

PEFY-P-NMAU-E3

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1. SPECIFICATIONS

U11 2nd

PEFY-NMAU

Model				PEFY-P06NMAU-E3	PEFY-P08NMAU-E3	PEFY-P12NMAU-E3	PEFY-P15NMAU-E3	
Power source				1-phase 208/230 V 60 Hz	1-phase 208/230 V 60 Hz	1-phase 208/230 V 60 Hz	1-phase 208/230 V 60 Hz	
Cooling capacity		*1	BTU/h	6,000	8,000	12,000	15,000	
		*1	kW	1.8	2.3	3.5	4.4	
		*2	Power input	kW	0.060	0.060	0.090	0.090
		*2	Current input	A	0.56/0.52	0.56/0.52	0.66/0.62	0.67/0.63
Heating capacity		*3	BTU/h	6,700	9,000	13,500	17,000	
		*3	kW	2.0	2.6	4.0	5.0	
		*2	Power input	kW	0.040	0.040	0.070	0.070
		*2	Current input	A	0.45/0.41	0.45/0.41	0.55/0.51	0.56/0.52
External finish				Galvanized steel plate	Galvanized steel plate	Galvanized steel plate	Galvanized steel plate	
External dimension HxWxD			inch	9-7/8 x 27-9/16 x 28-7/8	9-7/8 x 27-9/16 x 28-7/8	9-7/8 x 27-9/16 x 28-7/8	9-7/8 x 35-7/16 x 28-7/8	
			mm	250 x 700 x 732	250 x 700 x 732	250 x 700 x 732	250 x 900 x 732	
Net weight			lbs (kg)	49 (22)	49 (22)	49 (22)	58 (26)	
Heat exchanger				Cross fin(Aluminum fin and copper tube)	Cross fin(Aluminum fin and copper tube)	Cross fin(Aluminum fin and copper tube)	Cross fin(Aluminum fin and copper tube)	
FAN	Type x Quantity			Sirocco fan x 1	Sirocco fan x 1	Sirocco fan x 1	Sirocco fan x 1	
	*4	External static press.	in. WG	<0.14> - 0.20 - <0.28> - <0.40> - <0.60>	<0.14> - 0.20 - <0.28> - <0.40> - <0.60>	<0.14> - 0.20 - <0.28> - <0.40> - <0.60>	<0.14> - 0.20 - <0.28> - <0.40> - <0.60>	
			Pa	<35> - 50 - <70> - <100> - <150>	<35> - 50 - <70> - <100> - <150>	<35> - 50 - <70> - <100> - <150>	<35> - 50 - <70> - <100> - <150>	
	Motor Type		DC motor	DC motor	DC motor	DC motor		
	Motor output		kW	0.085	0.085	0.085	0.085	
	Driving mechanism			Direct-driven by motor	Direct-driven by motor	Direct-driven by motor	Direct-driven by motor	
	Air flow rate			(Low-Mid-High)	(Low-Mid-High)	(Low-Mid-High)	(Low-Mid-High)	
				cfm	212 - 265 - 300	212 - 265 - 300	265 - 318 - 371	353 - 424 - 494
				m³/min	6.0 - 7.5 - 8.5	6.0 - 7.5 - 8.5	7.5 - 9.0 - 10.5	10.0 - 12.0 - 14.0
				L/s	100 - 125 - 142	100 - 125 - 142	125 - 150 - 175	167 - 200 - 233
Sound pressure level (measured in anechoic room)				(Low-Mid-High)	(Low-Mid-High)	(Low-Mid-High)	(Low-Mid-High)	
				*2	dB <A>	26-28-29	26-28-29	28-30-34
Insulation material				EPS, Polyethylene foam, Urethane foam	EPS, Polyethylene foam, Urethane foam	EPS, Polyethylene foam, Urethane foam	EPS, Polyethylene foam, Urethane foam	
Air filter				PP honeycomb fabric.	PP honeycomb fabric.	PP honeycomb fabric.	PP honeycomb fabric.	
Protection device				Fuse	Fuse	Fuse	Fuse	
Refrigerant control device				LEV	LEV	LEV	LEV	
Connectable outdoor unit				R410A CITY MULTI	R410A CITY MULTI	R410A CITY MULTI	R410A CITY MULTI	
Diameter of refrigerant pipe	Liquid	(R410A)	inch (mm)	1/4 (6.35)Braze	1/4 (6.35)Braze	1/4 (6.35)Braze	1/4 (6.35)Braze	
	Gas	(R410A)	inch (mm)	1/2 (12.7)Braze	1/2 (12.7)Braze	1/2 (12.7)Braze	1/2 (12.7)Braze	
Field drain pipe size			inch (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			KJ94C917	KJ94C917	KJ94C917	KJ94C917	
	Wiring			KJ94C918	KJ94C918	KJ94C918	KJ94C918	
Standard attachment	Document			Installation Manual, Instruction Book	Installation Manual, Instruction Book	Installation Manual, Instruction Book	Installation Manual, Instruction Book	
	Accessory			Washer, Drain hose, Tie band	Washer, Drain hose, Tie band	Washer, Drain hose, Tie band	Washer, Drain hose, Tie band	
Optional parts	Filter box			PAC-KE91TB-E	PAC-KE91TB-E	PAC-KE91TB-E	PAC-KE92TB-E	
	External heater adapter			PAC-YU25HT	PAC-YU25HT	PAC-YU25HT	PAC-YU25HT	
Remarks				* Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual.				
				* Due to continuing improvement, above specifications may be subject to change without notice.				

Notes :	Unit converter
1.Nominal cooling conditions Indoor:80°FDB/67°F WB(26.7°CDB/19.4°CWB), Outdoor:95°FDB(35°CDB) Pipe length:25ft.(7.6m), Level difference:0ft.(0m)	kcal/h =kW x 860 BTU/h =kW x 3,412
2.The values are measured at the factory setting of external static pressure.	cfm =m ³ /min x 35.31
3.Nominal heating conditions Indoor:70°FDB(21.1°CDB), Outdoor:47°FDB/43°F WB(8.3°CDB/6.1°CWB) Pipe length:25ft.(7.6m), Level difference:0ft.(0m)	lbs =kg / 0.4536
4.The factory setting of external static pressure is shown without < > . Refer to "Fan characteristics curves", according to the external static pressure, in DATA BOOK for the usable range of air flow rate.	*Above specification data is subject to rounding variation.

1. SPECIFICATIONS

U11 2nd

Model			PEFY-P18NMAU-E3	PEFY-P24NMAU-E3	PEFY-P27NMAU-E3	PEFY-P30NMAU-E3	
Power source			1-phase 208/230 V 60 Hz	1-phase 208/230 V 60 Hz	1-phase 208/230 V 60 Hz	1-phase 208/230 V 60 Hz	
Cooling capacity	*1	BTU/h	18,000	24,000	27,000	30,000	
		*1 kW	5.3	7.0	7.9	8.8	
	*2	Power input kW	0.110	0.170	0.170	0.170	
		*2 Current input A	0.77/0.73	1.31/1.27	1.31/1.27	1.31/1.27	
Heating capacity	*3	BTU/h	20,000	27,000	30,000	34,000	
		*3 kW	5.9	7.9	8.8	10.0	
	*2	Power input kW	0.090	0.150	0.150	0.150	
		*2 Current input A	0.66/0.62	1.20/1.16	1.20/1.16	1.20/1.16	
	External finish			Galvanized steel plate	Galvanized steel plate	Galvanized steel plate	Galvanized steel plate
External dimension HxWxD		inch	9-7/8 x 35-7/16 x 28-7/8	9-7/8 x 43-5/16 x 28-7/8	9-7/8 x 43-5/16 x 28-7/8	9-7/8 x 43-5/16 x 28-7/8	
		mm	250 x 900 x 732	250 x 1,100 x 732	250 x 1,100 x 732	250 x 1,100 x 732	
Net weight		lbs (kg)	58 (26)	67 (30)	67 (30)	67 (30)	
Heat exchanger			Cross fin(Aluminum fin and copper tube)	Cross fin(Aluminum fin and copper tube)	Cross fin(Aluminum fin and copper tube)	Cross fin(Aluminum fin and copper tube)	
FAN	Type x Quantity		Sirocco fan x 1	Sirocco fan x 2	Sirocco fan x 2	Sirocco fan x 2	
	*4 External static press.	in.WG	<0.14> - 0.20 - <0.28> - <0.40> - <0.60>	<0.14> - 0.20 - <0.28> - <0.40> - <0.60>	<0.14> - 0.20 - <0.28> - <0.40> - <0.60>	<0.14> - 0.20 - <0.28> - <0.40> - <0.60>	
		Pa	<35> - 50 - <70> - <100> - <150>	<35> - 50 - <70> - <100> - <150>	<35> - 50 - <70> - <100> - <150>	<35> - 50 - <70> - <100> - <150>	
	Motor Type		DC motor	DC motor	DC motor	DC motor	
	Motor output kW		0.085	0.121	0.121	0.121	
	Driving mechanism		Direct-driven by motor	Direct-driven by motor	Direct-driven by motor	Direct-driven by motor	
	Air flow rate		(Low-Mid-High)	(Low-Mid-High)	(Low-Mid-High)	(Low-Mid-High)	
			cfm	424 - 512 - 600	618 - 742 - 883	618 - 742 - 883	618 - 742 - 883
			m³/min	12.0 - 14.5 - 17.0	17.5 - 21.0 - 25.0	17.5 - 21.0 - 25.0	17.5 - 21.0 - 25.0
			L/s	200 - 242 - 283	292 - 350 - 417	292 - 350 - 417	292 - 350 - 417
Sound pressure level (measured in anechoic room)			(Low-Mid-High)	(Low-Mid-High)	(Low-Mid-High)	(Low-Mid-High)	
*2 dB <A>		28-32-35	30-34-39	30-34-39	30-34-39		
Insulation material			EPS, Polyethylene foam, Urethane foam	EPS, Polyethylene foam, Urethane foam	EPS, Polyethylene foam, Urethane foam	EPS, Polyethylene foam, Urethane foam	
Air filter			PP honeycomb fabric.	PP honeycomb fabric.	PP honeycomb fabric.	PP honeycomb fabric.	
Protection device			Fuse	Fuse	Fuse	Fuse	
Refrigerant control device			LEV	LEV	LEV	LEV	
Connectable outdoor unit			R410A CITY MULTI	R410A CITY MULTI	R410A CITY MULTI	R410A CITY MULTI	
Diameter of refrigerant pipe	Liquid (R410A)	inch (mm)	1/4 (6.35)Braze	3/8 (9.52)Braze	3/8 (9.52)Braze	3/8 (9.52)Braze	
	Gas (R410A)	inch (mm)	1/2 (12.7)Braze	5/8 (15.88)Braze	5/8 (15.88)Braze	5/8 (15.88)Braze	
Field drain pipe size		inch (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		KJ94C917	KJ94C917	KJ94C917	KJ94C917	
	Wiring		KJ94C918	KJ94C918	KJ94C918	KJ94C918	
Standard attachment	Document		Installation Manual, Instruction Book	Installation Manual, Instruction Book	Installation Manual, Instruction Book	Installation Manual, Instruction Book	
	Accessory		Washer, Drain hose, Tie band	Washer, Drain hose, Tie band	Washer, Drain hose, Tie band	Washer, Drain hose, Tie band	
Optional parts	Filter box		PAC-KE92TB-E	PAC-KE93TB-E	PAC-KE93TB-E	PAC-KE93TB-E	
	External heater adapter		PAC-YU25HT	PAC-YU25HT	PAC-YU25HT	PAC-YU25HT	
Remarks			* Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual.				
			* Due to continuing improvement, above specifications may be subject to change without notice.				

Notes :		Unit converter
1.Nominal cooling conditions Indoor:80°FDB/67°FWB(26.7°CDB/19.4°CWB), Outdoor:95°FDB(35°CDB) Pipe length:25ft.(7.6m), Level difference:0ft.(0m)		kcal/h =kW x 860
2.The values are measured at the factory setting of external static pressure.		BTU/h =kW x 3,412
3.Nominal heating conditions Indoor:70°FDB(21.1°CDB), Outdoor:47°FDB/43°FWB(8.3°CDB/6.1°CWB) Pipe length:25ft.(7.6m), Level difference:0ft.(0m)		cfm =m ³ /min x 35.31
4.The factory setting of external static pressure is shown without < >. Refer to "Fan characteristics curves", according to the external static pressure, in DATA BOOK for the usable range of air flow rate.		lbs =kg / 0.4536
		*Above specification data is subject to rounding variation.

