

AIR CONDITIONING SYSTEMS

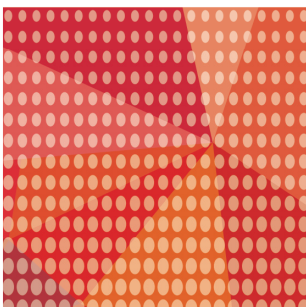
CITY MULTI



DATA BOOK

MODEL

PEFY-M-NMAU-A



PEFY-M-NMAU-A

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1. SPECIFICATIONS

Ceiling concealed (Medium static pressure type)

PEFY-M-NMAU-A

SPECIFICATIONS OF Air Conditioner (Ceiling-concealed TYPE)				
MODEL			PEFY-M06NMAU-A	
Power source			1-phase 208/230 V 60 Hz	
Cooling capacity	*1	BTU/h	6,000	
	*1	kW	1.8	
	*2	Power input	kW	0.042
	*2	Current input	A	0.42/0.38
Heating capacity	*3	BTU/h	6,700	
	*3	kW	2.0	
	*2	Power input	kW	0.040
	*2	Current input	A	0.42/0.38
External finish			Galvanized steel plate	
External dimension HxWxD	inch		9-7/8 x 27-9/16 x 28-7/8	
	mm		250 x 700 x 732	
Net weight	lbs (kg)		48 (21.5)	
Heat exchanger			Cross fin (Aluminum fin and copper tube)	
FAN	Type x Quantity		Sirocco fan x 1	
	*4	External	in.WG	<0.14> - 0.20 - <0.28> - <0.40> - <0.60> <35> - 50 - <70> - <100> - <150>
		static press.	Pa	
	Motor Type		DC motor	
	Motor output		kW	0.085
	Driving mechanism		Direct-driven by motor	
	Air flow rate		(Low-Mid-High)	
			cfm	212 - 265 - 300
			m³/min	6.0 - 7.5 - 8.5
			L/s	100 - 125 - 142
Sound pressure level (measured in anechoic room) *2			dB (A)	(Low-Mid-High) 24-28-30
Insulation material			EPS, Polyethylene foam, Urethane foam	
Air filter			PP honeycomb fabric.	
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)Braze	
	Gas	inch (mm)	1/2 (12.7)Braze	
Field drain pipe size		inch (mm)	O.D.1-1/4 (32)	
Drawing	External		KB94C9Z5	
	Wiring		KB94C9Z4	
	Refrigerant cycle		-	
Standard attachment	Document		Installation Manual, Instruction Book	
	Accessory		Washer, Drain socket, Tie band	
Optional parts	External heater adapter		PAC-YU25HT	
	Filter box		PAC-KE91TB-E	
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.				*Above specification data is subject to rounding variation.
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.				

1. SPECIFICATIONS

Ceiling concealed (Medium static pressure type)

PEFY-M-NMAU-A

SPECIFICATIONS OF Air Conditioner				(Ceiling-concealed TYPE)	
MODEL			PEFY-M08NMAU-A		
Power source			1-phase 208/230 V 60 Hz		
Cooling capacity	*1	BTU/h	8,000		
	*1	kW	2.3		
	*2	Power input	kW	0.042	
	*2	Current input	A	0.42/0.38	
Heating capacity	*3	BTU/h	9,000		
	*3	kW	2.6		
	*2	Power input	kW	0.040	
	*2	Current input	A	0.42/0.38	
External finish			Galvanized steel plate		
External dimension HxWxD		inch	9-7/8 x 27-9/16 x 28-7/8		
		mm	250 x 700 x 732		
Net weight		lbs (kg)	48 (21.5)		
Heat exchanger			Cross fin (Aluminum fin and copper tube)		
FAN	Type x Quantity		Sirocco fan x 1		
	*4	External static press.	in.WG	<0.14> - 0.20 - <0.28> - <0.40> - <0.60>	
			Pa	<35> - 50 - <70> - <100> - <150>	
	Motor Type		DC motor		
	Motor output		kW	0.085	
	Driving mechanism		Direct-driven by motor		
	Air flow rate		(Low-Mid-High)		
			cfm	212 - 265 - 300	
			m³/min	6.0 - 7.5 - 8.5	
			L/s	100 - 125 - 142	
Sound pressure level (measured in anechoic room)		*2	dB (A)	(Low-Mid-High) 24-28-30	
Insulation material			EPS, Polyethylene foam, Urethane foam		
Air filter			PP honeycomb fabric.		
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		KB94C9Z5		
	Wiring		KB94C9Z4		
	Refrigerant cycle		-		
Standard attachment	Document		Installation Manual, Instruction Book		
	Accessory		Washer, Drain socket, Tie band		
Optional parts	External heater adapter		PAC-YU25HT		
	Filter box		PAC-KE91TB-E		
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 (Medium static pressure type)

PEFY-M-NMAU-A

SPECIFICATIONS OF Air Conditioner (Ceiling-concealed TYPE)				
MODEL			PEFY-M12NMAU-A	
Power source			1-phase 208/230 V 60 Hz	
Cooling capacity	*1	BTU/h	12,000	
	*1	kW	3.5	
	*2	Power input	kW	0.052
	*2	Current input	A	0.56/0.51
Heating capacity	*3	BTU/h	13,500	
	*3	kW	4.0	
	*2	Power input	kW	0.050
	*2	Current input	A	0.56/0.51
External finish			Galvanized steel plate	
External dimension HxWxD	inch		9-7/8 x 27-9/16 x 28-7/8	
	mm		250 x 700 x 732	
Net weight	lbs (kg)		48 (21.5)	
Heat exchanger			Cross fin (Aluminum fin and copper tube)	
FAN	Type x Quantity		Sirocco fan x 1	
	*4	External	in.WG	<0.14> - 0.20 - <0.28> - <0.40> - <0.60>
		static press.	Pa	
	Motor Type		DC motor	
	Motor output		kW	0.085
	Driving mechanism		Direct-driven by motor	
	Air flow rate		(Low-Mid-High)	
			cfm	265 - 318 - 371
			m³/min	7.5 - 9.0 - 10.5
			L/s	125 - 150 - 175
Sound pressure level (measured in anechoic room) *2			dB (A)	(Low-Mid-High) 26-30-34
Insulation material			EPS, Polyethylene foam, Urethane foam	
Air filter			PP honeycomb fabric.	
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)Braze	
	Gas	inch (mm)	1/2 (12.7)Braze	
Field drain pipe size		inch (mm)	O.D.1-1/4 (32)	
Drawing	External		KB94C9Z5	
	Wiring		KB94C9Z4	
	Refrigerant cycle		-	
Standard attachment	Document		Installation Manual, Instruction Book	
	Accessory		Washer, Drain socket, Tie band	
Optional parts	External heater adapter		PAC-YU25HT	
	Filter box		PAC-KE91TB-E	
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.				*Above specification data is subject to rounding variation.
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.				

1. SPECIFICATIONS

Ceiling concealed (Medium static pressure type)

PEFY-M-NMAU-A

SPECIFICATIONS OF Air Conditioner				(Ceiling-concealed TYPE)	
MODEL			PEFY-M15NMAU-A		
Power source			1-phase 208/230 V 60 Hz		
Cooling capacity	*1	BTU/h	15,000		
	*1	kW	4.4		
	*2	Power input	kW	0.062	
	*2	Current input	A	0.64/0.58	
Heating capacity	*3	BTU/h	17,000		
	*3	kW	5.0		
	*2	Power input	kW	0.060	
	*2	Current input	A	0.64/0.58	
External finish			Galvanized steel plate		
External dimension HxWxD		inch	9-7/8 x 35-7/16 x 28-7/8		
		mm	250 x 900 x 732		
Net weight		lbs (kg)	58 (26)		
Heat exchanger			Cross fin (Aluminum fin and copper tube)		
FAN	Type x Quantity		Sirocco fan x 2		
	*4	External static press.	in.WG	<0.14> - 0.20 - <0.28> - <0.40> - <0.60>	
			Pa	<35> - 50 - <70> - <100> - <150>	
	Motor Type		DC motor		
	Motor output		0.121		
	Driving mechanism		Direct-driven by motor		
	Air flow rate		(Low-Mid-High)		
			cfm	353 - 424 - 494	
			m³/min	10.0 - 12.0 - 14.0	
L/s			167 - 200 - 233		
Sound pressure level (measured in anechoic room)		*2	dB (A)		(Low-Mid-High) 27-31-34
Insulation material			EPS, Polyethylene foam, Urethane foam		
Air filter			PP honeycomb fabric.		
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		KB94C9Z5		
	Wiring		KB94C9Z4		
	Refrigerant cycle		-		
Standard attachment	Document		Installation Manual, Instruction Book		
	Accessory		Washer, Drain socket, Tie band		
Optional parts	External heater adapter		PAC-YU25HT		
	Filter box		PAC-KE92TB-E		
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.					*Above specification data is subject to rounding variation.
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.					

1. SPECIFICATIONS

Ceiling concealed (Medium static pressure type)

PEFY-M-NMAU-A

SPECIFICATIONS OF Air Conditioner (Ceiling-concealed TYPE)				
MODEL			PEFY-M18NMAU-A	
Power source			1-phase 208/230 V 60 Hz	
Cooling capacity	*1	BTU/h	18,000	
	*1	kW	5.3	
	*2	Power input	kW	0.142
	*2	Current input	A	1.24/1.12
Heating capacity	*3	BTU/h	20,000	
	*3	kW	5.9	
	*2	Power input	kW	0.140
	*2	Current input	A	1.24/1.12
External finish			Galvanized steel plate	
External dimension HxWxD	inch		9-7/8 x 43-5/16 x 28-7/8	
	mm		250 x 1,100 x 732	
Net weight	lbs (kg)		67 (30)	
Heat exchanger			Cross fin (Aluminum fin and copper tube)	
FAN	Type x Quantity		Sirocco fan x 2	
	*4	External static press.	in.WG	<0.14> - 0.20 - <0.28> - <0.40> - <0.60>
			Pa	<35> - 50 - <70> - <100> - <150>
	Motor Type		DC motor	
	Motor output		kW	0.121
	Driving mechanism		Direct-driven by motor	
	Air flow rate		(Low-Mid-High)	
			cfm	618 - 742 - 883
			m³/min	17.5 - 21.0 - 25.0
			L/s	292 - 350 - 417
Sound pressure level (measured in anechoic room) *2			dB (A)	
			(Low-Mid-High)	
			31-35-39	
Insulation material			EPS, Polyethylene foam, Urethane foam	
Air filter			PP honeycomb fabric.	
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		KB94C9Z5	
	Wiring		KB94C9Z4	
	Refrigerant cycle		-	
Standard attachment	Document		Installation Manual, Instruction Book	
	Accessory		Washer, Drain socket, Tie band	
Optional parts	External heater adapter		PAC-YU25HT	
	Filter box		PAC-KE93TB-E	
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 (Medium static pressure type)

PEFY-M-NMAU-A

SPECIFICATIONS OF Air Conditioner				(Ceiling-concealed TYPE)	
MODEL			PEFY-M24NMAU-A		
Power source			1-phase 208/230 V 60 Hz		
Cooling capacity	*1	BTU/h	24,000		
	*1	kW	7.0		
	*2	Power input	kW	0.142	
	*2	Current input	A	1.24/1.12	
Heating capacity	*3	BTU/h	27,000		
	*3	kW	7.9		
	*2	Power input	kW	0.140	
	*2	Current input	A	1.24/1.12	
External finish			Galvanized steel plate		
External dimension HxWxD		inch	9-7/8 x 43-5/16 x 28-7/8		
		mm	250 x 1,100 x 732		
Net weight		lbs (kg)	67 (30)		
Heat exchanger			Cross fin (Aluminum fin and copper tube)		
FAN	Type x Quantity		Sirocco fan x 2		
	*4	External static press.	in.WG	<0.14> - 0.20 - <0.28> - <0.40> - <0.60>	
			Pa	<35> - 50 - <70> - <100> - <150>	
	Motor Type		DC motor		
	Motor output		kW	0.121	
	Driving mechanism		Direct-driven by motor		
	Air flow rate		(Low-Mid-High)		
			cfm	618 - 742 - 883	
			m³/min	17.5 - 21.0 - 25.0	
			L/s	292 - 350 - 417	
Sound pressure level (measured in anechoic room)		*2	dB (A)	(Low-Mid-High) 31-35-39	
Insulation material			EPS, Polyethylene foam, Urethane foam		
Air filter			PP honeycomb fabric.		
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		KB94C9Z5		
	Wiring		KB94C9Z4		
	Refrigerant cycle		-		
Standard attachment	Document		Installation Manual, Instruction Book		
	Accessory		Washer, Drain socket, Tie band		
Optional parts	External heater adapter		PAC-YU25HT		
	Filter box		PAC-KE93TB-E		
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 (Medium static pressure type)

PEFY-M-NMAU-A

SPECIFICATIONS OF Air Conditioner (Ceiling-concealed TYPE)				
MODEL		PEFY-M27NMAU-A		
Power source		1-phase 208/230 V 60 Hz		
Cooling capacity	*1	BTU/h	27,000	
	*1	kW	7.9	
	*2	Power input	kW	0.142
	*2	Current input	A	1.24/1.12
Heating capacity	*3	BTU/h	30,000	
	*3	kW	8.8	
	*2	Power input	kW	0.140
	*2	Current input	A	1.24/1.12
External finish		Galvanized steel plate		
External dimension HxWxD	inch		9-7/8 x 43-5/16 x 28-7/8	
	mm		250 x 1,100 x 732	
Net weight	lbs (kg)		67 (30)	
Heat exchanger		Cross fin (Aluminum fin and copper tube)		
FAN	Type x Quantity		Sirocco fan x 2	
	*4	External	in.WG	<0.14> - 0.20 - <0.28> - <0.40> - <0.60>
		static press.	Pa	<35> - 50 - <70> - <100> - <150>
	Motor Type		DC motor	
	Motor output		kW	0.121
	Driving mechanism		Direct-driven by motor	
	Air flow rate		(Low-Mid-High)	
			cfm	618 - 742 - 883
			m³/min	17.5 - 21.0 - 25.0
			L/s	292 - 350 - 417
Sound pressure level (measured in anechoic room)		*2	dB (A)	(Low-Mid-High) 31-35-39
Insulation material		EPS, Polyethylene foam, Urethane foam		
Air filter		PP honeycomb fabric.		
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		KB94C9Z5	
	Wiring		KB94C9Z4	
	Refrigerant cycle		-	
Standard attachment	Document		Installation Manual, Instruction Book	
	Accessory		Washer, Drain socket, Tie band	
Optional parts	External heater adapter		PAC-YU25HT	
	Filter box		PAC-KE93TB-E	
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.			*Above specification data is subject to rounding variation.	
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.				

