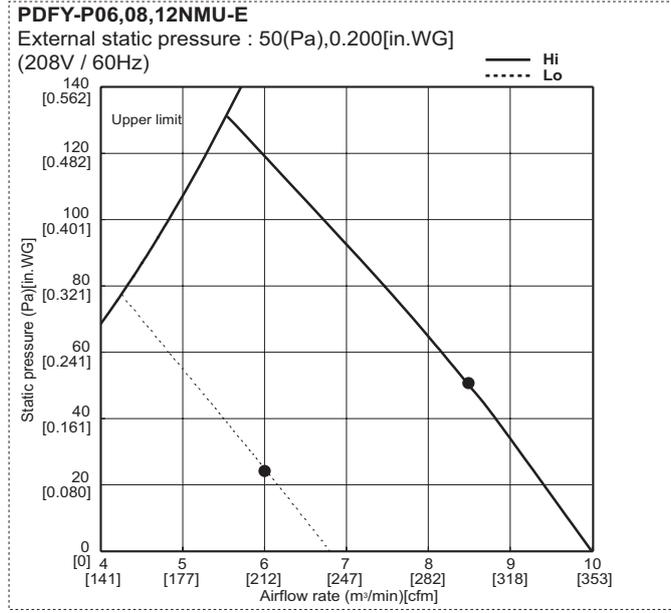
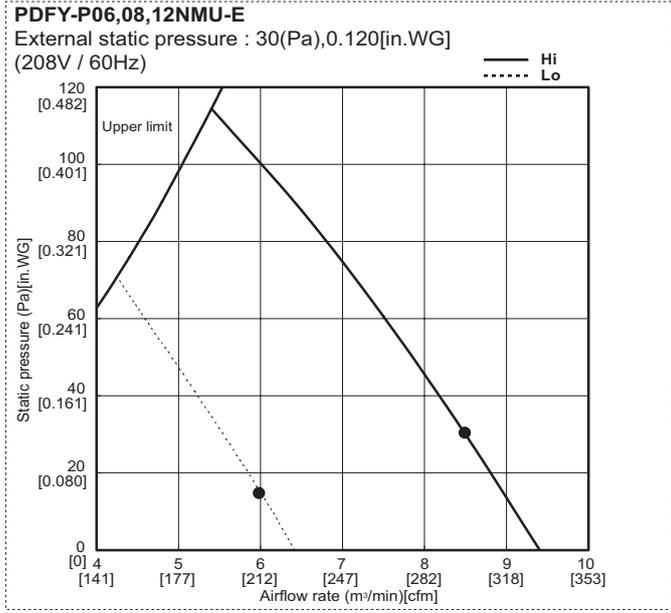
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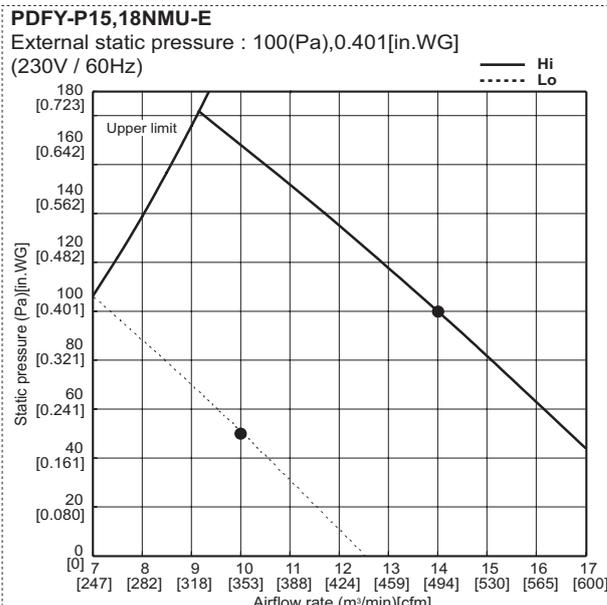
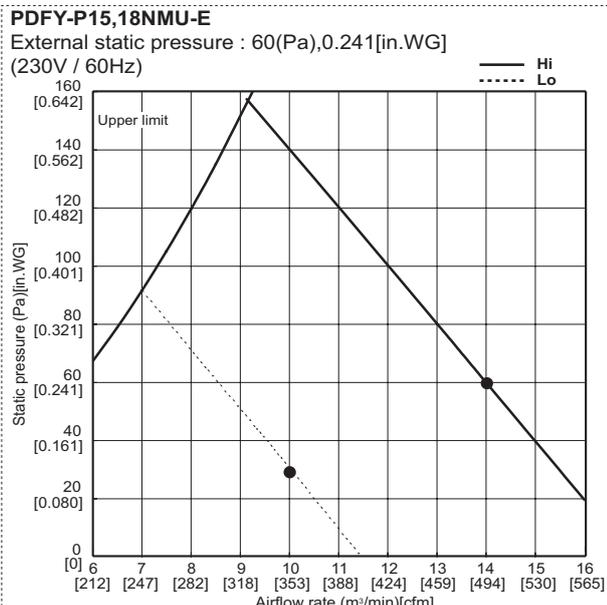
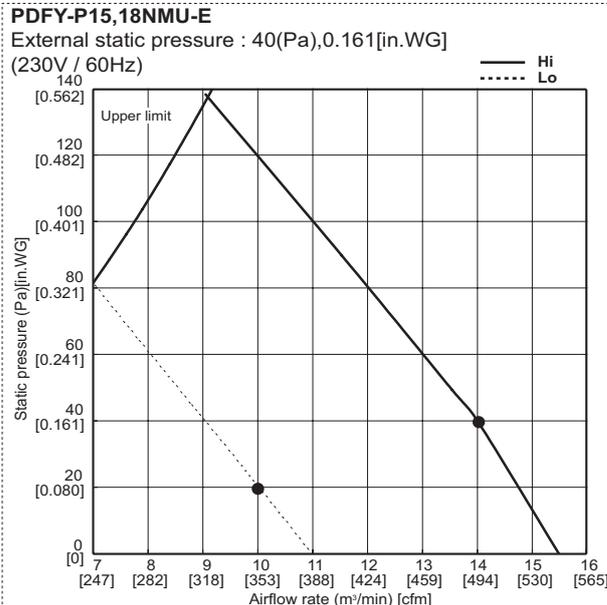
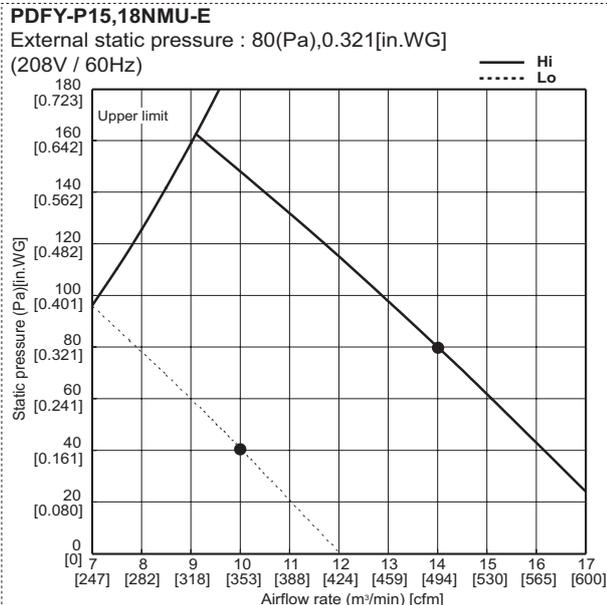
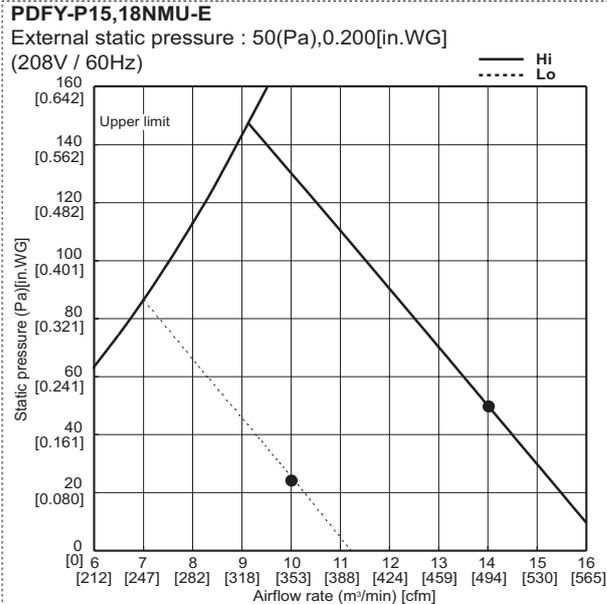
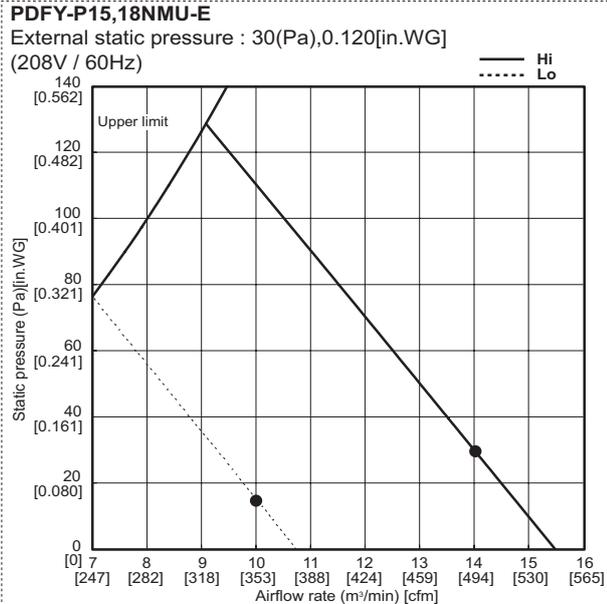
PDFY

