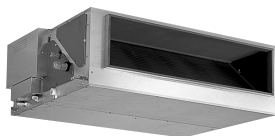


PEFY-P-VMS1(L)-E



PEFY-P-VMH-E

PEFY-P-VMS1(L)-E PEFY-P-VMH-E

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Ceiling concealed	P15	P20	P25	P32	P40	P50	P63	P71	P80	P100	P125	P140	P200	P250
	0.6HP	0.8HP	1.0HP	1.3HP	1.6HP	2.0HP	2.5HP	2.8HP	3.2HP	4.0HP	5.0HP	5.6HP	8.0HP	10.0HP
PEFY-P-VMS1(L)-E	●	●	●	●	●	●	●							
PEFY-P-VMH-E									●	●	●	●		

1. SPECIFICATIONS

R410A Data G4

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
		kcal / h	1,450	1,900	2,400	3,100
		Btu / h	5,800	7,500	9,600	12,300
	※2	kcal / h	1,500	2,000	2,500	3,150
		Power input	kW	0.05<0.03>	0.05<0.03>	0.06<0.04>
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
		kcal / h	1,600	2,200	2,800	3,400
		Btu / h	6,500	8,500	10,900	13,600
	Power input	kW	0.03<0.03>	0.03<0.03>	0.04<0.04>	0.05<0.05>
		Current input	A	0.31<0.31>	0.36<0.36>	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 27-9/16" x 27-9/16"	7-7/8" x 27-9/16" x 27-9/16"	7-7/8" x 27-9/16" x 27-9/16"	7-7/8" x 27-9/16" x 27-9/16"
Net weight	kg (lb)		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 static press.	Pa	5 - 15 - 35 - 50 (220V)	5 - 15 - 35 - 50 (220V)	5 - 15 - 35 - 50 (220V)	5 - 15 - 35 - 50 (220V)
		mmH ₂ 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 (230,240V)	5 - 15 - 35 - 50 (230,240V)	5 - 15 - 35 - 50 (230,240V)	5 - 15 - 35 - 50 (230,240V)
		mmH ₂ 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 brushless motor			
	Motor output	kW	0.096	0.096	0.096	0.096
	Driving mechanism		Direct-driven			
	Airflow rate (Low-Mid-High)	m ³ / 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
Noise level (Low-Mid-High) (measured in anechoic room)		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, R407C, R22 CITY MULTI			
Diameter of refrigerant pipe	Liquid (R410A) (R22, R407C)	mm (in.)	ø6.35 (ø1/4") Braze ø6.35 (ø1/4") Braze	ø6.35 (ø1/4") Braze ø6.35 (ø1/4") Braze	ø6.35 (ø1/4") Braze ø6.35 (ø1/4") Braze	ø6.35 (ø1/4") Braze ø6.35 (ø1/4") Braze
	Gas (R410A) (R22, R407C)	mm (in.)	ø12.7 (ø1/2") Braze ø12.7 (ø1/2") Braze	ø12.7 (ø1/2") Braze ø12.7 (ø1/2") Braze	ø12.7 (ø1/2") Braze ø12.7 (ø1/2") Braze	ø12.7 (ø1/2") Braze ø12.7 (ø1/2") Braze
		mm (in.)	ø12.7 (ø1/2") Braze	ø12.7 (ø1/2") Braze	ø12.7 (ø1/2") Braze	ø12.7 (ø1/2") Braze
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>
Installation			Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual.			

Note :			Unit converter		
*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)	kcal/h	=	kW x 860
Outdoor : 35°CDB (95°FDB)	35°CDB (95°FDB)	7°CDB/6°CWB (45°FDB/43°FWB)	Btu/h	=	kW x 3,412
Pipe length : 7.5 m (24-9/16 ft)	5 m (16-3/8 ft)	7.5 m (24-9/16 ft)	cfm	=	m ³ /min x 35.31
Level difference : 0 m (0 ft)	0 m (0 ft)	0 m (0 ft)	lb	=	kg / 0.4536
* Nominal conditions *1, *3 are subject to JIS B8615-1.			* The external static pressure is set to 15 Pa at factory shipment.		
* Due to continuing improvement, above specification may be subject to change without notice.			* < > is in case of PEFY-P-VMS1L-E model.		
			* Above specification data is subject to rounding variation.		