1. SPECIFICATIONS

Ceiling concealed (Medium static pressure type)

PEFY-M-NMAU-A

SPECIFICATIONS OF Air Conditioner				(Ceiling-concealed TYPE)	
MODEL			PEFY-M30NMAU-A		
Power source			1-phase 208/230 V 60 Hz		
Cooling capacity	*1	BTU/h	30,000		
	*1	kW	8.8		
	*2	Power input	kW	0.222	
	*2	Current input	A	2.01/1.82	
Heating capacity	*3	BTU/h	34,000		
	*3	kW	10.0		
	*2	Power input	kW	0.220	
	*2	Current input	A	2.01/1.82	
External finish			Galvanized steel plate		
External dimension HxWxD		inch	9-7/8 x 55-1/8 x 28-7/8		
		mm	250 x 1,400 x 732		
Net weight		lbs (kg)	84 (38)		
Heat exchanger			Cross fin (Aluminum fin and copper tube)		
FAN	Type x Quantity		Sirocco fan x 3		
	*4	External static press.	in.WG	<0.14> - 0.20 - <0.28> - <0.40> - <0.60>	
			Pa	<35> - 50 - <70> - <100> - <150>	
	Motor Type		DC motor		
	Motor output		0.3		
	Driving mechanism		Direct-driven by motor		
	Air flow rate		(Low-Mid-High)		
			cfm	883 - 1,077 - 1,271	
m³/min			25.0 - 30.5 - 36.0		
L/s			417 - 508 - 600		
Sound pressure level (measured in anechoic room)		*2	dB (A)	(Low-Mid-High) 35-39-43	
Insulation material			EPS, Polyethylene foam, Urethane foam		
Air filter			PP honeycomb fabric.		
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		KB94C9Z5		
	Wiring		KB94C9Z4		
	Refrigerant cycle		-		
Standard attachment	Document		Installation Manual, Instruction Book		
	Accessory		Washer, Drain socket, Tie band		
Optional parts	External heater adapter		PAC-YU25HT		
	Filter box		PAC-KE94TB-E		
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 (Medium static pressure type)

PEFY-M-NMAU-A

SPECIFICATIONS OF Air Conditioner (Ceiling-concealed TYPE)				
MODEL			PEFY-M36NMAU-A	
Power source			1-phase 208/230 V 60 Hz	
Cooling capacity	*1	BTU/h	36,000	
	*1	kW	10.6	
	*2	Power input	kW	0.222
	*2	Current input	A	2.01/1.82
Heating capacity	*3	BTU/h	40,000	
	*3	kW	11.7	
	*2	Power input	kW	0.220
	*2	Current input	A	2.01/1.82
External finish			Galvanized steel plate	
External dimension HxWxD	inch		9-7/8 x 55-1/8 x 28-7/8	
	mm		250 x 1,400 x 732	
Net weight	lbs (kg)		84 (38)	
Heat exchanger			Cross fin (Aluminum fin and copper tube)	
FAN	Type x Quantity		Sirocco fan x 3	
	*4	External	in.WG	<0.14> - 0.20 - <0.28> - <0.40> - <0.60> <35> - 50 - <70> - <100> - <150>
		static press.	Pa	
	Motor Type		DC motor	
	Motor output		kW	0.3
	Driving mechanism		Direct-driven by motor	
	Air flow rate		(Low-Mid-High)	
			cfm	883 - 1,077 - 1,271
			m³/min	25.0 - 30.5 - 36.0
			L/s	417 - 508 - 600
Sound pressure level (measured in anechoic room) *2			dB (A)	
			(Low-Mid-High) 35-39-43	
Insulation material			EPS, Polyethylene foam, Urethane foam	
Air filter			PP honeycomb fabric.	
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		KB94C9Z5	
	Wiring		KB94C9Z4	
	Refrigerant cycle		-	
Standard attachment	Document		Installation Manual, Instruction Book	
	Accessory		Washer, Drain socket, Tie band	
Optional parts	External heater adapter		PAC-YU25HT	
	Filter box		PAC-KE94TB-E	
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 (Medium static pressure type)

PEFY-M-NMAU-A

SPECIFICATIONS OF Air Conditioner				(Ceiling-concealed TYPE)	
MODEL			PEFY-M48NMAU-A		
Power source			1-phase 208/230 V 60 Hz		
Cooling capacity	*1	BTU/h	48,000		
	*1	kW	14.1		
	*2	Power input	kW	0.242	
	*2	Current input	A	2.06/1.87	
Heating capacity	*3	BTU/h	54,000		
	*3	kW	15.8		
	*2	Power input	kW	0.240	
	*2	Current input	A	2.06/1.87	
External finish			Galvanized steel plate		
External dimension HxWxD		inch	9-7/8 x 55-1/8 x 28-7/8		
		mm	250 x 1,400 x 732		
Net weight		lbs (kg)	86 (39)		
Heat exchanger			Cross fin (Aluminum fin and copper tube)		
FAN	Type x Quantity		Sirocco fan x 3		
	*4	External static press.	in.WG	<0.14> - 0.20 - <0.28> - <0.40> - <0.60>	
			Pa	<35> - 50 - <70> - <100> - <150>	
	Motor Type		DC motor		
	Motor output		kW	0.3	
	Driving mechanism		Direct-driven by motor		
	Air flow rate		(Low-Mid-High)		
			cfm	918 - 1,112 - 1,306	
			m³/min	26.0 - 31.5 - 37.0	
		L/s	433 - 525 - 617		
Sound pressure level (measured in anechoic room)		*2	dB (A)	(Low-Mid-High) 35-40-44	
Insulation material			EPS, Polyethylene foam, Urethane foam		
Air filter			PP honeycomb fabric.		
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		KB94C9Z5		
	Wiring		KB94C9Z4		
	Refrigerant cycle		-		
Standard attachment	Document		Installation Manual, Instruction Book		
	Accessory		Washer, Drain socket, Tie band		
Optional parts	External heater adapter		PAC-YU25HT		
	Filter box		PAC-KE94TB-E		
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 (Medium static pressure type)

PEFY-M-NMAU-A

SPECIFICATIONS OF Air Conditioner (Ceiling-concealed TYPE)				
MODEL		PEFY-M54NMAU-A		
Power source		1-phase 208/230 V 60 Hz		
Cooling capacity	*1	BTU/h	54,000	
	*1	kW	15.8	
	*2	Power input	kW	0.252
	*2	Current input	A	2.29/2.07
Heating capacity	*3	BTU/h	60,000	
	*3	kW	17.6	
	*2	Power input	kW	0.250
	*2	Current input	A	2.29/2.07
External finish		Galvanized steel plate		
External dimension HxWxD	inch	9-7/8 x 63 x 28-7/8		
	mm	250 x 1,600 x 732		
Net weight	lbs (kg)	93 (42)		
Heat exchanger		Cross fin (Aluminum fin and copper tube)		
FAN	Type x Quantity		Sirocco fan x 3	
	*4	External static press.	in.WG	<0.14> - 0.20 - <0.28> - <0.40> - <0.60>
			Pa	<35> - 50 - <70> - <100> - <150>
	Motor Type		DC motor	
	Motor output		kW	0.3
	Driving mechanism		Direct-driven by motor	
	Air flow rate		(Low-Mid-High)	
		cfm	989 - 1,201 - 1,413	
		m³/min	28.0 - 34.0 - 40.0	
		L/s	467 - 567 - 667	
Sound pressure level (measured in anechoic room) *2		dB (A)	(Low-Mid-High) 34-38-42	
Insulation material		EPS, Polyethylene foam, Urethane foam		
Air filter		PP honeycomb fabric.		
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		KB94C9Z5	
	Wiring		KB94C9Z4	
	Refrigerant cycle		-	
Standard attachment	Document		Installation Manual, Instruction Book	
	Accessory		Washer, Drain socket, Tie band	
Optional parts	External heater adapter		PAC-YU25HT	
	Filter box		PAC-KE95TB-E	
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.			*Above specification data is subject to rounding variation.	
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.				

PEFY-M06, 08, 12, 15, 18, 24, 27, 30, 36, 48, 54NMAU-A

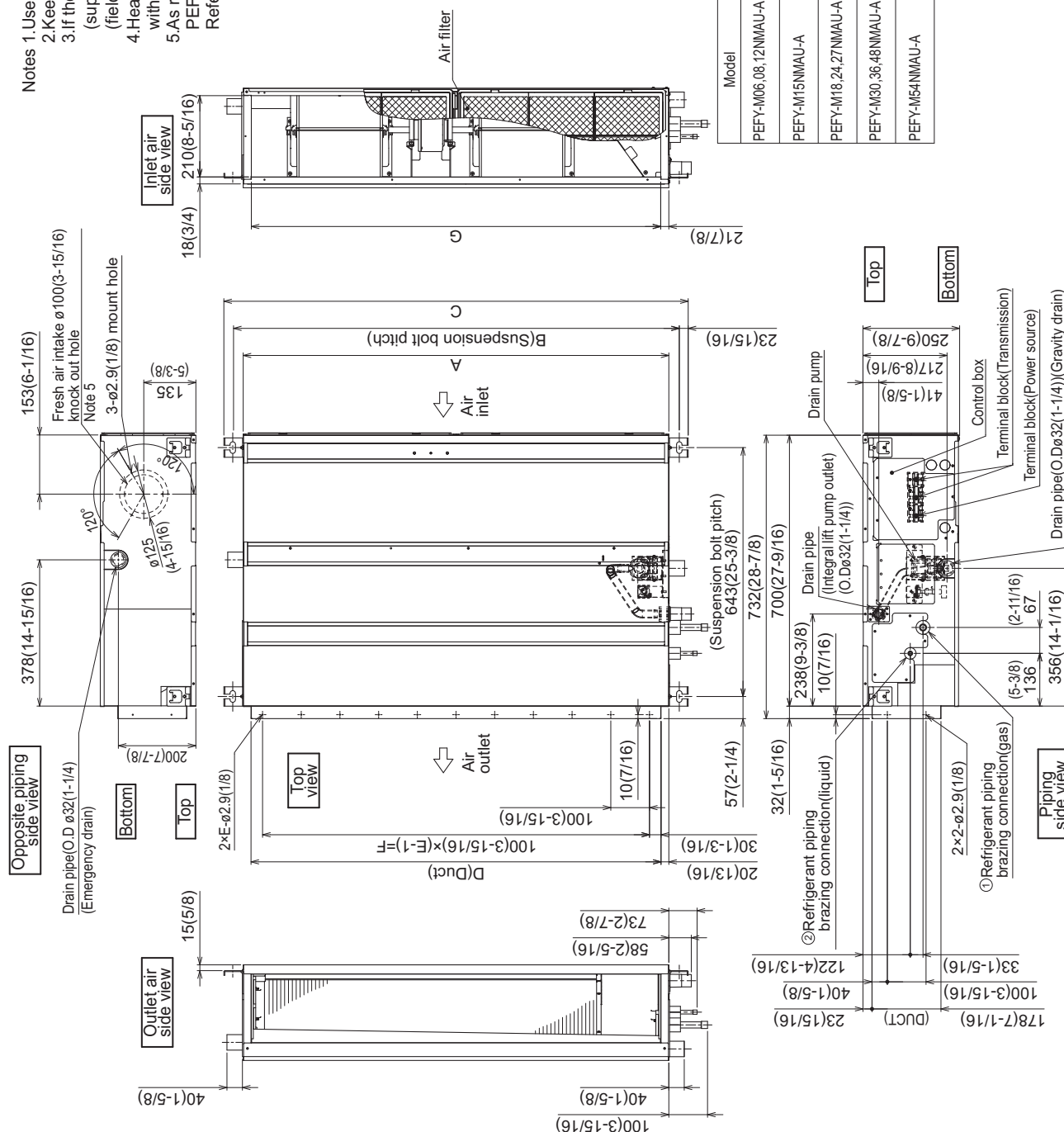
Unit: mm (in.)

- Notes
1. Use an M10 screw for the suspension bolt (field supply).
 2. Keep the service space for maintenance at the bottom.
 3. If the inlet duct is used, remove the air filter (supplied with the unit), then install the filter (field supply) at the suction side.
 4. Heat air to 0°C (32°F) or higher when taking fresh air with a fresh air intake.
 5. As representative drawing, PEFY-M18, 24, 27NMAU-A is shown in this drawing. Refer to below information about the number of fan.

Model	Number of fan
PEFY-M06,08,12NMAU-A	1
PEFY-M15,18,24,27NMAU-A	2
PEFY-M30,36,48,54NMAU-A	3

Model	① Gas pipe	② Liquid pipe
PEFY-M06,08,12,15,18NMAU-A	ø12.7 (1/2)	ø6.35 (1/4)
PEFY-M24,27,30,36,48,54NMAU-A	ø15.88 (5/8)	ø9.52 (3/8)

Model	A	B	C	D	E	F	G
PEFY-M06,08,12NMAU-A	700 (27-9/16)	754 (29-11/16)	800 (31-1/2)	660 (26)	7	600 (23-5/8)	658 (25-15/16)
PEFY-M15NMAU-A	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-M18,24,27NMAU-A	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-M30,36,48NMAU-A	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-M54NMAU-A	1600 (63)	1654 (65-1/8)	1700 (66-15/16)	1560 (61-7/16)	16	1500 (59-1/16)	1558 (61-3/8)

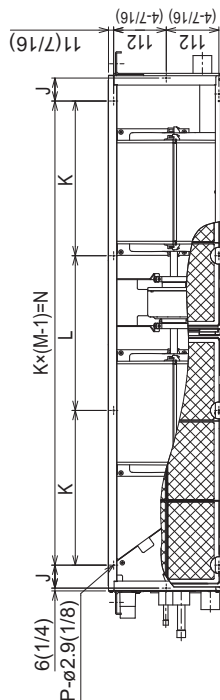
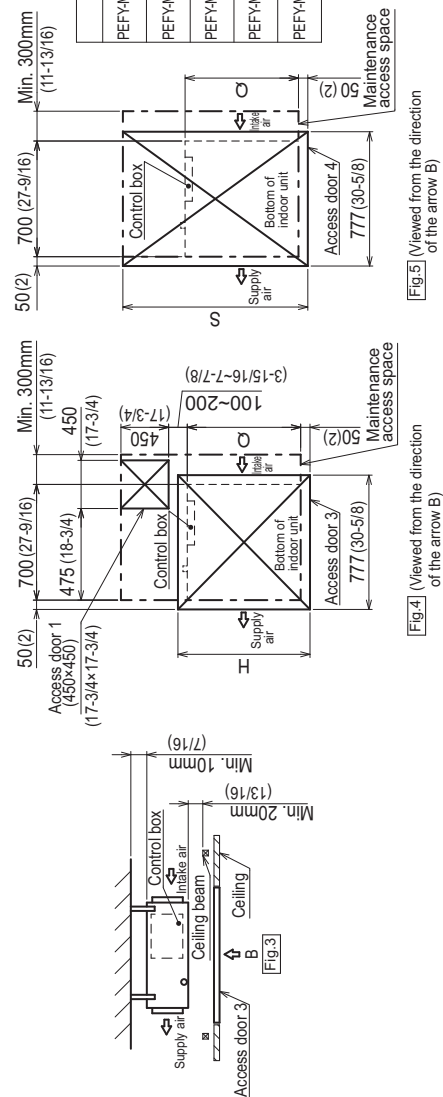
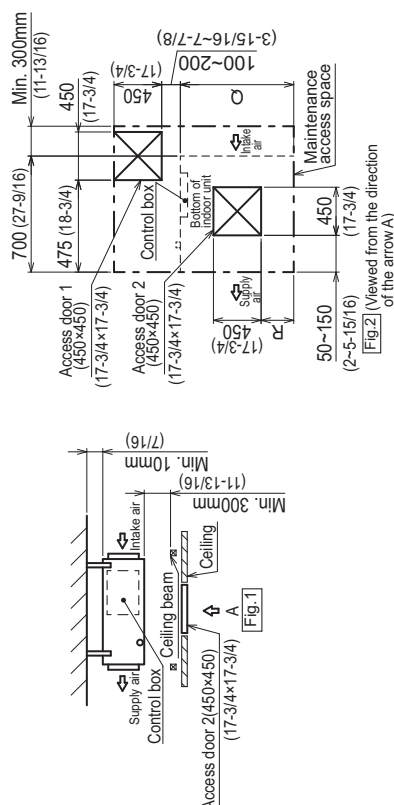
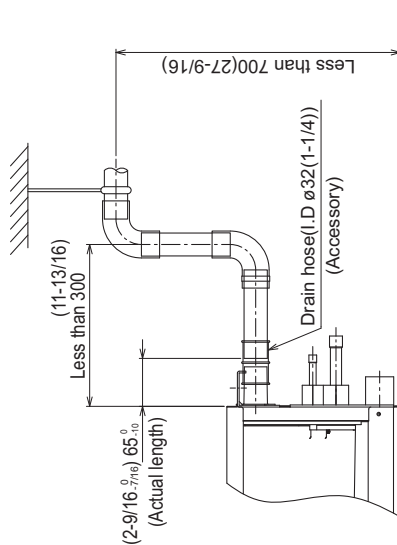


[Maintenance access space]

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

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

- (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 control box and access door 3 below the unit as shown in Fig.4.
 - or
 - Create access door 4 below the control box and the unit as shown in Fig.5.



