

AIR CONDITIONING SYSTEMS

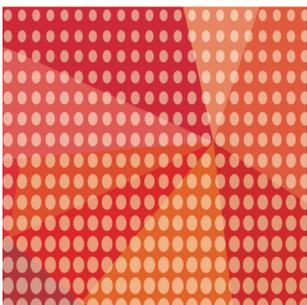
# CITY MULTI



## 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 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
m <sup>3</sup> /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				
<p>* Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual.</p> <p>* Due to continuing improvement, above specifications may be subject to change without notice.</p>				
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 <sup>3</sup> /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)

SPECIFICATIONS OF Air Conditioner (Ceiling-concealed TYPE)			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
	m <sup>3</sup> /min		6.0 - 7.5 - 8.5
	L/s		100 - 125 - 142
Sound pressure level (measured in anechoic room) *2			(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			
<p>* Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual.</p> <p>* Due to continuing improvement, above specifications may be subject to change without notice.</p>			
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 <sup>3</sup> /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	
	*1	kW	
	*2	Power input kW	
	*2	Current input A	
Heating capacity		13,500	
Cooling capacity	*3	BTU/h	
	*3	kW	
	*2	Power input kW	
	*2	Current input A	
External finish		Galvanized steel plate	
External dimension HxWxD		9-7/8 x 27-9/16 x 28-7/8	
		250 x 700 x 732	
Net weight		48 (21.5)	
Heat exchanger		Cross fin (Aluminum fin and copper tube)	
FAN	Type x Quantity		
	Sirocco fan x 1		
	*4	External	in.WG
		static press.	Pa
	Motor Type		DC motor
	Motor output		0.085
	Driving mechanism		Direct-driven by motor
	Air flow rate		(Low-Mid-High)
			265 - 318 - 371
			7.5 - 9.0 - 10.5
		125 - 150 - 175	
Sound pressure level (measured in anechoic room)		(Low-Mid-High)	
*2		dB (A)	
		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)	
	Gas	inch (mm)	
Field drain pipe size		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			
<p>* Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual.</p> <p>* Due to continuing improvement, above specifications may be subject to change without notice.</p>			
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 <sup>3</sup> /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)

SPECIFICATIONS OF Air Conditioner (Ceiling-concealed TYPE)			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	kW	0.121
		Driving mechanism		Direct-driven by motor
		Air flow rate		(Low-Mid-High)
			cfm	353 - 424 - 494
			m <sup>3</sup> /min	10.0 - 12.0 - 14.0
			L/s	167 - 200 - 233
Sound pressure level (measured in anechoic room) *2			(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)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-KE92TB-E	
Remarks				
<p>* Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual.</p> <p>* Due to continuing improvement, above specifications may be subject to change without notice.</p>				
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 <sup>3</sup> /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-M18NMAU-A
Power source		1-phase 208/230 V 60 Hz
Cooling capacity	*1	BTU/h
	*1	kW
	*2	Power input kW
	*2	Current input A
Heating capacity		20,000
Cooling capacity	*3	BTU/h
	*3	kW
	*2	Power input kW
	*2	Current input A
External finish		Galvanized steel plate
External dimension HxWxD		9-7/8 x 43-5/16 x 28-7/8
		250 x 1,100 x 732
Net weight		67 (30)
Heat exchanger		Cross fin (Aluminum fin and copper tube)
FAN		Sirocco fan x 2
*4	Type x Quantity	
	External	in.WG
	static press.	Pa
	Motor Type	
	Motor output kW	
	Driving mechanism	
	Air flow rate	
		cfm
	m <sup>3</sup> /min	
	L/s	
Sound pressure level (measured in anechoic room) *2		dB (A)
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)
	Gas	inch (mm)
Field drain pipe size		inch (mm)
Drawing	External	
	Wiring	
	Refrigerant cycle	
Standard attachment	Document	
	Accessory	
Optional parts	External heater adapter	
	Filter box	
Remarks		
<p>* Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual.</p> <p>* Due to continuing improvement, above specifications may be subject to change without notice.</p>		
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 <sup>3</sup> /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
m <sup>3</sup> /min			17.5 - 21.0 - 25.0	
		L/s	292 - 350 - 417	
Sound pressure level (measured in anechoic room) *2			(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 =m <sup>3</sup> /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
m <sup>3</sup> /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				
<p>* Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual.</p> <p>* Due to continuing improvement, above specifications may be subject to change without notice.</p>				
Notes:			Unit converter	
<p>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)</p> <p>2.The values are measured at the factory setting of external static pressure.</p> <p>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)</p> <p>4.The factory setting of external static pressure is shown without &lt; &gt;. Refer to "Fan characteristics curves", according to the external static pressure, in DATA BOOK for the usable range of air flow rate.</p> <p>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.</p>			<p>BTU/h =kW x 3,412</p> <p>cfm =m<sup>3</sup>/min x 35.31</p> <p>lbs =kg/0.4536</p> <p>*Above specification data is subject to rounding variation.</p>	

# 1. SPECIFICATIONS

Ceiling concealed (Medium static pressure type)

SPECIFICATIONS OF Air Conditioner (Ceiling-concealed TYPE)			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 kW		0.3
Driving mechanism			Direct-driven by motor
Air flow rate		(Low-Mid-High)	
		cfm	883 - 1,077 - 1,271
		m <sup>3</sup> /min	25.0 - 30.5 - 36.0
		L/s	417 - 508 - 600
Sound pressure level (measured in anechoic room) *2			(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			
<p>* Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual.</p> <p>* Due to continuing improvement, above specifications may be subject to change without notice.</p>			
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 <sup>3</sup> /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 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	883 - 1,077 - 1,271
			m <sup>3</sup> /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				
<p>* Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual.</p> <p>* Due to continuing improvement, above specifications may be subject to change without notice.</p>				
Notes:			Unit converter	
<p>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)</p> <p>2.The values are measured at the factory setting of external static pressure.</p> <p>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)</p> <p>4.The factory setting of external static pressure is shown without &lt; &gt;. Refer to "Fan characteristics curves", according to the external static pressure, in DATA BOOK for the usable range of air flow rate.</p> <p>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.</p>			<p>BTU/h =kW x 3,412</p> <p>cfm =m<sup>3</sup>/min x 35.31</p> <p>lbs =kg/0.4536</p> <p>*Above specification data is subject to rounding variation.</p>	

# 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	
		m <sup>3</sup> /min	26.0 - 31.5 - 37.0	
		L/s	433 - 525 - 617	
Sound pressure level (measured in anechoic room) *2			(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 =m <sup>3</sup> /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	
			m <sup>3</sup> /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 =m <sup>3</sup> /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.	

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

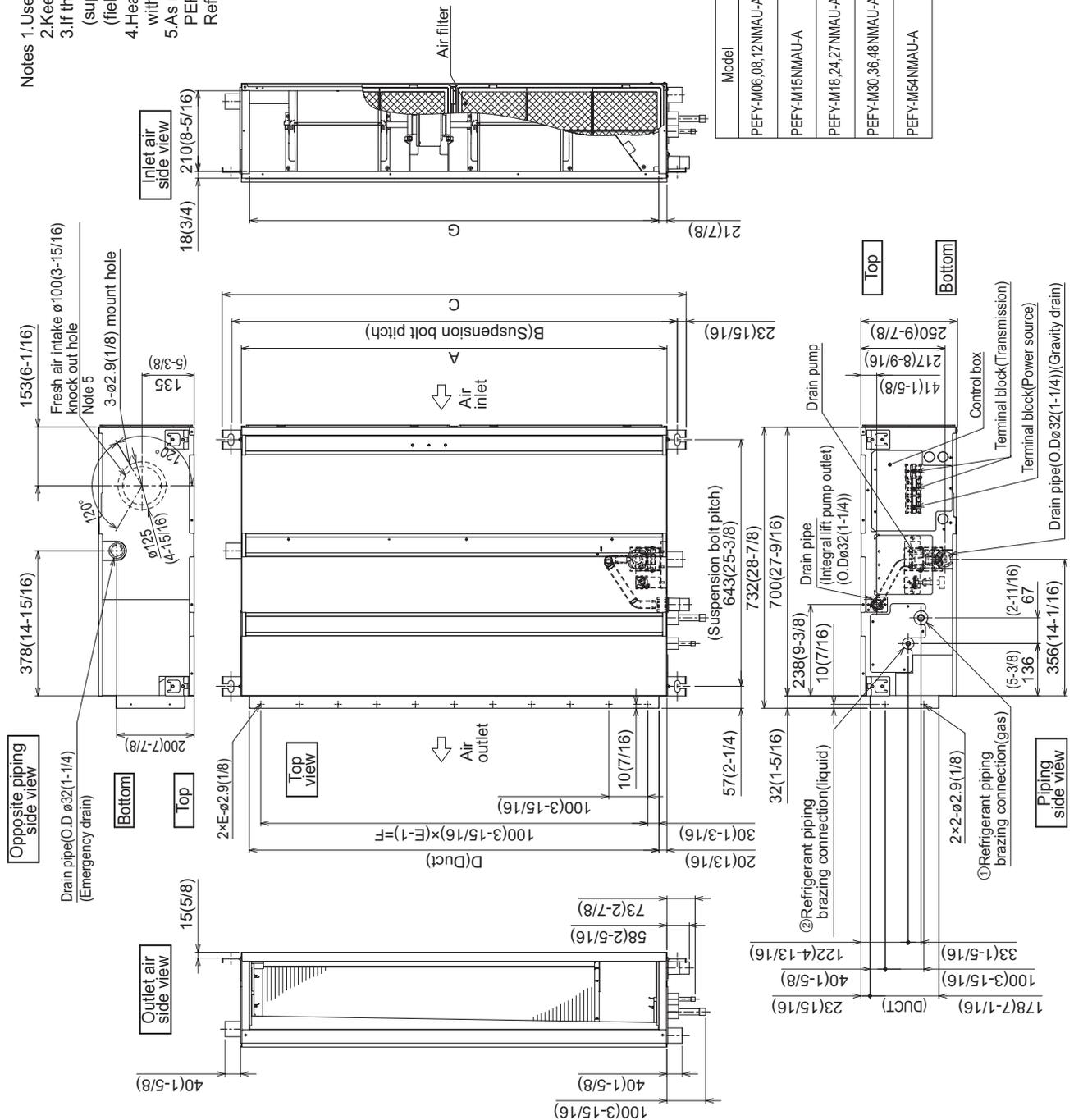
Unit: mm (in.)

- 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)

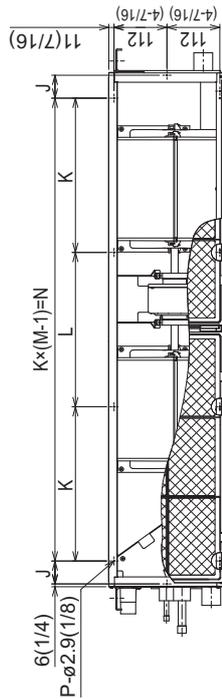
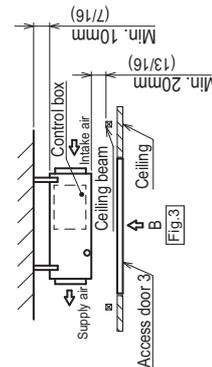
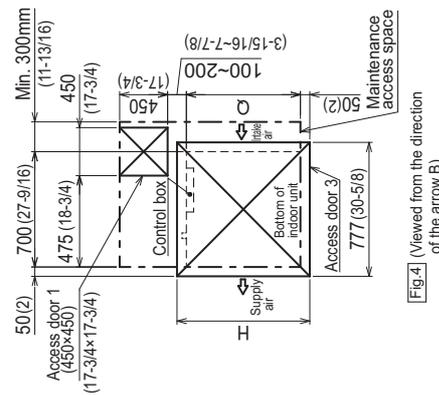
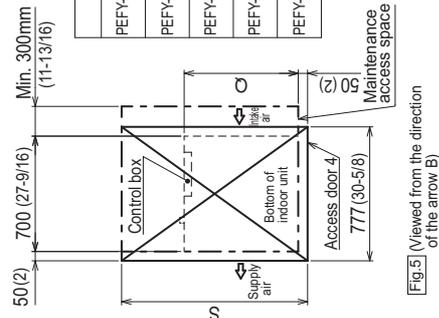
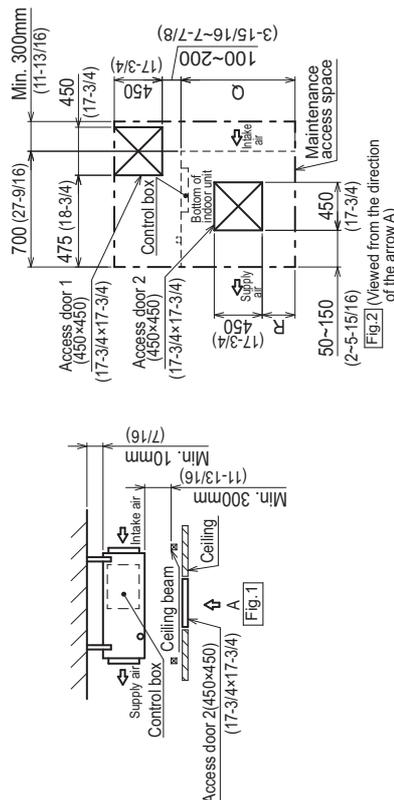
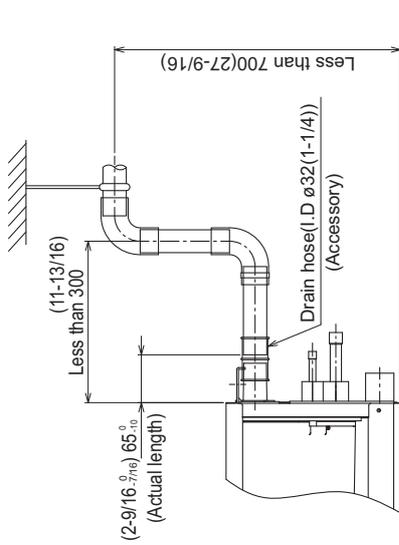


PEFY-M06, 08, 12, 15, 18, 24, 27, 30, 36, 48, 54NMAU-A

Unit: mm (in.)

[Maintenance access space]  
 Secure enough access space to allow for the maintenance, inspection, and replacement of the motor, fan, drain pump, heat exchanger, and 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 beams or other objects.