1. SPECIFICATIONS

U11 2nd

PEFY-NMAU

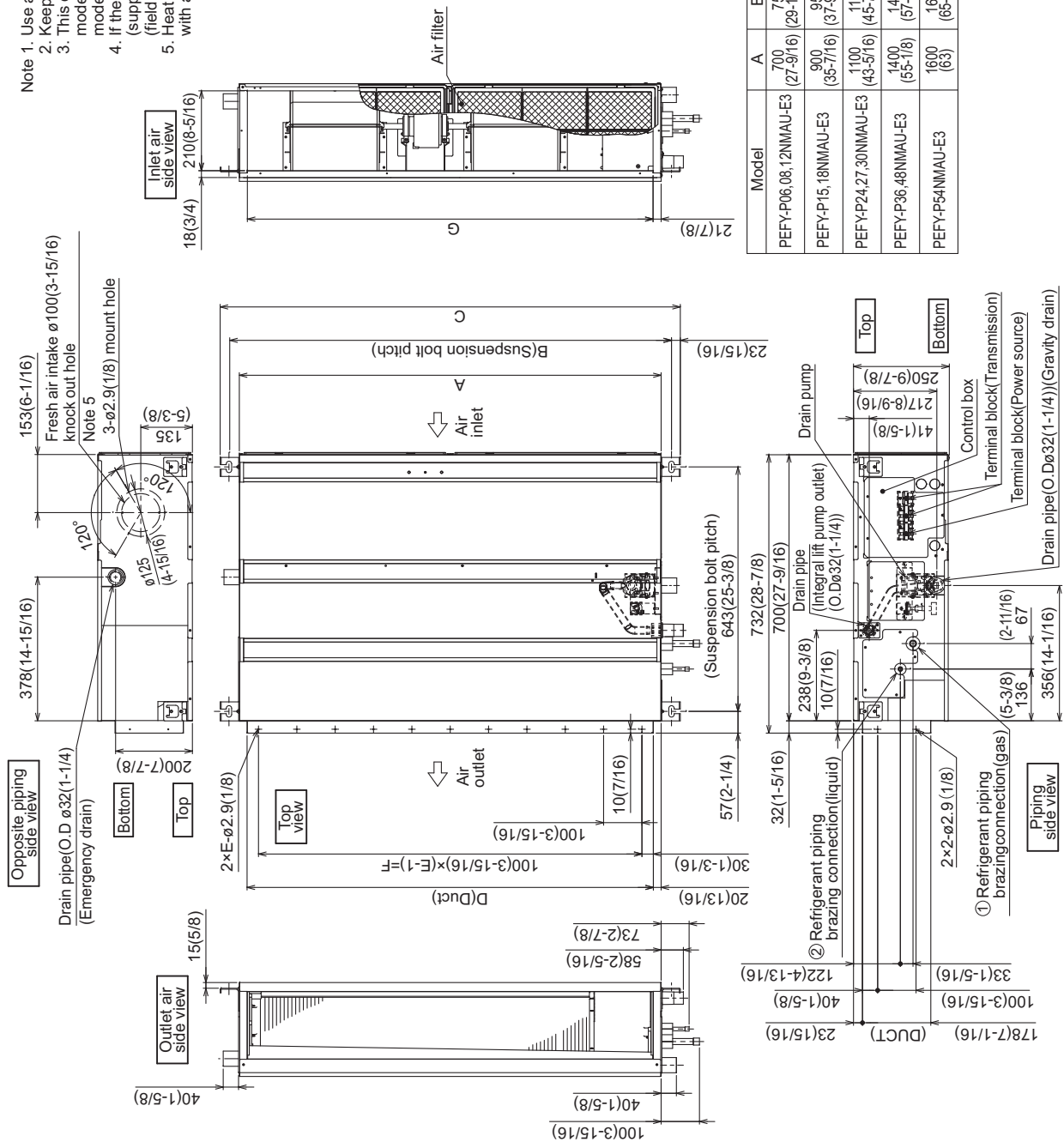
Model				PEFY-P36NMAU-E3	PEFY-P48NMAU-E3	PEFY-P54NMAU-E3		
Power source				1-phase 208/230 V 60 Hz	1-phase 208/230 V 60 Hz	1-phase 208/230 V 60 Hz		
Cooling capacity		*1	BTU/h	36,000	48,000	54,000		
		*1	kW	10.6	14.1	15.8		
		*2	Power input	kW	0.240	0.340	0.360	
		**F2	Current input	A	1.50/1.46	2.08/2.04	2.24/2.20	
Heating capacity		*3	BTU/h	40,000	54,000	60,000		
		*3	kW	11.7	15.8	17.6		
		*2	Power input	kW	0.220	0.320	0.340	
		*2	Current input	A	1.39/1.35	1.97/1.93	2.13/2.09	
External finish				Galvanized steel plate	Galvanized steel plate	Galvanized steel plate		
External dimension HxWxD			inch	9-7/8 x 55-1/8 x 28-7/8	9-7/8 x 55-1/8 x 28-7/8	9-7/8 x 63 x 28-7/8		
			mm	250 x 1,400 x 732	250 x 1,400 x 732	250 x 1,600 x 732		
Net weight			lbs (kg)	86 (39)	86 (39)	93 (42)		
Heat exchanger				Cross fin(Aluminum fin and copper tube)	Cross fin(Aluminum fin and copper tube)	Cross fin(Aluminum fin and copper tube)		
FAN	Type x Quantity			Sirocco fan x 2	Sirocco fan x 2	Sirocco fan x 2		
	*4	External static press.	in.WG	<0.14> - 0.20 - <0.28> - <0.40> - <0.60>	<0.14> - 0.20 - <0.28> - <0.40> - <0.60>	<0.14> - 0.20 - <0.28> - <0.40> - <0.60>		
			Pa	<35> - 50 - <70> - <100> - <150>	<35> - 50 - <70> - <100> - <150>	<35> - 50 - <70> - <100> - <150>		
	Motor Type			DC motor	DC motor	DC motor		
	Motor output		kW	0.244	0.244	0.244		
	Driving mechanism			Direct-driven by motor	Direct-driven by motor	Direct-driven by motor		
	Air flow rate			(Low-Mid-High)	(Low-Mid-High)	(Low-Mid-High)		
				cfm	812 - 989 - 1165	989 - 1201 - 1412	1042 - 1254 - 1483	
				m ³ /min	23.0 - 28.0 - 33.0	28.0 - 34.0 - 40.0	29.5 - 35.5 - 42.0	
				L/s	383 - 467 - 550	467 - 567 - 667	492 - 592 - 700	
Sound pressure level (measured in anechoic room)				(Low-Mid-High)	(Low-Mid-High)	(Low-Mid-High)		
			*2	dB <A>	32-37-41	35-40-44	36-41-45	
Insulation material				EPS, Polyethylene foam, Urethane foam	EPS, Polyethylene foam, Urethane foam	EPS, Polyethylene foam, Urethane foam		
Air filter				PP honeycomb fabric.	PP honeycomb fabric.	PP honeycomb fabric.		
Protection device				Fuse	Fuse	Fuse		
Refrigerant control device				LEV	LEV	LEV		
Connectable outdoor unit				R410A CITY MULTI	R410A CITY MULTI	R410A CITY MULTI		
Diameter of refrigerant pipe	Liquid (R410A)	inch (mm)	3/8 (9.52)Brazed	3/8 (9.52)Brazed	3/8 (9.52)Brazed			
	Gas (R410A)	inch (mm)	5/8 (15.88)Brazed	5/8 (15.88)Brazed	5/8 (15.88)Brazed			
Field drain pipe size			inch (mm)	O.D.1-1/4(32)	O.D.1-1/4(32)	O.D.1-1/4(32)		
Drawing	External			KJ94C917	KJ94C917	KJ94C917		
	Wiring			KJ94C918	KJ94C918	KJ94C918		
Standard attachment	Document			Installation Manual, Instruction Book	Installation Manual, Instruction Book	Installation Manual, Instruction Book		
	Accessory			Washer, Drain hose, Tie band	Washer, Drain hose, Tie band	Washer, Drain hose, Tie band		
Optional parts	Filter box			PAC-KE94TB-E	PAC-KE94TB-E	PAC-KE95TB-E		
	External heater adapter			PAC-YU25HT	PAC-YU25HT	PAC-YU25HT		
Remarks				* Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual. * Due to continuing improvement, above specifications may be subject to change without notice.				

Notes :		Unit converter
1.Nominal cooling conditions Indoor:80°FDB/67°FWB(26.7°CDB/19.4°CWB), Outdoor:95°FDB(35°CDB) Pipe length:25ft.(7.6m), Level difference:0ft.(0m)		kcal/h =kW x 860
2.The values are measured at the factory setting of external static pressure.		BTU/h =kW x 3,412
3.Nominal heating conditions Indoor:70°FDB(21.1°CDB), Outdoor:47°FDB/43°FWB(8.3°CDB/6.1°CWB) Pipe length:25ft.(7.6m), Level difference:0ft.(0m)		cfm =m ³ /min x 35.31
4.The factory setting of external static pressure is shown without < > . Refer to "Fan characteristics curves", according to the external static pressure, in DATA BOOK for the usable range of air flow rate.		lbs =kg / 0.4536
		*Above specification data is subject to rounding variation.

PEFY-P06, 08, 12, 15, 18, 24, 27, 30, 36, 48, 54NMAU-E3

Unit: mm (in.)

- Note 1. Use an M10 screw for the suspension bolt (field supply).
2. Keep the service space for maintenance at the bottom.
3. This drawing is for PEFY-P24-27-30-36-48-54NMAU-E3 models which have 2 fans. PEFY-P06-08-12-15-18NMAU-E3 models have 1 fan.
4. If the inlet duct is used, remove the air filter (field supply) at the suction side.
5. Heat air to 0°C (32°F) or higher when taking fresh air with a fresh air intake.



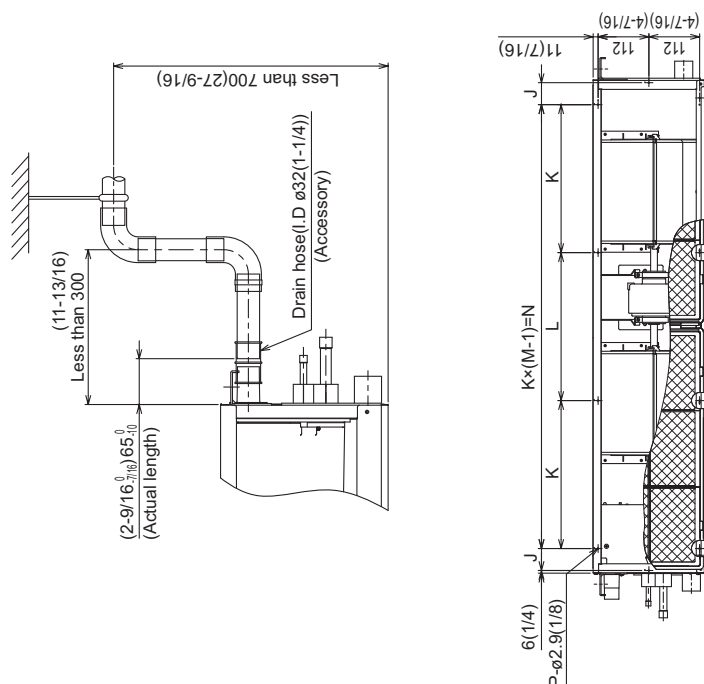
Model	① Gas pipe	② Liquid pipe
PEFY-P06, 08, 12NMAU-E3	ø12.7 (1/2)	ø6.35 (1/4)
PEFY-P15, 18NMAU-E3	ø12.7 (1/2)	ø6.35 (1/4)
PEFY-P24, 27, 30NMAU-E3	ø15.88 (5/8)	ø9.52 (3/8)
PEFY-P36, 48NMAU-E3	ø15.88 (5/8)	ø9.52 (3/8)
PEFY-P54NMAU-E3	ø15.88 (5/8)	ø9.52 (3/8)

Model	A	B	C	D	E	F	G
PEFY-P06, 08, 12NMAU-E3	700 (27-9/16)	754 (29-11/16)	800 (31-1/2)	660 (26)	7	800 (25-5/8)	658 (25-15/16)
PEFY-P15, 18NMAU-E3	900 (35-7/16)	954 (37-9/16)	1000 (39-3/8)	860 (33-7/8)	9	800 (31-1/2)	858 (33-13/16)
PEFY-P24, 27, 30NMAU-E3	1100 (43-5/16)	1154 (45-7/16)	1200 (47-1/4)	1060 (41-3/4)	11	1000 (39-3/8)	1058 (41-11/16)
PEFY-P36, 48NMAU-E3	1400 (55-1/8)	1454 (57-1/4)	1500 (59-1/16)	1360 (53-9/16)	14	1300 (51-3/16)	1358 (53-1/2)
PEFY-P54NMAU-E3	1600 (63)	1654 (65-1/8)	1700 (66-15/16)	1560 (61-7/16)	16	1500 (59-1/16)	1558 (61-3/8)

Unit: mm (in.)

PEFY-NMAU

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



Model	H	J	K	L	M	N	P	Q	R	S	Unit/mm(in.)
PEFY-P06,08,12NMAUE3	800 (31-1/2)	44 (1-3/4)	150 (5-15/16)	300 (11-13/16)	4	780 (30-3/4)	10	700 (27-9/16)	50-150 (5-13/16)	1300 (51-3/16)	
PEFY-P15,18NMAUE3	1000 (39-3/8)	54 (2-3/16)	260 (10-1/4)					900 (35-7/16)	150-250 (5-15/16)-(9-7/8)	1500 (59-1/16)	
PEFY-P24,27,30NMAUE3	1200 (47-1/4)	49 (1-15/16)	330 (13)		4	990 (39)	10	1100 (43-5/16)	250-350 (9-7/8)-(13-13/16)	1700 (66-7/8)	
PEFY-P36,48NMAUE3	1500 (59-1/16)	54 (2-3/16)	320 (12-5/8)		5	1280 (50-7/16)	12	1400 (55-1/8)	400-700 (15-3/4)-(19-11/16)	2000 (78-3/4)	
PEFY-P54NMAUE3	1700 (66-5/16)	54 (2-3/16)	370 (14-5/8)		5	1480 (58-5/16)	12	1600 (63)	500-600 (19-11/16)-(23-5/8)	2200 (86-5/8)	

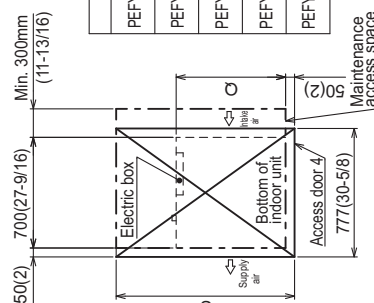


Fig. 5 (Viewed from the direction of the arrow B)

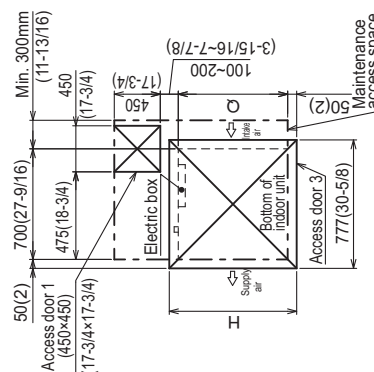


Fig.4 (Viewed from the direction of the arrow B)

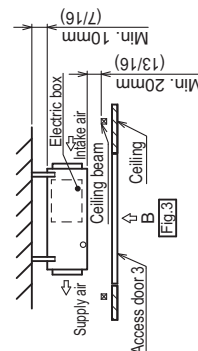


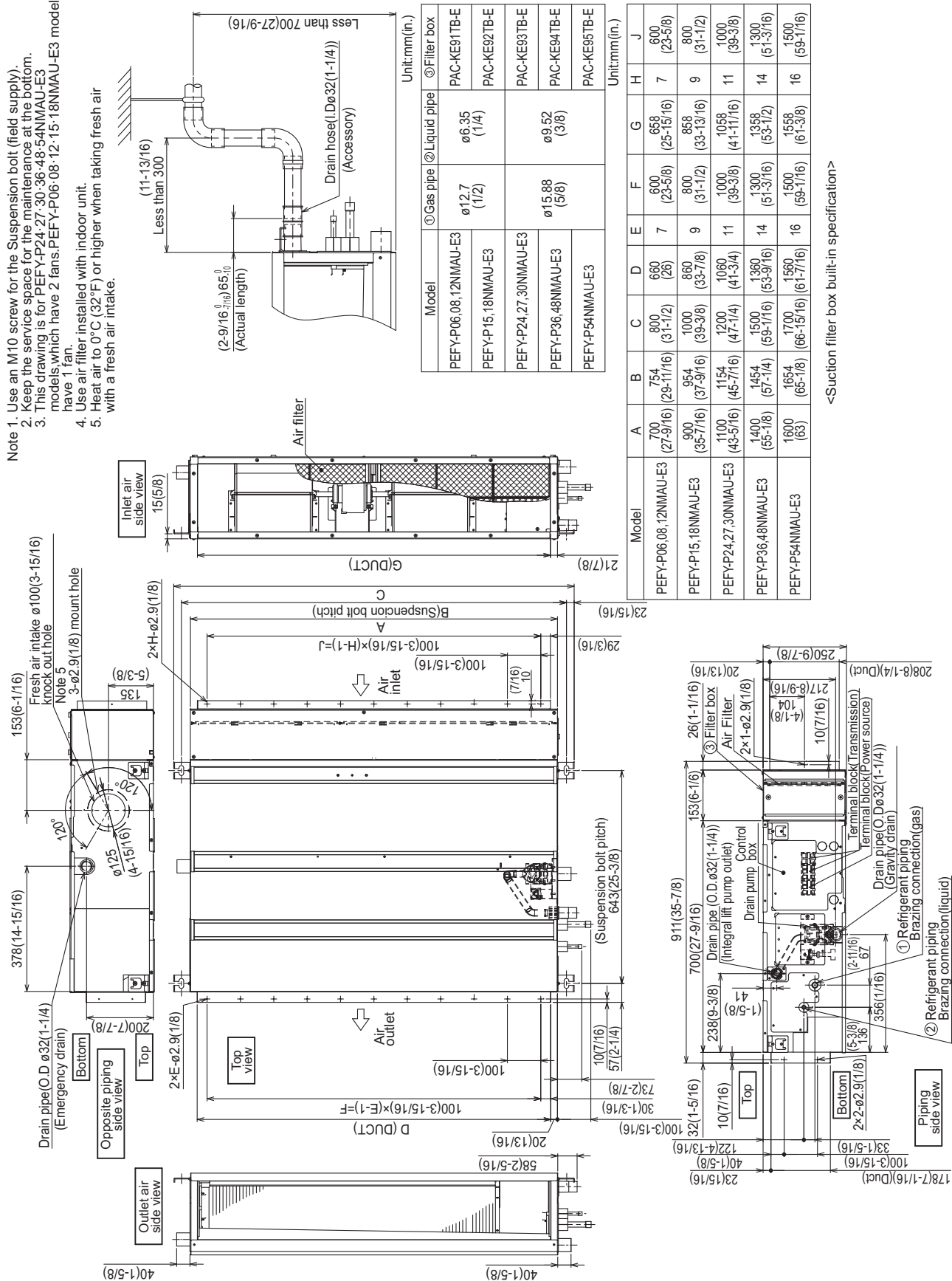
Fig. 3B

U11 2nd

Unit: mm (in.)

