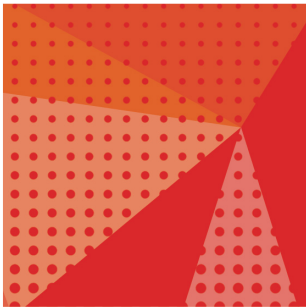


AIR CONDITIONING SYSTEMS

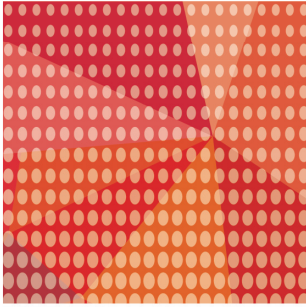
CITY MULTI



DATA BOOK

MODEL

PEFY-M-NMHU-A



PEFY-M-NMHU-A

1. SPECIFICATIONS	2
2. EXTERNAL DIMENSIONS	12
3. CENTER OF GRAVITY	16
4. ELECTRICAL WIRING DIAGRAMS	17
5. SOUND LEVELS	19
5-1. Sound levels	19
5-2. NC curves	19
6. FAN CHARACTERISTICS CURVES.....	23
7. ELECTRICAL CHARACTERISTICS.....	29
8. OPTIONAL PARTS.....	30
8-1. Optional parts line up for the Indoor unit.....	30
8-2. Long-life filter	30
8-3. External heater adapter	31

1. SPECIFICATIONS

Ceiling concealed (High static pressure type)

PEFY-M-NMHU-A

SPECIFICATIONS OF Air Conditioner				(Ceiling-concealed TYPE)		
MODEL				PEFY-M15NMHU-A		
Power source				1-phase 208/230V 60Hz		
Cooling capacity		*1	BTU/h	15,000		
		*1	kW	4.4		
		*2	Power input	kW	0.122/0.122	
		*2	Current input	A	0.90/0.81	
Heating capacity		*3	BTU/h	17,000		
		*3	kW	5.0		
		*2	Power input	kW	0.120/0.120	
		*2	Current input	A	0.90/0.81	
External finish				Galvanized steel plate		
External dimension HxWxD			inch	15 x 29-3/8 x 35-7/16		
			mm	380 x 745 x 900		
Net weight			lbs (kg)	82 (37)		
Heat exchanger				Cross fin (Aluminum fin and copper tube)		
FAN	Type x Quantity			Sirocco fan x 1		
	*4	External static press.	in.WG	<0.40> - 0.60 - <0.80> - <1.00>		
			Pa	<100> - 150 - <200> - <250>		
	Motor Type			DC Motor		
	Motor output			kW	0.300	
	Driving mechanism			Direct-driven by motor		
	Air flow rate			(Low-Middle-High)		
				cfm	353 - 424 - 494	
				m ³ /min	10.0 - 12.0 - 14.0	
				L/s	167 - 200 - 233	
Sound pressure level (measured in anechoic room)				(Low-Middle-High)	31 - 35 - 38	
Insulation material				EPS, Polyethylene foam, Urethane foam		
Air filter				Option:Synthetic fiber unwoven cloth filter(long life filter) and filter box are recommended.		
Protection device				Fuse		
Refrigerant control device				LEV		
Connectable outdoor unit				R32/R454B CITY MULTI		
Diameter of refrigerant pipe	Liquid	inch (mm)		1/4 (6.35)Brazed		
	Gas	inch (mm)		1/2 (12.7)Brazed		
Field drain pipe size			inch (mm)	O.D. 1-1/4 (32)		
Drawing	External			KB94CAF6		
	Wiring			KB94CAHL		
	Refrigerant cycle			-		
Standard attachment	Document			Installation Manual, Instruction Book		
	Accessory			Insulation pipe for refrigerant pipe, Drain hose, Tie band, Washer, Breaker label		
Optional parts	External heater adapter			PAC-YU25HT		
	Long-life filter			PAC-KE86LAF		
	Filter box			PAC-KE63TB-F		
Remarks						
* Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual.						
* Due to continuing improvement, above specifications may be subject to change without notice.						
Notes:					Unit converter	
1.Nominal cooling conditions					BTU/h =kW x 3,412	
Indoor: 80 ° FD.B./67 ° FW.B. (26.7 ° CD.B./19.4 ° CW.B.), Outdoor: 95 ° FD.B. (35 ° CD.B.)					cfm =m ³ /min x 35.31	
Pipe length: 25 ft. (7.6 m), Level difference: 0 ft. (0 m)					lbs =kg/0.4536	
2.The values are measured at the factory setting of external static pressure.						
3.Nominal heating conditions						
Indoor: 70 ° FD.B. (21.1 ° CD.B.), Outdoor: 47 ° FD.B./43 ° FW.B. (8.3 ° CD.B./6.1 ° CW.B.)						
Pipe length: 25 ft. (7.6 m), Level difference: 0 ft. (0 m)						
4.The factory setting of external static pressure is shown without < >.						
Refer to "Fan characteristics curves", according to the external static pressure, in DATA BOOK for the usable range of air flow rate.						
5.Auxiliary devices which may be a potential ignition source shall not be installed in the duct work.						
Examples of such potential ignition sources are hot surfaces with a temperature exceeding 700°C [1292°F] and electric switching devices.						
					*Above specification data is subject to rounding variation.	

1. SPECIFICATIONS

Ceiling concealed (High static pressure type)

PEFY-M-NMHU-A

SPECIFICATIONS OF Air Conditioner			(Ceiling-concealed TYPE)	
MODEL			PEFY-M18NMHU-A	
Power source			1-phase 208/230V 60Hz	
Cooling capacity	*1	BTU/h	18,000	
	*1	kW	5.3	
	*2	Power input	kW	0.122/0.122
	*2	Current input	A	0.90/0.81
Heating capacity	*3	BTU/h	20,000	
	*3	kW	5.9	
	*2	Power input	kW	0.120/0.120
	*2	Current input	A	0.90/0.81
External finish			Galvanized steel plate	
External dimension HxWxD		inch	15 x 29-3/8 x 35-7/16	
		mm	380 x 745 x 900	
Net weight		lbs (kg)	82 (37)	
Heat exchanger			Cross fin (Aluminum fin and copper tube)	
FAN	Type x Quantity		Sirocco fan x 1	
	*4	External static press.	in.WG	<0.40> - 0.60 - <0.80> - <1.00>
			Pa	<100> - 150 - <200> - <250>
	Motor Type		DC Motor	
	Motor output		kW	0.300
	Driving mechanism		Direct-driven by motor	
	Air flow rate		(Low-Middle-High)	
			cfm	353 - 424 - 494
			m ³ /min	10.0 - 12.0 - 14.0
L/s			167 - 200 - 233	
Sound pressure level (measured in anechoic room)		*2	dB (A)	(Low-Middle-High) 31 - 35 - 38
Insulation material			EPS, Polyethylene foam, Urethane foam	
Air filter			Option:Synthetic fiber unwoven cloth filter(long life filter) and filter box are recommended.	
Protection device			Fuse	
Refrigerant control device			LEV	
Connectable outdoor unit			R32/R454B CITY MULTI	
Diameter of refrigerant pipe	Liquid	inch (mm)	1/4 (6.35)Brazed	
	Gas	inch (mm)	1/2 (12.7)Brazed	
Field drain pipe size		inch (mm)	O.D. 1-1/4 (32)	
Drawing	External		KB94CAF6	
	Wiring		KB94CAHL	
	Refrigerant cycle		-	
Standard attachment	Document		Installation Manual, Instruction Book	
	Accessory		Insulation pipe for refrigerant pipe, Drain hose, Tie band, Washer, Breaker label	
Optional parts	External heater adapter		PAC-YU25HT	
	Long-life filter		PAC-KE86LAF	
	Filter box		PAC-KE63TB-F	
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 ° FD.B./67 ° FW.B. (26.7 ° CD.B./19.4 ° CW.B.), Outdoor: 95 ° FD.B. (35 ° CD.B.) Pipe length: 25 ft. (7.6 m), Level difference: 0 ft. (0 m)			BTU/h =kW x 3,412	
2.The values are measured at the factory setting of external static pressure.			cfm =m ³ /min x 35.31	
3.Nominal heating conditions Indoor: 70 ° FD.B. (21.1 ° CD.B.), Outdoor: 47 ° FD.B./43 ° FW.B. (8.3 ° CD.B./6.1 ° CW.B.) Pipe length: 25 ft. (7.6 m), Level difference: 0 ft. (0 m)			lbs =kg/0.4536	
4.The factory setting of external static pressure is shown without < >. Refer to "Fan characteristics curves", according to the external static pressure, in DATA BOOK for the usable range of air flow rate.				
5.Auxiliary devices which may be a potential ignition source shall not be installed in the duct work. Examples of such potential ignition sources are hot surfaces with a temperature exceeding 700°C [1292°F] and electric switching devices.				
			*Above specification data is subject to rounding variation.	

1. SPECIFICATIONS

Ceiling concealed (High static pressure type)

PEFY-M-NMHU-A

SPECIFICATIONS OF Air Conditioner			(Ceiling-concealed TYPE)	
MODEL			PEFY-M24NMHU-A	
Power source			1-phase 208/230V 60Hz	
Cooling capacity	*1	BTU/h	24,000	
	*1	kW	7.0	
	*2	Power input	0.172/0.172	
	*2	Current input	1.21/1.09	
Heating capacity	*3	BTU/h	27,000	
	*3	kW	7.9	
	*2	Power input	0.170/0.170	
	*2	Current input	1.21/1.09	
External finish			Galvanized steel plate	
External dimension HxWxD		inch	15 x 29-3/8 x 35-7/16	
		mm	380 x 745 x 900	
Net weight		lbs (kg)	82 (37)	
Heat exchanger			Cross fin (Aluminum fin and copper tube)	
FAN	Type x Quantity		Sirocco fan x 1	
	*4	External static press.	in.WG	<0.40> - 0.60 - <0.80> - <1.00>
			Pa	<100> - 150 - <200> - <250>
	Motor Type		DC Motor	
	Motor output		kW	0.300
	Driving mechanism		Direct-driven by motor	
	Air flow rate		(Low-Middle-High)	
			cfm	477 - 565 - 671
			m ³ /min	13.5 - 16.0 - 19.0
			L/s	225 - 267 - 317
Sound pressure level (measured in anechoic room)		*2	dB (A)	(Low-Middle-High) 32 - 36 - 40
Insulation material			EPS, Polyethylene foam, Urethane foam	
Air filter			Option:Synthetic fiber unwoven cloth filter(long life filter) and filter box are recommended.	
Protection device			Fuse	
Refrigerant control device			LEV	
Connectable outdoor unit			R32/R454B CITY MULTI	
Diameter of refrigerant pipe	Liquid	inch (mm)	3/8 (9.52)Brazed	
	Gas	inch (mm)	5/8 (15.88)Brazed	
Field drain pipe size		inch (mm)	O.D. 1-1/4 (32)	
Drawing	External		KB94CAF6	
	Wiring		KB94CAHL	
	Refrigerant cycle		-	
Standard attachment	Document		Installation Manual, Instruction Book	
	Accessory		Insulation pipe for refrigerant pipe, Drain hose, Tie band, Washer, Breaker label	
Optional parts	External heater adapter		PAC-YU25HT	
	Long-life filter		PAC-KE86LAF	
	Filter box		PAC-KE63TB-F	
Remarks				
* Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual.				
* Due to continuing improvement, above specifications may be subject to change without notice.				
Notes:			Unit converter	
1.Nominal cooling conditions			BTU/h =kW x 3,412	
Indoor: 80 ° FD.B./67 ° FW.B. (26.7 ° CD.B./19.4 ° CW.B.), Outdoor: 95 ° FD.B. (35 ° CD.B.)			cfm =m ³ /min x 35.31	
Pipe length: 25 ft. (7.6 m), Level difference: 0 ft. (0 m)			lbs =kg/0.4536	
2.The values are measured at the factory setting of external static pressure.				
3.Nominal heating conditions				
Indoor: 70 ° FD.B. (21.1 ° CD.B.), Outdoor: 47 ° FD.B./43 ° FW.B. (8.3 ° CD.B./6.1 ° CW.B.)				
Pipe length: 25 ft. (7.6 m), Level difference: 0 ft. (0 m)				
4.The factory setting of external static pressure is shown without < >.				
Refer to "Fan characteristics curves", according to the external static pressure, in DATA BOOK for the usable range of air flow rate.				
5.Auxiliary devices which may be a potential ignition source shall not be installed in the duct work.				
Examples of such potential ignition sources are hot surfaces with a temperature exceeding 700°C [1292°F] and electric switching devices.				
			*Above specification data is subject to rounding variation.	

1. SPECIFICATIONS

Ceiling concealed (High static pressure type)

PEFY-M-NMHU-A

SPECIFICATIONS OF Air Conditioner			(Ceiling-concealed TYPE)	
MODEL			PEFY-M27NMHU-A	
Power source			1-phase 208/230V 60Hz	
Cooling capacity	*1	BTU/h	27,000	
	*1	kW	7.9	
	*2	Power input	kW	0.192/0.192
	*2	Current input	A	1.30/1.18
Heating capacity	*3	BTU/h	30,000	
	*3	kW	8.8	
	*2	Power input	kW	0.190/0.190
	*2	Current input	A	1.30/1.18
External finish			Galvanized steel plate	
External dimension HxWxD		inch	15 x 40-9/16 x 35-7/16	
		mm	380 x 1030 x 900	
Net weight		lbs (kg)	104 (47)	
Heat exchanger			Cross fin (Aluminum fin and copper tube)	
FAN	Type x Quantity		Sirocco fan x 2	
	*4	External static press.	in.WG	<0.40> - 0.60 - <0.80> - <1.00>
			Pa	<100> - 150 - <200> - <250>
	Motor Type		DC Motor	
	Motor output		kW	0.300
	Driving mechanism		Direct-driven by motor	
	Air flow rate		(Low-Middle-High)	
			cfm	547 - 636 - 777
			m ³ /min	15.5 - 18.0 - 22.0
			L/s	258 - 300 - 367
Sound pressure level (measured in anechoic room)		*2	dB (A)	(Low-Middle-High) 29 - 33 - 38
Insulation material			EPS, Polyethylene foam, Urethane foam	
Air filter			Option:Synthetic fiber unwoven cloth filter(long life filter) and filter box are recommended.	
Protection device			Fuse	
Refrigerant control device			LEV	
Connectable outdoor unit			R32/R454B CITY MULTI	
Diameter of refrigerant pipe	Liquid	inch (mm)	3/8 (9.52)Brazed	
	Gas	inch (mm)	5/8 (15.88)Brazed	
Field drain pipe size		inch (mm)	O.D. 1-1/4 (32)	
Drawing	External		KB94CAF6	
	Wiring		KB94CAHL	
	Refrigerant cycle		-	
Standard attachment	Document		Installation Manual, Instruction Book	
	Accessory		Insulation pipe for refrigerant pipe, Drain hose, Tie band, Washer, Breaker label	
Optional parts	External heater adapter		PAC-YU25HT	
	Long-life filter		PAC-KE88LAF	
	Filter box		PAC-KE80TB-G	
Remarks				
* Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual.				
* Due to continuing improvement, above specifications may be subject to change without notice.				
Notes:			Unit converter	
1.Nominal cooling conditions			BTU/h =kW x 3,412	
Indoor: 80 ° FD.B./67 ° FW.B. (26.7 ° CD.B./19.4 ° CW.B.), Outdoor: 95 ° FD.B. (35 ° CD.B.)			cfm =m ³ /min x 35.31	
Pipe length: 25 ft. (7.6 m), Level difference: 0 ft. (0 m)			lbs =kg/0.4536	
2.The values are measured at the factory setting of external static pressure.				
3.Nominal heating conditions				
Indoor: 70 ° FD.B. (21.1 ° CD.B.), Outdoor: 47 ° FD.B./43 ° FW.B. (8.3 ° CD.B./6.1 ° CW.B.)				
Pipe length: 25 ft. (7.6 m), Level difference: 0 ft. (0 m)				
4.The factory setting of external static pressure is shown without < > .				
Refer to "Fan characteristics curves", according to the external static pressure, in DATA BOOK for the usable range of air flow rate.				
5.Auxiliary devices which may be a potential ignition source shall not be installed in the duct work.				
Examples of such potential ignition sources are hot surfaces with a temperature exceeding 700°C [1292°F] and electric switching devices.				
			*Above specification data is subject to rounding variation.	

