

**PEFY-P-VMR-E-L/R, PEFY-P-VMS1(L)-E, PEFY-P-VMH(S)-E(2)**

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# 1. SPECIFICATIONS

DATA G11

PEFY

Model		PEFY-P20VMR-E-L/R	PEFY-P25VMR-E-L/R	PEFY-P32VMR-E-L/R		
Power source		1-phase 220-240V 50Hz / 220-230V 60Hz				
Cooling capacity (Nominal)	*1	kW	2.2	2.8	3.6	
	*1	kcal / h	1,900	2,400	3,100	
	*1	BTU / h	7,500	9,600	12,300	
	*2	kcal / h	2,000	2,500	3,150	
	*4	Power input	kW	0.06 / 0.06	0.06 / 0.06	0.07 / 0.08
*4	Current input	A	0.29 / 0.29 (220V)	0.29 / 0.29 (220V)	0.34 / 0.38 (220V)	
Heating capacity (Nominal)	*3	kW	2.5	3.2	4.0	
	*3	kcal / h	2,200	2,800	3,400	
	*3	BTU / h	8,500	10,900	13,600	
	*4	Power input	kW	0.06 / 0.06	0.06 / 0.06	0.07 / 0.08
	*4	Current input	A	0.29 / 0.29 (220V)	0.29 / 0.29 (220V)	0.34 / 0.38 (220V)
External finish		Galvanized				
External dimension H x W x D		mm	292 x 640 x 580	292 x 640 x 580	292 x 640 x 580	
		in.	11-1/2 x 25-1/4 x 22-7/8	11-1/2 x 25-1/4 x 22-7/8	11-1/2 x 25-1/4 x 22-7/8	
Net weight		kg (lbs)	18 (40)	18 (40)	18 (40)	
Heat exchanger		Cross fin (Aluminum fin and copper tube)				
FAN	Type x Quantity		Sirocco fan x 1	Sirocco fan x 1	Sirocco fan x 1	
	External (220V) static press. (230, 240V) *5	Pa	5	5	5	
		mmH <sub>2</sub> O	0.5	0.5	0.5	
		Pa	5	5	5	
		mmH <sub>2</sub> O	0.5	0.5	0.5	
	Motor type		1-phase induction motor			
	Motor output	kW	0.018	0.018	0.023	
	Driving mechanism		Direct-driven by motor			
	Airflow rate (Low-Mid-High)	m <sup>3</sup> / min	4.8 - 5.8 - 7.9	4.8 - 5.8 - 7.9	4.8 - 5.8 - 9.3	
		L / s	80 - 97 - 132	80 - 97 - 132	80 - 97 - 155	
cfm		170 - 205 - 279	170 - 205 - 279	170 - 205 - 328		
Sound pressure level (Low-Mid-High) (measured in anechoic room) *4	dB <A>	20 - 25 - 30 * (220V)	20 - 25 - 30 * (220V)	20 - 25 - 33 * (220V)		
	dB <A>	21 - 26 - 32 * (230V)	21 - 26 - 32 * (230V)	21 - 26 - 35 * (230V)		
	dB <A>	22 - 27 - 30 * (240V)	22 - 27 - 30 * (240V)	22 - 27 - 33 * (240V)		
Insulation material		Polystyrene foam, Polyethylene foam, Urethane foam				
Air filter		PP Honeycomb fabric (washable)				
Protection device		Fuse				
Refrigerant control device		LEV				
Connectable outdoor unit		R410A CITY MULTI				
Diameter of refrigerant pipe	Liquid (R410A)	mm (in.)	ø6.35 (ø1/4) Brazed	ø6.35 (ø1/4) Brazed	ø6.35 (ø1/4) Brazed	
	Gas (R410A)	mm (in.)	ø12.7 (ø1/2) Brazed	ø12.7 (ø1/2) Brazed	ø12.7 (ø1/2) Brazed	
Field drain pipe size		mm (in.)	O.D. 26mm (1)			
Drawing	External		IU-KB94-C854	IU-KB94-C854	IU-KB94-C854	
	Wiring		IU-KB94-C858	IU-KB94-C858	IU-KB94-C858	
	Refrigerant cycle		-	-	-	
Standard attachment	Document Accessory		Installation Manual, Instruction Book Drain hose I.D. 26mm (1) (flexible joint)			
Remark		* Above sound pressure level is tested in rear air inlet case. It will be a little higher in bottom air inlet case.				
Installation		Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual.				
<b>Note :</b>		*1 Nominal cooling conditions Indoor : 27°CDB/19°CWB (81°FDB/66°FWB) Outdoor : 35°CDB (95°FDB) Pipe length : 7.5 m (24-9/16 ft) Level difference : 0 m (0 ft)	*2 Nominal cooling conditions 27°CDB/19.5°CWB (81°FDB/67°FWB) 35°CDB (95°FDB) 5 m (16-3/8 ft) 0 m (0 ft)	*3 Nominal heating conditions 20°CDB (68°FDB) 7°CDB/6°CWB (45°FDB/43°FWB) 7.5 m (24-9/16 ft) 0 m (0 ft)	Unit converter kcal/h = kW x 860 BTU/h = kW x 3,412 cfm = m <sup>3</sup> /min x 35.31 lbs = kg / 0.4536	
		* Nominal conditions *1, *3 are subject to JIS B8615-2. * Due to continuing improvement, above specification may be subject to change without notice. *4 The values are measured at the factory setting of external static pressure. *5 The external static pressure is set to 5 Pa and 0.5 mmH <sub>2</sub> O.			*Above specification data is subject to rounding variation.	

# 1. SPECIFICATIONS

Model		PEFY-P15VMS1(L)-E	PEFY-P20VMS1(L)-E	PEFY-P25VMS1(L)-E	PEFY-P32VMS1(L)-E		
Power source		220-240V (50/60Hz)					
Cooling capacity (Nominal)	*1	kW	1.7	2.2	2.8	3.6	
	*1	kcal / h	1,450	1,900	2,400	3,100	
	*1	BTU / h	5,800	7,500	9,600	12,300	
	*2	kcal / h	1,500	2,000	2,500	3,150	
	*4	Power input	kW	0.05<0.03>	0.05<0.03>	0.06<0.04>	0.07<0.05>
*4	Current input	A	0.42<0.31>	0.47<0.36>	0.50<0.39>	0.50<0.39>	
Heating capacity (Nominal )	*3	kW	1.9	2.5	3.2	4.0	
	*3	kcal / h	1,600	2,200	2,800	3,400	
	*3	BTU / h	6,500	8,500	10,900	13,600	
	*4	Power input	kW	0.03<0.03>	0.03<0.03>	0.04<0.04>	0.05<0.05>
	*4	Current input	A	0.31<0.31>	0.36<0.36>	0.39<0.39>	0.39<0.39>
External finish		Galvanized					
External dimension H x W x D		mm	200 x 790 x 700	200 x 790 x 700	200 x 790 x 700	200 x 790 x 700	
		in.	7-7/8 x 31-1/8 x 27-9/16	7-7/8 x 31-1/8 x 27-9/16	7-7/8 x 31-1/8 x 27-9/16	7-7/8 x 31-1/8 x 27-9/16	
Net weight		kg (lbs)	19(42)<18(40)>	19(42)<18(40)>	19(42)<18(40)>	20(44)<19(42)>	
Heat exchanger		Cross fin (Aluminum fin and copper tube)					
FAN	Type x Quantity		Sirocco fan x 2	Sirocco fan x 2	Sirocco fan x 2	Sirocco fan x 2	
	External (220V) static press. (230, 240V)	Pa	<5> - 15 - <35> - <50>	<5> - 15 - <35> - <50>	<5> - 15 - <35> - <50>	<5> - 15 - <35> - <50>	
		mmH <sub>2</sub> O	<0.5> - 1.5 - <3.6> - <5.1>	<0.5> - 1.5 - <3.6> - <5.1>	<0.5> - 1.5 - <3.6> - <5.1>	<0.5> - 1.5 - <3.6> - <5.1>	
		Pa	<5> - 15 - <35> - <50>	<5> - 15 - <35> - <50>	<5> - 15 - <35> - <50>	<5> - 15 - <35> - <50>	
		*5 mmH <sub>2</sub> O	<0.5> - 1.5 - <3.6> - <5.1>	<0.5> - 1.5 - <3.6> - <5.1>	<0.5> - 1.5 - <3.6> - <5.1>	<0.5> - 1.5 - <3.6> - <5.1>	
	Motor type		DC motor				
	Motor output		kW	0.096	0.096	0.096	0.096
	Driving mechanism		Direct-driven				
	Airflow rate (Low-Mid-High)	m <sup>3</sup> / min		5 - 6 - 7	5.5 - 6.5 - 8	5.5 - 7 - 9	6 - 8 - 10
		L / s		83 - 100 - 117	91 - 108 - 133	91 - 117 - 150	100 - 133 - 167
cfm		176 - 212 - 247	194 - 229 - 282	194 - 247 - 317	212 - 282 - 353		
Sound pressure level (Low-Mid-High) (measured in anechoic room)		*4 dB <A>	22 - 24 - 28(15Pa,220-240V)	23 - 25 - 29(15Pa,220-240V)	24 - 26 - 30(15Pa,220-240V)	24 - 27 - 32(15Pa,220-240V)	
Insulation material		Polystyrene foam, Polyethylene foam, Urethane foam					
Air filter		PP Honeycomb fabric (washable)					
Protection device		Fuse					
Refrigerant control device		LEV					
Connectable outdoor unit		R410A CITY MULTI					
Diameter of refrigerant pipe	Liquid (R410A)	mm (in.)	ø6.35 (ø1/4) Brazed	ø6.35 (ø1/4) Brazed	ø6.35 (ø1/4) Brazed	ø6.35 (ø1/4) Brazed	
	Gas (R410A)	mm (in.)	ø12.7 (ø1/2) Brazed	ø12.7 (ø1/2) Brazed	ø12.7 (ø1/2) Brazed	ø12.7 (ø1/2) Brazed	
Field drain pipe size		mm (in.)	O.D. 32mm (1-1/4)				
Drawing	External		IU-KB94-G728<IU-KB94-G731>	IU-KB94-G728<IU-KB94-G731>	IU-KB94-G728<IU-KB94-G731>	IU-KB94-G728<IU-KB94-G731>	
	Wiring		IU-KB94-G668	IU-KB94-G668	IU-KB94-G668	IU-KB94-G668	
	Refrigerant cycle		-	-	-	-	
Standard attachment	Document		Installation Manual, Instruction Book				
	Accessory		Drain hose (flexible joint)				
Remark	Optional parts						
	Drain pump		<PAC-KE07DM-E>	<PAC-KE07DM-E>	<PAC-KE07DM-E>	<PAC-KE07DM-E>	
	Control Box Replace kit		<PAC-KE70HS-E>	<PAC-KE70HS-E>	<PAC-KE70HS-E>	<PAC-KE70HS-E>	
	Installation		Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual.				
<b>Note :</b>		*1 Nominal cooling conditions Indoor : 27°CDB/19°CWB (81°FDB/66°FWB) Outdoor : 35°CDB (95°FDB) Pipe length : 7.5 m (24-9/16 ft) Level difference : 0 m (0 ft)	*2 Nominal cooling conditions 27°CDB/19.5°CWB (81°FDB/67°FWB) 35°CDB (95°FDB) 5 m (16-3/8 ft) 0 m (0 ft)	*3 Nominal heating conditions 20°CDB (68°FDB) 7°CDB/6°CWB (45°FDB/43°FWB) 7.5 m (24-9/16 ft) 0 m (0 ft)	Unit converter kcal/h = kW x 860 BTU/h = kW x 3,412 cfm = m <sup>3</sup> /min x 35.31 lbs = kg / 0.4536		
* Nominal conditions *1, *3 are subject to JIS B8615-2.		* Due to continuing improvement, above specification may be subject to change without notice.		* The external static pressure is set to 15 Pa at factory shipment. * < > is in case of PEFY-P-VMS1(L)-E model.		*Above specification data is subject to rounding variation.	
*4 The values are measured at the factory setting of external static pressure. *5 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.							

# 1. SPECIFICATIONS

DATA G11

PEFY

Model		PEFY-P40VMS1(L)-E	PEFY-P50VMS1(L)-E	PEFY-P63VMS1(L)-E		
Power source		220-240V (50/60Hz)				
Cooling capacity (Nominal)	*1	kW	4.5	5.6	7.1	
	*1	kcal / h	3,900	4,800	6,100	
	*1	BTU / h	15,400	19,100	24,200	
	*2	kcal / h	4,000	5,000	6,300	
	*4	Power input	kW	0.07<0.05>	0.09<0.07>	0.09<0.07>
*4	Current input	A	0.56<0.45>	0.67<0.56>	0.72<0.61>	
Heating capacity (Nominal)	*3	kW	5.0	6.3	8.0	
	*3	kcal / h	4,300	5,400	6,900	
	*3	BTU / h	17,100	21,500	27,300	
	*4	Power input	kW	0.05<0.05>	0.07<0.07>	0.07<0.07>
	*4	Current input	A	0.45<0.45>	0.56<0.56>	0.61<0.61>
External finish		Galvanized				
External dimension H x W x D		mm	200 x 990 x 700	200 x 990 x 700	200 x 1190 x 700	
		in.	7-7/8 x 39 x 27-9/16	7-7/8 x 39 x 27-9/16	7-7/8 x 46-7/8 x 27-9/16	
Net weight		kg (lbs)	24(53)<23(51)>	24(53)<23(51)>	28(62)<27(60)>	
Heat exchanger		Cross fin (Aluminum fin and copper tube)				
FAN	Type x Quantity		Sirocco fan x 3	Sirocco fan x 3	Sirocco fan x 4	
	External (220V) static press. (230, 240V)	Pa	<5> - 15 - <35> - <50>	<5> - 15 - <35> - <50>	<5> - 15 - <35> - <50>	
		mmH <sub>2</sub> O	<0.5> - 1.5 - <3.6> - <5.1>	<0.5> - 1.5 - <3.6> - <5.1>	<0.5> - 1.5 - <3.6> - <5.1>	
		Pa	<5> - 15 - <35> - <50>	<5> - 15 - <35> - <50>	<5> - 15 - <35> - <50>	
	*5	mmH <sub>2</sub> O	<0.5> - 1.5 - <3.6> - <5.1>	<0.5> - 1.5 - <3.6> - <5.1>	<0.5> - 1.5 - <3.6> - <5.1>	
	Motor type		DC motor			
	Motor output		kW	0.096	0.096	0.096
	Driving mechanism		Direct-driven			
	Airflow rate (Low-Mid-High)	m <sup>3</sup> / min	8 - 9.5 - 11	9.5 - 11 - 13	12 - 14 - 16.5	
		L / s	133 - 158 - 183	158 - 183 - 217	200 - 233 - 275	
cfm		282 - 335 - 388	335 - 388 - 459	424 - 494 - 583		
Sound pressure level (Low-Mid-High) (measured in anechoic room) *4		dB <A>	28 - 30 - 33 (15Pa,220-240V)	30 - 32 - 35 (15Pa,220-240V)	30 - 33 - 36 (15Pa,220-240V)	
Insulation material		Polystyrene foam, Polyethylene foam, Urethane foam				
Air filter		PP Honeycomb fabric (washable)				
Protection device		Fuse				
Refrigerant control device		LEV				
Connectable outdoor unit		R410A CITY MULTI				
Diameter of refrigerant pipe	Liquid (R410A)	mm (in.)	ø6.35 (ø1/4) Brazed	ø6.35 (ø1/4) Brazed	ø9.52 (ø3/8) Brazed	
	Gas (R410A)	mm (in.)	ø12.7 (ø1/2) Brazed	ø12.7 (ø1/2) Brazed	ø15.88 (ø5/8) Brazed	
Field drain pipe size		mm (in.)	O.D. 32mm (1-1/4)			
Drawing	External	IU-KB94-G728(IU-KB94-G731)	IU-KB94-G728(IU-KB94-G731)	IU-KB94-G728(IU-KB94-G731)		
	Wiring	IU-KB94-G668	IU-KB94-G668	IU-KB94-G668		
	Refrigerant cycle	-	-	-		
Standard attachment	Document	Installation Manual, Instruction Book				
	Accessory	Drain hose (flexible joint)				
Remark	Optional parts					
	Drain pump		<PAC-KE07DM-E>	<PAC-KE07DM-E>	<PAC-KE07DM-E>	
	Control Box Replace kit		<PAC-KE70HS-E>	<PAC-KE70HS-E>	<PAC-KE70HS-E>	
Installation		Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual.				
<b>Note :</b>		*1 Nominal cooling conditions Indoor : 27°CDB/19°CWB (81°FDB/66°FWB) Outdoor : 35°CDB (95°FDB) Pipe length : 7.5 m (24-9/16 ft) Level difference : 0 m (0 ft)	*2 Nominal cooling conditions 27°CDB/19.5°CWB (81°FDB/67°FWB) 35°CDB (95°FDB) 5 m (16-3/8 ft) 0 m (0 ft)	*3 Nominal heating conditions 20°CDB (68°FDB) 7°CDB/6°CWB (45°FDB/43°FWB) 7.5 m (24-9/16 ft) 0 m (0 ft)	Unit converter kcal/h = kW x 860 BTU/h = kW x 3,412 cfm = m <sup>3</sup> /min x 35.31 lbs = kg / 0.4536 *Above specification data is subject to rounding variation.	
* Nominal conditions *1, *3 are subject to JIS B8615-2.		* Due to continuing improvement, above specification may be subject to change without notice.		* The external static pressure is set to 15 Pa at factory shipment. * < > is in case of PEFY-P-VMS1L-E model.		
*4 The values are measured at the factory setting of external static pressure.						
*5 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.						



Model		PEFY-P40VMH-E2	PEFY-P50VMH-E2	PEFY-P63VMH-E2	PEFY-P71VMH-E2	
Power source		1-phase 220-230-240 V 50/60 Hz	1-phase 220-230-240 V 50/60 Hz	1-phase 220-230-240 V 50/60 Hz	1-phase 220-230-240 V 50/60 Hz	
Cooling capacity (Nominal)	*1 kW	4.5	5.6	7.1	8.0	
	*1 kcal/h	3,900	4,800	6,100	6,900	
	*1 BTU/h	15,400	19,100	24,200	27,300	
	*2 Power input kW	0.190/0.230	0.190/0.230	0.240/0.300	0.260/0.330	
	*2 Current input A	0.88/1.06	0.88/1.06	1.12/1.38	1.20/1.51	
Heating capacity (Nominal)	*3 kW	5.0	6.3	8.0	9.0	
	*3 kcal/h	4,300	5,400	6,900	7,700	
	*3 BTU/h	17,100	21,500	27,300	30,700	
	*2 Power input kW	0.190/0.230	0.190/0.230	0.240/0.300	0.260/0.330	
	*2 Current input A	0.88/1.06	0.88/1.06	1.12/1.38	1.20/1.51	
External finish		Galvanized steel plate	Galvanized steel plate	Galvanized steel plate	Galvanized steel plate	
External dimension H x W x D		mm	380 x 745 x 900	380 x 745 x 900	380 x 745 x 900	
		in.	15 x 29-3/8 x 35-7/16	15 x 29-3/8 x 35-7/16	15 x 29-3/8 x 35-7/16	15 x 40-9/16 x 35-7/16
Net weight		kg (lbs)	42 (93)	42 (93)	43 (95)	
Heat exchanger		Cross fin (Aluminum fin and copper tube)	Cross fin (Aluminum fin and copper tube)	Cross fin (Aluminum fin and copper tube)	Cross fin (Aluminum fin and copper tube)	
FAN	Type x Quantity		Sirocco fan x 1	Sirocco fan x 1	Sirocco fan x 1	Sirocco fan x 2
	*4 External static press. (220V) (230,240V)	Pa	<50> - 100 - <200>	<50> - 100 - <200>	<50> - 100 - <200>	<50> - 100 - <200>
		mmH <sub>2</sub> O	<5.1> - 10.2 - <20.4>	<5.1> - 10.2 - <20.4>	<5.1> - 10.2 - <20.4>	<5.1> - 10.2 - <20.4>
		Pa	<100> - 150 - <200>	<100> - 150 - <200>	<100> - 150 - <200>	<100> - 150 - <200>
		mmH <sub>2</sub> O	<10.2> - 15.3 - <20.4>	<10.2> - 15.3 - <20.4>	<10.2> - 15.3 - <20.4>	<10.2> - 15.3 - <20.4>
	Motor Type		1-phase induction motor	1-phase induction motor	1-phase induction motor	1-phase induction motor
	Motor output kW		0.130	0.130	0.180	0.230
	Driving mechanism		Direct-driven by motor	Direct-driven by motor	Direct-driven by motor	Direct-driven by motor
	Air flow rate		(Low-High)	(Low-High)	(Low-High)	(Low-High)
			m <sup>3</sup> /min	10.0 - 14.0	10.0 - 14.0	13.5 - 19.0
L/s			167 - 233	167 - 233	225 - 317	258 - 367
		cfm	353 - 494	353 - 494	477 - 671	547 - 777
Sound pressure level (measured in anechoic room)		*2 (220V) (230,240V)	(Low-High)	(Low-High)	(Low-High)	(Low-High)
		dB <A>	27-34	27-34	32-38	32-39
			31-37	31-37	36-41	35-41
Insulation material		Polystyrene foam, Polyethylene foam, Urethane foam	Polystyrene foam, Polyethylene foam, Urethane foam	Polystyrene foam, Polyethylene foam, Urethane foam	Polystyrene foam, Polyethylene foam, Urethane foam	
Air filter		Option:Synthetic fiber woven cloth filter (long life filter) and filter box are recommended.	Option:Synthetic fiber woven cloth filter (long life filter) and filter box are recommended.	Option:Synthetic fiber woven cloth filter (long life filter) and filter box are recommended.	Option:Synthetic fiber woven cloth filter (long life filter) and filter box are recommended.	
Protection device		Fuse	Fuse	Fuse	Fuse	
Refrigerant control device		LEV	LEV	LEV	LEV	
Connectable outdoor unit		R410A CITY MULTI	R410A CITY MULTI	R410A CITY MULTI	R410A CITY MULTI	
Refrigerant piping diameter	Liquid	mm (in.)	6.35 (1/4)Braze	6.35 (1/4)Braze	9.52 (3/8)Braze	9.52 (3/8)Braze
	Gas	mm (in.)	12.7 (1/2)Braze	12.7 (1/2)Braze	15.88 (5/8)Braze	15.88 (5/8)Braze
Field drain pipe size		mm (in.)	O.D.32 (1-1/4)	O.D.32 (1-1/4)	O.D.32 (1-1/4)	O.D.32 (1-1/4)
Drawing	External		KJ94R540	KJ94R540	KJ94R540	KJ94R540
	Wiring		KJ94R541	KJ94R541	KJ94R541	KJ94R541
	Refrigerant cycle		-	-	-	-
Standard attachment	Document		Installation Manual, Instruction Book	Installation Manual, Instruction Book	Installation Manual, Instruction Book	Installation Manual, Instruction Book
	Accessory		Insulation pipe for refrigerant pipe, Washer, Drain hose, Tie band	Insulation pipe for refrigerant pipe, Washer, Drain hose, Tie band	Insulation pipe for refrigerant pipe, Washer, Drain hose, Tie band	Insulation pipe for refrigerant pipe, Washer, Drain hose, Tie band
Optional parts	Drain pump kit		PAC-DRP10DP-E	PAC-DRP10DP-E	PAC-DRP10DP-E	PAC-DRP10DP-E
	Long life filter		PAC-KE86LAF	PAC-KE86LAF	PAC-KE86LAF	PAC-KE88LAF
	Filter box		PAC-KE63TB-F	PAC-KE63TB-F	PAC-KE63TB-F	PAC-KE80TB-F
Remarks		* Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual. * Due to continuing improvement, above specifications may be subject to change without notice.				

Notes:	Unit converter
1.Nominal cooling conditions Indoor: 27°C.D.B./19°C.W.B. (81°F.D.B./66°F.W.B.), Outdoor: 35°C.D.B. (95°F.D.B.) Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)	kcal/h =kW x 860
2.The values are measured at the factory setting of external static pressure.	BTU/h =kW x 3,412
3.Nominal heating conditions Indoor: 20°C.D.B. (68°F.D.B.), Outdoor: 7°C.D.B./6°C.W.B. (45°F.D.B./43°F.W.B.) Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)	cfm =m <sup>3</sup> /min x 35.31
4.The factory setting of external static pressure is shown without < > . Refer to "Fan characteristics curves", according to the external static pressure, in DATA BOOK for the usable range of air flow rate.	lbs =kg/0.4536
	*Above specification data is subject to rounding variation.

# 1. SPECIFICATIONS

DATA G11

PEFY

Model		PEFY-P80VMH-E2	PEFY-P100VMH-E2	PEFY-P125VMH-E2	PEFY-P140VMH-E2	
Power source		1-phase 220-230-240 V 50/60 Hz	1-phase 220-230-240 V 50/60 Hz	1-phase 220-230-240 V 50/60 Hz	1-phase 220-230-240 V 50/60 Hz	
Cooling capacity (Nominal)	*1 kW	9.0	11.2	14.0	16.0	
	*1 kcal/h	7,700	9,600	12,000	13,800	
	*1 BTU/h	30,700	38,200	47,800	54,600	
	*2 Power input kW	0.320/0.400	0.480/0.580	0.480/0.580	0.480/0.590	
	*2 Current input A	1.47/1.83	2.34/2.66	2.34/2.66	2.35/2.70	
Heating capacity (Nominal)	*3 kW	10.0	12.5	16.0	18.0	
	*3 kcal/h	8,600	10,800	13,800	15,500	
	*3 BTU/h	34,100	42,700	54,600	61,400	
	*2 Power input kW	0.320/0.400	0.480/0.580	0.480/0.580	0.480/0.590	
	*2 Current input A	1.47/1.83	2.34/2.66	2.34/2.66	2.35/2.70	
External finish		Galvanized steel plate	Galvanized steel plate	Galvanized steel plate	Galvanized steel plate	
External dimension H x W x D		mm	380 x 1,030 x 900	380 x 1,195 x 900	380 x 1,195 x 900	
		in.	15 x 40-9/16 x 35-7/16	15 x 47-1/16 x 35-7/16	15 x 47-1/16 x 35-7/16	15 x 47-1/16 x 35-7/16
Net weight		kg (lbs)	57 (126)	66 (146)	66 (146)	
Heat exchanger		Cross fin (Aluminum fin and copper tube)	Cross fin (Aluminum fin and copper tube)	Cross fin (Aluminum fin and copper tube)	Cross fin (Aluminum fin and copper tube)	
FAN	Type x Quantity		Sirocco fan x 2	Sirocco fan x 2	Sirocco fan x 2	
	*4 External static press.	(220V) Pa	<50> - 100 - <200>	<50> - 100 - <200>	<50> - 100 - <200>	<50> - 100 - <200>
		(230,240V) mmH <sub>2</sub> O	<5.1> - 10.2 - <20.4>	<5.1> - 10.2 - <20.4>	<5.1> - 10.2 - <20.4>	<5.1> - 10.2 - <20.4>
		Pa	<100> - 150 - <200>	<100> - 150 - <200>	<100> - 150 - <200>	<100> - 150 - <200>
		mmH <sub>2</sub> O	<10.2> - 15.3 - <20.4>	<10.2> - 15.3 - <20.4>	<10.2> - 15.3 - <20.4>	<10.2> - 15.3 - <20.4>
	Motor Type		1-phase induction motor	1-phase induction motor	1-phase induction motor	1-phase induction motor
	Motor output kW		0.230	0.400	0.400	0.400
	Driving mechanism		Direct-driven by motor	Direct-driven by motor	Direct-driven by motor	Direct-driven by motor
	Air flow rate		(Low-High)	(Low-High)	(Low-High)	(Low-High)
			m <sup>3</sup> /min	18.0 - 25.0	26.5 - 38.0	26.5 - 38.0
L/s			300 - 417	442 - 633	442 - 633	467 - 667
	cfm	636 - 883	936 - 1,342	936 - 1,342	989 - 1,412	
Sound pressure level (measured in anechoic room)		*2 (220V)	(Low-High)	(Low-High)	(Low-High)	
		(230,240V) dB <A>	35-41	34-42	34-42	34-42
Insulation material		Polystyrene foam, Polyethylene foam, Urethane foam	Polystyrene foam, Polyethylene foam, Urethane foam	Polystyrene foam, Polyethylene foam, Urethane foam	Polystyrene foam, Polyethylene foam, Urethane foam	
Air filter		Option:Synthetic fiber unwoven cloth filter (long life filter) and filter box are recommended.	Option:Synthetic fiber unwoven cloth filter (long life filter) and filter box are recommended.	Option:Synthetic fiber unwoven cloth filter (long life filter) and filter box are recommended.	Option:Synthetic fiber unwoven cloth filter (long life filter) and filter box are recommended.	
Protection device		Fuse	Fuse	Fuse	Fuse	
Refrigerant control device		LEV	LEV	LEV	LEV	
Connectable outdoor unit		R410A CITY MULTI	R410A CITY MULTI	R410A CITY MULTI	R410A CITY MULTI	
Refrigerant piping diameter	Liquid mm (in.)	9.52 (3/8)Braze	9.52 (3/8)Braze	9.52 (3/8)Braze	9.52 (3/8)Braze	
	Gas mm (in.)	15.88 (5/8)Braze	15.88 (5/8)Braze	15.88 (5/8)Braze	15.88 (5/8)Braze	
Field drain pipe size		mm (in.)	O.D.32 (1-1/4)	O.D.32 (1-1/4)	O.D.32 (1-1/4)	
Drawing	External	KJ94R540	KJ94R540	KJ94R540	KJ94R540	
	Wiring	KJ94R541	KJ94R541	KJ94R541	KJ94R541	
	Refrigerant cycle	-	-	-	-	
Standard attachment	Document	Installation Manual, Instruction Book	Installation Manual, Instruction Book	Installation Manual, Instruction Book	Installation Manual, Instruction Book	
	Accessory	Insulation pipe for refrigerant pipe, Washer, Drain hose, Tie band	Insulation pipe for refrigerant pipe, Washer, Drain hose, Tie band	Insulation pipe for refrigerant pipe, Washer, Drain hose, Tie band	Insulation pipe for refrigerant pipe, Washer, Drain hose, Tie band	
Optional parts	Drain pump kit	PAC-DRP10DP-E	PAC-DRP10DP-E	PAC-DRP10DP-E	PAC-DRP10DP-E	
	Long life filter	PAC-KE88LAF	PAC-KE89LAF	PAC-KE89LAF	PAC-KE89LAF	
	Filter box	PAC-KE80TB-F	PAC-KE140TB-F	PAC-KE140TB-F	PAC-KE140TB-F	
Remarks		* Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual. * Due to continuing improvement, above specifications may be subject to change without notice.				