Model	H	J	K	L	M	N	P	Q	R	S
PEFYM06.08.12NMAU-A	800 (31-12)	44 (1-34)	150 (5-15/16)	300 (11-13/16)			10 (27-9/16)	700 (27-9/16)	50-150 (2-5-15/16)	1300 (51-3/16)
PEFYM15NMAU-A	1000 (39-3/8)	54 (2-3/16)	260 (10-1/4)		4 (30-3/4)	780	10	900 (35-7/16)	150-250 (5-15/16)-(9-7/8)	1500 (59-1/16)
PEFYM18.24.27NMAU-A	1200 (47-1/4)	49 (1-15/16)	330 (13)			990	10	1100 (43-5/16)	250-350 (9-7/8)-(13-13/16)	1700 (66-15/16)
PEFYM30.36.48NMAU-A	1500 (59-1/16)	54 (2-3/16)	320 (12-5/8)		5 (50-7/16)	1280	12	1400 (55-1/8)	400-500 (15-3/4)-(19-11/16)	2000 (78-3/4)
PEFYM54NMAU-A	1700 (66-15/16)	53 (2-1/16)	370 (14-5/8)		5 (58-5/8)	1480	12	1600 (63)	500-600 (19-11/16)-(23-5/8)	2200 (86-5/8)

Unit: mm (in.)

Ceiling concealed (Medium static pressure type)

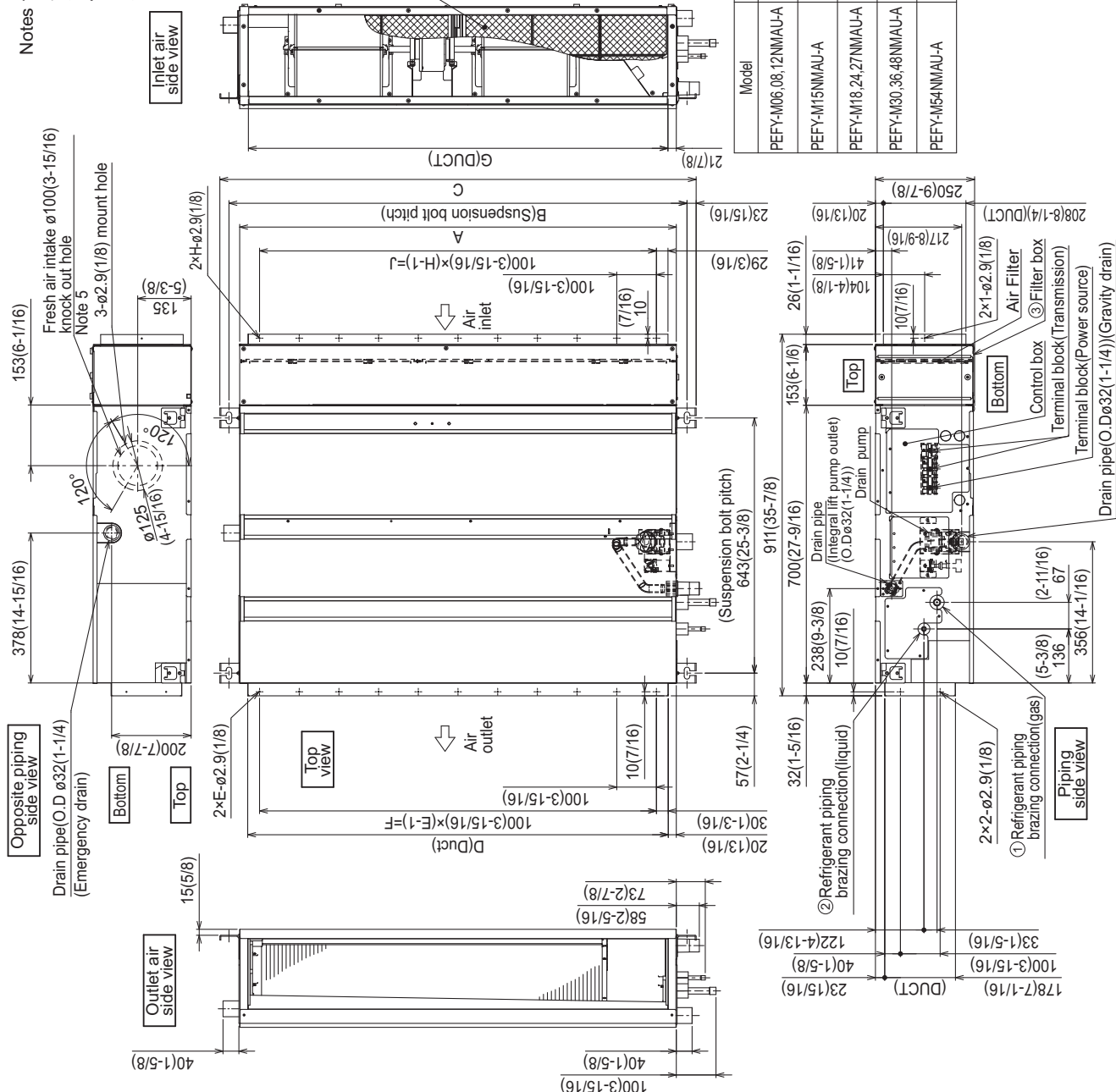
Unit: mm (in.)

1. Use an M10 screw for the suspension bolt (field supply).
2. Keep the service space for maintenance at the bottom.
3. Use air filter installed with indoor unit.
4. Heat air to 0°C (32°F) or higher when taking fresh air with a fresh air intake.
5. As representative drawing,
PEFY-M18 · 24 · 27NMAU-A is shown in this drawing.
Refer to below information about the number of fan.

Model	Number of fan
PEFY-M06, 08, 12NMAU-A	1
PEFY-M15, 18, 24, 27NMAU-A	2
PEFY-M30, 36, 48, 54NMAU-A	3

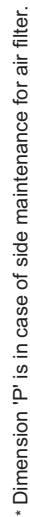
Unit:mm(in.)	① Gas pipe	② Liquid pipe	③ Filter box
REFY-M06.08.12NMAU-A	ø12.7 (1/2)	ø6.35 (1/4)	PAC-KE91TB-E
REFY-M15NMAU-A			PAC-KE92TB-E
REFY-M18NMAU-A			PAC-KE93TB-E
REFY-M24.27NMAU-A	ø15.88 (5/8)	ø9.52 (3/8)	PAC-KE94TB-E
REFY-M30.36.48NMAU-A			PAC-KE95TB-E
REFY-M54NMAU-A			

Model	A	B	C	D	E	F	G	H	J
PEFY-M06.08.12NMAU-A	700 (27-9/16)	754 (29-11/16)	800 (31-1/2)	660 (26)	7	600 (23-5/8)	658 (25-15/16)	7 (23-5/8)	600
PEFY-M15NMAU-A	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)	9 (31-1/2)	800
PEFY-M18.24.27NMAU-A	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)	11 (39-3/8)	1000
PEFY-M30.36.48NMAU-A	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)	14 (51-3/16)	1300
PEFY-M54NMAU-A	1600 (63)	1654 (65-1/8)	1700 (66-15/16)	1560 (61-7/16)	16	1500 (59-1/16)	1558 (61-3/8)	16 (59-1/16)	1500



PEFY-M-NMAU-A

Unit: mm (in.)

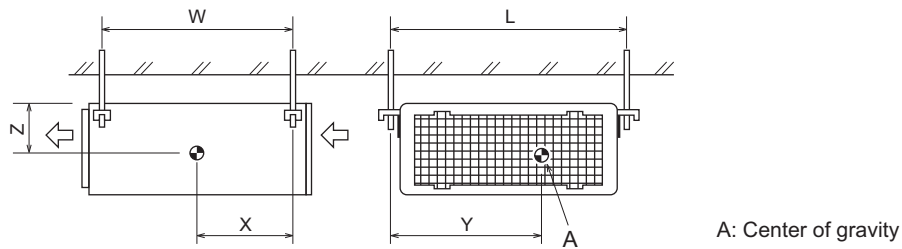


Model	K	L	M	N	P *
PEFY-M06.08.12NMAU-A	800 (31-12)	700 (27-916)	50-150 (2)-(5-1516)	1300 (51-316)	1450 (57-18)
PEFY-M15NMAU-A	1000 (39-38)	900 (35-716)	150-250 (5-1516)-(9-78)	1500 (59-116)	1850 (72-78)
PEFY-M18.24.27NMAU-A	1200 (47-14)	1100 (43-516)	250-350 (9-78)-(13-1316)	1700 (66-1516)	
PEFY-M30.36.49NMAU-A	1400 (59-116)	1400 (55-116)	400-500 (15-316)-(19-1116)	2000 (78-316)	2150 (84-1116)
PEFY-M54NMAU-A	1700 (66-1516)	1630 (63)	500-600 (19-1116)-(23-518)	2500 (98-518)	2650 (107-116)

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

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

PEFY-M06, 08, 12, 15, 18, 24, 27, 30, 36, 48, 54NMAU-A



(mm) [in]

Model name	W	L	X	Y	Z
PEFY-M06NMAU-A	643 [25-6/16]	754 [29-11/16]	330 [13]	300 [11-13/16]	130 [5-2/16]
PEFY-M08NMAU-A	643 [25-6/16]	754 [29-11/16]	330 [13]	300 [11-13/16]	130 [5-2/16]
PEFY-M12NMAU-A	643 [25-6/16]	754 [29-11/16]	330 [13]	300 [11-13/16]	130 [5-2/16]
PEFY-M15NMAU-A	643 [25-6/16]	954 [37-9/16]	340 [13-7/16]	375 [14-13/16]	130 [5-2/16]
PEFY-M18NMAU-A	643 [25-6/16]	1154 [45-7/16]	325 [12-13/16]	525 [20-11/16]	130 [5-2/16]
PEFY-M24NMAU-A	643 [25-6/16]	1154 [45-7/16]	325 [12-13/16]	525 [20-11/16]	130 [5-2/16]
PEFY-M27NMAU-A	643 [25-6/16]	1154 [45-7/16]	325 [12-13/16]	525 [20-11/16]	130 [5-2/16]
PEFY-M30NMAU-A	643 [25-6/16]	1454 [57-4/16]	330 [13]	675 [26-10/16]	130 [5-2/16]
PEFY-M36NMAU-A	643 [25-6/16]	1454 [57-4/16]	330 [13]	675 [26-10/16]	130 [5-2/16]
PEFY-M48NMAU-A	643 [25-6/16]	1454 [57-4/16]	330 [13]	675 [26-10/16]	130 [5-2/16]
PEFY-M54NMAU-A	643 [25-6/16]	1654 [65-2/16]	332 [13-2/16]	725 [28-9/16]	130 [5-2/16]

PEFY-M-NMAU-A

NOTE 1 Symbols used in wiring diagram are

				Connector, Ⓢ: Terminal,
----	----	----	----	(Heavy dotted line): Field wiring.

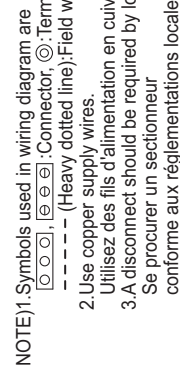
2 Use copper supply wires.

3 A disconnect should be required by local code. Se procurer un sectionneur conforme aux réglementations locales.

(NOTE) 1. Symbols used in wiring diagram are
 Terminal;  Connector;  Terminals;  Field wiring (Heavy dotted line);  Copper supply wires.

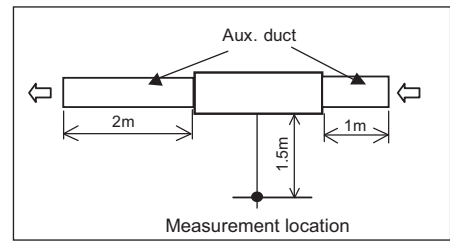
2. Use copper supply wires.
 Utilisez des fils d'alimentation en cuivre.

3. A disconnect should be required by the local code.
 Se procurer un sectionneur conforme aux réglementations locales.



SYMBOL		NAME		SYMBOL		NAME		SYMBOL		NAME	
I.B.		INDOOR CONTROLLER BOARD		I.B.		INDOOR CONTROLLER BOARD		INDOOR CONTROLLER BOARD		INDOOR CONTROLLER BOARD	
SA011		ARRESTOR		SW1		SW1		SW1		SW1	
F1		FUSE AC250V 6.3A (TP) M-BL8404		SW2		SW2		SW2		SW2	
ZNR1.02.03		VARIABLE		SW3		SW3		SW3		SW3	
X10		AUX RELAY		SW4		SW4		SW4		SW4	
CN22		CONNECTOR (PAIN CONTROL)		SW11		SW11		SW11		SW11	
CN24		CONNECTOR (HEATER CONTROL 1ST)		SW12		SW12		SW12		SW12	
CN24A		CONNECTOR (HEATER CONTROL 2ND)		SW14		SW14		SW14		SW14	
CN27		CONNECTOR (DAMPER)		SW21		SW21		SW21		SW21	
CN32		CONNECTOR (REMOTE SWITCH)		SW22		SW22		SW22		SW22	
CN51		CONNECTOR (CENTRALITY CONTROL)		SW23		SW23		SW23		SW23	
CN52		CONNECTOR (REMOTE INDICATION)		LED1		LED1		LED1		LED1	
CN90		CONNECTOR (WIRELESS)		LED2		LED2		LED2		LED2	
CN105		CONNECTOR (I.T. TERMINAL)									

5-1. Sound levels



* Measured in anechoic room.

Sound level at anechoic room: Low-Mid-High

Model	Sound level dB (A)				
	35Pa	50Pa	70Pa	100Pa	150Pa
PEFY-M06NMAU-A	22-26-29	24-28-30	26-30-34	28-32-36	32-36-40
PEFY-M08NMAU-A	22-26-29	24-28-30	26-30-34	28-32-36	32-36-40
PEFY-M12NMAU-A	26-29-32	26-30-34	28-32-36	29-33-37	32-36-40
PEFY-M15NMAU-A	25-29-32	27-31-34	28-32-36	30-34-38	34-38-42
PEFY-M18NMAU-A	31-35-39	31-35-39	32-37-40	34-38-42	37-41-45
PEFY-M24NMAU-A	31-35-39	31-35-39	32-37-40	34-38-42	37-41-45
PEFY-M27NMAU-A	31-35-39	31-35-39	32-37-40	34-38-42	37-41-45
PEFY-M30NMAU-A	34-39-42	35-39-43	36-40-44	38-42-46	41-45-49
PEFY-M36NMAU-A	34-39-42	35-39-43	36-40-44	38-42-46	41-45-49
PEFY-M48NMAU-A	35-39-43	35-40-44	37-41-45	38-42-46	40-44-48
PEFY-M54NMAU-A	33-37-41	34-38-42	35-39-43	37-41-45	39-43-47

PEFY-M-NMAU-A

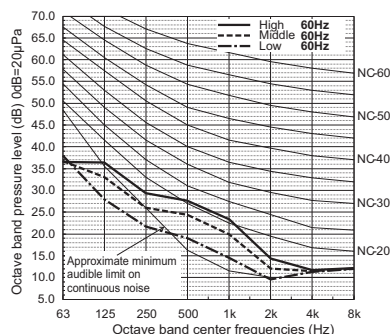
5-2. NC curves

PEFY-M-NMAU-A

PEFY-M06,08NMAU-A

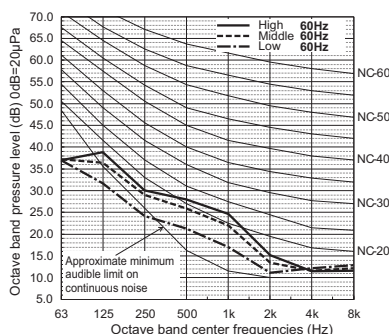
External Static Pressure: 35Pa [0.14in.WG]

Power Source: 208-230V(60Hz)

**PEFY-M06,08NMAU-A**

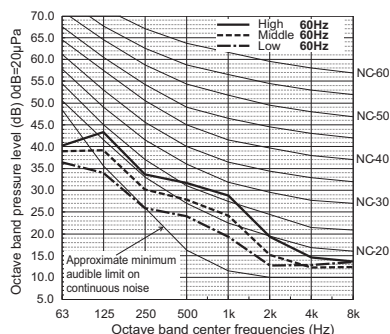
External Static Pressure: 50Pa [0.20in.WG]

Power Source: 208-230V(60Hz)