Ref.: Spec_PEFY-P-VMS-E_1

1. SPECIFICATIONS

R410A Data G4

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	
	Power input		kW	0.07<0.05>	0.09<0.07>	0.09<0.07>
	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	
	Power input		kW	0.05<0.05>	0.07<0.07>	0.07<0.07>
	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 35-7/16" x 27-9/16"	7-7/8" x 35-7/16" x 27-9/16"	7-7/8" x 43-5/16" x 27-9/16"	
Net weight		kg (lb)	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 static press.	Pa	5 - 15 - 35 - 50 (220V)	5 - 15 - 35 - 50 (220V)	5 - 15 - 35 - 50 (220V)	
		mmH ₂ 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 (230, 240V)	5 - 15 - 35 - 50 (230, 240V)	5 - 15 - 35 - 50 (230, 240V)	
		mmH ₂ 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 brushless motor			
	Motor output		kW	0.096	0.096	0.096
	Driving mechanism		Direct-driven			
	Airflow rate (Low-Mid-High)	m ³ / 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		
Noise level (Low-Mid-High) (measured in anechoic room)		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, R407C, R22 CITY MULTI			
Diameter of refrigerant pipe	Liquid (R410A) (R22, R407C)	mm (in.)	ø6.35 (ø1/4") Brazed ø6.35 (ø1/4") Brazed	ø6.35 (ø1/4") Brazed ø9.52 (ø3/8") Brazed	ø9.52 (ø3/8") Brazed ø9.52 (ø3/8") Brazed	
	Gas (R410A) (R22, R407C)	mm (in.)	ø12.7 (ø1/2") Brazed ø12.7 (ø1/2") Brazed	ø12.7 (ø1/2") Brazed ø15.88 (ø5/8") Brazed	ø15.88 (ø5/8") 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>	
Installation		Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual.				

Note :		*1 Nominal cooling conditions	*2 Nominal cooling conditions	*3 Nominal heating conditions	Unit converter
Indoor :	27°CDB/19°CWB (81°FDB/66°FWB)	27°CDB/19.5°CWB (81°FDB/67°FWB)	20°CDB (68°FDB)		kcal/h = kW x 860
Outdoor :	35°CDB (95°FDB)	35°CDB (95°FDB)	7°CDB/6°CWB (45°FDB/43°FWB)		Btu/h = kW x 3,412
Pipe length :	7.5 m (24-9/16 ft)	5 m (16-3/8 ft)	7.5 m (24-9/16 ft)		cfm = m ³ /min x 35.31
Level difference :	0 m (0 ft)	0 m (0 ft)	0 m (0 ft)		lb = kg / 0.4536
* Nominal conditions *1, *3 are subject to JIS B8615-1.		* The external static pressure is set to 15 Pa at factory shipment.		*Above specification data is subject to rounding variation.	
* Due to continuing improvement, above specification may be subject to change without notice.		* < > is in case of PEFY-P-VMS1L-E model.			