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<p>PDFY-P36NMU-E</p> <p>External Static Pressure: 60Pa Power Source: 230V 60Hz</p> <p>Ref.:NC_PDFY-P36NMU-E_WYN B0-4406-4</p>	<p>PDFY-P36NMU-E</p> <p>External Static Pressure: 115Pa Power Source: 230V 60Hz</p> <p>Ref.:NC_PDFY-P36NMU-E_WYN B0-4406-5</p>	<p>PDFY-P36NMU-E</p> <p>External Static Pressure: 150Pa Power Source: 230V 60Hz</p> <p>Ref.:NC_PDFY-P36NMU-E_WYN B0-4406-6</p>
<p>PDFY-P48NMU-E</p> <p>External Static Pressure: 50Pa Power Source: 208V 60Hz</p> <p>Ref.:NC_PDFY-P48NMU-E_WYN B0-4407-1</p>	<p>PDFY-P48NMU-E</p> <p>External Static Pressure: 100Pa Power Source: 208V 60Hz</p> <p>Ref.:NC_PDFY-P48NMU-E_WYN B0-4407-2</p>	<p>PDFY-P48NMU-E</p> <p>External Static Pressure: 130Pa Power Source: 208V 60Hz</p> <p>Ref.:NC_PDFY-P48NMU-E_WYN B0-4407-3</p>
<p>PDFY-P48NMU-E</p> <p>External Static Pressure: 60Pa Power Source: 230V 60Hz</p> <p>Ref.:NC_PDFY-P48NMU-E_WYN B0-4407-4</p>	<p>PDFY-P48NMU-E</p> <p>External Static Pressure: 115Pa Power Source: 230V 60Hz</p> <p>Ref.:NC_PDFY-P48NMU-E_WYN B0-4407-5</p>	<p>PDFY-P48NMU-E</p> <p>External Static Pressure: 150Pa Power Source: 230V 60Hz</p> <p>Ref.:NC_PDFY-P48NMU-E_WYN B0-4407-6</p>