- (1) When a space of 300mm or more is available below the unit between the unit and the ceiling, and replacement of the motor, fan, drain pump, heat exchanger, and control box in one of the following ways.
  - Create access door 1 and 2 (450×450mm each) as shown in Fig.2
  - (Access door 2 is not required if enough space is available below the unit for a maintenance worker to work in.)
- (2) When a space of less than 300mm is available below the unit between the unit and the ceiling.
  - 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
PEFY-M06,08,12NMAU-A	800 (31-1/2)	44 (1-3/4)	150 (5-15/16)	300 (11-13/16)	4	780 (30-3/4)	10 (27-9/16)	700 (27-9/16)	50-150 (2-5-15/16)	1300 (51-3/16)
PEFY-M15NMAU-A	1000 (39-3/8)	54 (2-3/16)	260 (10-1/4)	4	900 (35-7/16)	10 (31-1/2)	900 (35-7/16)	900 (35-7/16)	150-250 (5-15/16)-(9-7/8)	1500 (59-1/16)
PEFY-M18,24,27NMAU-A	1200 (47-1/4)	49 (1-15/16)	330 (13)	4	980 (39)	10 (31-1/2)	1100 (43-5/16)	1100 (43-5/16)	250-350 (9-7/8)-(13-13/16)	1700 (66-15/16)
PEFY-M30,36,48NMAU-A	1500 (59-1/16)	54 (2-3/16)	320 (12-5/8)	5	1280 (50-7/16)	12 (31-1/2)	1400 (55-1/8)	1400 (55-1/8)	400-500 (15-3/4)-(19-11/16)	2000 (78-3/4)
PEFY-M54NMAU-A	1700 (66-15/16)	54 (2-3/16)	370 (14-5/8)	5	1480 (58-5/16)	12 (31-1/2)	1600 (63)	1600 (63)	500-600 (19-11/16)-(23-5/8)	2200 (86-5/8)

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

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

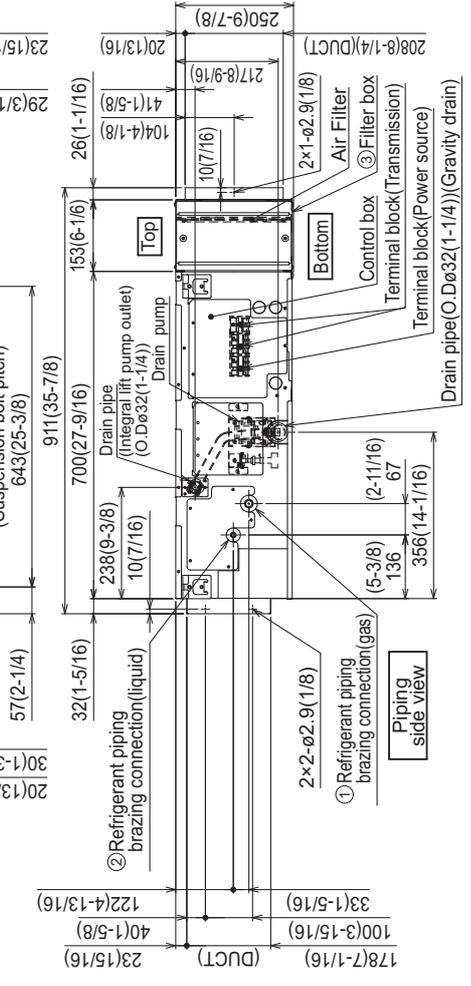
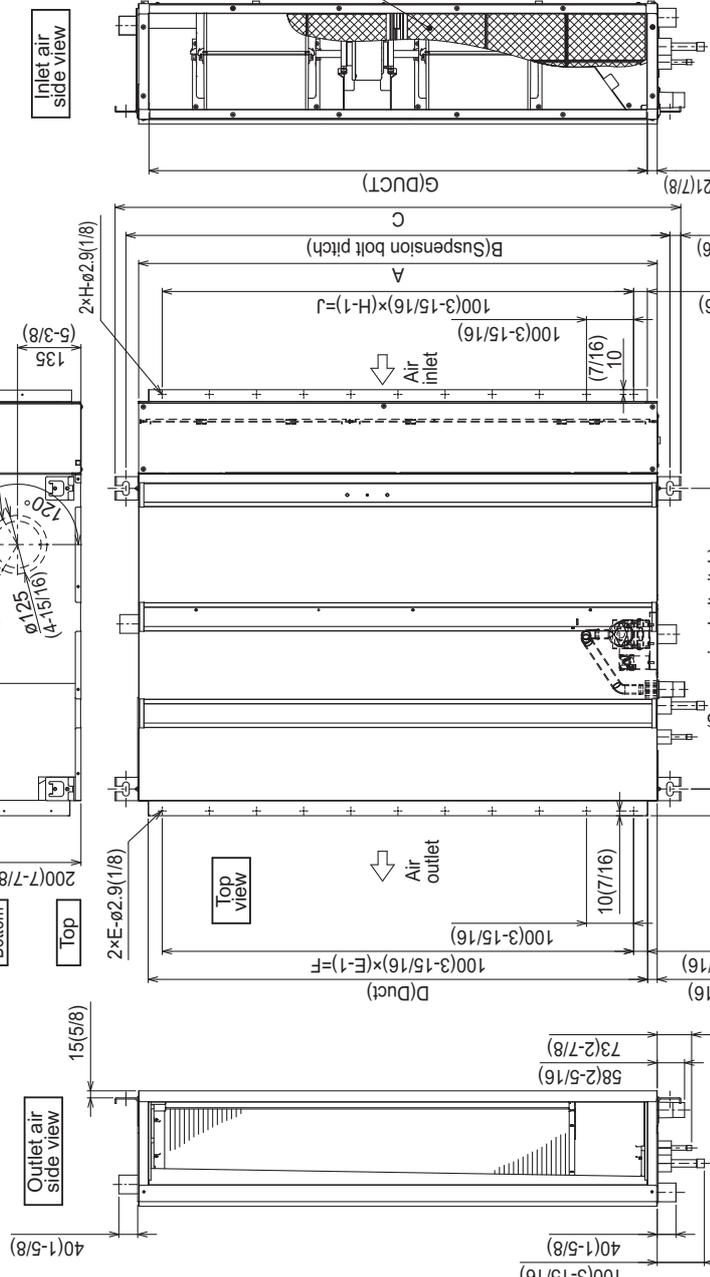
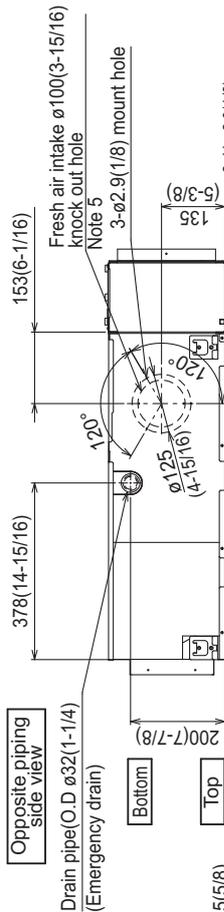
PEFY-M06, 08, 12, 15, 18, 24, 27, 30, 36, 48, 54NMAU-A with filter box

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. 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

Model	① Gas pipe	② Liquid pipe	③ Filter box	Unit:mm(in.)
PEFY-M06,08,12NMAU-A	ø12.7 (1/2)	ø6.35 (1/4)	PAC-KE91TB-E	Unit:mm(in.)
PEFY-M15NMAU-A			PAC-KE92TB-E	
PEFY-M18NMAU-A			PAC-KE93TB-E	
PEFY-M24,27NMAU-A	ø15.88 (5/8)	ø9.52 (3/8)	PAC-KE94TB-E	Unit:mm(in.)
PEFY-M30,36,48NMAU-A			PAC-KE95TB-E	
PEFY-M54NMAU-A				

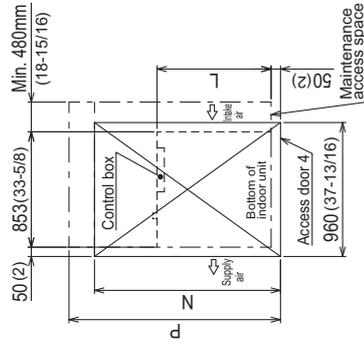
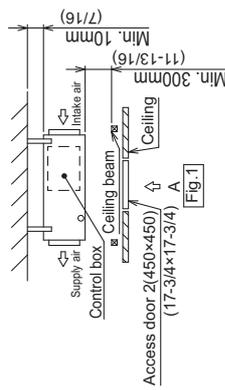
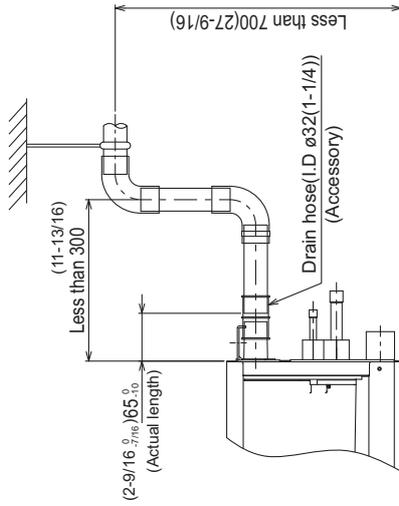


PEFY-M06, 08, 12, 15, 18, 24, 27, 30, 36, 48, 54NMAU-A with filter box

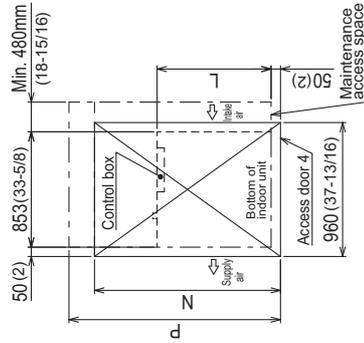
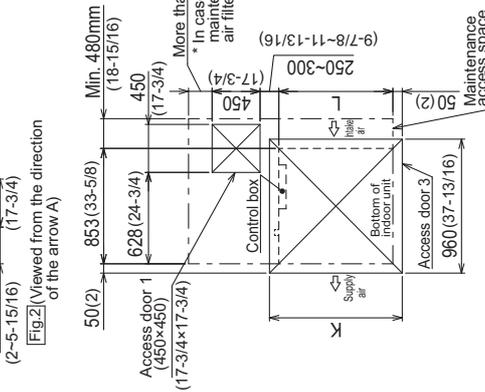
Unit: mm (in.)

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

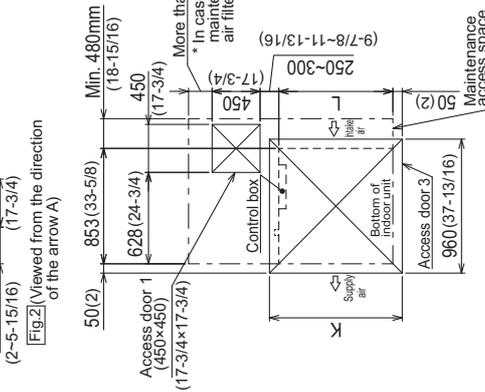
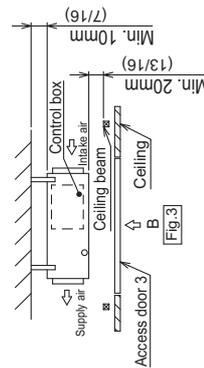
- (1) When a space of 300mm or more is available below the unit between the unit and the ceiling. (Fig.1)
  - Create access door 1 and 2 (450x450mm each) as shown in Fig.2.
  - (Access door 2 is not required if enough space is available below the unit for a maintenance worker to work in.)
- (2) When a space of less than 300mm is available below the unit between the unit and the ceiling. (At least 20mm of space should be left below the unit as shown in Fig.3.)
  - Create access door 1 diagonally below the control box and access door 3 below the unit as shown in Fig.4.
  - Create access door 4 below the control box and the unit as shown in Fig.5.



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



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



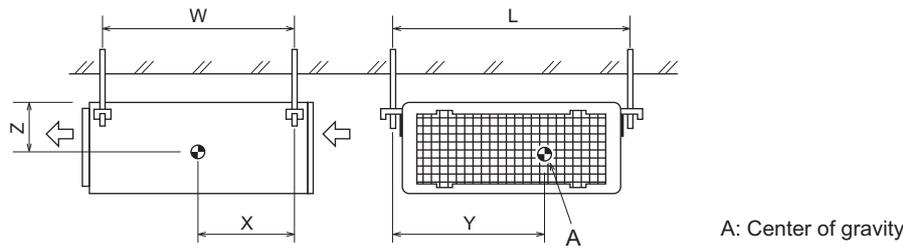
[Fig.5] (Viewed from the direction of the arrow B)

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

Model	K	L	M	N	P*
PEFY-M06,08,12NMAU-A	800 (31-1/2)	700 (27-9/16)	50-150 (2)-(5-5/16)	1300 (51-3/16)	1450 (57-1/8)
PEFY-M15NMAU-A	1000 (38-3/8)	900 (35-7/16)	150-250 (5-15/16)-(9-7/8)	1500 (59-1/16)	1850 (72-7/8)
PEFY-M18,24,27NMAU-A	1200 (47-1/4)	1100 (43-5/16)	250-350 (9-7/8)-(13-3/16)	1700 (66-15/16)	
PEFY-M30,36,48NMAU-A	1500 (58-1/16)	1400 (55-1/8)	400-500 (15-3/4)-(9-11/16)	2000 (78-3/4)	2150 (84-11/16)
PEFY-M64NMAU-A	1700 (66-15/16)	1600 (63)	500-600 (19-11/16)-(23-5/8)	2200 (86-5/8)	2550 (100-7/16)

Unit:mm(in.)