Ref.: Spec_PEFY-P-VMS-E_1

1. SPECIFICATIONS

R410A Data G4

Model			PEFY-P80VMH-E	PEFY-P100VMH-E	PEFY-P125VMH-E	PEFY-P140VMH-E	
Power source			1-phase 220-240V 50Hz/60Hz				
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	kcal / h	8,000	10,000	12,500	14,000	
	Power input		0.32 / 0.40	0.48 / 0.58	0.48 / 0.58	0.48 / 0.59	
	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	
	Power input		0.32 / 0.40	0.48 / 0.58	0.48 / 0.58	0.48 / 0.59	
	Current input		A	1.47 / 1.83	2.34 / 2.66	2.34 / 2.66	2.35 / 2.70
	External finish			Galvanized			
External dimension H x W x D		mm	380 x 1,000 x 900	380 x 1,200 x 900	380 x 1,200 x 900	380 x 1,200 x 900	
		in.	15" x 39-3/8" x 35-7/16"	15" x 47-1/4" x 35-7/16"	15" x 47-1/4" x 35-7/16"	15" x 47-1/4" x 35-7/16"	
Net weight		kg (lb)	50 (111)	70 (155)	70 (155)	70 (155)	
Heat exchanger			Cross fin (Aluminum fin and copper tube)				
FAN	Type x Quantity		Sirocco fan x 1	Sirocco fan x 2	Sirocco fan x 2	Sirocco fan x 2	
	External static press.	Pa	50 - 100 - 200 (220V)	50 - 100 - 200 (220V)	50 - 100 - 200 (220V)	50 - 100 - 200 (220V)	
		mmH ₂ 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 (230, 240V)	100 - 150 - 200 (230, 240V)	100 - 150 - 200 (230, 240V)	100 - 150 - 200 (230, 240V)	
		mmH ₂ 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				
	Motor output	kW	0.180	0.260	0.260	0.260	
	Driving mechanism		Direct-driven by motor				
	Airflow rate (Low-Mid-High)	m ³ / min	18.0 - 25.0	26.5 - 38.0	26.5 - 38.0	28.0 - 40.0	
		L / s	300 - 417	442 - 633	442 - 633	467 - 667	
		cfm	636 - 883	936 - 1,342	936 - 1,342	989 - 1,413	
Noise level (Low-Mid-High) (measured in anechoic room)		dB <A>	35 - 41 (220V)	34 - 42 (220V)	34 - 42 (220V)	34 - 42 (220V)	
		dB <A>	38 - 43 (230, 240V)	38 - 44 (230, 240V)	38 - 44 (230, 240V)	38 - 44 (230, 240V)	
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, R407C, R22 CITY MULTI				
Diameter of refrigerant pipe	Liquid (R410A) (R22, R407C)	mm (in.)	ø9.52 (ø3/8") Flare ø9.52 (ø3/8") Flare	ø9.52 (ø3/8") Flare ø9.52 (ø3/8") Flare	ø9.52 (ø3/8") Flare ø9.52 (ø3/8") Flare	ø9.52 (ø3/8") Flare ø9.52 (ø3/8") Flare	
	Gas (R410A) (R22, R407C)	mm (in.)	ø15.88 (ø5/8") Flare ø15.88 (ø5/8") Flare	ø15.88 (ø5/8") Flare ø19.05 (ø3/4") Flare	ø15.88 (ø5/8") Flare ø19.05 (ø3/4") Flare	ø15.88 (ø5/8") Flare ø19.05 (ø3/4") Flare	
	Field drain pipe size		mm (in.)	O.D. 32mm (1-1/4")			
Drawing	External		IU-W27-5924				
	Wiring		IU-W65-3956				
	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-KE88LAF	PAC-KE89LAF	PAC-KE89LAF	PAC-KE89LAF	
	Filter box		PAC-KE80TB-F	PAC-KE140TB-F	PAC-KE140TB-F	PAC-KE140TB-F	
	Drain pump		PAC-KE04DM-F	PAC-KE04DM-F	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.					
Note : *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 = m³/min x 35.31 lb = kg / 0.4536 * Nominal conditions *1, *3 are subject to JIS B8615-1. * Due to continuing improvement, above specification may be subject to change without notice. *Above specification data is subject to rounding variation.							

Ref.: Spec_PEFY-P-VMH-E_2

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

Drw. : IU-KB94-G728

[illegible]

Note1. Use M10 screw for the Suspension bolt (field supply).

Keep the service space for the maintenance at the bottom.

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.
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