Notes:	Unit converter
1.Nominal cooling conditions Indoor: 27°C.D.B./19°C.W.B. (81°F.D.B./66°F.W.B.), Outdoor: 35°C.D.B. (95°F.D.B.) Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)	kcal/h =kW x 860
2.The values are measured at the factory setting of external static pressure.	BTU/h =kW x 3,412
3.Nominal heating conditions Indoor: 20°C.D.B. (68°F.D.B.), Outdoor: 7°C.D.B./6°C.W.B. (45°F.D.B./43°F.W.B.) Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)	cfm =m <sup>3</sup> /min x 35.31
4.The factory setting of external static pressure is shown without < >. Refer to "Fan characteristics curves", according to the external static pressure, in DATA BOOK for the usable range of air flow rate.	lbs =kg/0.4536
	*Above specification data is subject to rounding variation.

# 1. SPECIFICATIONS

Model		PEFY-P200VMH-E	PEFY-P250VMH-E		
Power source		3-phase, 4-wire, 380-415V 50/60Hz			
Cooling capacity (Nominal)	*1	kW	22.4	28.0	
	*1	kcal / h	19,300	24,100	
	*1	BTU / h	76,400	95,500	
	*2	kcal / h	20,000	25,000	
	*4	Power input	kW	0.99 / 1.14	1.23 / 1.41
	*4	Current input	A	1.62 / 1.86	2.0 / 2.3
Heating capacity (Nominal )	*3	kW	25.0	31.5	
	*3	kcal / h	21,500	27,100	
	*3	BTU / h	85,300	107,500	
	*4	Power input	kW	0.99 / 1.14	1.23 / 1.41
	*4	Current input	A	1.62 / 1.86	2.0 / 2.3
	External finish		Galvanized		
External dimension H x W x D		mm	470 X 1,250 X 1,120	470 X 1,250 X 1,120	
		in.	18-9/16 x 49-1/4 x 44-1/8	18-9/16 x 49-1/4 x 44-1/8	
Net weight		kg (lbs)	100 (221)	100 (221)	
Heat exchanger		Cross fin (Aluminum fin and copper tube)			
FAN	Type x Quantity		Sirocco fan x 2	Sirocco fan x 2	
	External (380V) static press. (400, 415V)	Pa	<110>- 220	<110>- 220	
		mmHzO	<11.2>- 22.4	<11.2>- 22.4	
		Pa	<130>- 260	<130>- 260	
		mmHzO	<13.3>- 26.5	<13.3>- 26.5	
	Motor type		3-phase induction motor		
	Motor output		kW	0.760	1.080
	Driving mechanism		Direct-driven by motor		
	Airflow rate (Low-Mid-High)	m <sup>3</sup> / min	58	72	
		L / s	967	1,200	
cfm		2,048	2,543		
Sound pressure level (Low-Mid-High) (measured in anechoic room)	dB <A>	42 / 45 (380V)	50 / 52 (380V)		
	dB <A>	44 / 47 (400, 415V)	52 / 54 (400, 415V)		
Insulation material		Polystyrene foam, Polyethylene foam, Urethane foam			
Air filter		Option : Synthetic fiber unwoven cloth filter (long life)			
Protection device		Fuse			
Refrigerant control device		LEV			
Connectable outdoor unit		R410A CITY MULTI			
Diameter of refrigerant pipe	Liquid (R410A)	mm (in.)	ø9.52 (ø3/8) Brazed	ø9.52 (ø3/8) Brazed	
	Gas (R410A)	mm (in.)	ø19.05 (ø3/4) Brazed	ø22.2 (ø7/8) Brazed	
Field drain pipe size		mm (in.)	O.D. 32mm (1-1/4)		
Drawing	External		IU-W27-5925		
	Wiring		IU-W65-3957		
	Refrigerant cycle		-		
Standard attachment	Document	Installation Manual, Instruction Book			
	Accessory	Drain hose I.D. 32mm (1-1/4) (flexible joint)			
Remark	Optional parts				
	Long life filter	PAC-KE85LAF	PAC-KE85LAF		
	Filter box	PAC-KE250TB-F	PAC-KE250TB-F		
	Drain pump	PAC-KE04DM-F	PAC-KE04DM-F		
Installation		Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual.			
<b>Note :</b>		*1 Nominal cooling conditions	*2 Nominal cooling conditions	*3 Nominal heating conditions	
Indoor :		27°CDB/19°CWB (81°FDB/66°FWB)	27°CDB/19.5°CWB (81°FDB/67°FWB)	20°CDB (68°FDB)	
Outdoor :		35°CDB (95°FDB)	35°CDB (95°FDB)	7°CDB/6°CWB (45°FDB/43°FWB)	
Pipe length :		7.5 m (24-9/16 ft)	5 m (16-3/8 ft)	7.5 m (24-9/16 ft)	
Level difference :		0 m (0 ft)	0 m (0 ft)	0 m (0 ft)	
* Nominal conditions *1, *3 are subject to JIS B8615-2.					
* Due to continuing improvement, above specification may be subject to change without notice.					
*4 The values are measured at the factory setting of external static pressure.					
*5 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.					
				Unit converter	
				kcal/h = kW x 860	
				BTU/h = kW x 3,412	
				cfm = m <sup>3</sup> /min x 35.31	
				lbs = kg / 0.4536	
				*Above specification data is subject to rounding variation.	

# 1. SPECIFICATIONS

DATA G11

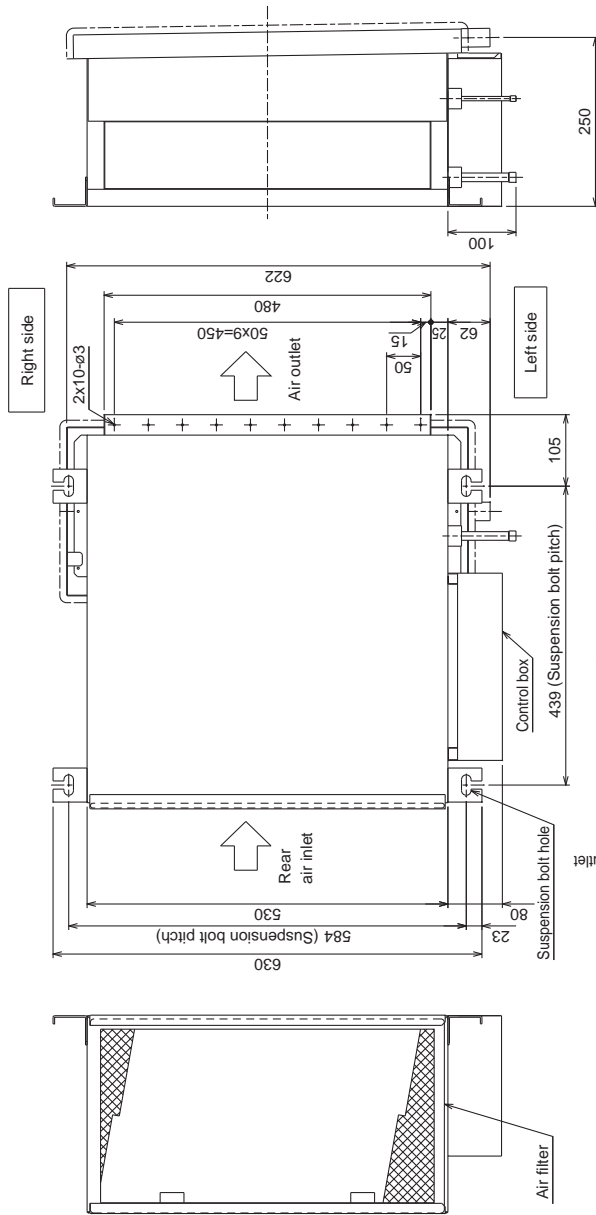
PEFY

Model			PEFY-P200VMHS-E	PEFY-P250VMHS-E		
Power source			1-phase 220-230-240V 50/60Hz	1-phase 220-230-240V 50/60Hz		
Cooling capacity (Nominal)	*1	kW	22.4	28.0		
		kcal / h	19,300	24,100		
		BTU / h	76,400	95,500		
	*2	Power input	kW	0.63	0.82	
		Current input	A	3.47 - 3.32 - 3.18 (220-230-240V)	4.72 - 4.43 - 4.14 (220-230-240V)	
Heating capacity (Nominal)	*3	kW	25.0	31.5		
		kcal / h	21,500	27,100		
		BTU / h	85,300	107,500		
	*2	Power input	kW	0.63	0.82	
		Current input	A	3.47 - 3.32 - 3.18 (220-230-240V)	4.72 - 4.43 - 4.14 (220-230-240V)	
External finish			Galvanized steel plate	Galvanized steel plate		
External dimension HxWxD			mm	470 x 1,250 x 1,120	470 x 1,250 x 1,120	
			inch	18-1/2 x 49-1/4 x 44-1/8	18-1/2 x 49-1/4 x 44-1/8	
Net weight			kg(lbs)	97(214)	100(221)	
Heat exchanger			Cross fin (Aluminum fin and copper tube)	Cross fin (Aluminum fin and copper tube)		
FAN	Type x Quantity		Sirocco fan x 2	Sirocco fan x 2		
	*4	External static press.	Pa	<50> - <100> - 150 - <200> - <250>	<50> - <100> - 150 - <200> - <250>	
			mmH <sub>2</sub> O	<5.1> - <10.2> - 15.3 - <20.4> - <25.5>	<5.1> - <10.2> - 15.3 - <20.4> - <25.5>	
	Motor Type		DC motor	DC motor		
	Motor output		kW	0.870	0.870	
	Driving mechanism		Inverter-control	Inverter-control		
	Air flow rate		(Low-Mid-High)		(Low-Mid-High)	
			m <sup>3</sup> / min	50.0 - 61.0 - 72.0	58.0 - 71.0 - 84.0	
L/s			833 - 1,017 - 1,200	967 - 1,183 - 1,400		
cfm		1,766 - 2,154 - 2,542	2,048 - 2,507 - 2,966			
Sound pressure level (measured in anechoic room)			(Low-Mid-High)	(Low-Mid-High)		
*2		dB <A>	36-39-43	39-42-46		
Insulation material			EPS, Polyethylene foam, Urethane foam	EPS, Polyethylene foam, Urethane foam		
Air filter			Option: Synthetic fiber unwoven cloth filter (long life filter) and filter box are recommended.	Option: Synthetic fiber unwoven cloth filter (long life filter) and filter box are recommended.		
Protection device			Fuse	Fuse		
Refrigerant control device			LEV	LEV		
Connectable outdoor unit			R410A CITY MULTI	R410A CITY MULTI		
Diameter of refrigerant pipe	Liquid (R410A)	mm(inch)	9.52(3/8")Braze	9.52(3/8")Braze		
	Gas (R410A)	mm(inch)	19.05(3/4")Braze	22.22(7/8")Braze		
Field drain pipe size			mm(inch)	O.D.32(1-1/4")	O.D.32(1-1/4")	
Drawing	External		KD94G757	KD94G757		
	Wiring		KD94G911	KD94G911		
	Refrigerant cycle		-	-		
Standard attachment	Document		Installation Manual, Instruction Book	Installation Manual, Instruction Book		
	Accessory		Insulation pipe for refrigerant pipe, Washer, Drain hose, Tie band	Insulation pipe for refrigerant pipe, Washer, Drain hose, Tie band		
Optional parts	Drain pump kit		PAC-KE05DM-F	PAC-KE05DM-F		
	Long life filter		PAC-KE85LAF	PAC-KE85LAF		
	Filter box		PAC-KE250TB-F	PAC-KE250TB-F		
Remark			* 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.			

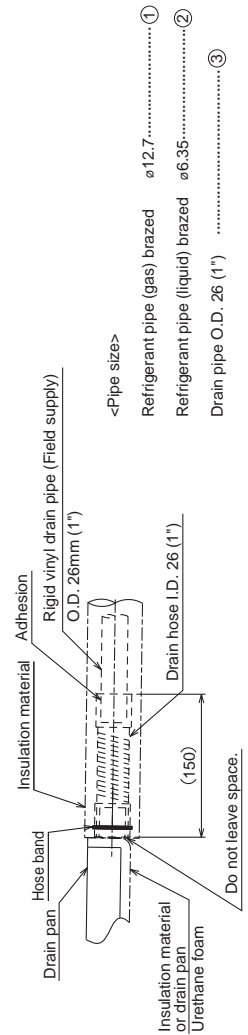
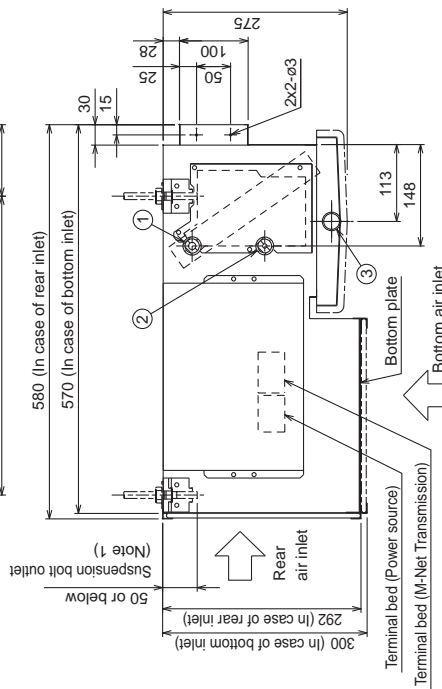
Notes:	Unit converter
1.Nominal cooling conditions (subject to JIS B8615-2) Indoor: 27°CDB/19°CWB (81°FDB/66°FWB), Outdoor: 35°CDB (95°FDB) Pipe length: 7.5m (24-9/16"ft.), Level difference: 0m (0ft.)	kcal/h =kW x 860 BTU/h =kW x 3,412 cfm =m <sup>3</sup> /min x 35.31 lbs =kg/0.4536
2.The values are measured at the factory setting of external static pressure.	
3.Nominal heating conditions (subject to JIS B8615-2) Indoor: 20°CDB (68°FDB), Outdoor: 7°CDB/6°CWB (45°FDB/43°FWB) Pipe length: 7.5m (24-9/16"ft.) Level, difference: 0m(0ft.)	
4.The factory setting of external static pressure is shown without < >. Refer to "Fan characteristics curves", according to the external static pressure, in DATA BOOK for the usable range of air flow rate.	*Above specification data is subject to rounding variation.

PEFY-P20,25,32VMR-E-L/R

Unit : mm



- Note 1. Use M10 screw for the suspension bolt (field supply).  
 50mm or below of clearance between the indoor unit top and the end of the suspension bolt will make maintenance of the Indoor heat exchanger easier.
2. Access door of 450mmx450mm at the ceiling under the drain pan should be designed for heat exchanger cleaning and maintenance.
3. This drawing shows the left piping specification. The symmetry shows the right piping specification.  
 Model name: <Left piping> PEFY-P20 · 25 · 32VMR-E-L  
 <Right piping> PEFY-P20 · 25 · 32VMR-E-R
4. Period cleaning of drain pan will prevent water overflowing.  
 Gradient piping design is needed for water draining.
5. The inlet direction can be changed between rear inlet and bottom inlet.  
 Keep the inlet space between the ceiling and the unit in case of bottom inlet.



- <Pipe size>
- Refrigerant pipe (gas) brazed ø12.7.....①
  - Refrigerant pipe (liquid) brazed ø6.35.....②
  - Drain pipe O.D. 26 (1") .....③

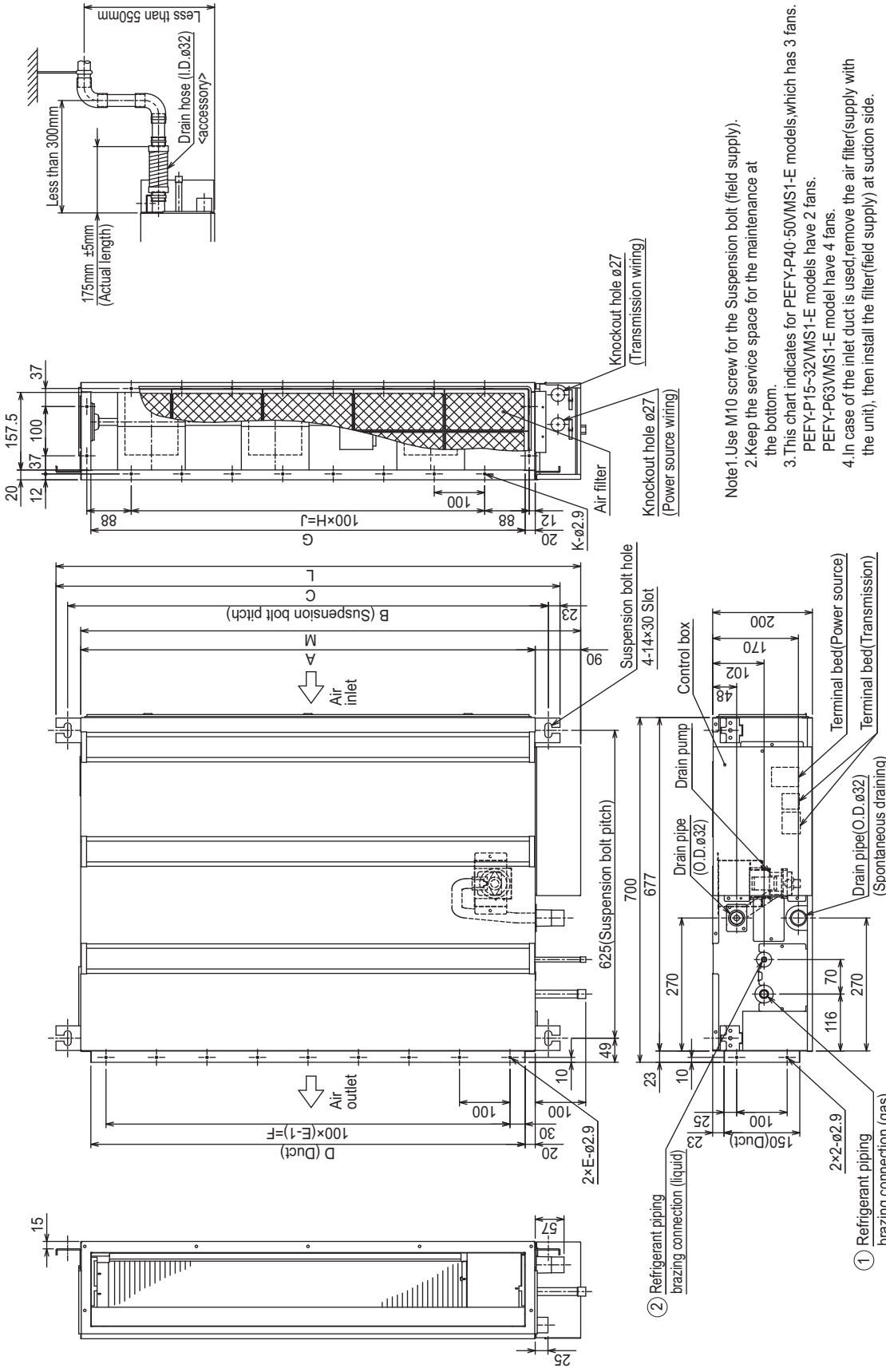
# 2. EXTERNAL DIMENSIONS

DATA G11

PEFY

PEFY-P15, 20, 25, 32, 40, 50, 63VMS1-E

Unit: mm



Note 1. Use M10 screw for the Suspension bolt (field supply).  
 2. Keep the service space for the maintenance at the bottom.  
 3. This chart indicates for PEFY-P40-50VMS1-E models, which has 3 fans. PEFY-P15-32VMS1-E models have 2 fans. PEFY-P63VMS1-E model have 4 fans.  
 4. In case of the inlet duct is used, remove the air filter (supply with the unit), then install the filter (field supply) at suction side.

\*1: R410A outdoor unit  
 \*2: R407C, R22 outdoor unit

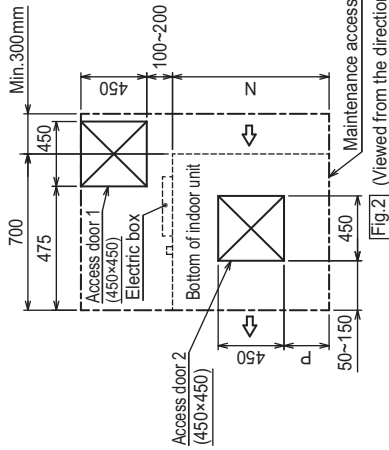
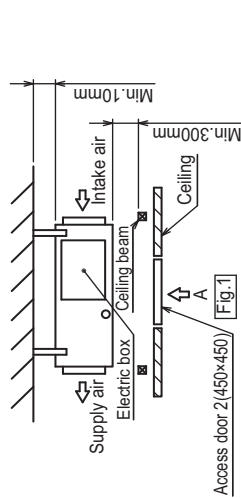
Model	A	B	C	D	E	F	G	H	J	K	L	M	① Gas pipe	② Liquid pipe
PEFY-P15, 20, 25, 32VMS1-E	700	752	798	660	600	600	660	500	500	16	839	790	ø12.7	ø6.35
PEFY-P40VMS1-E	900	952	998	860	800	800	860	700	700	20	1039	990	*1	ø12.7
													*2	ø15.88
PEFY-P50VMS1-E	1100	1152	1198	1060	1000	1000	1060	900	900	24	1239	1190	ø15.88	ø9.52

PEFY-P15, 20, 25, 32, 40, 50, 63VMS1-E

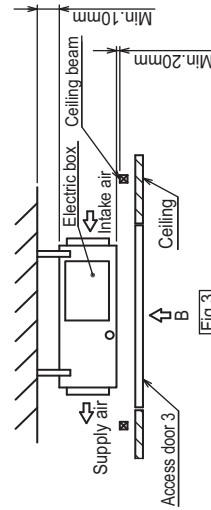
Unit: mm

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

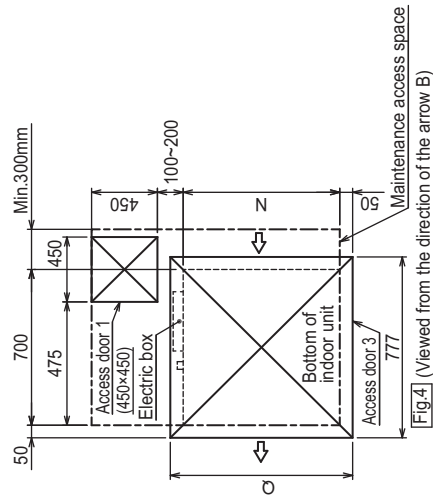
- (1) When a space of 300mm or more is available below the unit between the unit and the ceiling. (Fig.1)  
 - Create access door 1 and 2 (450x450mm each) as shown in Fig.2.  
 (Access door 2 is not required if enough space is available below the unit for a maintenance worker to work in.)
- (2) When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



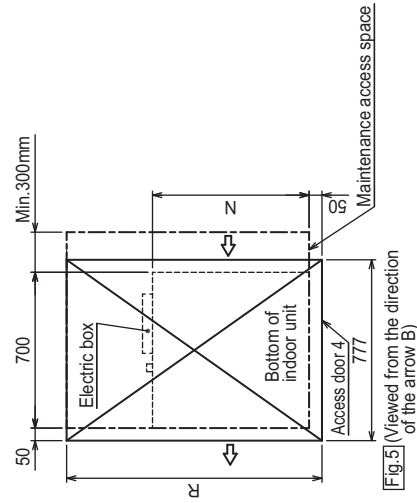
[Fig.2] (Viewed from the direction of the arrow A)



[Fig.3]



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

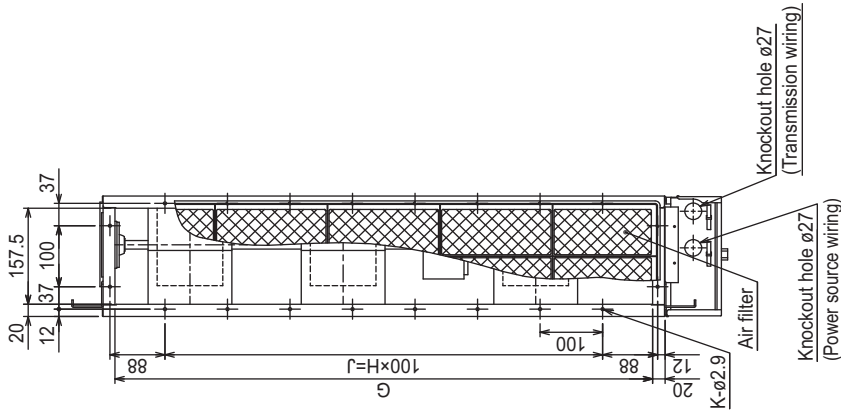


[Fig.5] (Viewed from the direction of the arrow B)

Model	N	P	Q	R
PEFY-P15,20,25,32,VMS1-E	700	50~150	800	1300
PEFY-P40VMS1-E	900	150~250	1000	1500
PEFY-P50VMS1-E			1200	1700
PEFY-P63VMS1-E	1100	250~350	1200	1700

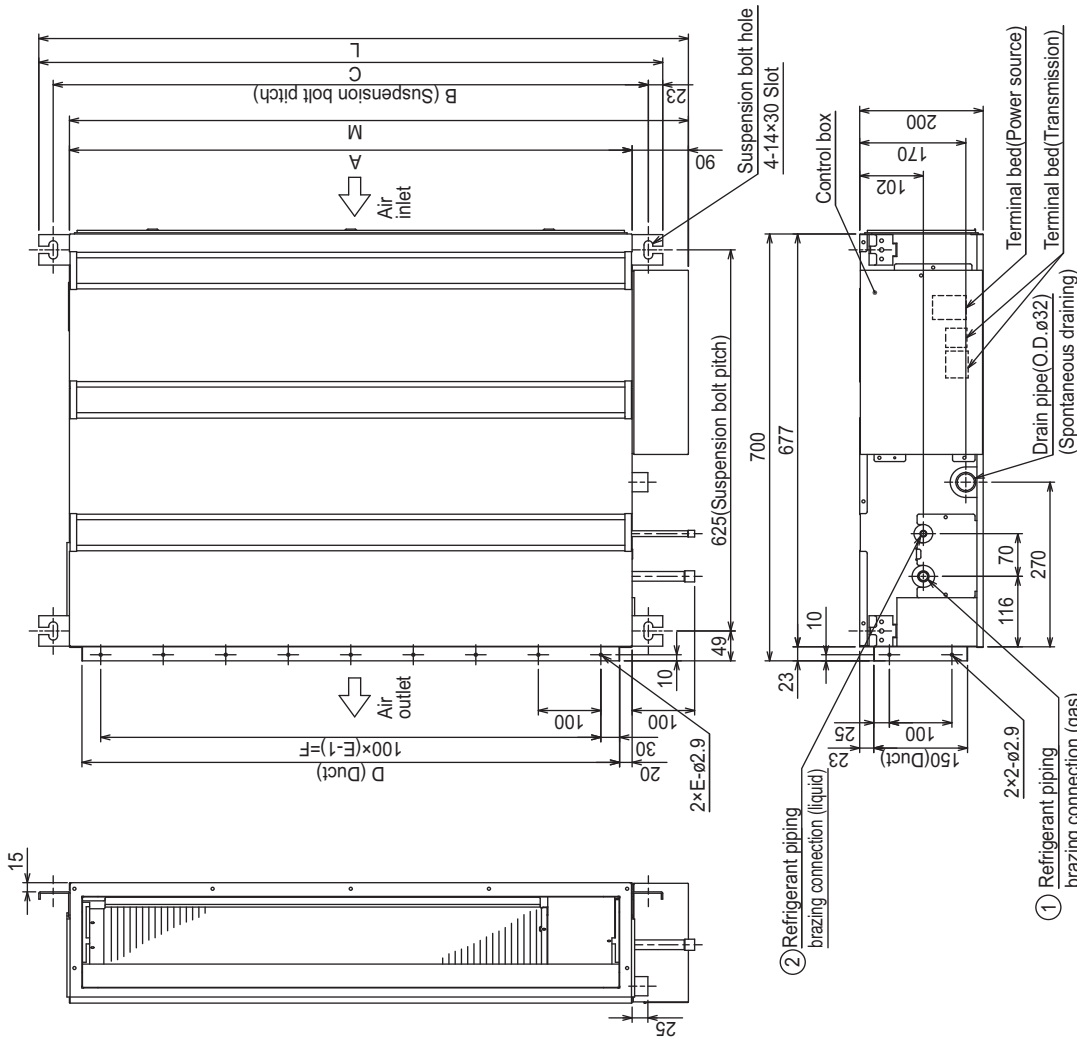
PEFY-P15, 20, 25, 32, 40, 50, 63VMS1L-E

Unit: mm



- Note 1 Use M10 screw for the Suspension bolt (field supply).
- 2. Keep the service space for the maintenance at the bottom.
- 3. This chart indicates for PEFY-P40-50VMS1L-E models, which has 3 fans. PEFY-P15-32VMS1L-E models have 2 fans. PEFY-P63VMS1L-E model have 4 fans.
- 4. In case of the inlet duct is used, remove the air filter (supply with the unit), then install the filter (field supply) at suction side.