Note 1. Use an M10 screw for the Suspension bolt (field supply).

2. Keep the service space for the maintenance at the bottom.
3. This drawing is for PEFY-P24-27-30-36-48-54NMAU-E3 models, which have 2 fans. PEFY-P06-08-12-15NMAU-E3 models have 1 fan.
4. Use air filter installed with indoor unit.
5. Heat air to 0°C (32°F) or higher when taking fresh air with a fresh air intake.



<Suction filter box built-in specification>

PEFY-P06, 08, 12, 15, 18, 24, 27, 30, 36, 48, 54NMAU-E3 with filter box

Unit: mm (in.)

* Dimension 'P' is in case of side maintenance for air filter.

Model	K	L	M	N	P*
PEFY-P06,08,12NMAU-E3	700 (27-9/16)	50~150 (2~5-15/16)	800 (31-1/2)	1300 (51-3/16)	1450 (57-1/8)
PEFY-P15,18NMAU-E3	900 (35-7/16)	150~250 (5-15/16)~(9-7/8)	1000 (39-3/8)	1500 (59-1/16)	1850 (72-7/8)
PEFY-P24,27,30NMAU-E3	1100 (43-3/16)	250~350 (9-7/8)~(13-13/16)	1200 (47-1/4)	1700 (66-15/16)	
PEFY-P36,48NMAU-E3	1400 (55-1/8)	400~500 (15-3/4)~(19-11/16)	1500 (59-1/16)	2000 (78-3/4)	2150 (84-11/16)
PEFY-P54NMAU-E3	1600 (63)	500~600 (19-11/16)~(23-5/8)	1700 (66-5/16)	2200 (86-5/8)	2550 (100-7/16)

Unit:mm(in.)

[Maintenance access space]
Secure enough access space to allow for the maintenance, inspection, and replacement of the motor, fan, drain pump, heat exchanger, and electric box in one of the following ways.
Select an installation site for the indoor unit so that it's maintenance access space will not be obstructed by beams or other objects.

(1) When a space of 300mm or more is available below the unit between the unit and the ceiling. (Fig.1)

- Create access door 1 and 2 (450×450mm each) as shown in Fig.2.
(Access door 2 is not required if enough space is available below the unit for a maintenance worker to work in.)

(2) When a space of less than 300mm is available below the unit between the unit and the ceiling.

- (At least 20mm of space should be left below the unit as shown in Fig.3.)
- Create access door 1 diagonally below the electric box and access door 3 below the unit as shown in Fig.4.
- Create access door 4 below the electric box and the unit as shown in Fig.5.

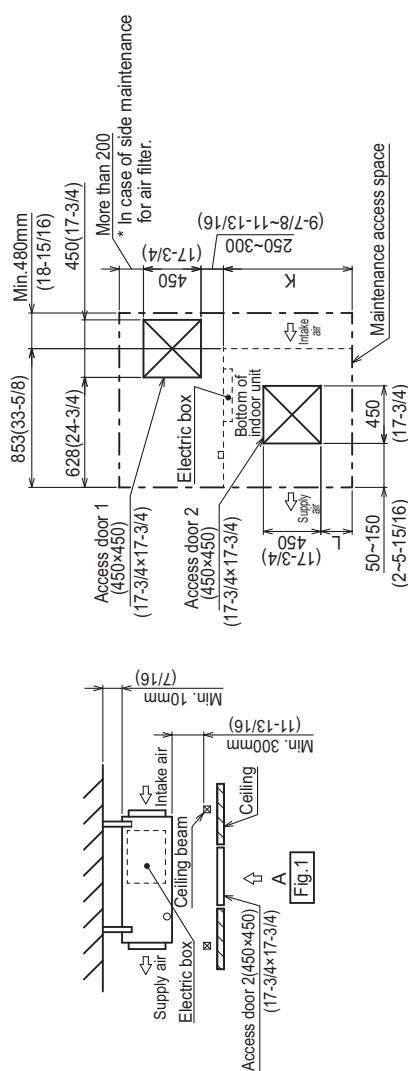


Fig.2 (Viewed from the direction of the arrow A)

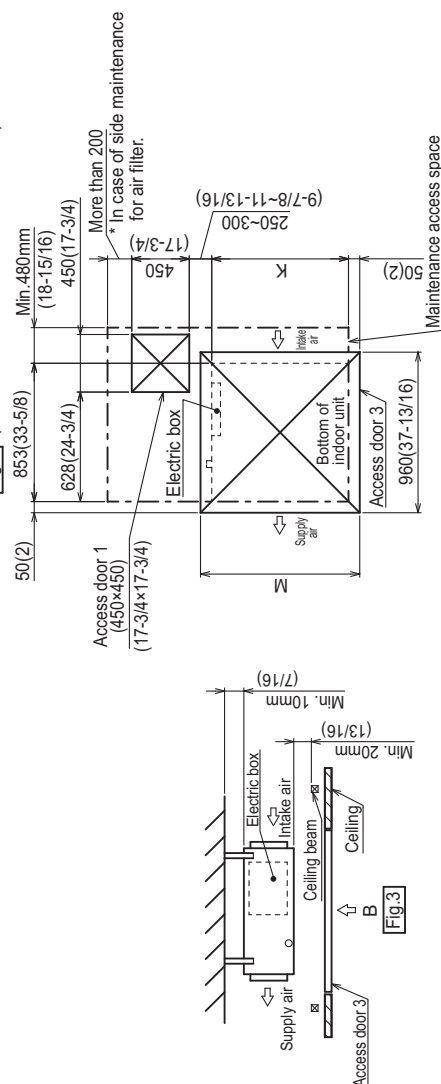


Fig.4 (Viewed from the direction of the arrow B)

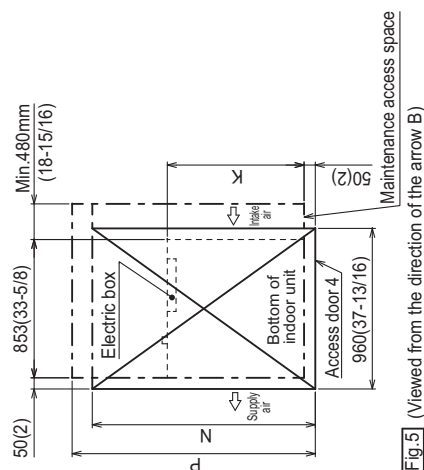
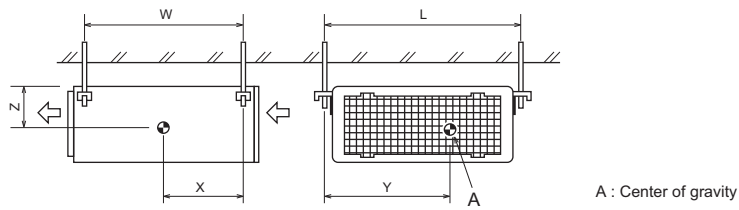


Fig.5 (Viewed from the direction of the arrow B)

<Suction filter box built-in specification>

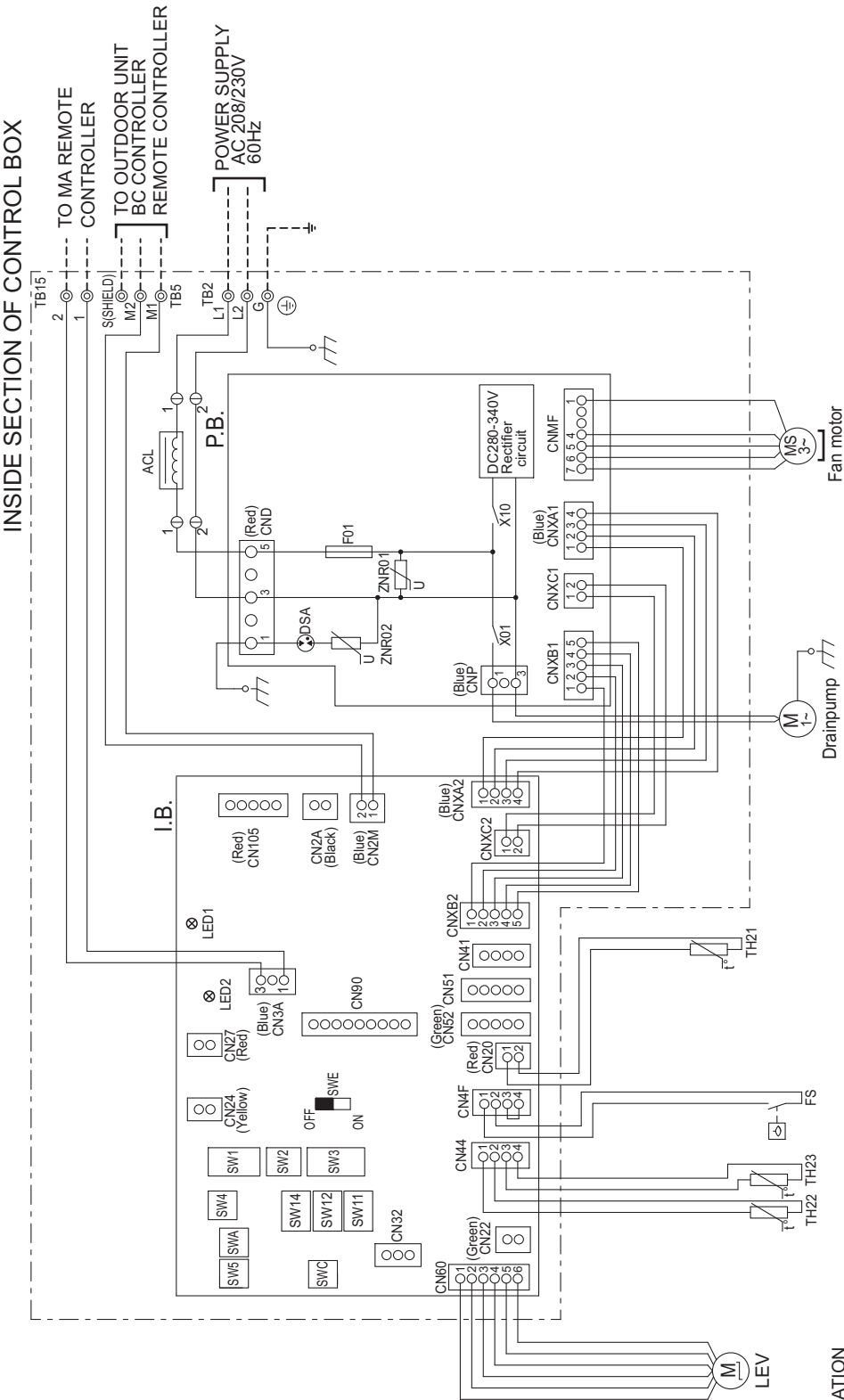
PEFY-P06, 08, 12, 15, 18, 24, 27, 30, 36, 48, 54NMAU-E3



(mm)[in]

Model name	W	L	X	Y	Z
PEFY-P06NMAU-E3	643 [25 - 6/16]	754 [29 - 11/16]	330 [13]	300 [11 - 13/16]	130 [5 - 2/16]
PEFY-P08NMAU-E3	643 [25 - 6/16]	754 [29 - 11/16]	330 [13]	300 [11 - 13/16]	130 [5 - 2/16]
PEFY-P12NMAU-E3	643 [25 - 6/16]	754 [29 - 11/16]	330 [13]	300 [11 - 13/16]	130 [5 - 2/16]
PEFY-P15NMAU-E3	643 [25 - 6/16]	954 [37 - 9/16]	340 [13 - 7/16]	375 [14 - 13/16]	130 [5 - 2/16]
PEFY-P18NMAU-E3	643 [25 - 6/16]	954 [37 - 9/16]	340 [13 - 7/16]	375 [14 - 13/16]	130 [5 - 2/16]
PEFY-P24NMAU-E3	643 [25 - 6/16]	1154 [45 - 7/16]	325 [12 - 13/16]	525 [20 - 11/16]	130 [5 - 2/16]
PEFY-P27NMAU-E3	643 [25 - 6/16]	1154 [45 - 7/16]	325 [12 - 13/16]	525 [20 - 11/16]	130 [5 - 2/16]
PEFY-P30NMAU-E3	643 [25 - 6/16]	1154 [45 - 7/16]	325 [12 - 13/16]	525 [20 - 11/16]	130 [5 - 2/16]
PEFY-P36NMAU-E3	643 [25 - 6/16]	1454 [57 - 4/16]	330 [13]	675 [26 - 10/16]	130 [5 - 2/16]
PEFY-P48NMAU-E3	643 [25 - 6/16]	1454 [57 - 4/16]	330 [13]	675 [26 - 10/16]	130 [5 - 2/16]
PEFY-P54NMAU-E3	643 [25 - 6/16]	1654 [65 - 2/16]	332 [13 - 2/16]	725 [28 - 9/16]	130 [5 - 2/16]

PEFY-P06, 08, 12, 15, 18, 24, 27, 30, 36, 48, 54NMAU-E3



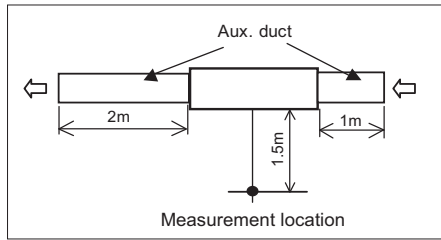
SYMBOL EXPLANATION

SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
I.B.	Indoor controller board	CN27	Connector (Damper)	SW2 (I.B.)	Switch (for capacity code)
P.B.	Power supply board	CN32	Connector (Remote switch)	SW3 (I.B.)	Switch (for mode selection)
TB2	Power source terminal block	CN41	Connector (HA terminal-A)	SW4 (I.B.)	Switch (for model selection)
TB5	Transmission terminal block	CN51	Connector (Centrally control)	SW5 (I.B.)	Switch (for mode selection)
TB15	Transmission terminal block	CN52	Connector (Remote indication)	SW11 (I.B.)	Switch (1s digit address set)
ZNR01,02	Fuse AC250V 6.3A	CN90	Connector (Wireless)	SW12 (I.B.)	Switch (10ths digit address set)
DSA	Varistor	CN105	Connector (IT terminal)	SW14 (I.B.)	Switch (connection No.set)
X01	Arrester	CN2A	Connector (0-10V Analog input)	SWA (I.B.)	Switch (for static pressure selection)
ACL	Aux. relay	FS	Float switch	SWC (I.B.)	Switch (for static pressure selection)
X10	AC reactor (Power factor improvement)	TH21	Thermistor (inlet air temp.detection)	SWE (I.B.)	Connector (emergency operation)
CN22	Connector (Fan control)	TH22	Thermistor (piping temp.detection/liquid)	LED1	LED (Power supply)
CN24	Connector (Heater control)	TH23	Thermistor (piping temp.detection/gas)	LED2	LED (Remote controller supply)
		SW1 (I.B.)	Switch (for mode selection)		

NOTE:1.Symbols used in wiring diagram above are,
○ :Connector
● :Terminal
----- (Heavy dotted line):Field wiring
2.Use copper supply wires.