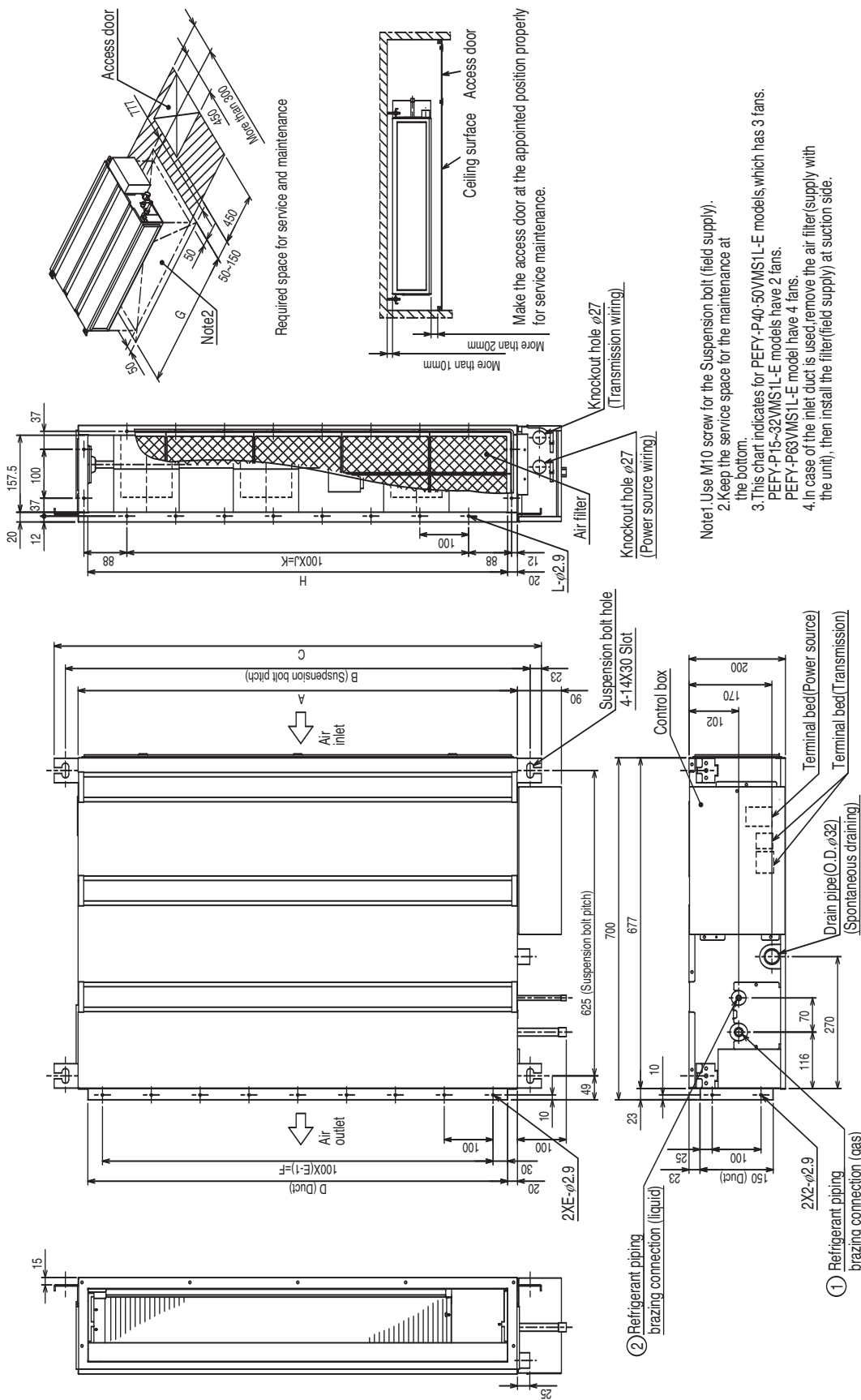
Model		A	B	C	D	E	F	G	H	J	K	L	Gas pipe	Liquid pipe
PEFY-P15,20,25,32VMS1-E		700	752	798	660	7	600	800	660	5	500	16	ø12.7	ø6.35
	PEFY-P40VMS1-E													
	PEFY-P50VMS1-E	900	952	998	860	9	800	1000	860	7	700	20		
PEFY-P63VMS1-E	1100	1152	1198	1060	11	1000	1200	1060	9	900	24		ø15.88	ø9.52

A
B
C
D
E
F
G
H
V _A
V _B
BC
CT

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

Drw. : IU-KB94-G731

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 PEFF-P40-50VMS1L-E models, which has 3 fans.