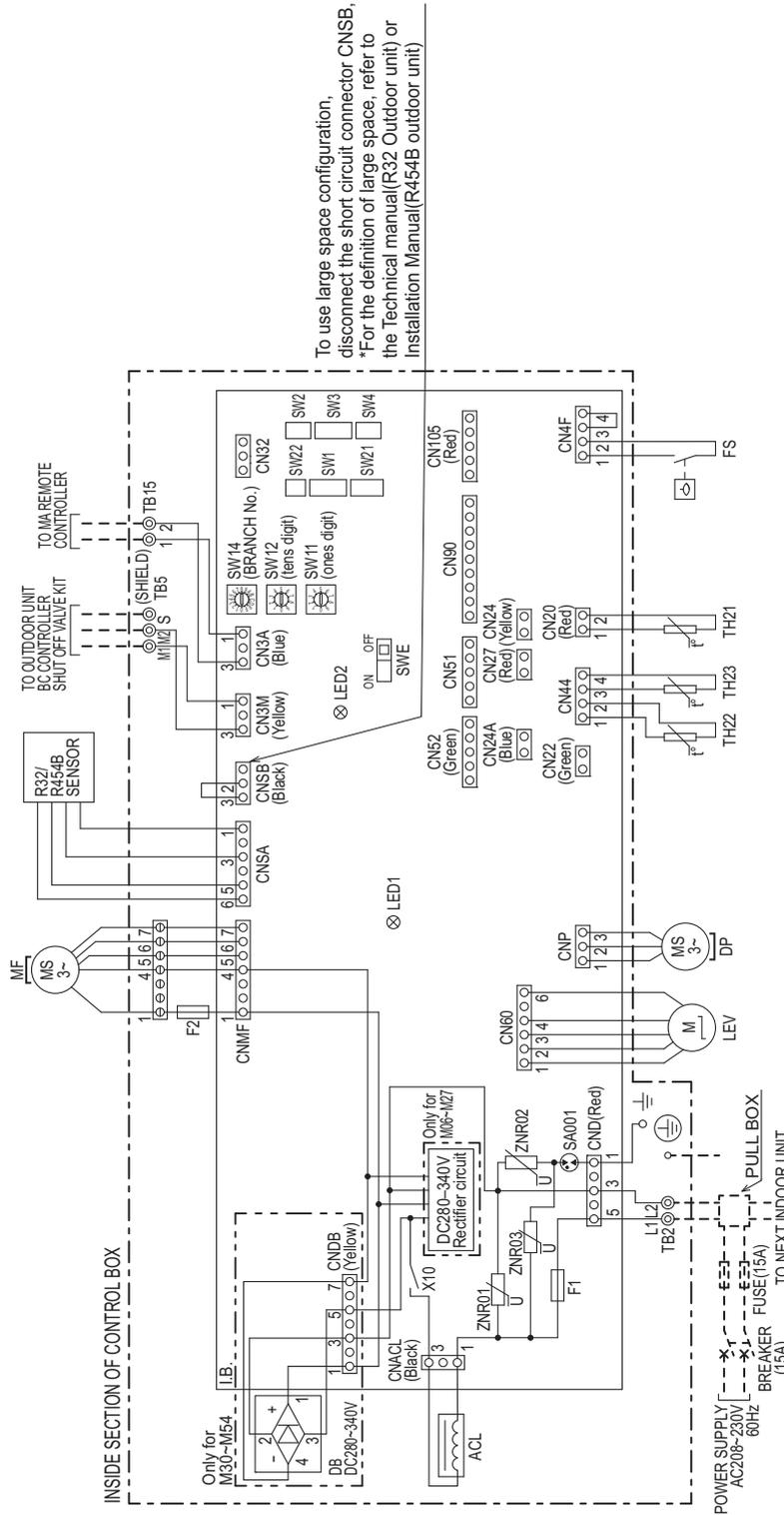
PEFY-M06, 08, 12, 15, 18, 24, 27, 30, 36, 48, 54NMAU-A



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



To use large space configuration, disconnect the short circuit connector CNSB, refer to the Technical manual(R32 Outdoor unit) or Installation Manual(R454B outdoor unit)

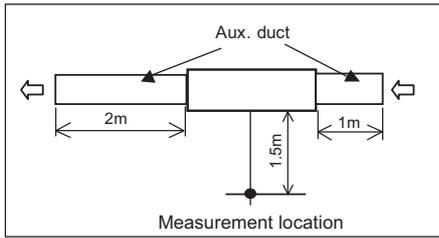
- NOTE)1. Symbols used in wiring diagram are  
 [ ]: Terminal, [ ]: Connector, ⊕: Field wiring, --- (Heavy dotted line): Field wiring, --- (Dashed line): Field wiring.  
 2. Use copper supply wires.  
 3. Utilisez des fils d'alimentation en cuivre. Se procurer un sectionneur conforme aux réglementations locales.

SYMBOL EXPLANATION

SYMBOL	NAME	SYMBOL	NAME
IB	INDOOR CONTROLLER BOARD	ACL	AC REACTOR (POWER FACTOR IMPROVEMENT)
SA001	ARRESTOR	DB	DIODE BRIDGE
F1	FUSE AC250V 6.3A (TP) M-BL8A04	DP	DRAIN PUMP
ZNR01,02,03	VARIABLE RESISTOR	F2	FUSE DC400V 3ASHV1
X10	AUX. RELAY	FS	FAN MOTOR
CN24	CONNECTOR (FAN CONTROL)	MF	FAN MOTOR
CN22	CONNECTOR (HEATER CONTROL 1ST)	LEV	LINEAR EXPANSION VALVE
CN24A	CONNECTOR (HEATER CONTROL 2ND)	TB2	POWER SOURCE TERMINAL BLOCK
CN27	CONNECTOR (DAMPER)	TB5	TRANSMISSION TERMINAL BLOCK
CN32	CONNECTOR (REMOTE SWITCH)	TB15	TRANSMISSION TERMINAL BLOCK
CN51	CONNECTOR (CENTRALLY CONTROL)	TH21	THERMISTOR (INLET AIR TEMP. DETECTION)
CN52	CONNECTOR (REMOTE INDICATION)	TH22	THERMISTOR (PIPING TEMP. DETECTION/LIQUID)
CN80	CONNECTOR (WIRELESS)	TH23	THERMISTOR (PIPING TEMP. DETECTION/GAS)
CN105	CONNECTOR (I TERMINAL)		

5-1. Sound levels

Sound level at anechoic room: Low-Mid-High



\* Measured in anechoic room.