6. FAN CHARACTERISTICS CURVES

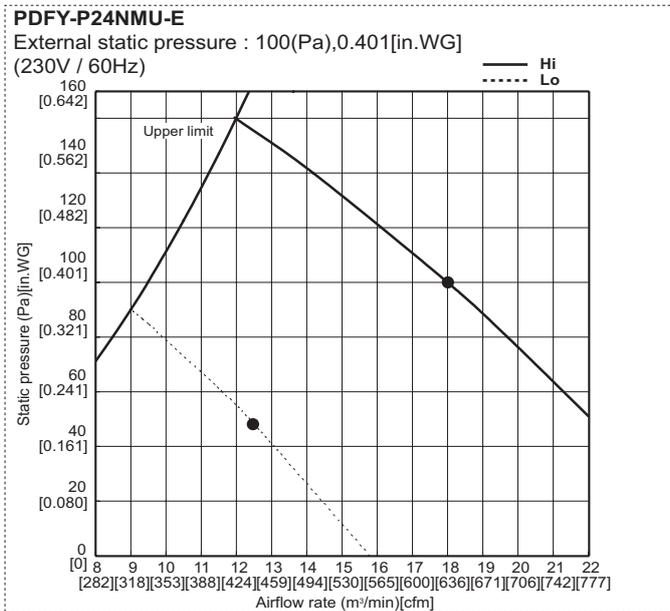
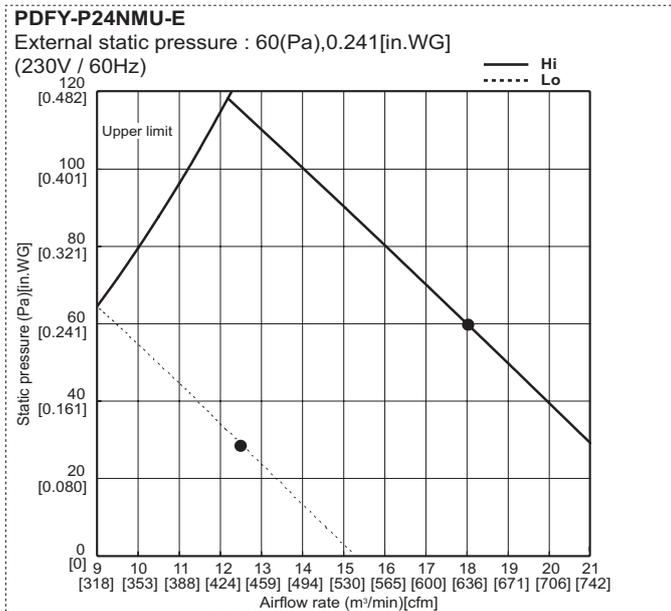
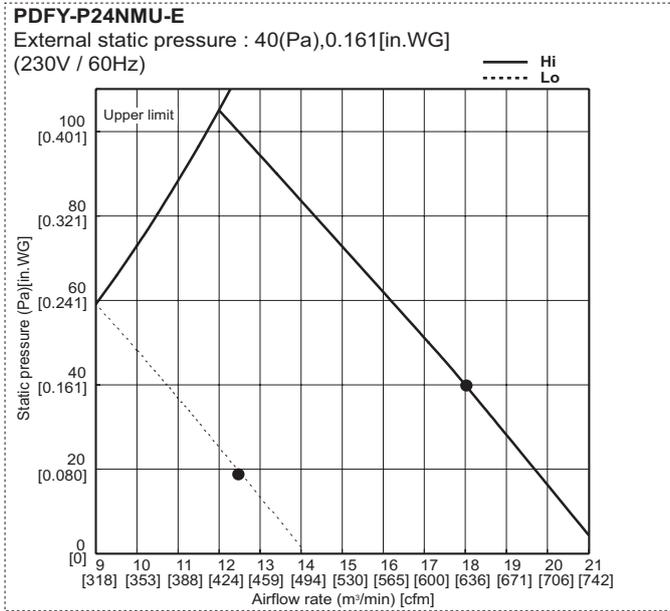
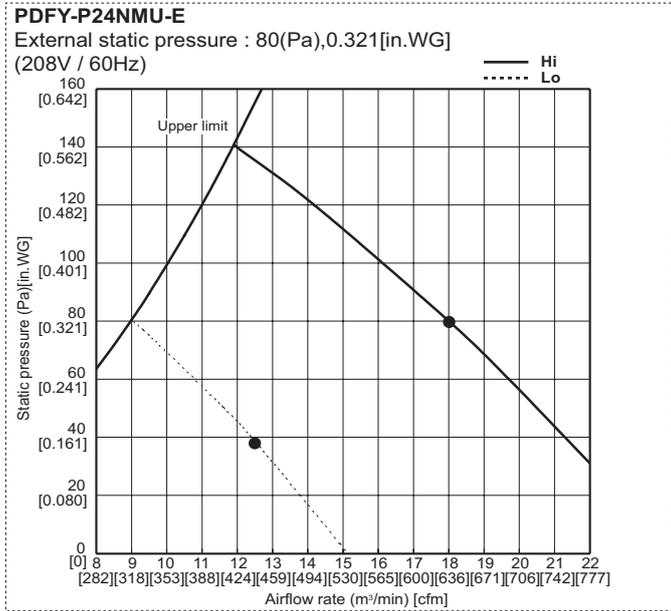
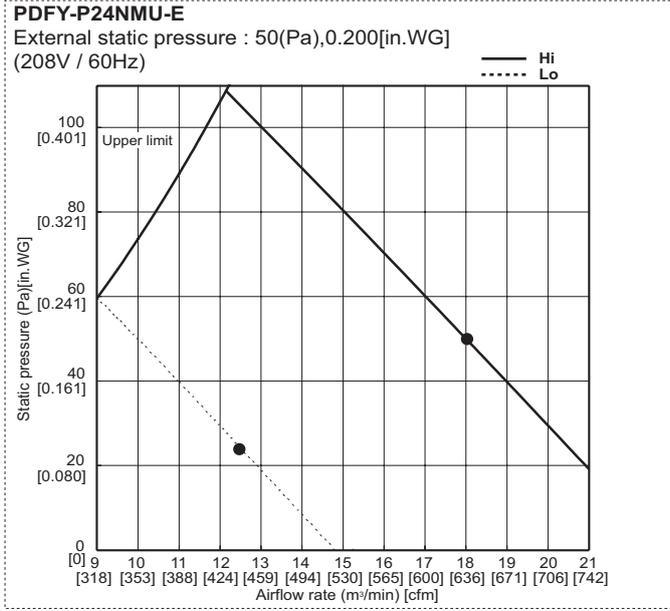
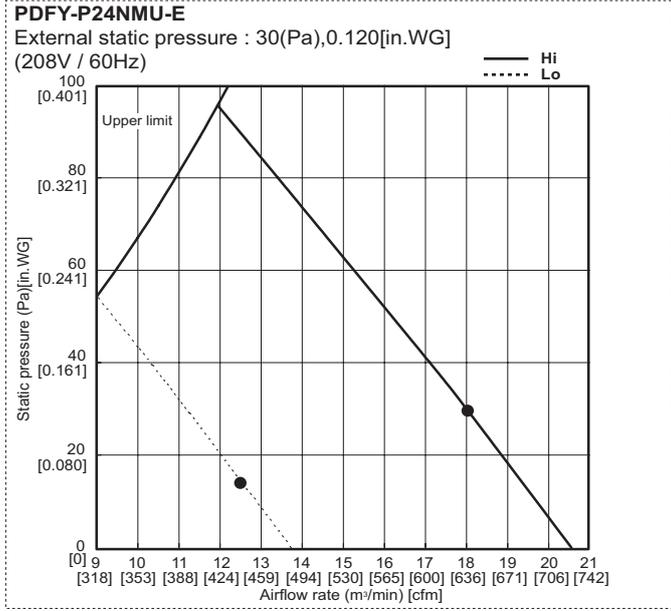
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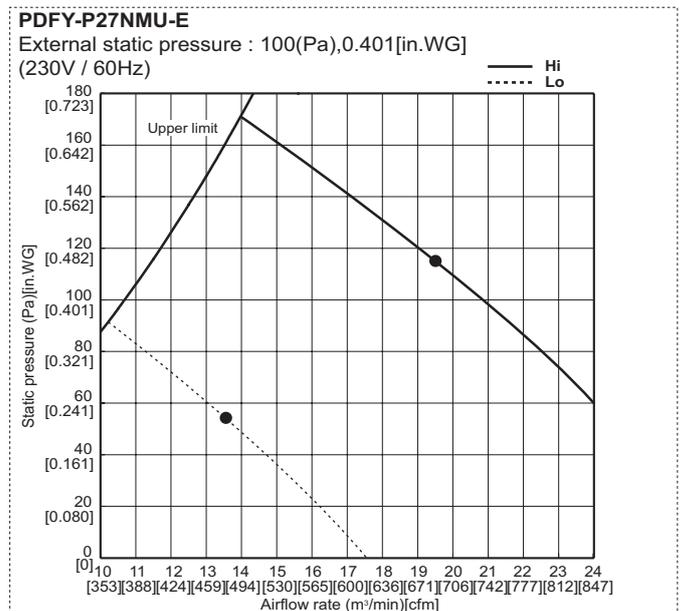
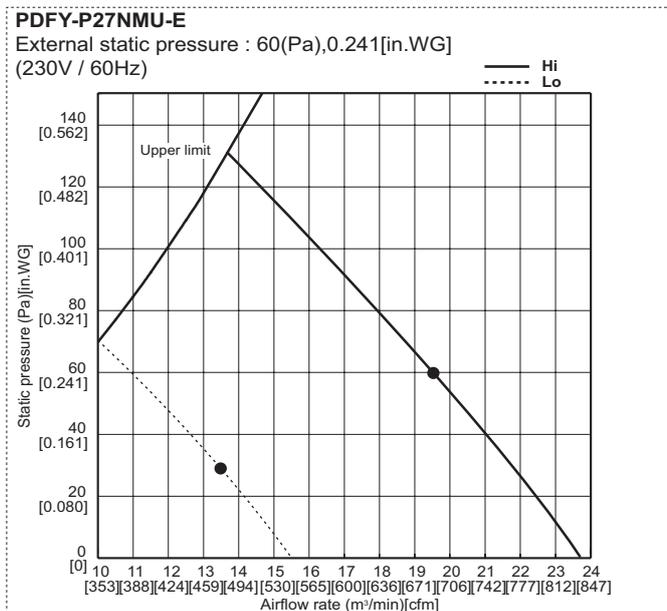
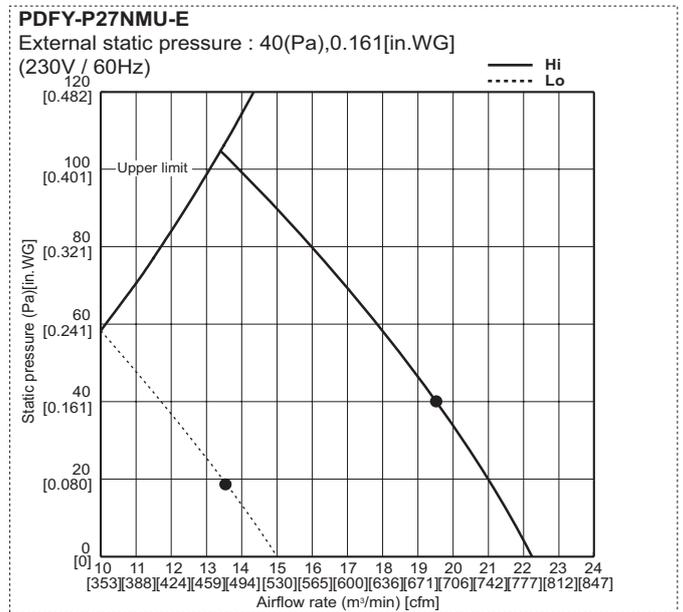
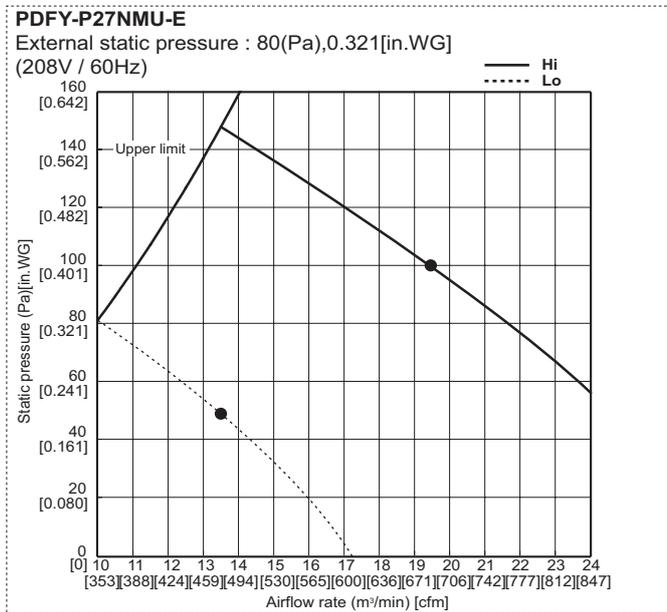
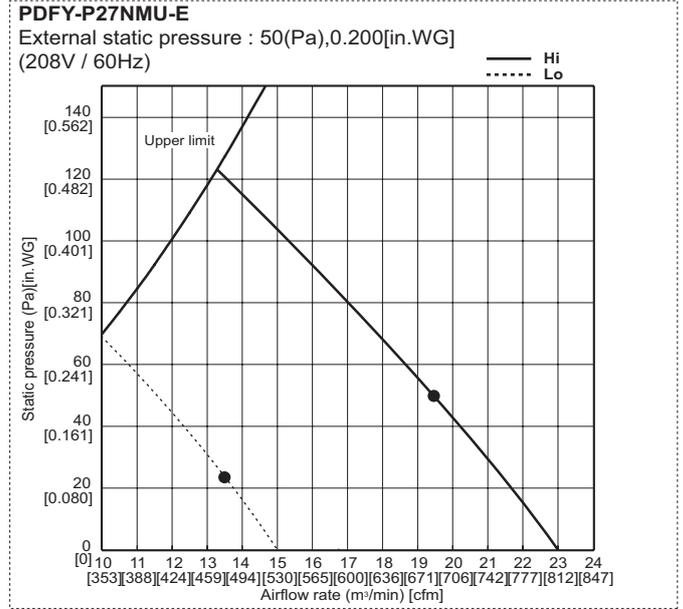
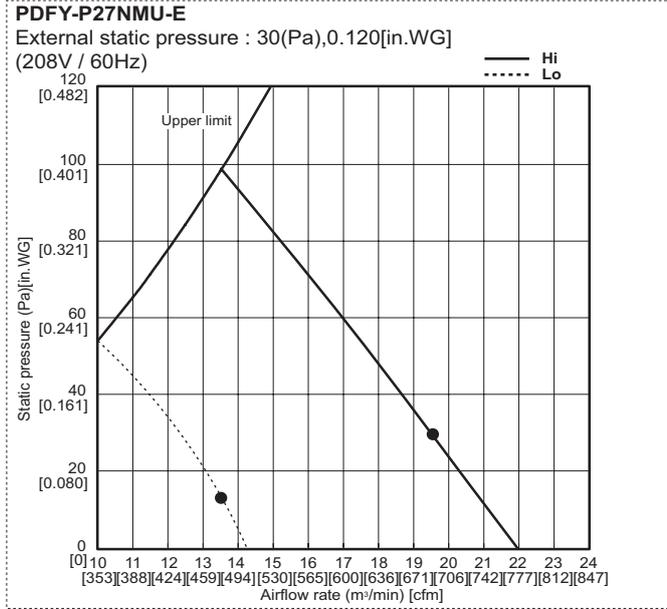