1. SPECIFICATIONS

Ceiling concealed (High static pressure type)

PEFY-M-NMHU-A

SPECIFICATIONS OF Air Conditioner			(Ceiling-concealed TYPE)	
MODEL			PEFY-M30NMHU-A	
Power source			1-phase 208/230V 60Hz	
Cooling capacity	*1	BTU/h	30,000	
	*1	kW	8.8	
	*2	Power input	0.222/0.222	
	*2	Current input	1.50/1.36	
Heating capacity	*3	BTU/h	34,000	
	*3	kW	10.0	
	*2	Power input	0.220/0.220	
	*2	Current input	1.50/1.36	
External finish			Galvanized steel plate	
External dimension HxWxD		inch	15 x 40-9/16 x 35-7/16	
		mm	380 x 1030 x 900	
Net weight		lbs (kg)	104 (47)	
Heat exchanger			Cross fin (Aluminum fin and copper tube)	
FAN	Type x Quantity		Sirocco fan x 2	
	*4	External static press.	in.WG	<0.40> - 0.60 - <0.80> - <1.00>
			Pa	<100> - 150 - <200> - <250>
	Motor Type		DC Motor	
	Motor output		kW	0.300
	Driving mechanism		Direct-driven by motor	
	Air flow rate		(Low-Middle-High)	
			cfm	636 - 759 - 883
			m ³ /min	18.0 - 21.5 - 25.0
			L/s	300 - 358 - 417
Sound pressure level (measured in anechoic room)		*2	dB (A)	(Low-Middle-High) 31 - 35 - 40
Insulation material			EPS, Polyethylene foam, Urethane foam	
Air filter			Option:Synthetic fiber unwoven cloth filter(long life filter) and filter box are recommended.	
Protection device			Fuse	
Refrigerant control device			LEV	
Connectable outdoor unit			R32/R454B CITY MULTI	
Diameter of refrigerant pipe	Liquid	inch (mm)	3/8 (9.52)Brazed	
	Gas	inch (mm)	5/8 (15.88)Brazed	
Field drain pipe size		inch (mm)	O.D. 1-1/4 (32)	
Drawing	External		KB94CAF6	
	Wiring		KB94CAHL	
	Refrigerant cycle		-	
Standard attachment	Document		Installation Manual, Instruction Book	
	Accessory		Insulation pipe for refrigerant pipe, Drain hose, Tie band, Washer, Breaker label	
Optional parts	External heater adapter		PAC-YU25HT	
	Long-life filter		PAC-KE88LAF	
	Filter box		PAC-KE80TB-G	
Remarks				
* Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual.				
* Due to continuing improvement, above specifications may be subject to change without notice.				
Notes:			Unit converter	
1.Nominal cooling conditions			BTU/h =kW x 3,412	
Indoor: 80 ° FD.B./67 ° FW.B. (26.7 ° CD.B./19.4 ° CW.B.), Outdoor: 95 ° FD.B. (35 ° CD.B.)			cfm =m ³ /min x 35.31	
Pipe length: 25 ft. (7.6 m), Level difference: 0 ft. (0 m)			lbs =kg/0.4536	
2.The values are measured at the factory setting of external static pressure.				
3.Nominal heating conditions				
Indoor: 70 ° FD.B. (21.1 ° CD.B.), Outdoor: 47 ° FD.B./43 ° FW.B. (8.3 ° CD.B./6.1 ° CW.B.)				
Pipe length: 25 ft. (7.6 m), Level difference: 0 ft. (0 m)				
4.The factory setting of external static pressure is shown without < >.				
Refer to "Fan characteristics curves", according to the external static pressure, in DATA BOOK for the usable range of air flow rate.				
5.Auxiliary devices which may be a potential ignition source shall not be installed in the duct work.				
Examples of such potential ignition sources are hot surfaces with a temperature exceeding 700°C [1292°F] and electric switching devices.				
			*Above specification data is subject to rounding variation.	

1. SPECIFICATIONS

Ceiling concealed (High static pressure type)

PEFY-M-NMHU-A

SPECIFICATIONS OF Air Conditioner			(Ceiling-concealed TYPE)	
MODEL			PEFY-M36NMHU-A	
Power source			1-phase 208/230V 60Hz	
Cooling capacity	*1	BTU/h	36,000	
	*1	kW	10.6	
	*2	Power input	kW	0.332/0.332
	*2	Current input	A	2.30/2.08
Heating capacity	*3	BTU/h	40,000	
	*3	kW	11.7	
	*2	Power input	kW	0.330/0.330
	*2	Current input	A	2.30/2.08
	External finish		Galvanized steel plate	
External dimension HxWxD		inch	15 x 47-1/16 x 35-7/16	
		mm	380 x 1195 x 900	
Net weight		lbs (kg)	122 (55)	
Heat exchanger			Cross fin (Aluminum fin and copper tube)	
FAN	Type x Quantity		Sirocco fan x 2	
	*4	External static press.	in.WG	<0.40> - 0.60 - <0.80> - <1.00>
		Pa	<100> - 150 - <200> - <250>	
	Motor Type		DC Motor	
	Motor output		kW	0.375
	Driving mechanism		Direct-driven by motor	
	Air flow rate		(Low-Middle-High)	
			cfm	936 - 1130 - 1342
			m ³ /min	26.5 - 32.0 - 38.0
			L/s	442 - 533 - 633
Sound pressure level (measured in anechoic room)		*2	dB (A)	(Low-Middle-High) 34 - 40 - 44
Insulation material			EPS, Polyethylene foam, Urethane foam	
Air filter			Option:Synthetic fiber unwoven cloth filter(long life filter) and filter box are recommended.	
Protection device			Fuse	
Refrigerant control device			LEV	
Connectable outdoor unit			R32/R454B CITY MULTI	
Diameter of refrigerant pipe	Liquid	inch (mm)	3/8 (9.52)Brazed	
	Gas	inch (mm)	5/8 (15.88)Brazed	
Field drain pipe size		inch (mm)	O.D. 1-1/4 (32)	
Drawing	External		KB94CAF6	
	Wiring		KB94CAHL	
	Refrigerant cycle		-	
Standard attachment	Document		Installation Manual, Instruction Book	
	Accessory		Insulation pipe for refrigerant pipe, Drain hose, Tie band, Washer, Breaker label	
Optional parts	External heater adapter		PAC-YU25HT	
	Long-life filter		PAC-KE89LAF	
	Filter box		PAC-KE140TB-F	
Remarks				
* Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual.				
* Due to continuing improvement, above specifications may be subject to change without notice.				
Notes:			Unit converter	
1.Nominal cooling conditions			BTU/h =kW x 3,412	
Indoor: 80 ° FD.B./67 ° FW.B. (26.7 ° CD.B./19.4 ° CW.B.), Outdoor: 95 ° FD.B. (35 ° CD.B.)			cfm =m ³ /min x 35.31	
Pipe length: 25 ft. (7.6 m), Level difference: 0 ft. (0 m)			lbs =kg/0.4536	
2.The values are measured at the factory setting of external static pressure.				
3.Nominal heating conditions				
Indoor: 70 ° FD.B. (21.1 ° CD.B.), Outdoor: 47 ° FD.B./43 ° FW.B. (8.3 ° CD.B./6.1 ° CW.B.)				
Pipe length: 25 ft. (7.6 m), Level difference: 0 ft. (0 m)				
4.The factory setting of external static pressure is shown without < > .				
Refer to "Fan characteristics curves", according to the external static pressure, in DATA BOOK for the usable range of air flow rate.				
5.Auxiliary devices which may be a potential ignition source shall not be installed in the duct work.				
Examples of such potential ignition sources are hot surfaces with a temperature exceeding 700°C [1292°F] and electric switching devices.				
			*Above specification data is subject to rounding variation.	

1. SPECIFICATIONS

Ceiling concealed (High static pressure type)

PEFY-M-NMHU-A

SPECIFICATIONS OF Air Conditioner			(Ceiling-concealed TYPE)	
MODEL			PEFY-M48NMHU-A	
Power source			1-phase 208/230V 60Hz	
Cooling capacity	*1	BTU/h	48,000	
	*1	kW	14.1	
	*2	Power input	kW	0.332/0.332
	*2	Current input	A	2.30/2.08
Heating capacity	*3	BTU/h	54,000	
	*3	kW	15.8	
	*2	Power input	kW	0.330/0.330
	*2	Current input	A	2.30/2.08
External finish			Galvanized steel plate	
External dimension HxWxD		inch	15 x 47-1/16 x 35-7/16	
		mm	380 x 1195 x 900	
Net weight		lbs (kg)	122 (55)	
Heat exchanger			Cross fin (Aluminum fin and copper tube)	
FAN	Type x Quantity		Sirocco fan x 2	
	*4	External static press.	in.WG	<0.40> - 0.60 - <0.80> - <1.00>
			Pa	<100> - 150 - <200> - <250>
	Motor Type		DC Motor	
	Motor output		kW	0.375
	Driving mechanism		Direct-driven by motor	
	Air flow rate		(Low-Middle-High)	
		cfm	936 - 1130 - 1342	
		m ³ /min	26.5 - 32.0 - 38.0	
		L/s	442 - 533 - 633	
Sound pressure level (measured in anechoic room)		*2	dB (A)	(Low-Middle-High) 34 - 40 - 44
Insulation material			EPS, Polyethylene foam, Urethane foam	
Air filter			Option:Synthetic fiber unwoven cloth filter(long life filter) and filter box are recommended.	
Protection device			Fuse	
Refrigerant control device			LEV	
Connectable outdoor unit			R32/R454B CITY MULTI	
Diameter of refrigerant pipe	Liquid	inch (mm)	3/8 (9.52)Braze	
	Gas	inch (mm)	5/8 (15.88)Braze	
Field drain pipe size		inch (mm)	O.D. 1-1/4 (32)	
Drawing	External		KB94CAF6	
	Wiring		KB94CAHL	
	Refrigerant cycle		-	
Standard attachment	Document		Installation Manual, Instruction Book	
	Accessory		Insulation pipe for refrigerant pipe, Drain hose, Tie band, Washer, Breaker label	
Optional parts	External heater adapter		PAC-YU25HT	
	Long-life filter		PAC-KE89LAF	
	Filter box		PAC-KE140TB-F	
Remarks				
* Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual.				
* Due to continuing improvement, above specifications may be subject to change without notice.				
Notes:			Unit converter	
1.Nominal cooling conditions			BTU/h =kW x 3,412	
Indoor: 80 ° FD.B./67 ° FW.B. (26.7 ° CD.B./19.4 ° CW.B.), Outdoor: 95 ° FD.B. (35 ° CD.B.)			cfm =m ³ /min x 35.31	
Pipe length: 25 ft. (7.6 m), Level difference: 0 ft. (0 m)			lbs =kg/0.4536	
2.The values are measured at the factory setting of external static pressure.				
3.Nominal heating conditions				
Indoor: 70 ° FD.B. (21.1 ° CD.B.), Outdoor: 47 ° FD.B./43 ° FW.B. (8.3 ° CD.B./6.1 ° CW.B.)				
Pipe length: 25 ft. (7.6 m), Level difference: 0 ft. (0 m)				
4.The factory setting of external static pressure is shown without < >.				
Refer to "Fan characteristics curves", according to the external static pressure, in DATA BOOK for the usable range of air flow rate.				
5.Auxiliary devices which may be a potential ignition source shall not be installed in the duct work.				
Examples of such potential ignition sources are hot surfaces with a temperature exceeding 700°C [1292°F] and electric switching devices.				
			*Above specification data is subject to rounding variation.	

1. SPECIFICATIONS

Ceiling concealed (High static pressure type)

PEFY-M-NMHU-A

SPECIFICATIONS OF Air Conditioner			(Ceiling-concealed TYPE)	
MODEL			PEFY-M54NMHU-A	
Power source			1-phase 208/230V 60Hz	
Cooling capacity	*1	BTU/h	54,000	
	*1	kW	15.8	
	*2	Power input	kW	0.372/0.372
	*2	Current input	A	2.50/2.26
Heating capacity	*3	BTU/h	60,000	
	*3	kW	17.6	
	*2	Power input	kW	0.370/0.370
	*2	Current input	A	2.50/2.26
External finish			Galvanized steel plate	
External dimension HxWxD		inch	15 x 47-1/16 x 35-7/16	
		mm	380 x 1195 x 900	
Net weight		lbs (kg)	126 (57)	
Heat exchanger			Cross fin (Aluminum fin and copper tube)	
FAN	Type x Quantity		Sirocco fan x 2	
	*4	External static press.	in.WG	<0.40> - 0.60 - <0.80> - <1.00>
			Pa	<100> - 150 - <200> - <250>
	Motor Type		DC Motor	
	Motor output		kW	0.375
	Driving mechanism		Direct-driven by motor	
	Air flow rate		(Low-Middle-High)	
			cfm	989 - 1201 - 1413
			m ³ /min	28.0 - 34.0 - 40.0
			L/s	467 - 567 - 667
Sound pressure level (measured in anechoic room)		*2	dB (A)	(Low-Middle-High) 35 - 40 - 45
Insulation material			EPS, Polyethylene foam, Urethane foam	
Air filter			Option:Synthetic fiber unwoven cloth filter(long life filter) and filter box are recommended.	
Protection device			Fuse	
Refrigerant control device			LEV	
Connectable outdoor unit			R32/R454B CITY MULTI	
Diameter of refrigerant pipe	Liquid	inch (mm)	3/8 (9.52)Brazed	
	Gas	inch (mm)	5/8 (15.88)Brazed	
Field drain pipe size		inch (mm)	O.D. 1-1/4 (32)	
Drawing	External		KB94CAF6	
	Wiring		KB94CAHL	
	Refrigerant cycle		-	
Standard attachment	Document		Installation Manual, Instruction Book	
	Accessory		Insulation pipe for refrigerant pipe, Drain hose, Tie band, Washer, Breaker label	
Optional parts	External heater adapter		PAC-YU25HT	
	Long-life filter		PAC-KE89LAF	
	Filter box		PAC-KE140TB-F	
Remarks				
* Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual.				
* Due to continuing improvement, above specifications may be subject to change without notice.				
Notes:			Unit converter	
1.Nominal cooling conditions			BTU/h =kW x 3,412	
Indoor: 80 ° FD.B./67 ° FW.B. (26.7 ° CD.B./19.4 ° CW.B.), Outdoor: 95 ° FD.B. (35 ° CD.B.)			cfm =m ³ /min x 35.31	
Pipe length: 25 ft. (7.6 m), Level difference: 0 ft. (0 m)			lbs =kg/0.4536	
2.The values are measured at the factory setting of external static pressure.				
3.Nominal heating conditions				
Indoor: 70 ° FD.B. (21.1 ° CD.B.), Outdoor: 47 ° FD.B./43 ° FW.B. (8.3 ° CD.B./6.1 ° CW.B.)				
Pipe length: 25 ft. (7.6 m), Level difference: 0 ft. (0 m)				
4.The factory setting of external static pressure is shown without < > .				
Refer to "Fan characteristics curves", according to the external static pressure, in DATA BOOK for the usable range of air flow rate.				
5.Auxiliary devices which may be a potential ignition source shall not be installed in the duct work.				
Examples of such potential ignition sources are hot surfaces with a temperature exceeding 700°C [1292°F] and electric switching devices.				
			*Above specification data is subject to rounding variation.	

1. SPECIFICATIONS

Ceiling concealed (High static pressure type)

PEFY-M-NMHU-A

SPECIFICATIONS OF Air Conditioner			(Ceiling-concealed TYPE)	
MODEL			PEFY-M72NMHU-A	
Power source			1-phase 208/230V 60Hz	
Cooling capacity	*1	BTU/h	72,000	
	*1	kW	21.1	
	*2	Power input	kW	0.710/0.710
	*2	Current input	A	4.06/3.68
Heating capacity	*3	BTU/h	80,000	
	*3	kW	23.4	
	*2	Power input	kW	0.700/0.700
	*2	Current input	A	3.70/3.35
External finish			Galvanized steel plate	
External dimension HxWxD		inch	18-9/16 x 49-1/4 x 44-1/8	
		mm	470 x 1250 x 1120	
Net weight		lbs (kg)	214 (97)	
Heat exchanger			Cross fin (Aluminum fin and copper tube)	
FAN	Type x Quantity		Sirocco fan x 2	
	*4	External static press.	in.WG	<0.40> - 0.60 - <0.80> - <1.00>
			Pa	<100> - 150 - <200> - <250>
	Motor Type		DC Motor	
	Motor output		kW	1.122
	Driving mechanism		Direct-driven by motor	
	Air flow rate		(Low-Middle-High)	
			cfm	1766 - 2154 - 2543
			m3/min	50.0 - 61.0 - 72.0
			L/s	834 - 1017 - 1200
Sound pressure level (measured in anechoic room)		*2	dB (A)	(Low-Middle-High) 40.5 - 43 - 47
Insulation material			EPS, Polyethylene foam, Urethane foam	
Air filter			Option:Synthetic fiber unwoven cloth filter(long life filter) and filter box are recommended.	
Protection device			Fuse	
Refrigerant control device			LEV	
Connectable outdoor unit			R32/R454B CITY MULTI	
Diameter of refrigerant pipe	Liquid	inch (mm)	3/8 (9.52)Braze	
	Gas	inch (mm)	3/4 (19.05)Braze	
Field drain pipe size		inch (mm)	O.D. 1-1/4 (32)	
Drawing	External		KB94CADN	
	Wiring		KB94CATG	
	Refrigerant cycle		-	
Standard attachment	Document		Installation Manual, Instruction Book	
	Accessory		Insulation pipe for refrigerant pipe, Drain hose, Tie band, Washer, Breaker label	
Optional parts	External heater adapter		PAC-YU25HT	
	Long-life filter		PAC-KE85LAF	
	Filter box		PAC-KE250TB-F	
Remarks				
* Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual.				
* Due to continuing improvement, above specifications may be subject to change without notice.				
Notes:			Unit converter	
1.Nominal cooling conditions			BTU/h =kW x 3,412	
Indoor: 80 ° FD.B./67 ° FW.B. (26.7 ° CD.B./19.4 ° CW.B.), Outdoor: 95 ° FD.B. (35 ° CD.B.)			cfm =m3/min x 35.31	
Pipe length: 25 ft. (7.6 m), Level difference: 0 ft. (0 m)			lbs =kg/0.4536	
2.The values are measured at the factory setting of external static pressure.				
3.Nominal heating conditions				
Indoor: 70 ° FD.B. (21.1 ° CD.B.), Outdoor: 47 ° FD.B./43 ° FW.B. (8.3 ° CD.B./6.1 ° CW.B.)				
Pipe length: 25 ft. (7.6 m), Level difference: 0 ft. (0 m)				
4.The factory setting of external static pressure is shown without < >.				
Refer to "Fan characteristics curves", according to the external static pressure, in DATA BOOK for the usable range of air flow rate.				
5.Auxiliary devices which may be a potential ignition source shall not be installed in the duct work.				
Examples of such potential ignition sources are hot surfaces with a temperature exceeding 700°C [1292°F] and electric switching devices.				
			*Above specification data is subject to rounding variation.	