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

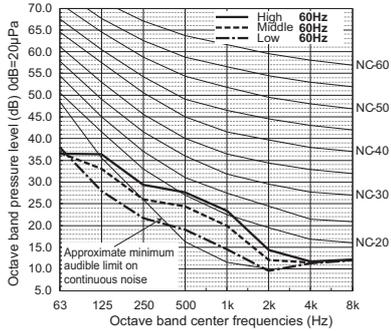
PEFY-M-NMAU-A

PEFY-M-NMAU-A

5-2. NC curves

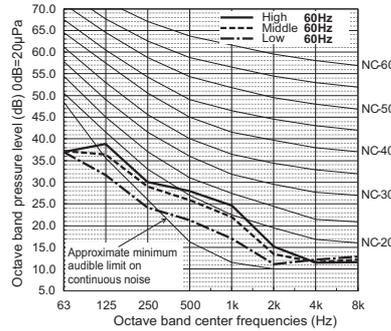
**PEFY-M06,08NMAU-A**

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



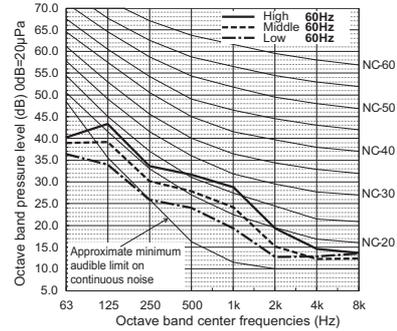
**PEFY-M06,08NMAU-A**

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



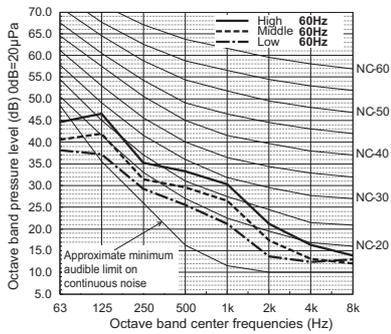
**PEFY-M06,08NMAU-A**

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



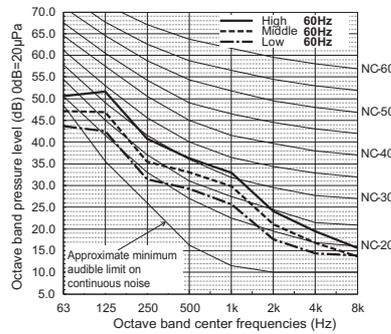
**PEFY-M06,08NMAU-A**

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



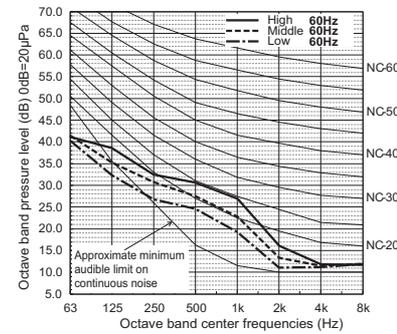
**PEFY-M06,08NMAU-A**

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



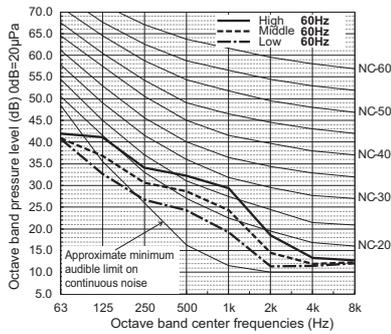
**PEFY-M12NMAU-A**

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



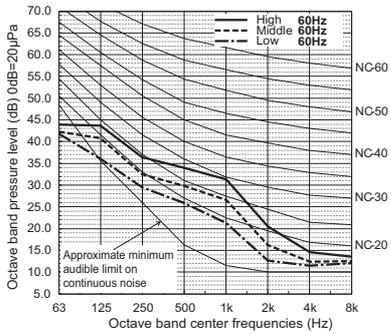
**PEFY-M12NMAU-A**

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



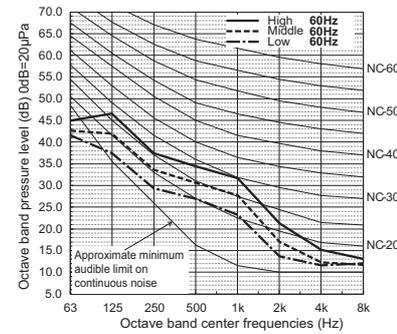
**PEFY-M12NMAU-A**

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



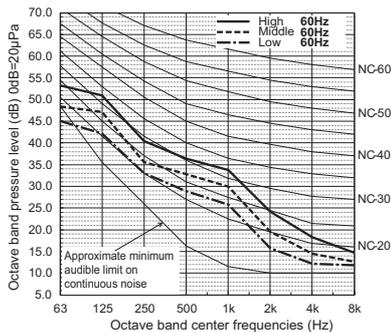
**PEFY-M12NMAU-A**

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



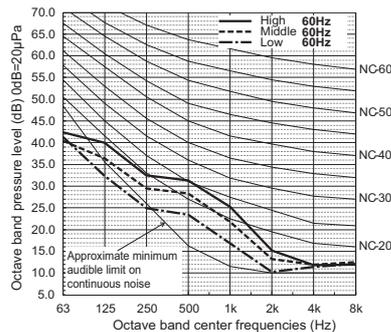
**PEFY-M12NMAU-A**

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



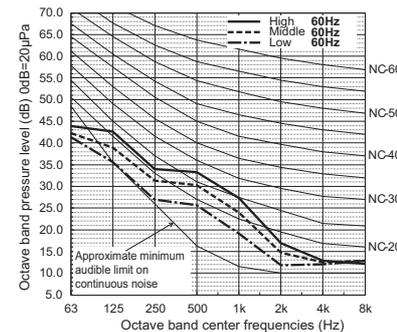
**PEFY-M15NMAU-A**

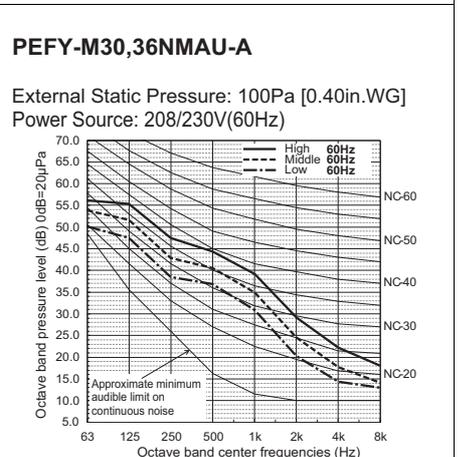
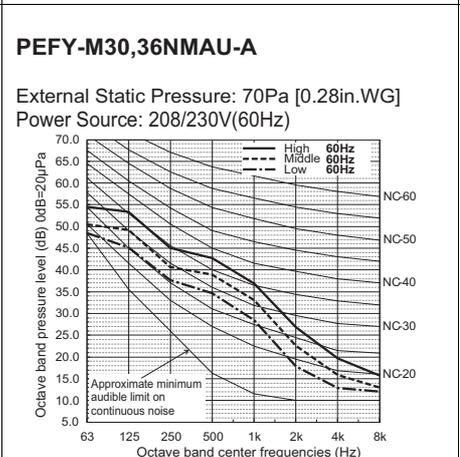
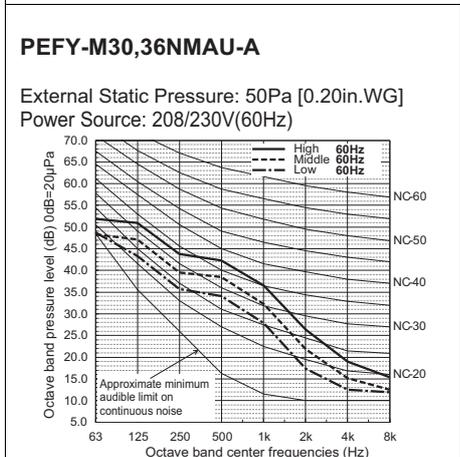
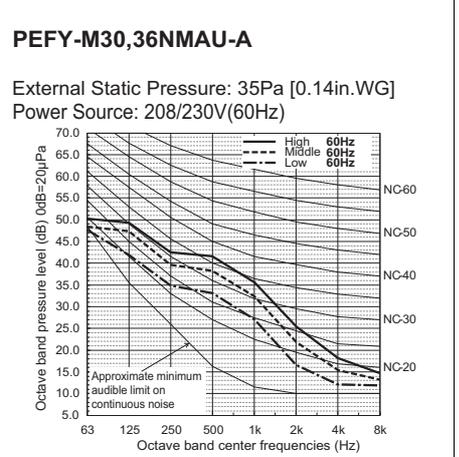
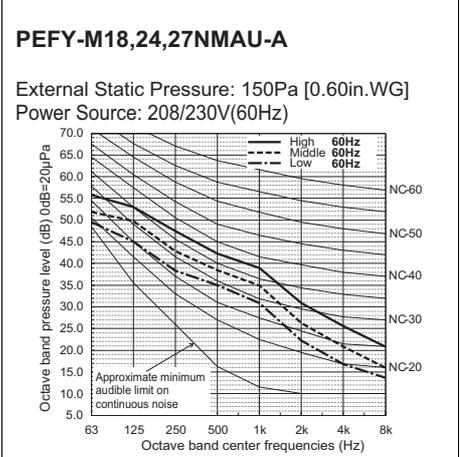
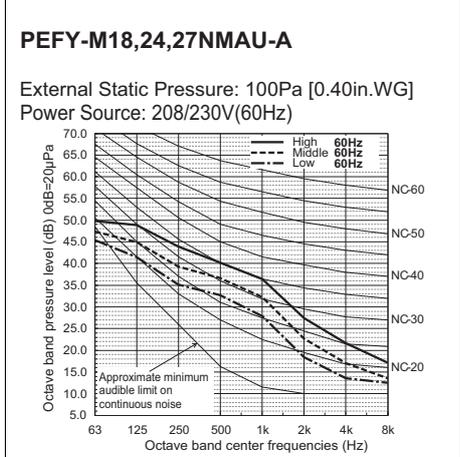
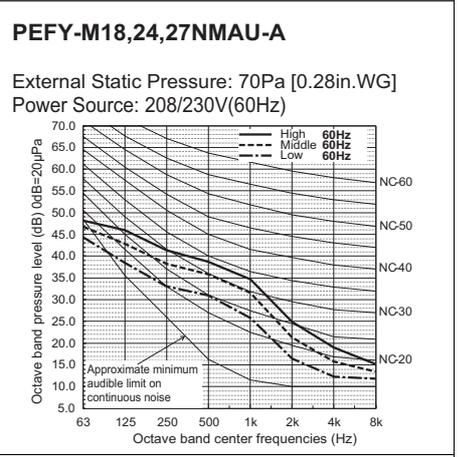
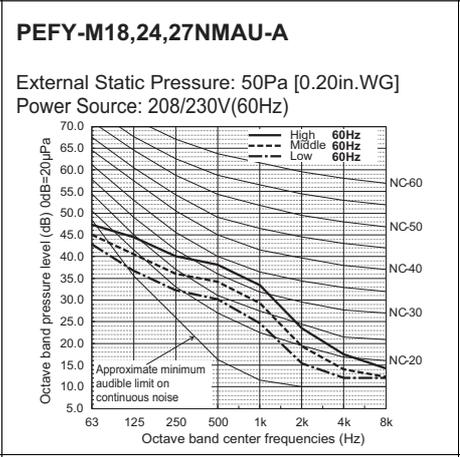
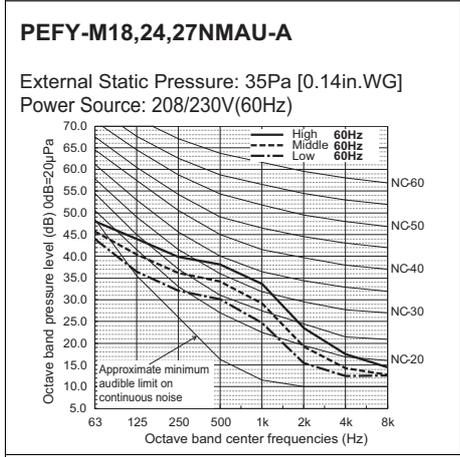
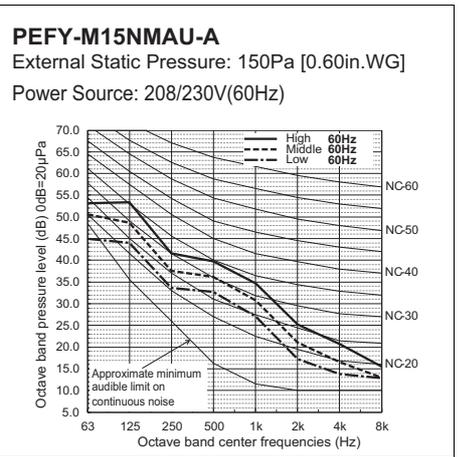
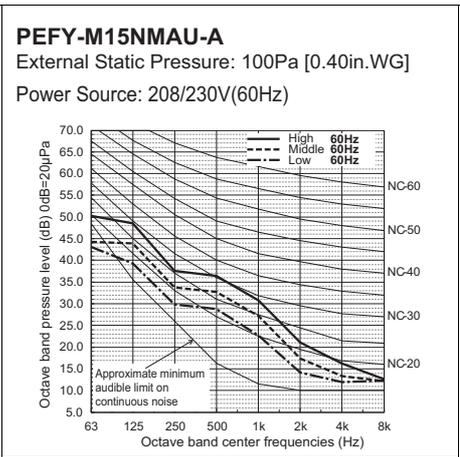
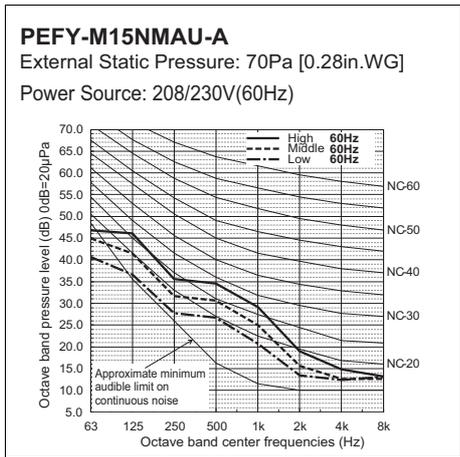
External Static Pressure: 35Pa [0.14in.WG]  
Power Source: 208/230V(60Hz)



**PEFY-M15NMAU-A**

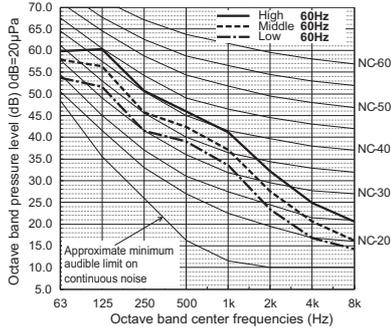
External Static Pressure: 50Pa [0.20in.WG]  
Power Source: 208/230V(60Hz)





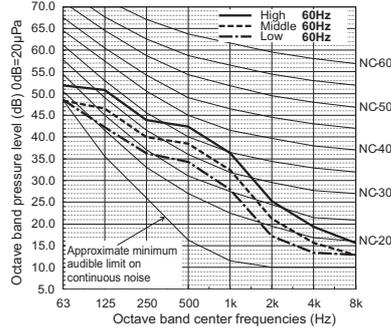
**PEFY-M30,36NMAU-A**

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



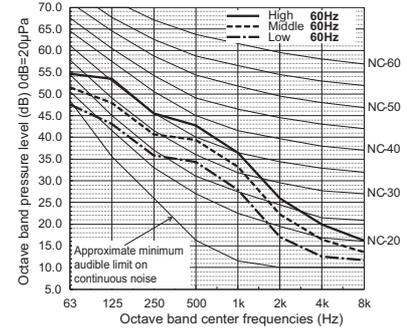
**PEFY-M48NMAU-A**

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



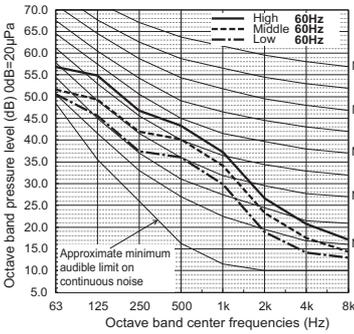
**PEFY-M48NMAU-A**

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



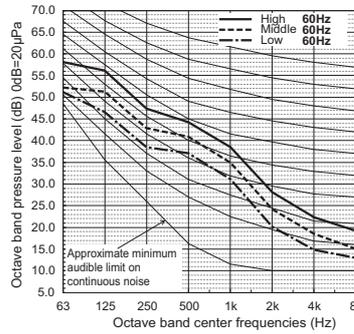
**PEFY-M48NMAU-A**

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



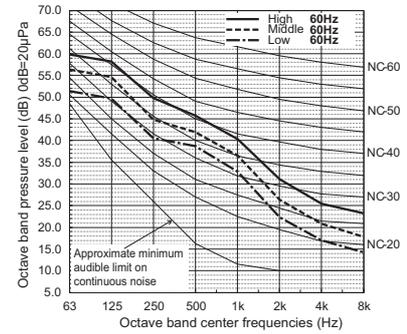
**PEFY-M48NMAU-A**

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



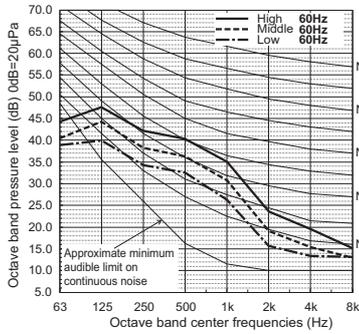
**PEFY-M48NMAU-A**

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



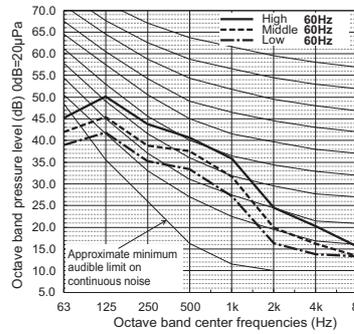
**PEFY-M54NMAU-A**

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



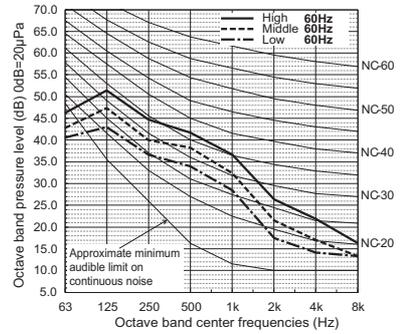
**PEFY-M54NMAU-A**

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



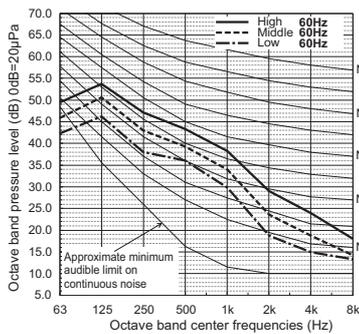
**PEFY-M54NMAU-A**

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



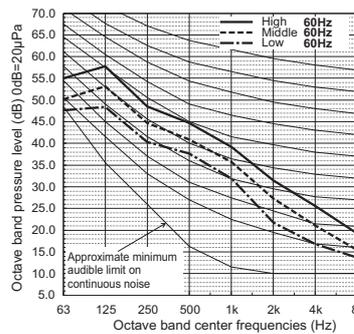
**PEFY-M54NMAU-A**

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)



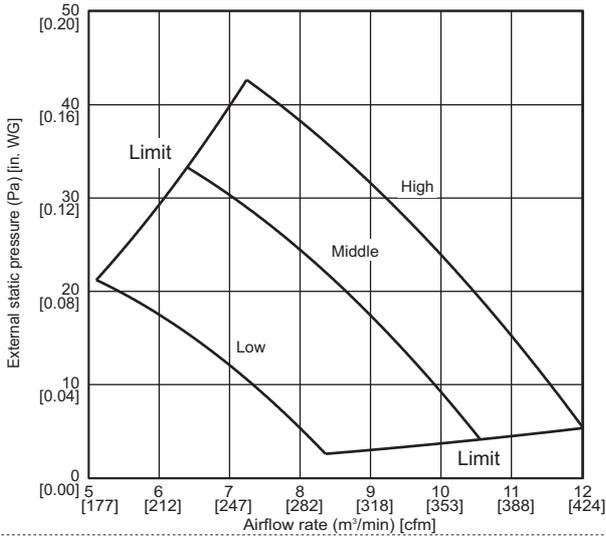
# 6. FAN CHARACTERISTICS CURVES

Ceiling concealed (Medium static pressure type)