5-1. Sound levels

PEFY-P-NMAU-E3



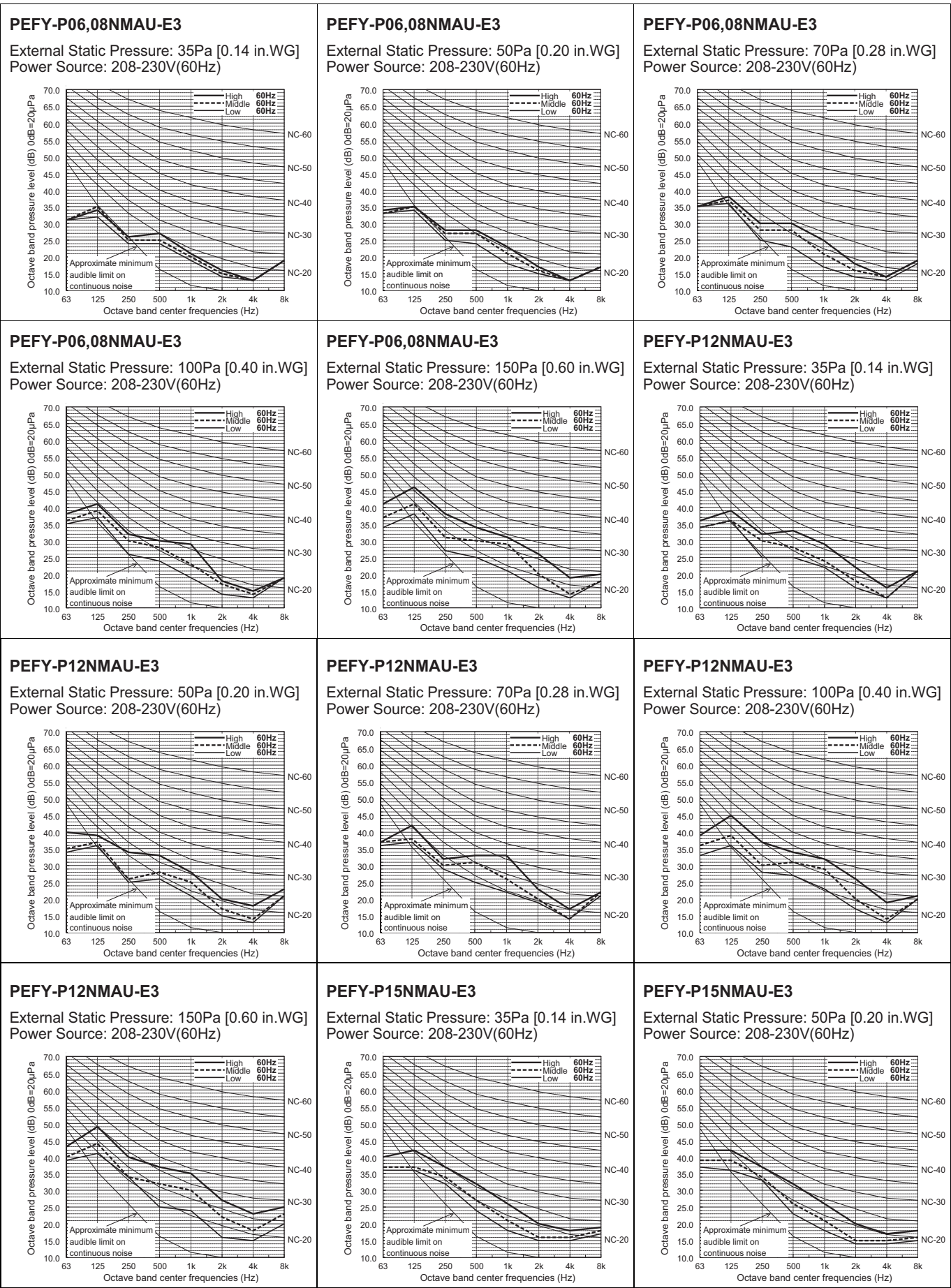
* Measured in anechoic room.

Sound level at anechoic room : Low-Mid-High

Model	Sound level dB(A)				
	35Pa	50Pa	70Pa	100Pa	150Pa
PEFY-P06NMAU-E3	26-27-28	26-28-29	26-29-31	27-30-33	28-33-37
PEFY-P08NMAU-E3	26-27-28	26-28-29	26-29-31	27-30-33	28-33-37
PEFY-P12NMAU-E3	28-30-34	28-30-34	29-32-36	29-33-37	31-35-40
PEFY-P15NMAU-E3	28-30-34	28-30-34	29-32-36	29-33-37	32-36-40
PEFY-P18NMAU-E3	28-31-35	28-32-35	29-33-37	30-34-38	32-37-41
PEFY-P24NMAU-E3	30-33-38	30-34-39	31-35-39	32-37-40	34-39-43
PEFY-P27NMAU-E3	30-33-38	30-34-39	31-35-39	32-37-40	34-39-43
PEFY-P30NMAU-E3	30-33-38	30-34-39	31-35-39	32-37-40	34-39-43
PEFY-P36NMAU-E3	31-36-40	32-37-41	33-38-42	35-39-43	37-42-45
PEFY-P48NMAU-E3	35-40-44	35-40-44	37-41-45	38-42-46	39-44-47
PEFY-P54NMAU-E3	36-41-45	36-41-45	38-42-46	39-43-47	40-45-48

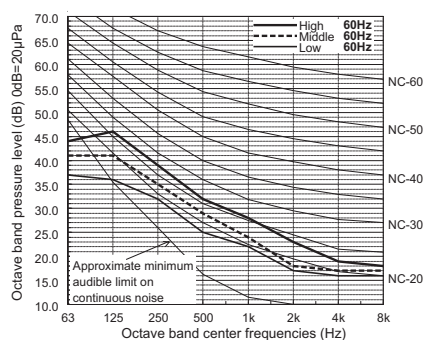
5-2. NC curves

PEFY-NMAU

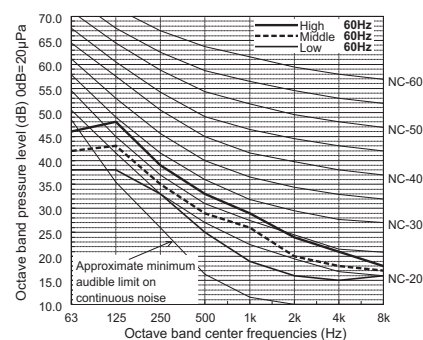


PEFY-P15NMAU-E3

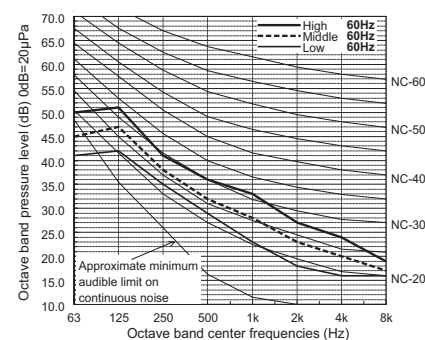
External Static Pressure: 70Pa [0.28 in.WG]
Power Source: 208-230V(60Hz)

**PEFY-P15NMAU-E3**

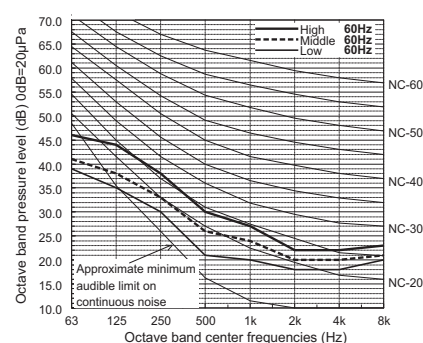
External Static Pressure: 100Pa [0.40 in.WG]
Power Source: 208-230V(60Hz)

**PEFY-P15NMAU-E3**

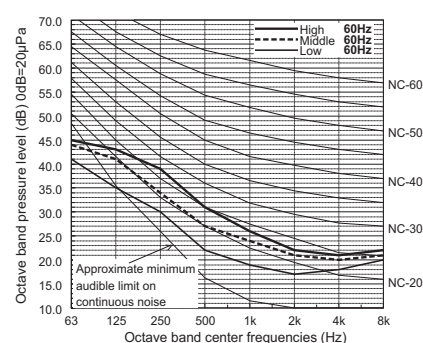
External Static Pressure: 150Pa [0.60 in.WG]
Power Source: 208-230V(60Hz)

**PEFY-P18NMAU-E3**

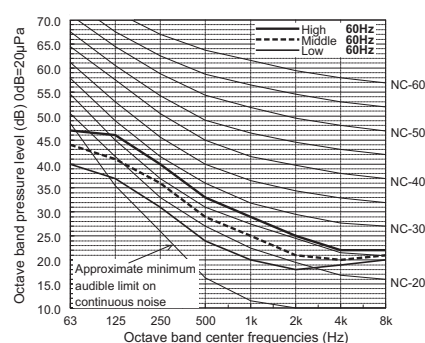
External Static Pressure: 35Pa [0.14 in.WG]
Power Source: 208-230V(60Hz)

**PEFY-P18NMAU-E3**

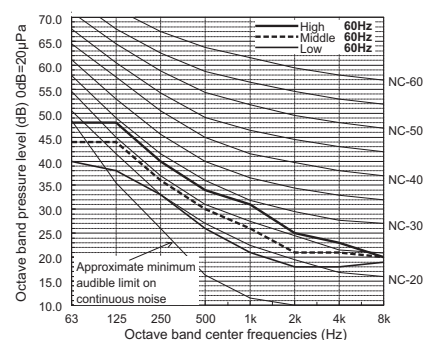
External Static Pressure: 50Pa [0.20 in.WG]
Power Source: 208-230V(60Hz)

**PEFY-P18NMAU-E3**

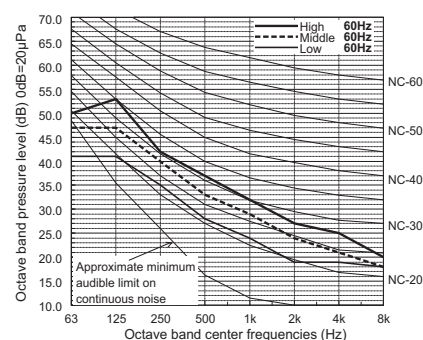
External Static Pressure: 70Pa [0.28 in.WG]
Power Source: 208-230V(60Hz)

**PEFY-P18NMAU-E3**

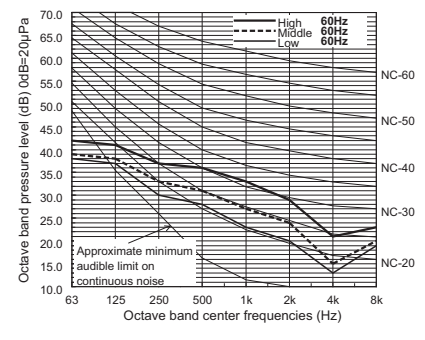
External Static Pressure: 100Pa [0.40 in.WG]
Power Source: 208-230V(60Hz)

**PEFY-P18NMAU-E3**

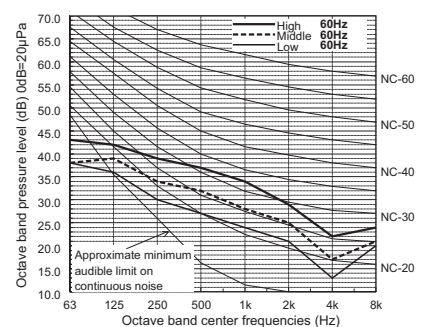
External Static Pressure: 150Pa [0.60 in.WG]
Power Source: 208-230V(60Hz)

**PEFY-P24,27,30NMAU-E3**

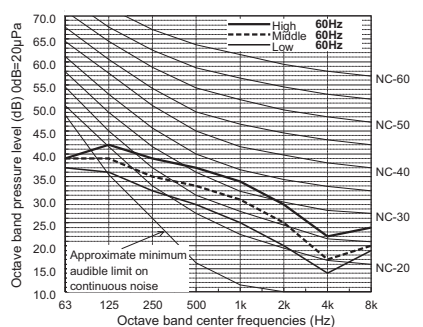
External Static Pressure: 35Pa [0.14 in.WG]
Power Source: 208-230V(60Hz)

**PEFY-P24,27,30NMAU-E3**

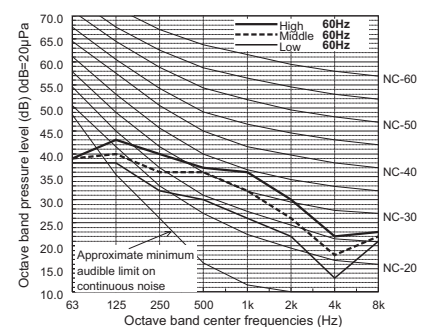
External Static Pressure: 50Pa [0.20 in.WG]
Power Source: 208-230V(60Hz)