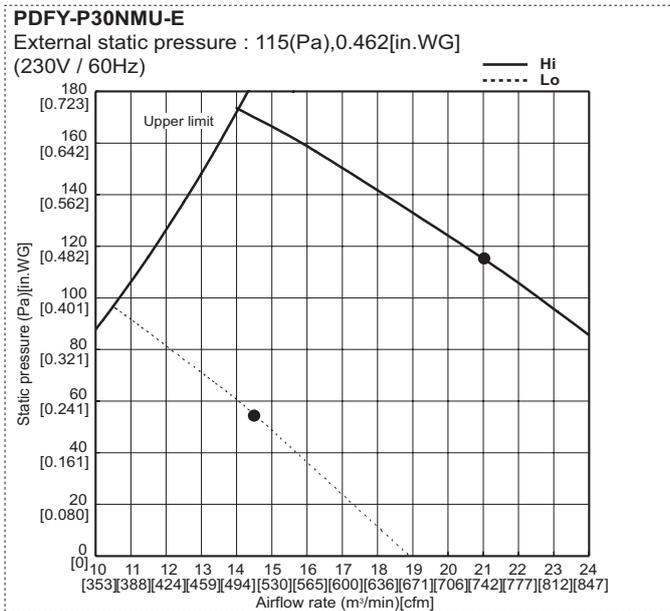
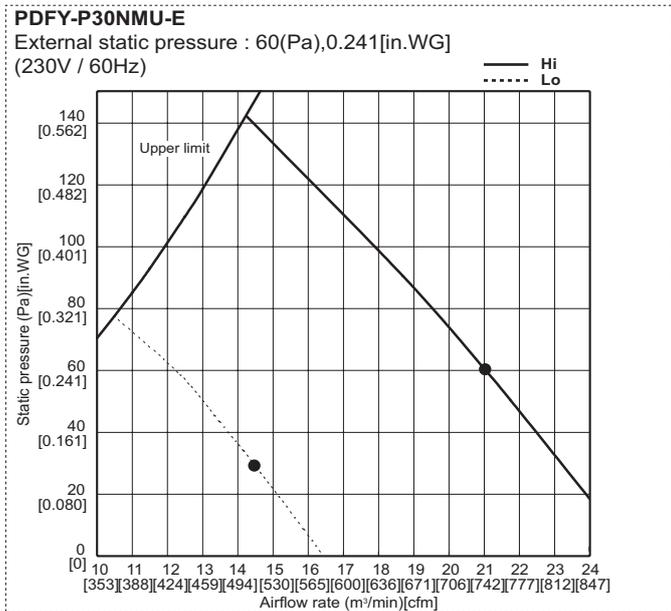
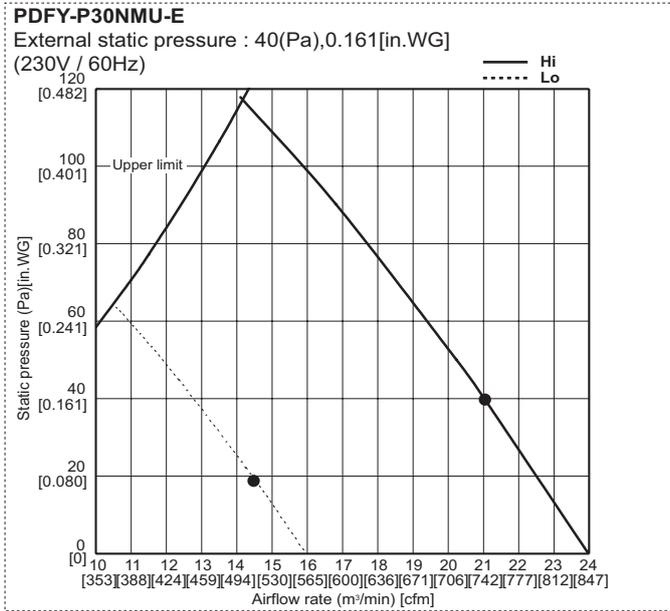
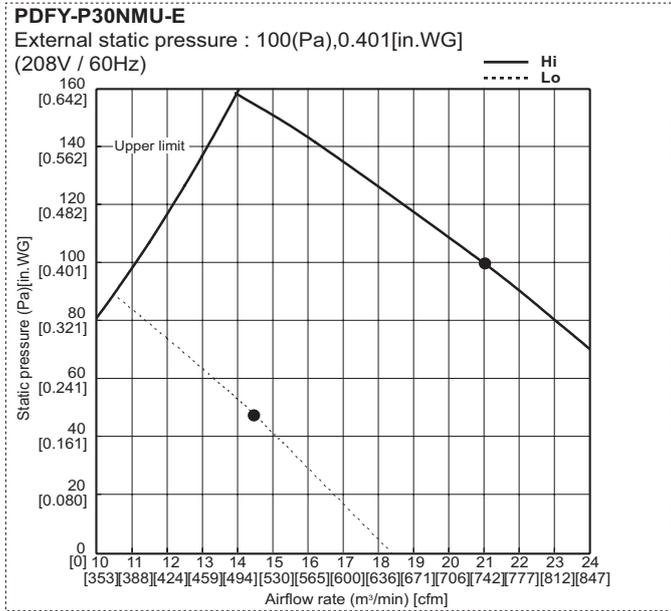
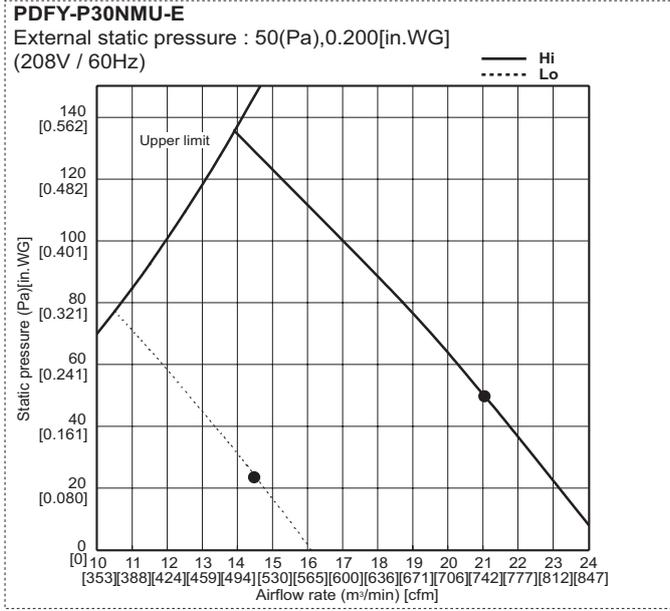
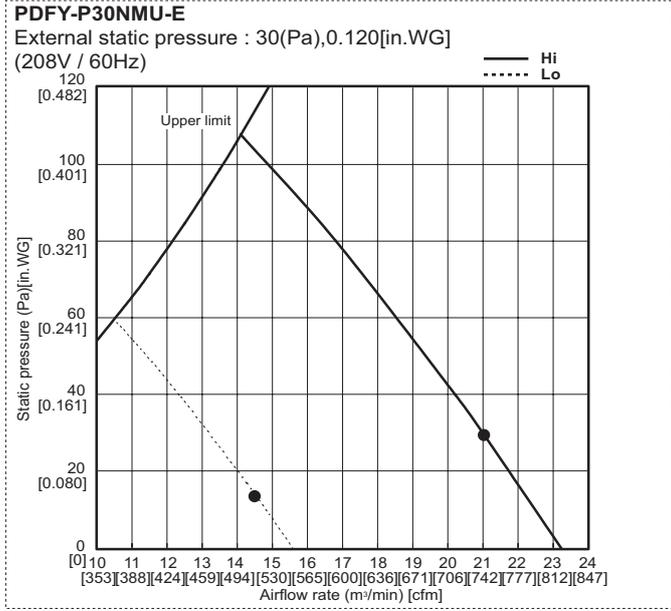
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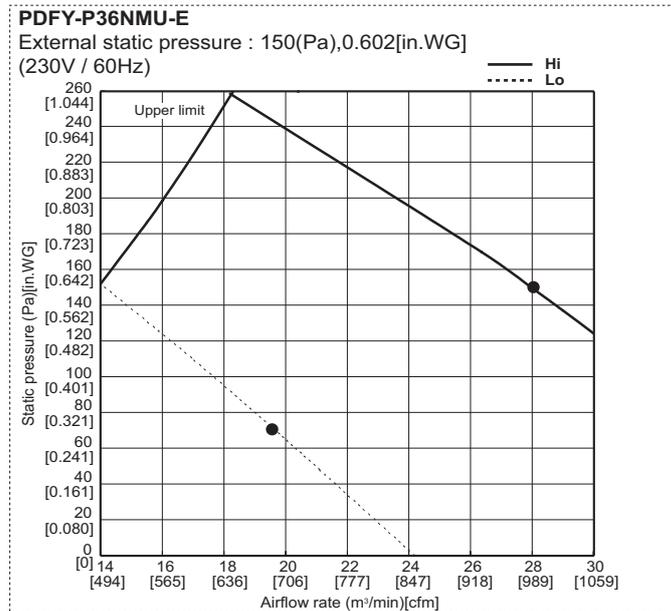
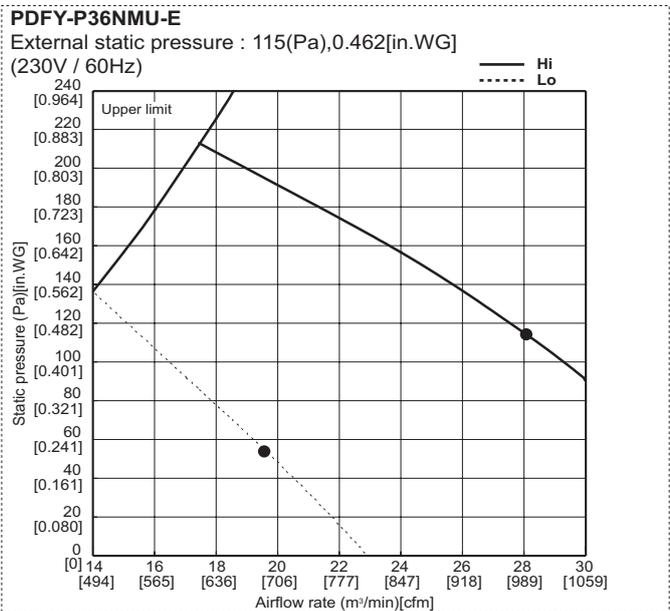
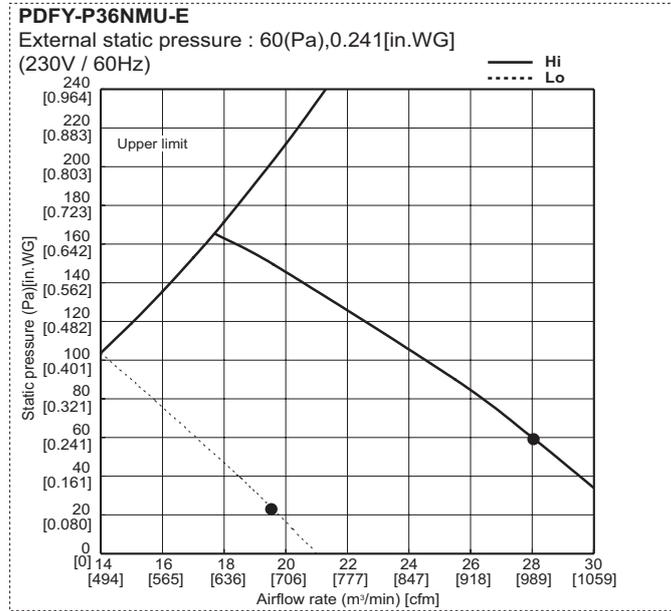
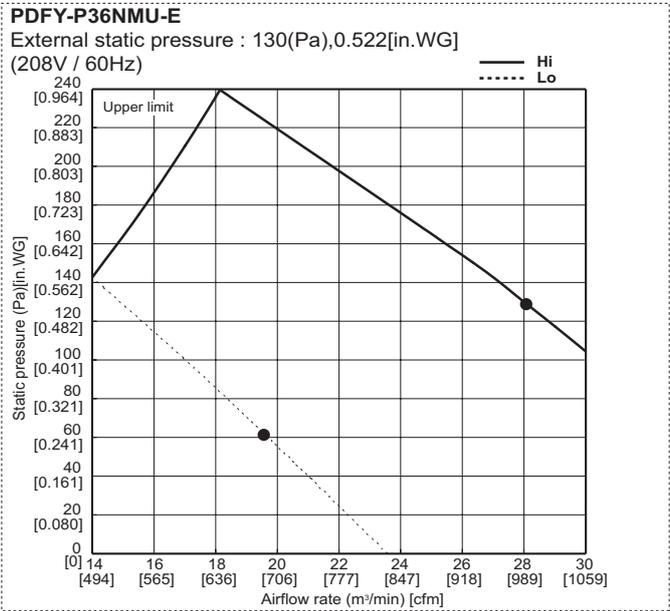
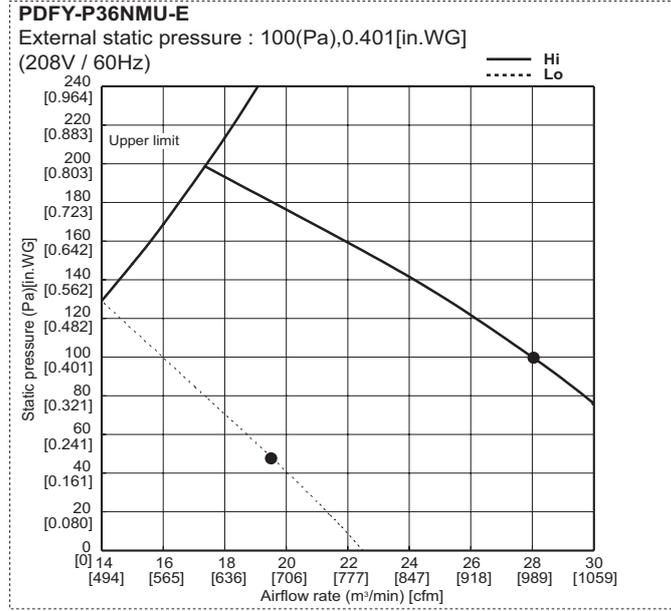
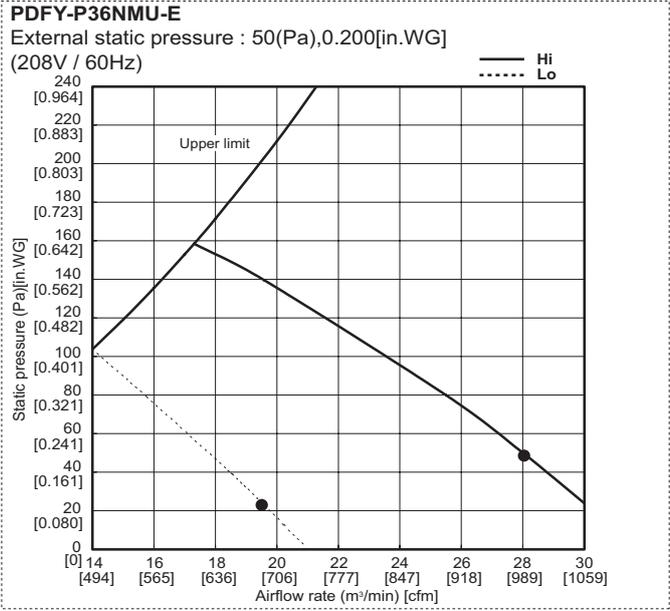