\*1: R410A outdoor unit  
\*2: R407C, R22 outdoor unit



Model	A	B	C	D	E	F	G	H	J	K	L	M	① Gas pipe	② Liquid pipe
PEFY-P15,20,25,32VMS1L-E	700	752	798	660	7	600	660	5	500	16	839	790	ø12.7	ø6.35
PEFY-P40VMS1L-E	900	952	998	860	9	800	860	7	700	20	1039	990	*1	ø12.7
													*2	ø15.88
PEFY-P50VMS1L-E	1100	1152	1198	1060	11	1000	1060	9	900	24	1239	1190	ø15.88	ø9.52
													ø15.88	ø9.52



PEFY-P15, 20, 25, 32, 40, 50, 63VMS1L-E

Unit: mm

[Maintenance access space]  
 Secure enough access space to allow for the maintenance, inspection, and replacement of the motor, fan, drain pump, heat exchanger, and electric box in one of the following ways.  
 Select an installation site for the indoor unit so that 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. (Fig.1)

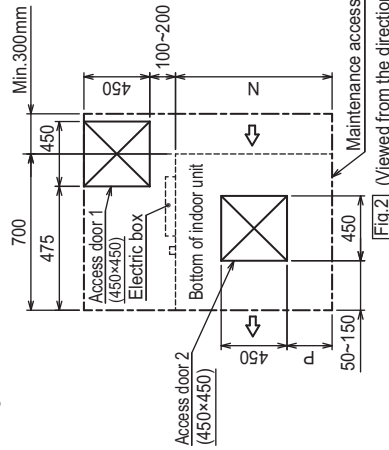
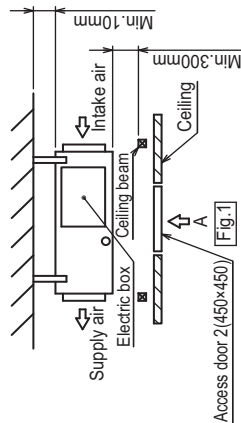
- Create access door 1 and 2 (450x450mm each) as shown in Fig.2.
- (Access door 2 is not required if enough space is available below the unit for a maintenance worker to work in.)

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

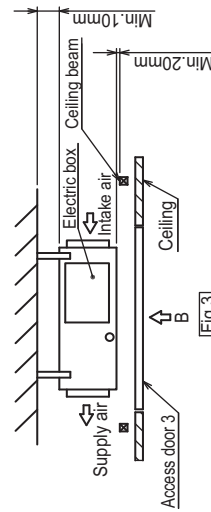
- (At least 20mm of space should be left below the unit as shown in Fig.3.)
- Create access door 1 diagonally below the electric box and access door 3 below the unit as shown in Fig.4.

or

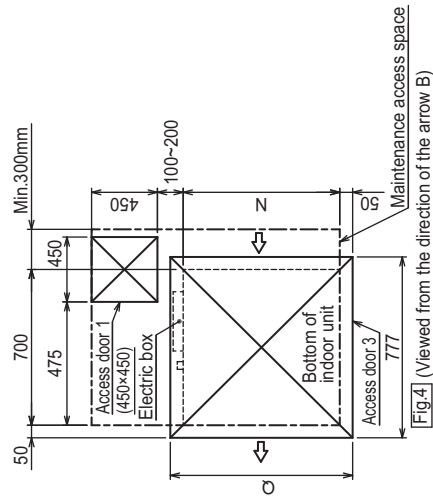
- Create access door 4 below the electric box and the unit as shown in Fig.5.



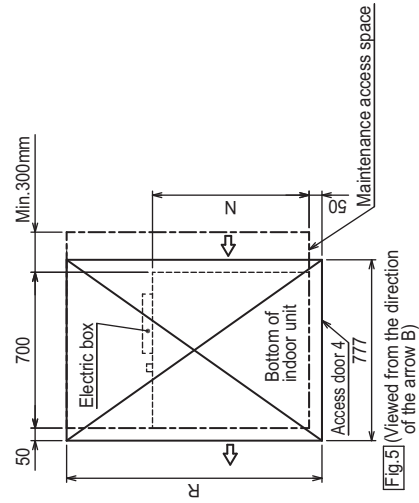
[Fig.2] (Viewed from the direction of the arrow A)



[Fig.3]



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



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

Model	N	P	Q	R
PEFY-P15,20,25,32VMS1L-E	700	50~150	800	1300
PEFY-P40VMS1L-E	900	150~250	1000	1500
PEFY-P50VMS1L-E	1100	250~350	1200	1700

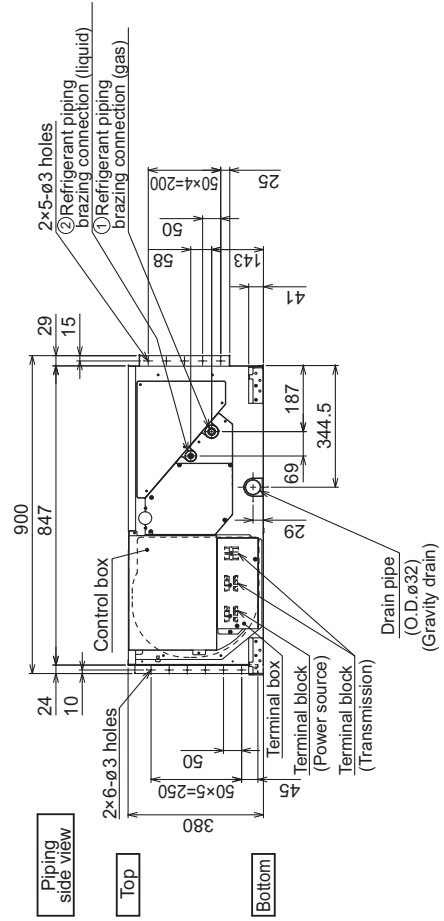
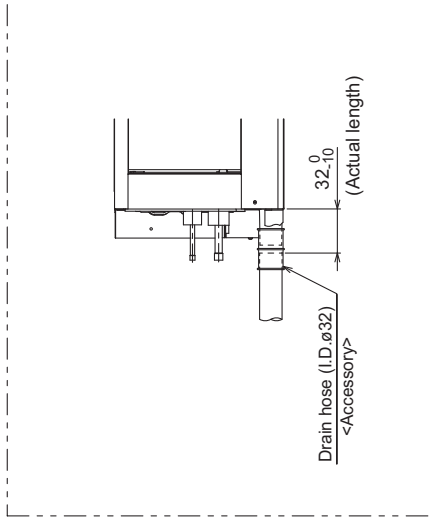
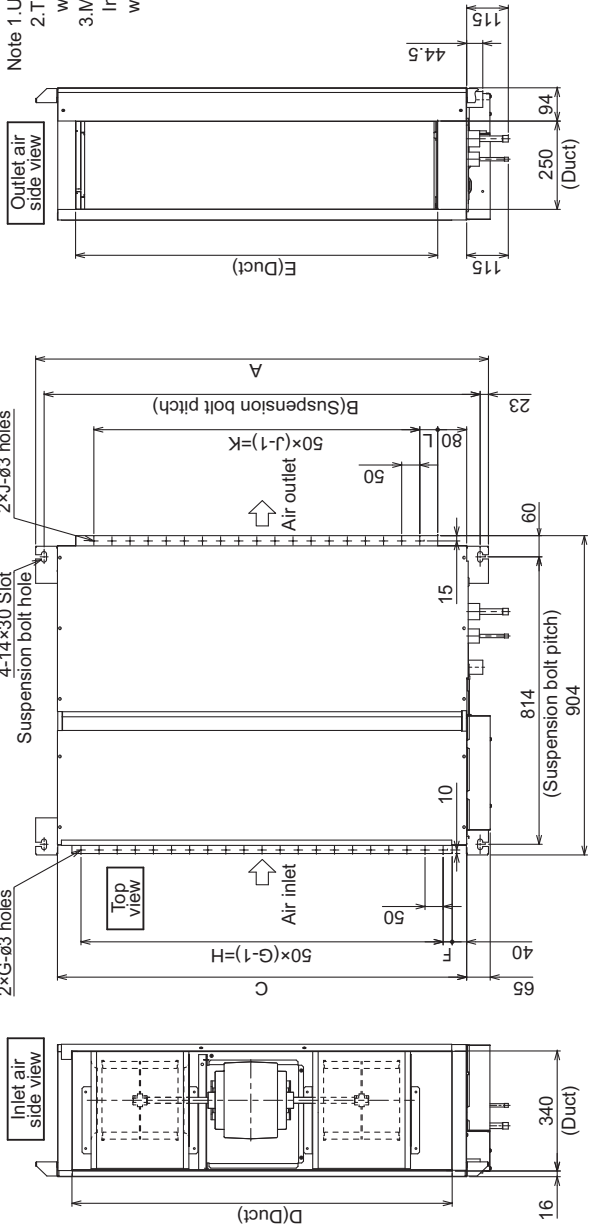
# 2. EXTERNAL DIMENSIONS

PEFY

## PEFY-P40, 50, 63, 71, 80, 100, 125, 140VMH-E2

Unit: mm

- Note 1. Use an M10 screw for the suspension bolt (field supply).  
 2. This drawing is for PEFY-P71-80-100-125-140VMH-E2 models, which have 2 fans. PEFY-P40-50-63VMH-E2 models have 1 fan.  
 3. Make sure to install the air filter (field supply) on the air intake side. In case field supplied air filter is used, attach it where the filter service is easily done.



Model	A	B	C	D	E	F	G	H	J	K	L	① Gas pipe ø12.7	② Liquid pipe ø6.35
PEFY-P40-50VMH-E2	800	754	680	600	550	50	11	500	10	450	50	ø12.7	ø6.35
PEFY-P63VMH-E2	1085	1039	965	885	835	42.5	17	800	15	700	67	ø15.88	ø9.52
PEFY-P71-80VMH-E2	1250	1204	1130	1050	1000	25	21	1000	19	900	50		

PEFY-P40, 50, 63, 71, 80, 100, 125, 140VMH-E2

Unit: mm

PEFY

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

Create access door 1 (450x450mm) for the maintenance from the unit side when the motor, fan, thermistor, LEV and control box is exchanged. (Fig.2,4)

(1) When a space of 300mm or more is available below the unit between the unit and the ceiling.  
 Create access door 2 (600x600mm) for the maintenance from the bottom when the heat exchanger and drain pan is cleaned(exchanged). (Fig.2)

(2) When a space of less than 300mm 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 3 for the maintenance from the bottom when the heat exchanger and drain pan is cleaned(exchanged). (Fig.4)

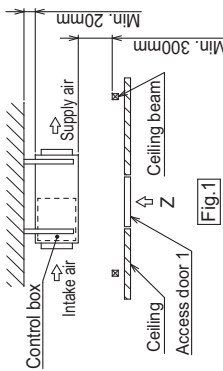
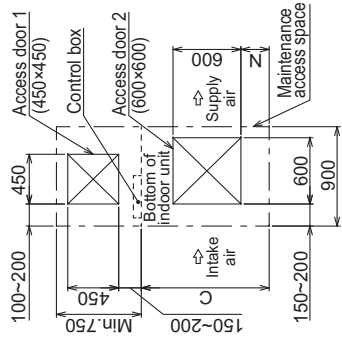


Fig.2 (Viewed from the direction of the arrow Z)

Model	C	M	N
PEFY-P40-50VMH-E2	680	780	0-50
PEFY-P63VMH-E2			
PEFY-P71-80VMH-E2	965	1065	100-150
PEFY-P100-125-140VMH-E2	1130	1230	200-250

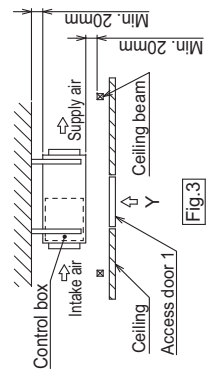
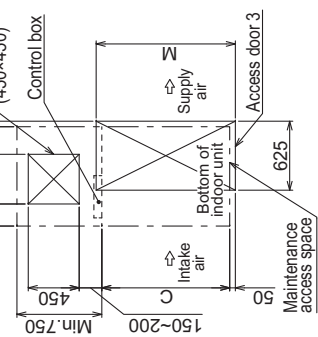
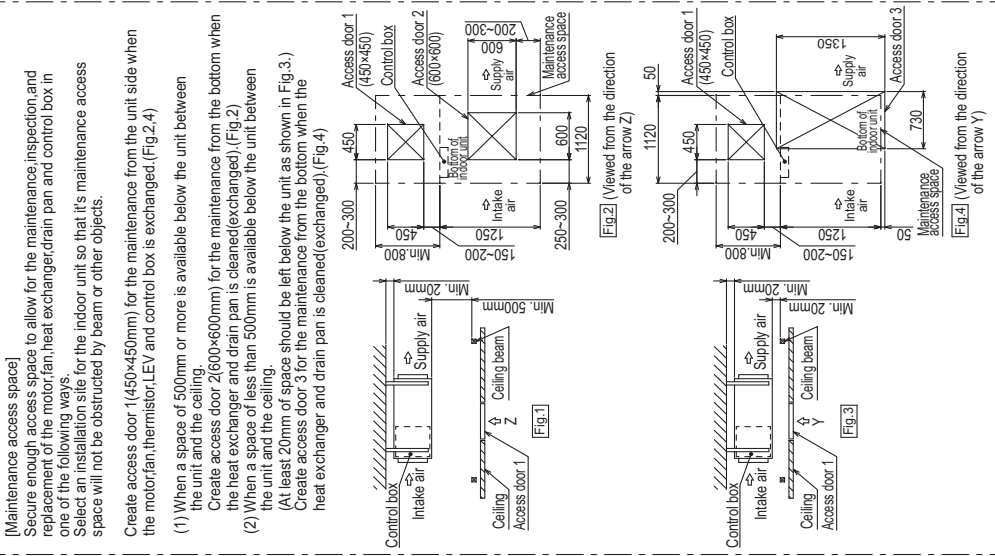


Fig.4 (Viewed from the direction of the arrow Y)

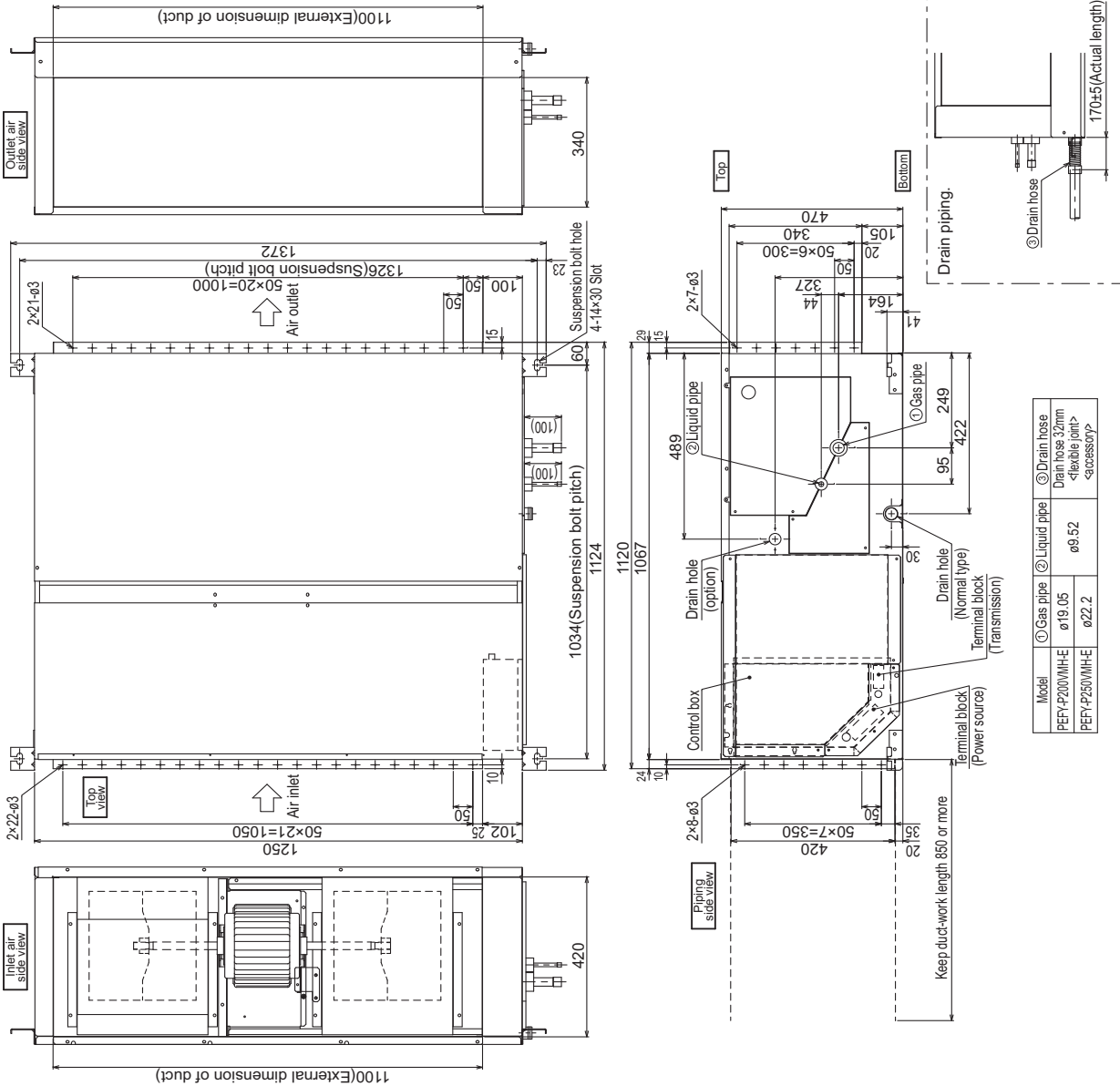
PEFY-P200, 250VMH-E

Unit: mm



[Maintenance access space]  
 Secure enough access space to allow for the maintenance, inspection and replacement of the motor, fan, heat exchanger, drain pan and control box in one of the following ways.  
 Select an installation site for the indoor unit so that its maintenance access space will not be obstructed by beam or other objects.  
 Create access door 1 (450x450mm) for the maintenance from the unit side when the motor, fan, thermostat, LEV and control box is exchanged. (Fig.2,4)  
 (1) When a space of 500mm or more is available below the unit between the unit and the ceiling,  
 Create access door 2 (600x600mm) for the maintenance from the bottom when the heat exchanger and drain pan is cleaned/exchanged. (Fig.2)  
 (2) When a space of less than 500mm is available below the unit between the unit and the ceiling,  
 Create access door 3 for the maintenance from the bottom when the heat exchanger and drain pan is cleaned/exchanged. (Fig.4)

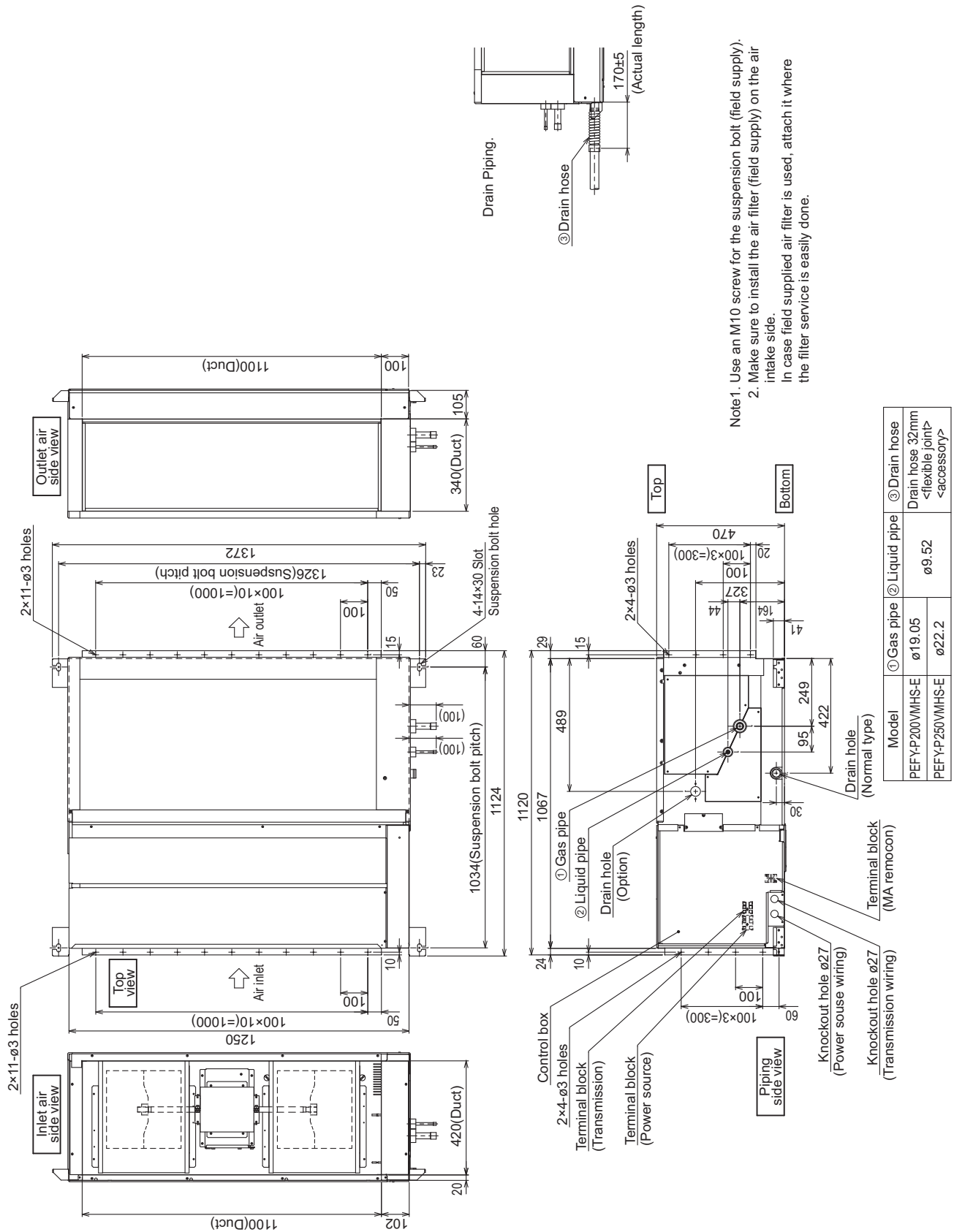
Note 1. Use an M10 screw for the suspension bolt (field supply).  
 2. Make sure to install the air filter (field supply) on the air intake side.  
 In case field supplied air filter is used, attach it where the filter service is easily done.



Model	① Gas pipe	② Liquid pipe	③ Drain hose
PEFY-P200VMH-E	ø19.05	ø9.52	Drain hose 32mm <flexible joint>
PEFY-P250VMH-E	ø22.2	ø9.52	<flexible joint> <accessory>

PEFY-P200, 250VMHS-E

Unit: mm



PEFY-P200, 250VMHS-E

Unit: mm

[Maintenance access space]

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

Create access door 1 (450×450mm) for the maintenance from the unit side when the thermistor, LEV and control box is exchanged. (Fig.2.4)

(1) When a space of 500mm or more is available below the unit between the unit and the ceiling.

Create access door 2 (600×600mm) for the maintenance from the bottom when the motor, fan, heat exchanger and drain pan is cleaned(exchanged). (Fig.2)

(2) When a space of less than 500mm 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 3 for the maintenance from the bottom when the motor, fan, heat exchanger and drain pan is cleaned(exchanged). (Fig.4)

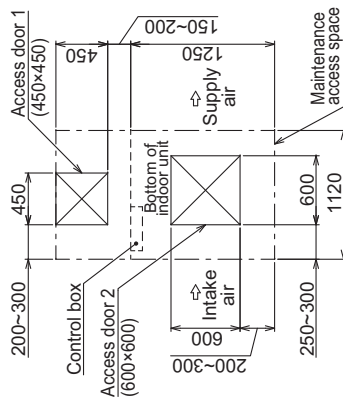


Fig.2 (Viewed from the direction of the arrow Z)

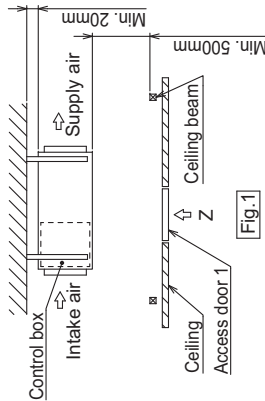


Fig.1

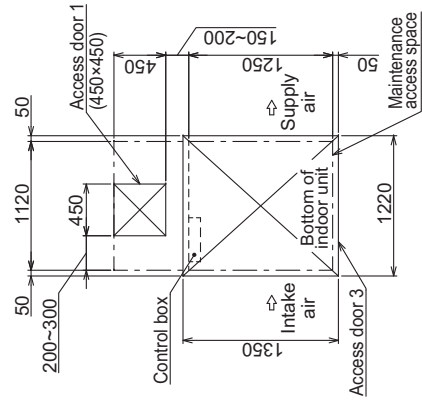


Fig.4 (Viewed from the direction of the arrow Y)

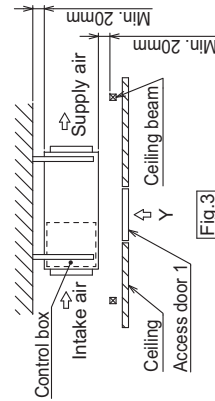
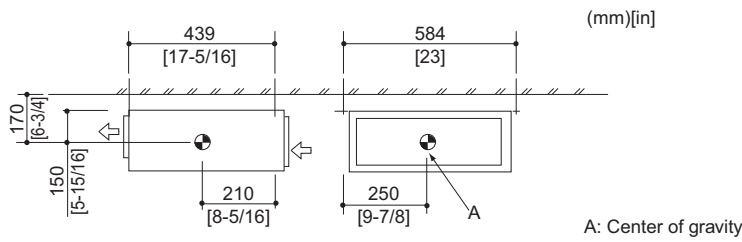
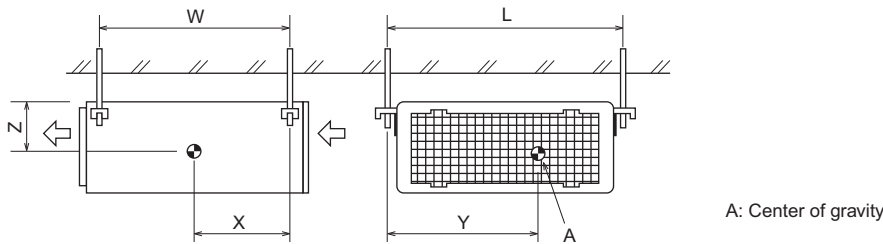


Fig.3

PEFY-P20, 25, 32VMR-E/L/R

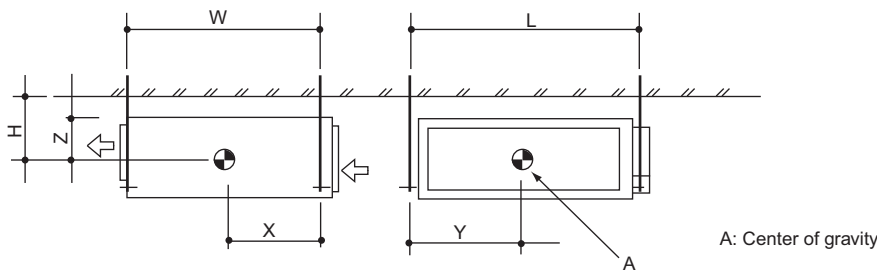


PEFY-P15,20,25,32,40,50,63VMS1(L)-E



Model name	W	L	X	Y	Z
PEFY-P15VMS1(L)-E	625 [24-5/8]	752 [29-5/8]	263 [10-3/8]	338 [13-5/8]	105 [4-5/32]
PEFY-P20VMS1(L)-E	625 [24-5/8]	752 [29-5/8]	263 [10-3/8]	338 [13-5/8]	105 [4-5/32]
PEFY-P25VMS1(L)-E	625 [24-5/8]	752 [29-5/8]	263 [10-3/8]	338 [13-5/8]	105 [4-5/32]
PEFY-P32VMS1(L)-E	625 [24-5/8]	752 [29-5/8]	275 [10-27/32]	340 [13-13/32]	104 [4-1/8]
PEFY-P40VMS1(L)-E	625 [24-5/8]	952 [37-1/2]	280 [11-1/32]	422 [16-5/8]	104 [4-1/8]
PEFY-P50VMS1(L)-E	625 [24-5/8]	952 [37-1/2]	280 [11-1/32]	422 [16-5/8]	104 [4-1/8]
PEFY-P63VMS1(L)-E	625 [24-5/8]	1152 [45-3/8]	285 [11-1/4]	511 [20-1/8]	104 [4-1/8]