1. SPECIFICATIONS

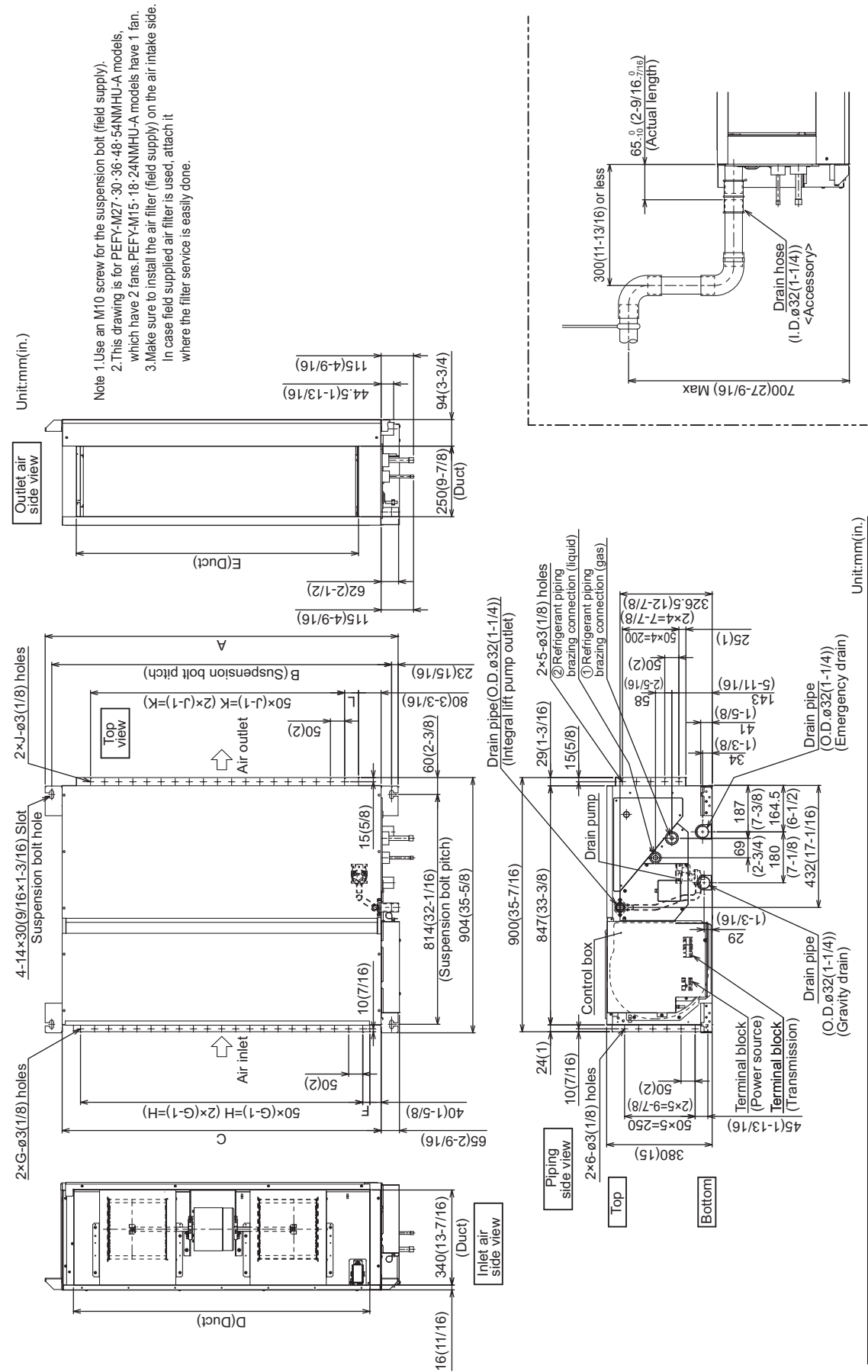
Ceiling concealed (High static pressure type)

PEFY-M-NMHU-A

SPECIFICATIONS OF Air Conditioner			(Ceiling-concealed TYPE)	
MODEL			PEFY-M96NMHU-A	
Power source			1-phase 208/230V 60Hz	
Cooling capacity	*1	BTU/h	96,000	
	*1	kW	28.1	
	*2	Power input	kW	1.000/1.000
	*2	Current input	A	5.41/4.89
Heating capacity	*3	BTU/h	108,000	
	*3	kW	31.7	
	*2	Power input	kW	0.990/0.990
	*2	Current input	A	5.05/4.57
	External finish		Galvanized steel plate	
External dimension HxWxD		inch	18-9/16 x 49-1/4 x 44-1/8	
		mm	470 x 1250 x 1120	
Net weight		lbs (kg)	218 (99)	
Heat exchanger			Cross fin (Aluminum fin and copper tube)	
FAN	Type x Quantity		Sirocco fan x 2	
	*4	External static press.	in.WG	<0.40> - 0.60 - <0.80> - <1.00>
			Pa	<100> - 150 - <200> - <250>
	Motor Type		DC Motor	
	Motor output		kW	1.122
	Driving mechanism		Direct-driven by motor	
	Air flow rate		(Low-Middle-High)	
			cfm	2048 - 2507 - 2966
			m3/min	58.0 - 71.0 - 84.0
			L/s	967 - 1183 - 1400
Sound pressure level (measured in anechoic room)		*2	dB (A)	(Low-Middle-High) 40.5 - 45 - 48.5
Insulation material			EPS, Polyethylene foam, Urethane foam	
Air filter			Option:Synthetic fiber unwoven cloth filter(long life filter) and filter box are recommended.	
Protection device			Fuse	
Refrigerant control device			LEV	
Connectable outdoor unit			R32/R454B CITY MULTI	
Diameter of refrigerant pipe	Liquid	inch (mm)	3/8 (9.52)Brazed	
	Gas	inch (mm)	7/8 (22.2)Brazed	
Field drain pipe size		inch (mm)	O.D. 1-1/4 (32)	
Drawing	External		KB94CADN	
	Wiring		KB94CATG	
	Refrigerant cycle		-	
Standard attachment	Document		Installation Manual, Instruction Book	
	Accessory		Insulation pipe for refrigerant pipe, Drain hose, Tie band, Washer, Breaker label	
Optional parts	External heater adapter		PAC-YU25HT	
	Long-life filter		PAC-KE85LAF	
	Filter box		PAC-KE250TB-F	
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 ° FD.B./67 ° FW.B. (26.7 ° CD.B./19.4 ° CW.B.), Outdoor: 95 ° FD.B. (35 ° CD.B.) Pipe length: 25 ft. (7.6 m), Level difference: 0 ft. (0 m)				BTU/h =kW x 3,412
2.The values are measured at the factory setting of external static pressure.				cfm =m3/min x 35.31
3.Nominal heating conditions Indoor: 70 ° FD.B. (21.1 ° CD.B.), Outdoor: 47 ° FD.B./43 ° FW.B. (8.3 ° CD.B./6.1 ° CW.B.) Pipe length: 25 ft. (7.6 m), Level difference: 0 ft. (0 m)				lbs =kg/0.4536
4.The factory setting of external static pressure is shown without < > . Refer to "Fan characteristics curves", according to the external static pressure, in DATA BOOK for the usable range of air flow rate.				
5.Auxiliary devices which may be a potential ignition source shall not be installed in the duct work. Examples of such potential ignition sources are hot surfaces with a temperature exceeding 700°C [1292°F] and electric switching devices.				
				*Above specification data is subject to rounding variation.

PEFY-M15, 18, 24, 27, 30, 36, 48, 54NMHU-A

Unit: mm (in.)



Model	Unit:mm(in.)												
	A	B	C	D	E	F	G	H	J	K	L	① Gas pipe	② Liquid pipe
PEFY-M15-18NMHU-A	800 (31-1/2)	754 (29-11/16)	680 (26-13/16)	600 (23-5/8)	550 (21-11/16)	50 (2)	11 (19-11/16)	500 (19-11/16)	10 (3/8)	450 (17-3/4)	50 (2)	$\phi 12.7$ (1/2)	$\phi 6.35$ (1/4)
PEFY-M24NMHU-A	1085 (42-3/4)	1039 (40-15/16)	965 (38)	885 (34-7/8)	835 (32-7/8)	425 (1-11/16)	17 (1-11/16)	800 (31-1/2)	15 (3/8)	700 (27-9/16)	67 (2-11/16)	$\phi 15.88$ (5/8)	$\phi 9.52$ (3/8)
PEFY-M27-30NMHU-A	1250 (49-1/4)	1204 (47-7/16)	1130 (44-1/2)	1050 (41-3/8)	1000 (39-3/8)	25 (1)	21 (39-3/8)	1000 (39-3/8)	19 (35-7/16)	900 (35-7/16)	50 (2)		

PEFY-M15, 18, 24, 27, 30, 36, 48, 54NMHU-A

Unit: mm (in.)

[Maintenance access space]

Secure enough access space to allow for the maintenance, inspection, and replacement of the motor, fan, heat exchanger, drain pan, drain pump and control box in one of the following ways.
Select an installation site for the indoor unit so that its maintenance access space will not be obstructed by beam or other objects.

Create access door 1 (450×450mm)(17-3/4×17-3/4inch) for the maintenance from the unit side when the motor, fan, thermistor, LEV, drain pump and control box is exchanged. (Fig.2,4)

(1) When a space of 300mm(11-13/16inch) or more is available below the unit between the unit and the ceiling.
Create access door 2 (600×600mm)(23-5/8×23-5/8inch) for the maintenance from the bottom when the heat exchanger and drain pan is cleaned(exchanged). (Fig.2)

(2) When a space of less than 300mm(11-13/16inch) is available below the unit between the unit and the ceiling.

(At least 20mm(13/16inch) of space should be left below the unit as shown in Fig.3.)

Create access door 3 for the maintenance from the bottom when the motor, fan, the heat exchanger and drain pan is cleaned(exchanged). (Fig.4)

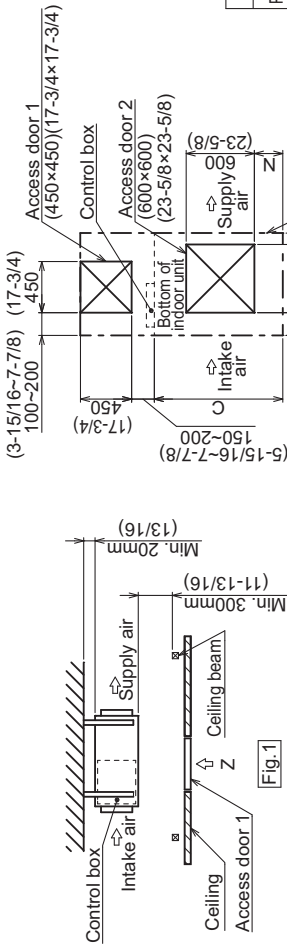


Fig.1

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

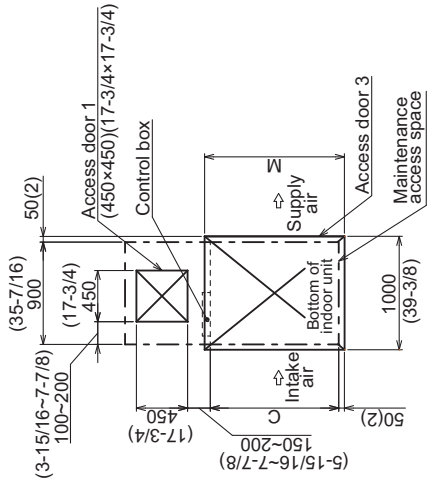


Fig.4 (Viewed from the direction of the arrow Y)

Unit:mm(in.)

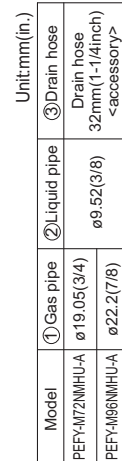
Model	C	M	N
PEFY-M15-18-24NMHU-A	680 (26-13/16)	780 (30-3/4)	0-50 (0-2)
PEFY-M27-30NMHU-A	965 (38)	1065 (41-15/16)	100-150 (3-15/16-5-15/16)
PEFY-M36-48-54NMHU-A	1130 (44-1/2)	1230 (48-7/16)	200-250 (7-7/8-9-7/8)

PEFY-M-NMHU-A

PEFY-M72, 96NMHU-A

1. Use an M10 screw for the suspension bolt (field supply).
2. Make sure to install the air filter (field supply) on the air intake side.

In case field supplied air filter is used, attach it where the filter service is easily done.



PEFY-M72, 96NMHU-A

Unit: mm (in.)

[Maintenance access space]

Secure enough access space to allow for the maintenance, inspection, and replacement of the motor, fan, heat exchanger, drain pan and control box in one of the following ways.

Select an installation site for the indoor unit so that its maintenance access space will not be obstructed by beam or other objects.

Create access door 1 (450×450mm)(17-3/4×17-3/4inch) for the maintenance from the unit side when the thermistor, LEV and control box is exchanged. (Fig. 2, 4)

(1) When a space of 500mm(19-11/16inch) or more is available below the unit between the unit and the ceiling, Create access door 2 (600×600mm)(23-5/8×23-5/8inch) for the maintenance from the bottom when the motor, fan, heat exchanger and drain pan is cleaned(exchanged). (Fig. 2)

(2) When a space of less than 500mm(19-11/16inch) is available below the unit between the unit and the ceiling, (At least 20mm(13/16inch) of space should be left below the unit as shown in Fig. 3.)

Create access door 3 for the maintenance from the bottom when the motor, fan, heat exchanger and drain pan is cleaned(exchanged). (Fig. 4)

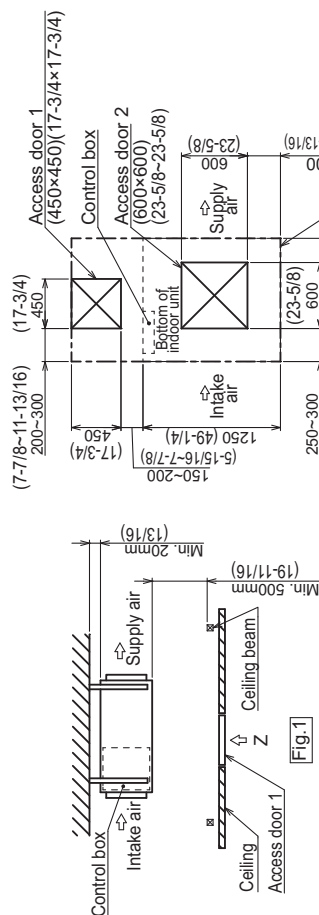


Fig. 2 (Viewed from the direction of the arrow Z)

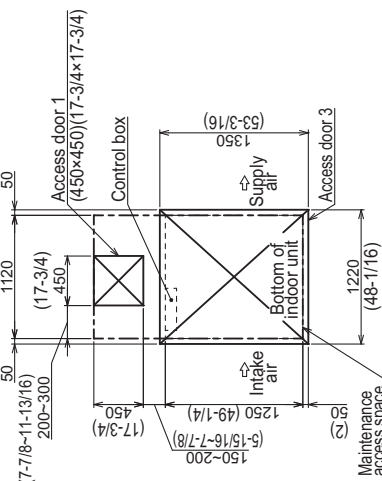
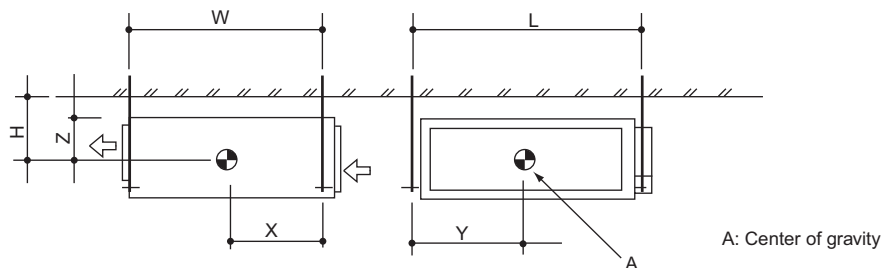


Fig. 4 (Viewed from the direction of the arrow Y)

Unit: mm (in.)