PEFY-M-NMAU-A

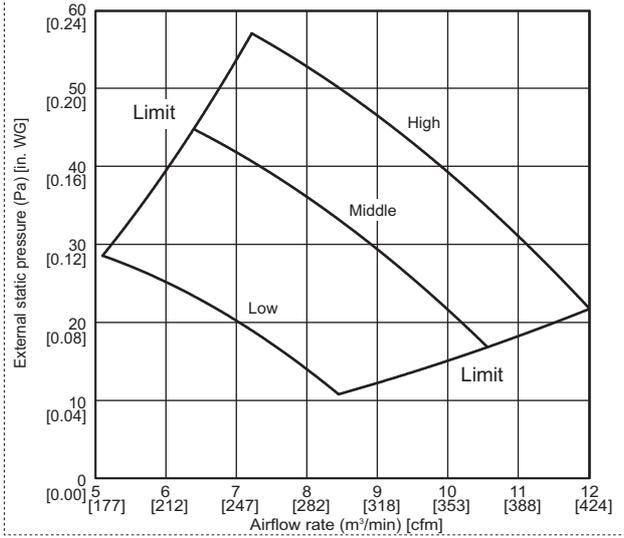
## PEFY-M06, 08NMAU-A

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



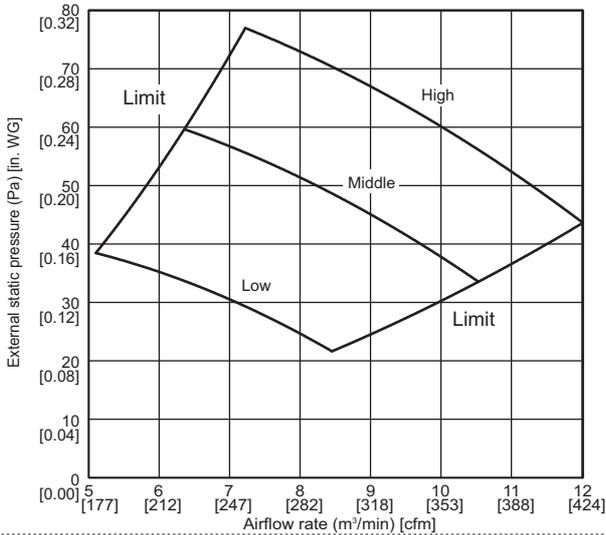
## PEFY-M06, 08NMAU-A

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



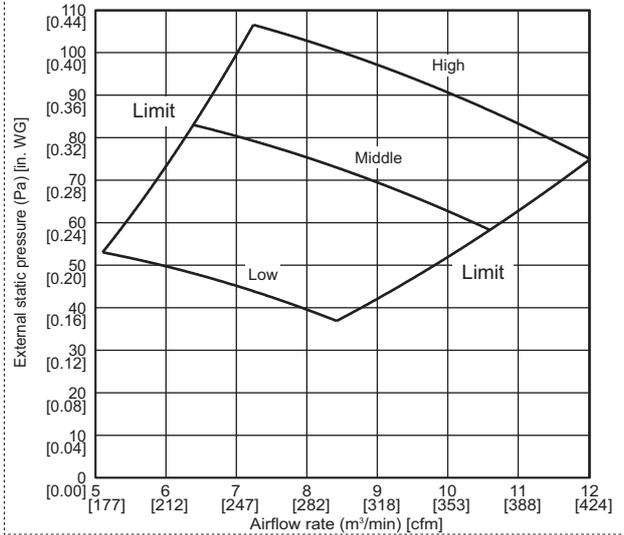
## PEFY-M06, 08NMAU-A

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



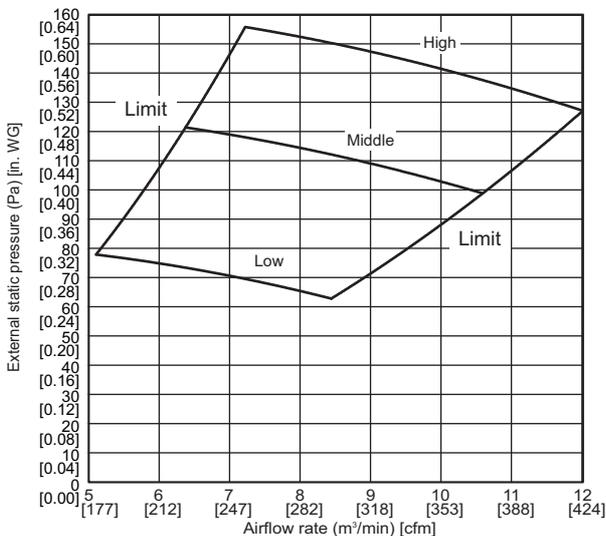
## PEFY-M06, 08NMAU-A

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.

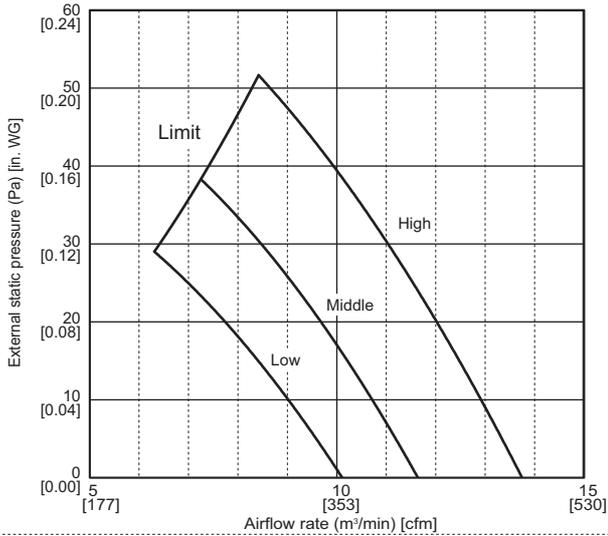
## 6. FAN CHARACTERISTICS CURVES

Ceiling concealed (Medium static pressure type)

PEFY-M-NMAU-A

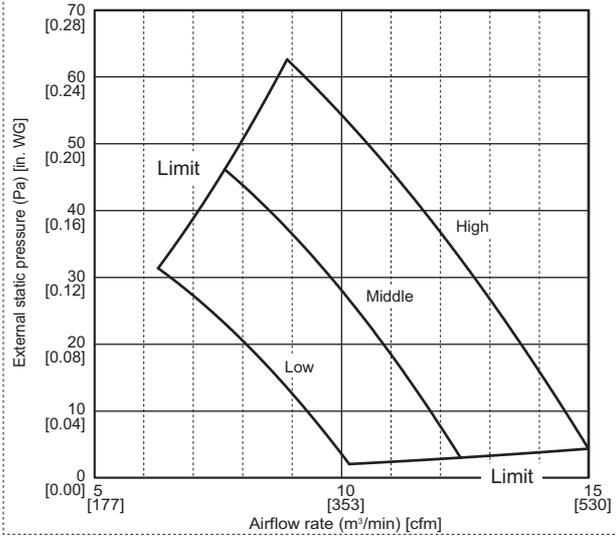
### PEFY-M12NMAU-A

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



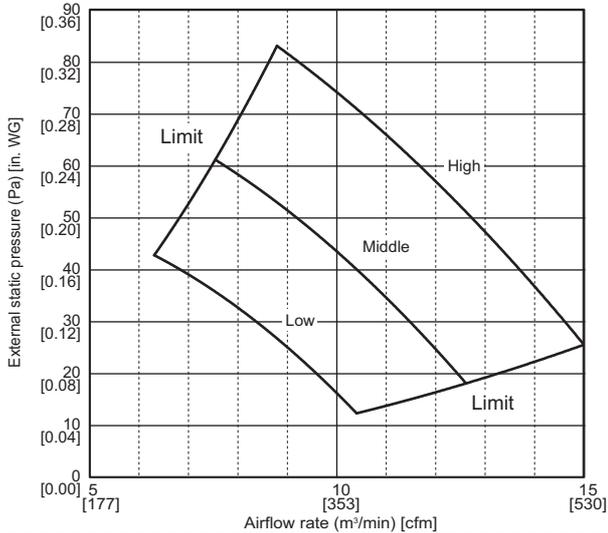
### PEFY-M12NMAU-A

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



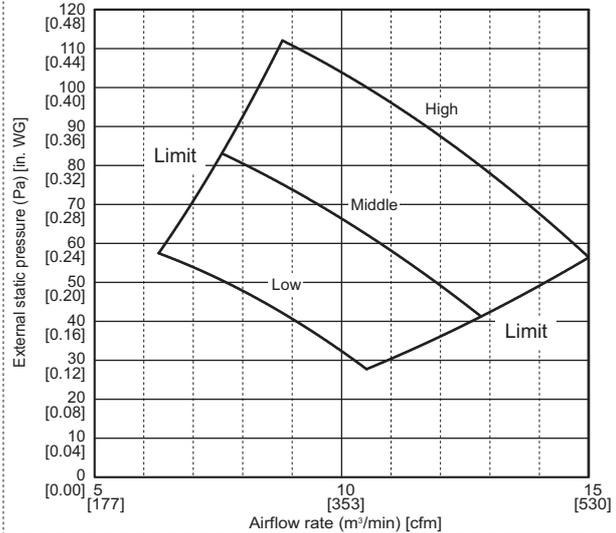
### PEFY-M12NMAU-A

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



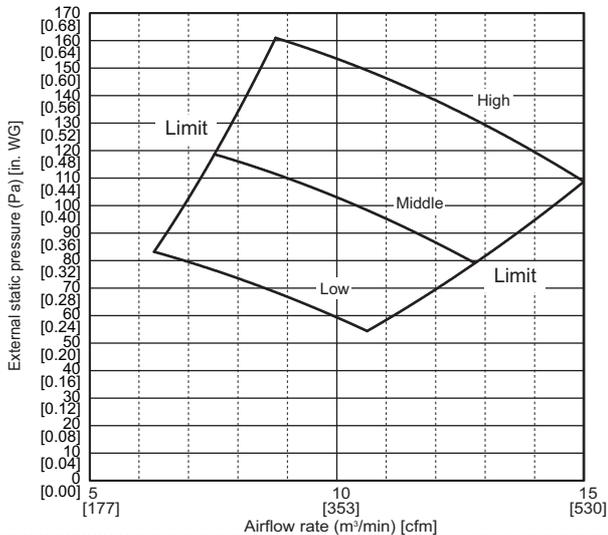
### PEFY-M12NMAU-A

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



### PEFY-M12NMAU-A

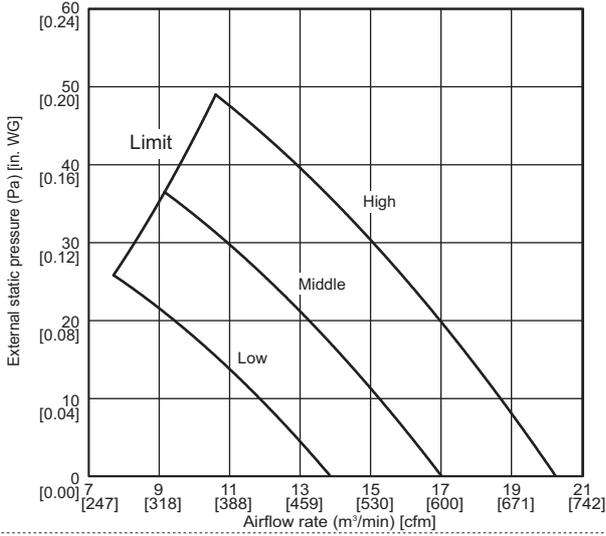
External static pressure : 150Pa [0.60in.WG]  
Power source : 208/230V



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

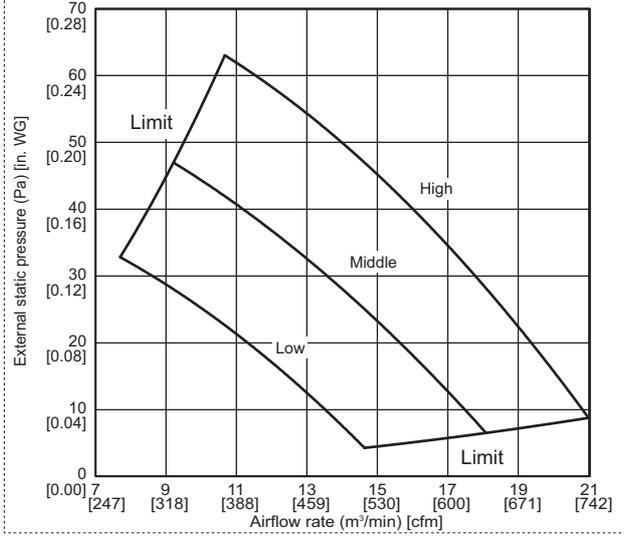
**PEFY-M15NMAU-A**

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



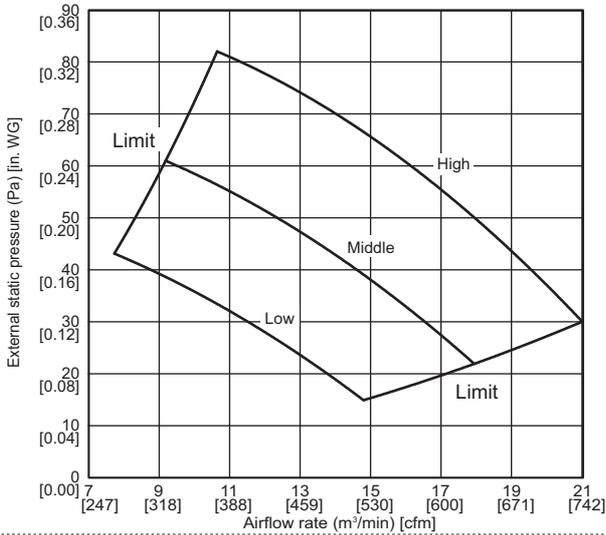
**PEFY-M15NMAU-A**

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



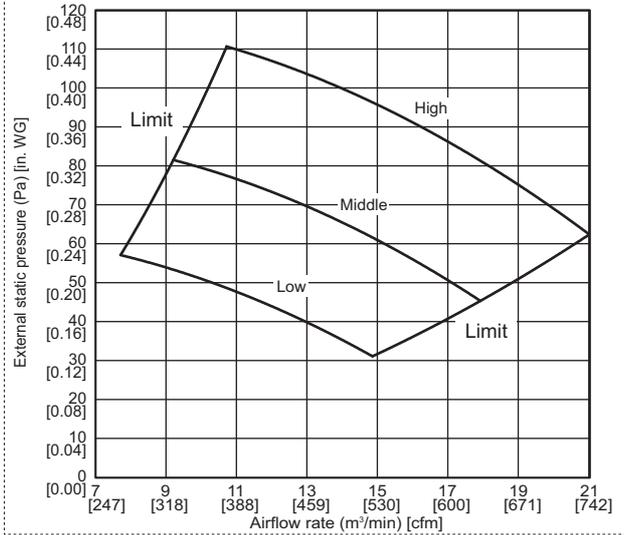
**PEFY-M15NMAU-A**

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



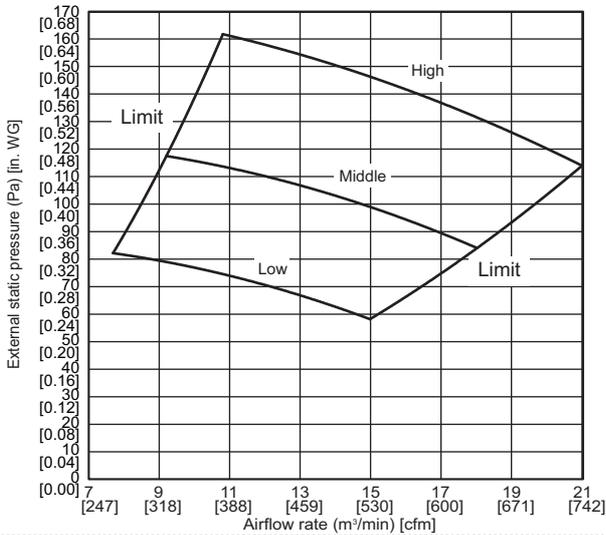
**PEFY-M15NMAU-A**

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

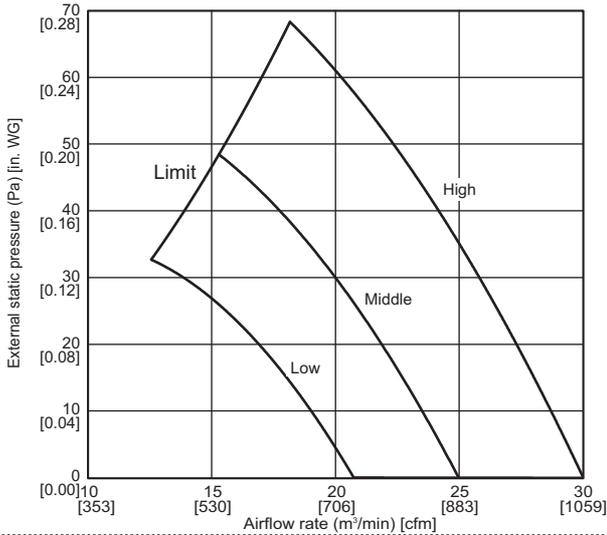
Ceiling concealed (Medium static pressure type)