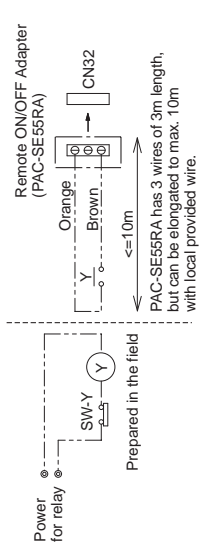
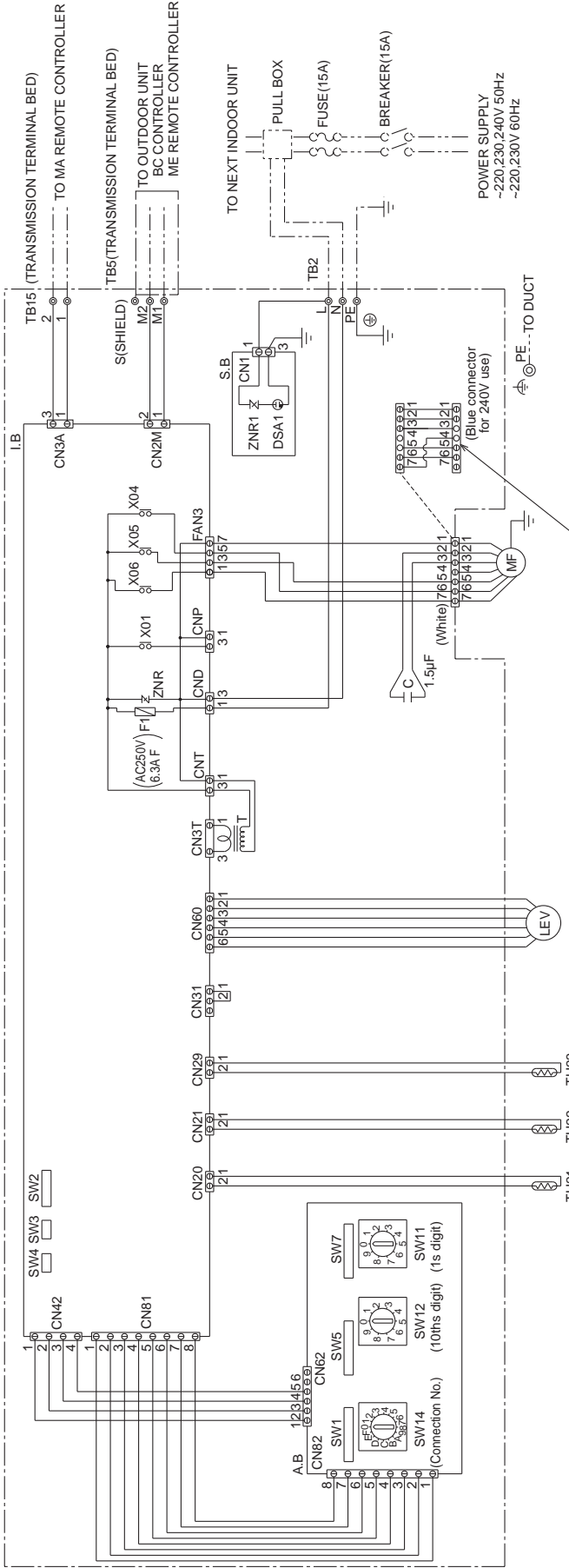
PEFY-P40,50,63,71,80,100,125,140,200,250VMH(S)-E(2)



Model name	W	L	H	X	Y	Z
PEFY-P40VMH-E2	814 [32-1/16]	754 [29-11/16]	210 [8-9/32]	374 [14-3/4]	440 [17-11/32]	190 [7-1/2]
PEFY-P50VMH-E2	814 [32-1/16]	754 [29-11/16]	210 [8-9/32]	374 [14-3/4]	440 [17-11/32]	190 [7-1/2]
PEFY-P63VMH-E2	814 [32-1/16]	754 [29-11/16]	210 [8-9/32]	374 [14-3/4]	440 [17-11/32]	190 [7-1/2]
PEFY-P71VMH-E2	814 [32-1/16]	1039 [40-15/16]	210 [8-9/32]	364 [14-11/32]	548 [21-5/8]	190 [7-1/2]
PEFY-P80VMH-E2	814 [32-1/16]	1039 [40-15/16]	210 [8-9/32]	364 [14-11/32]	548 [21-5/8]	190 [7-1/2]
PEFY-P100VMH-E2	814 [32-1/16]	1204 [47-13/32]	210 [8-9/32]	364 [14-11/32]	649 [25-9/16]	190 [7-1/2]
PEFY-P125VMH-E2	814 [32-1/16]	1204 [47-13/32]	210 [8-9/32]	364 [14-11/32]	649 [25-9/16]	190 [7-1/2]
PEFY-P140VMH-E2	814 [32-1/16]	1204 [47-13/32]	210 [8-9/32]	364 [14-11/32]	649 [25-9/16]	190 [7-1/2]
PEFY-P200VMH(S)-E	1034 [40-23/32]	1326 [52-7/32]	255 [10-1/16]	462 [18-7/32]	660 [25-32/32]	235 [9-9/32]
PEFY-P250VMH(S)-E	1034 [40-23/32]	1326 [52-7/32]	255 [10-1/16]	462 [18-7/32]	660 [25-32/32]	235 [9-9/32]

PEFY-P20,25,32VMR-E-L/R

INSIDE SECTION OF CONTROL BOX



At factory shipment, the motor connector is connected for 220-230V power. If 240V power is used, insert the attached Blue connector between the Motor connector and White connector from indoor board.  
 Connector color: for power source  
 White: 220V/230V  
 Blue: 240V

SW-Y	Status	Display and operation at Local Remote Controller
OFF	Obey to local remote controller (Allowed)	Operation permitted
ON	Remote - OFF	"Central control" displayed. Local Remote Controller operation prohibited (not functioning).

Y: Aux. relay (Load  $\geq$  12VDC 1mA)

NOTE:1. The wirings to TB2, TB5 shown in dotted line are field work.  
 2. Mark ⊕ indicates terminal bed, ⊖ connector, ⊕ board insertion connector or fastening connector of control board.

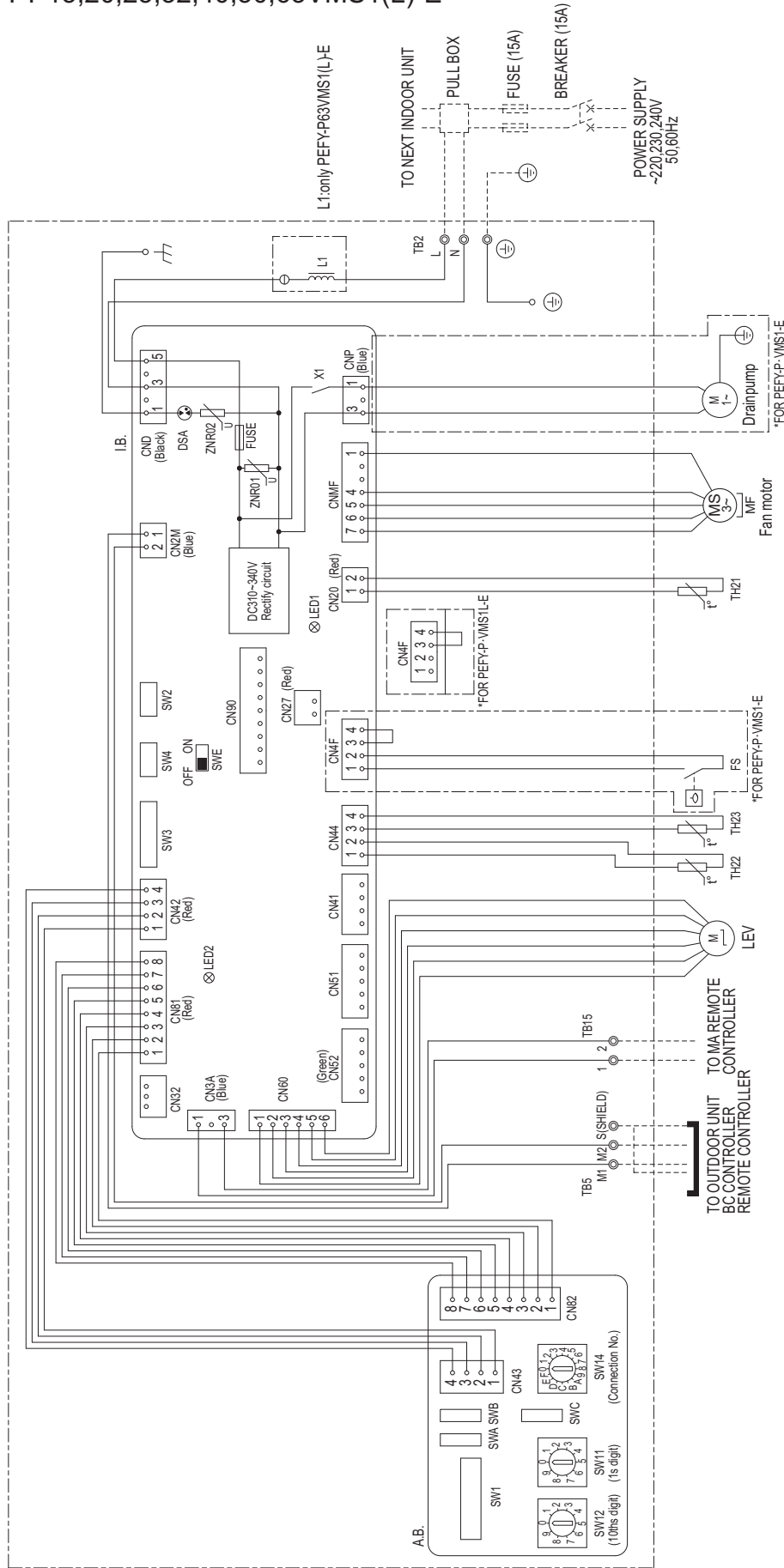
SYMBOL EXPLANATION

SYMBOL	NAME	SYMBOL	NAME
MF	Fan motor	TH21	Thermistor (inlet temp. detection)
C	Capacitor (for MF) 1.5µF	TH22	Thermistor (piping temp. detection/liquid)
I.B	Indoor controller board	TH23	Thermistor (piping temp. detection/gas)
A.B	Address board	SW11(A,B)	Switch (1s digit address set)
TB2	Power source terminal bed	SW12(A,B)	Switch (10ths digit address set)
TB5	Transmission terminal bed	SW14(A,B)	Switch (connection No. set)
TB15	Transmission terminal bed	SW1(A,B)	Switch (for mode selection)
F1	Fuse AC250V 6.3A F	SW2(L,B)	Switch (for capacity code)
T	Transformer	SW3(L,B)	Switch (for mode selection)
LEV	Electronic linear expansion valve	SW4(L,B)	Switch (for model selection)
S.B	Surge absorber board	SW5(A,B)	Switch (for voltage selection)
X04-X06	Aux. relay	SW7(A,B)	Switch (for mode selection)



PEFY-P15,20,25,32,40,50,63VMS1(L)-E

INSIDE SECTION OF CONTROL BOX



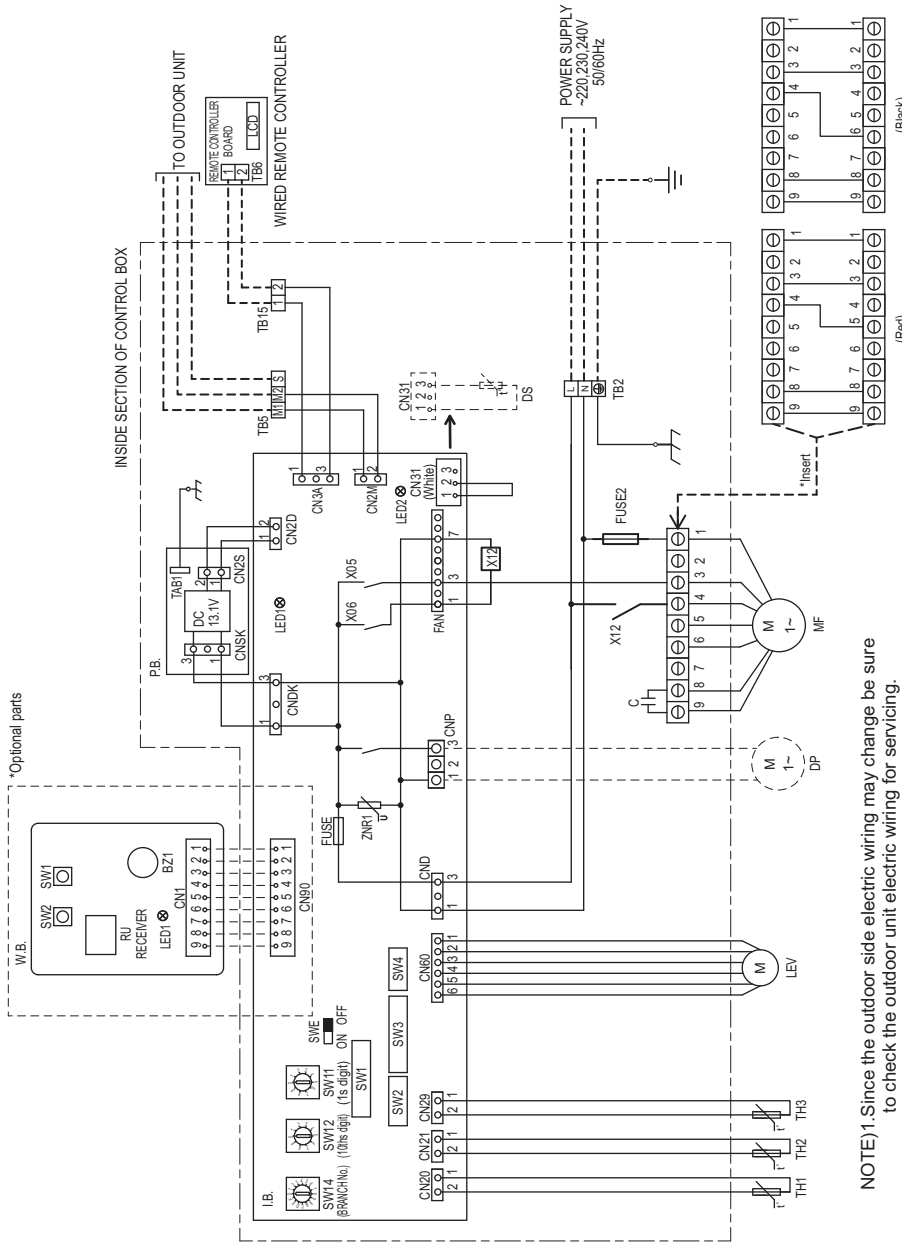
NOTE: 1. The wirings to TB2, TB5, TB15 shown in dotted line are field work.  
 2. Mark ⊙ indicates terminal bed, ⊕ connector.

SYMBOL EXPLANATION

SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
I.B.	Indoor controller board	CN32	Connector (Remote switch)	SW4(I.B.)	Switch (for model selection)
A.B.	Address board	CN41	Connector (HA terminal-A)	SWE(I.B.)	Connector (emergency operation)
TB2	Power source terminal bed	CN51	Connector (Centrally control)	SW1(A.B.)	Switch (for mode selection)
TB5	Transmission terminal bed	CN52	Connector (Remote indication)	SW11(A.B.)	Switch (1s digit address set)
TB15	Transmission terminal bed	CN90	Connector (Wireless)	SW12(A.B.)	Switch (10hrs digit address set)
FUSE	Fuse AC250V 6.3A	FS	Float switch	SW14(A.B.)	Switch (connection No. set)
ZNR01,02	Varistor	TH21	Thermistor (inlet air temp. detection)	SWA(A.B.)	Switch (for static pressure selection)
DSA	Arrester	TH22	Thermistor (piping temp. detection/liquid)	SWB(A.B.)	Switch (for model selection)
X1	Aux. relay	TH23	Thermistor (piping temp. detection/gas)	SWC(A.B.)	Switch (for static pressure selection)
L1	AC reactor (Power factor improvement)	SW2(I.B.)	Switch (for capacity code)		
CN27	Connector (Damper)	SW3(I.B.)	Switch (for mode selection)		

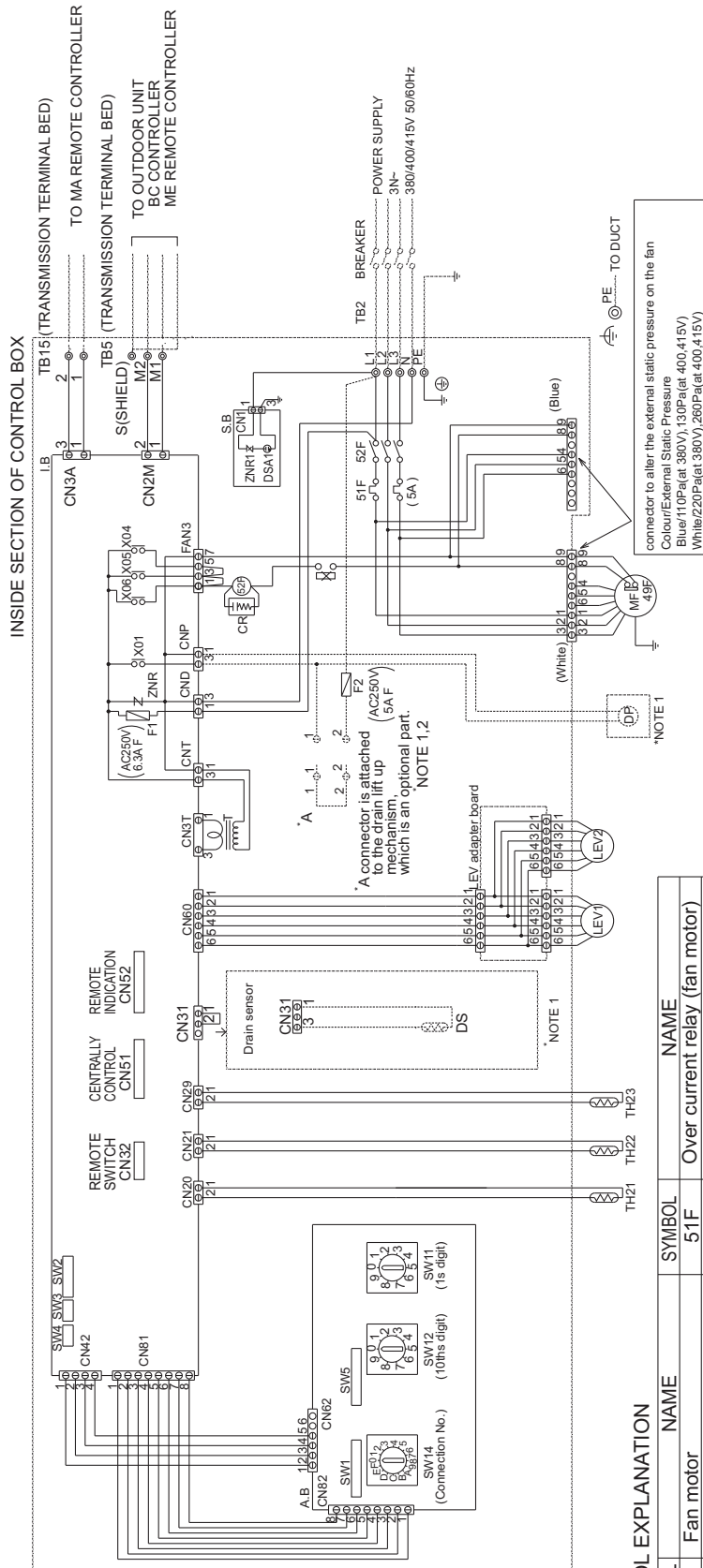
PEFY-P40,50,63,71,80,100,125,140VMH-E2

SYMBOL EXPLANATION	
MF	Fan motor (Indoor)
DP	Drain Pump
DS	Drain Sensor
TB2	Power Source Terminal block
TB5,6,15	Transmission Terminal block
TH1	Thermistor(Inlet air temp.detection)
TH2	Thermistor(Liquid pipe temp)
TH3	Thermistor(Gas pipe temp)
C	Capacitor
P.B	Power supply board
FUSE2	Fuse AC250V 6.3A
X12	Auxiliary relay
	Indoor controller board
	Fuse AC250V 6.3A
	Varistor
ZNR1	Connector (Wireless)
CN90	Auxiliary relay
X05,X06	Switch (For mode selection)
SW1	Switch (For capacity code)
SW2	Switch (For mode selection)
SW3	Switch (For mode selection)
SW4	Switch (For model selection)
SWE	Connector (Emergency operation)
SW11	1s digit
SW12	10ths digit
SW14	BRANCH No.
	Wireless remote controller board
RU	Receiving unit
BZ1	Buzzer
LED1	Led (Run indicator)
SW1	Switch (Heating on/off)
SW2	Switch (Cooling on/off)



- NOTE) 1. Since the outdoor side electric wiring may change be sure to check the outdoor unit electric wiring for servicing.
2. Symbols used in wiring diagram are,  
 ○ ○ ○ ○ : Connector, □ : Terminal.  
 — (Heavy dotted line) : Field wiring  
 - - - (Thin dotted line) : Optional parts
3. Have all electric work done by a licensed electrician according to the local regulations.
4. Earth leakage circuit breaker should be set up on the wiring of the power supply.
5. To perform a drainage test for the drain pump turn on the SWE on the control board while the indoor unit is being powered.  
 \*Be sure to turn off the SWE after completing a drainage test or test run.
6. Use copper supply wire.

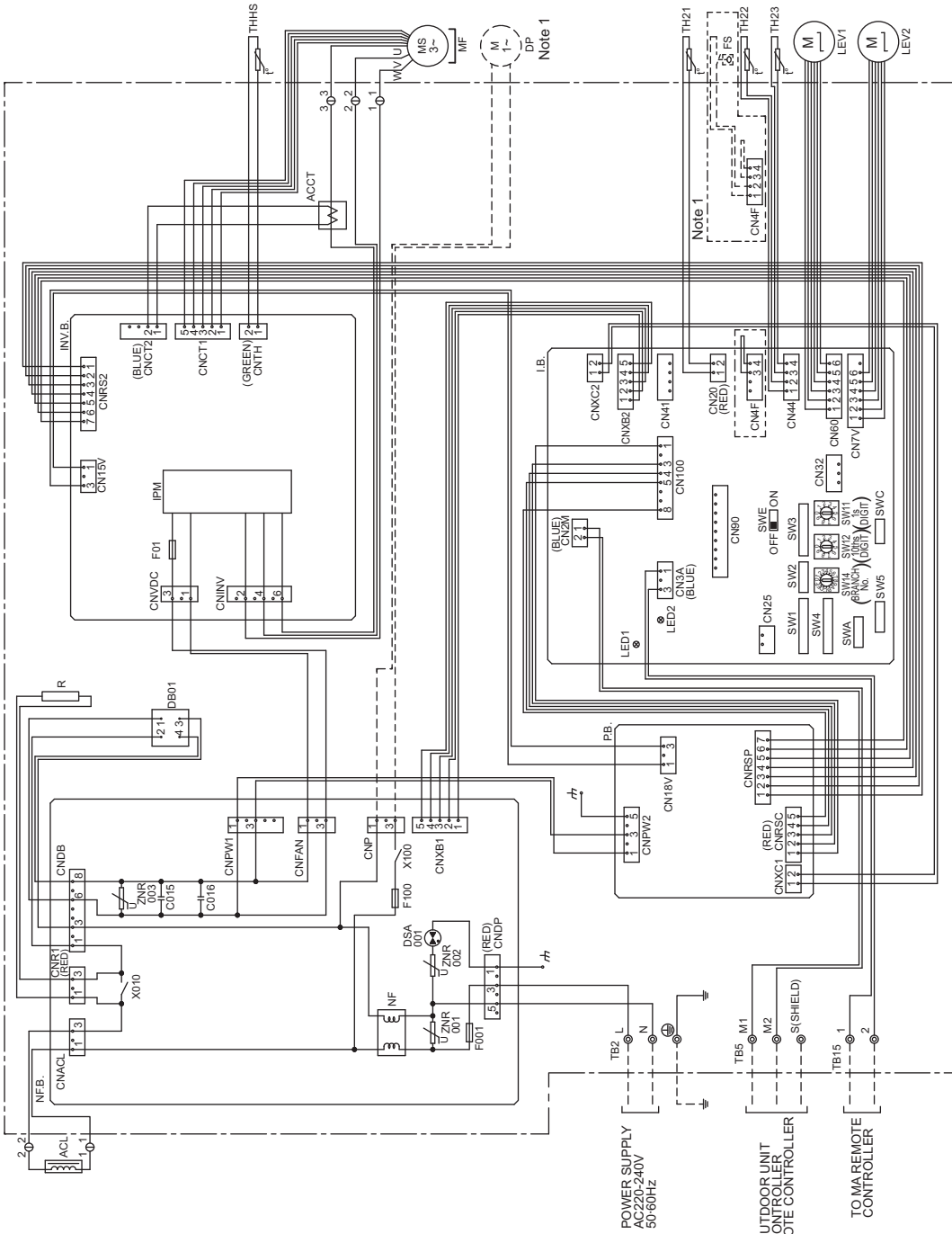
PEFY-P200,250VMH-E



PEFY-P200,P250VMHS-E

SYMBOL	EXPLANATION	NAME
I.B.	Indoor controller board	
CN25	Connector	
CN32	Connector (Remote switch)	
CN41	Connector (HA terminal-A)	
CN90	Connector (Wireless)	
SW1	Switch (for mode selection)	
SW2	Switch (for capacity code)	
SW3	Switch (for mode selection)	
SW4	Switch (for model selection)	
SW5	Switch (for mode selection)	
SW11	Switch (10ths digit address set)	
SW12	Switch (10ths digit address set)	
SW14	Switch (BRANCH No.)	
SWA	Switch (for static pressure selection)	
SWC	Switch (for static pressure selection)	
SWE	Connector (emergency operation)	
NF.B.	Noise filter board	
DSA001	Arrester	
ZNR01~	Varistor	
ZNR03		
X010.X100	Aux. relay	
F001	Fuse(AC250V 10A)	
F100	Fuse(3.15A)	
NF	Noise filter	
P.B.	Power supply board	
INV.B.	Inverter board	
IPM	Intelligent power module	
F01	Fuse(AC250V 15A)	
TB2	Power source terminal block	
TB5	Transmission terminal block	
TB15	Transmission terminal block	
TH21	Thermistor(inlet air temp.detection)	
TH22	Thermistor(piping temp.detection/liquid)	
TH23	Thermistor(piping temp.detection/gas)	
THHS	Thermistor(heatsink)	
MF	Fan motor	
LEV1.LEV2	Electronic linear expan.valve	
ACL	AC reactor (Power factor improvement)	
R	Resistor	
DB01	Diode bridge	
ACCT	Current Sensor (AC)	
LED1	LED (Power supply)	
LED2	LED (Remote controller supply)	
<DP>	Drain pump	
<FS>	Float switch	
	Inside <	>is the optional parts.

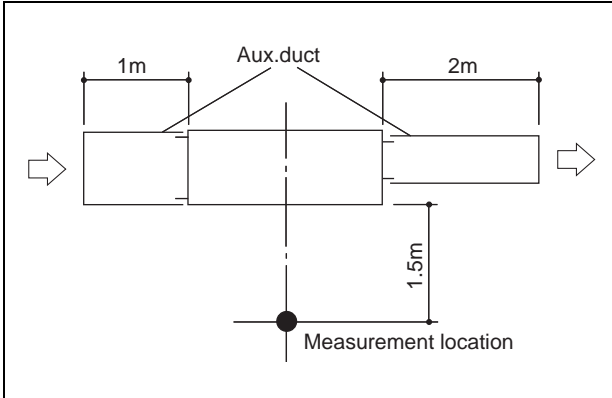
INSIDE SECTION OF CONTROL BOX



NOTE:1 The part of thin dotted line indicates the circuit for optional parts.  
 2. To perform a drainage test for the drain pump turn on the SWE on the control board while the indoor unit is being powered.  
 \*Be sure to turn off the SWE after completing a drainage test or test run.  
 3. The wirings to TB2, TB5, TB15 shown in dotted line are field work.  
 4. Mark Ⓞ indicates terminal block, ⊕ connector.

5-1. Sound levels

PEFY-P-VMR-E-L/R, VMS1(L)-E, VMH(S)-E(2)



\* Measured in anechoic room.