PEFY-M15, 18, 24, 27, 30, 36, 48, 54, 72, 96NMHU-A

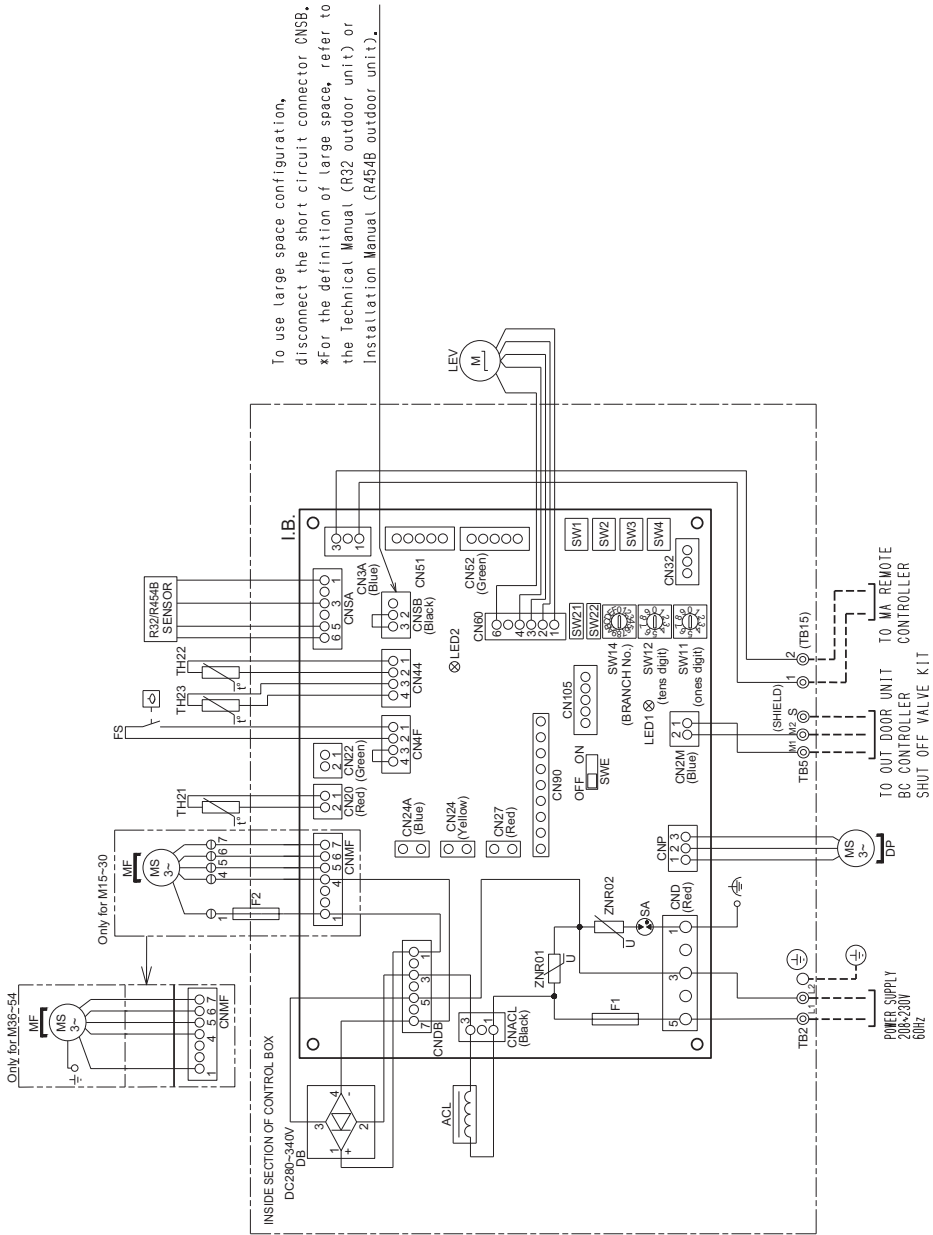


(mm)[in]

Model name	W	L	H	X	Y	Z
PEFY-M15NMHU-A	814 [32-1/16]	754 [29-11/16]	210 [8-5/16]	400 [15-3/4]	450 [17-11/16]	190 [7-1/2]
PEFY-M18NMHU-A	814 [32-1/16]	754 [29-11/16]	210 [8-5/16]	400 [15-3/4]	450 [17-11/16]	190 [7-1/2]
PEFY-M24NMHU-A	814 [32-1/16]	754 [29-11/16]	210 [8-5/16]	400 [15-3/4]	450 [17-11/16]	190 [7-1/2]
PEFY-M27NMHU-A	814 [32-1/16]	1039 [40-15/16]	210 [8-5/16]	400 [15-3/4]	535 [21-1/16]	190 [7-1/2]
PEFY-M30NMHU-A	814 [32-1/16]	1039 [40-15/16]	210 [8-5/16]	400 [15-3/4]	535 [21-1/16]	190 [7-1/2]
PEFY-M36NMHU-A	814 [32-1/16]	1204 [47-7/16]	210 [8-5/16]	380 [14-15/16]	650 [25-19/32]	190 [7-1/2]
PEFY-M48NMHU-A	814 [32-1/16]	1204 [47-7/16]	210 [8-5/16]	380 [14-15/16]	650 [25-19/32]	190 [7-1/2]
PEFY-M54NMHU-A	814 [32-1/16]	1204 [47-7/16]	210 [8-5/16]	395 [15-9/16]	635 [25]	190 [7-1/2]
PEFY-M72NMHU-A	1034 [40-3/4]	1326 [52-1/4]	260 [10-1/4]	504 [19-5/6]	627 [24-2/3]	240 [9-4/9]
PEFY-M96NMHU-A	1034 [40-3/4]	1326 [52-1/4]	260 [10-1/4]	504 [19-5/6]	627 [24-2/3]	240 [9-4/9]

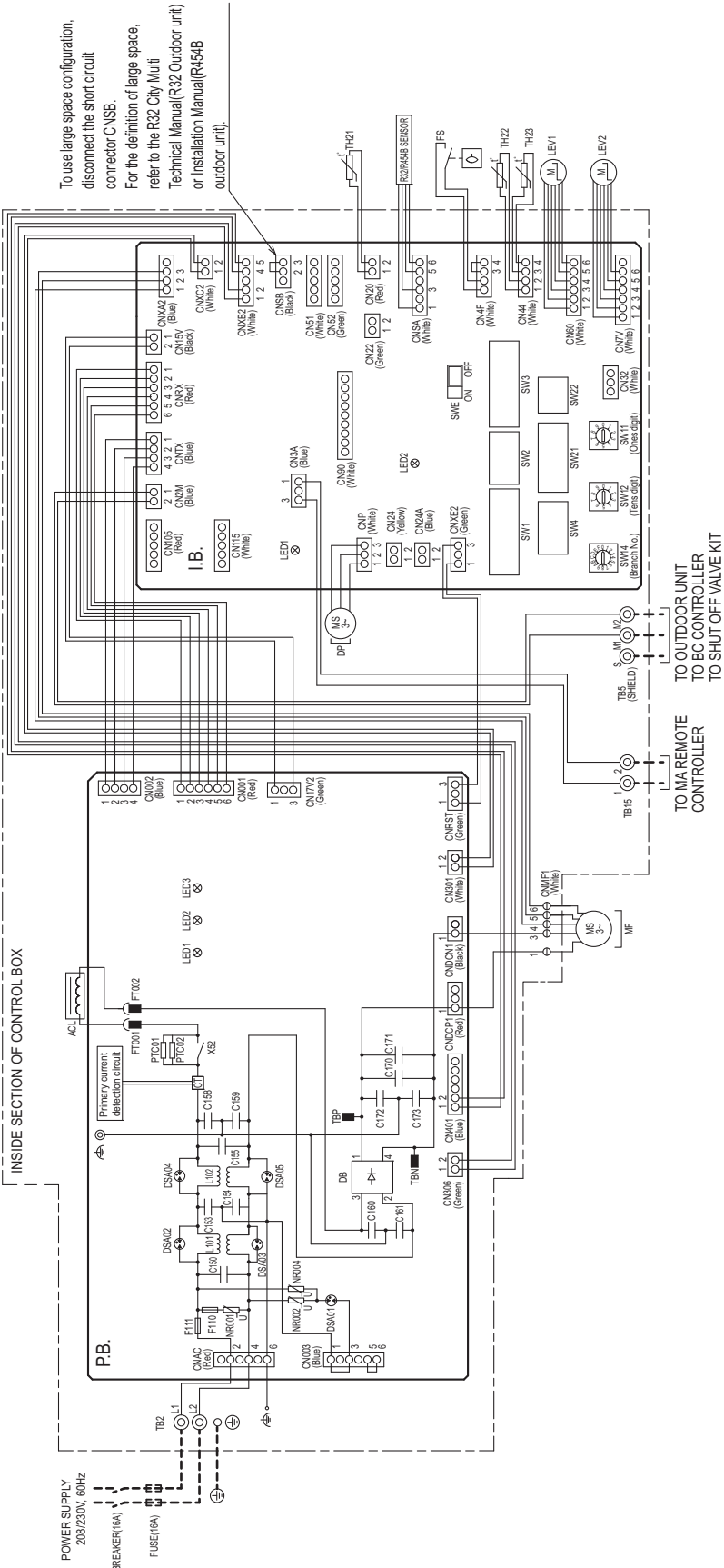
PEFY-M15, 18, 24, 27, 30, 36, 48, 54NMHU-A

SYMBOL	EXPLANATION	NAME
I	Indoor controller board	Indoor controller board
CNACL	Connector (Reactor)	Reactor
CND	Connector (Power supply)	Power supply
CNDB	Connector (Diode bridge)	Diode bridge
CNMF	Connector (Fan motor)	Fan motor
CNP	Connector (Drain pump)	Drain pump
CN20	Connector (inlet air temp. detection)	Inlet air temp. detection
CN24	Connector (Heater control 1st)	Heater control 1st
CN24A	Connector (Heater control 2nd)	Heater control 2nd
CN27	Connector (Damp)	Damp
CN32	Connector (Remote switch)	Remote switch
CN44	Connector (piping)	Piping
CN4F	Connector (fluid/gas)	Fluid/gas
CN51	Connector (Centrally control)	Centrally control
CN52	Connector (Remote indication)	Remote indication
CN60	Connector (Electronic linear expansion valve)	Electronic linear expansion valve
CN90	Connector (Wireless)	Wireless
CN105	Connector	Connector
F1	Fuse AC/250V 6.3A	Fuse AC/250V 6.3A
F2	Fuse DC/400V 3A SHV11	Fuse DC/400V 3A SHV11
SA	Arrester	Arrester
SW1	Switch (for mode selection)	Switch (for mode selection)
SW2	Switch (for capacity code)	Switch (for capacity code)
SW3	Switch (for mode selection)	Switch (for mode selection)
SW4	Switch (for capacity code)	Switch (for capacity code)
SW11	Switch (one's digit address set)	Switch (one's digit address set)
SW12	Switch (tens digit address set)	Switch (tens digit address set)
SW14	Switch (BRANCH No. set)	Switch (BRANCH No. set)
SW21	Switch (for static pressure selection)	Switch (for static pressure selection)
SW22	Switch (Wireless pair No.)	Switch (Wireless pair No.)
SWE	Connector (emergency operation)	Connector (emergency operation)
ZNR01	Variable	Variable
ZNR02	Variable	Variable
ACL	AC reactor (Power factor improvement)	AC reactor (Power factor improvement)
DB	Diode Bridge	Diode Bridge
DP	Drain Pump	Drain Pump
LEV	Heat switch	Heat switch
LEV	Electronic linear expansion valve	Electronic linear expansion valve
MF	Fan Motor	Fan Motor
SENSOR	Sensor	Sensor
TB2	Power source terminal block	Power source terminal block
TB5	Transmission terminal block	Transmission terminal block
TH21	Thermistor (inlet air temp. detection)	Thermistor (inlet air temp. detection)
TH22	Thermistor (piping temp. detection/liquid)	Thermistor (piping temp. detection/liquid)
TH23	Thermistor (piping temp. detection/gas)	Thermistor (piping temp. detection/gas)



NOTE: 1. Symbols used in wiring diagram are,
○ Terminal, ----- (Heavy dotted line) Field wiring
2. Use copper supply wires.
Utilisez des fils d'alimentation en cuivre.
3. A disconnect should be required by local code.
Se procurer un sectionneur conforme aux réglementations locales.

PEFY-M72, 96NMHU-A



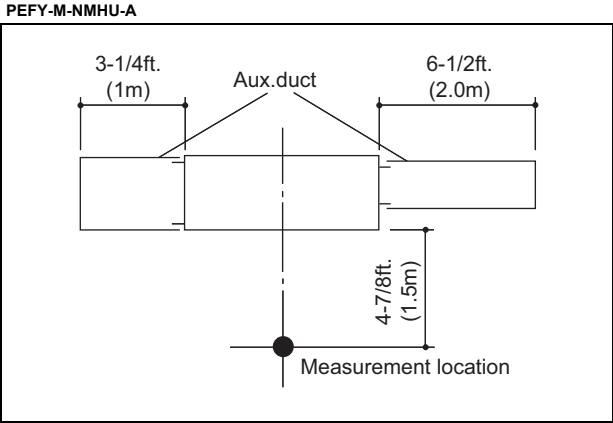
To use large space configuration, disconnect the short circuit connector CNSB.
For the definition of large space, refer to the R32 City Multi Technical Manual(R32 Outdoor unit) or Installation Manual(R454B outdoor unit).

SYMBOL EXPLANATION

SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
ACL	AC reactor(Power factor improvement)	P.B.	Power supply board	I.B.	Indoor controller board	I.B.	Indoor controller board
DP	Drain Pump	DS401~05	Arrester	SW1	Switch (for mode selection)	CN51	Connector (Centrally control)
FS	Float switch	NR001,002,004	Varistor	SW2	Switch (for capacity code)	CN52	Connector (Remote indication)
MF	Fan Motor	DB	Diode Bridge	SW3	Switch (for mode selection)	CN90	Connector (Wireless remote controller)
LEV1,2	Electrical linear expansion valve	F110	Fuse AC250V 6.3A	SW4	Switch (for model selection)	CN90	Connector (Wireless remote controller)
TB2	Power source terminal block	F111	Fuse AC250V 8A	SW11	Switch (Ones digit address set)	CN105	Connector (IT terminal)
TB5	Transmission terminal block	LED1	LED (Power supply)	SW12	Switch (Tens digit address set)	CN115	Connector (IT terminal)
TB15	Transmission terminal block	LED2	LED (PAM operation status)	SW14	Switch (BRANCH No.)	LED1	LED (M-NET power reception status)
TH21	Thermistor (inlet air temp.detection)	LED3	LED (PAM operation error)	SW21	Switch (for static pressure selection)	LED2	LED (Remote controller supply)
TH22	Thermistor (piping temp.detection/liquid)			SW22	Switch (for wireless pair No.)		
TH23	Thermistor (piping temp.detection/gas)			SWE	Connector (Emergency operation)		
SENSOR	Sensor(R32/R454B)			CN22	Connector (Fan control)		
				CN24	Connector (Heater control 1st)		
				CN24A	Connector (Heater control 2nd)		
				CN32	Connector (Remote switch)		

NOTE:1.Symbols used in wiring diagram are,
● Connector , ● Terminal,
--- (Heavy dotted line):Field wiring
2.Use copper supply wires.
Utilisez des fils d'alimentation en cuivre.
3.A disconnect should be required by local code.
Se procurer un sectionneur conforme aux réglementations locales.