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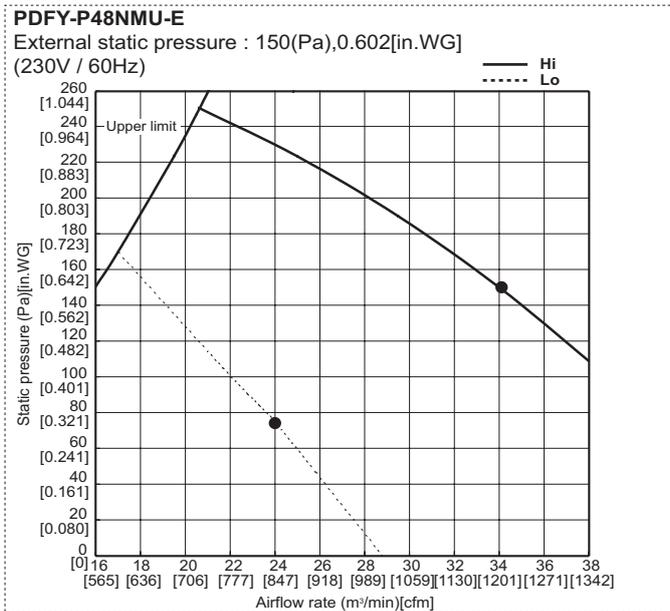
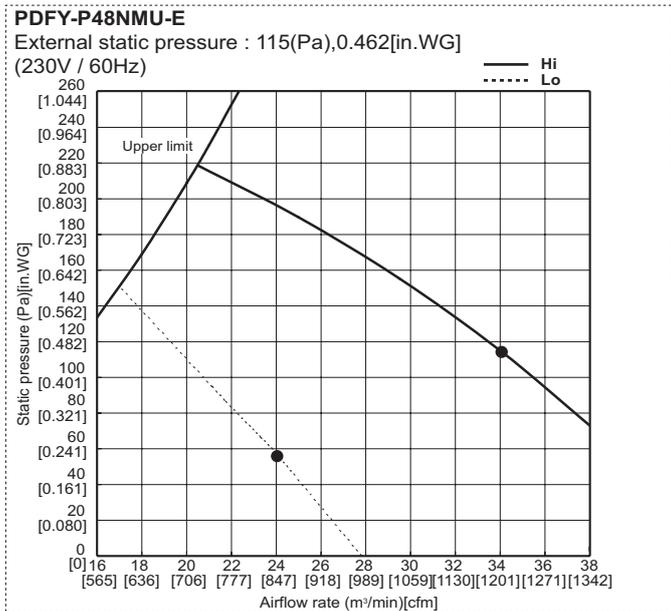
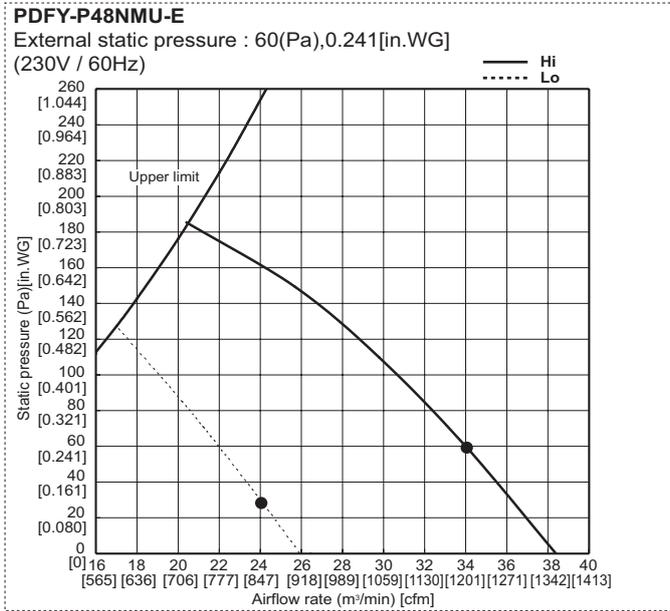
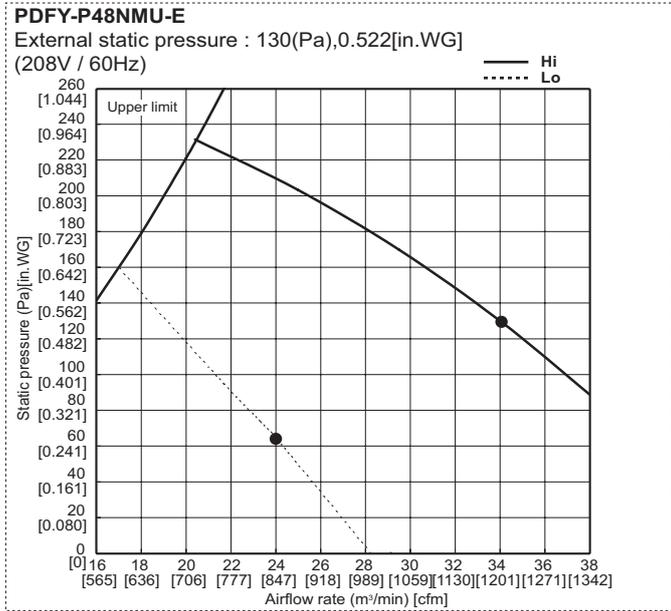
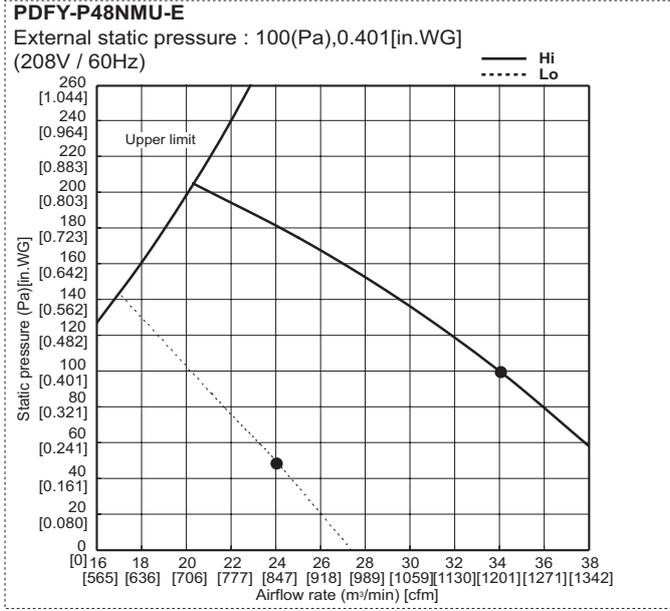
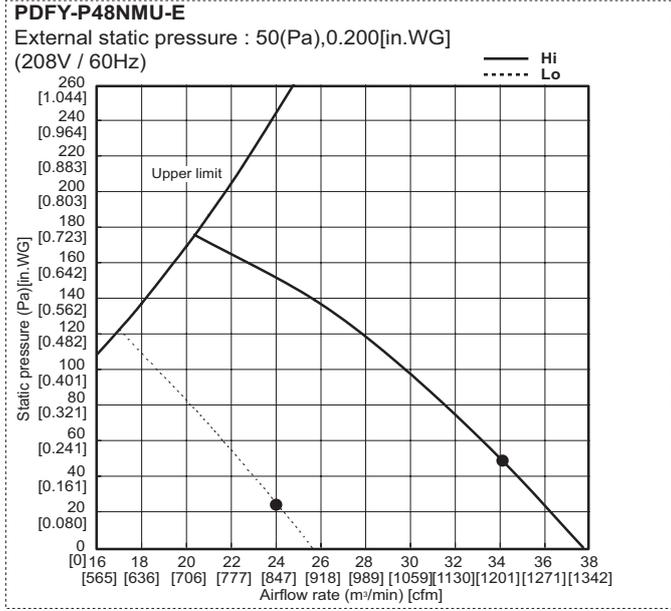