**PEFY-M06,08NMAU-A**

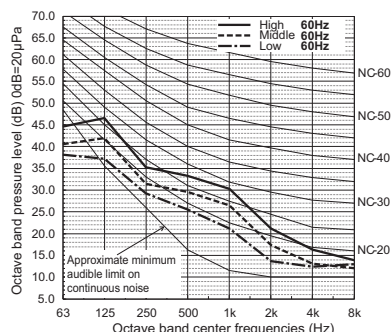
External Static Pressure: 70Pa [0.28in.WG]

Power Source: 208-230V(60Hz)

**PEFY-M06,08NMAU-A**

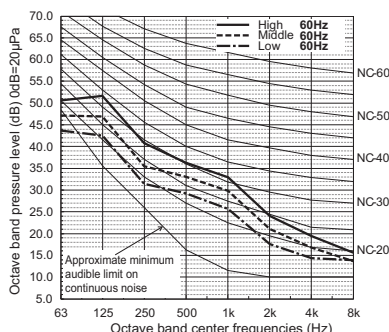
External Static Pressure: 100Pa [0.40in.WG]

Power Source: 208-230V(60Hz)

**PEFY-M06,08NMAU-A**

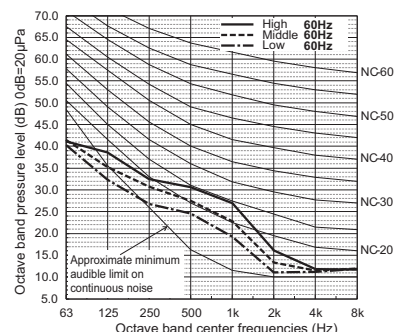
External Static Pressure: 150Pa [0.60in.WG]

Power Source: 208-230V(60Hz)

**PEFY-M12NMAU-A**

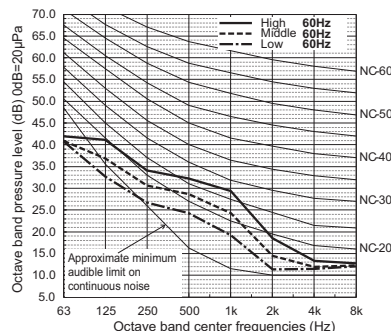
External Static Pressure: 35Pa [0.14in.WG]

Power Source: 208-230V(60Hz)

**PEFY-M12NMAU-A**

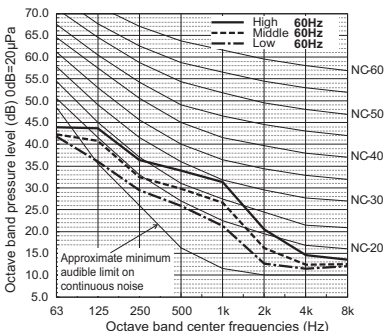
External Static Pressure: 50Pa [0.20in.WG]

Power Source: 208-230V(60Hz)

**PEFY-M12NMAU-A**

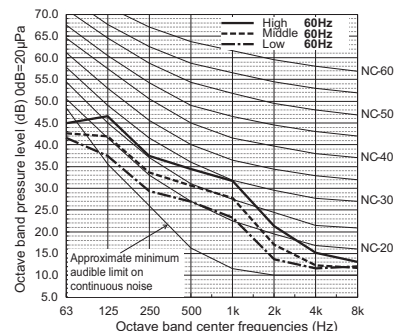
External Static Pressure: 70Pa [0.28in.WG]

Power Source: 208-230V(60Hz)

**PEFY-M12NMAU-A**

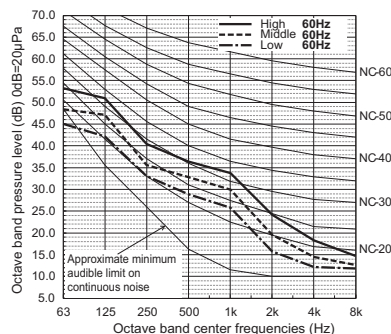
External Static Pressure: 100Pa [0.40in.WG]

Power Source: 208-230V(60Hz)

**PEFY-M12NMAU-A**

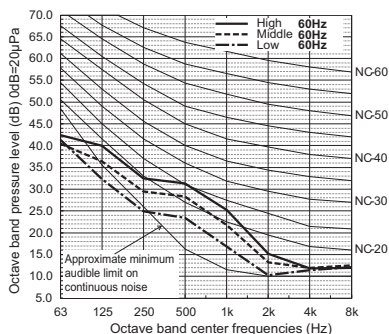
External Static Pressure: 150Pa [0.60in.WG]

Power Source: 208-230V(60Hz)

**PEFY-M15NMAU-A**

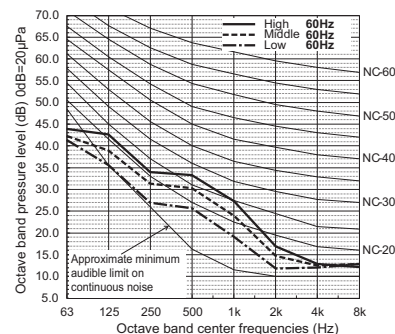
External Static Pressure: 35Pa [0.14in.WG]

Power Source: 208-230V(60Hz)

**PEFY-M15NMAU-A**

External Static Pressure: 50Pa [0.20in.WG]

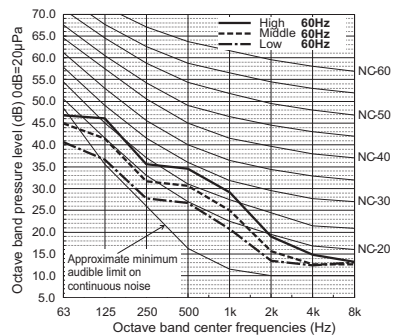
Power Source: 208-230V(60Hz)



PEFY-M15NMAU-A

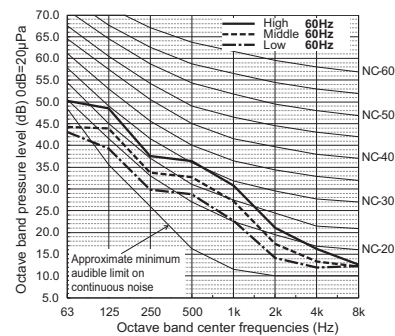
External Static Pressure: 70Pa [0.28in.WG]

Power Source: 208-230V(60Hz)

**PEFY-M15NMAU-A**

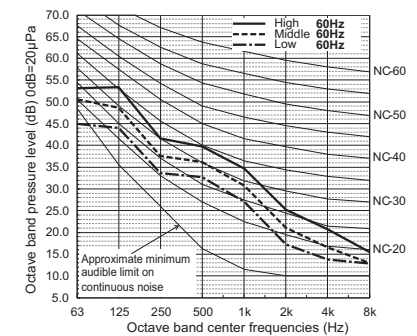
External Static Pressure: 100Pa [0.40in.WG]

Power Source: 208-230V(60Hz)

**PEFY-M15NMAU-A**

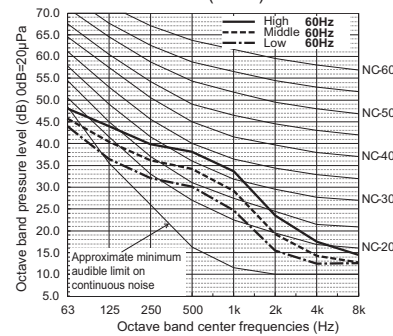
External Static Pressure: 150Pa [0.60in.WG]

Power Source: 208-230V(60Hz)

**PEFY-M18,24,27NMAU-A**

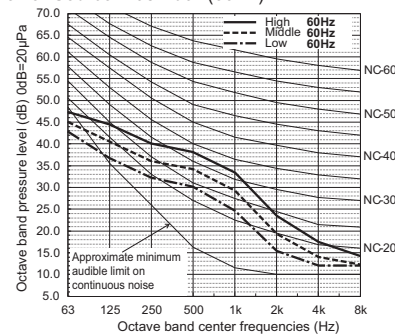
External Static Pressure: 35Pa [0.14in.WG]

Power Source: 208-230V(60Hz)

**PEFY-M18,24,27NMAU-A**

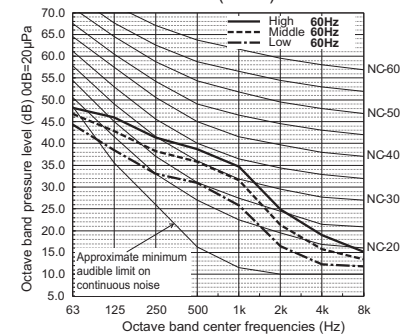
External Static Pressure: 50Pa [0.20in.WG]

Power Source: 208-230V(60Hz)

**PEFY-M18,24,27NMAU-A**

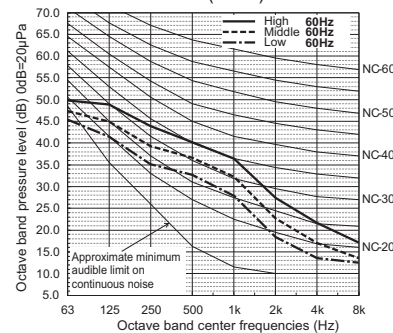
External Static Pressure: 70Pa [0.28in.WG]

Power Source: 208-230V(60Hz)

**PEFY-M18,24,27NMAU-A**

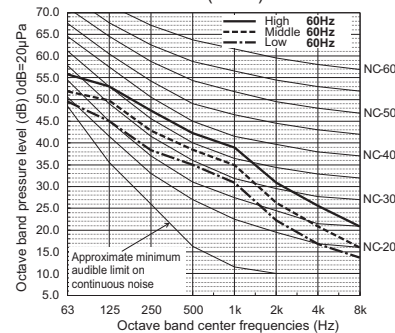
External Static Pressure: 100Pa [0.40in.WG]

Power Source: 208-230V(60Hz)

**PEFY-M18,24,27NMAU-A**

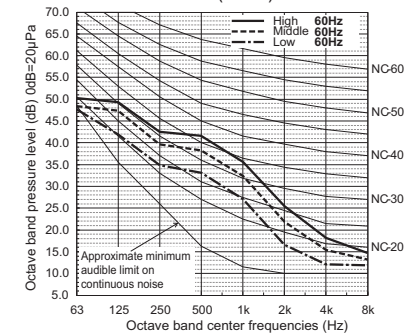
External Static Pressure: 150Pa [0.60in.WG]

Power Source: 208-230V(60Hz)

**PEFY-M30,36NMAU-A**

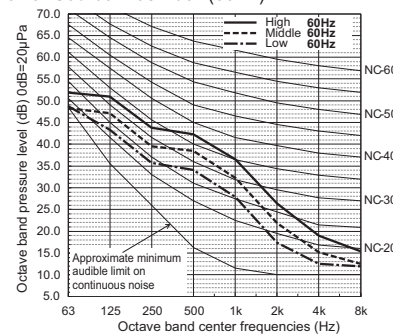
External Static Pressure: 35Pa [0.14in.WG]

Power Source: 208-230V(60Hz)

**PEFY-M30,36NMAU-A**

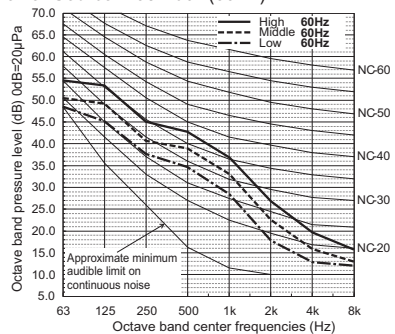
External Static Pressure: 50Pa [0.20in.WG]

Power Source: 208-230V(60Hz)

**PEFY-M30,36NMAU-A**

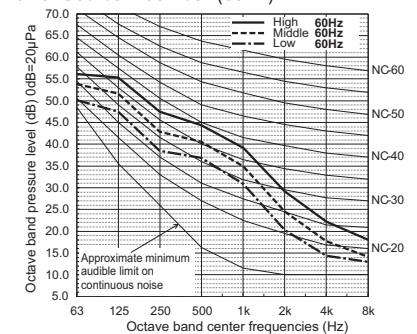
External Static Pressure: 70Pa [0.28in.WG]

Power Source: 208-230V(60Hz)

**PEFY-M30,36NMAU-A**

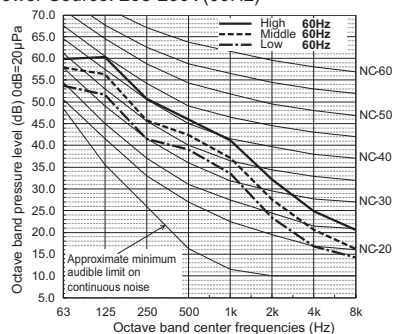
External Static Pressure: 100Pa [0.40in.WG]

Power Source: 208-230V(60Hz)

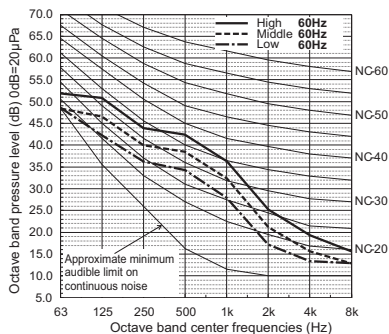


PEFY-M30,36NMAU-A

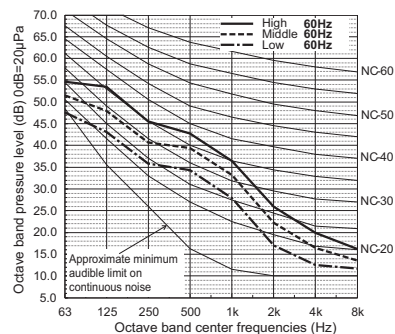
External Static Pressure: 150Pa [0.60in.WG]
Power Source: 208-230V(60Hz)

**PEFY-M48NMAU-A**

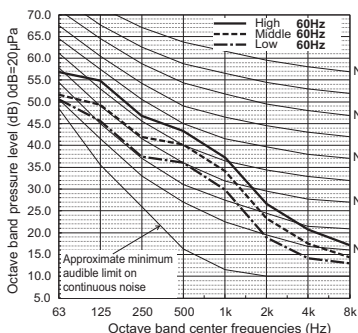
External Static Pressure: 35Pa [0.14in.WG]
Power Source: 208-230V(60Hz)

**PEFY-M48NMAU-A**

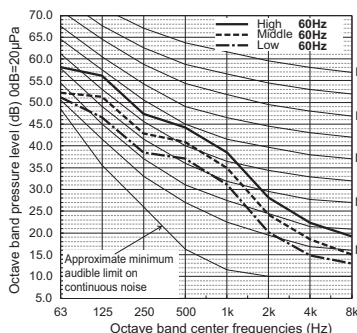
External Static Pressure: 50Pa [0.20in.WG]
Power Source: 208-230V(60Hz)

**PEFY-M48NMAU-A**

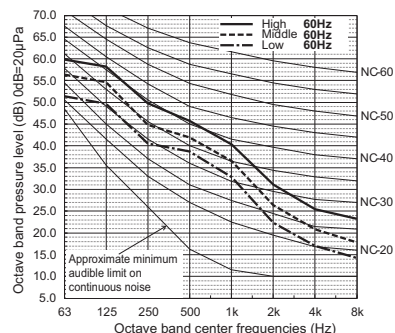
External Static Pressure: 70Pa [0.28in.WG]
Power Source: 208-230V(60Hz)

**PEFY-M48NMAU-A**

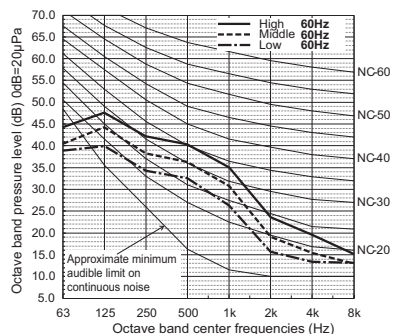
External Static Pressure: 100Pa [0.40in.WG]
Power Source: 208-230V(60Hz)