5-1. Sound levels



* Measured in anechoic room

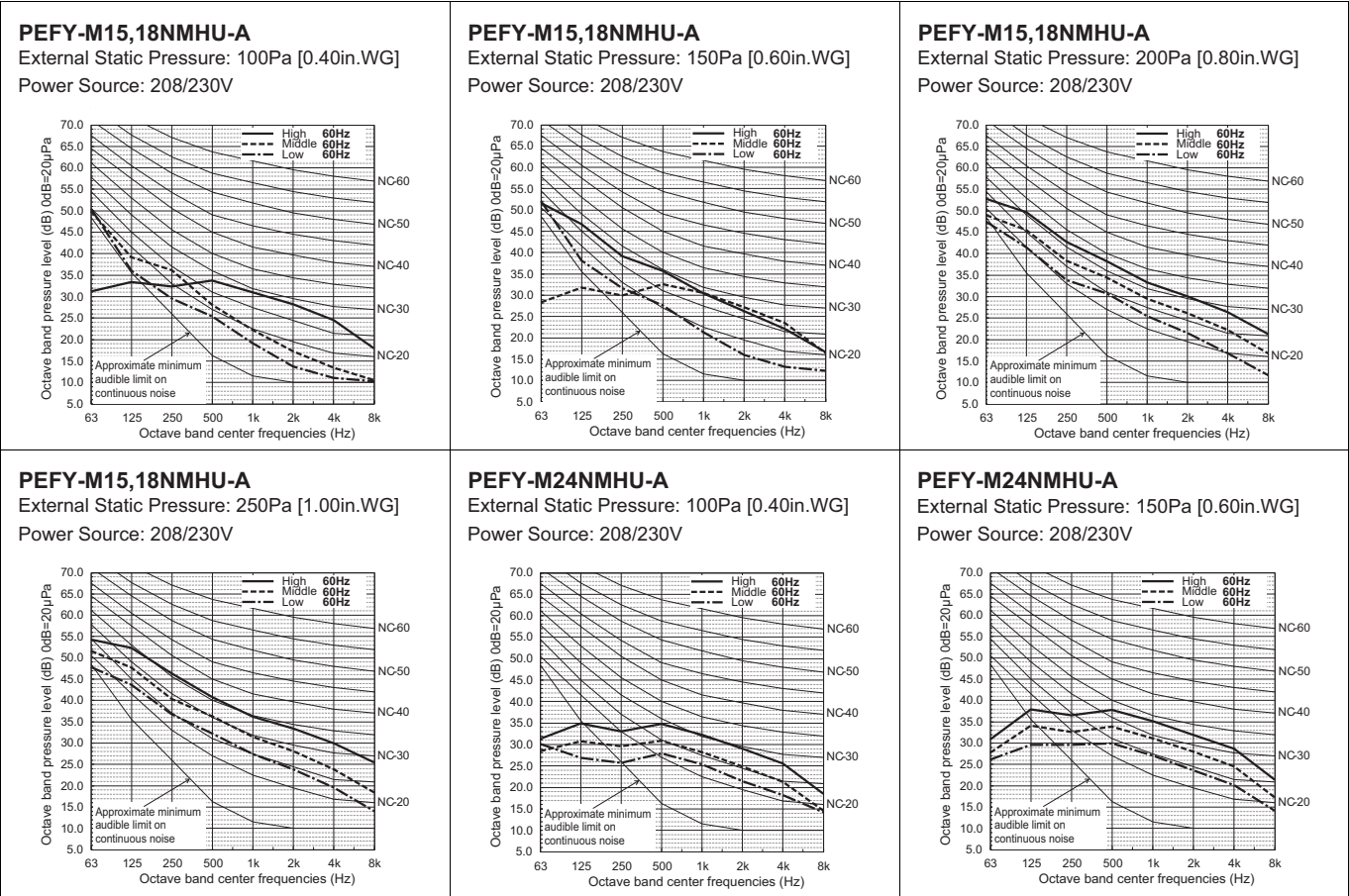
Operating sound levels

(Low - Middle - High)

Unit : dB (A)

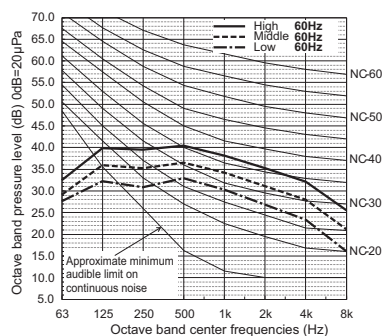
Model	Sound pressure level (A weighted)
PEFY-M15, 18NMHU-A	31 - 35 - 38
PEFY-M24NMHU-A	32 - 36 - 40
PEFY-M27NMHU-A	29 - 33 - 38
PEFY-M30NMHU-A	31 - 35 - 40
PEFY-M36, 48NMHU-A	34 - 40 - 44
PEFY-M54NMHU-A	35 - 40 - 45
PEFY-M72NMHU-A	40.5 - 43 - 47
PEFY-M96NMHU-A	40.5 - 45 - 48.5

5-2. NC curves

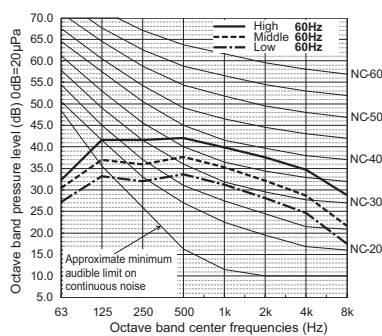


PEFY-M24NMHU-A

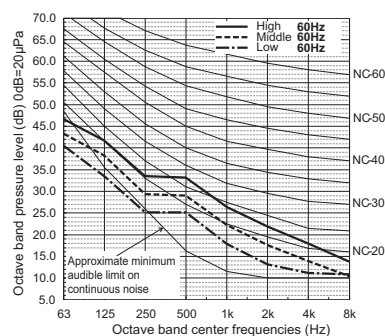
External Static Pressure: 200Pa [0.80in.WG]
Power Source: 208/230V

**PEFY-M24NMHU-A**

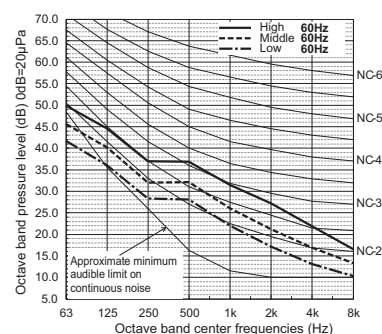
External Static Pressure: 250Pa [1.00in.WG]
Power Source: 208/230V

**PEFY-M27NMHU-A**

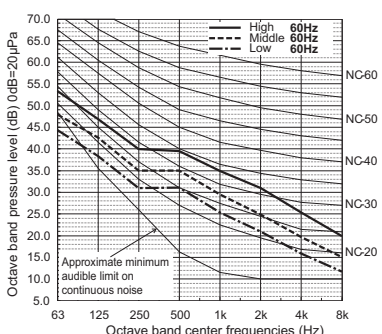
External Static Pressure: 100Pa [0.40in.WG]
Power Source: 208/230V

**PEFY-M27NMHU-A**

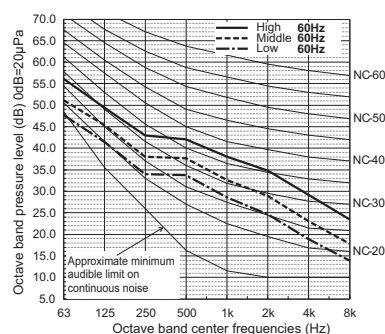
External Static Pressure: 150Pa [0.60in.WG]
Power Source: 208/230V

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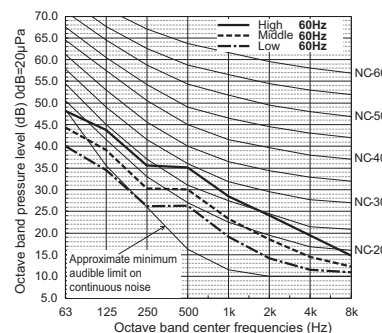
External Static Pressure: 200Pa [0.80in.WG]
Power Source: 208/230V

**PEFY-M27NMHU-A**

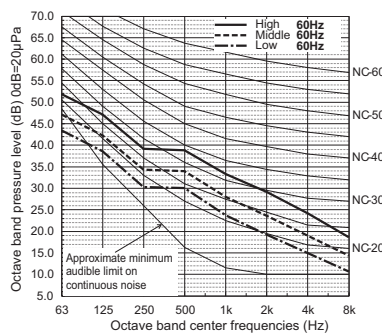
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Power Source: 208/230V

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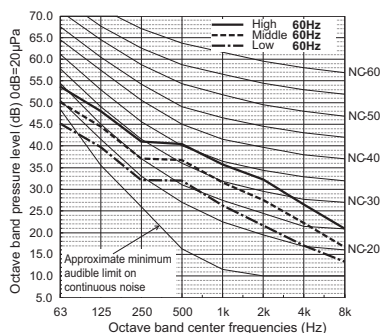
External Static Pressure: 100Pa [0.40in.WG]
Power Source: 208/230V

**PEFY-M30NMHU-A**

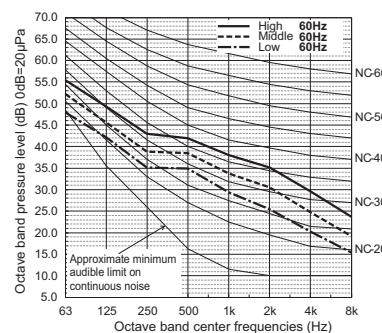
External Static Pressure: 150Pa [0.60in.WG]
Power Source: 208/230V

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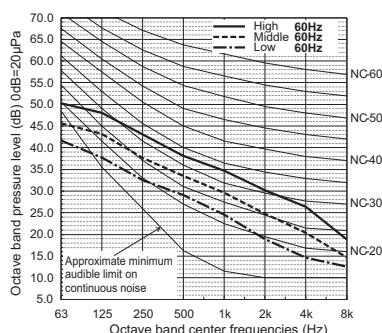
External Static Pressure: 200Pa [0.80in.WG]
Power Source: 208/230V

**PEFY-M30NMHU-A**

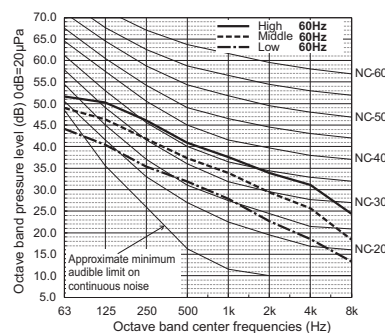
External Static Pressure: 250Pa [1.00in.WG]
Power Source: 208/230V

**PEFY-M36,48NMHU-A**

External Static Pressure: 100Pa [0.40in.WG]
Power Source: 208/230V

**PEFY-M36,48NMHU-A**

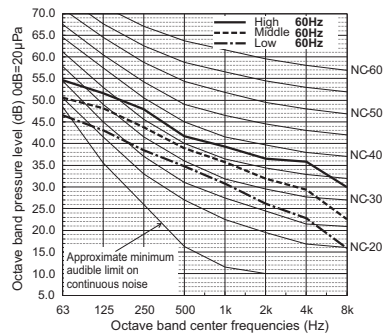
External Static Pressure: 150Pa [0.60in.WG]
Power Source: 208/230V



PEFY-M36,48NMHU-A

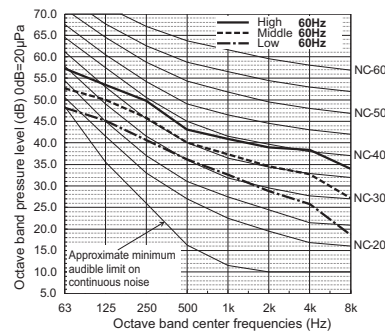
External Static Pressure: 200Pa [0.80in.WG]

Power Source: 208/230V

**PEFY-M36,48NMHU-A**

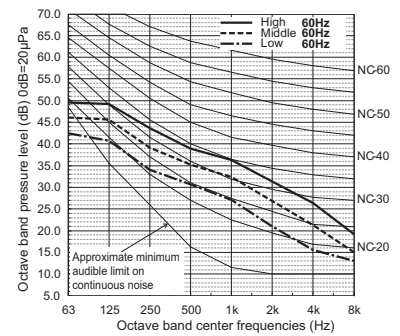
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Power Source: 208/230V

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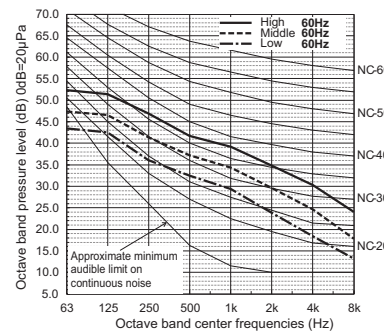
External Static Pressure: 100Pa [0.40in.WG]

Power Source: 208/230V

**PEFY-M54NMHU-A**

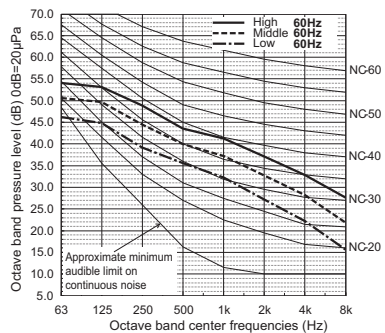
External Static Pressure: 150Pa [0.60in.WG]

Power Source: 208/230V

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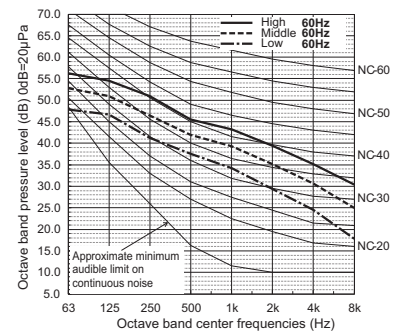
External Static Pressure: 200Pa [0.80in.WG]

Power Source: 208/230V

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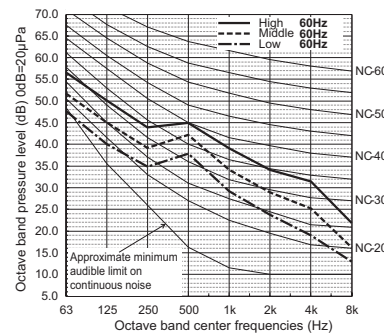
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Power Source: 208/230V

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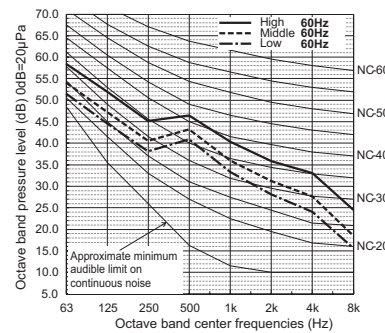
External Static Pressure: 100Pa [0.40in.WG]

Power Source: 208/230V

**PEFY-M72NMHU-A**

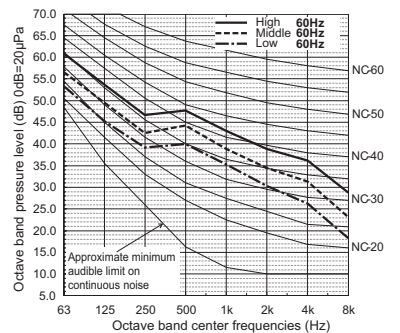
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Power Source: 208/230V

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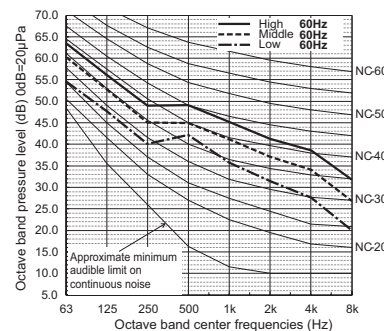
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Power Source: 208/230V

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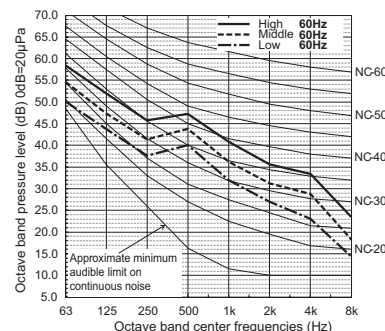
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Power Source: 208/230V

**PEFY-M96NMHU-A**

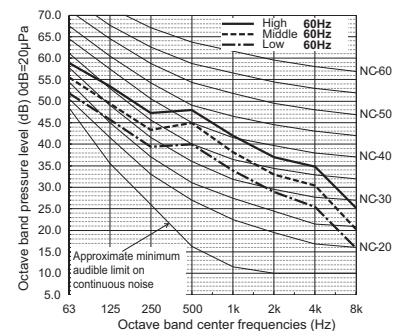
External Static Pressure: 100Pa [0.40in.WG]

Power Source: 208/230V

**PEFY-M96NMHU-A**

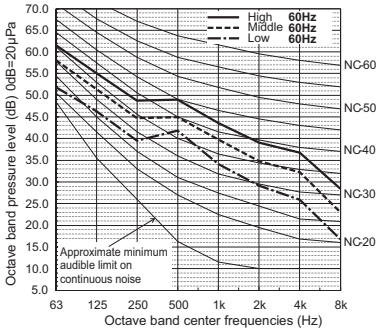
External Static Pressure: 150Pa [0.60in.WG]

Power Source: 208/230V

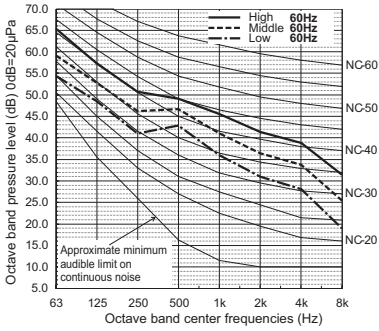


PEFY-M-NMHU-A

PEFY-M96NMHU-A
External Static Pressure: 200Pa [0.80in.WG]
Power Source: 208/230V



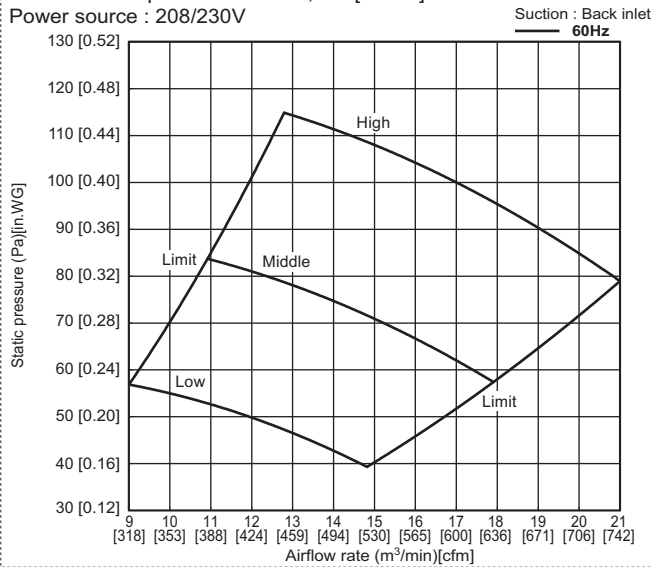
PEFY-M96NMHU-A
External Static Pressure: 250Pa [1.00in.WG]
Power Source: 208/230V