PEFF-P15-32VMS1L-E models have 2 fans.
PEFF-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	Gas pipe	Liquid pipe	
	PEFY-P15.20.25.32VMS1L-E	700	752	798	660	7	600	800	660	5	500	16	ø12.7	ø6.35	
	PEFY-P40VMS1L-E														
		900	952	998	860	9	800	1000	860	7	700	20			
	PEFY-P50VMS1L-E														
													* ₁ * ₂	ø12.7 ø15.88	ø6.35 ø9.52
	PEFY-P63VMS1L-E	1100	1152	1198	1060	11	1000	1200	1060	9	900	24	ø15.88	ø9.52	

R410A Data G4

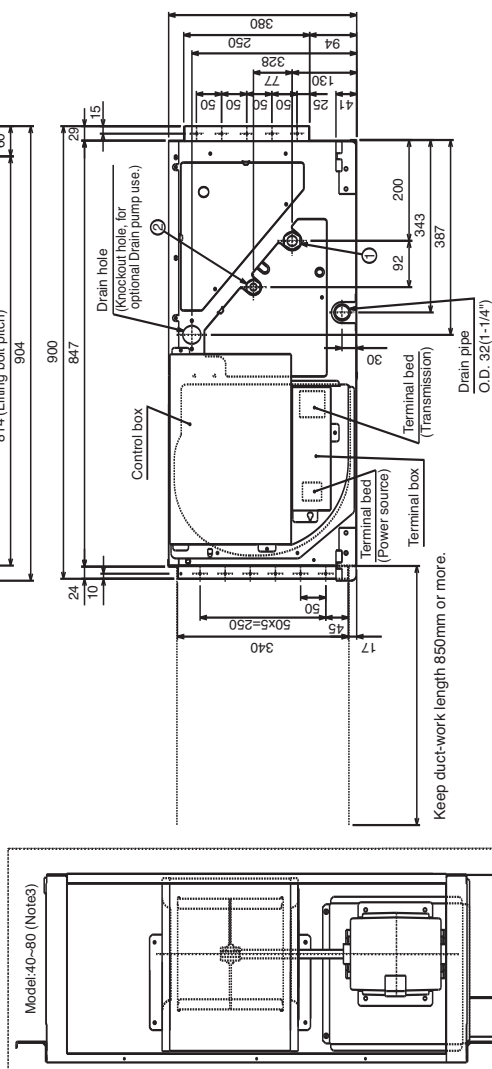
Drw. : IU-W27-5924
Unit : mm



Model	A	B	C	D	E	F	G	H	J	K	L	M	N	P(Liquid)	P(Gas)
80VW-E	1050	1004	930	850	800	25	17	800	15	700	1030	± 15.88	± 9.52	22	29
P100-125	1250	1204	1130	1050	1000	25	21	1000	19	900	1230	± 15.88	± 9.52	± 22	± 36
1-140VW-E												± 10.05	± 5.26	± 22	± 26