Sound level at anechoic room: Low-Mid-High

		Sound level dB (A)	
PEFY-P20VMR-E-L/R	220V	20 - 25 - 30	
	230V	21 - 26 - 32	
	240V	22 - 27 - 30	
PEFY-P25VMR-E-L/R	220V	20 - 25 - 30	
	230V	21 - 26 - 32	
	240V	22 - 27 - 30	
PEFY-P32VMR-E-L/R	220V	20 - 25 - 33	
	230V	21 - 26 - 35	
	240V	22 - 27 - 33	

Sound level at anechoic room: Low-Mid-High

		Sound level dB (A)				
		5Pa	15Pa	35Pa	50Pa	
PEFY-P15VMS1(L)-E	220-240V	22 - 24 - 26	22 - 24 - 28	23 - 26 - 29	23 - 27 - 30	
PEFY-P20VMS1(L)-E	220-240V	22 - 25 - 28	23 - 25 - 29	24 - 27 - 30	25 - 28 - 32	
PEFY-P25VMS1(L)-E	220-240V	22 - 25 - 29	23 - 26 - 30	24 - 28 - 31	25 - 29 - 33	
PEFY-P32VMS1(L)-E	220-240V	23 - 27 - 30	23 - 27 - 32	24 - 28 - 33	25 - 29 - 34	
PEFY-P40VMS1(L)-E	220-240V	26 - 28 - 30	28 - 30 - 33	30 - 32 - 35	31 - 33 - 36	
PEFY-P50VMS1(L)-E	220-240V	29 - 31 - 34	30 - 32 - 35	31 - 34 - 37	32 - 34 - 38	
PEFY-P63VMS1(L)-E	220-240V	29 - 32 - 35	30 - 33 - 36	31 - 35 - 39	32 - 36 - 40	

Sound level at anechoic room: Low-High

		Sound level dB (A)		
		Low*	Mid*	High*
PEFY-P40VMH-E2	220V	25 - 30	27 - 34	30 - 40
PEFY-P50VMH-E2	230,240V	30 - 34	31 - 37	31 - 41
PEFY-P63VMH-E2	220V	31 - 36	32 - 38	36 - 43
	230,240V	35 - 39	36 - 41	38 - 44
PEFY-P71VMH-E2	220V	30 - 36	32 - 39	35 - 43
	230,240V	34 - 39	35 - 41	37 - 44
PEFY-P80VMH-E2	220V	32 - 39	35 - 41	37 - 43
	230,240V	37 - 41	38 - 43	39 - 45
PEFY-P100,125VMH-E2	220V	32 - 40	34 - 42	36 - 46
PEFY-P140VMH-E2	230,240V	36 - 42	38 - 44	38 - 47
PEFY-P200VMH-E	380V	42	-	45
	400,415V	44	-	47
PEFY-P250VMH-E	380V	50	-	52
	400,415V	52	-	54

\* External static pressure of PEFY-P40-140VMH-E2

Low: 50Pa at 220V, 100Pa at 230, 240V

Mid: 100Pa at 220V, 150Pa at 230, 240V

High: 200Pa at 220V, 200Pa at 230, 240V

\* External static pressure of PEFY-P200-250VMH-E

Low: 110Pa at 380V, 130Pa at 400, 415V

High: 220Pa at 380V, 260Pa at 400, 415V

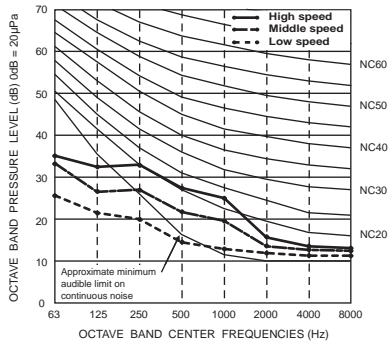
Sound level at anechoic room: Low-Mid-High

		Sound level dB (A)				
		50Pa	100Pa	150Pa	200Pa	250Pa
PEFY-P200VMHS-E	220-240V	32 - 35 - 39	34 - 37 - 41	36 - 39 - 43	38 - 41 - 45	40 - 43 - 47
PEFY-P250VMHS-E	220-240V	35 - 38 - 42	37 - 40 - 44	39 - 42 - 46	41 - 44 - 48	43 - 46 - 50

5-2. NC curves

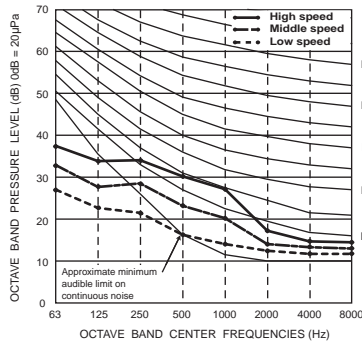
PEFY-P20,25VMR-E-L/R

External static pressure : 5Pa  
Power source : 220V, 50/60Hz



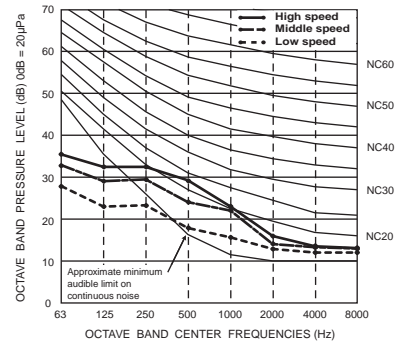
PEFY-P20,25VMR-E-L/R

External static pressure : 5Pa  
Power source : 230V, 50/60Hz



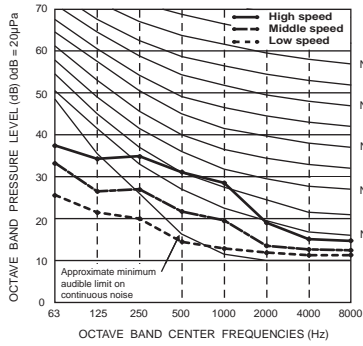
PEFY-P20,25VMR-E-L/R

External static pressure : 5Pa  
Power source : 240V, 50Hz



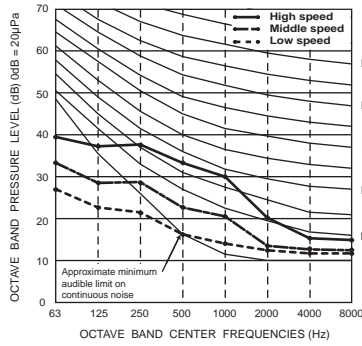
PEFY-P32VMR-E-L/R

External static pressure : 5Pa  
Power source : 220V, 50/60Hz



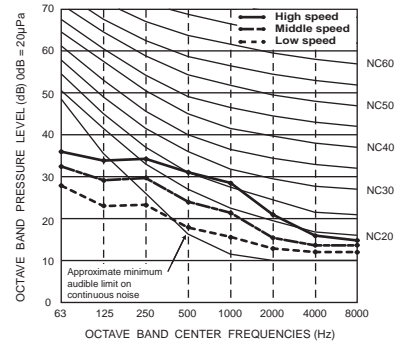
PEFY-P32VMR-E-L/R

External static pressure : 5Pa  
Power source : 230V, 50/60Hz

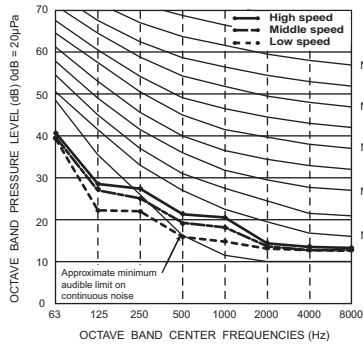


PEFY-P32VMR-E-L/R

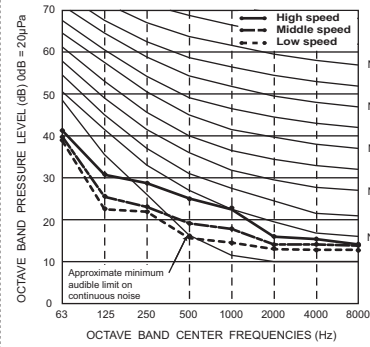
External static pressure : 5Pa  
Power source : 240V, 50Hz



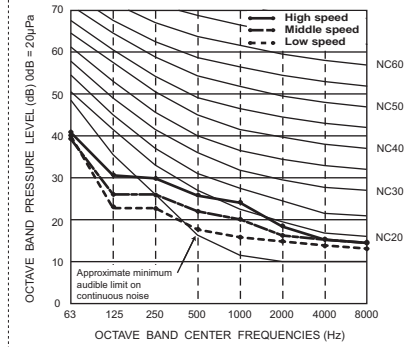
**PEFY-P15VMS1(L)-E**  
 External static pressure : 5Pa  
 Power source : 220,230,240V, 50/60Hz



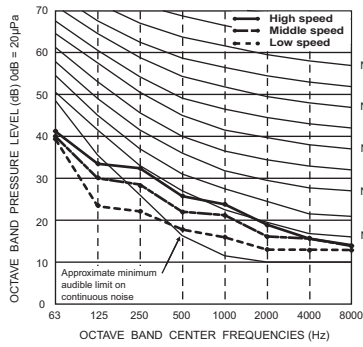
**PEFY-P15VMS1(L)-E**  
 External static pressure : 15Pa  
 Power source : 220,230,240V, 50/60Hz



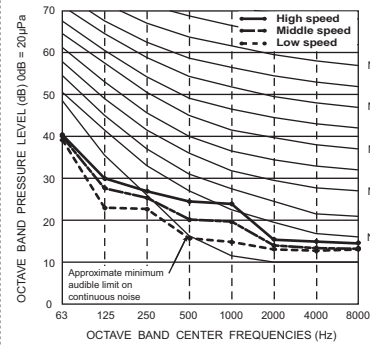
**PEFY-P15VMS1(L)-E**  
 External static pressure : 35Pa  
 Power source : 220,230,240V, 50/60Hz



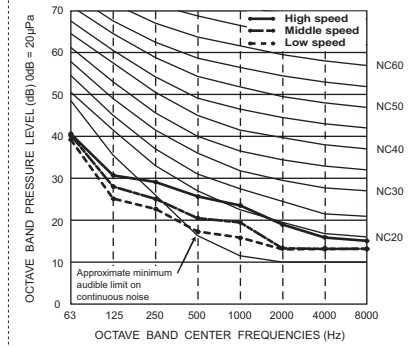
**PEFY-P15VMS1(L)-E**  
 External static pressure : 50Pa  
 Power source : 220,230,240V, 50/60Hz



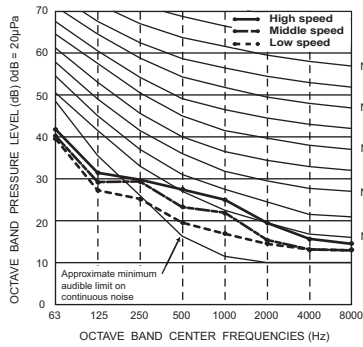
**PEFY-P20VMS1(L)-E**  
 External static pressure : 5Pa  
 Power source : 220,230,240V, 50/60Hz



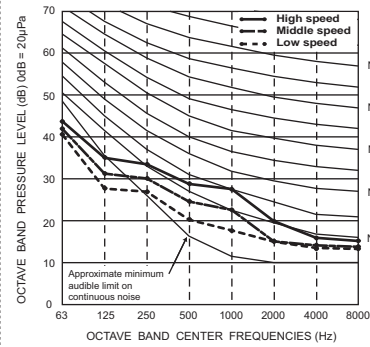
**PEFY-P20VMS1(L)-E**  
 External static pressure : 15Pa  
 Power source : 220,230,240V, 50/60Hz



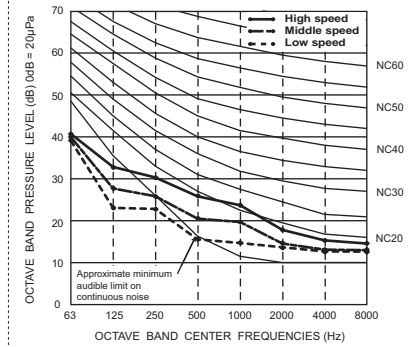
**PEFY-P20VMS1(L)-E**  
 External static pressure : 35Pa  
 Power source : 220,230,240V, 50/60Hz



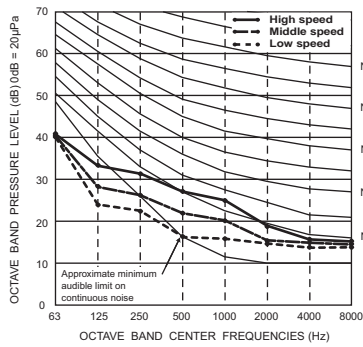
**PEFY-P20VMS1(L)-E**  
 External static pressure : 50Pa  
 Power source : 220,230,240V, 50/60Hz



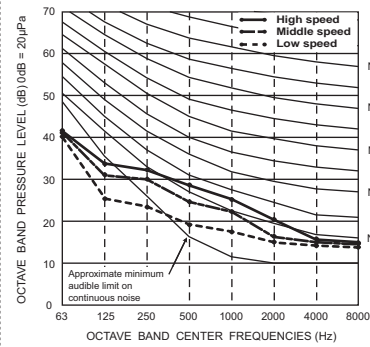
**PEFY-P25VMS1(L)-E**  
 External static pressure : 5Pa  
 Power source : 220,230,240V, 50/60Hz



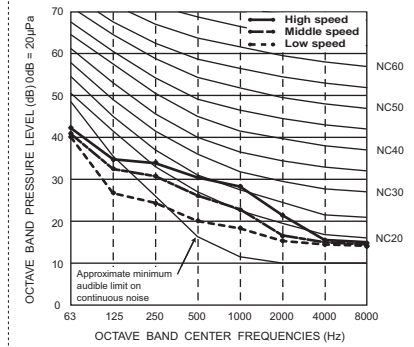
**PEFY-P25VMS1(L)-E**  
 External static pressure : 15Pa  
 Power source : 220,230,240V, 50/60Hz



**PEFY-P25VMS1(L)-E**  
 External static pressure : 35Pa  
 Power source : 220,230,240V, 50/60Hz

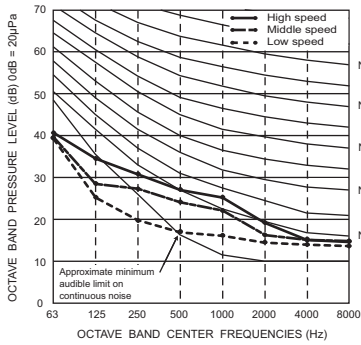


**PEFY-P25VMS1(L)-E**  
 External static pressure : 50Pa  
 Power source : 220,230,240V, 50/60Hz

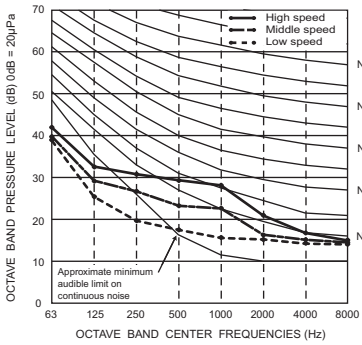




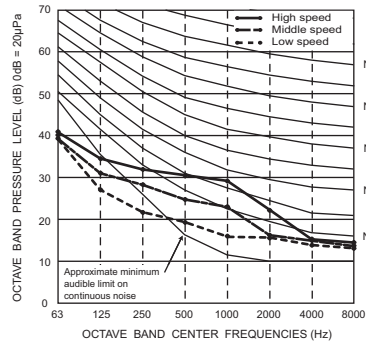
**PEFY-P32VMS1(L)-E**  
 External static pressure : 5Pa  
 Power source : 220,230,240V, 50/60Hz



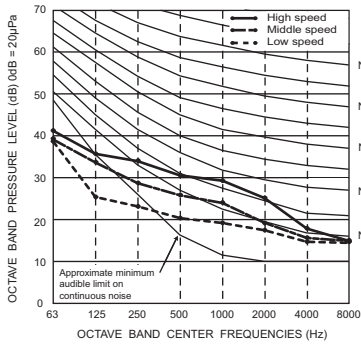
**PEFY-P32VMS1(L)-E**  
 External static pressure : 15Pa  
 Power source : 220,230,240V, 50/60Hz



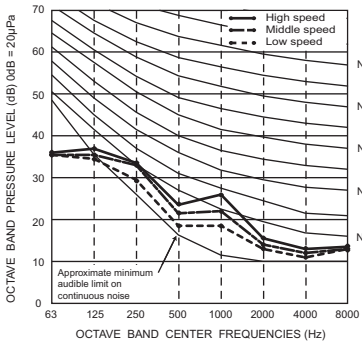
**PEFY-P32VMS1(L)-E**  
 External static pressure : 35Pa  
 Power source : 220,230,240V, 50/60Hz



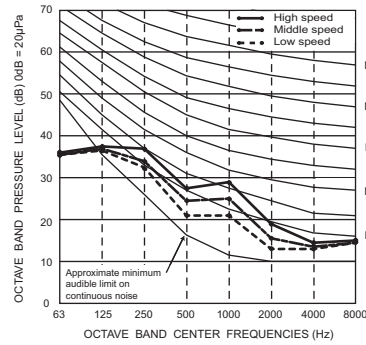
**PEFY-P32VMS1(L)-E**  
 External static pressure : 50Pa  
 Power source : 220,230,240V, 50/60Hz



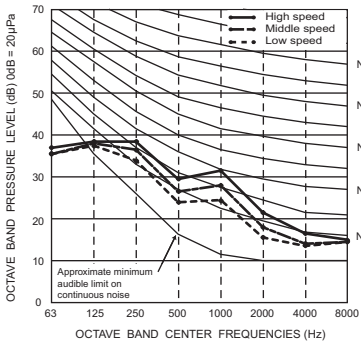
**PEFY-P40VMS1(L)-E**  
 External static pressure : 5Pa  
 Power source : 220,230,240V, 50/60Hz



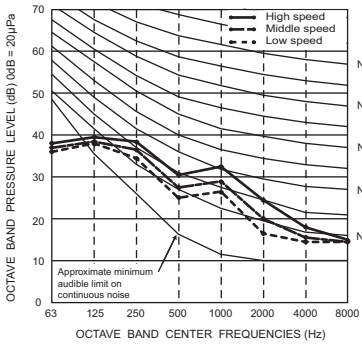
**PEFY-P40VMS1(L)-E**  
 External static pressure : 15Pa  
 Power source : 220,230,240V, 50/60Hz



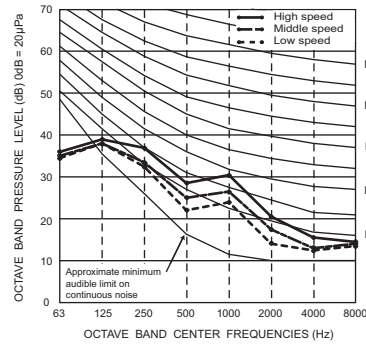
**PEFY-P40VMS1(L)-E**  
 External static pressure : 35Pa  
 Power source : 220,230,240V, 50/60Hz



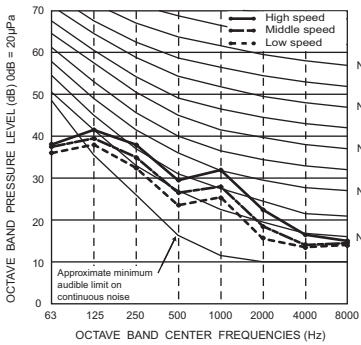
**PEFY-P40VMS1(L)-E**  
 External static pressure : 50Pa  
 Power source : 220,230,240V, 50/60Hz



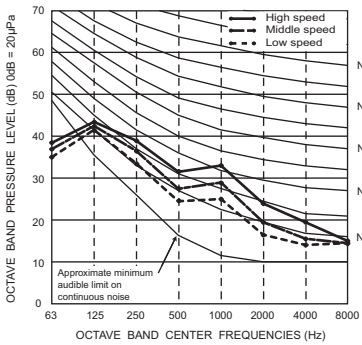
**PEFY-P50VMS1(L)-E**  
 External static pressure : 5Pa  
 Power source : 220,230,240V, 50/60Hz



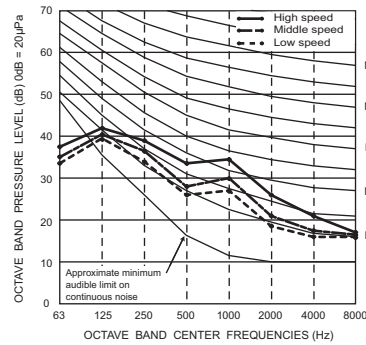
**PEFY-P50VMS1(L)-E**  
 External static pressure : 15Pa  
 Power source : 220,230,240V, 50/60Hz



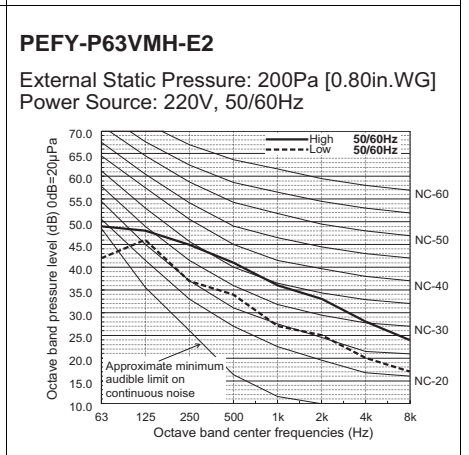
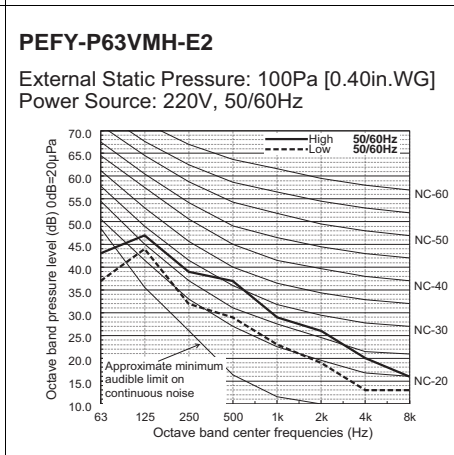
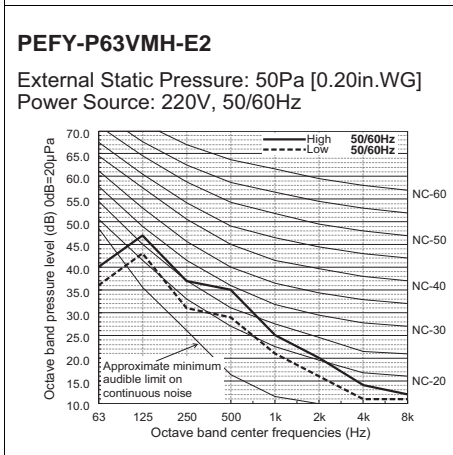
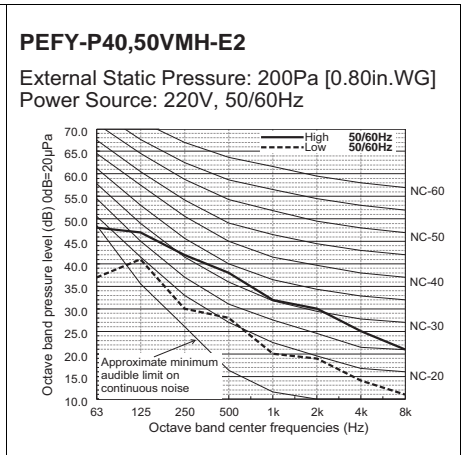
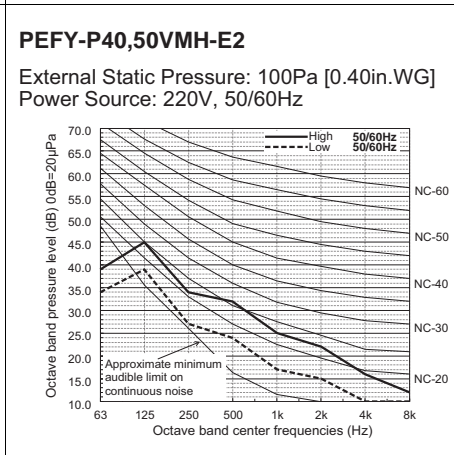
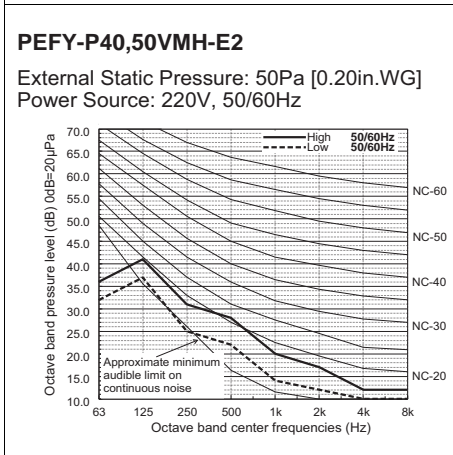
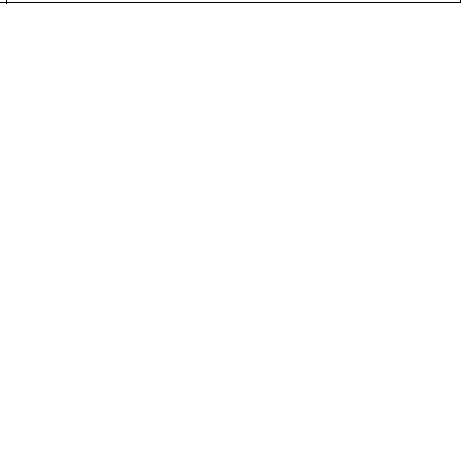
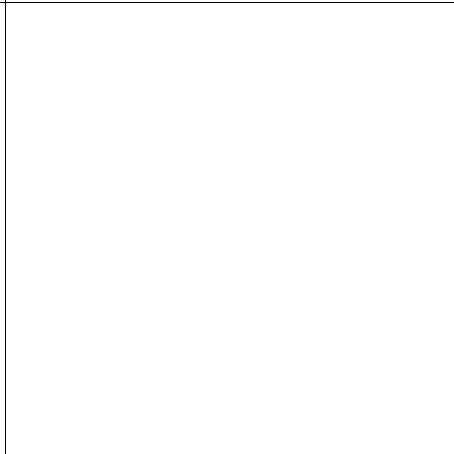
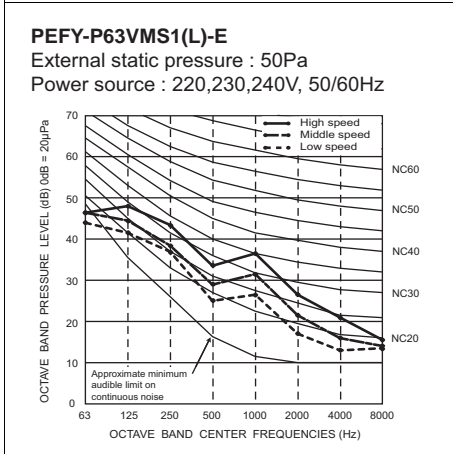
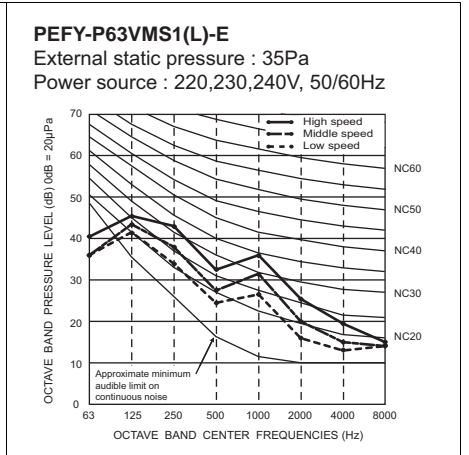
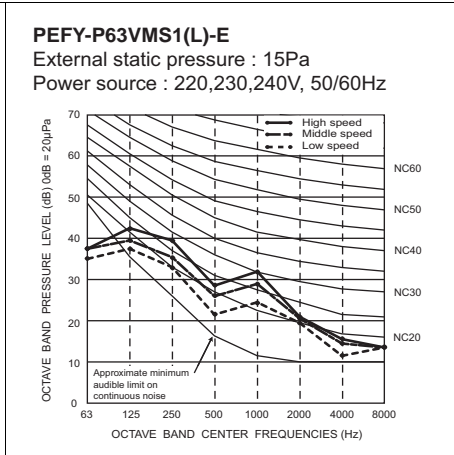
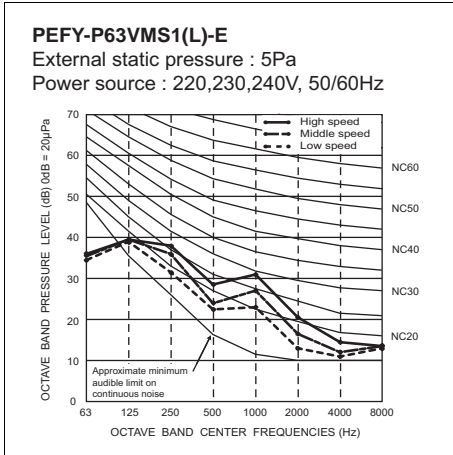
**PEFY-P50VMS1(L)-E**  
 External static pressure : 35Pa  
 Power source : 220,230,240V, 50/60Hz