PEFY-M15, 18NMHU-A

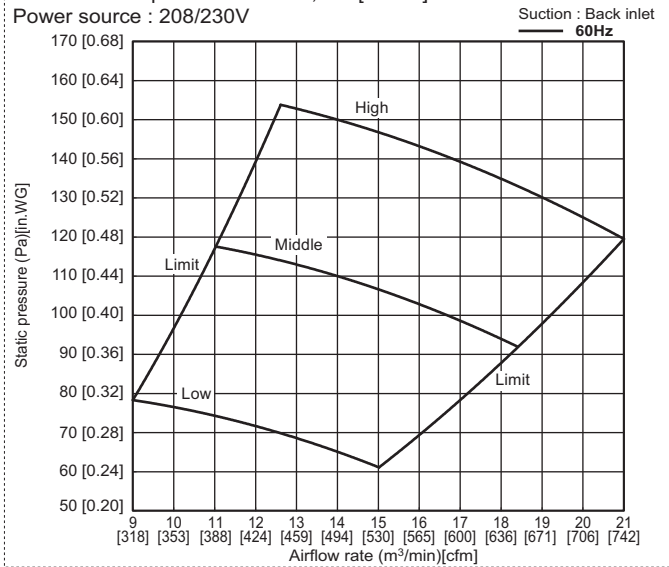
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Power source : 208/230V

**PEFY-M15, 18NMHU-A**

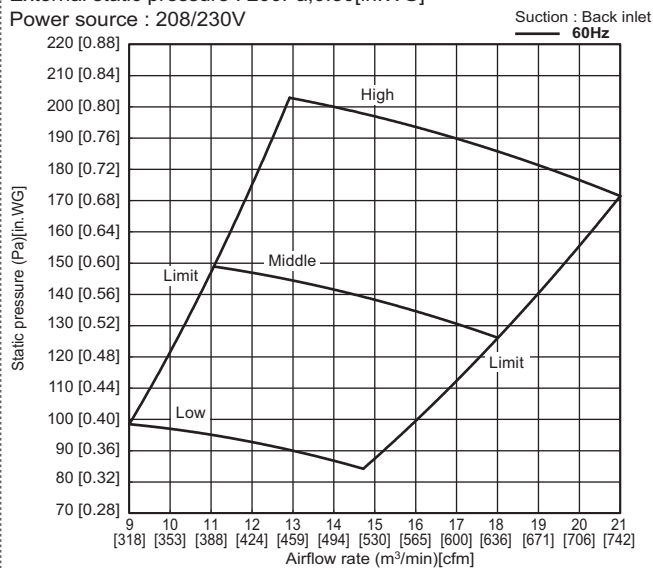
External static pressure : 150Pa,0.60[in.WG]

Power source : 208/230V

**PEFY-M15, 18NMHU-A**

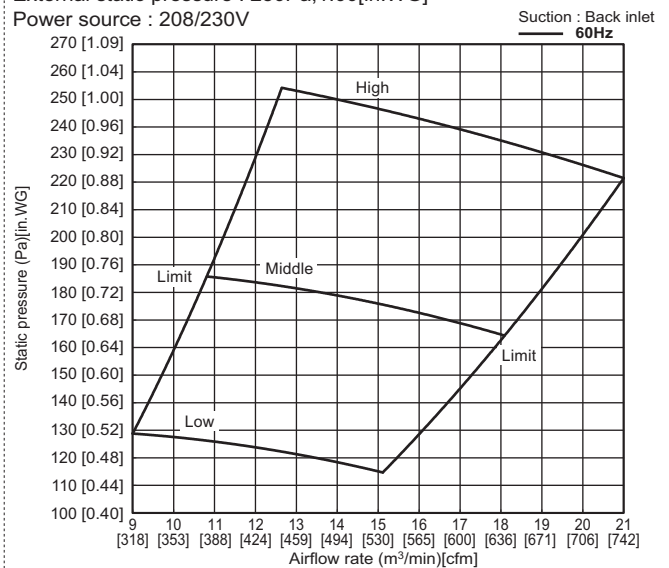
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Power source : 208/230V

**PEFY-M15, 18NMHU-A**

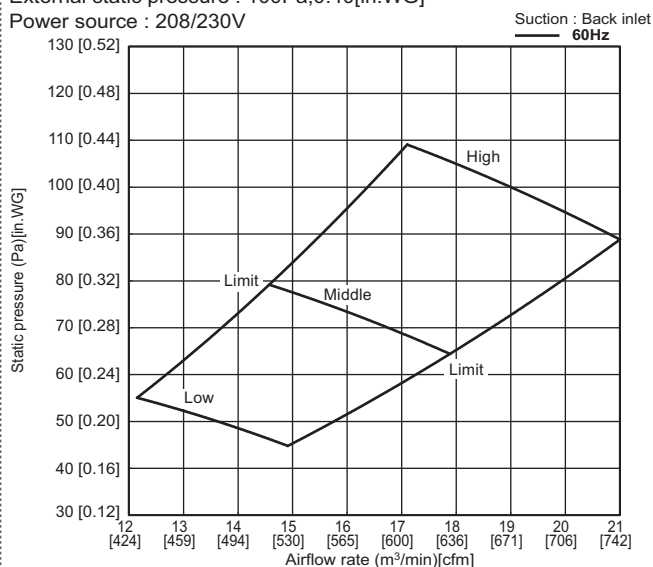
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Power source : 208/230V

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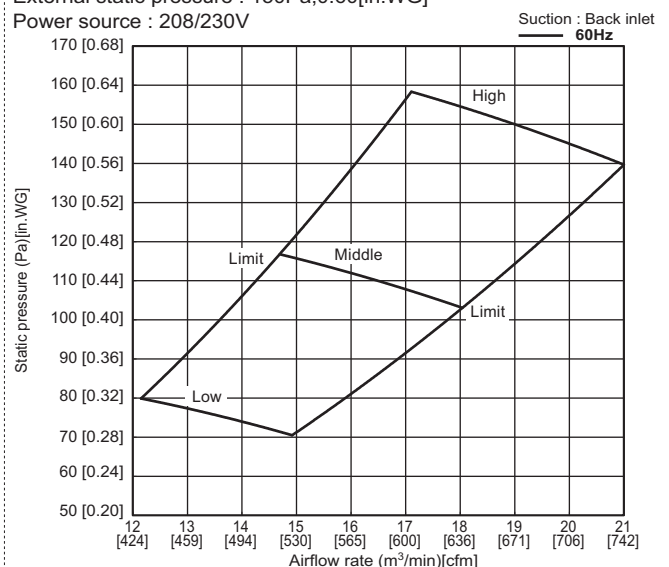
External static pressure : 100Pa,0.40[in.WG]

Power source : 208/230V

**PEFY-M24NMHU-A**

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

Power source : 208/230V

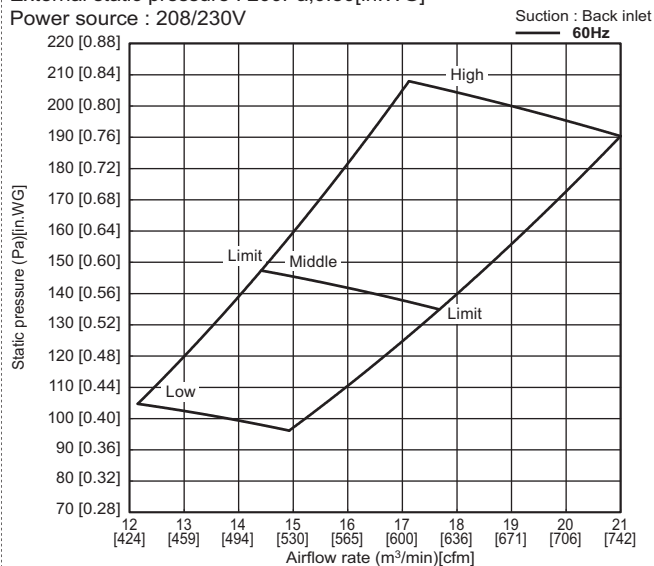


Note: Operate only within the operating range shown in the above fan characteristic curves.

PEFY-M24NMHU-A

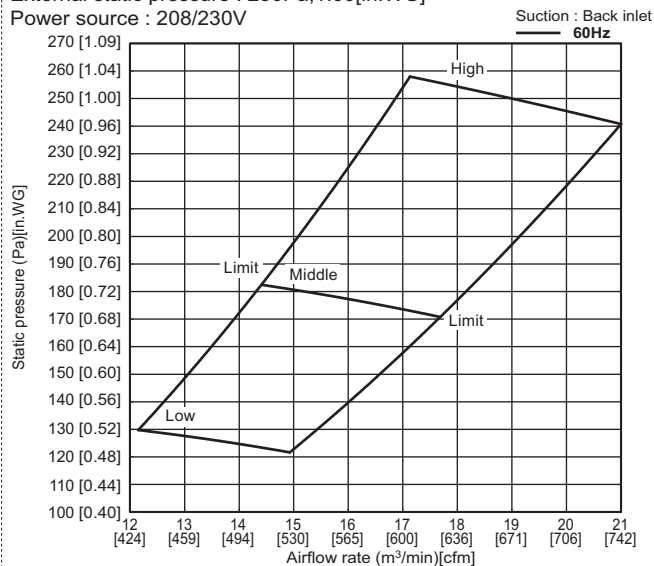
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Power source : 208/230V

**PEFY-M24NMHU-A**

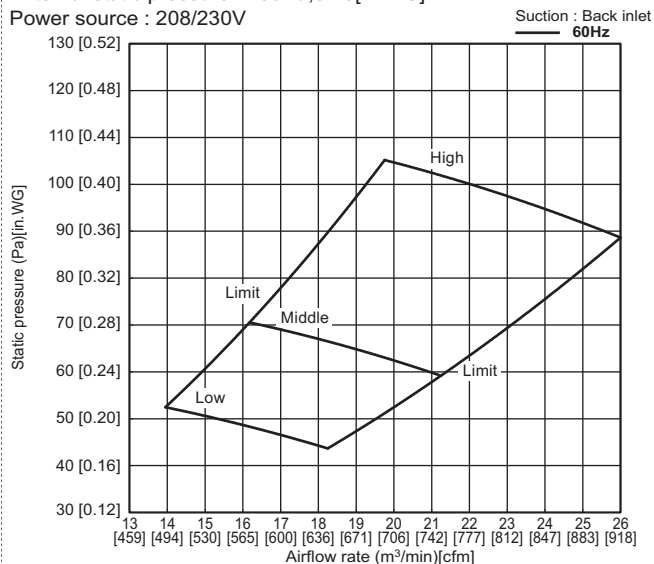
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Power source : 208/230V

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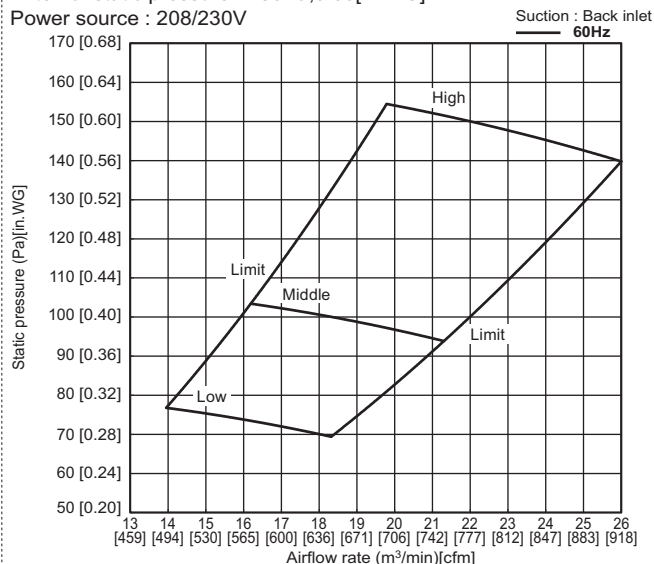
External static pressure : 100Pa,0.40[in.WG]

Power source : 208/230V

**PEFY-M27NMHU-A**

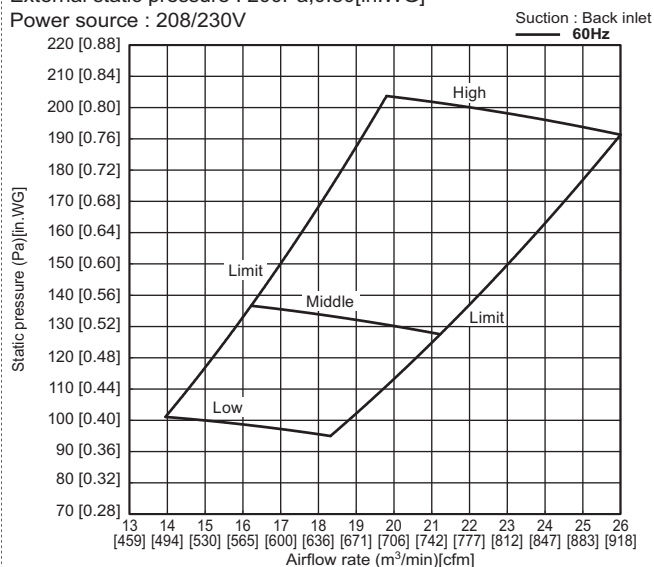
External static pressure : 150Pa,0.60[in.WG]

Power source : 208/230V

**PEFY-M27NMHU-A**

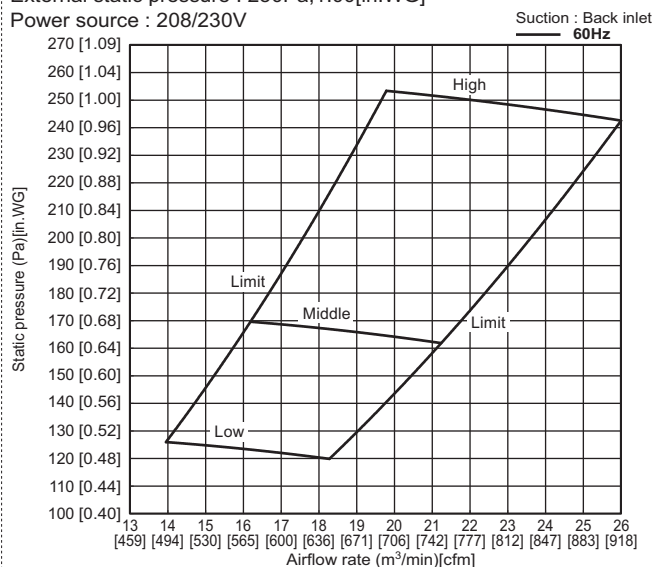
External static pressure : 200Pa,0.80[in.WG]

Power source : 208/230V

**PEFY-M27NMHU-A**

External static pressure : 250Pa,1.00[in.WG]

Power source : 208/230V

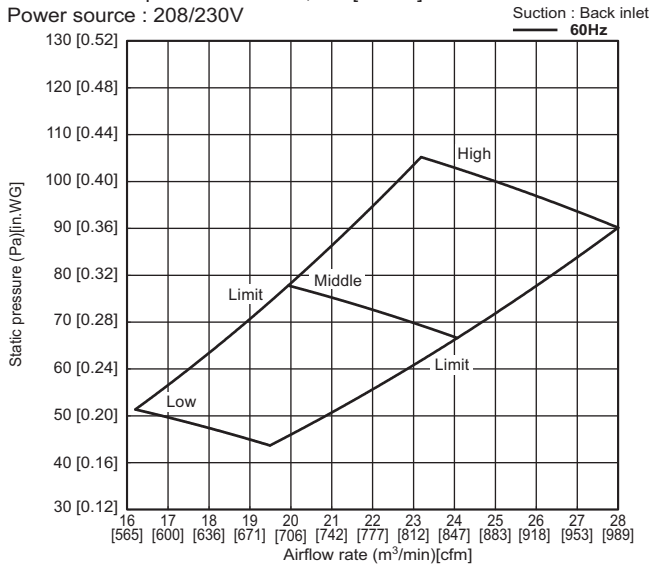


Note: Operate only within the operating range shown in the above fan characteristic curves.