PEFY-M-NMAU-A

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

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

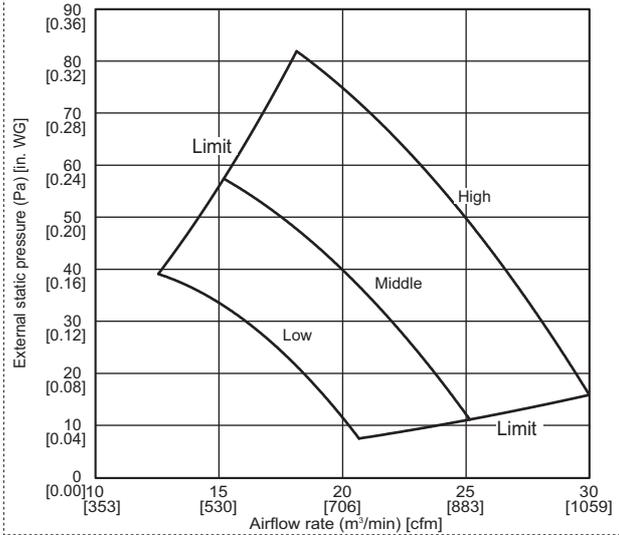
Power source : 208/230V



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

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

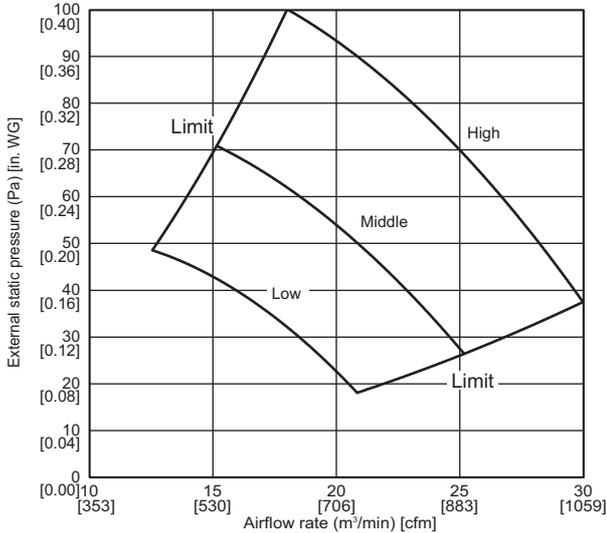
Power source : 208/230V



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

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

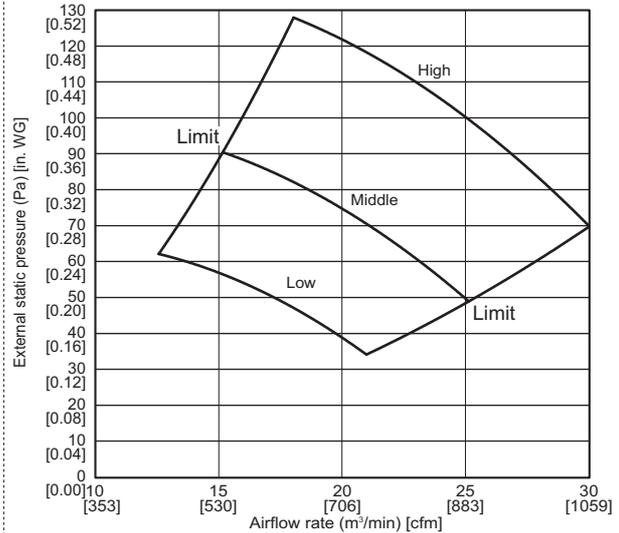
Power source : 208/230V



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

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

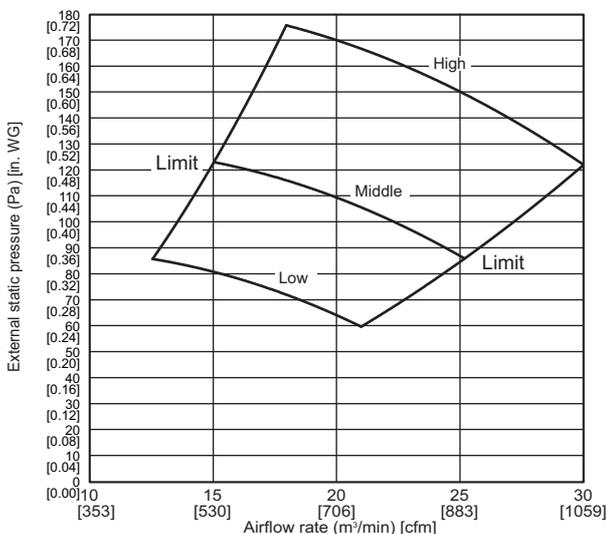
Power source : 208/230V



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

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

Power source : 208/230V

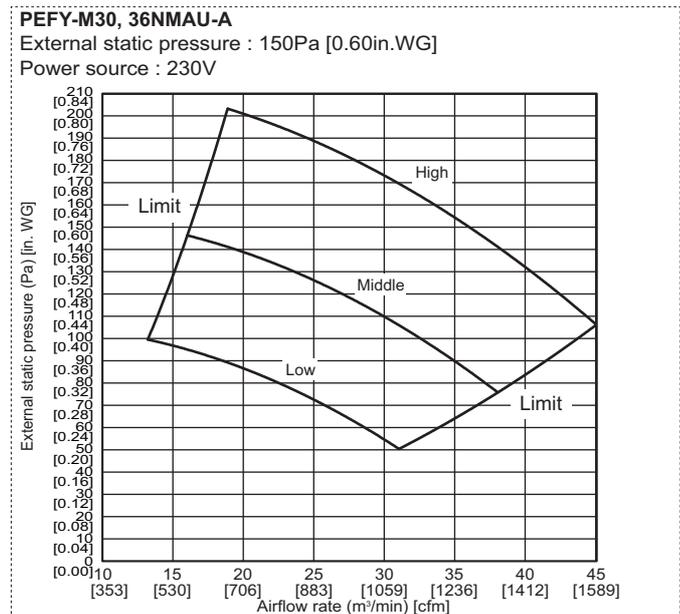
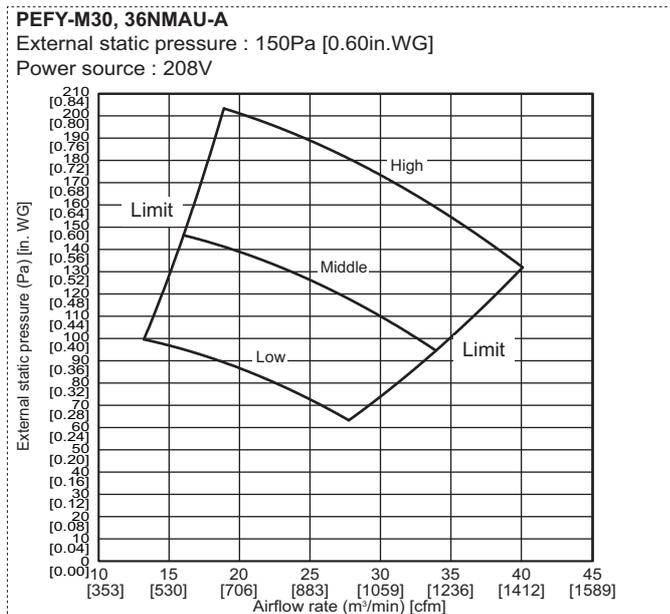
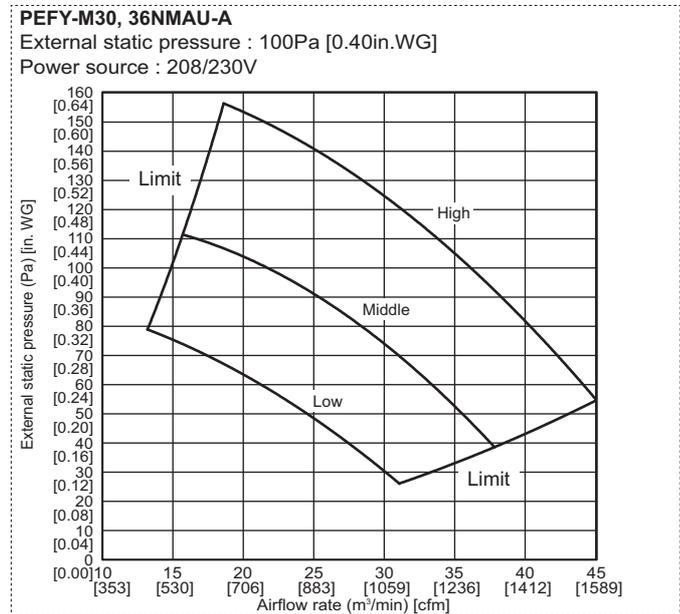
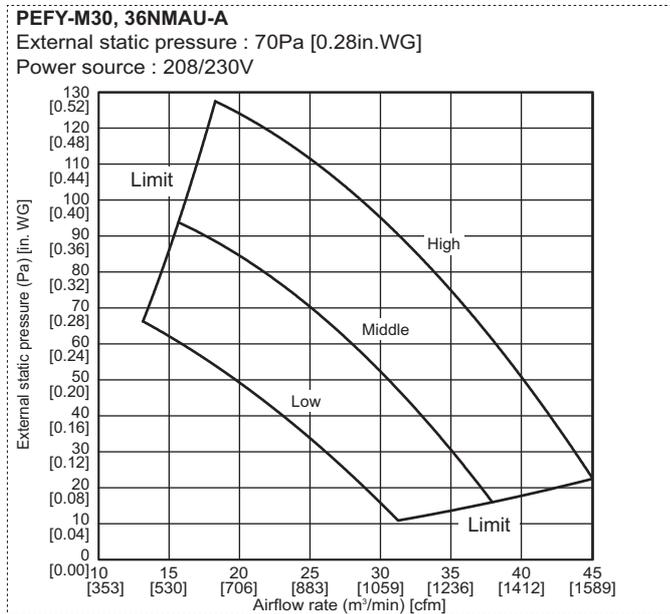
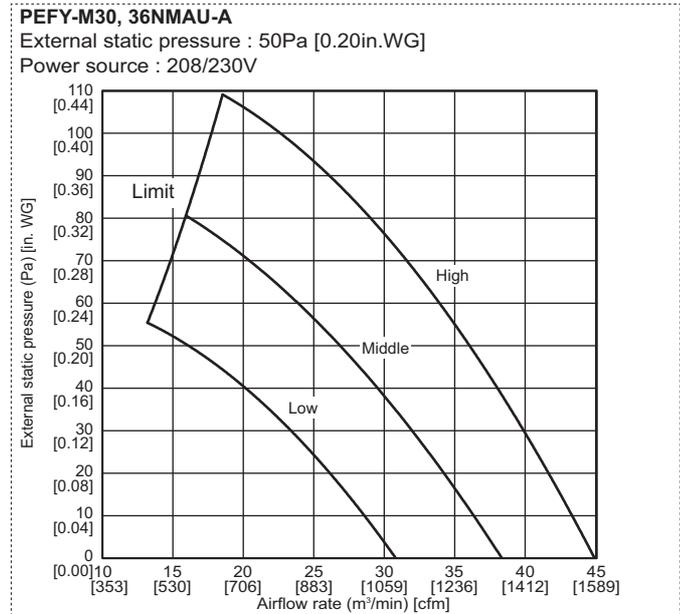
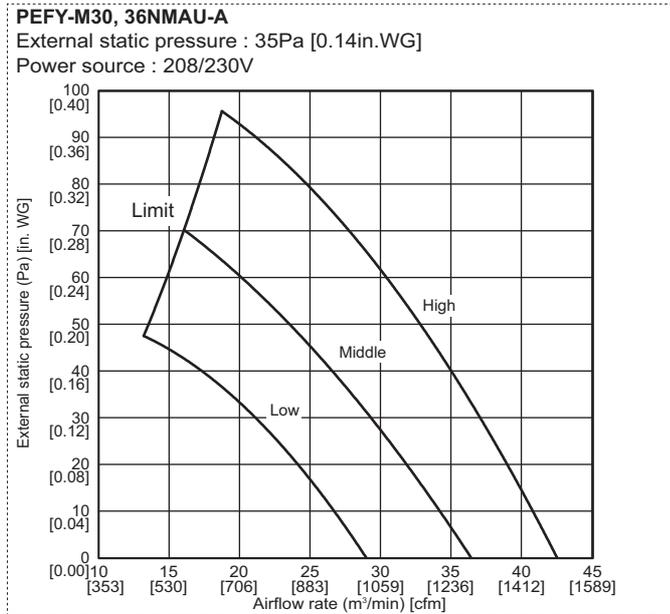


Note: Operate only within the operating range shown in the above fan characteristic curves.