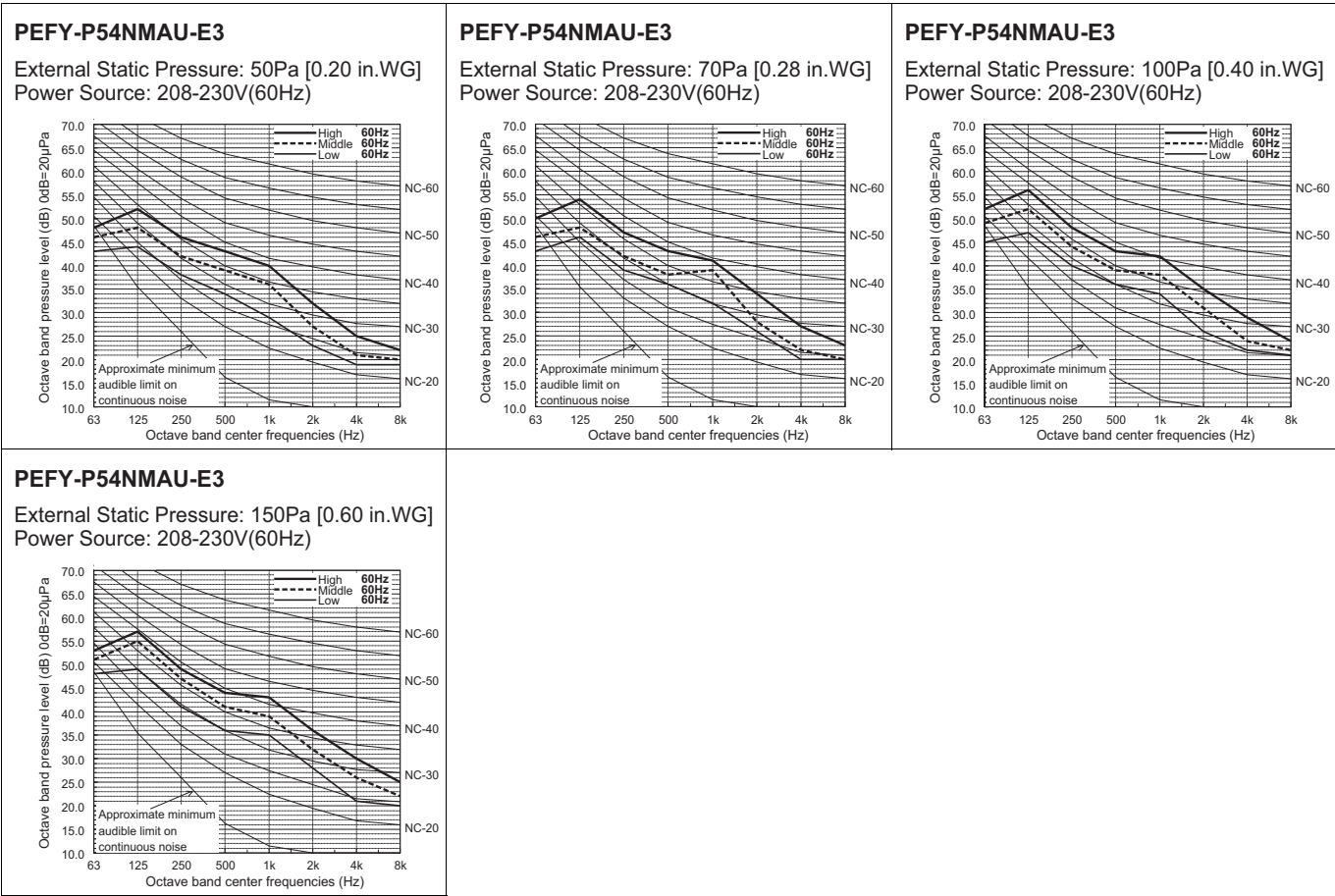
**PEFY-P24,27,30NMAU-E3**

External Static Pressure: 70Pa [0.28 in.WG]
Power Source: 208-230V(60Hz)

**PEFY-P24,27,30NMAU-E3**

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





6. FAN CHARACTERISTICS CURVES

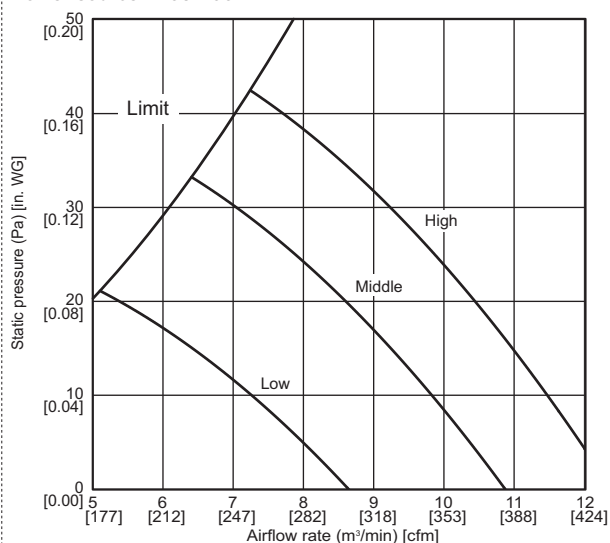
U11 2nd

PEFY-NMAU

PEFY-P06,08NMAU-E3

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

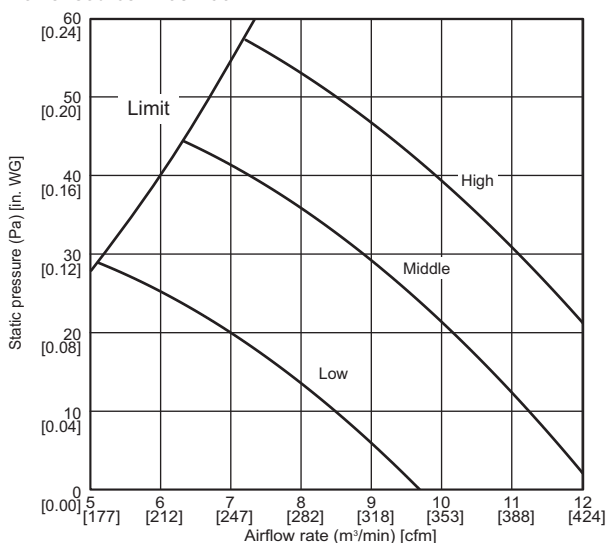
Power source : 208-230V



PEFY-P06,08NMAU-E3

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

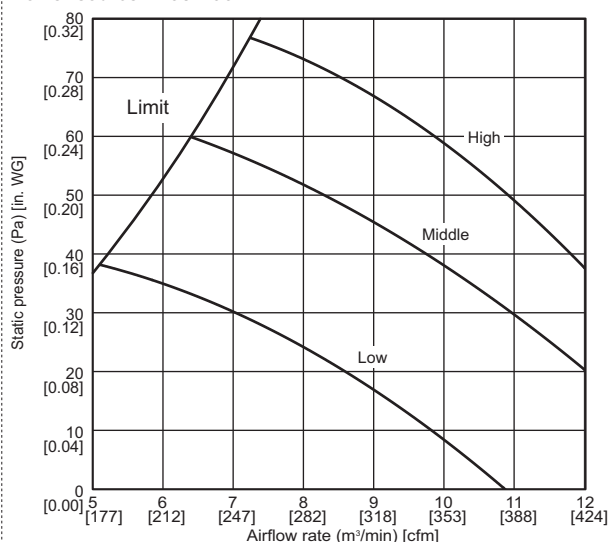
Power source : 208-230V



PEFY-P06,08NMAU-E3

External static pressure : 70Pa [0.28in.WG]

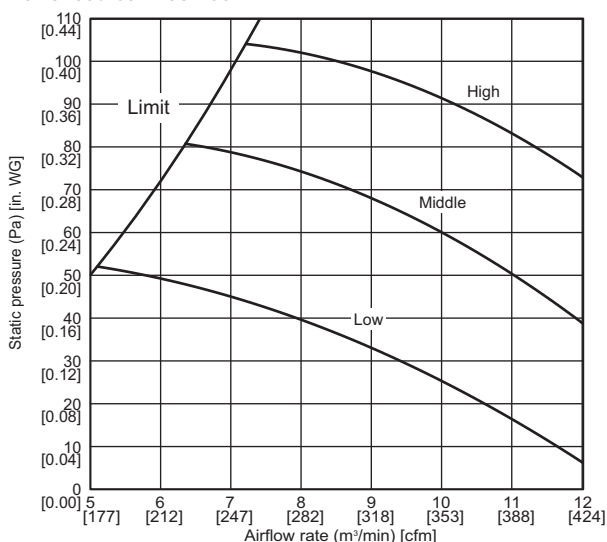
Power source : 208-230V



PEFY-P06,08NMAU-E3

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

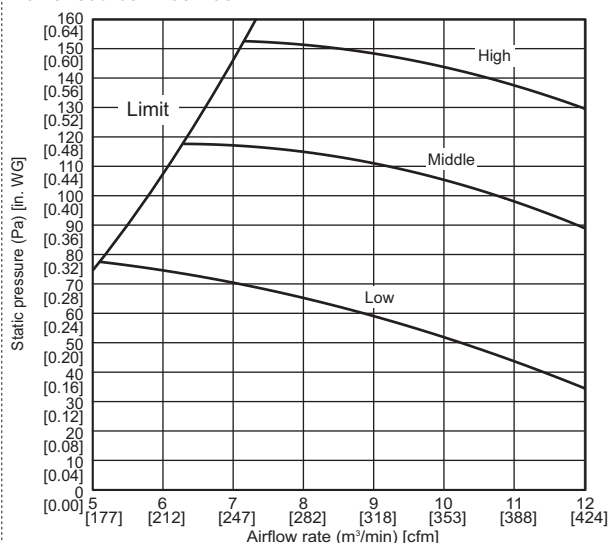
Power source : 208-230V



PEFY-P06,08NMAU-E3

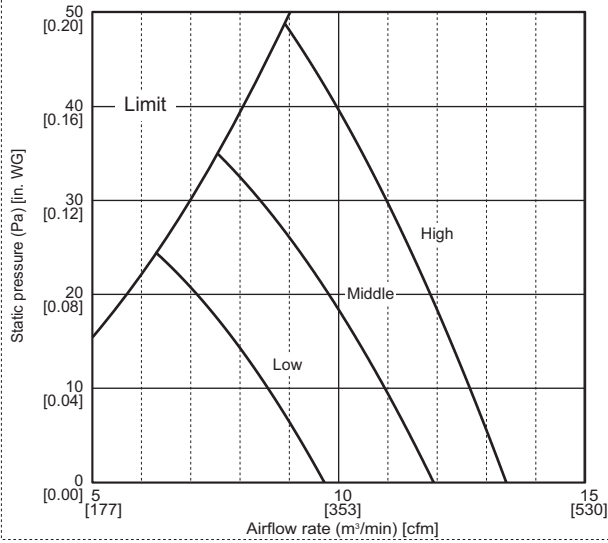
External static pressure : 150Pa [0.60in.WG]