**PEFY-P50VMS1(L)-E**  
 External static pressure : 50Pa  
 Power source : 220,230,240V, 50/60Hz

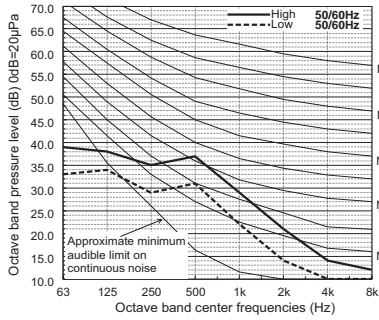






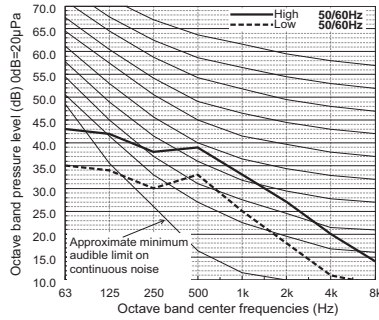
**PEFY-P71VMH-E2**

External Static Pressure: 50Pa [0.20in.WG]  
Power Source: 220V, 50/60Hz



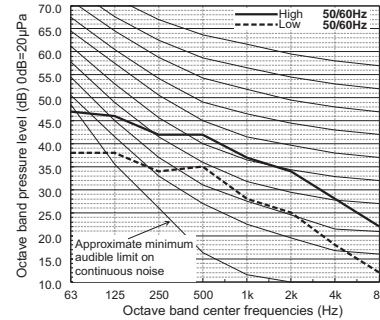
**PEFY-P71VMH-E2**

External Static Pressure: 100Pa [0.40in.WG]  
Power Source: 220V, 50/60Hz



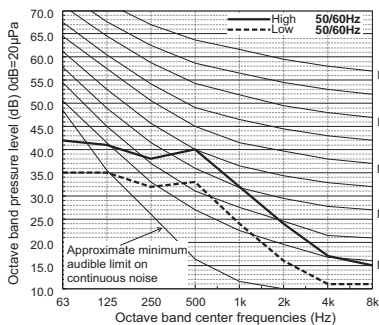
**PEFY-P71VMH-E2**

External Static Pressure: 200Pa [0.80in.WG]  
Power Source: 220V, 50/60Hz



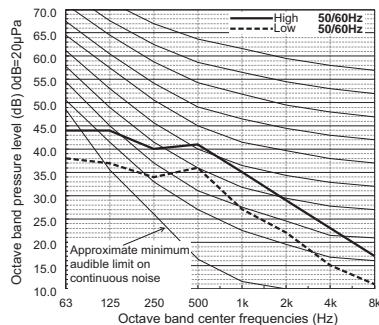
**PEFY-P80VMH-E2**

External Static Pressure: 50Pa [0.20in.WG]  
Power Source: 220V, 50/60Hz



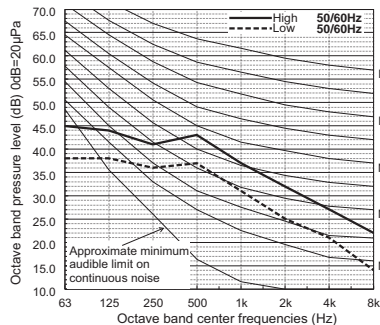
**PEFY-P80VMH-E2**

External Static Pressure: 100Pa [0.40in.WG]  
Power Source: 220V, 50/60Hz



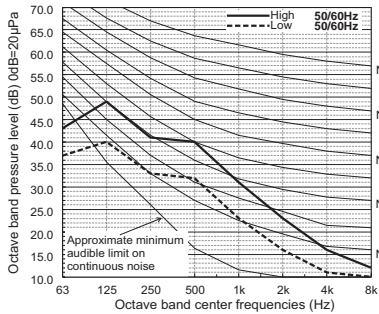
**PEFY-P80VMH-E2**

External Static Pressure: 200Pa [0.80in.WG]  
Power Source: 220V, 50/60Hz



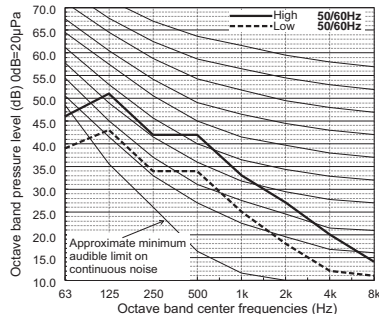
**PEFY-P100,125,140VMH-E2**

External Static Pressure: 50Pa [0.20in.WG]  
Power Source: 220V, 50/60Hz



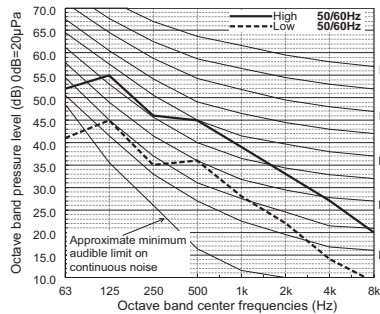
**PEFY-P100,125,140VMH-E2**

External Static Pressure: 100Pa [0.40in.WG]  
Power Source: 220V, 50/60Hz



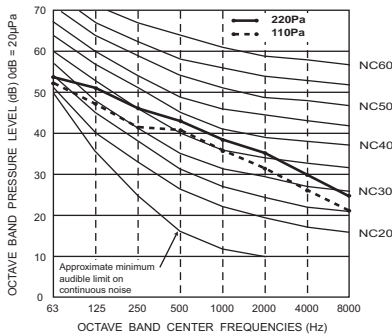
**PEFY-P100,125,140VMH-E2**

External Static Pressure: 200Pa [0.80in.WG]  
Power Source: 220V, 50/60Hz



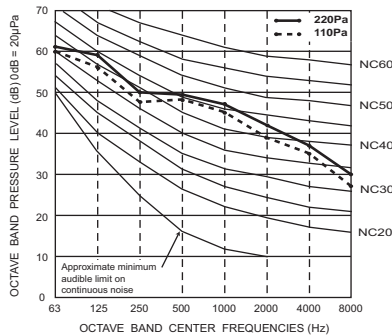
**PEFY-P200VMH-E**

External static pressure : 110,220Pa  
Power source : 380V, 50/60Hz



**PEFY-P250VMH-E**

External static pressure : 110,220Pa  
Power source : 380V, 50/60Hz

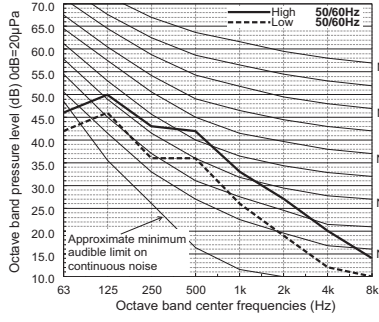




<p><b>PEFY-P40,50VMH-E2</b></p> <p>External Static Pressure: 100Pa [0.40in.WG] Power Source: 230,240V, 50/60Hz</p>	<p><b>PEFY-P40,50VMH-E2</b></p> <p>External Static Pressure: 150Pa [0.60in.WG] Power Source: 230,240V, 50/60Hz</p>	<p><b>PEFY-P40,50VMH-E2</b></p> <p>External Static Pressure: 200Pa [0.80in.WG] Power Source: 230,240V, 50/60Hz</p>
<p><b>PEFY-P63VMH-E2</b></p> <p>External Static Pressure: 100Pa [0.40in.WG] Power Source: 230,240V, 50/60Hz</p>	<p><b>PEFY-P63VMH-E2</b></p> <p>External Static Pressure: 150Pa [0.60in.WG] Power Source: 230,240V, 50/60Hz</p>	<p><b>PEFY-P63VMH-E2</b></p> <p>External Static Pressure: 200Pa [0.80in.WG] Power Source: 230,240V, 50/60Hz</p>
<p><b>PEFY-P71VMH-E2</b></p> <p>External Static Pressure: 100Pa [0.40in.WG] Power Source: 230,240V, 50/60Hz</p>	<p><b>PEFY-P71VMH-E2</b></p> <p>External Static Pressure: 150Pa [0.60in.WG] Power Source: 230,240V, 50/60Hz</p>	<p><b>PEFY-P71VMH-E2</b></p> <p>External Static Pressure: 200Pa [0.80in.WG] Power Source: 230,240V, 50/60Hz</p>
<p><b>PEFY-P80VMH-E2</b></p> <p>External Static Pressure: 100Pa [0.40in.WG] Power Source: 230,240V, 50/60Hz</p>	<p><b>PEFY-P80VMH-E2</b></p> <p>External Static Pressure: 150Pa [0.60in.WG] Power Source: 230,240V, 50/60Hz</p>	<p><b>PEFY-P80VMH-E2</b></p> <p>External Static Pressure: 200Pa [0.80in.WG] Power Source: 230,240V, 50/60Hz</p>

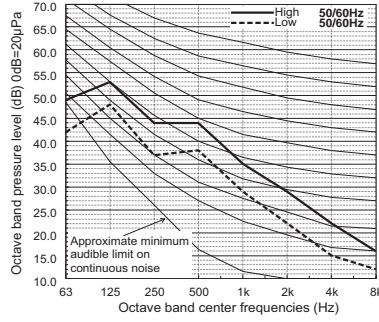
**PEFY-P100,125,140VMH-E2**

External Static Pressure: 100Pa [0.40in.WG]  
Power Source: 230,240V, 50/60Hz



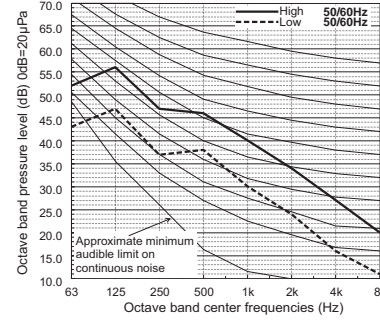
**PEFY-P100,125,140VMH-E2**

External Static Pressure: 150Pa [0.60in.WG]  
Power Source: 230,240V, 50/60Hz



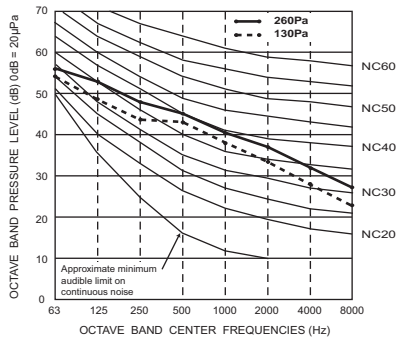
**PEFY-P100,125,140VMH-E2**

External Static Pressure: 200Pa [0.80in.WG]  
Power Source: 230,240V, 50/60Hz



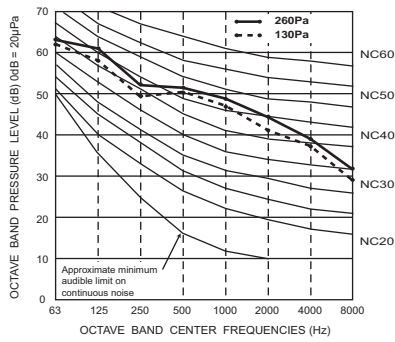
**PEFY-P200VMH-E**

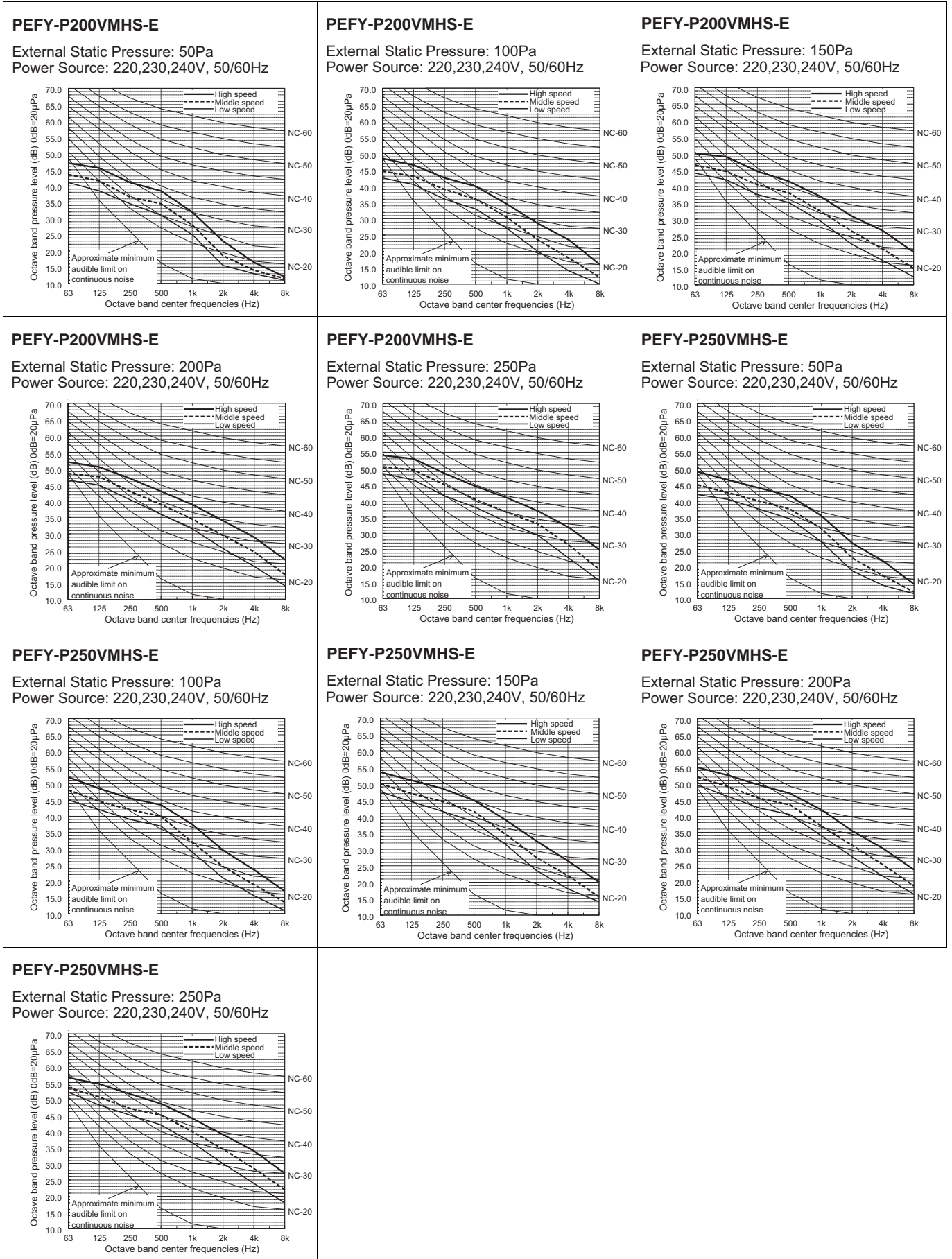
External static pressure : 130,260Pa  
Power source : 400,415V, 50/60Hz



**PEFY-P250VMH-E**

External static pressure : 130,260Pa  
Power source : 400,415V, 50/60Hz



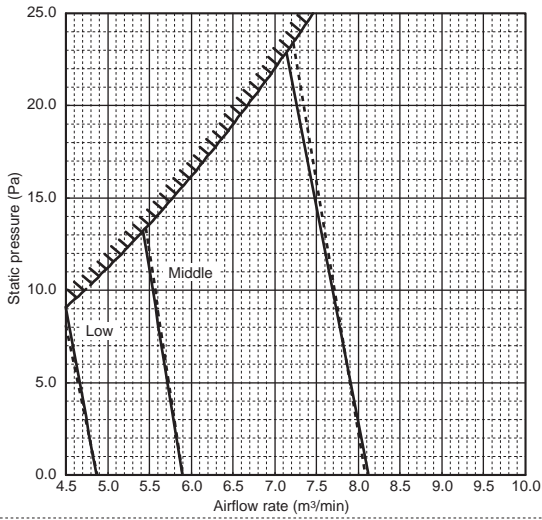




**PEFY-P20,25VMR-E-L/R**

External static pressure : 5Pa  
Power source : 220,230,240V

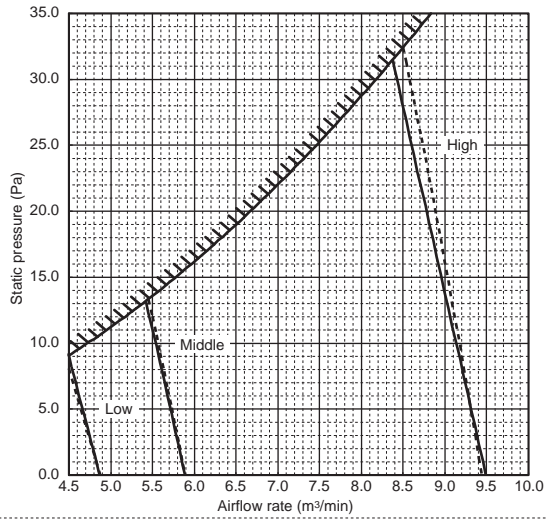
Suction : Back inlet  
— 50Hz  
- - - 60Hz



**PEFY-P32VMR-E-L/R**

External static pressure : 5Pa  
Power source : 220,230,240V

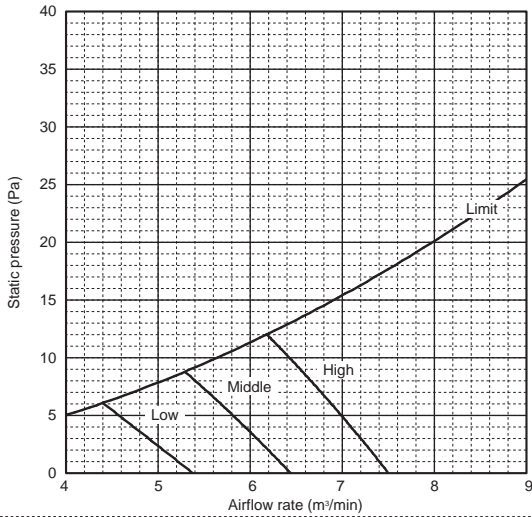
Suction : Back inlet  
— 50Hz  
- - - 60Hz



**PEFY-P15VMS1(L)-E**

External static pressure : 5Pa  
Power source : 220,230,240V, 50/60Hz

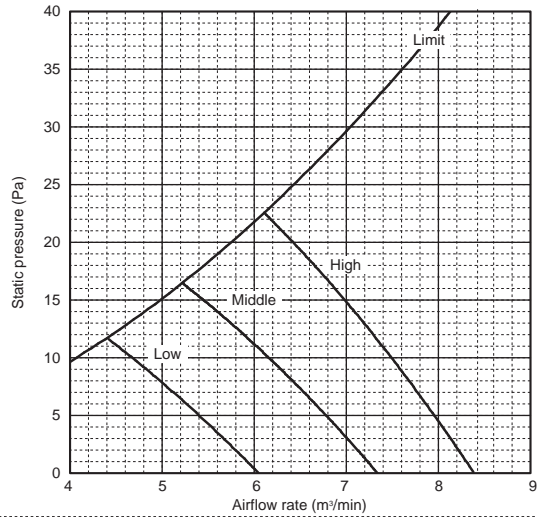
Suction : Back inlet



**PEFY-P15VMS1(L)-E**

External static pressure : 15Pa  
Power source : 220,230,240V, 50/60Hz

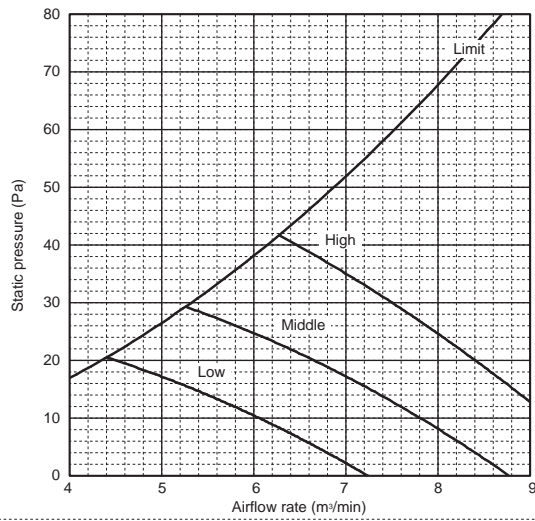
Suction : Back inlet



**PEFY-P15VMS1(L)-E**

External static pressure : 35Pa  
Power source : 220,230,240V, 50/60Hz

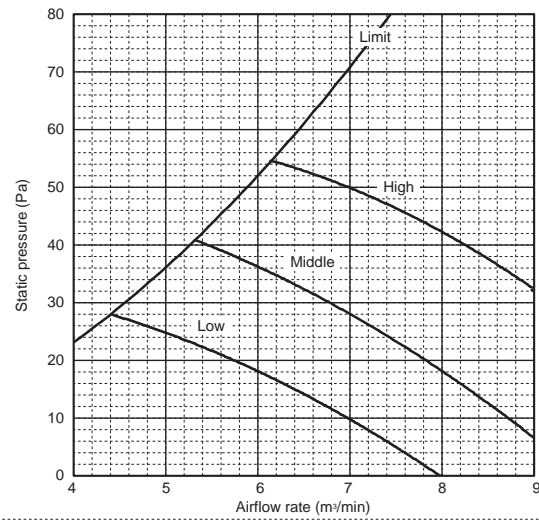
Suction : Back inlet



**PEFY-P15VMS1(L)-E**

External static pressure : 50Pa  
Power source : 220,230,240V, 50/60Hz

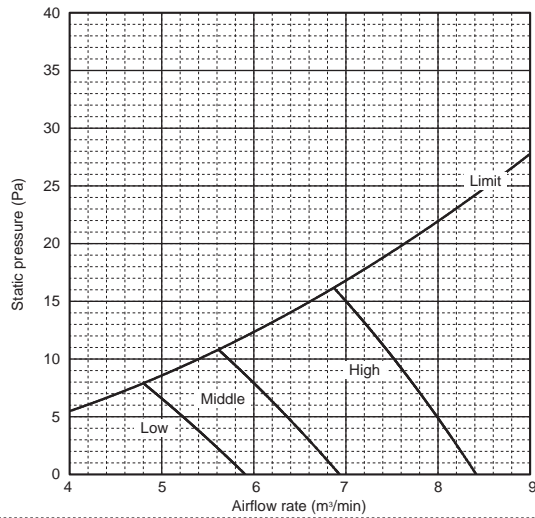
Suction : Back inlet



**PEFY-P20VMS1(L)-E**

External static pressure : 5Pa  
Power source : 220,230,240V, 50/60Hz

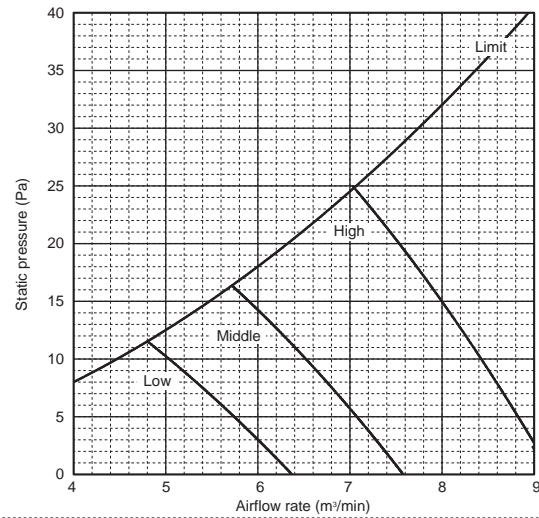
Suction : Back inlet



**PEFY-P20VMS1(L)-E**

External static pressure : 15Pa  
Power source : 220,230,240V, 50/60Hz

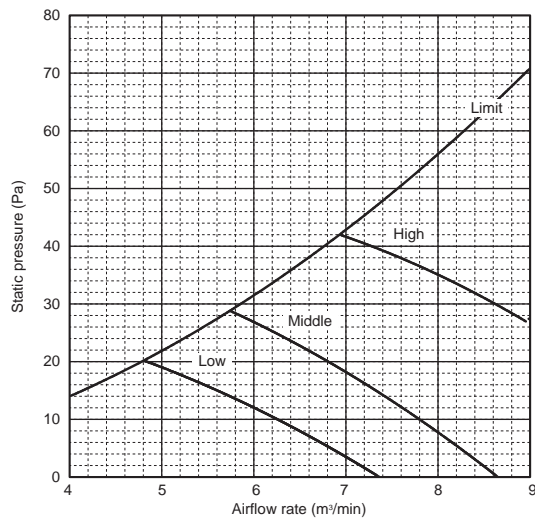
Suction : Back inlet



**PEFY-P20VMS1(L)-E**

External static pressure : 35Pa  
Power source : 220,230,240V, 50/60Hz

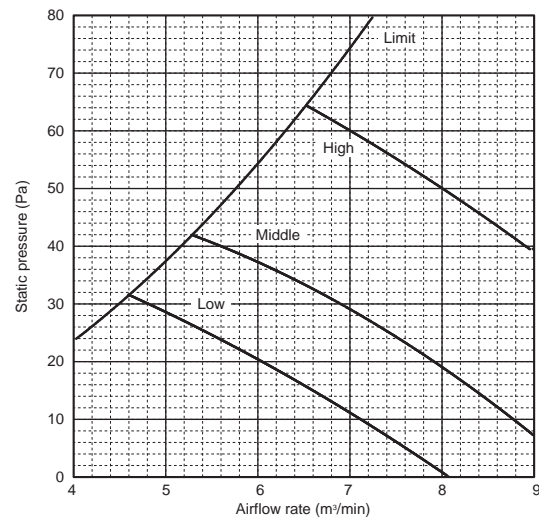
Suction : Back inlet

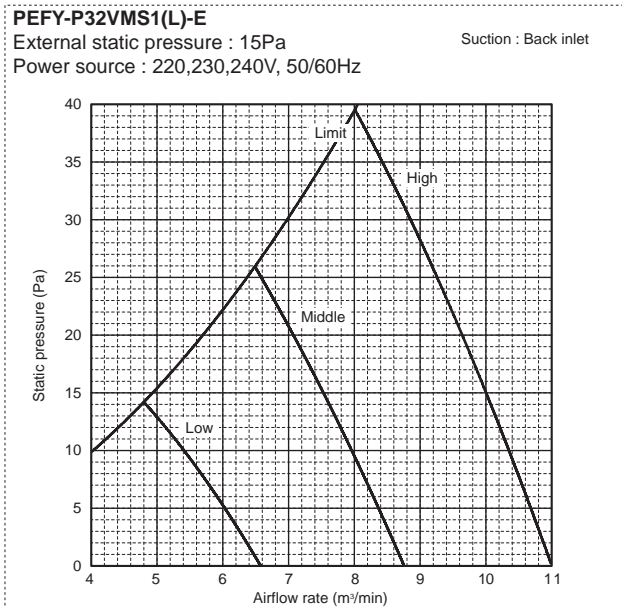
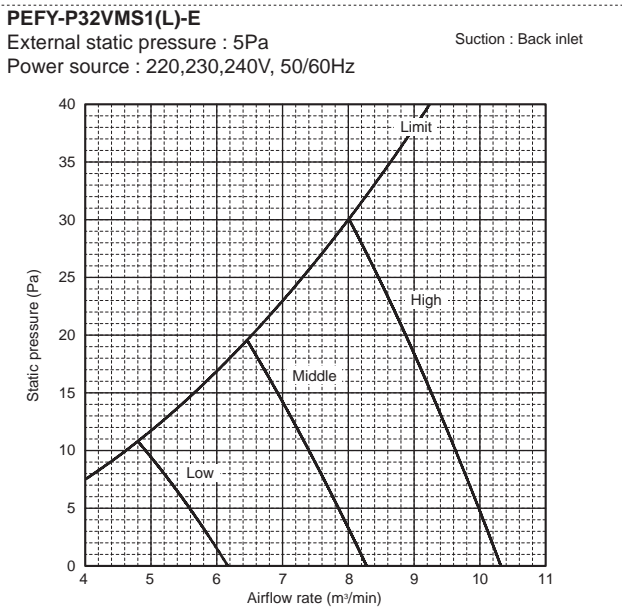
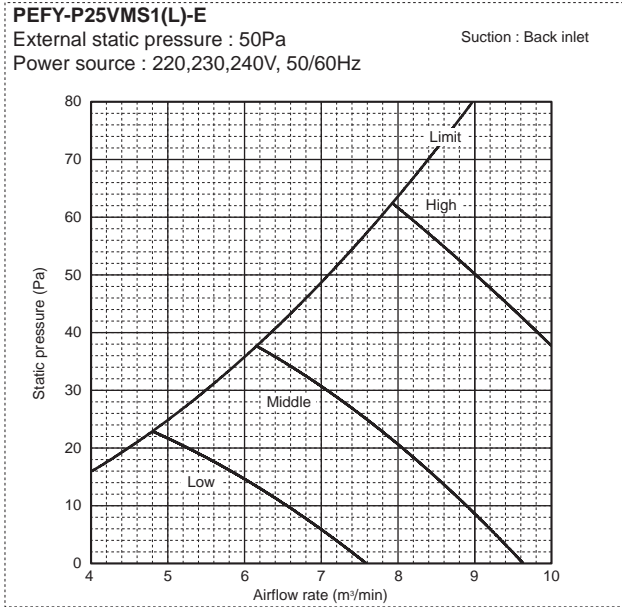
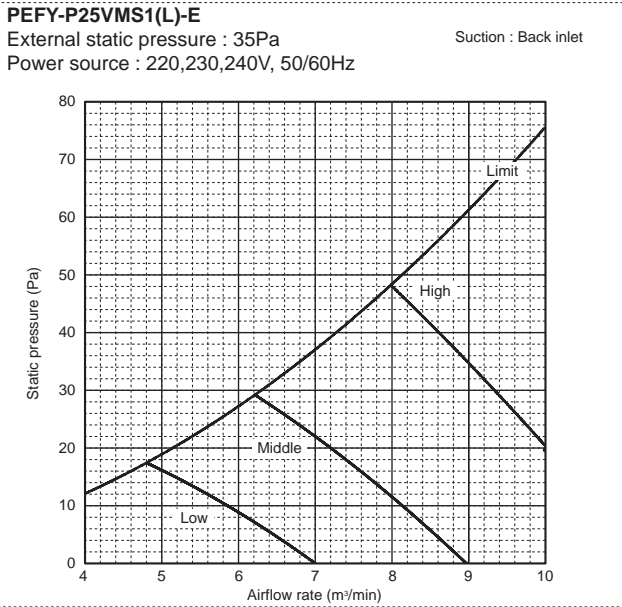
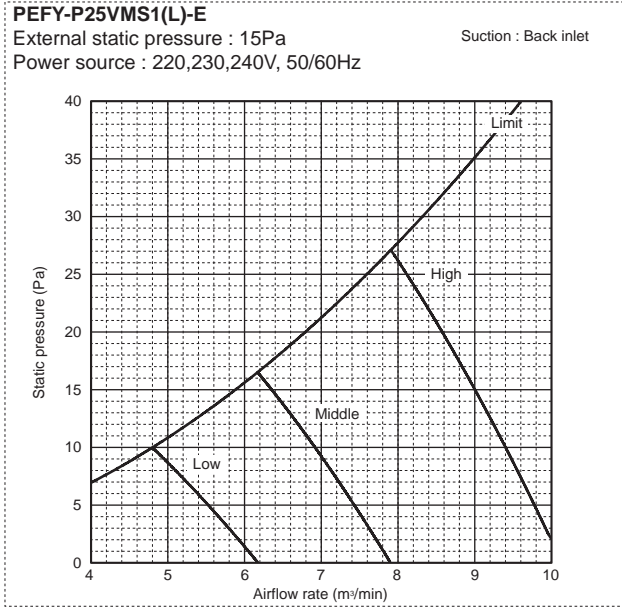
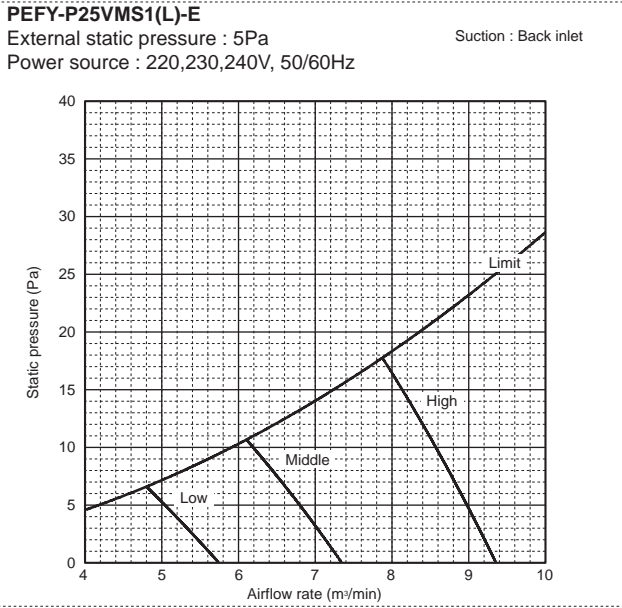