**PEFY-M48NMAU-A**

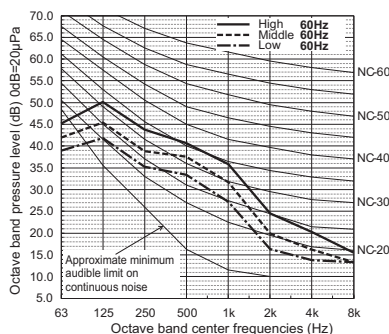
External Static Pressure: 150Pa [0.60in.WG]
Power Source: 208-230V(60Hz)

**PEFY-M54NMAU-A**

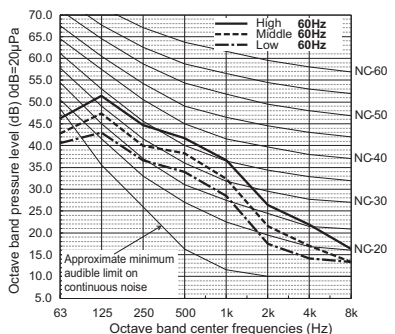
External Static Pressure: 35Pa [0.14in.WG]
Power Source: 208-230V(60Hz)

**PEFY-M54NMAU-A**

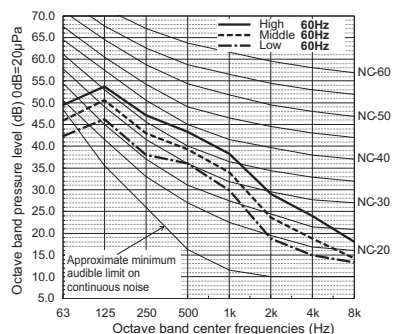
External Static Pressure: 50Pa [0.20in.WG]
Power Source: 208-230V(60Hz)

**PEFY-M54NMAU-A**

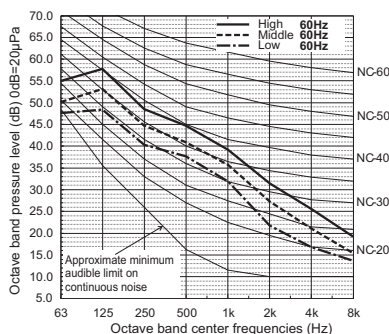
External Static Pressure: 70Pa [0.28in.WG]
Power Source: 208-230V(60Hz)

**PEFY-M54NMAU-A**

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

**PEFY-M54NMAU-A**

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



6. FAN CHARACTERISTICS CURVES

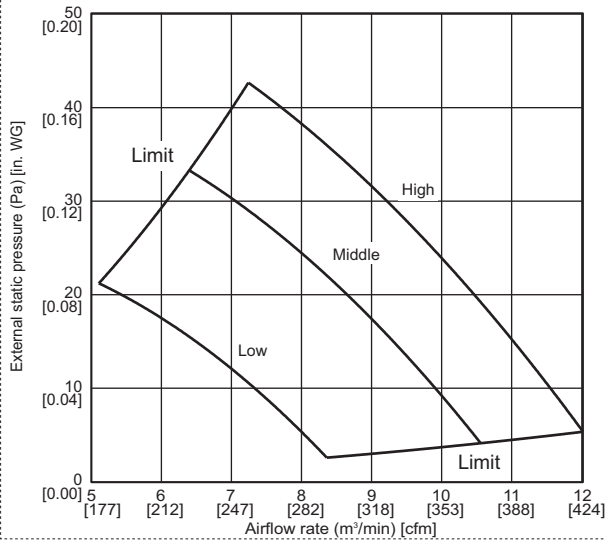
Ceiling concealed (Medium static pressure type)

PEFY-M-NMAU-A

PEFY-M06, 08NMAU-A

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

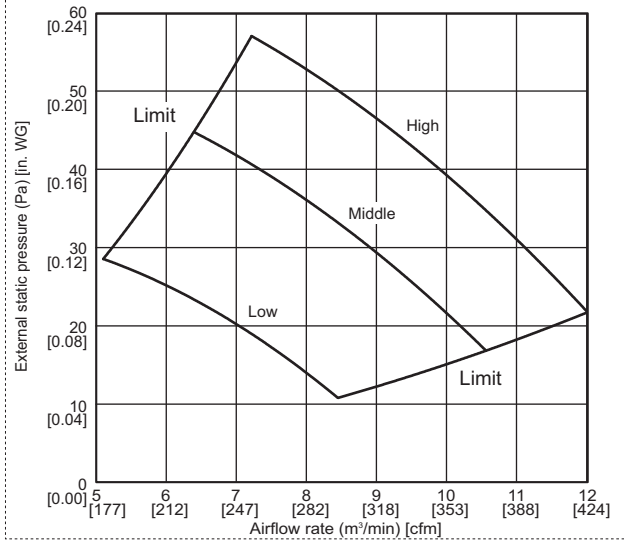
Power source : 208-230V



PEFY-M06, 08NMAU-A

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

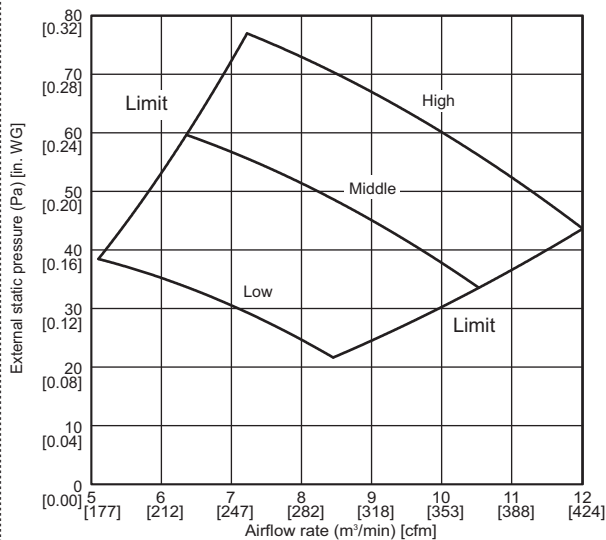
Power source : 208-230V



PEFY-M06, 08NMAU-A

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

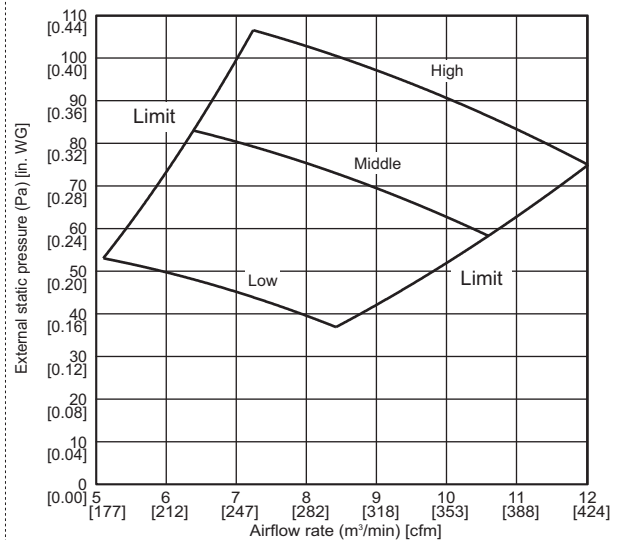
Power source : 208-230V



PEFY-M06, 08NMAU-A

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

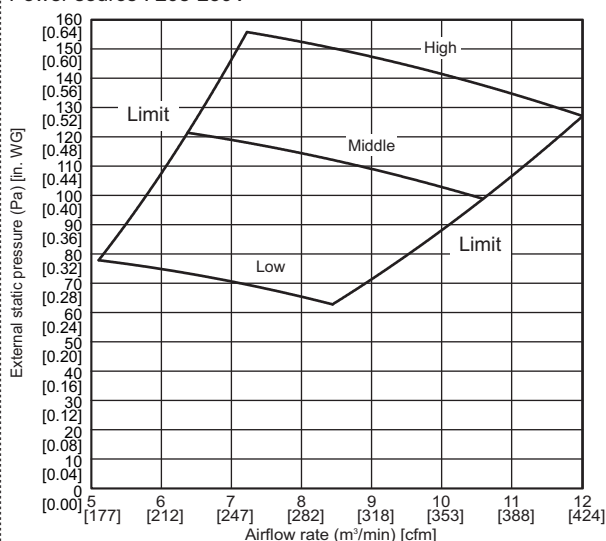
Power source : 208-230V



PEFY-M06, 08NMAU-A

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

Power source : 208-230V



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

6. FAN CHARACTERISTICS CURVES

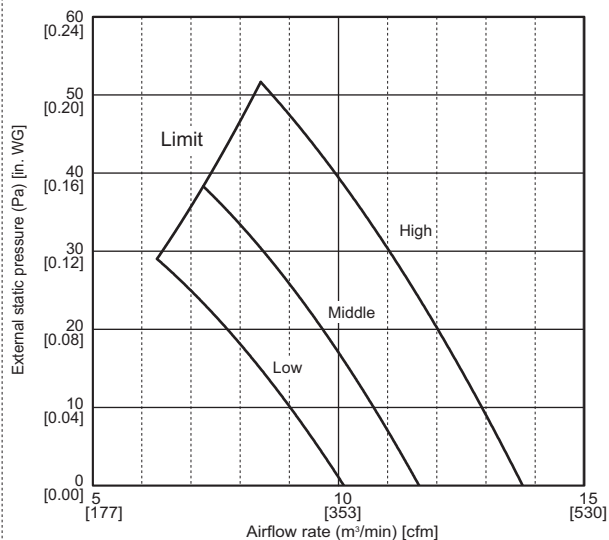
Ceiling concealed (Medium static pressure type)

PEFY-M-NMAU-A

PEFY-M12NMAU-A

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

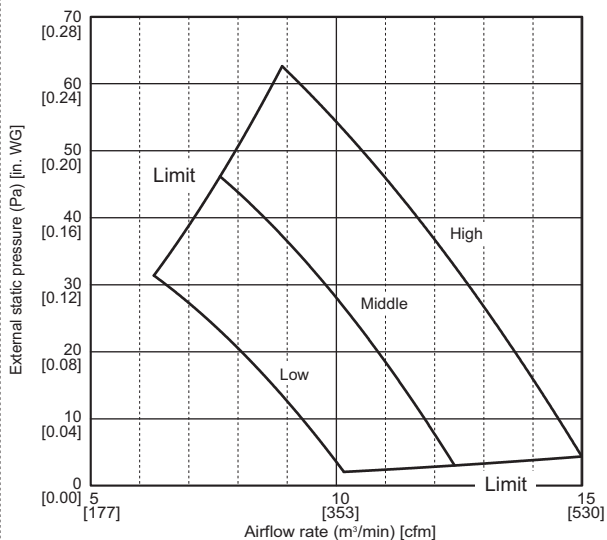
Power source : 208-230V



PEFY-M12NMAU-A

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

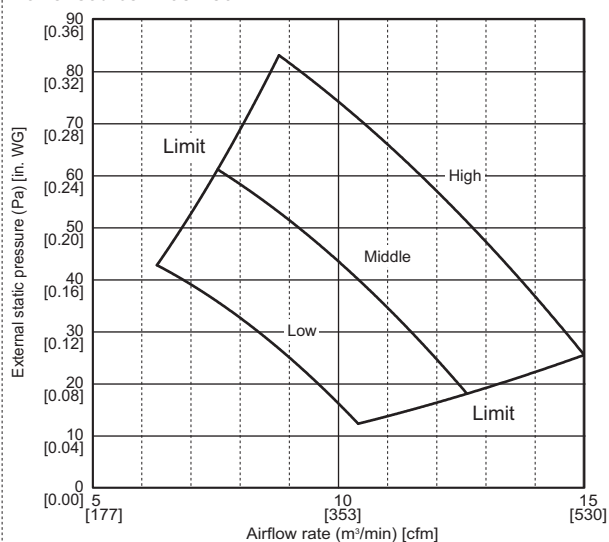
Power source : 208-230V



PEFY-M12NMAU-A

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

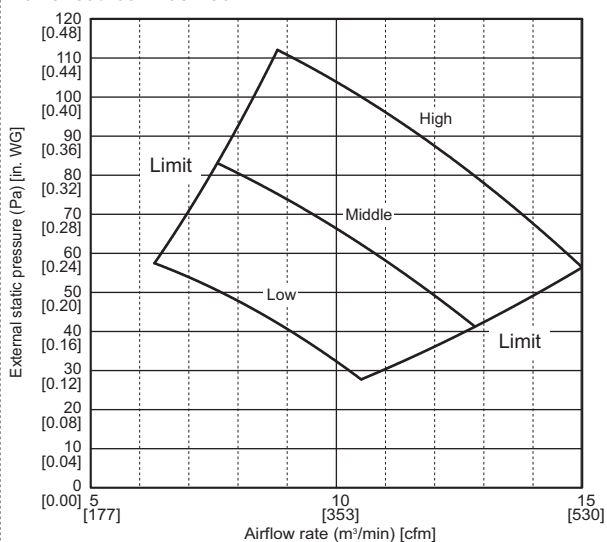
Power source : 208-230V



PEFY-M12NMAU-A

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

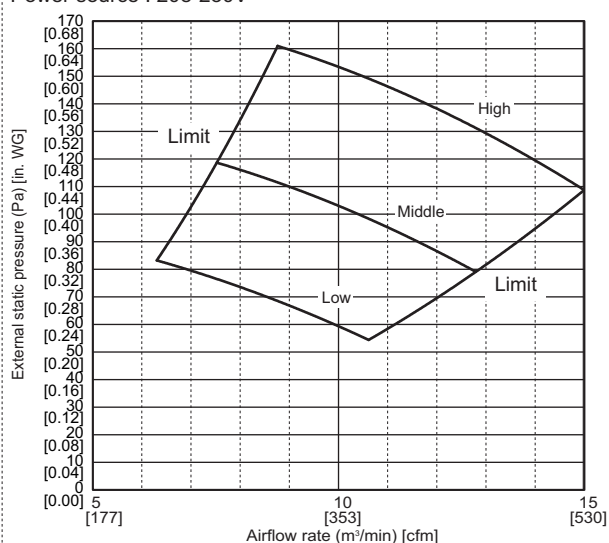
Power source : 208-230V



PEFY-M12NMAU-A

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

Power source : 208-230V



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

6. FAN CHARACTERISTICS CURVES

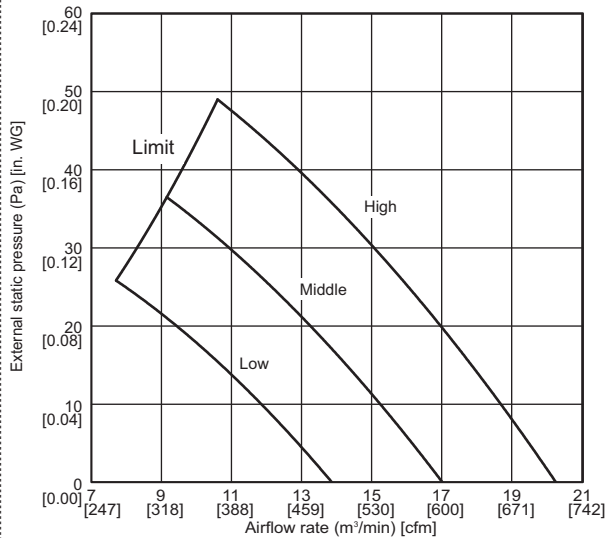
Ceiling concealed (Medium static pressure type)