# 6. FAN CHARACTERISTICS CURVES

Ceiling concealed (Medium static pressure type)

PEFY-M-NMAU-A



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

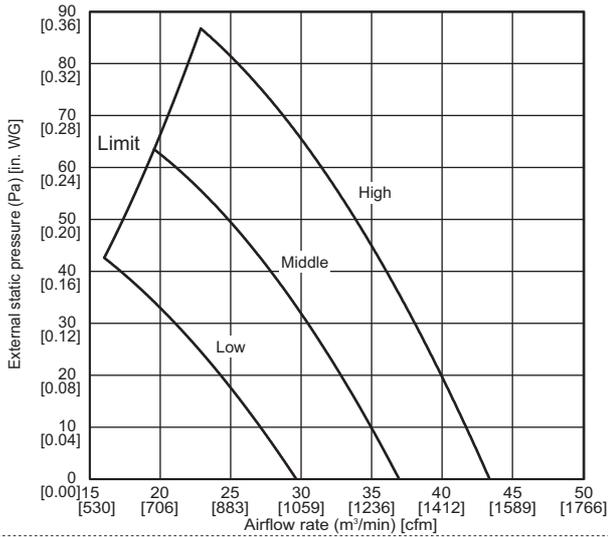
# 6. FAN CHARACTERISTICS CURVES

Ceiling concealed (Medium static pressure type)

PEFY-M-NMAU-A

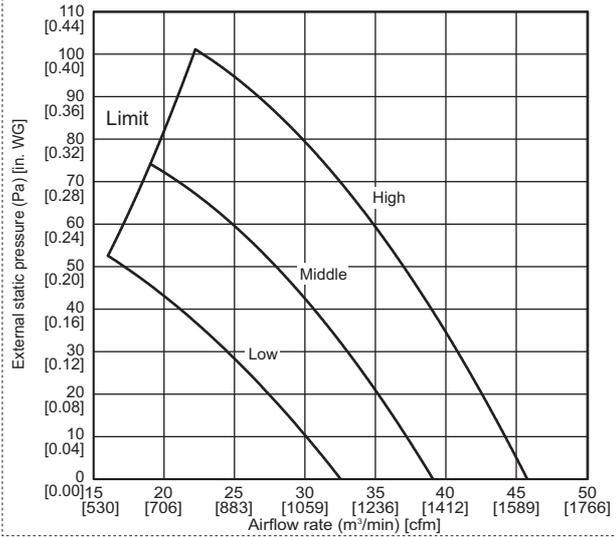
## PEFY-M48NMAU-A

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



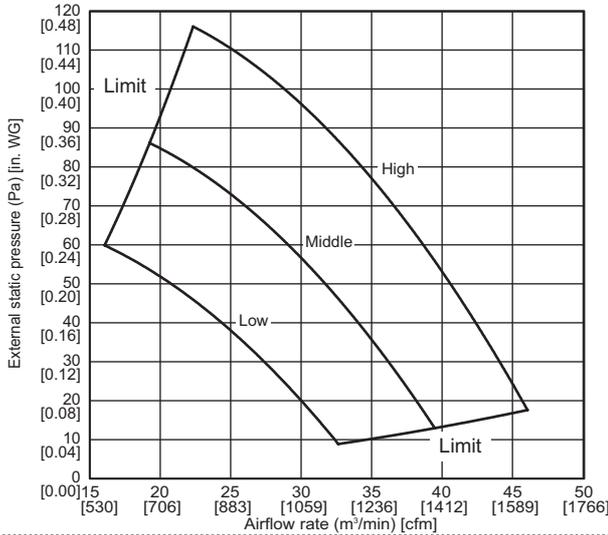
## PEFY-M48NMAU-A

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



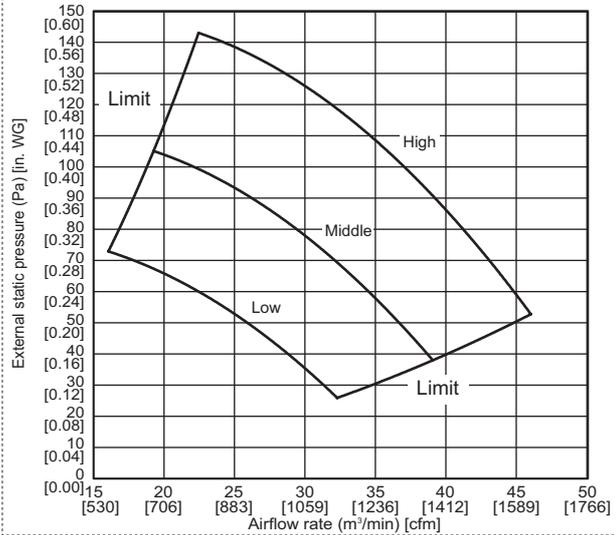
## PEFY-M48NMAU-A

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



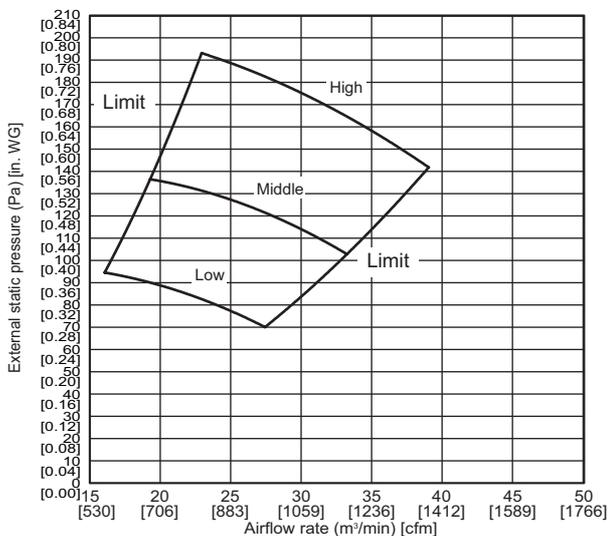
## PEFY-M48NMAU-A

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



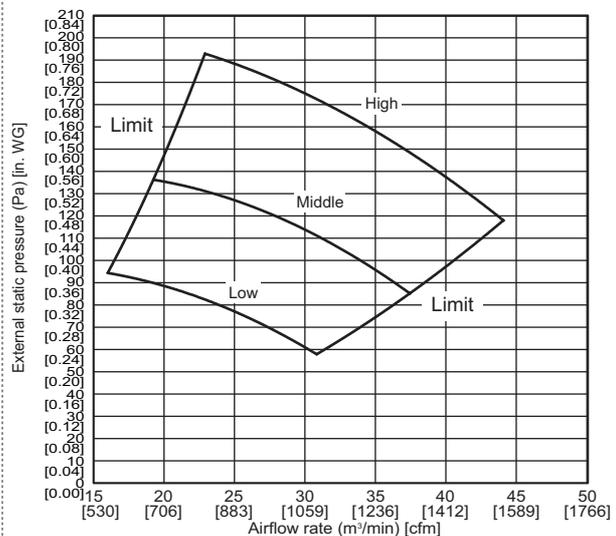
## PEFY-M48NMAU-A

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



## PEFY-M48NMAU-A

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

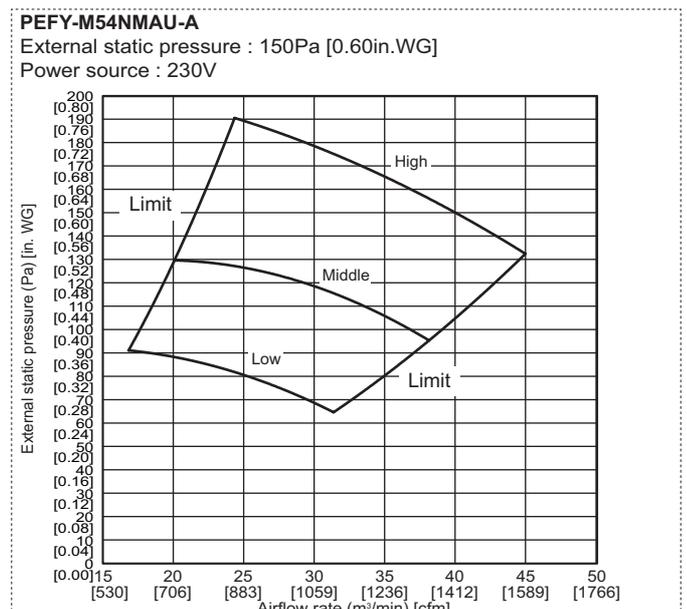
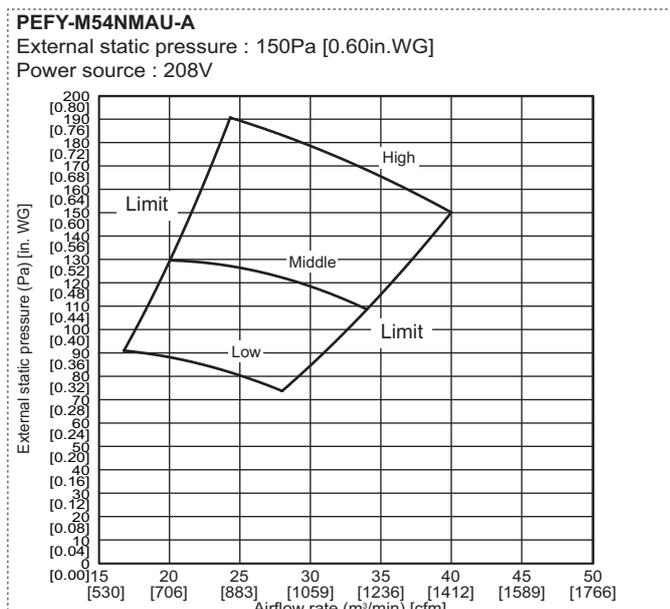
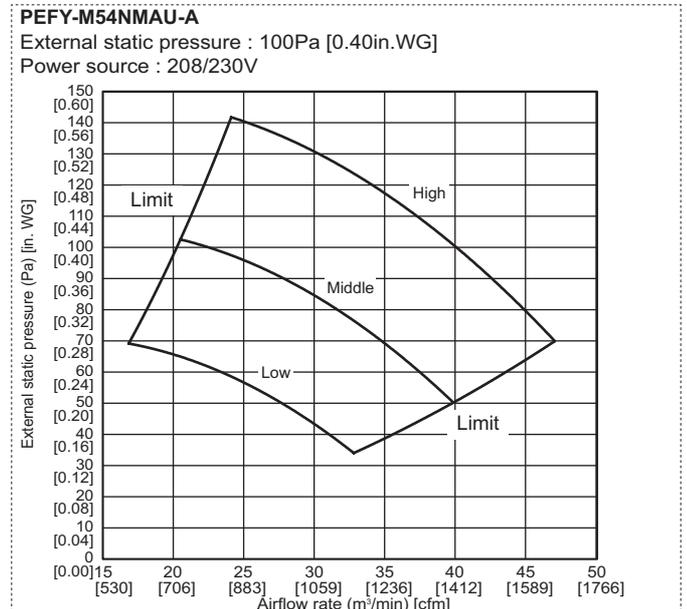
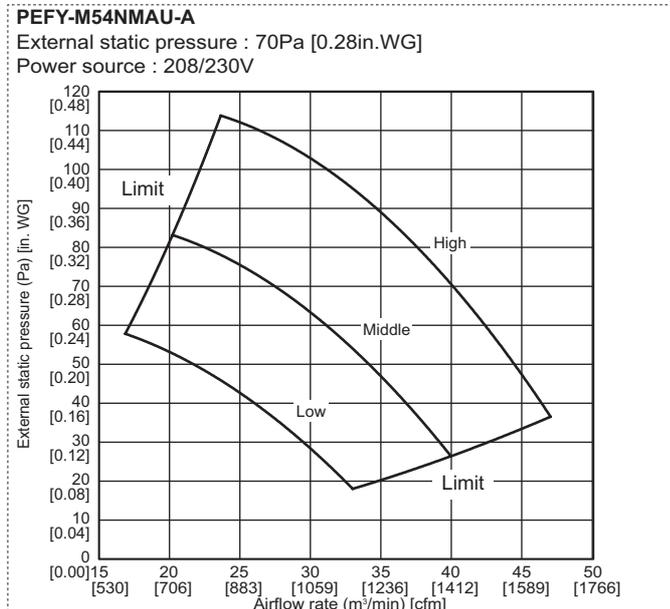
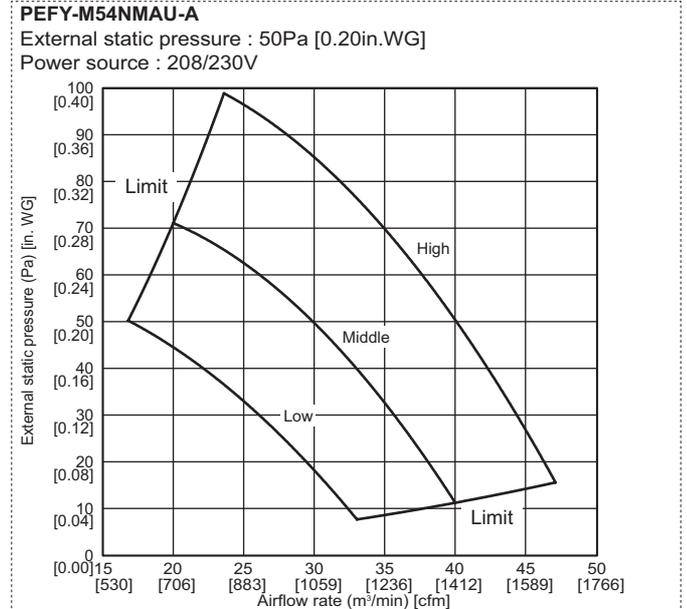
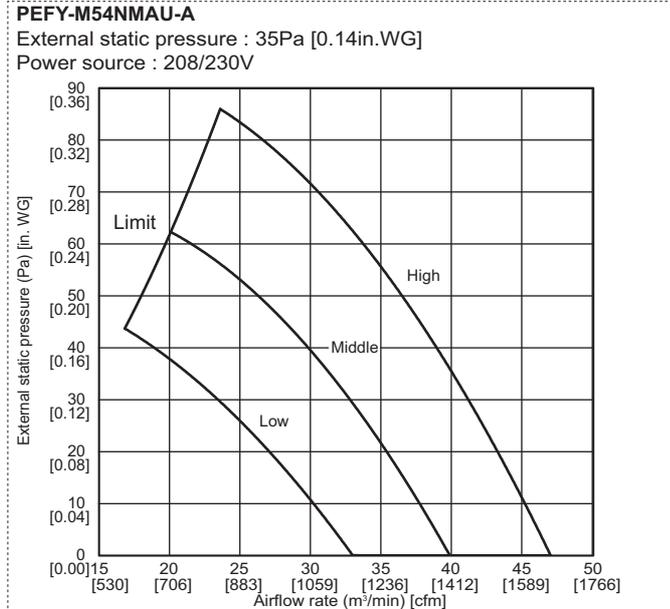


Note: Operate only within the operating range shown in the above fan characteristic curves.