Power source : 208-230V



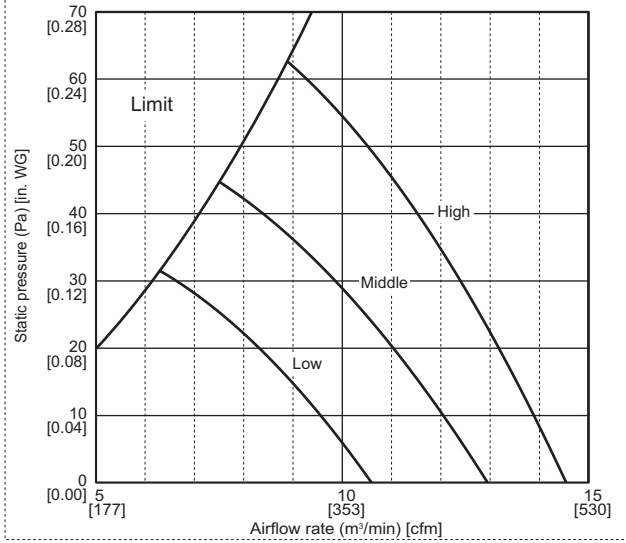
PEFY-P12NMAU-E3

External static pressure : 35Pa [0.14in.WG]
Power source : 208-230V



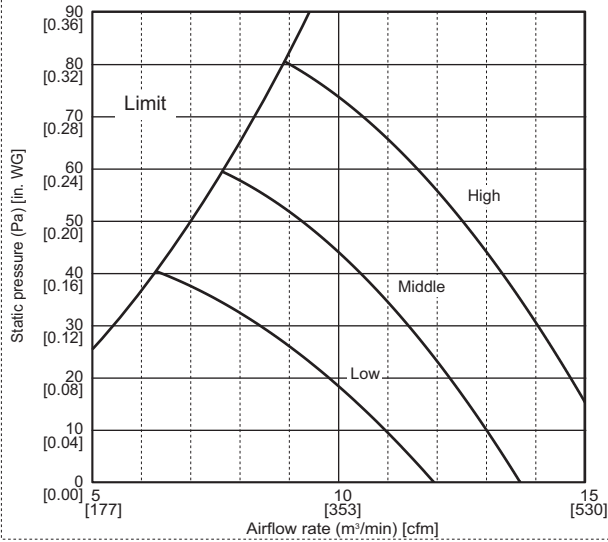
PEFY-P12NMAU-E3

External static pressure : 50Pa [0.20in.WG]
Power source : 208-230V



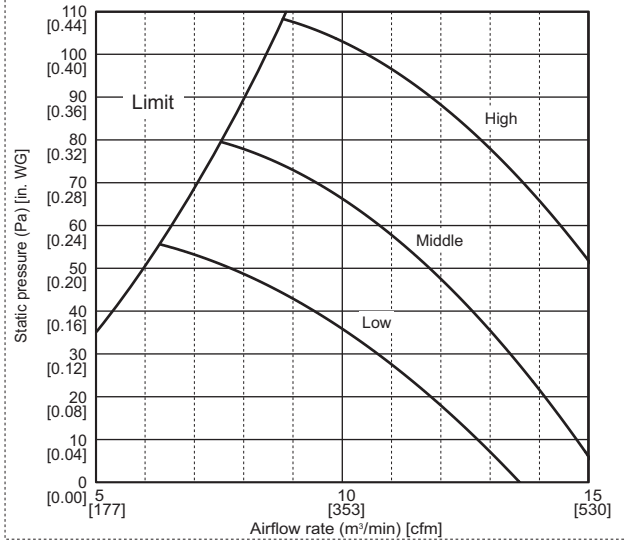
PEFY-P12NMAU-E3

External static pressure : 70Pa [0.28in.WG]
Power source : 208-230V



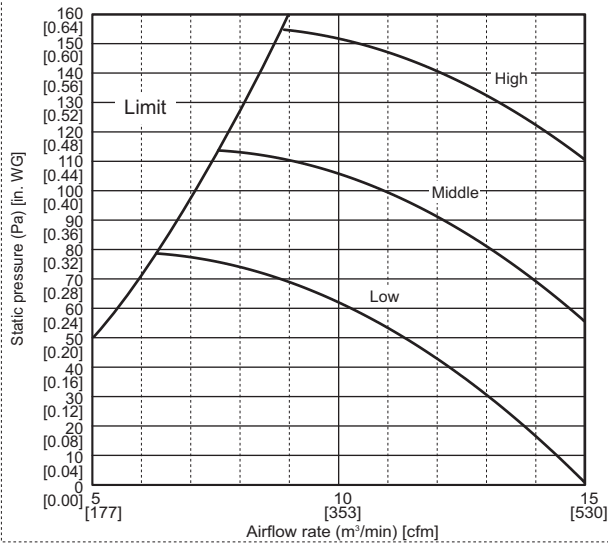
PEFY-P12NMAU-E3

External static pressure : 100Pa [0.40in.WG]
Power source : 208-230V

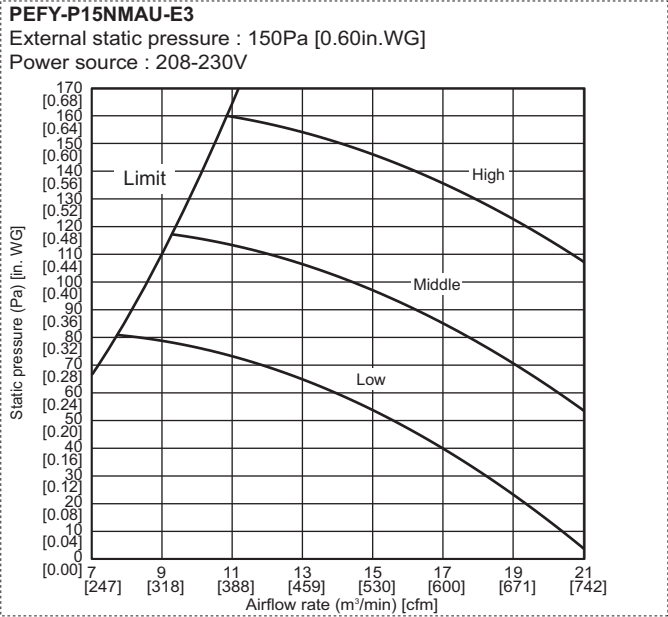
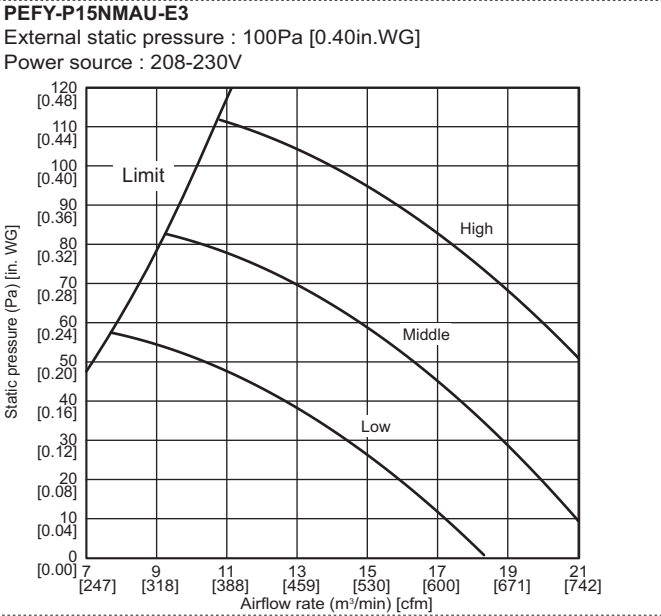
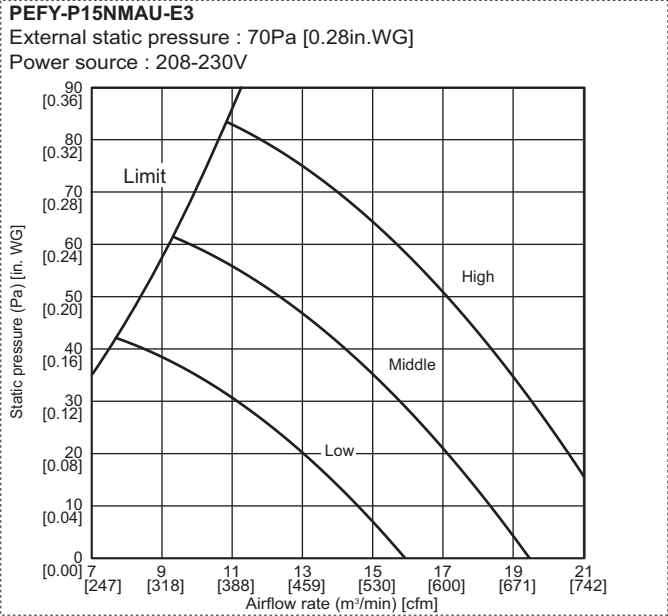
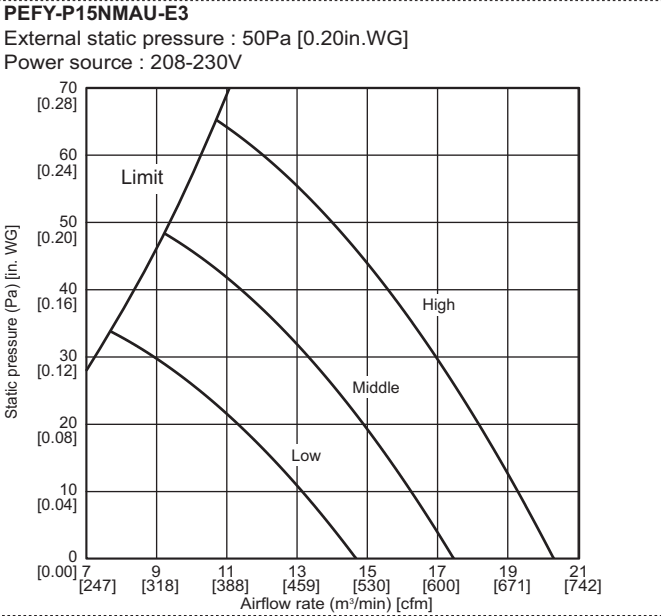
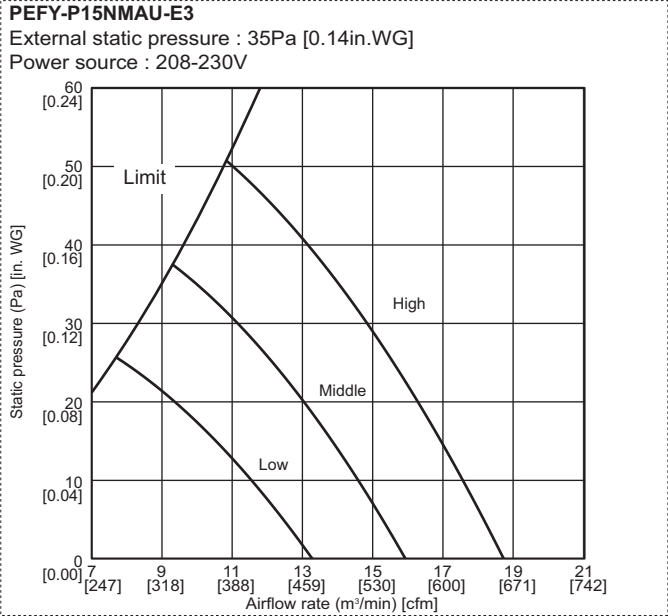


PEFY-P12NMAU-E3

External static pressure : 150Pa [0.60in.WG]
Power source : 208-230V



PEFY-NMAU



6. FAN CHARACTERISTICS CURVES

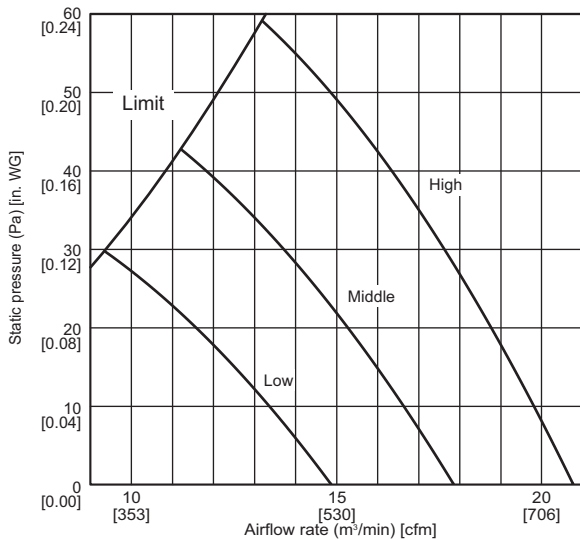
U11 2nd

PEFY-NMAU

PEFY-P18NMAU-E3

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

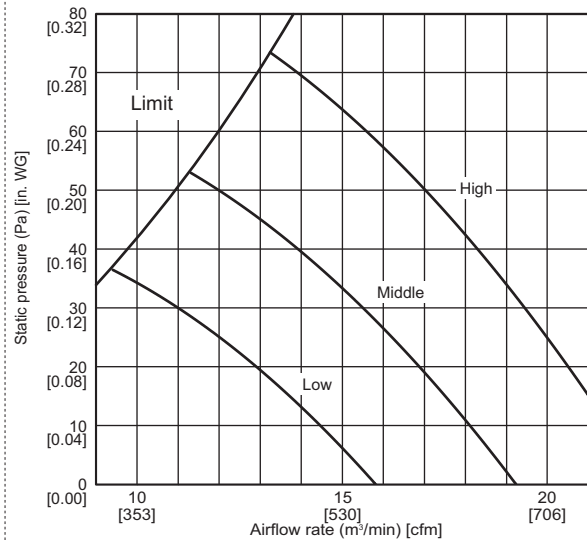
Power source : 208-230V



PEFY-P18NMAU-E3

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

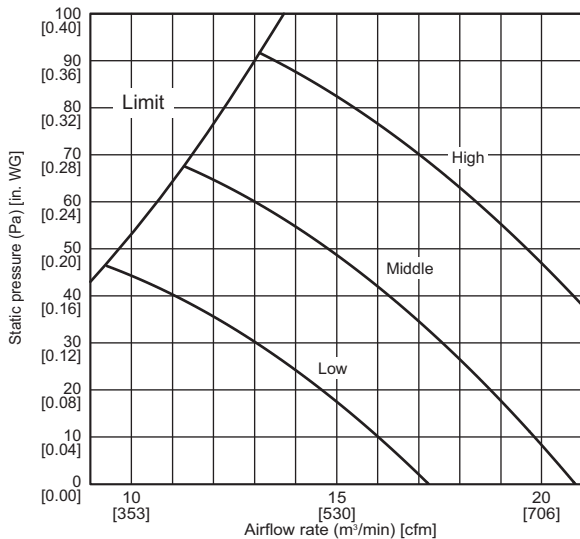
Power source : 208-230V



PEFY-P18NMAU-E3

External static pressure : 70Pa [0.28in.WG]

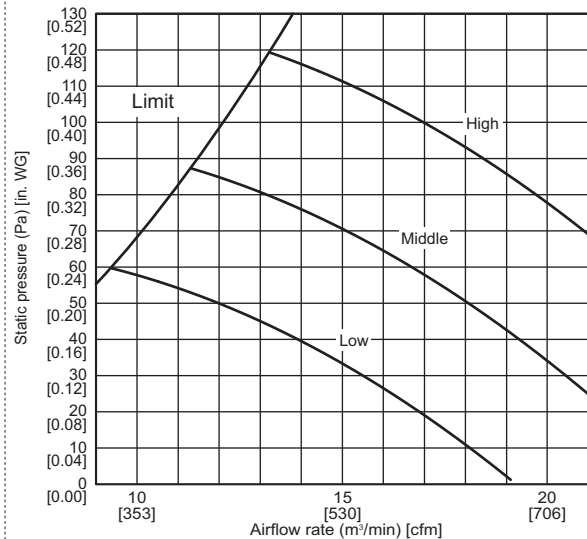
Power source : 208-230V



PEFY-P18NMAU-E3

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

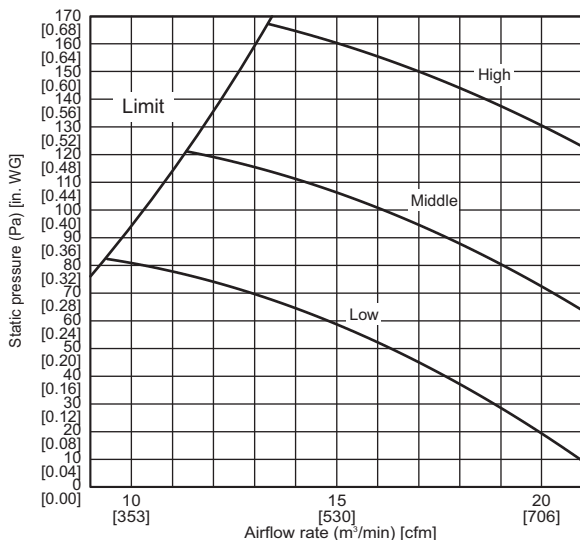
Power source : 208-230V



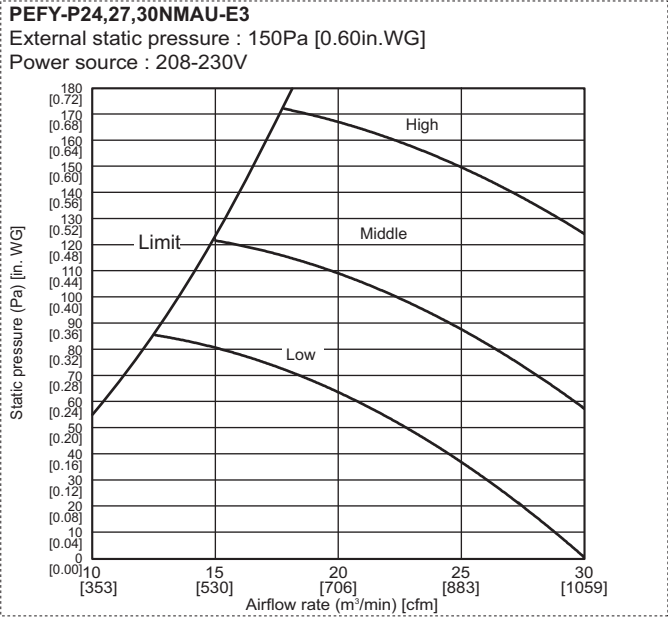
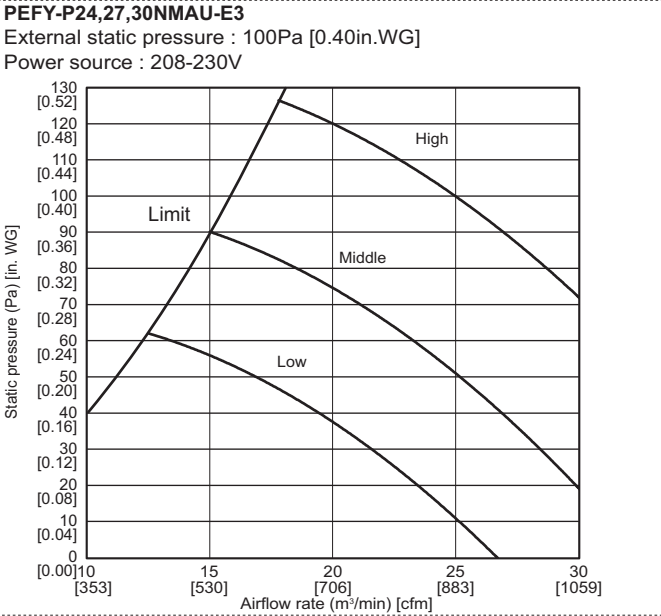
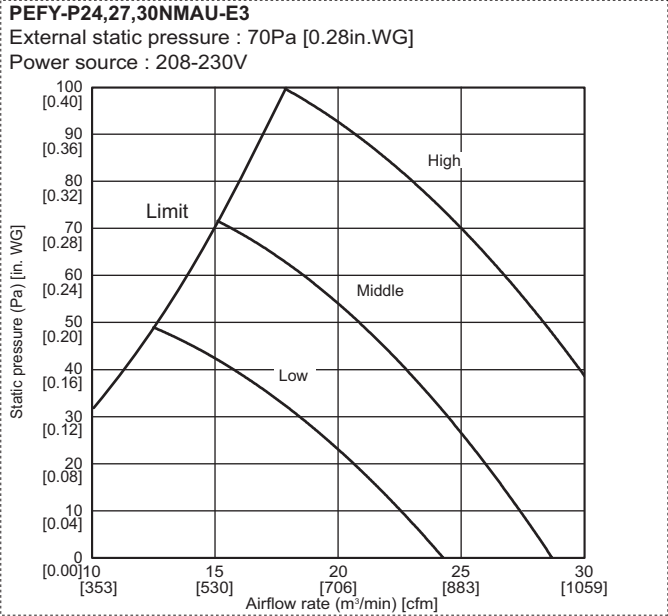
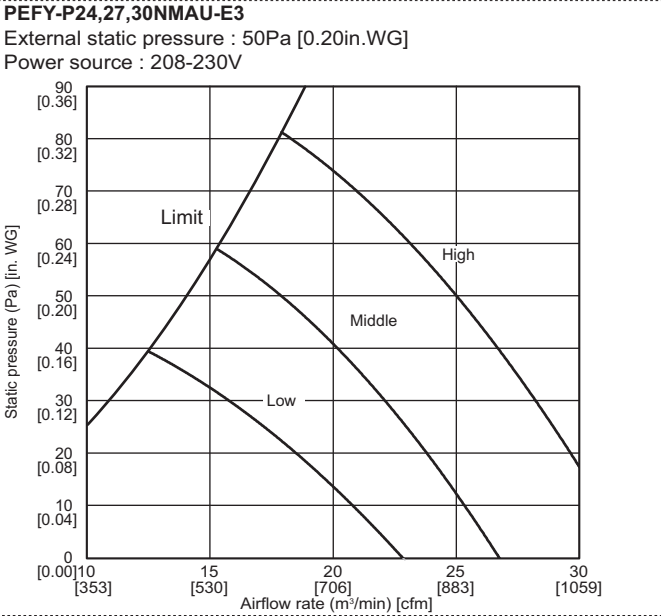
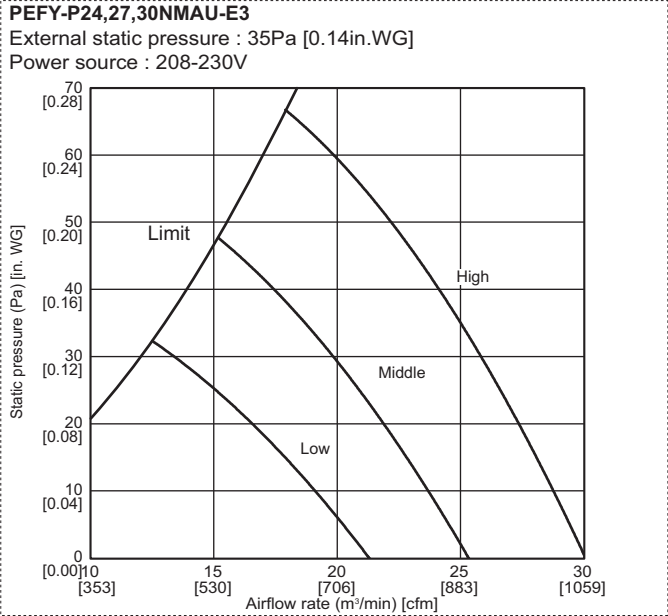
PEFY-P18NMAU-E3