6. FAN CHARACTERISTICS CURVES



6. FAN CHARACTERISTICS CURVES

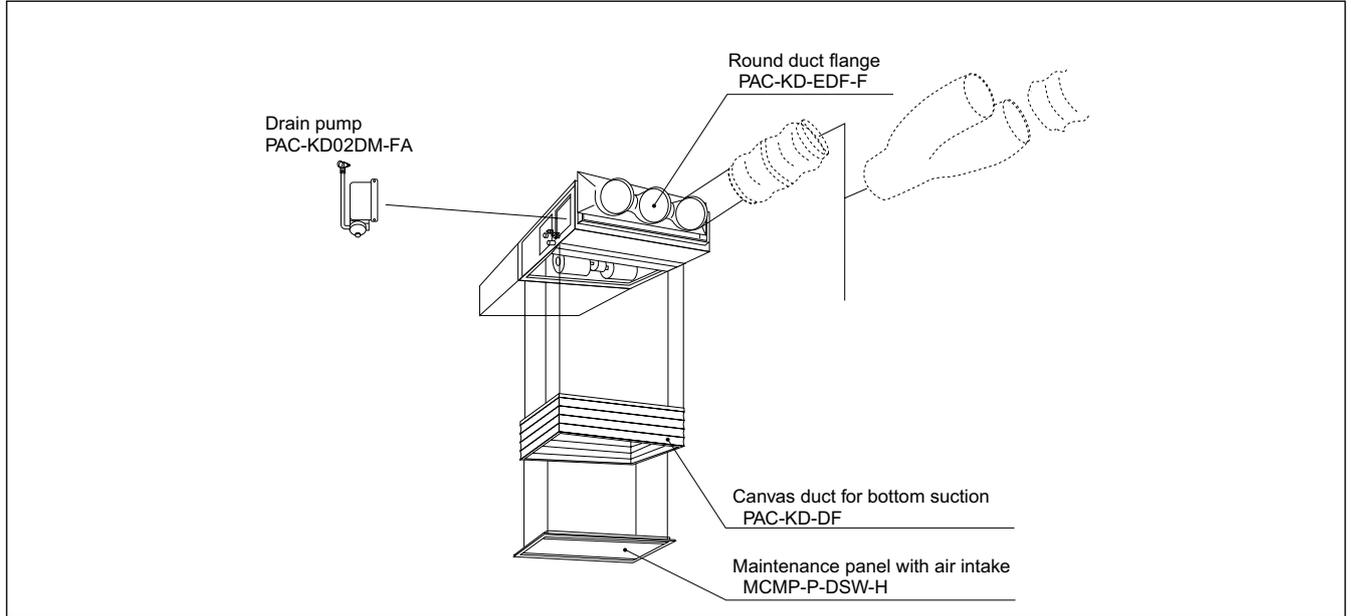
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7-1. Optional parts line up for the Indoor unit

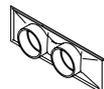
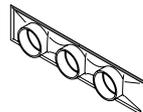
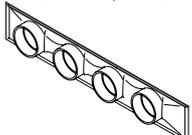
	Circular duct flange	Drain pump	Maintenance panel with air intake	External heater adaptor
PDFY-P06,08,12NMU-E	PAC-KD32EDF-F	PAC-KD02DM-FA	MCMP-P36DSW-H	PAC-YU24HT-F
PDFY-P15,18NMU-E	PAC-KD50EDF-F	PAC-KD02DM-FA	MCMP-P56DSW-H	PAC-YU24HT-F
PDFY-P24,27,30NMU-E	PAC-KD80EDF-F	PAC-KD02DM-FA	MCMP-P90DSW-H	PAC-YU24HT-F
PDFY-P36,48NMU-E	PAC-KD125EDF-F	PAC-KD02DM-FA	MCMP-P160DSW-H	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			<for PDFY-P06, 08, 12, 15, 18NMU-E> 	<for PDFY-P24, 27, 30NMU-E> 	<for PDFY-P36, 48NMU-E> 

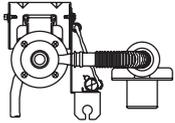
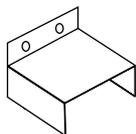
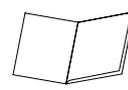
Detailed installation information should be referred to its Installation Manual (WT02840X02)

Screws

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

7-3. Drain pump PAC-KE02DM-F

If drain water can not flow out the Indoor unit by gravity and gradient, a Drain pump for draining is needed.
 Drain pump PAC-KE02DM-F can pump water up to 550mm [21-21/32 in.] high from the drain pan.