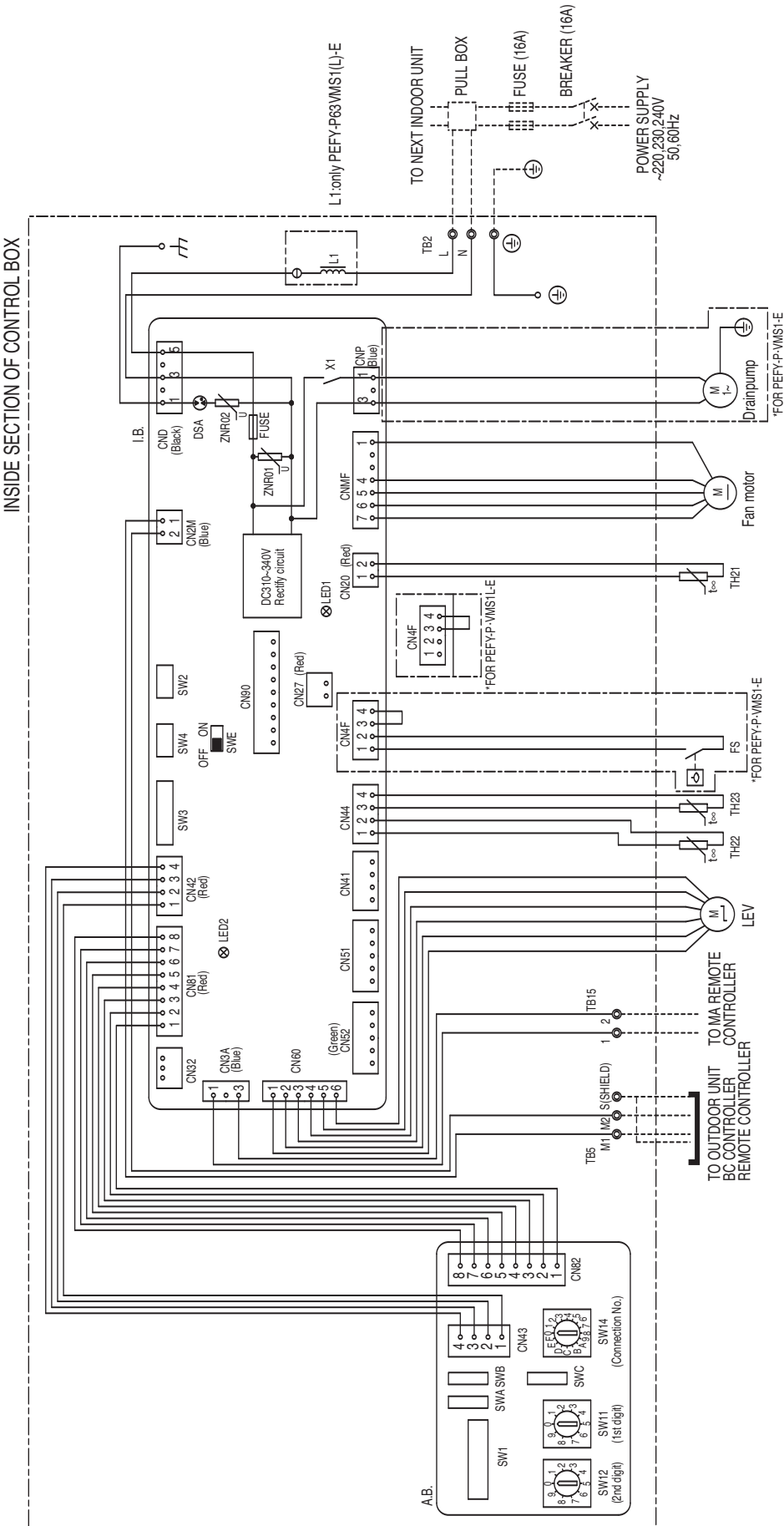
**2:R407C,R22 outdoor unit

- Note : 1. Use M10 screw for the lifting bolt (field supply).
2. Keep the service space for the maintenance from the bottom when the heat exchanger is cleaned.
3. This chart indicates for PEY-P100~125/140VME-H-E models, which have 2 lens.
PEY-P80 models has 1 fan.
4. Make sure to install the air filter (field supply) on the air intake side.
In case of field supplied air filter is used, attach it where the filter service is easily done.
5. On Model 100, 125, 140, you would use unit packed with the Indoor Unit, when connecting the Outdoor Unit for R407C, R22.
6. In order to increase the strength of the flare nut, the size of some of them has been increased.
- | | |
|---|-------|
| Refrigerant piping flare connection (gas M copper tube) | |
| Refrigerant piping flare connection (liquid N copper tube) | |
| Drain hose (ID: 32/1-1/4") <flexible joint 200mm> (accessory) | |