PEFY-M30NMHU-A

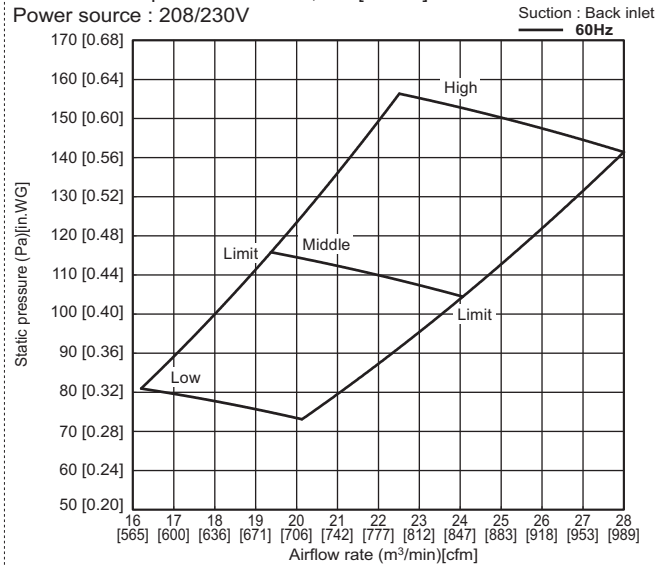
External static pressure : 100Pa,0.40[in.WG]

Power source : 208/230V

**PEFY-M30NMHU-A**

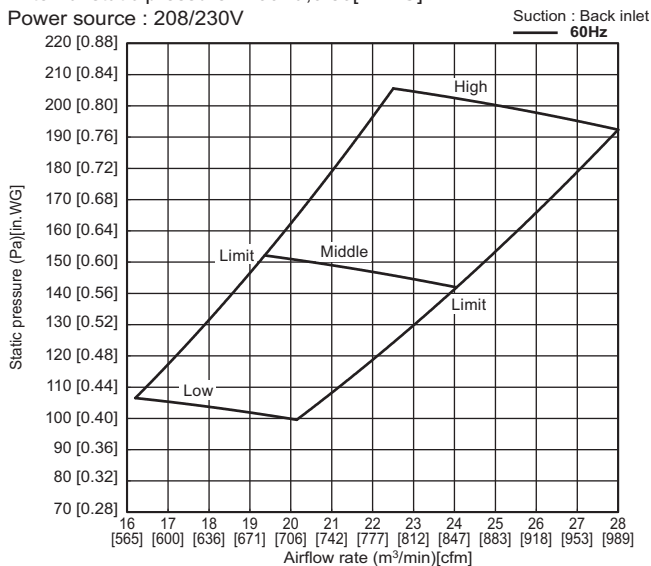
External static pressure : 150Pa,0.60[in.WG]

Power source : 208/230V

**PEFY-M30NMHU-A**

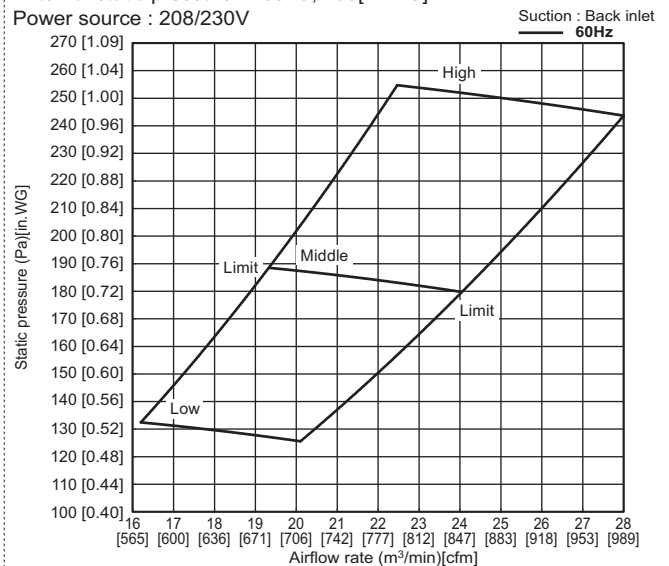
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Power source : 208/230V

**PEFY-M30NMHU-A**

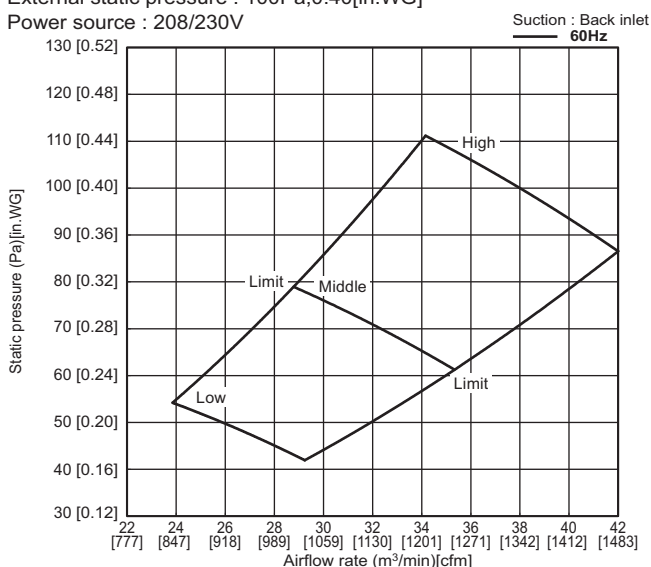
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Power source : 208/230V

**PEFY-M36, 48NMHU-A**

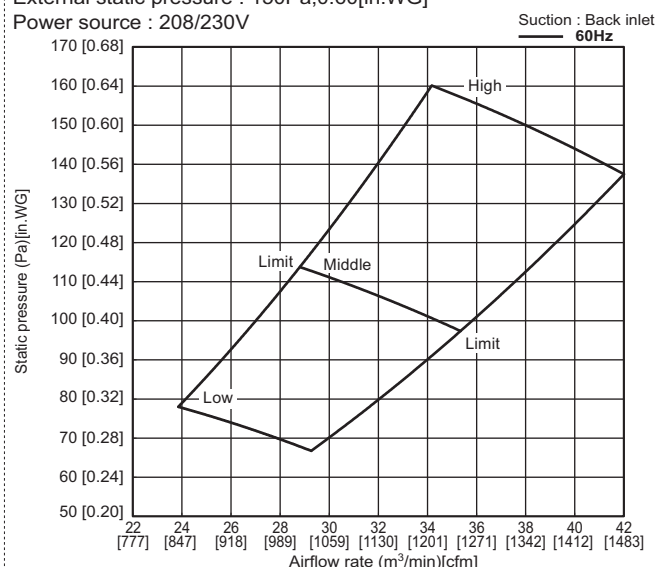
External static pressure : 100Pa,0.40[in.WG]

Power source : 208/230V

**PEFY-M36, 48NMHU-A**

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

Power source : 208/230V

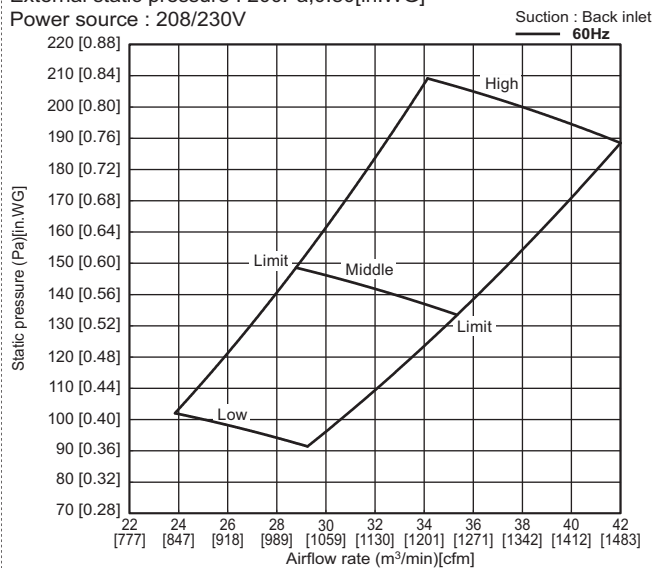


Note: Operate only within the operating range shown in the above fan characteristic curves.

PEFY-M36, 48NMHU-A

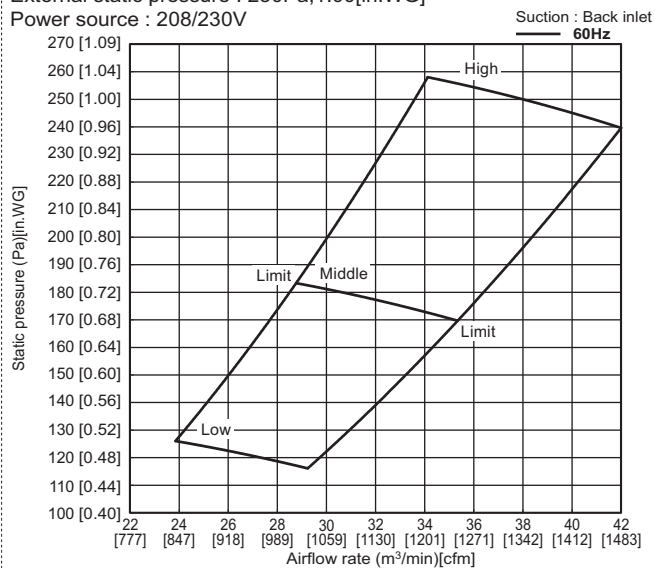
External static pressure : 200Pa,0.80[in.WG]

Power source : 208/230V

**PEFY-M36, 48NMHU-A**

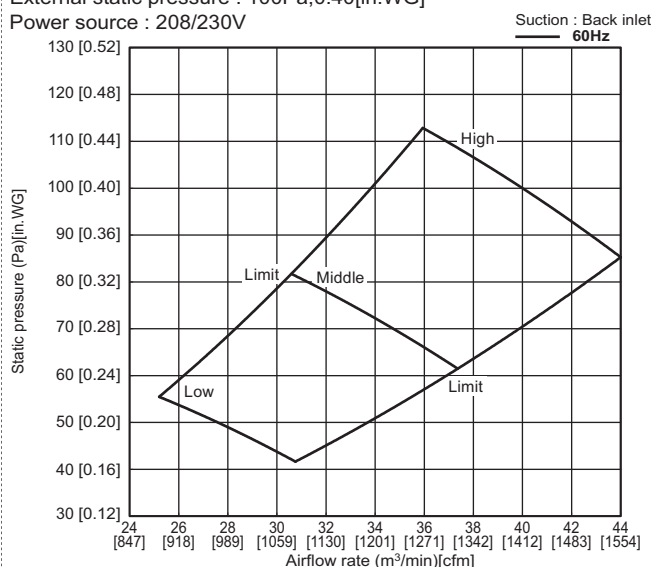
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Power source : 208/230V

**PEFY-M54NMHU-A**

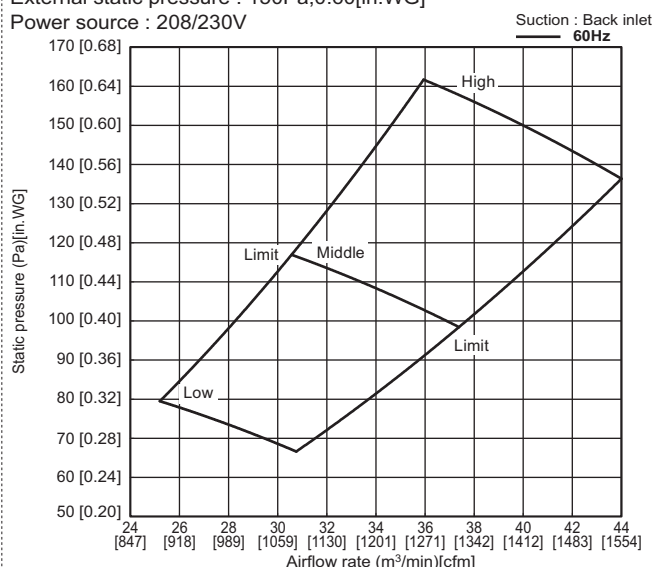
External static pressure : 100Pa,0.40[in.WG]

Power source : 208/230V

**PEFY-M54NMHU-A**

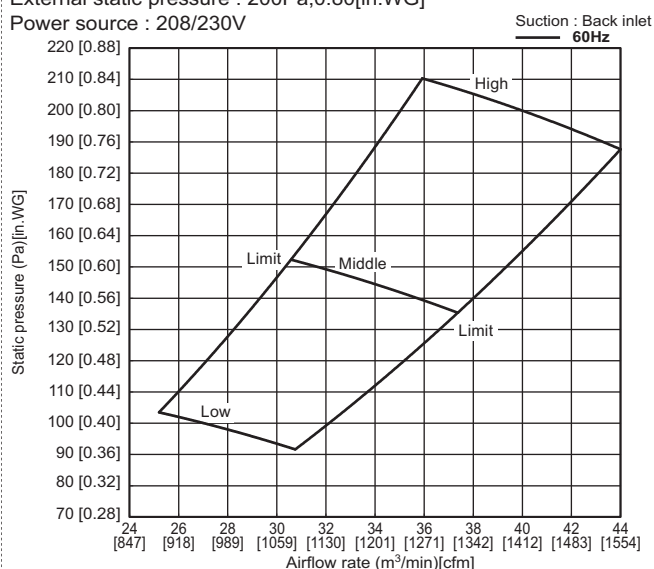
External static pressure : 150Pa,0.60[in.WG]

Power source : 208/230V

**PEFY-M54NMHU-A**

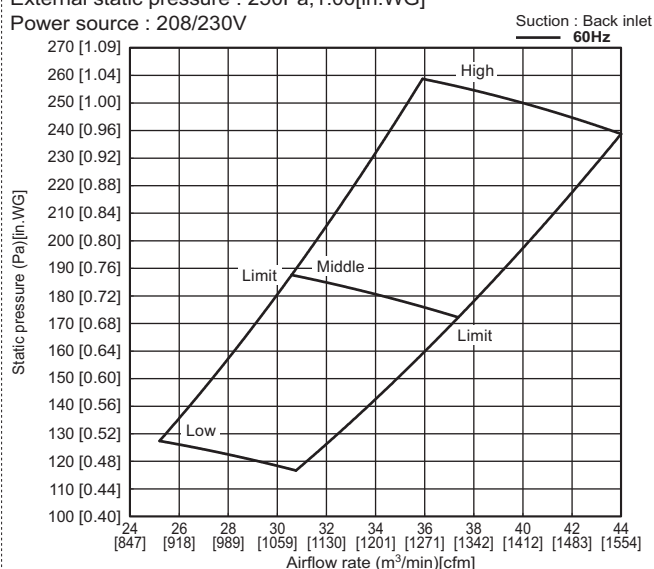
External static pressure : 200Pa,0.80[in.WG]

Power source : 208/230V

**PEFY-M54NMHU-A**

External static pressure : 250Pa,1.00[in.WG]

Power source : 208/230V

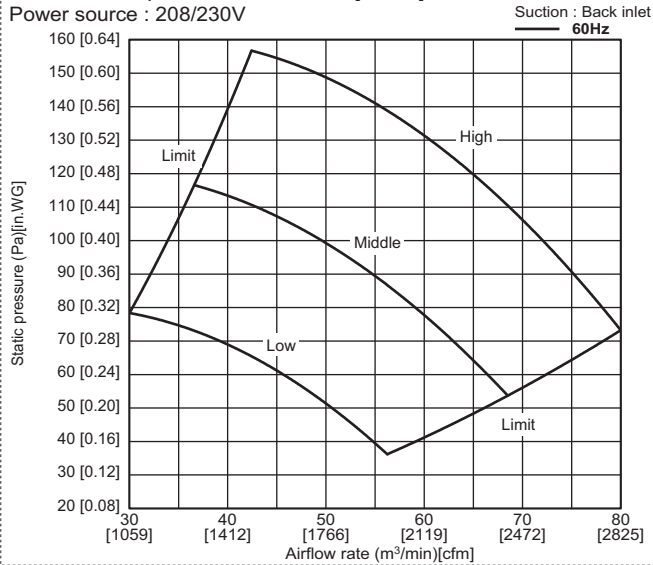


Note: Operate only within the operating range shown in the above fan characteristic curves.