Item	① Drain pump assy.	② Pump cover assy.	③ Rubber plug	④ Band
Quantity	1	1	1	1
Shape				
Item	⑤ PTT screw 4x10	⑥ Screw 4x10	⑦ Connector	⑧ Installation manual
Quantity	2	2	1	1
Shape		 (Light brown)		

Detailed installation information should be referred to its Installation Manual (WT03311X01)

7-4. Maintenance panel with air intake MCMP-P-DSW-H for PDFY-P-NMU-E

Maintenance panel with air intake is an elegant design for PDFY-P-NMU-E air intake and makes the maintenance easier from the right bottom.
 Combine the use of Canvas duct PAC-KD-DF, the design can be easily carried out.

Item	① Fixing screw for panel (L)	② Fixing screw for panel (S)	③ Suspension clamp	④ Wing bolt	
Shape				 (5x50)	
Quantity	MCMP-P36DSW-H	2	2	4	4
	MCMP-P56DSW-H	2	2	4	4
	MCMP-P90DSW-H	2	2	4	4
	MCMP-P160DSW-H	2	2	6	6
Item	⑤ Fixing plate	⑥ Cover	⑦ Screw	⑧ Insulation	
Shape			 (4x10)		
Quantity	MCMP-P36DSW-H				
	MCMP-P56DSW-H	1	1	4	2
	MCMP-P90DSW-H	1	1	4	2
	MCMP-P160DSW-H	1	1	4	2

Detailed installation information should be referred to its Installation Manual (WT04454X01)

PMFY-P-NBMU-E

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1. SPECIFICATIONS

DATA U5

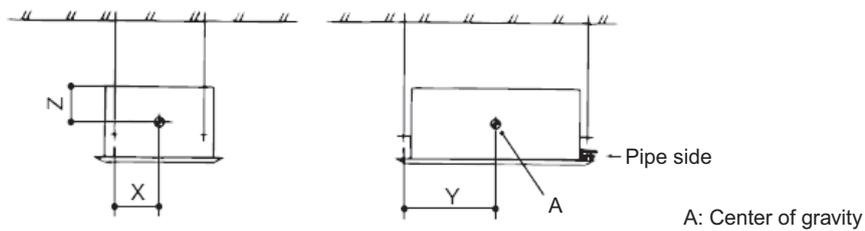
Model			PMFY-P06NBMU-E	PMFY-P08NBMU-E	PMFY-P12NBMU-E	PMFY-P15NBMU-E	
Power source			1-phase 208-230 V 60Hz				
Cooling capacity (Nominal)	*1	BTU / h	6,000	8,000	12,000	15,000	
	*1	kW	1.8	2.3	3.5	4.4	
		Power input	kW	0.04	0.04	0.04	0.05
		Current input	A	0.20	0.20	0.21	0.26
Heating capacity (Nominal)	*2	BTU / h	6,700	9,000	13,500	17,000	
	*2	kW	2.0	2.6	4.0	5.0	
		Power input	kW	0.04	0.04	0.04	0.05
		Current input	A	0.20	0.20	0.21	0.26
External finish			-				
External dimension H x W x D		in.	9-1/16 x 31-31/32 x 15-9/16	9-1/16 x 31-31/32 x 15-9/16	9-1/16 x 31-31/32 x 15-9/16	9-1/16 x 31-31/32 x 15-9/16	
		mm	230 x 812 x 395	230 x 812 x 395	230 x 812 x 395	230 x 812 x 395	
Net weight		lbs (kg)	31 (14)	31 (14)	31 (14)	31 (14)	
Decoration panel	Model		PMP-16BMU	PMP-16BMU	PMP-16BMU	PMP-16BMU	
	External finish		0.98Y 8.99/0.63				
	Dimension		in.	1-3/16 x 39-3/8 x 18-17/32	1-3/16 x 39-3/8 x 18-17/32	1-3/16 x 39-3/8 x 18-17/32	1-3/16 x 39-3/8 x 18-17/32
	H x W x D		mm	30 x 1,000 x 470	30 x 1,000 x 470	30 x 1,000 x 470	30 x 1,000 x 470
	Net Weight		lbs (kg)	7(3)	7(3)	7(3)	7(3)
Heat exchanger			Cross fin				
FAN	Type x Quantity		Line flow fan x 1	Line flow fan x 1	Line flow fan x 1	Line flow fan x 1	
	External static press	in.WG	0.000 (208V)	0.000 (208V)	0.000 (208V)	0.000 (208V)	
		Pa	0	0	0	0	
		in.WG	0.000 (230V)	0.000 (230V)	0.000 (230V)	0.000 (230V)	
		Pa	0	0	0	0	
	Motor type		DC Brush-less Motor				
	Motor output	kW	0.028	0.028	0.028	0.028	
	Driving mechanism		Direct-driven				
	Airflow rate (Low-Mid1-Mid2-High)	cfm	230-254-283-307	258-283-304-328	258-283-304-328	272-307-343-378	
		m3 / min	6.5-7.2-8.0-8.7	7.3-8.0-8.6-9.3	7.3-8.0-8.6-9.3	7.7-8.7-9.7-10.7	
L / s		108-120-133-145	122-133-143-155	122-133-143-155	128-145-162-178		
Sound pressure level (Low-Mid1-Mid2-High) (measured in anechoic room)	dB <A>		27-30-33-35 (208-230V)	32-34-36-37 (208-230V)	32-34-36-37 (208-230V)	33-35-37-39 (208-230V)	
	dB <A>		-	-	-	-	
	dB <A>		-	-	-	-	
Insulation material			PS foam, Polyethylene foam				
Air filter			PP honeycomb				
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) (R22)	in. (mm)	1/4 (6.35) Flare	1/4 (6.35) Flare	1/4 (6.35) Flare	1/4 (6.35) Flare	
			-	-	1/4 (6.35) Flare	1/4 (6.35) Flare	
	Gas (R410A) (R22)	in. (mm)	1/2 (12.7) Flare	1/2 (12.7) Flare	1/2 (12.7) Flare	1/2 (12.7) Flare	
			-	-	1/2 (12.7) Flare	1/2 (12.7) Flare	
Field drain pipe size		in. (mm)	O.D. 1 (26)	O.D. 1 (26)	O.D. 1 (26)	O.D. 1 (26)	
Drawing	External		BH01C848				
	Wiring		BH79C630				
	Refrigerant cycle		-				
Standard attachment	Document		Installation Manual, Installation Book				
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 specification may be subject to change without notice.					

Notes :	*1 Nominal cooling conditions	*2 Nominal heating conditions	Unit converter
	Indoor : 80degF D.B. / 67degF W.B. (26.7degC D.B. / 19.4degC W.B.)	70degF D.B. (21.1degC D.B.)	kcal/h = kW x 860
	Outdoor : 95degF D.B. (35degC D.B.)	47degF D.B. / 43degF W.B. (8.3degC D.B. / 6.1degC W.B.)	BTU/h = kW x 3,412
	Pipe length : 25 ft. (7.6 m)	25 ft. (7.6 m)	cfm = m3/min x 35.31
	Level difference : 0 ft. (0 m)	0 ft. (0 m)	lbs = kg / 0.4536
			*Above specification data is subject to rounding variation.

Ref.: Spec_PMFY-P06-15NBMU-E

PMFY-P06,08,12,15NBMU-E

Ref.: PMFY_NBMU_COG_USDB_ALL



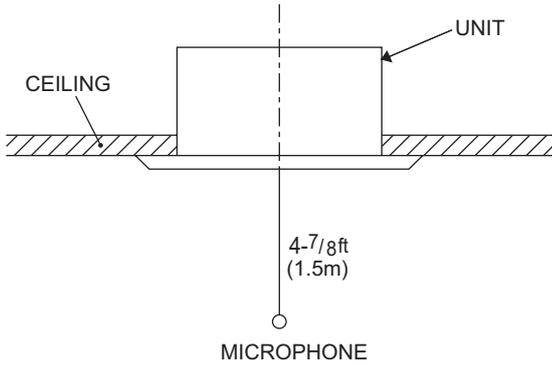
(mm)[in]

Model name	X	Y	Z
PMFY-P06NBMU-E	165 [6-1/2]	390 [15-3/8]	130 [5-1/8]
PMFY-P08NBMU-E	165 [6-1/2]	390 [15-3/8]	130 [5-1/8]
PMFY-P12NBMU-E	165 [6-1/2]	390 [15-3/8]	130 [5-1/8]
PMFY-P15NBMU-E	165 [6-1/2]	390 [15-3/8]	130 [5-1/8]

PMFY

5-1. Sound levels

Ceiling cassette series



Measurement location

Operating sound levels
(Low-Medium2-Medium1-High)

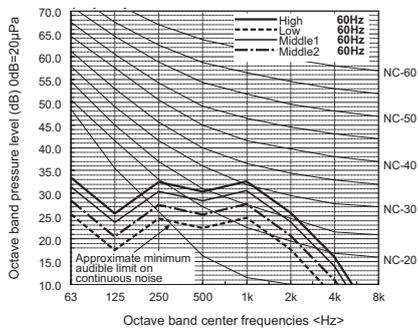
Unit : dB(A)