**PEFY-P20VMS1(L)-E**

External static pressure : 50Pa  
Power source : 220,230,240V, 50/60Hz

Suction : Back inlet



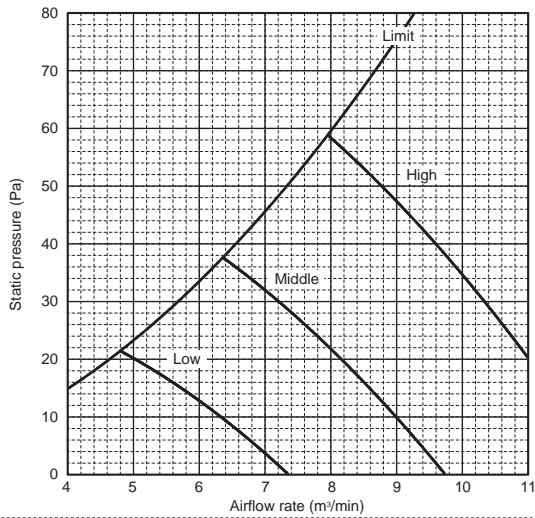




**PEFY-P32VMS1(L)-E**

External static pressure : 35Pa  
Power source : 220,230,240V, 50/60Hz

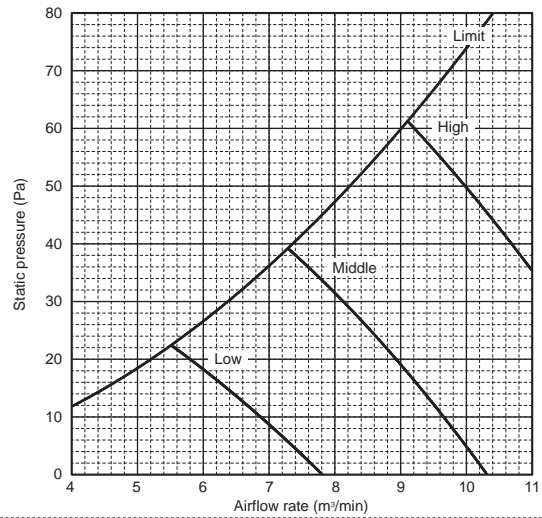
Suction : Back inlet



**PEFY-P32VMS1(L)-E**

External static pressure : 50Pa  
Power source : 220,230,240V, 50/60Hz

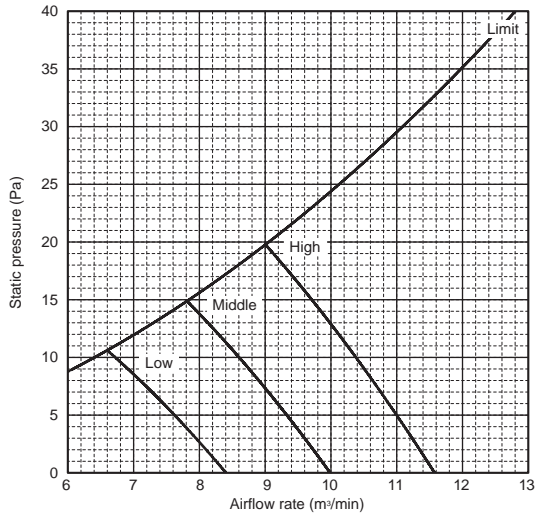
Suction : Back inlet



**PEFY-P40VMS1(L)-E**

External static pressure : 5Pa  
Power source : 220,230,240V, 50/60Hz

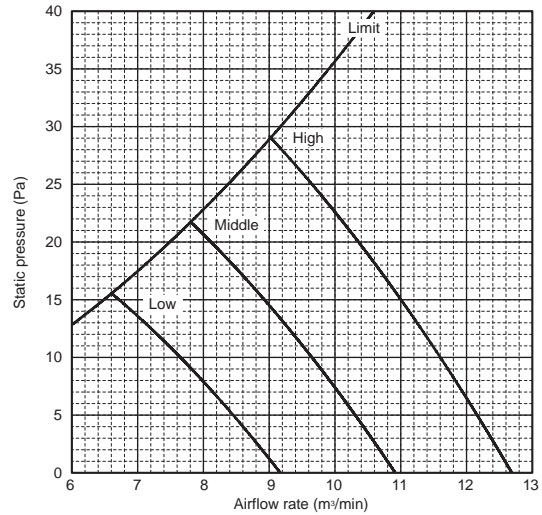
Suction : Back inlet



**PEFY-P40VMS1(L)-E**

External static pressure : 15Pa  
Power source : 220,230,240V, 50/60Hz

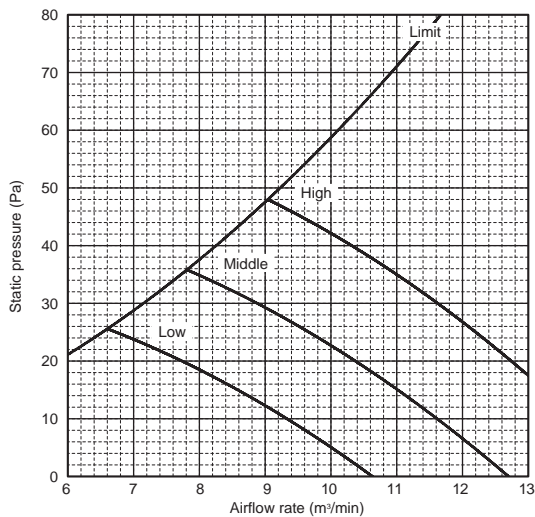
Suction : Back inlet



**PEFY-P40VMS1(L)-E**

External static pressure : 35Pa  
Power source : 220,230,240V, 50/60Hz

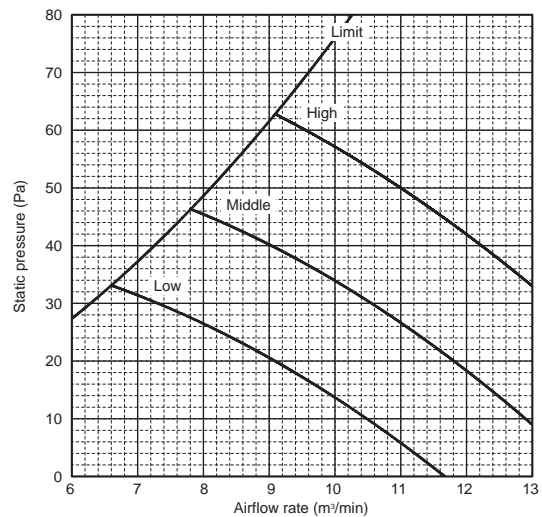
Suction : Back inlet

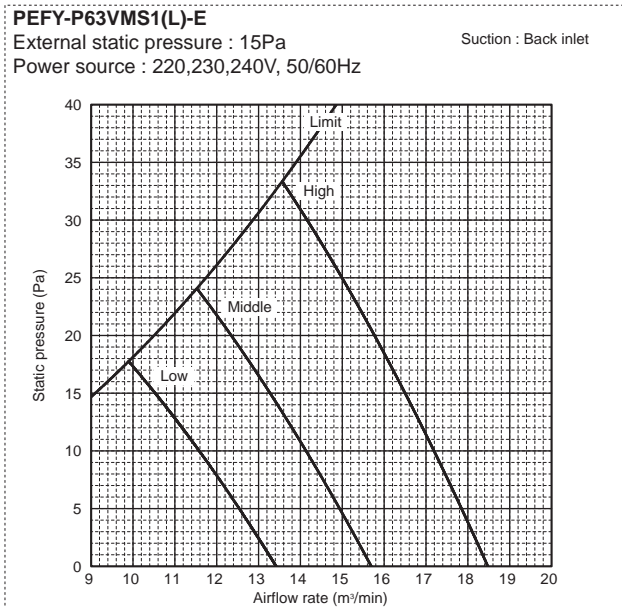
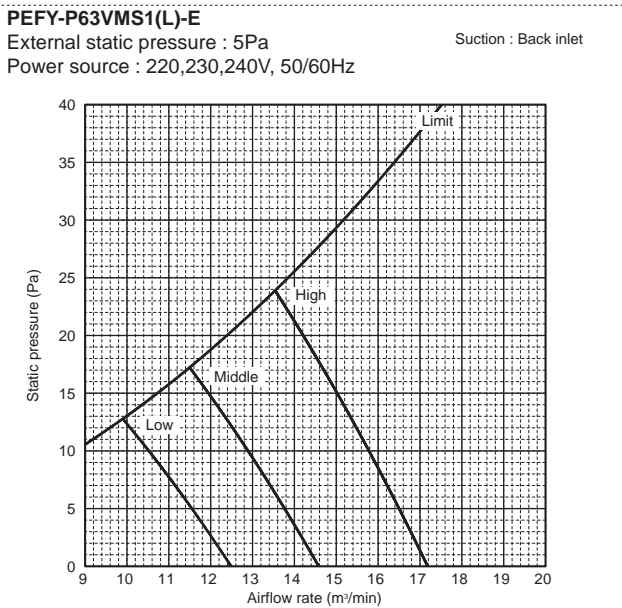
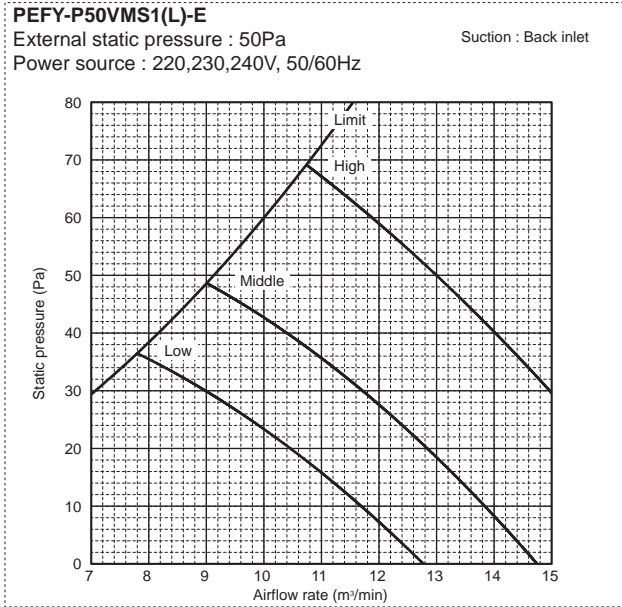
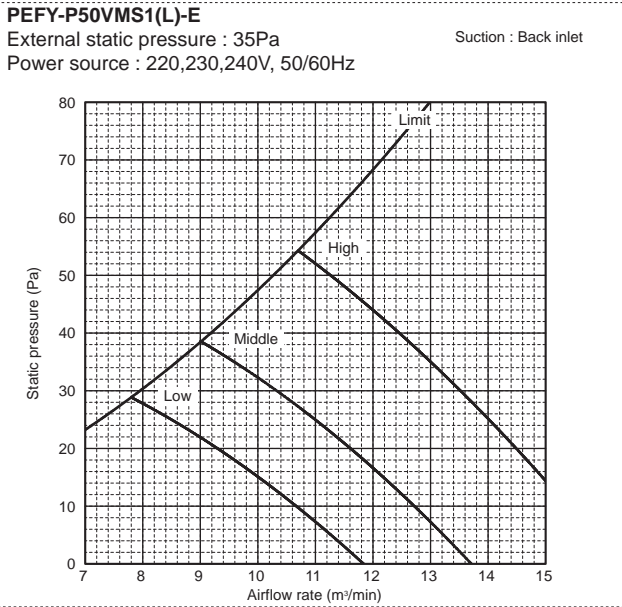
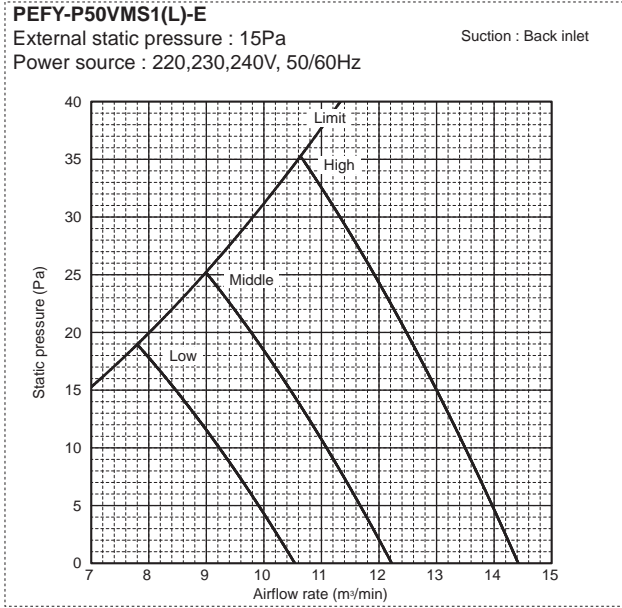
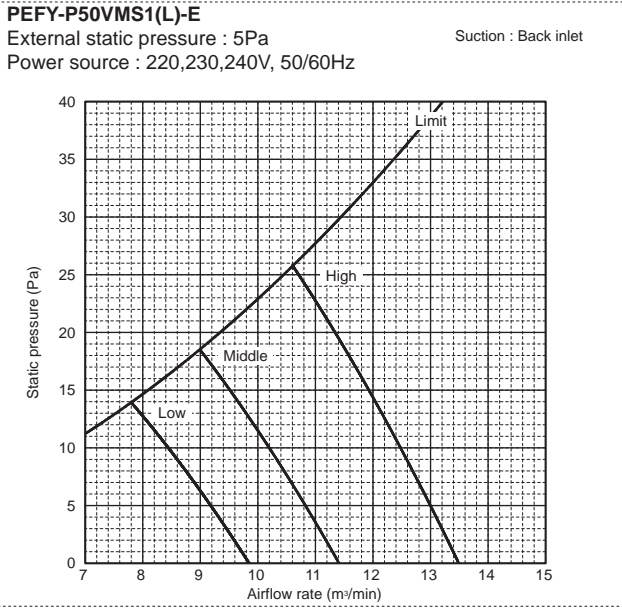


**PEFY-P40VMS1(L)-E**

External static pressure : 50Pa  
Power source : 220,230,240V, 50/60Hz

Suction : Back inlet

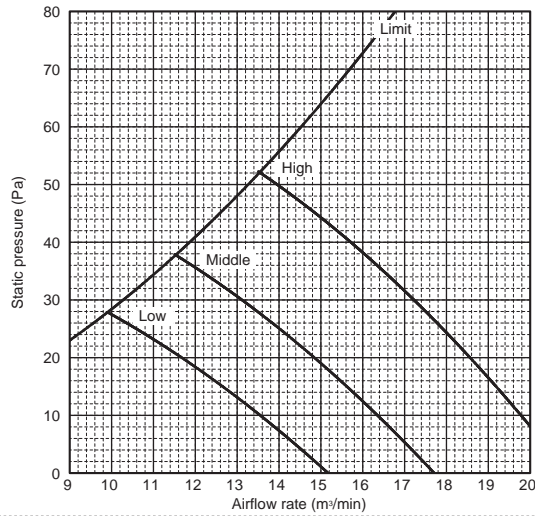




**PEFY-P63VMS1(L)-E**

External static pressure : 35Pa  
Power source : 220,230,240V, 50/60Hz

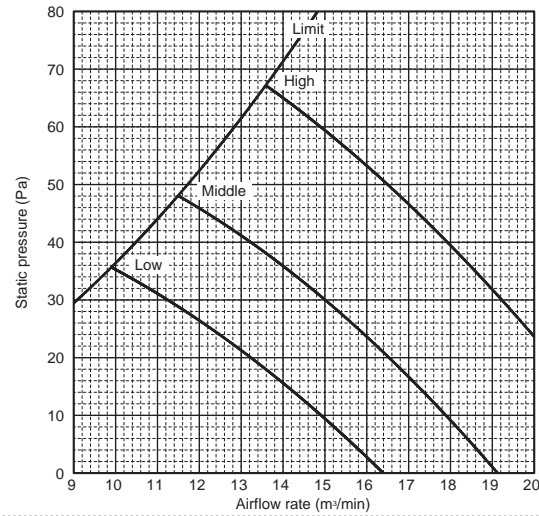
Suction: Back inlet



**PEFY-P63VMS1(L)-E**

External static pressure : 50Pa  
Power source : 220,230,240V, 50/60Hz

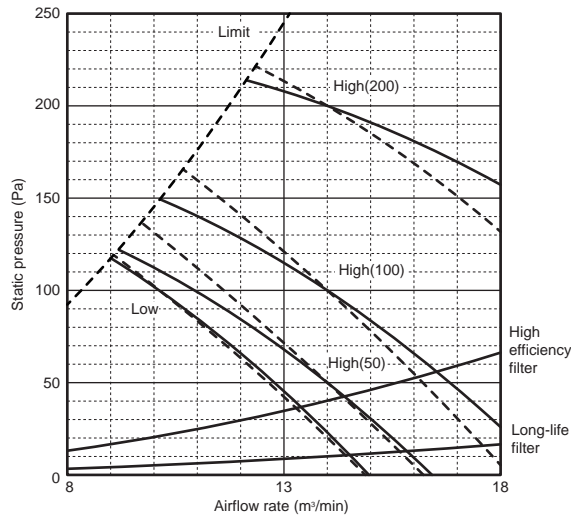
Suction: Back inlet



**PEFY-P40,50VMH-E2**

External static pressure : 50,100,200Pa  
Power source : 220V

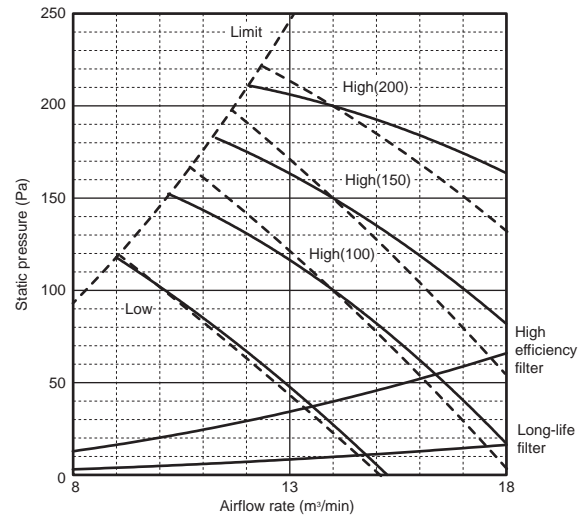
Suction: Back inlet



**PEFY-P40,50VMH-E2**

External static pressure : 100,150,200Pa  
Power source : 230,240V

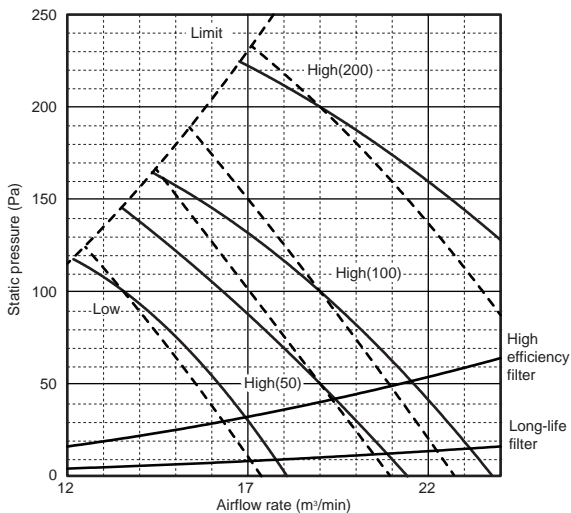
Suction: Back inlet



**PEFY-P63VMH-E2**

External static pressure : 50,100,200Pa  
Power source : 220V

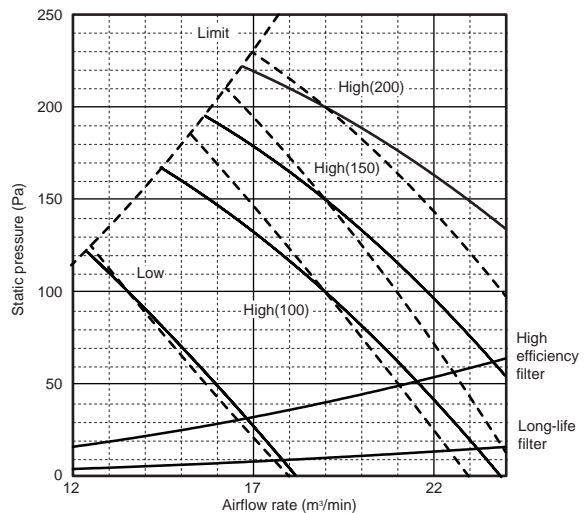
Suction: Back inlet

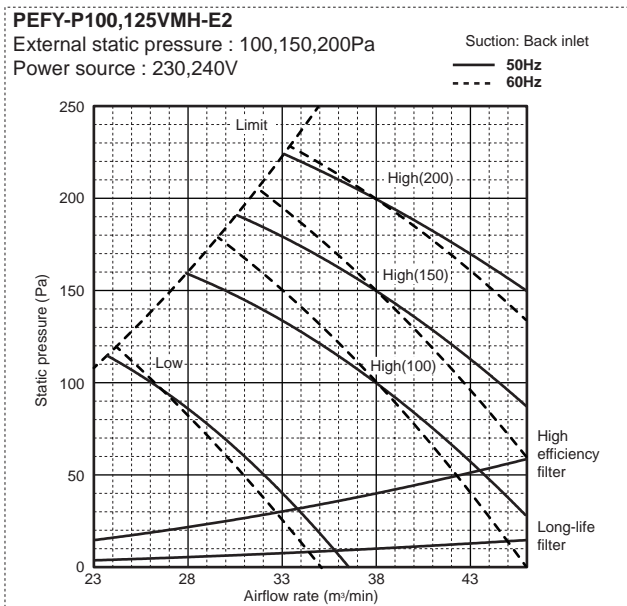
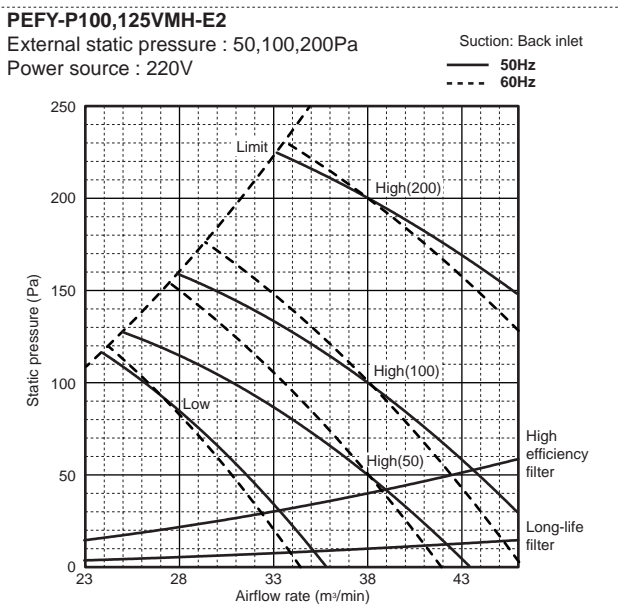
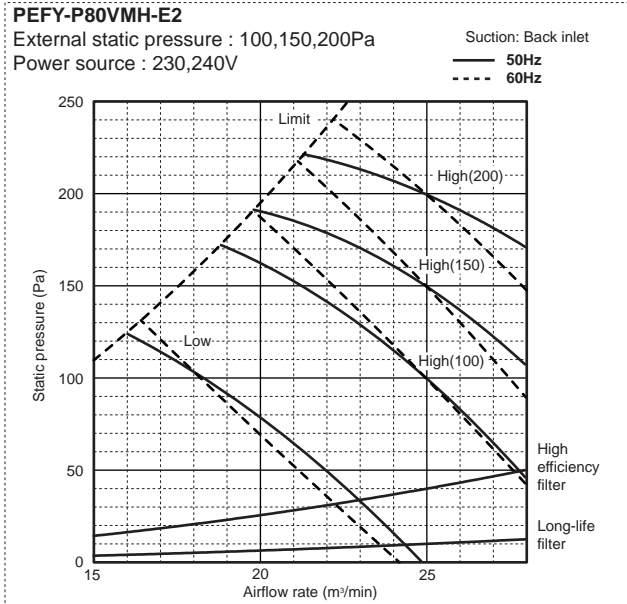
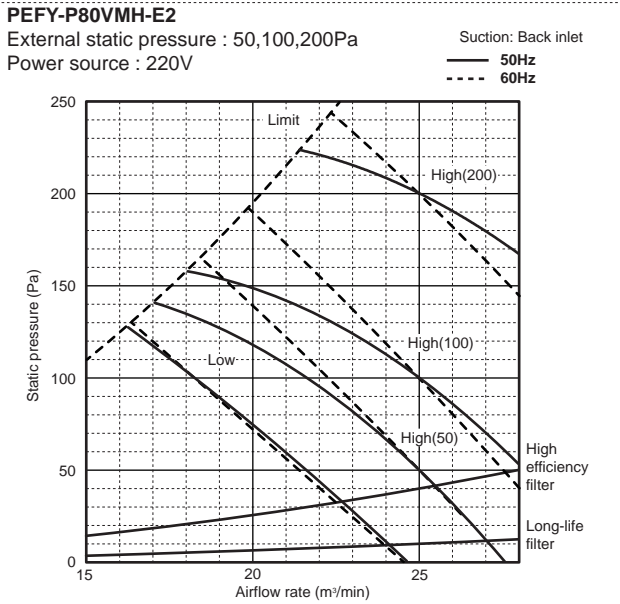
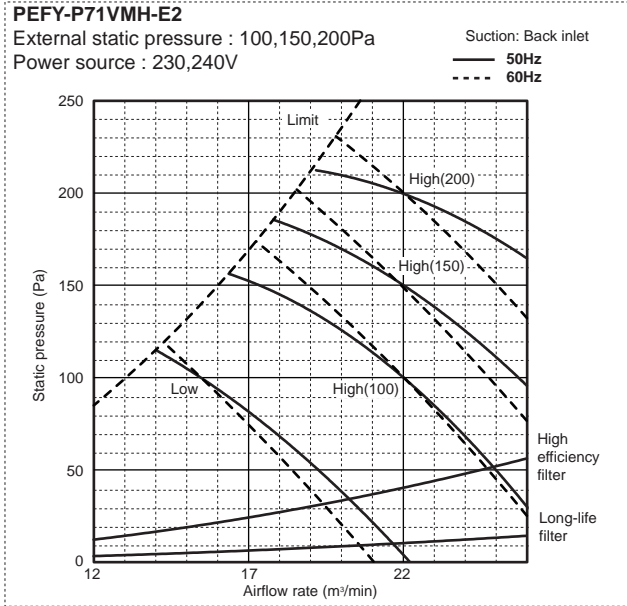
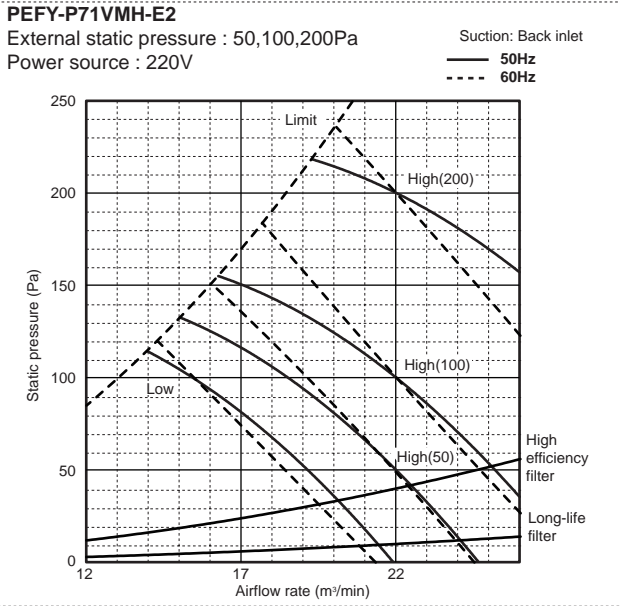