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

Power source : 208-230V



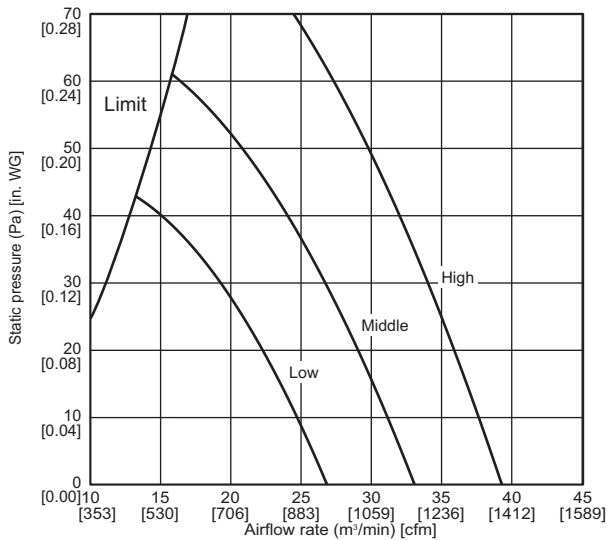
PEFY-NMAU



PEFY-P36NMAU-E3

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

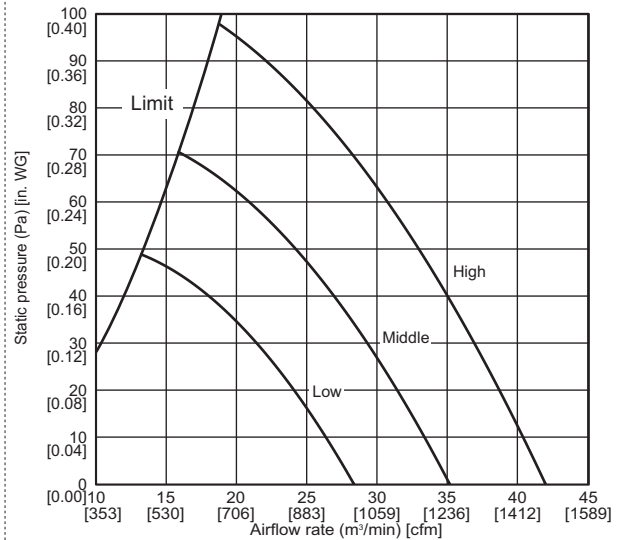
Power source : 208-230V



PEFY-P36NMAU-E3

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

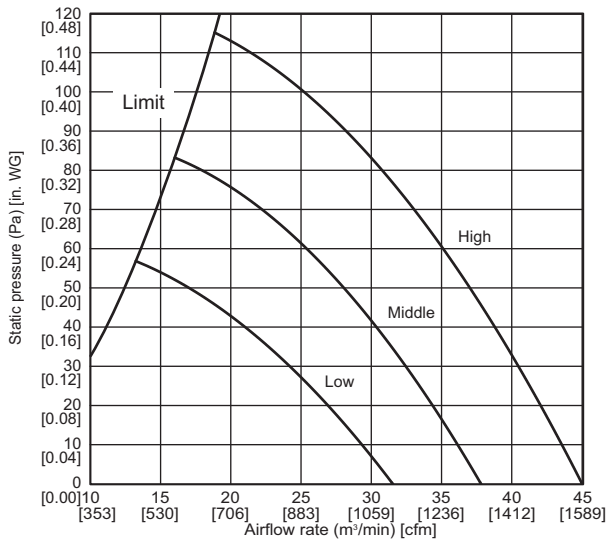
Power source : 208-230V



PEFY-P36NMAU-E3

External static pressure : 70Pa [0.28in.WG]

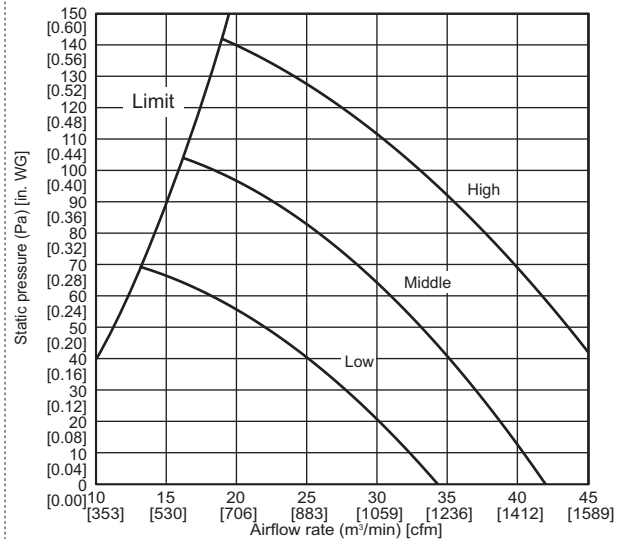
Power source : 208-230V



PEFY-P36NMAU-E3

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

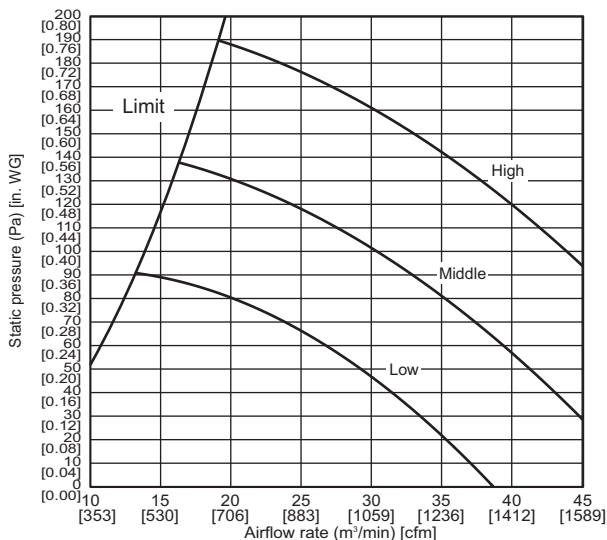
Power source : 208-230V

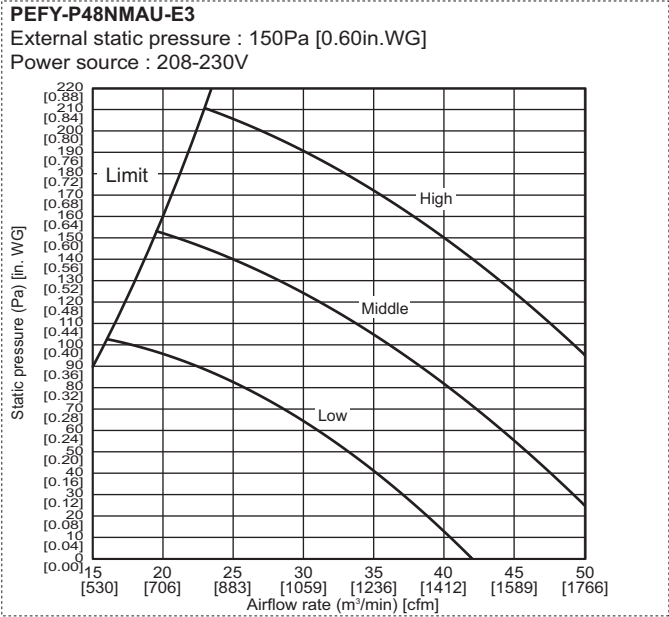
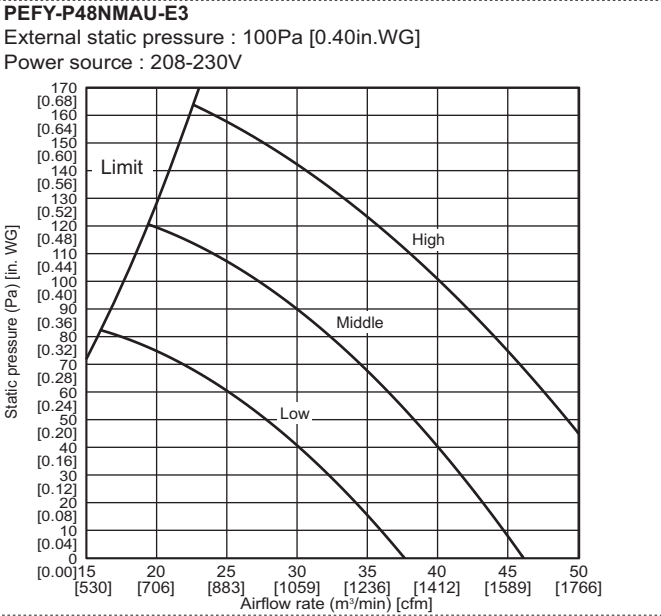
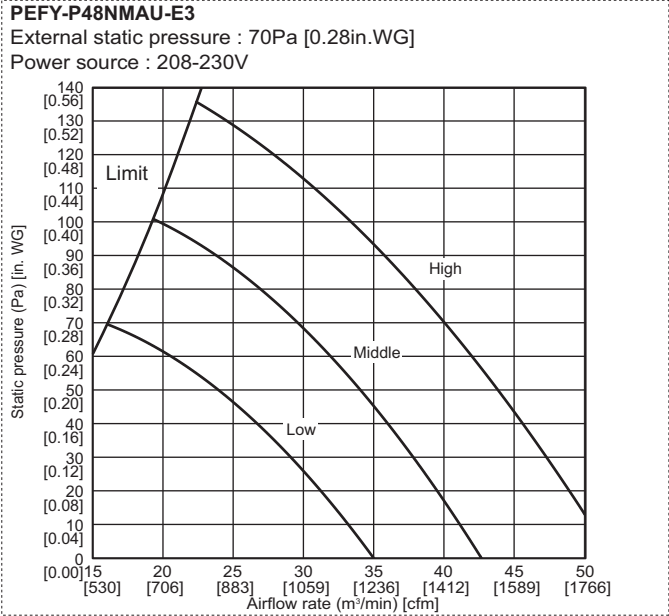
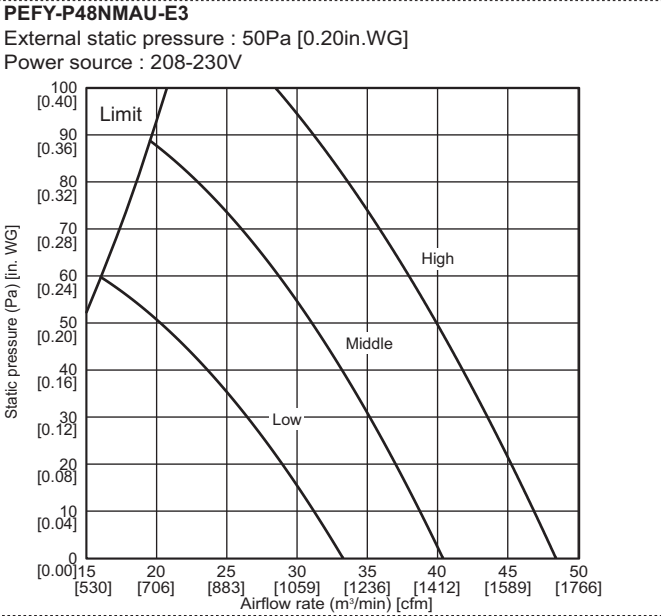
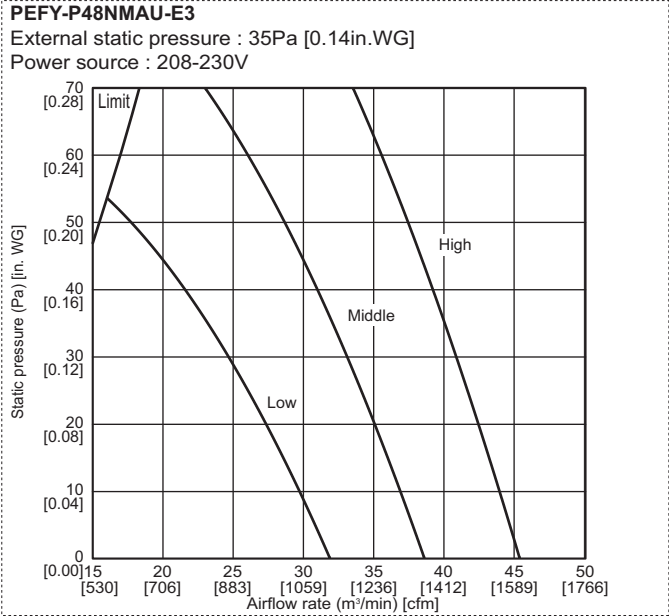