Model	Sound levels (A weighted)
PMFY-P06NBMU-E	27-30-33-35
PMFY-P08NBMU-E	32-34-36-37
PMFY-P12NBMU-E	32-34-36-37
PMFY-P15NBMU-E	33-35-37-39

5-2. NC curves

PMFY-P06NBMU-E

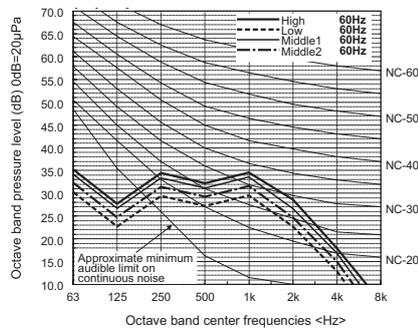
External Static Pressure: 0Pa
Power Source: 208-230V, 60Hz



Ref.:NC_PMFY-P06NBMU-E

PMFY-P08,12NBMU-E

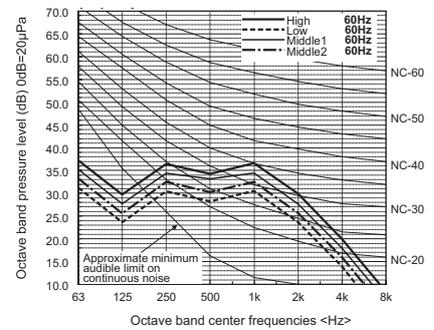
External Static Pressure: 0Pa
Power Source: 208-230V, 60Hz



Ref.:NC_PMFY-P08,12NBMU-E

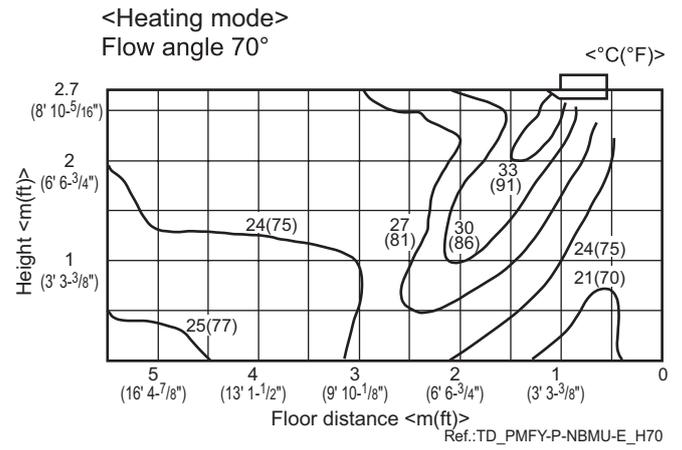
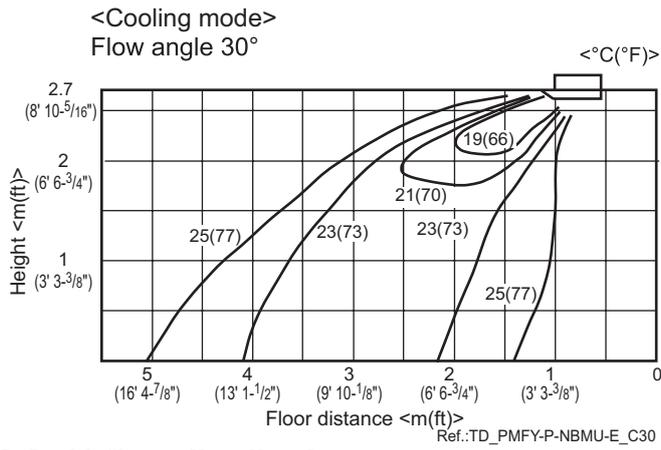
PMFY-P15NBMU-E

External Static Pressure: 0Pa
Power Source: 208-230V, 60Hz

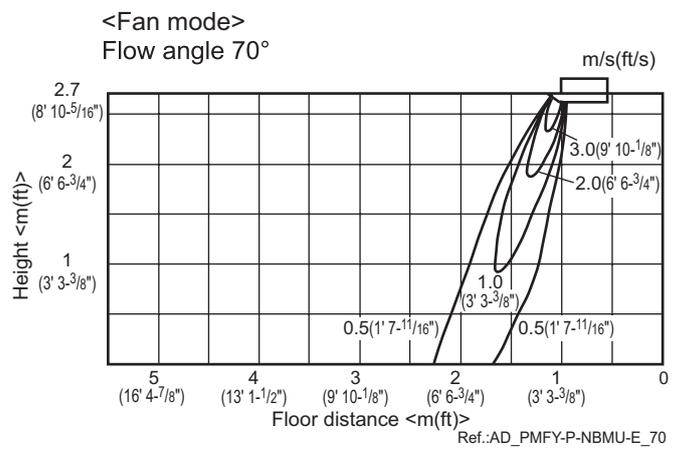
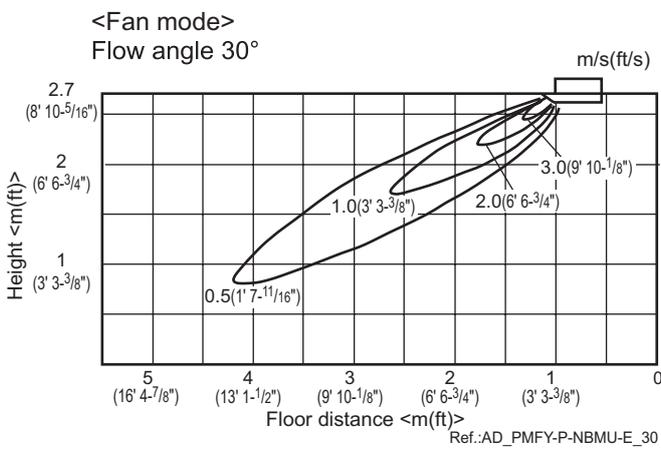


Ref.:NC_PMFY-P15NBMU-E

6-1. Temperature distributions



6-2. Airflow distributions



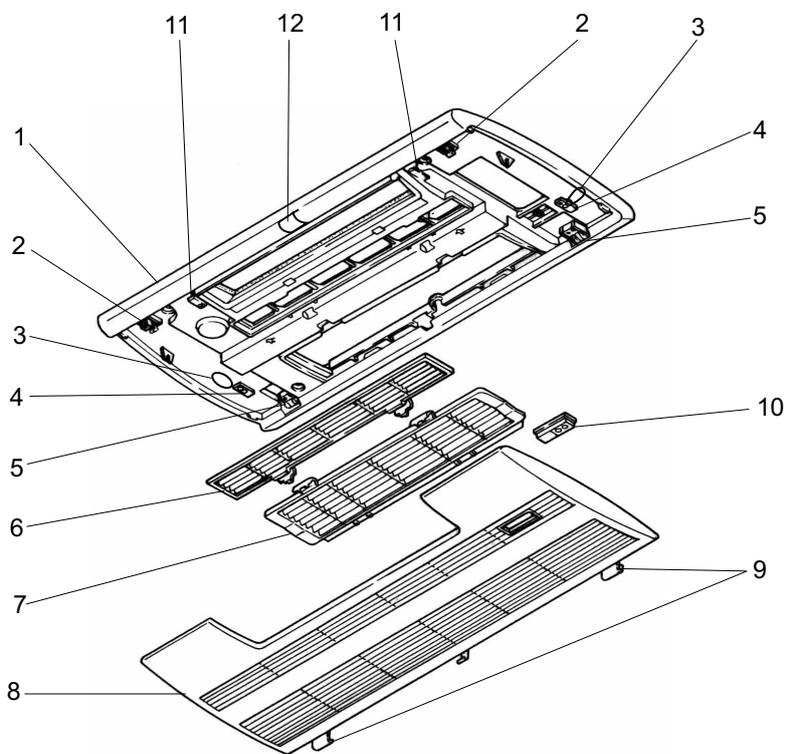
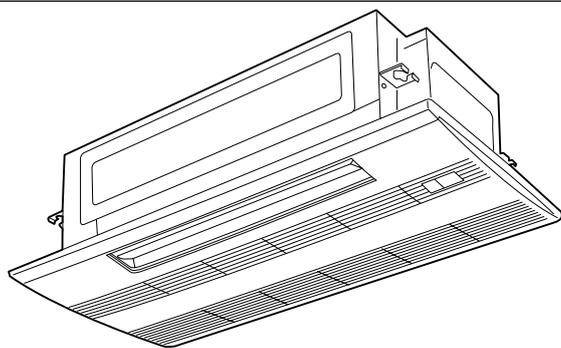
7-1. Optional parts line up for the Indoor unit

Decoration panel	
PMFY-P-NBMU-E	PMP-16BMU

7-2. Decoration panel PMP-16BMU for PMFY-P-NBMU-E

PMFY-P-NBMU-E should use decoration panel PMP-16BMU together.
Refer to the specifications for details.

PMFY



No.	Part Name	Q'ty/set
1	AIR OUTLET GRILLE	1
2	LATCH	2
3	HANGER	2
4	PANEL HOOK	2
5	GRILLE CATCH	2
6	L.L.FILTER	1
7	L.L.FILTER	1
8	INTAKE GRILLE	1
9	GRILLE CATCH	2
10	RECEIVER COVER	1
11	MAGNET	2
12	SCREW CAP	1

Detailed installation information should be referred to PMFY-P-NBMU-E's Technical and Service Manual (OC341)