PEFY-M-NMAU-A

PEFY-M15NMAU-A

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

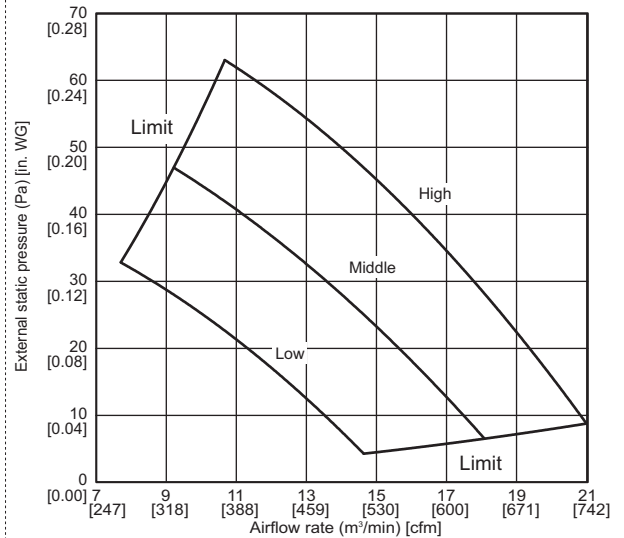
Power source : 208-230V



PEFY-M15NMAU-A

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

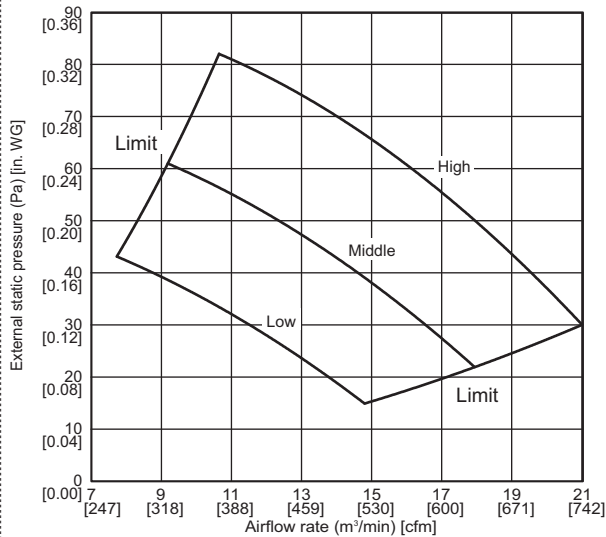
Power source : 208-230V



PEFY-M15NMAU-A

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

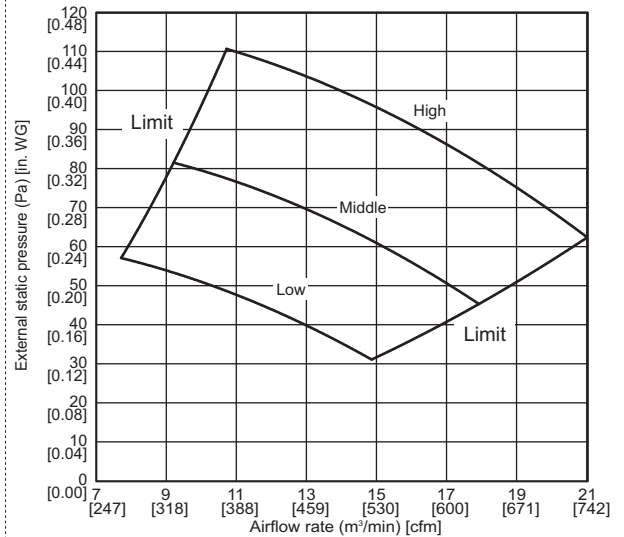
Power source : 208-230V



PEFY-M15NMAU-A

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

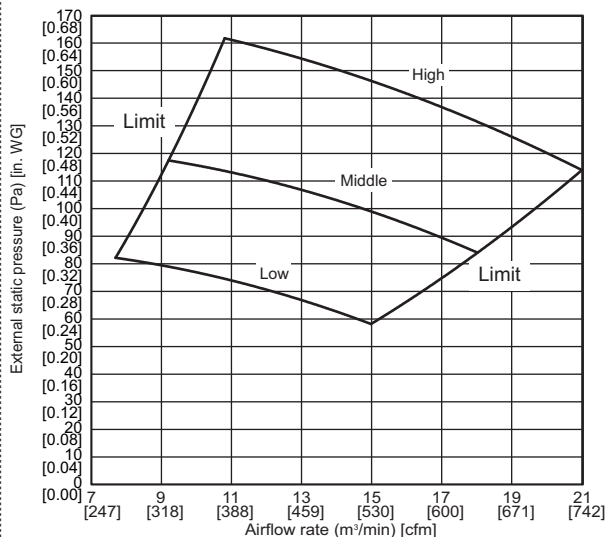
Power source : 208-230V



PEFY-M15NMAU-A

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

Power source : 208-230V



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

6. FAN CHARACTERISTICS CURVES

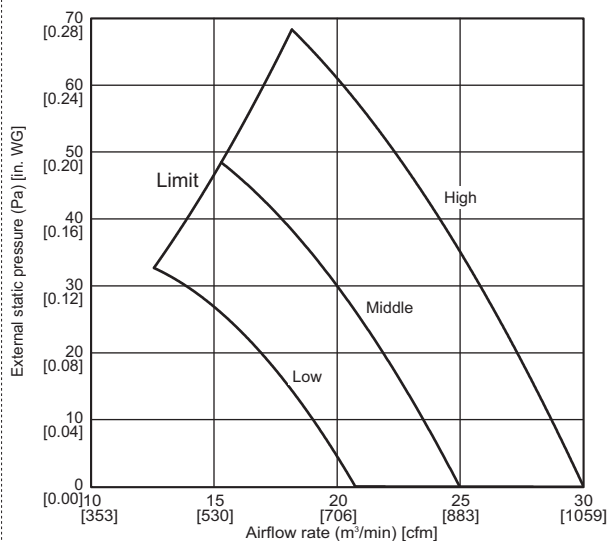
Ceiling concealed (Medium static pressure type)

PEFY-M-NMAU-A

PEFY-M18, 24, 27NMAU-A

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

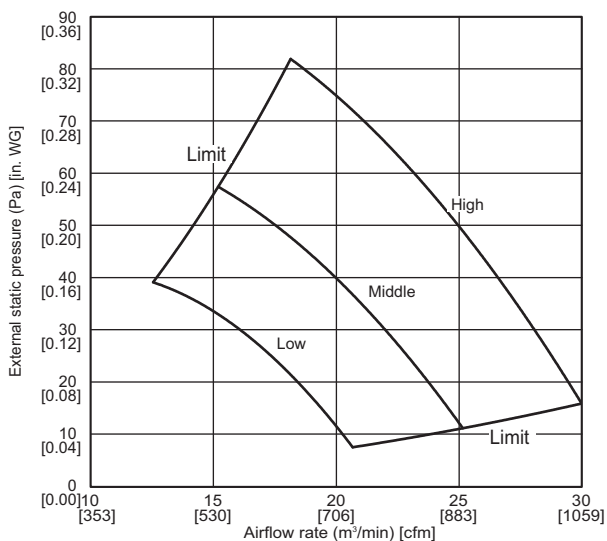
Power source : 208-230V



PEFY-M18, 24, 27NMAU-A

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

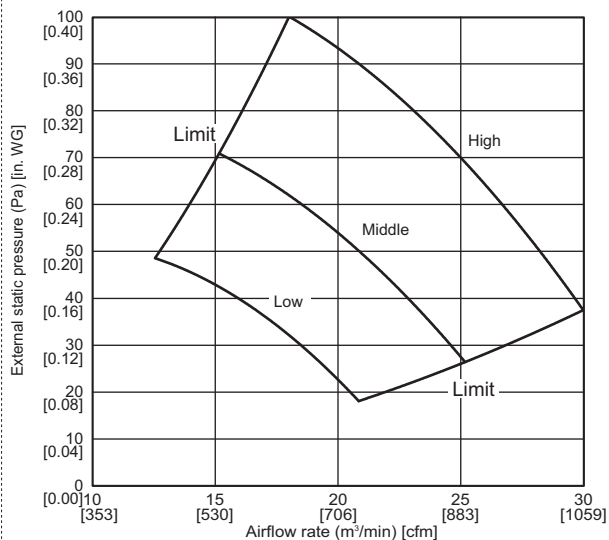
Power source : 208-230V



PEFY-M18, 24, 27NMAU-A

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

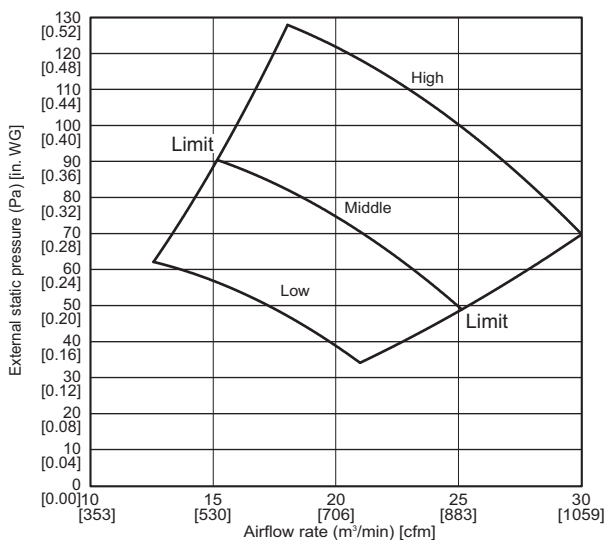
Power source : 208-230V



PEFY-M18, 24, 27NMAU-A

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

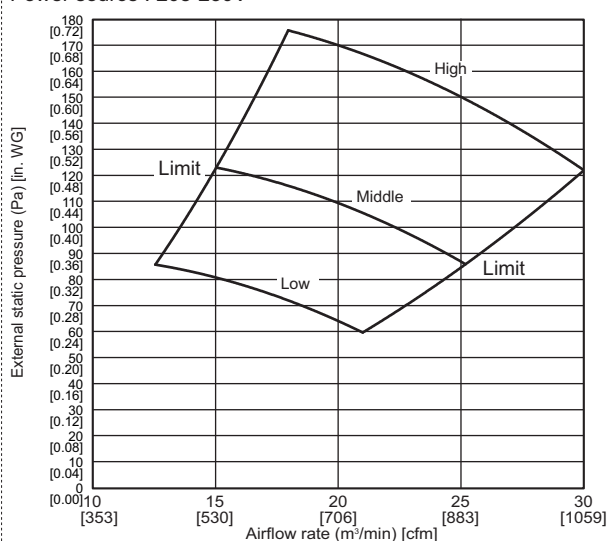
Power source : 208-230V



PEFY-M18, 24, 27NMAU-A

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

Power source : 208-230V



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

6. FAN CHARACTERISTICS CURVES

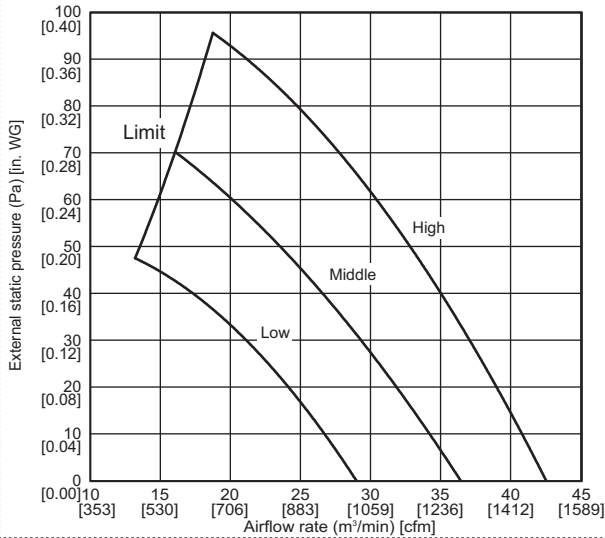
Ceiling concealed (Medium static pressure type)

PEFY-M-NMAU-A

PEFY-M30, 36NMAU-A

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

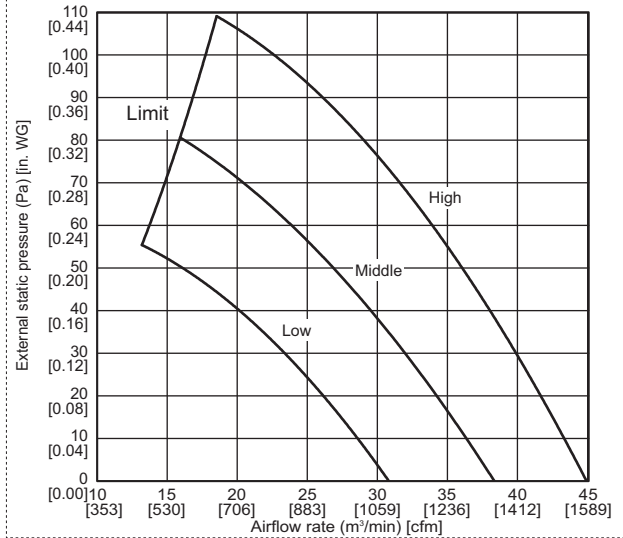
Power source : 208-230V



PEFY-M30, 36NMAU-A

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

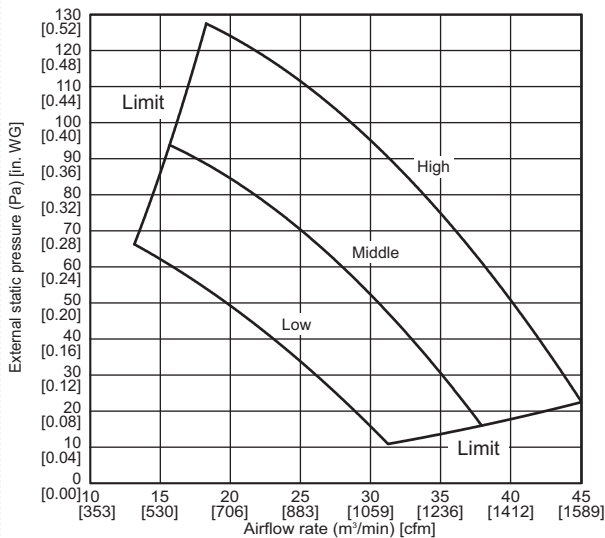
Power source : 208-230V



PEFY-M30, 36NMAU-A

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

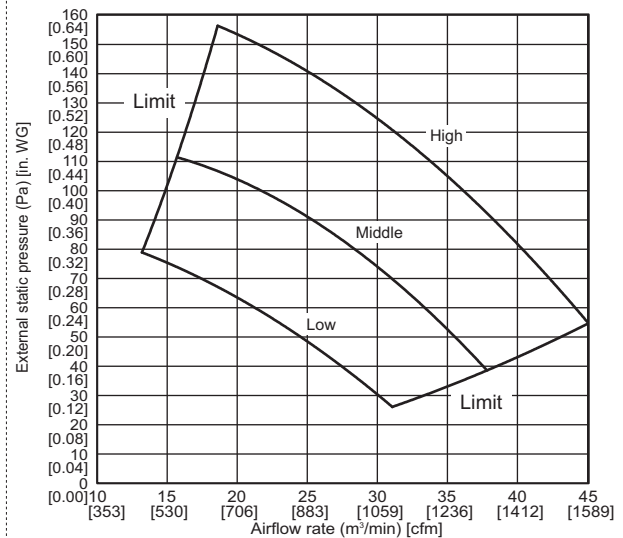
Power source : 208-230V



PEFY-M30, 36NMAU-A

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

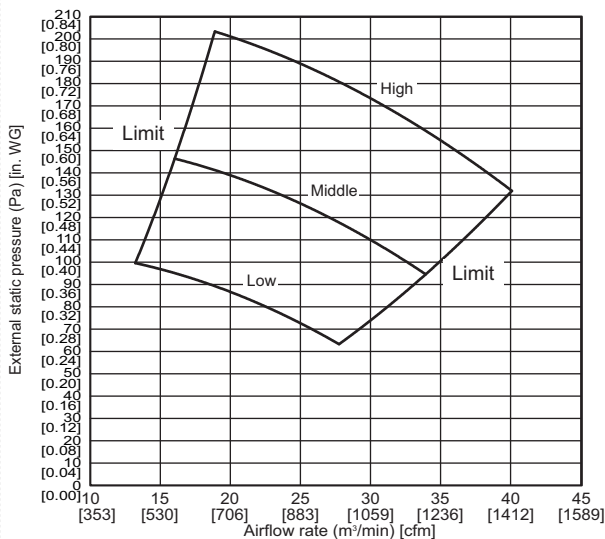
Power source : 208-230V



PEFY-M30, 36NMAU-A

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

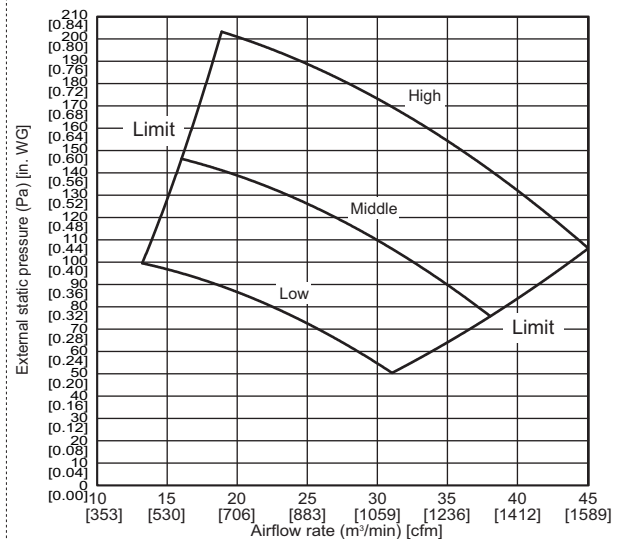
Power source : 208V



PEFY-M30, 36NMAU-A

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

Power source : 230V



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

6. FAN CHARACTERISTICS CURVES

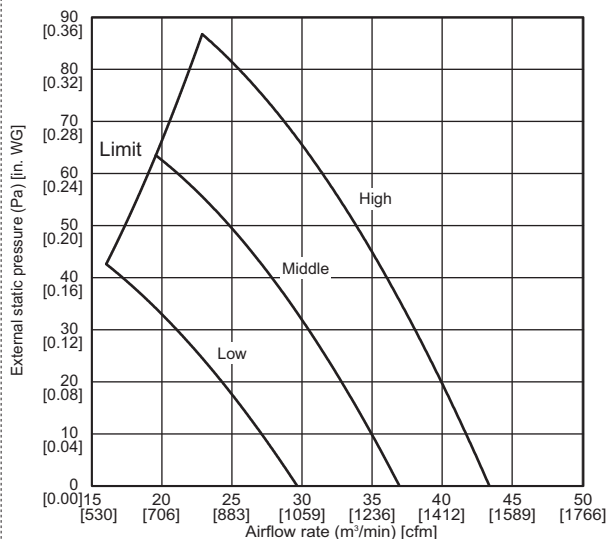
Ceiling concealed (Medium static pressure type)