PEFY-M72NMHU-A

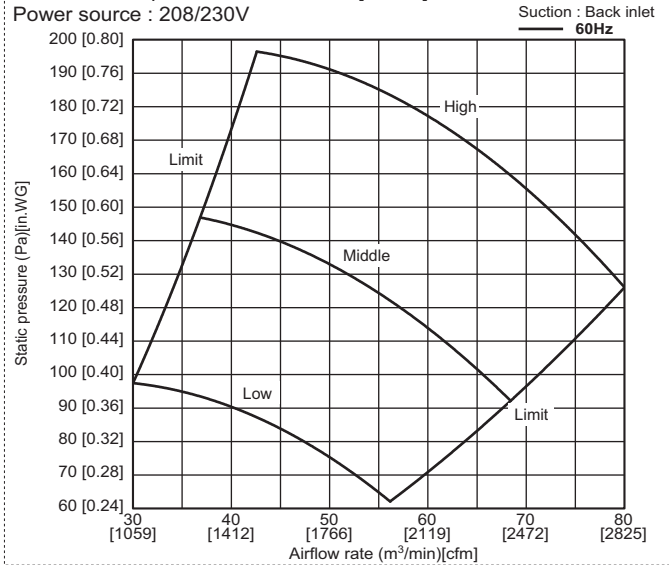
External static pressure : 100Pa,0.40[in.WG]

Power source : 208/230V

**PEFY-M72NMHU-A**

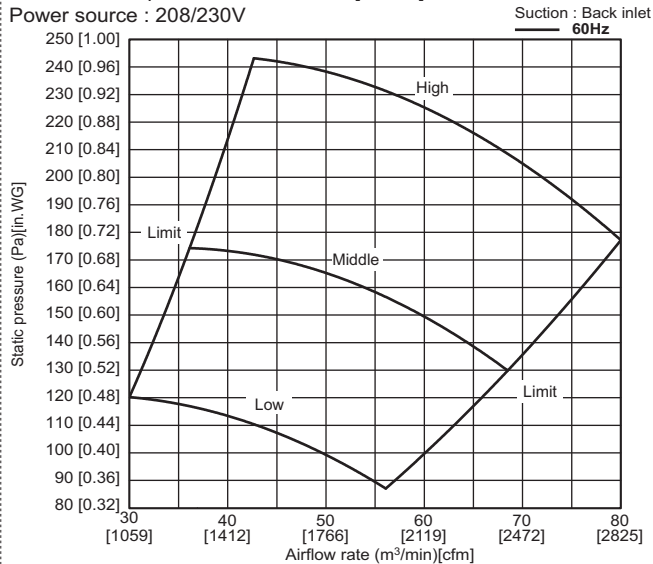
External static pressure : 150Pa,0.60[in.WG]

Power source : 208/230V

**PEFY-M72NMHU-A**

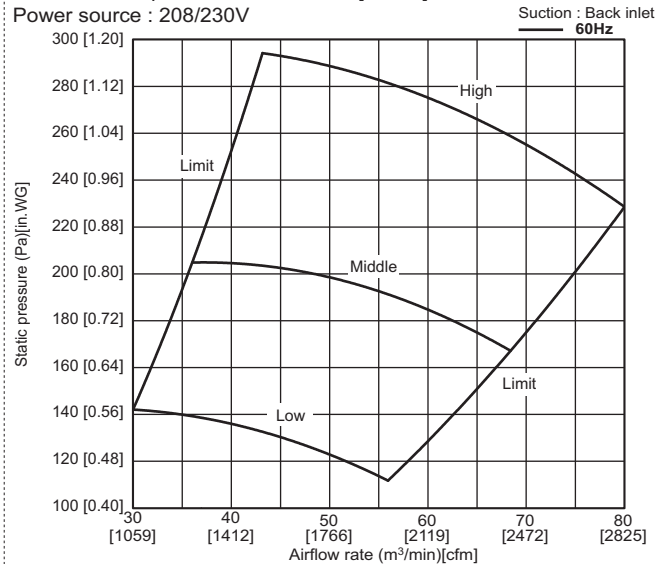
External static pressure : 200Pa,0.80[in.WG]

Power source : 208/230V

**PEFY-M72NMHU-A**

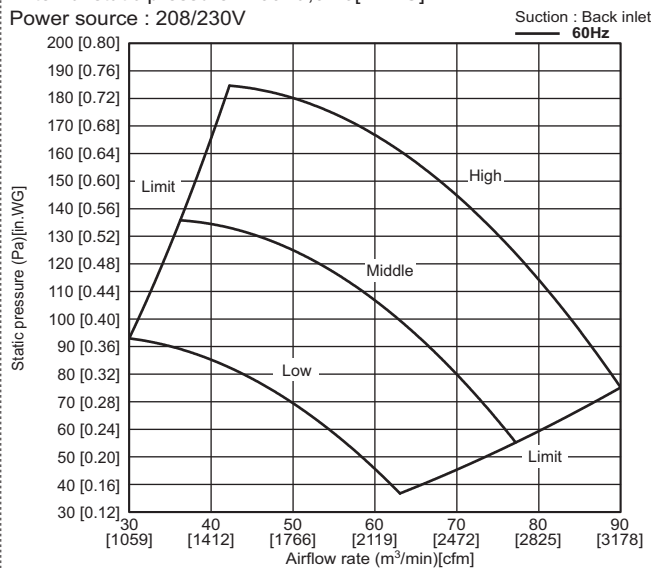
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Power source : 208/230V

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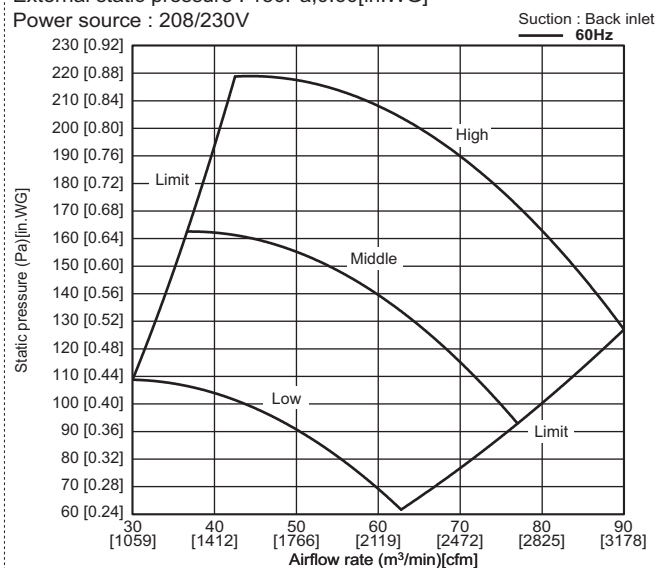
External static pressure : 100Pa,0.40[in.WG]

Power source : 208/230V

**PEFY-M96NMHU-A**

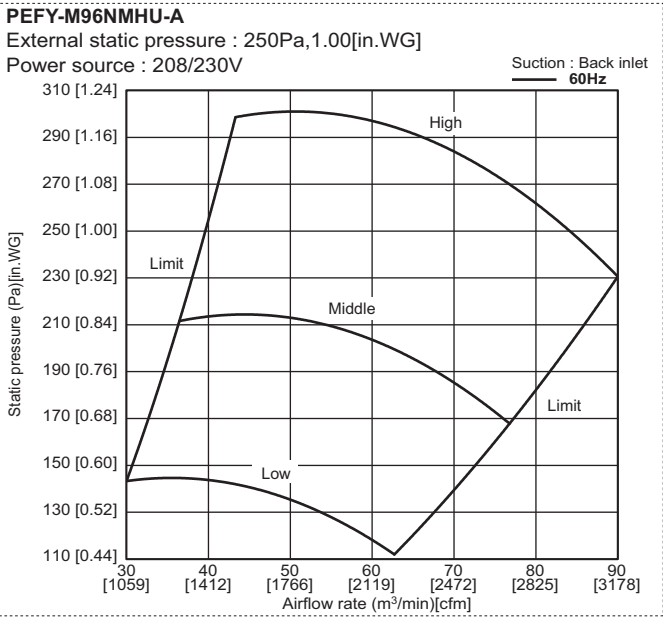
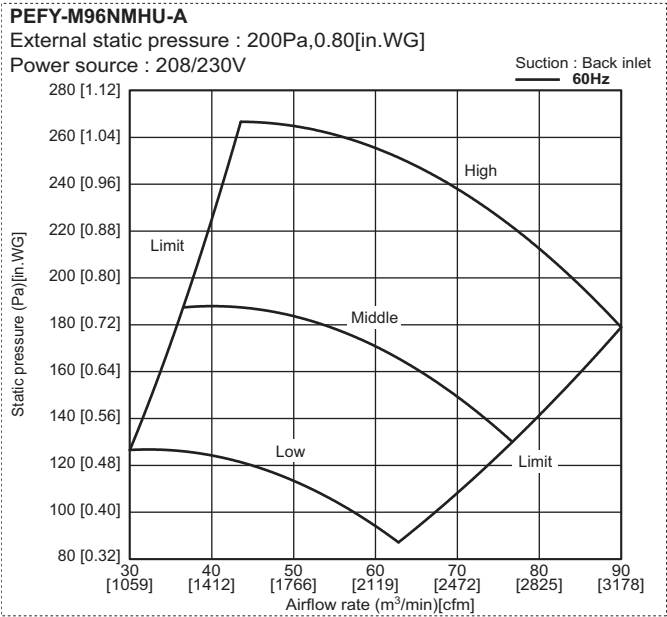
External static pressure : 150Pa,0.60[in.WG]

Power source : 208/230V



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

PEFY-M-NMHU-A



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

Symbols: MCA: Minimum Circuit Ampacity (= 1.25 x FLA) FLA: Full Load Amps
IFM: Indoor Fan Motor Output: Fan motor rated output

Model	Indoor Unit				IFM	
	Hz	Volts	Voltage range	MCA (A)	Output (kW)	FLA (A)
PEFY-M15NMHU-A	60 Hz	208/230 V	188 to 253 V	3.50	0.300	2.80
PEFY-M18NMHU-A						
PEFY-M24NMHU-A					0.375	2.70
PEFY-M27NMHU-A				3.38		
PEFY-M30NMHU-A					1.122	3.80
PEFY-M36NMHU-A				4.75		
PEFY-M48NMHU-A					7.25	
PEFY-M54NMHU-A				9.06		
PEFY-M72NMHU-A						
PEFY-M96NMHU-A						

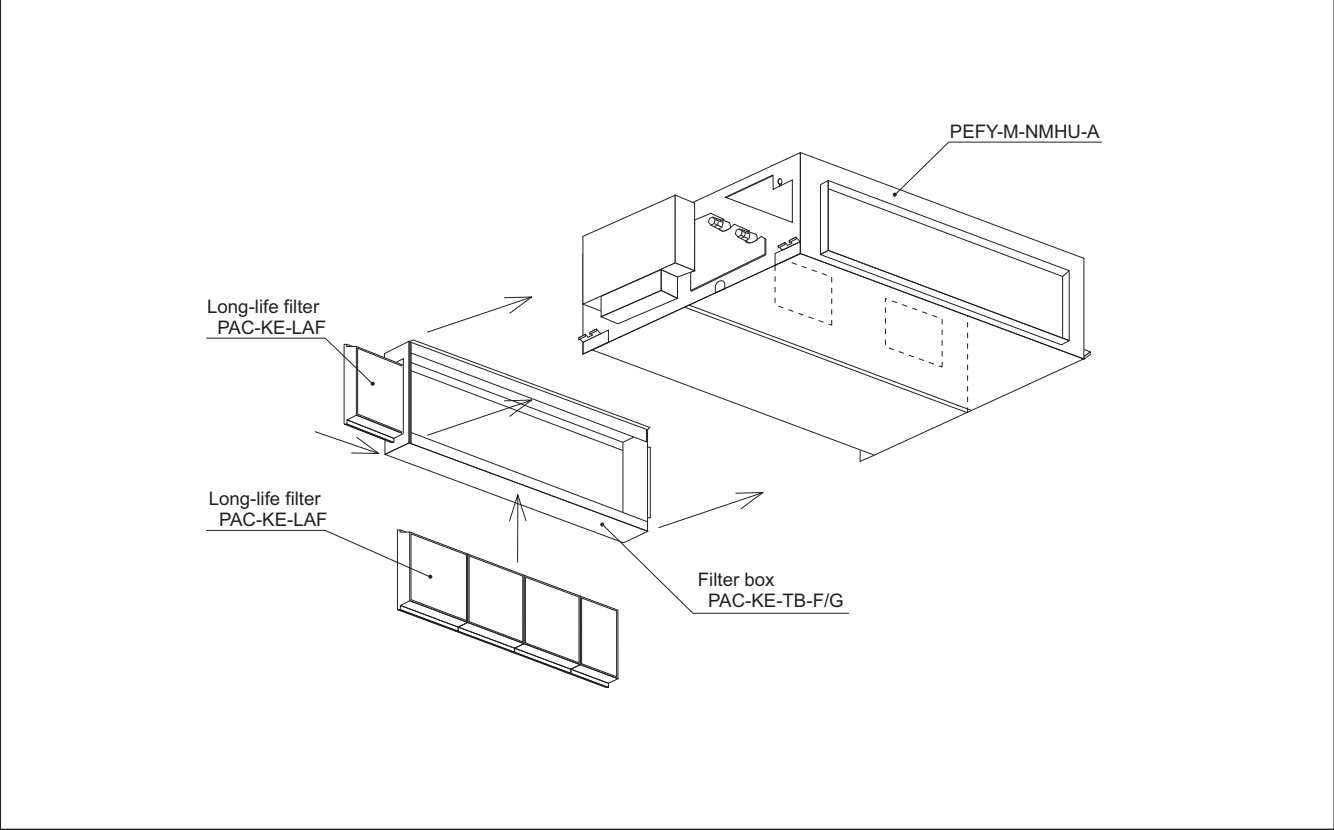
PEFY-M-NMHU-A

PEFY-M-NMHU-A

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

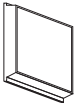
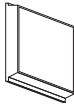
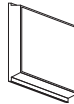
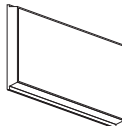
	Long-life filter	Filter box	External heater adapter
PEFY-M15,18,24NMHU-A	PAC-KE86LAF	PAC-KE63TB-F	PAC-YU25HT
PEFY-M27,30NMHU-A	PAC-KE88LAF	PAC-KE80TB-G	PAC-YU25HT
PEFY-M36,48,54NMHU-A	PAC-KE89LAF	PAC-KE140TB-F	PAC-YU25HT
PEFY-M72,96NMHU-A	PAC-KE85LAF	PAC-KE250TB-F	PAC-YU25HT

PEFY-M-NMHU-A

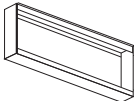


8-2. Long-life filter

Life span: 2,500 hr
*. The actual dust situation affects the filter life span, which should be considered at the applying site.
Material: Synthetic fiber unwoven cloth filter
Static pressure loss is referred to "Fan characteristics curves".
Long-life filter should be used together with filter box PAC-KE-TB-F.

PAC-KE-LAF				
Item	PAC-KE86LAF	PAC-KE88LAF	PAC-KE89LAF	PAC-KE85LAF
Quantity	2	3	3	2
Shape	 (298X300)	 (298X300)	 (298X300)	 (411X600)

For detailed installation information, refer to the Installation Manual.

PAC-KE-TB-F/-G				
Item	① Screw	② Filter box	③ Installation manual	
Quantity	10/12*	1	1	
Shape				*PAC-KE250TB has 12 pieces of screw.

For detailed installation information, refer to the Installation Manual.

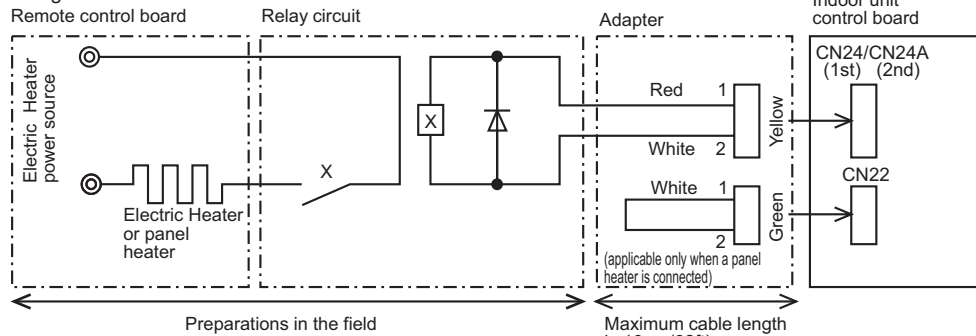
8-3. External heater adapter

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



Outdoor unit control board

Each outdoor unit has function code of heating backup. Please refer to each service manual (DIP S/W Functions).

For relay X, use the specifications given below.

Operation coil

Rated voltage: 12VDC

Power consumption: 0.9W or less

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

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

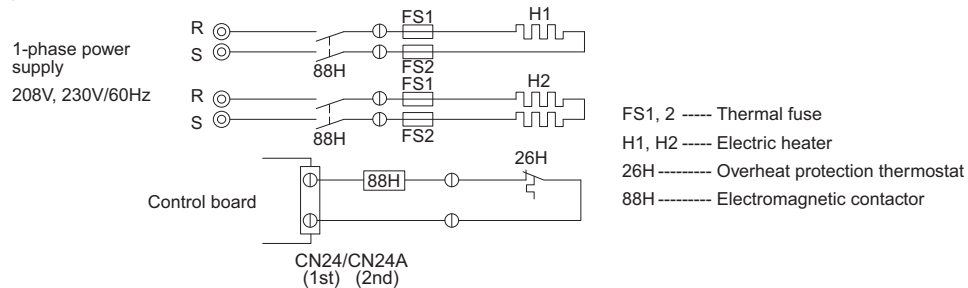
To extend this length, use sheathed 2-core cable.

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

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

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

(2) Recommended circuit



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

For detailed wiring and installation information, refer to the Installation Manual.

⚠ Warning

- Do not use refrigerant other than the type indicated in the manuals provided with the unit and on the nameplate.
 - Doing so may cause the unit or pipes to burst, or result in explosion or fire during use, repair, or at the time of disposal of the unit.
 - It may also be in violation of applicable laws.
 - MITSUBISHI ELECTRIC CORPORATION cannot be held responsible for malfunctions or accidents resulting from the use of the wrong type of refrigerant.
- Our air conditioning equipment and heat pumps contain a fluorinated greenhouse gas, R32/R454B.

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