**PEFY-P63VMH-E2**

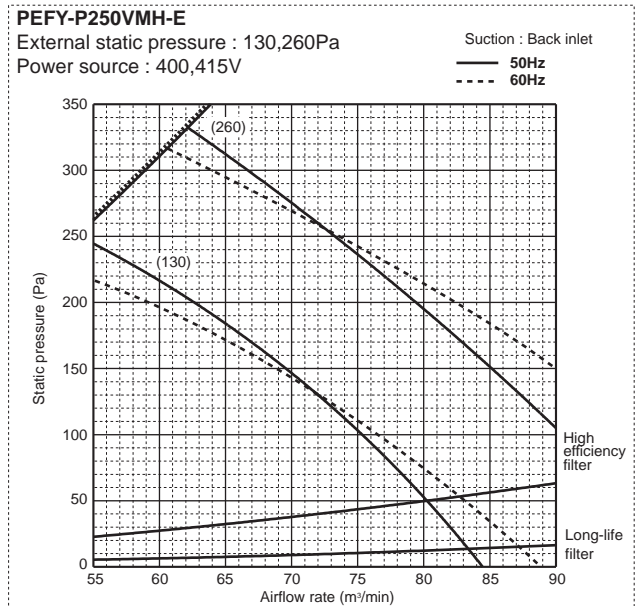
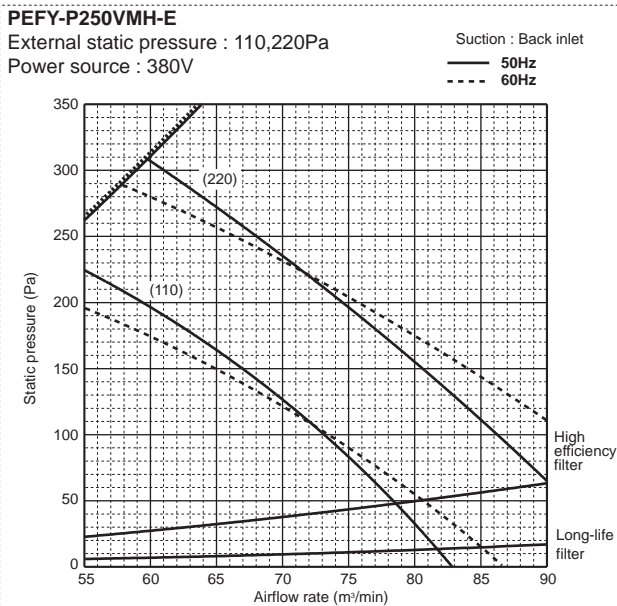
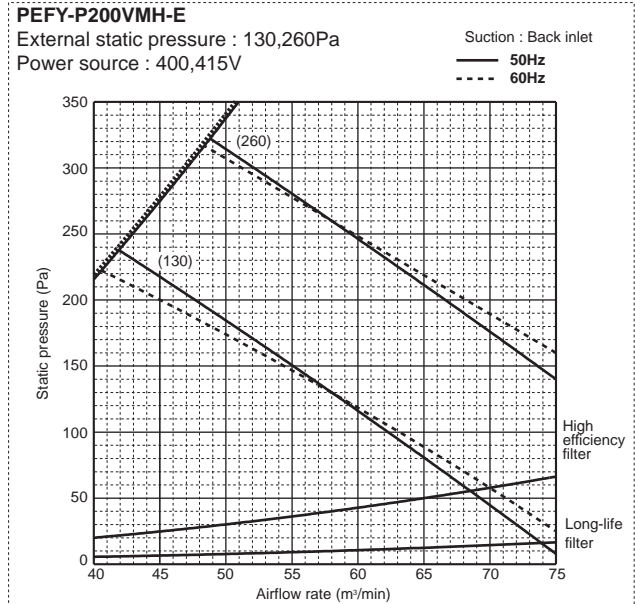
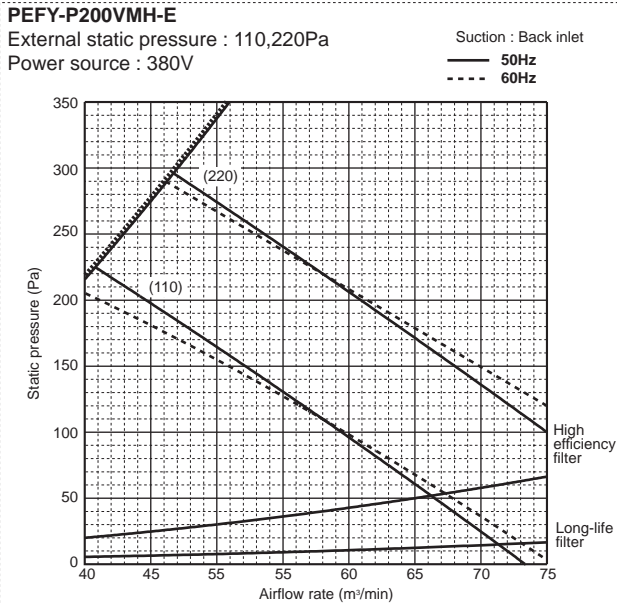
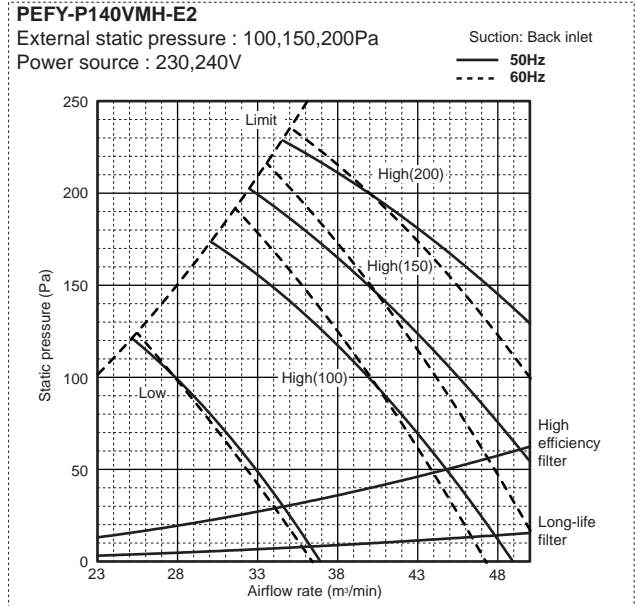
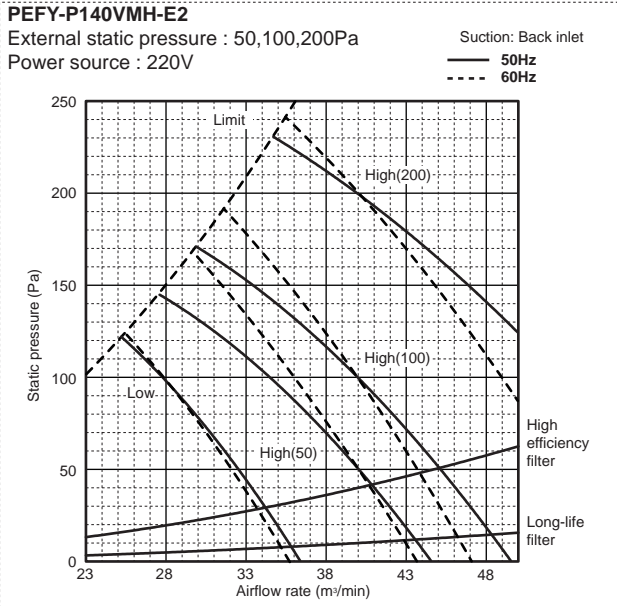
External static pressure : 100,150,200Pa  
Power source : 230,240V

Suction: Back inlet







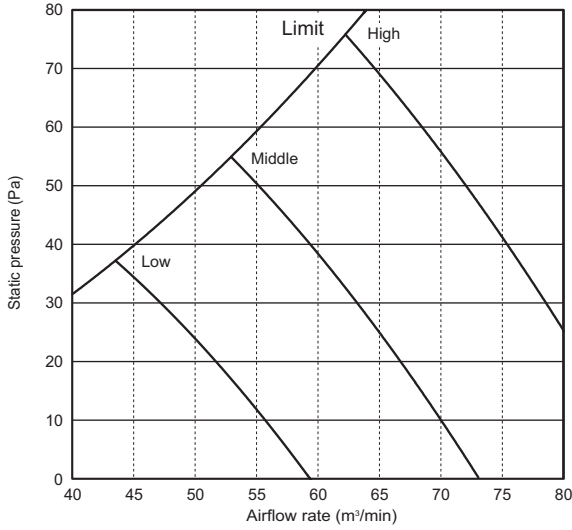


# 6. FAN CHARACTERISTICS CURVES

PEFY

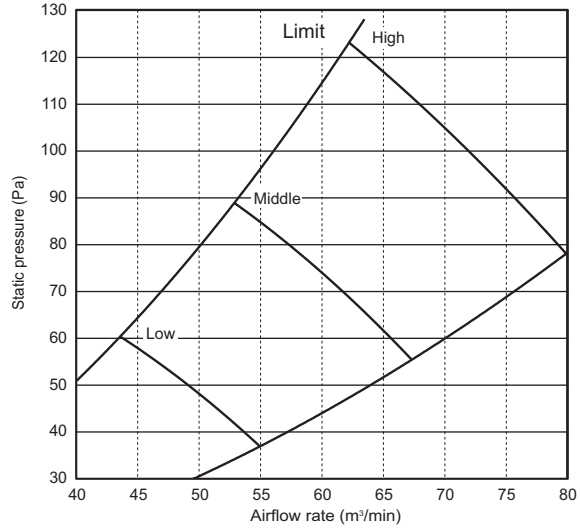
## PEFY-P200VMHS-E

External static pressure : 50Pa  
Power source : 220,230,240V, 50/60Hz



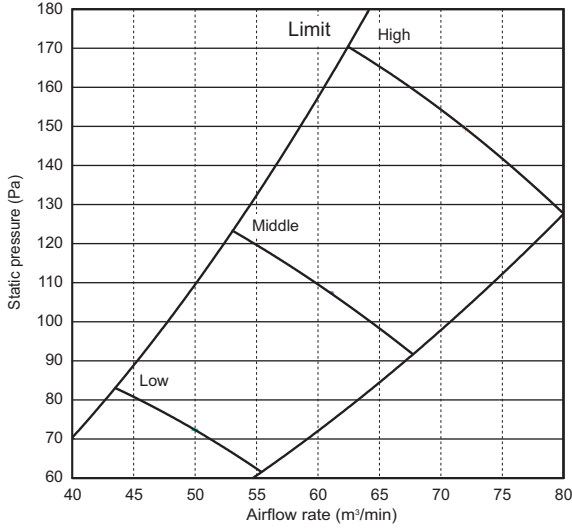
## PEFY-P200VMHS-E

External static pressure : 100Pa  
Power source : 220,230,240V, 50/60Hz



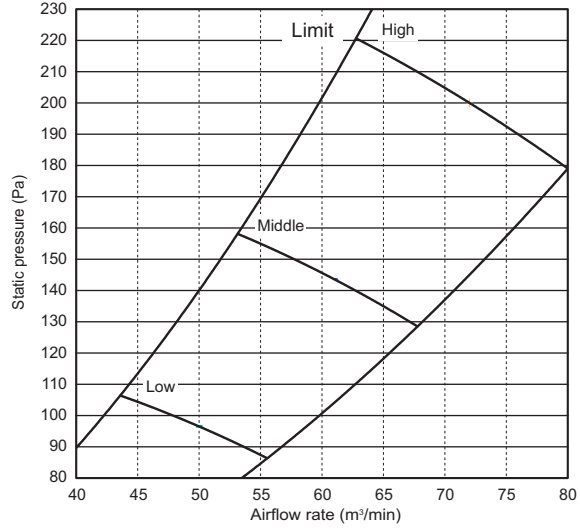
## PEFY-P200VMHS-E

External static pressure : 150Pa  
Power source : 220,230,240V, 50/60Hz



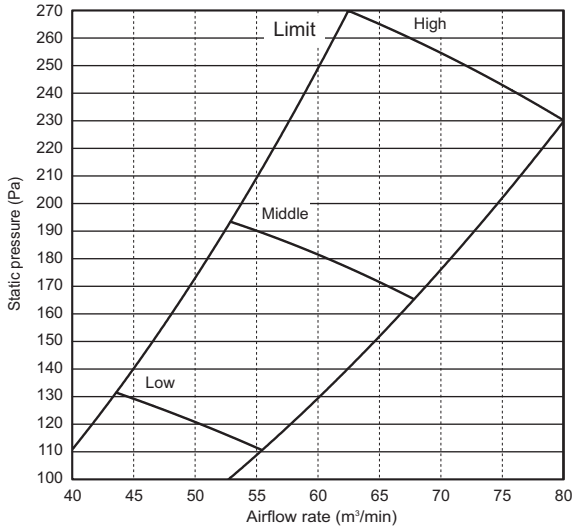
## PEFY-P200VMHS-E

External static pressure : 200Pa  
Power source : 220,230,240V, 50/60Hz



## PEFY-P200VMHS-E

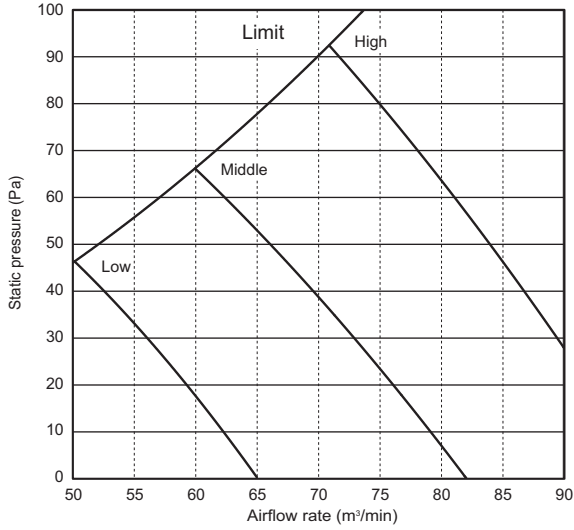
External static pressure : 250Pa  
Power source : 220,230,240V, 50/60Hz





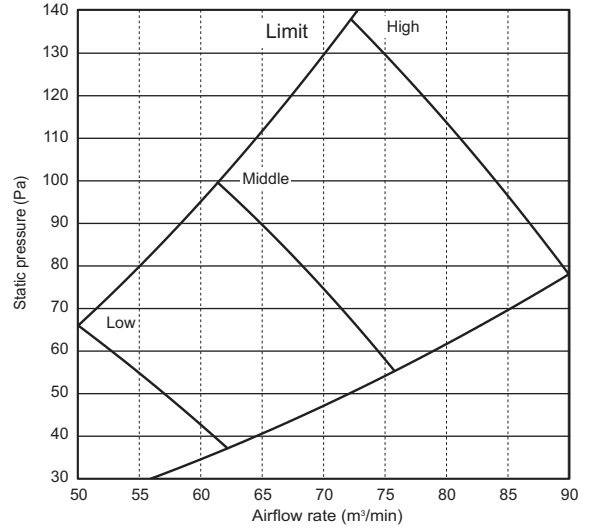
**PEFY-P250VMHS-E**

External static pressure : 50Pa  
Power source : 220,230,240V, 50/60Hz



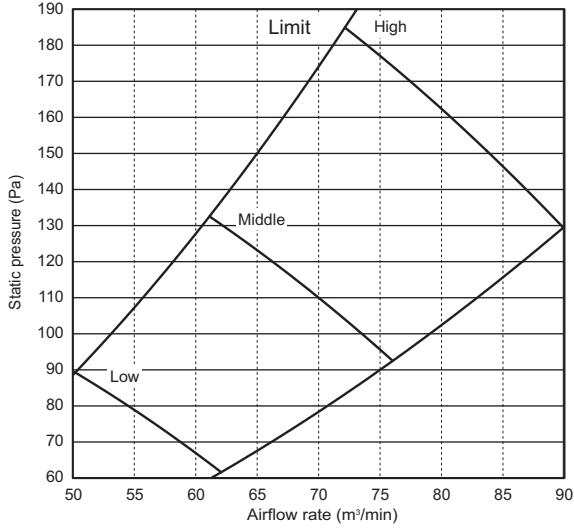
**PEFY-P250VMHS-E**

External static pressure : 100Pa  
Power source : 220,230,240V, 50/60Hz



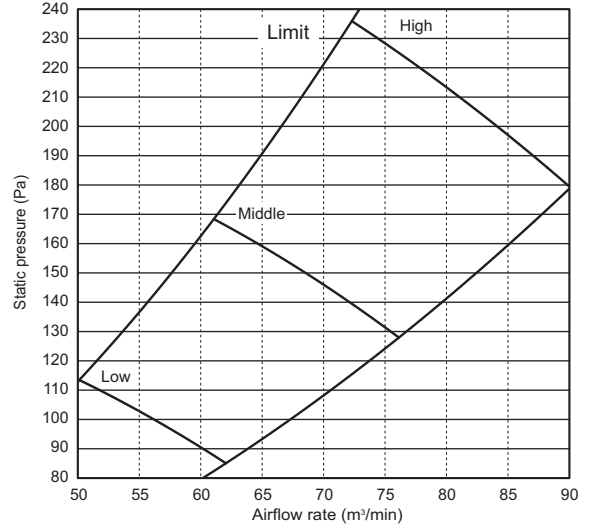
**PEFY-P250VMHS-E**

External static pressure : 150Pa  
Power source : 220,230,240V, 50/60Hz



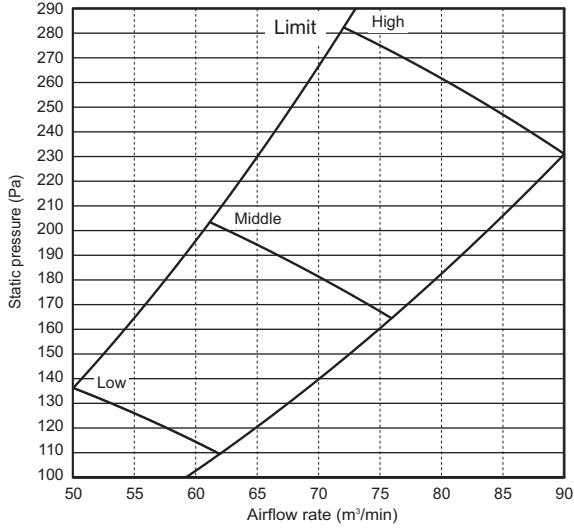
**PEFY-P250VMHS-E**

External static pressure : 200Pa  
Power source : 220,230,240V, 50/60Hz



**PEFY-P250VMHS-E**

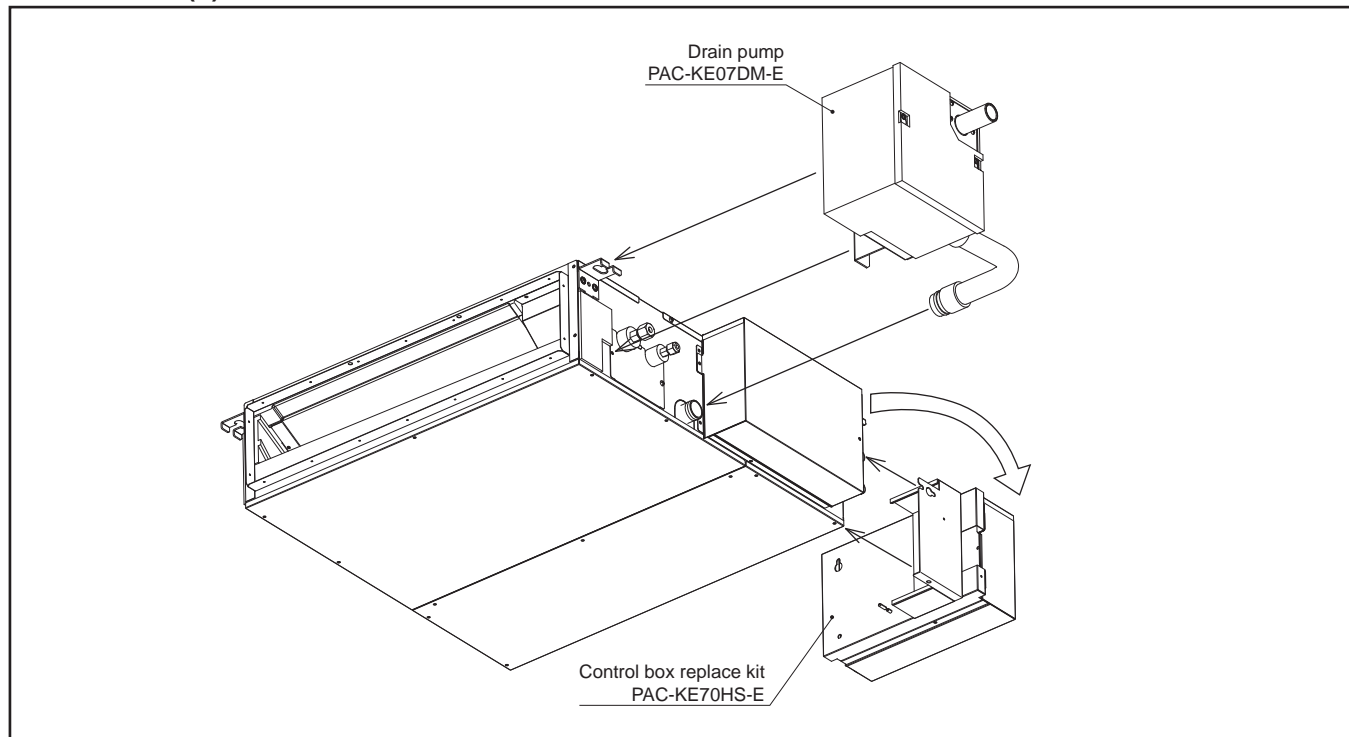
External static pressure : 250Pa  
Power source : 220,230,240V, 50/60Hz



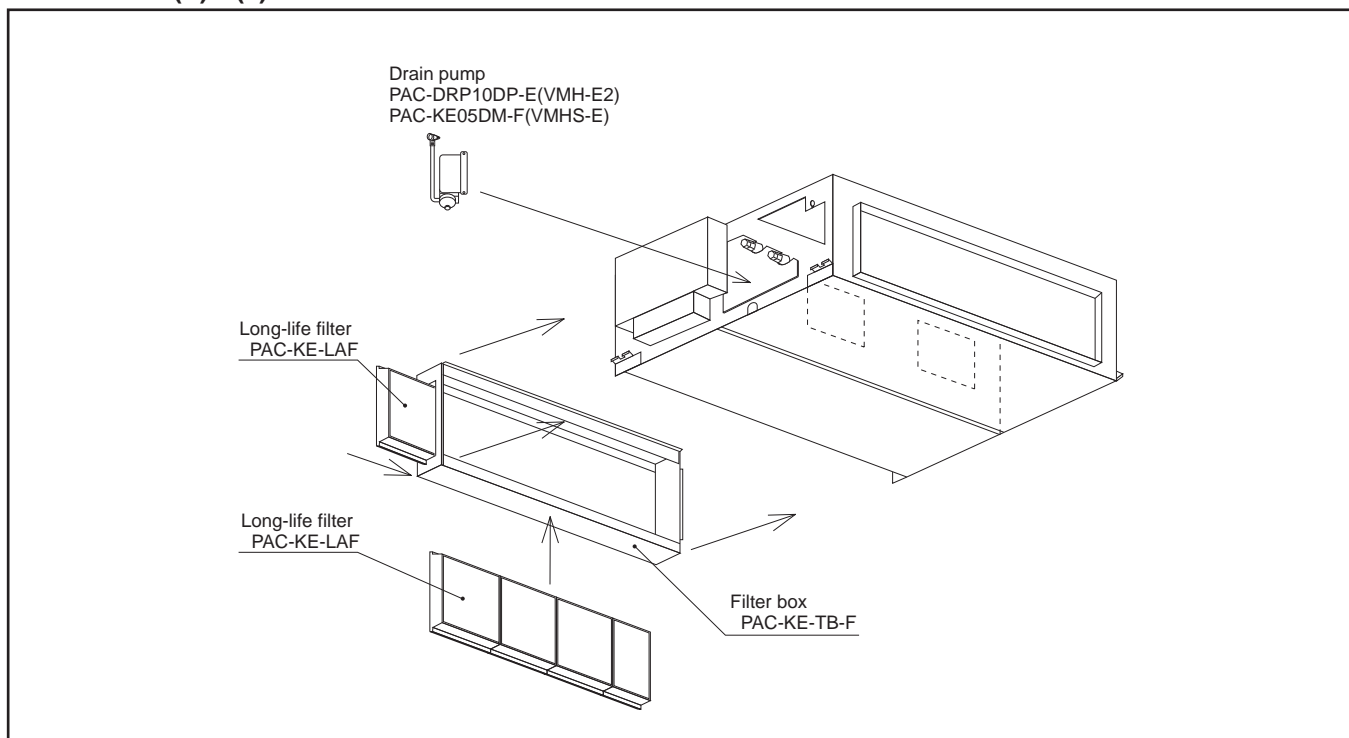
7-1. Optional parts line up for the Indoor unit

	Drain pump	Control box replace kit		
PEFY-P15,20,25,32,40,50,63VMS1-E	-	PAC-KE70HS-E		
PEFY-P15,20,25,32,40,50,63VMS1L-E	PAC-KE07DM-E	PAC-KE70HS-E		
	Long-life filter	Filter box	Drain pump	
PEFY-P40,50,63VMH-E2	PAC-KE86LAF	PAC-KE63TB-F	PAC-DRP10DP-E	
PEFY-P71,80VMH-E2	PAC-KE88LAF	PAC-KE99TB	PAC-DRP10DP-E	
PEFY-P100,125,140VMH-E2	PAC-KE89LAF	PAC-KE140TB-F	PAC-DRP10DP-E	
PEFY-P200,250VMH-E	PAC-KE85LAF	PAC-KE250TB-F	PAC-KE04DM-F	
PEFY-P200,250VMHS-E	PAC-KE85LAF	PAC-KE250TB-F	PAC-KE05DM-F	

PEFY-P-VMS1(L)-E



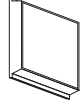
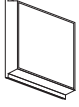
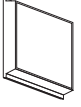
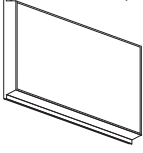
PEFY-P-VMH(S)-E(2)



7-2. Long-life filter


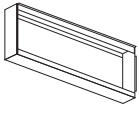
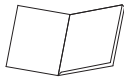
Life span: 2,500 hr (Dust concentration 0.15mg/m<sup>3</sup>)  
 \* The actual dust situation affects the filter life span, which should be considered at the applying site.  
 Material: Synthetic fiber unwoven cloth filter  
 Static pressure loss is referred to 6 "FAN CHARACTERISTICS CURVES".  
 Long-life filter should be used together with filter box PAC-KE-TB-F.

**PAC-KE-LAF**

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

Detailed installation information should be referred to its Installation Manual.

**PAC-KE-TB-F**

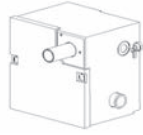




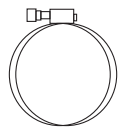


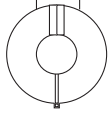
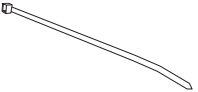


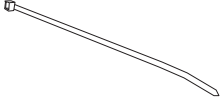
Item	① Screw	② Filter box	③ Installation manual	
Quantity	10/12*	1	1	
Shape				*PAC-KE250TB has 12 pieces of screw.

Detailed installation information should be referred to its Installation Manual.

7-3. Drain pump

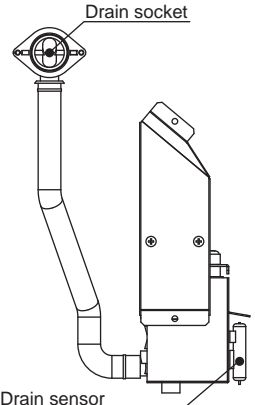


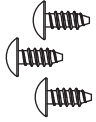
Drain pump is an optional part for VMS1L, and a standard for VMS1. When using drain pump, PAC-KE07DM-E (mounting type) is required.

PAC-KE07DM-E

Item	① Drain pump	② Attachment	③ Drain hose 1 (385mm)	④ Pipe cover 1 (255mm)	⑤ Pipe cover 2 (200mm)
Quantity	1	1	1	1	1
Shape					
Item	⑥ Hose band	⑦ Screw	⑧ Clamp	⑨ Ferrite clamp	⑩ Band 1 (100mm)
Quantity	1	3	3	1	2
Shape					
Item	⑪ Drain hose 2 (175mm)	⑫ Pipe cover 3	⑬ Band 2 (380mm)		
Quantity	1	1	6		
Shape					

If drain water can not flow out the Indoor unit by gravity and gradient, a Drain-pump for draining is needed. Drain pump PAC-DRP10DP-E can pump water up to 550mm [21-11/16 in.] high from the drain pan.

PAC-DRP10DP-E

Item	① Drain pump ass'y	② Rubber plug	③ Band	④ PTT screw 4X10
Quantity	1	1	2	2+1 (spare)
Shape				

Detailed installation information should be referred to its Installation Manual.

If drain water can not flow out the Indoor unit by gravity and gradient, a Drain-pump for draining is needed.  
 Drain pump PAC-KE04DM-F can pump water up to 550mm [21-11/16 in.] high from the drain pan.

**PAC-KE04DM-F**

Item	① Drain pump ass'y	② Separator	③ Rubber plug	④ Connector	⑤ Dummy connector
Quantity	1	1	2	1	1
Shape					
Item	⑥ Rubber bushing	⑦ Band	⑧ PTT screw 4X10	⑨ Fixing plate	⑩ Installation manual
Quantity	1	2	6+1 (spare)	1	1
Shape					

Detailed installation information should be referred to its Installation Manual.

If drain water can not flow out the Indoor unit by gravity and gradient, a Drain-pump for draining is needed.  
 Drain pump PAC-KE05DM-F can pump water up to 700mm [27-9/16 in.] high from the drain pan.

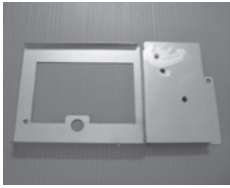
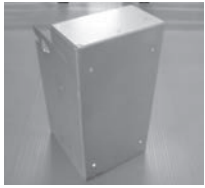










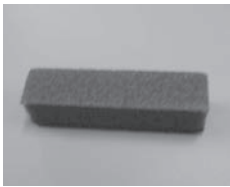







**PAC-KE05DM-F**

Item	① Drain pump ass'y	② Rubber plug	③ Rubber bushing	④ Band	⑤ PTT screw 4X10
Quantity	1	2	1	2	6+1 (spare)
Shape					
Item	⑥ Installation manual				
Quantity	1				
Shape					

Detailed installation information should be referred to its Installation Manual.

7-4. Control box replace kit

PAC-KE70HS-E

Parts	① PLATE A	② PLATE B	③ PLATE C	④ COVER A
Q'ty	1	1	1	1
Shape				
Parts	⑤ COVER B	⑥ LEAD WIRE MOTOR	⑦ LEAD WIRE LEV	⑧ LEAD WIRE THM A
Q'ty	1	1	1	1
Shape		 White 7-pin connector	 White 6-pin connector	 White 4-pin connector
Parts	⑨ LEAD WIRE THM B	⑩ LEAD WIRE EARTH	⑪ LEAD WIRE PUMP	⑫ LEAD WIRE FS
Q'ty	1	1	1	1
Shape	 Red 2-pin connector	 Ring terminal on both ends	 Blue 3-pin connector	 White 4-pin connector
Parts	⑬ INSULATOR	⑭ Connecting terminals	⑮ BAND	⑯ CLAMP
Q'ty	3	4	6	4
Shape				
Parts	⑰ SCREW 1	⑱ SCREW 2	⑲ SCREW 3	⑳ FERRITE CORE
Q'ty	2	4	5	1
Shape	 4X10	 4X10 with a washer	 5X10 with a washer	

When installing the control box replace kit on the air inlet on the unit, ⑫ LEAD WIRE FS is not used.