PEFY-M-NMAU-A

PEFY-M48NMAU-A

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

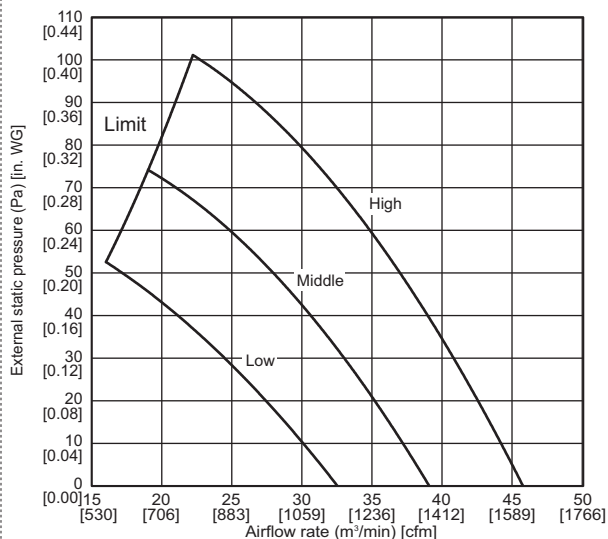
Power source : 208-230V



PEFY-M48NMAU-A

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

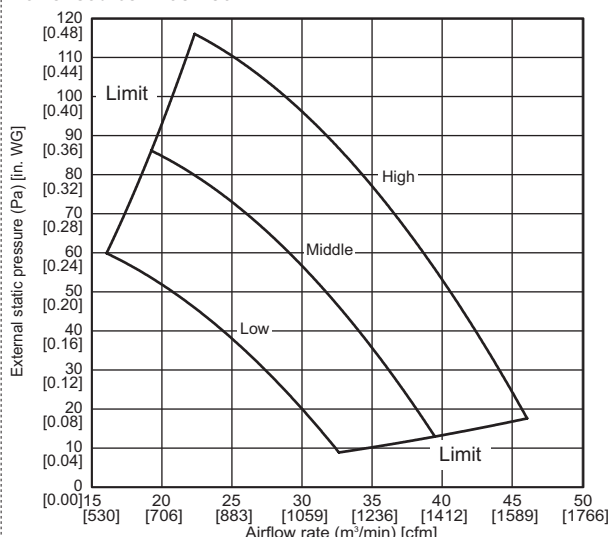
Power source : 208-230V



PEFY-M48NMAU-A

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

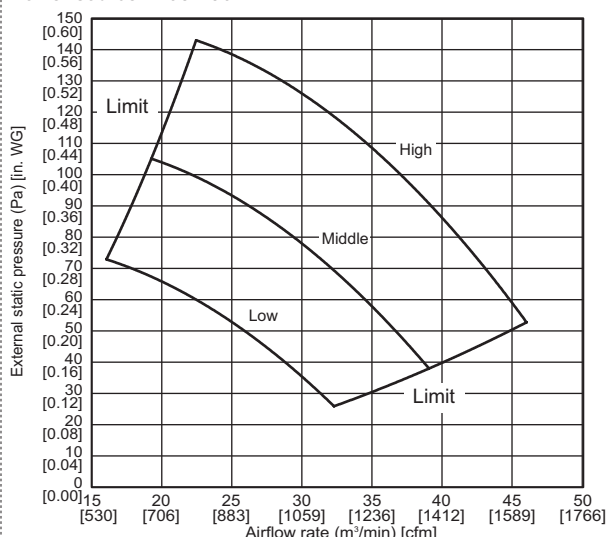
Power source : 208-230V



PEFY-M48NMAU-A

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

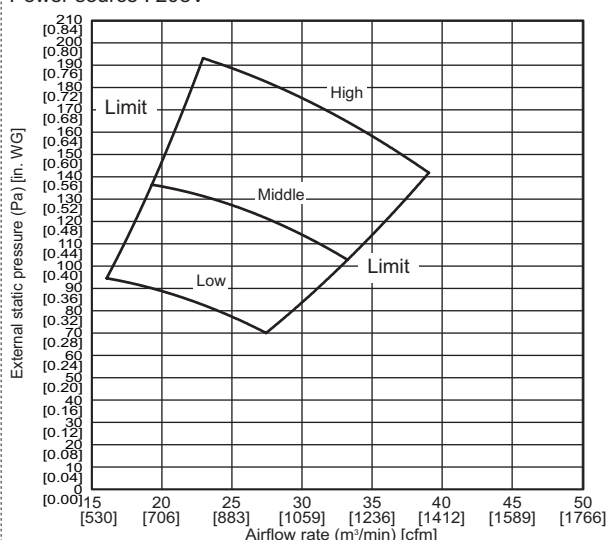
Power source : 208-230V



PEFY-M48NMAU-A

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

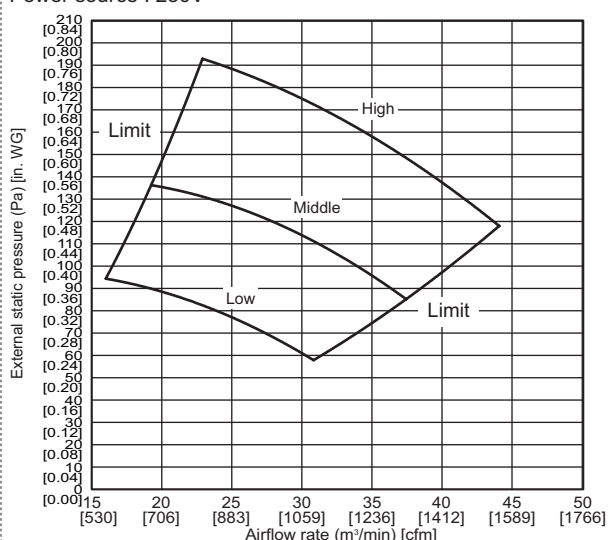
Power source : 208V



PEFY-M48NMAU-A

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

Power source : 230V



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

6. FAN CHARACTERISTICS CURVES

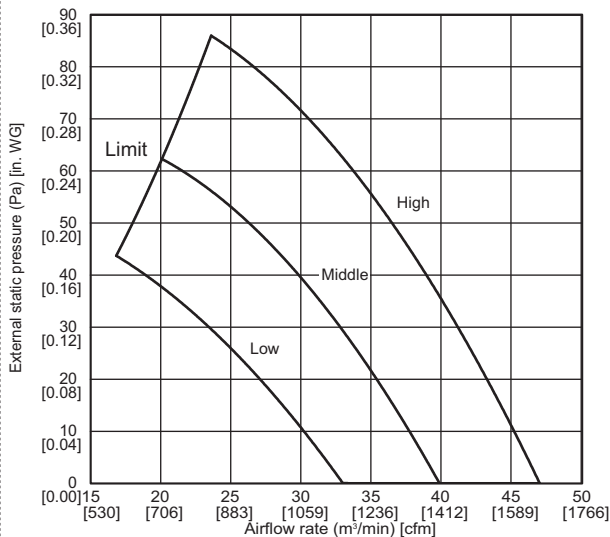
Ceiling concealed (Medium static pressure type)

PEFY-M-NMAU-A

PEFY-M54NMAU-A

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

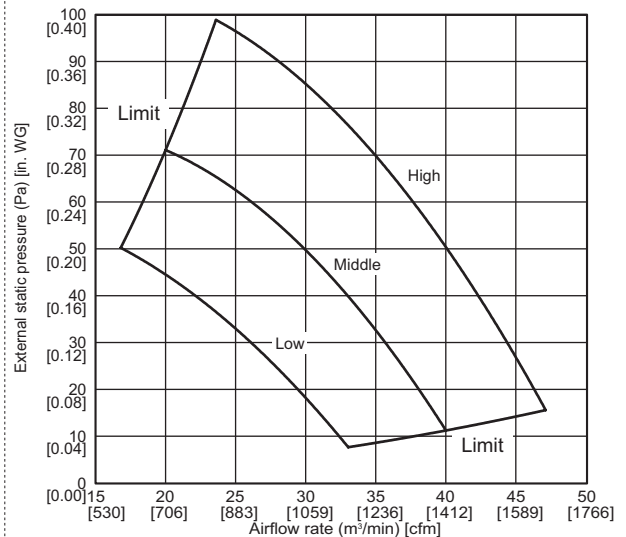
Power source : 208-230V



PEFY-M54NMAU-A

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

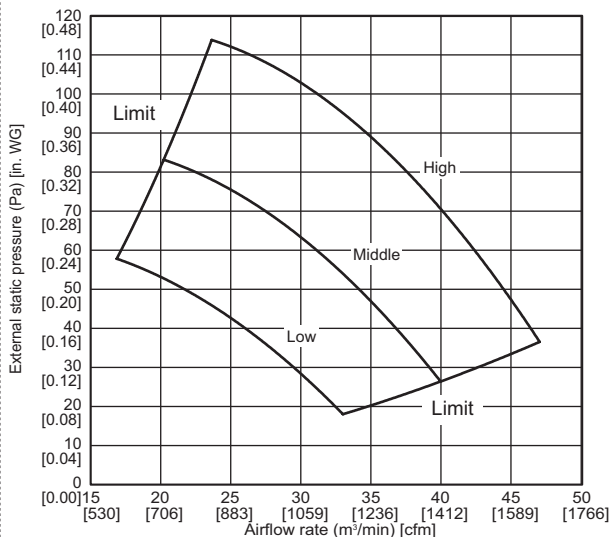
Power source : 208-230V



PEFY-M54NMAU-A

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

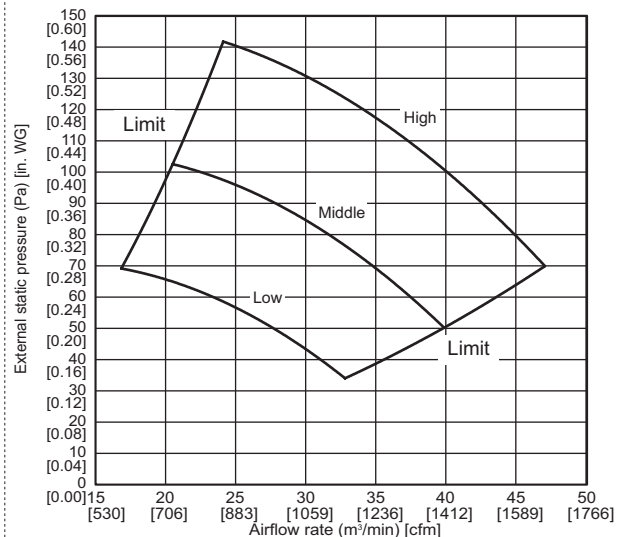
Power source : 208-230V



PEFY-M54NMAU-A

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

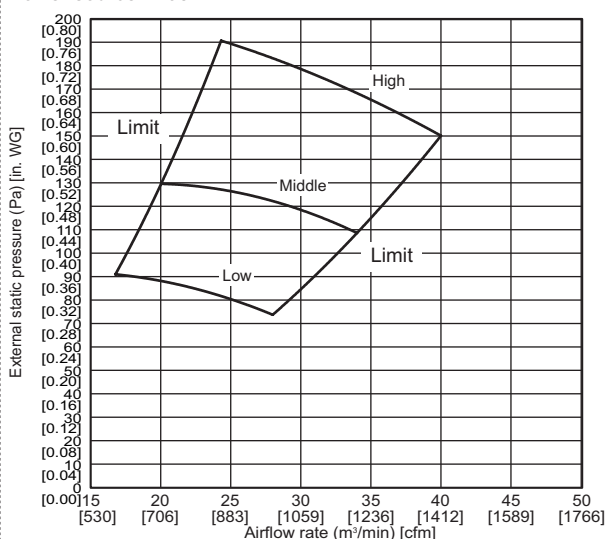
Power source : 208-230V



PEFY-M54NMAU-A

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

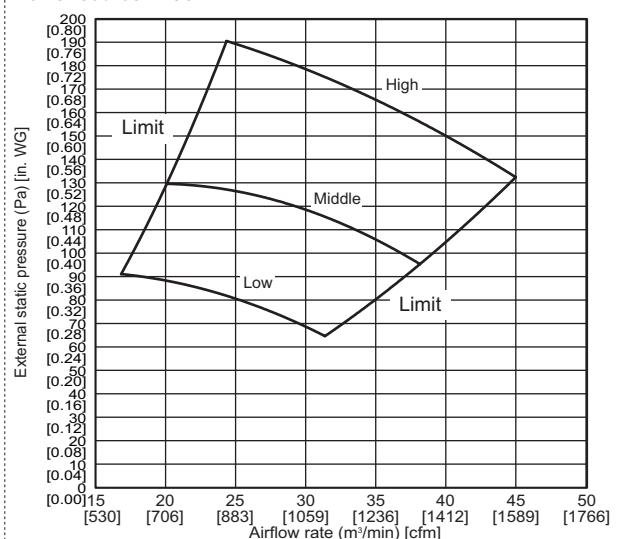
Power source : 208V



PEFY-M54NMAU-A

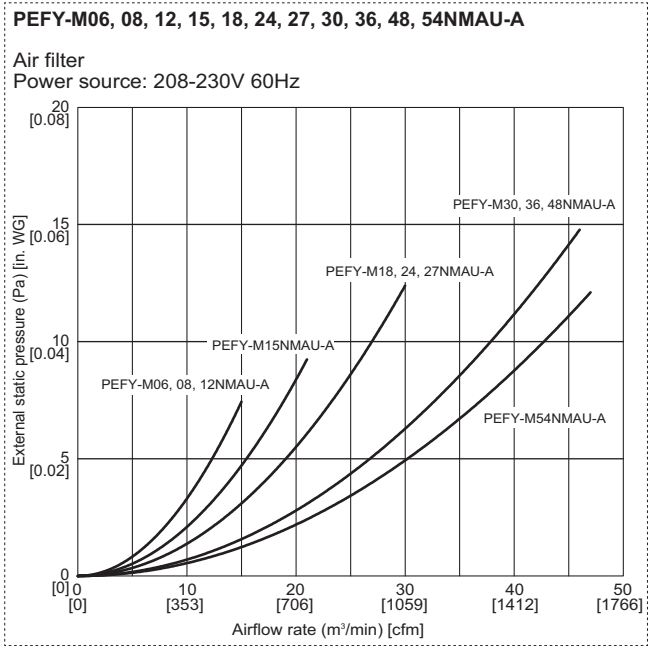
External static pressure : 150Pa [0.60in.WG]