# 6. FAN CHARACTERISTICS CURVES

Ceiling concealed (Medium static pressure type)

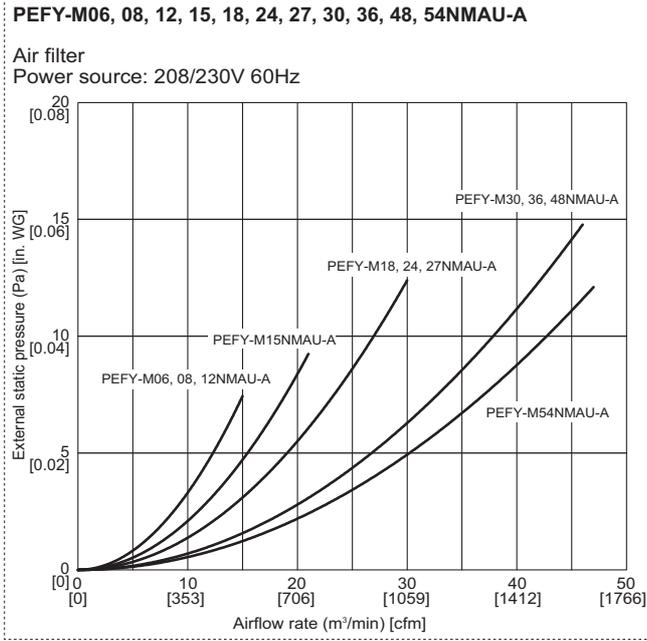
PEFY-M54NMAU-A



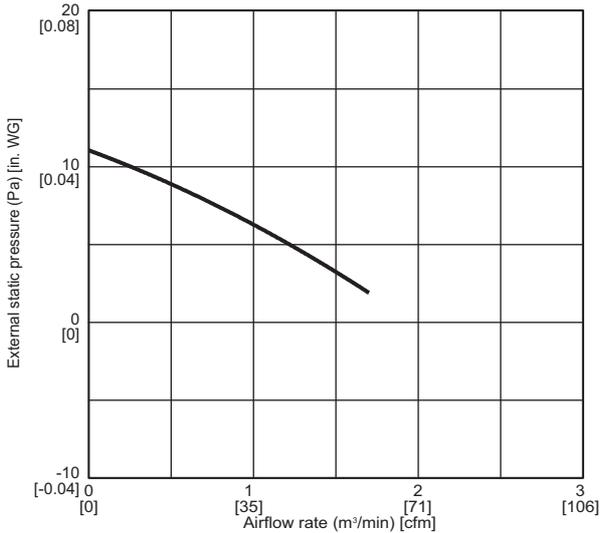
Note: Operate only within the operating range shown in the above fan characteristic curves.

Air filter static pressure curves

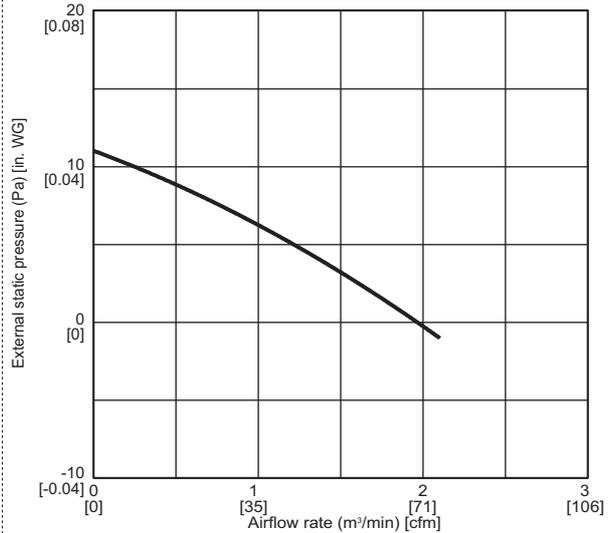
PEFY-M-NMAU-A



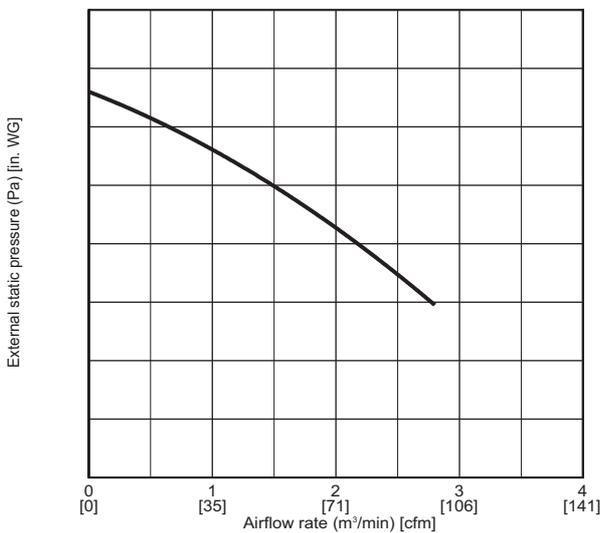
PEFY-M06, 08NMAU-A



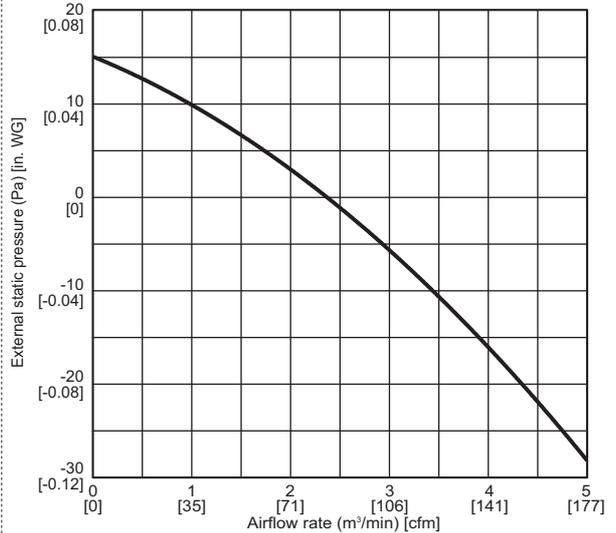
PEFY-M12NMAU-A



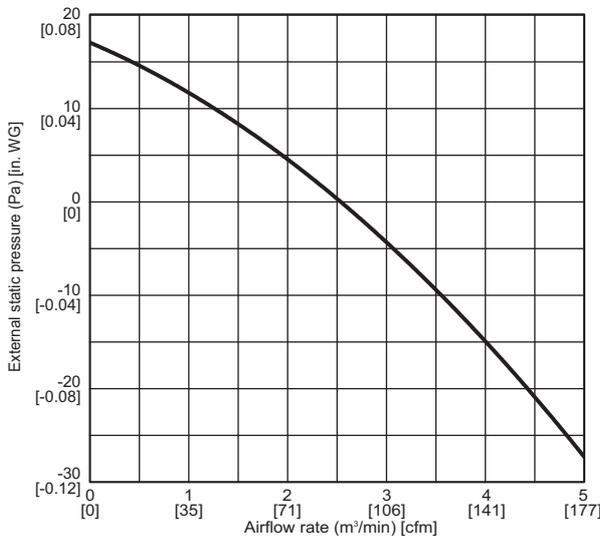
PEFY-M15NMAU-A



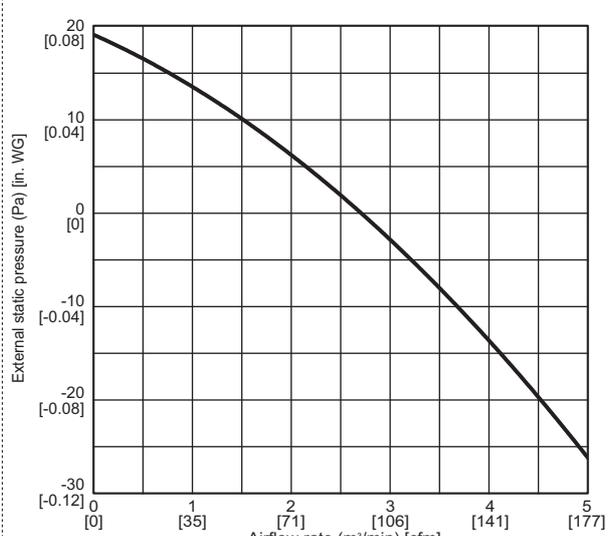
PEFY-M18, 24, 27NMAU-A



PEFY-M30, 36, 48NMAU-A



PEFY-M54NMAU-A



## 8. ELECTRICAL CHARACTERISTICS

Ceiling concealed (Medium static pressure type)

Symbols: MCA: Minimum Circuit Ampacity (= 1.25 x FLA) FLA: Full Load Amps

IFM: Indoor Fan Motor

Output: Fan motor rated output

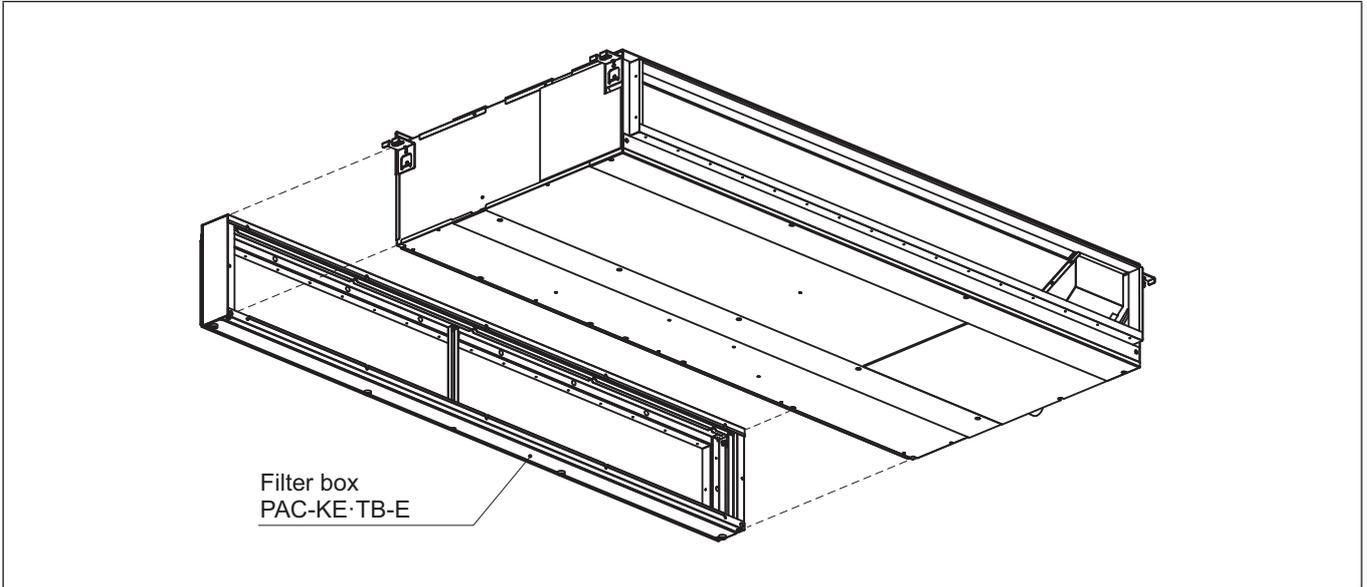
Model	Indoor Unit			IFM		
	Hz	Volts	Voltage range	MCA (A)	Output (kW)	FLA (A)
PEFY-M06NMAU-A	60Hz	208 / 230V	188 to 253V	1.75	0.085	1.40
PEFY-M08NMAU-A				1.75	0.085	1.40
PEFY-M12NMAU-A				1.88	0.085	1.50
PEFY-M15NMAU-A				2.50	0.121	2.00
PEFY-M18NMAU-A				2.50	0.121	2.00
PEFY-M24NMAU-A				2.50	0.121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

PEFY-M-NMAU-A

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

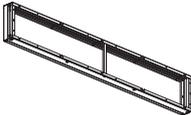
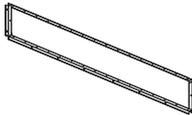
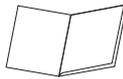
	Filter box	External heater adapter
PEFY-M06, 08, 12NMAU-A	PAC-KE91TB-E	PAC-YU25HT
PEFY-M15NMAU-A	PAC-KE92TB-E	PAC-YU25HT
PEFY-M18, 24, 27NMAU-A	PAC-KE93TB-E	PAC-YU25HT
PEFY-M30, 36, 48NMAU-A	PAC-KE94TB-E	PAC-YU25HT
PEFY-M54NMAU-A	PAC-KE95TB-E	PAC-YU25HT

● 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					

For detailed installation information, refer to the Installation Manual.

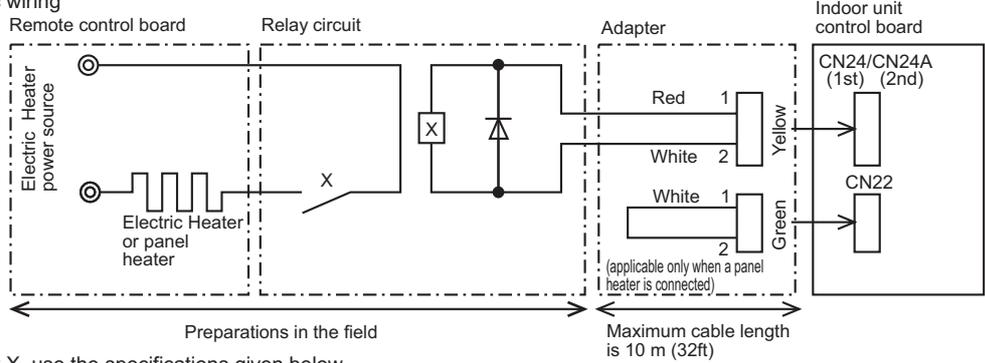
9-3. External heater adapter

PEFY-M-NMAU-A

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

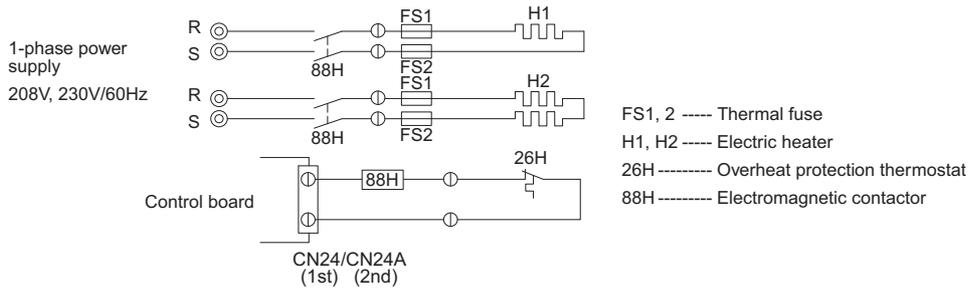
\* Use the diode that is recommended by the relay manufacturer at both ends of the relay coil.

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 mm<sup>2</sup> ~ 1.25 mm<sup>2</sup> (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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