PEFY-P36NMAU-E3

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

Power source : 208-230V





6. FAN CHARACTERISTICS CURVES

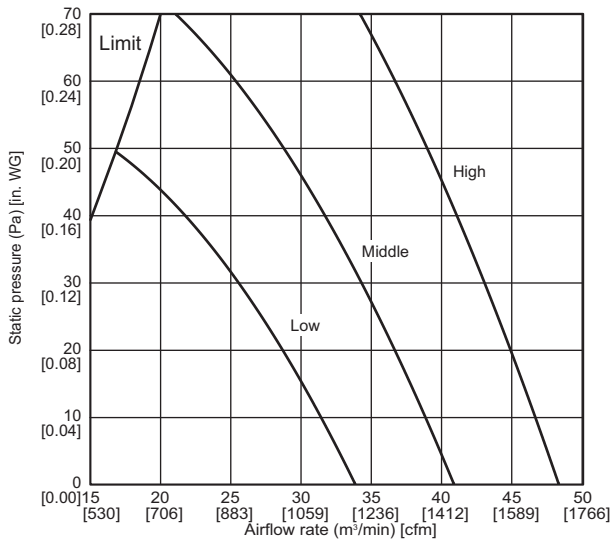
U11 2nd

PEFY-NMAU

PEFY-P54NMAU-E3

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

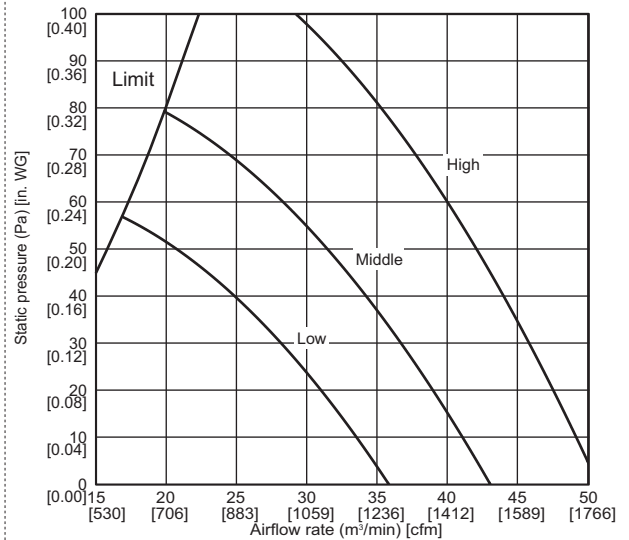
Power source : 208-230V



PEFY-P54NMAU-E3

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

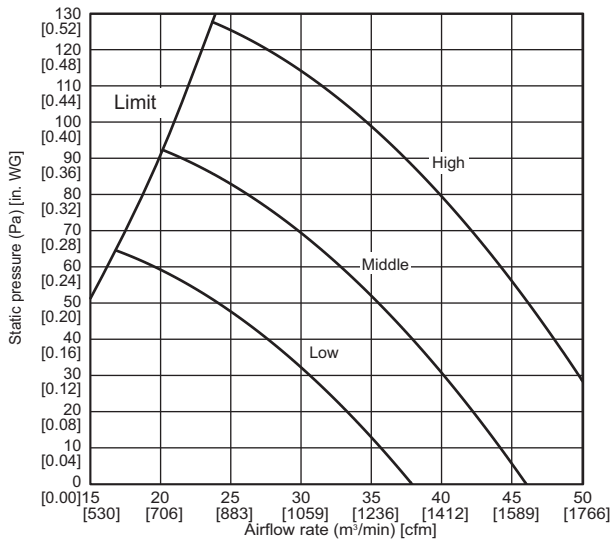
Power source : 208-230V



PEFY-P54NMAU-E3

External static pressure : 70Pa [0.28in.WG]

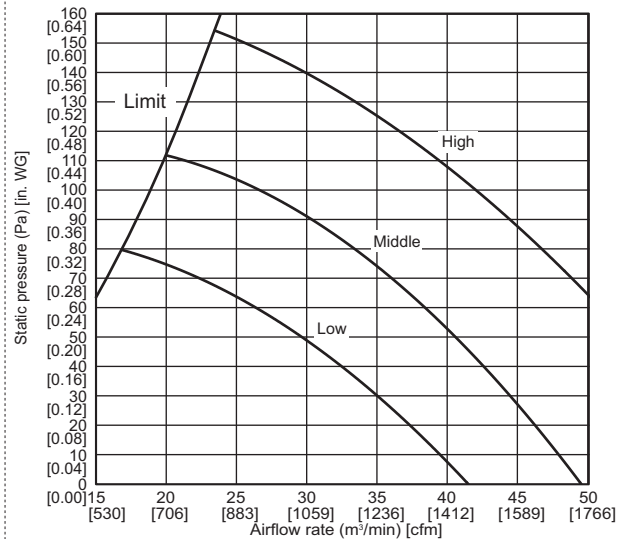
Power source : 208-230V



PEFY-P54NMAU-E3

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

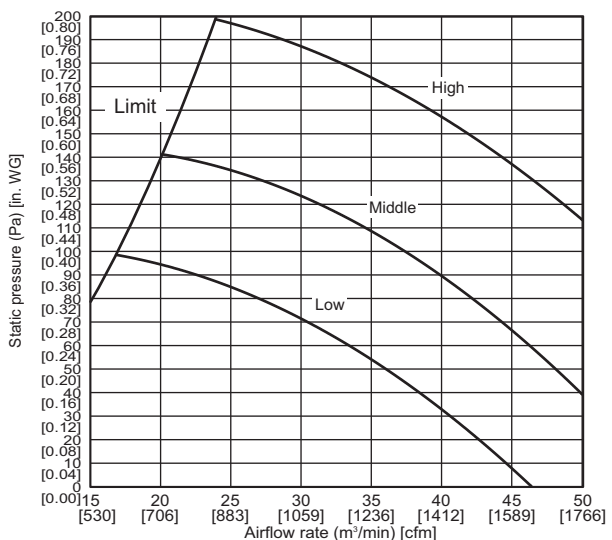
Power source : 208-230V



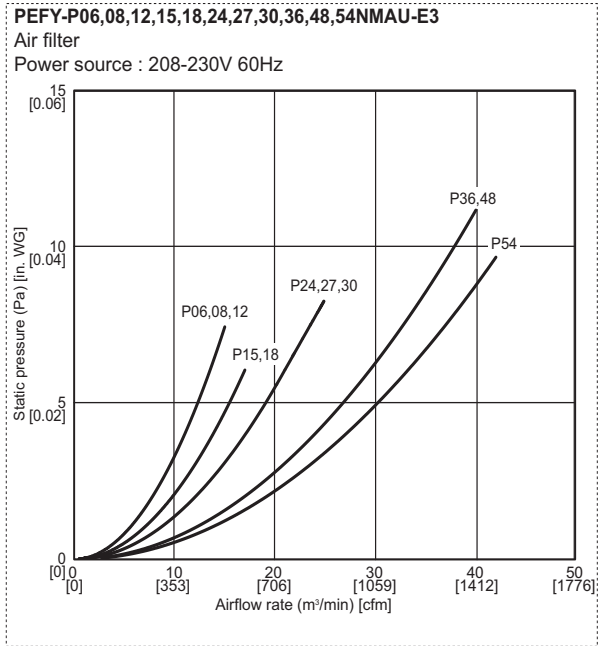
PEFY-P54NMAU-E3

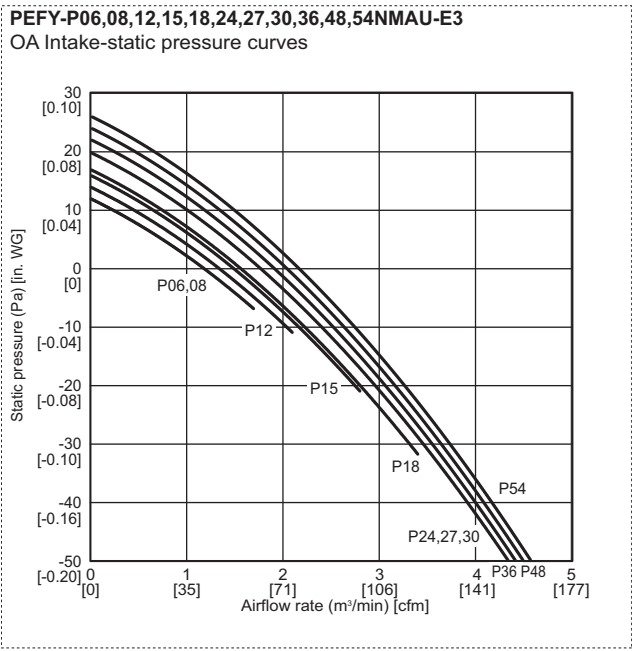
External static pressure : 150Pa [0.60in.WG]

Power source : 208-230V



Air filter static pressure cuves

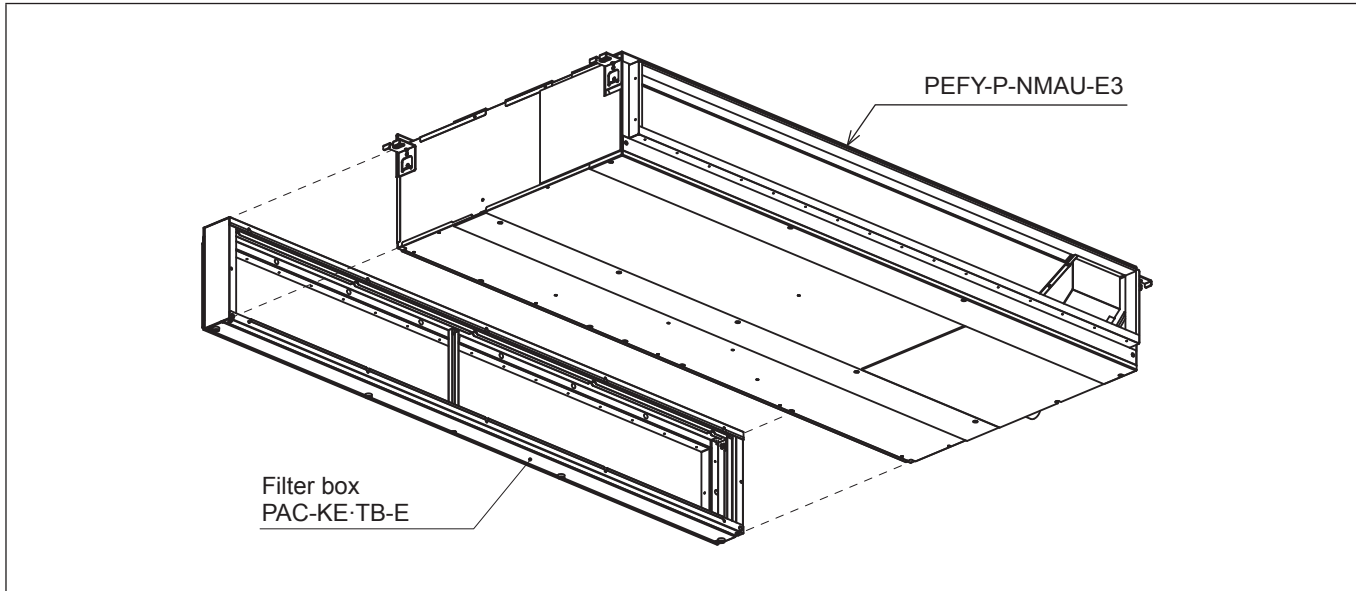




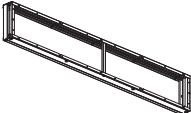
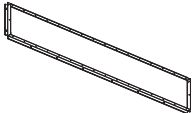
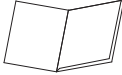
8-1. Optional parts line up for the Indoor unit

	Filter box	External heater adapter
PEFY-P06, 08, 12NMAU-E3	PAC-KE91TB-E	PAC-YU25HT
PEFY-P15, 18NMAU-E3	PAC-KE92TB-E	PAC-YU25HT
PEFY-P24, 27, 30NMAU-E3	PAC-KE93TB-E	PAC-YU25HT
PEFY-P36,48NMAU-E3	PAC-KE94TB-E	PAC-YU25HT
PEFY-P54NMAU-E3	PAC-KE95TB-E	PAC-YU25HT

● PEFY-P-NMAU-E3



8-2. Filter box

PAC-KE-TB-E					
Item	1 Screw	2 Filter box	3 FLANGE	4 Installation manual	
Quantity	30	1	1	1	
Shape					

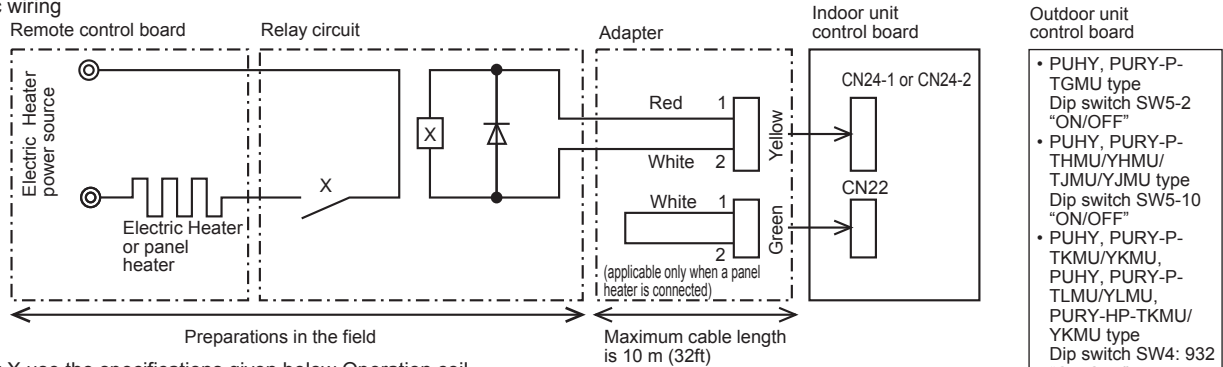
Detailed installation information should be referred to its Installation Manual.

8-3. External heater adapter

External heater adapter PAC-YU25HT is a set of special wiring parts for controlling the electric heater* with the air conditioner system.
*The electric heater should be designed and prepared at the site.

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

(1) Basic wiring



For relay X use the specifications given below

Operation coil

Rated voltage : 12VDC

Power consumption : 1W or less

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

The length of the electrical wiring for the PAC-YU25HT is 2 meters (6-1/2 ft).

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

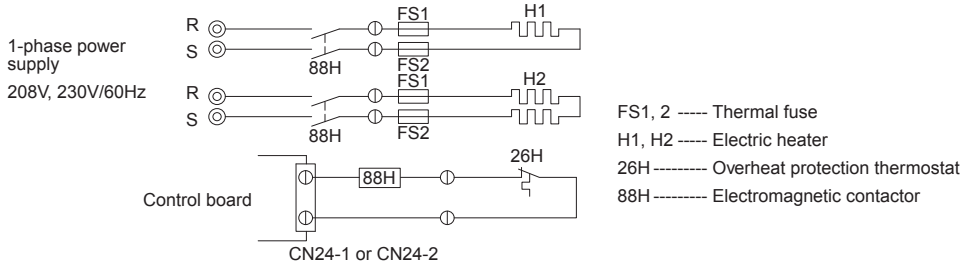
Control cable type : CVV, CVS, CPEV or equivalent.

Cable size : 0.5 mm² ~ 1.25 mm² (16 to 22 AWG)

Don't extend the cable more than 10 meters (32ft).

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

(2) Recommended circuit



Item	① External output cable	② Connector (for use with the panel heater)	
Quantity	2	3	
Shape			

Wiring details and Installation details should be referred to its Installation Manual.