Power source : 230V

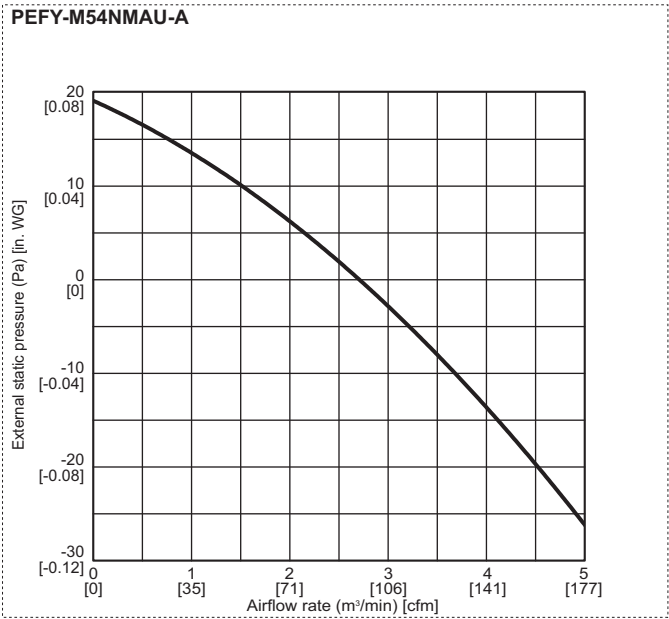
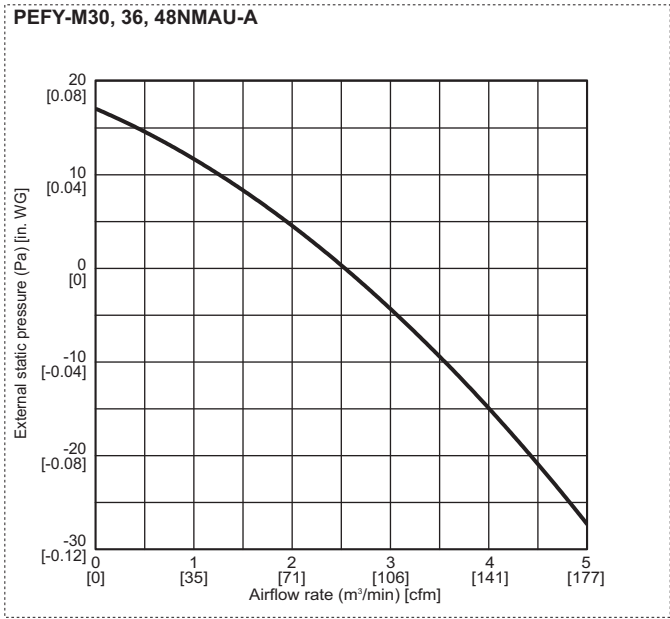
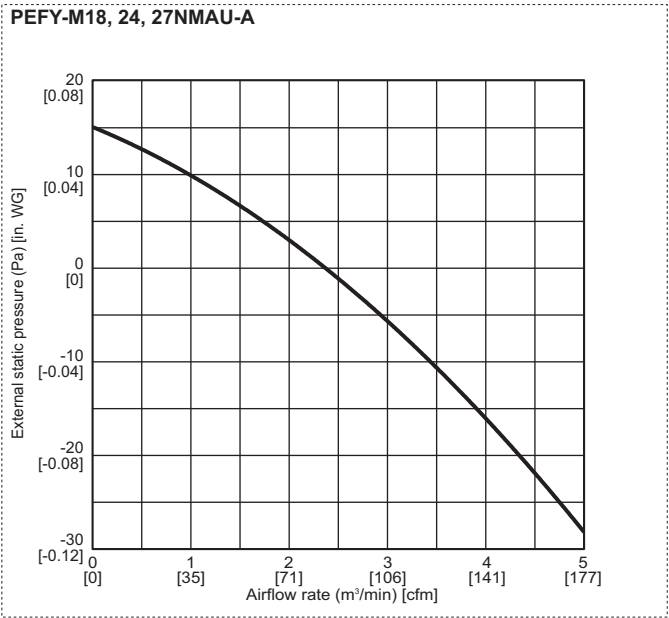
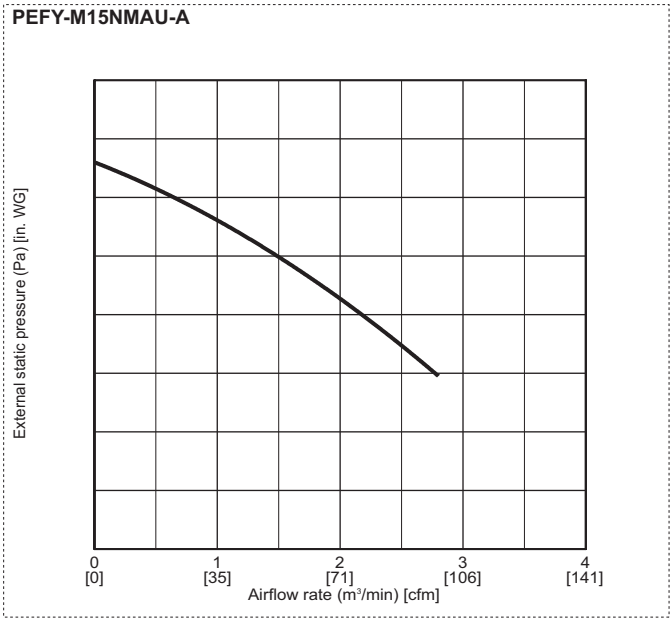
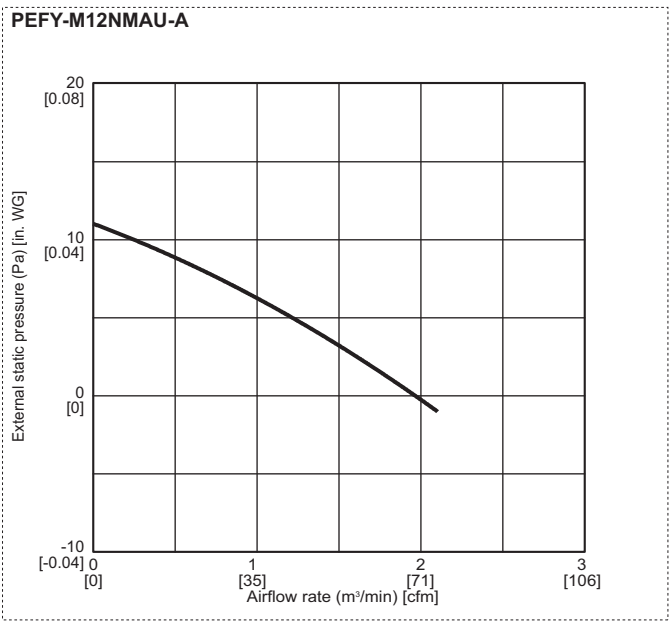
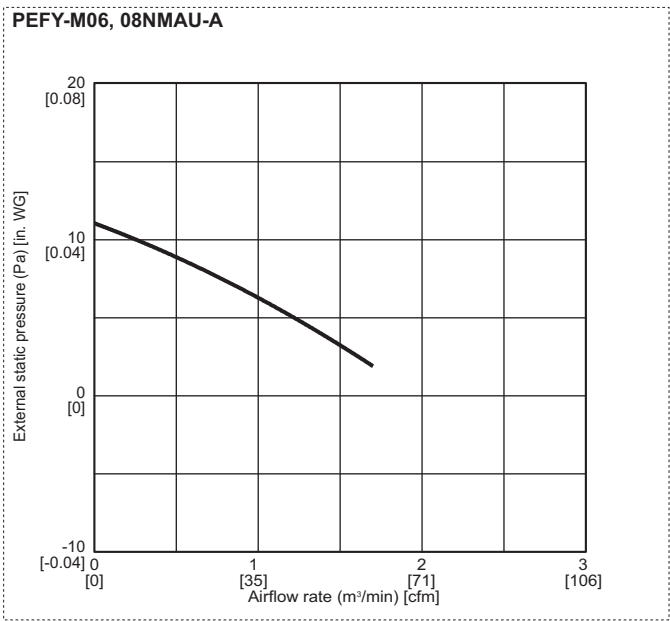


Note: Operate only within the operating range shown in the above fan characteristic curves.

Air filter static pressure cuves



PEFY-M-NMAU-A



PEFY-M-NMAU-A

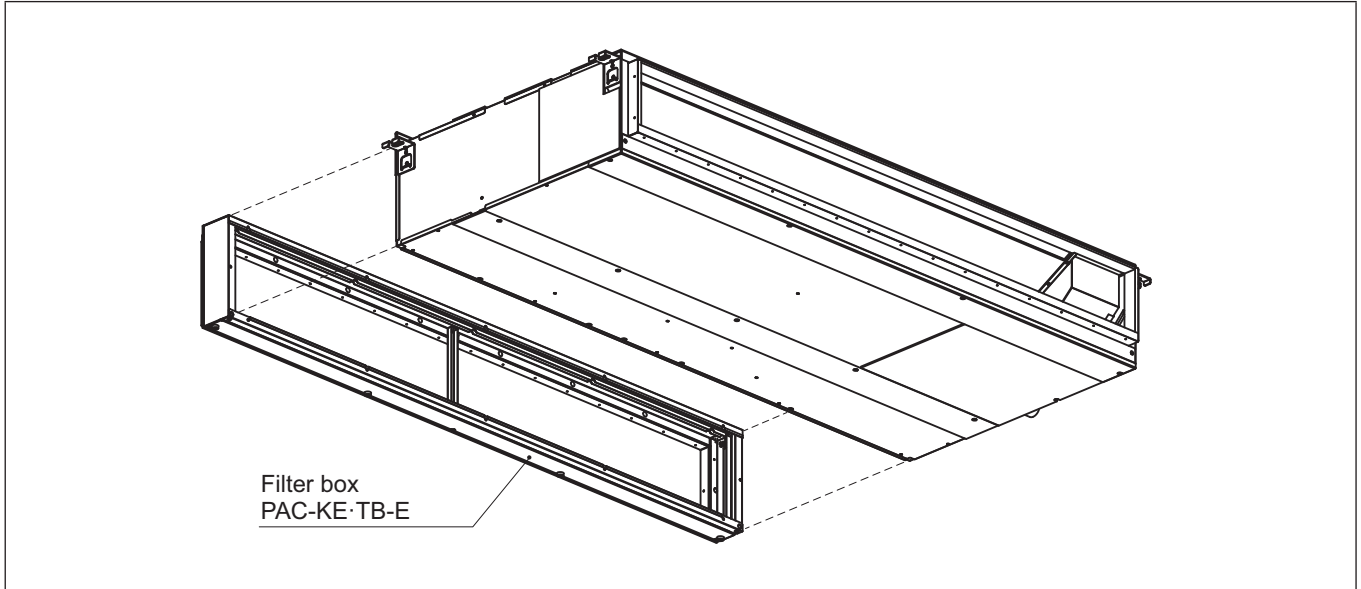
Symbols: MCA: Minimum Circuit Ampacity (= 1.25 x FLA) FLA: Full Load Amps
IFM: Indoor Fan Motor Output: Fan motor rated output

Model	Indoor Unit				IFM	
	Hz	Volts	Voltage range	MCA (A)	Output (kW)	FLA (A)
PEFY-M06NMAU-A	60Hz	208 / 230V	188 to 253V	1.75	0.085	1.40
PEFY-M08NMAU-A				1.75	0.085	1.40
PEFY-M12NMAU-A				1.88	0.085	1.50
PEFY-M15NMAU-A				2.50	0.121	2.00
PEFY-M18NMAU-A				2.50	0.121	2.00
PEFY-M24NMAU-A				2.50	0.121	2.00
PEFY-M27NMAU-A				2.50	0.121	2.00
PEFY-M30NMAU-A				3.13	0.300	2.50
PEFY-M36NMAU-A				3.13	0.300	2.50
PEFY-M48NMAU-A				3.38	0.300	2.70
PEFY-M54NMAU-A				3.38	0.300	2.70

9-1. Optional parts line up for the Indoor unit

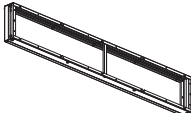
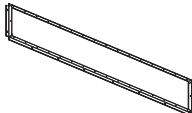
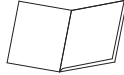
	Filter box	External heater adapter
PEFY-M06, 08, 12NMAU-A	PAC-KE91TB-E	PAC-YU25HT
PEFY-M15NMAU-A	PAC-KE92TB-E	PAC-YU25HT
PEFY-M18, 24, 27NMAU-A	PAC-KE93TB-E	PAC-YU25HT
PEFY-M30, 36, 48NMAU-A	PAC-KE94TB-E	PAC-YU25HT
PEFY-M54NMAU-A	PAC-KE95TB-E	PAC-YU25HT

● PEFY-M-NMAU-A



9-2. Filter box

PAC-KE-TB-E

Item	1 Screw	2 Filter box	3 FLANGE	4 Installation manual	
Quantity	PAC-KE91TB-E: 20 PAC-KE92, 93TB-E: 24 PAC-KE94, 95TB-E: 30	1	1	1	
Shape					

Detailed installation information should be referred to its Installation Manual.

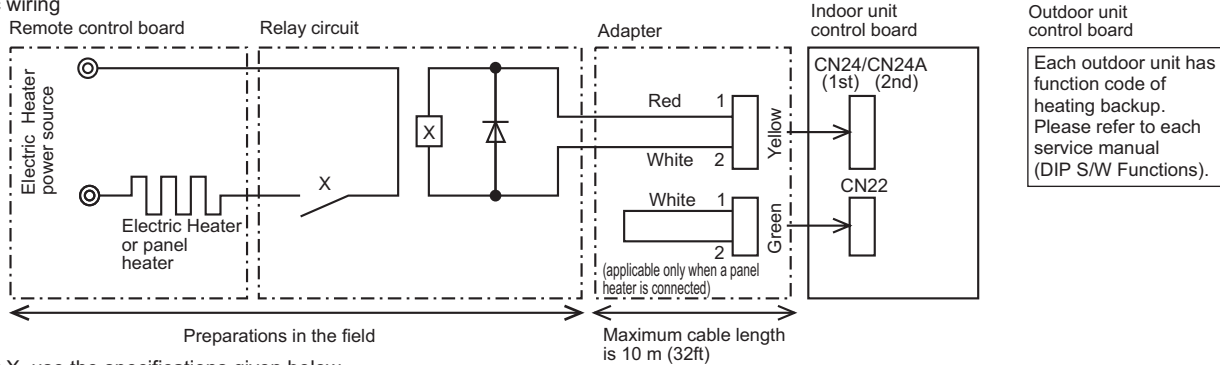
PEFY-M-NMAU-A

9-3. 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: 0.9W or less

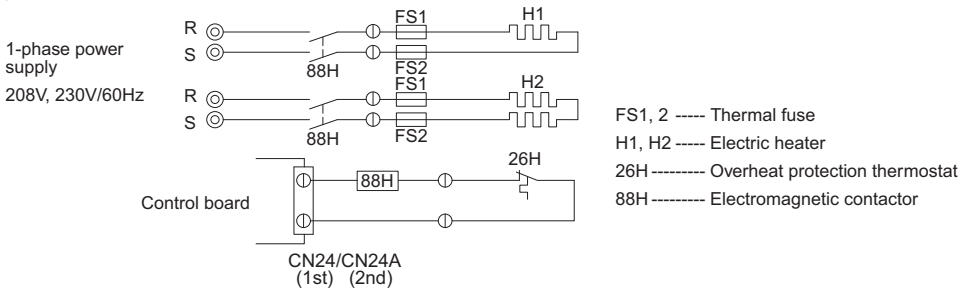
* Use the diode that is recommended by the relay manufacturer at both ends of the relay coil.

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			

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

⚠ Warning

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

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