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

Drw. : IU-KB94-G668



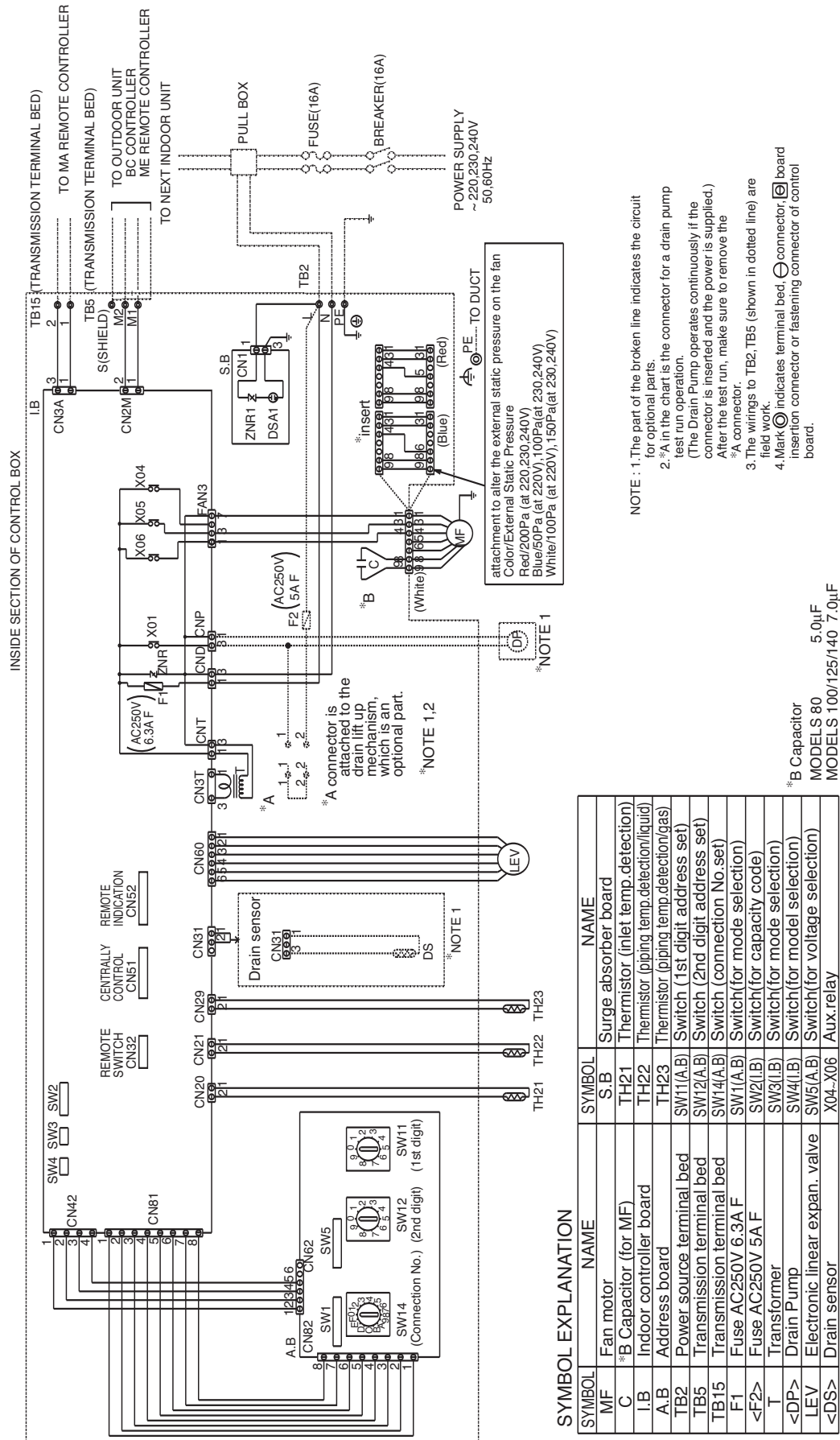
SYMBOL EXPLANATION

SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
I.B.	Indoor controller board	CN82	Connector (Remote switch)	SW4(L.B.)	Switch (for model selection)
A.B.	Address board	CN41	Connector (HA terminal-A)	SWE(L.B.)	Connector (emergency operation)
TB2	Power source terminal bed	CN61	Connector (Centrally control)	SW1(A.B.)	Switch (for mode selection)
TB5	Transmission terminal bed	CN62	Connector (Remote indication)	SW11(A.B.)	Switch (1st digit address set)
TB15	Transmission terminal bed	CN80	Connector (Wireless)	SW12(A.B.)	Switch (2nd 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(L.B.)	Switch (for capacity code)		
CN27	Connector (Damper)	SW3(L.B.)	Switch (for mode selection)		

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

PEFY-P80,100,125,140VMH-E

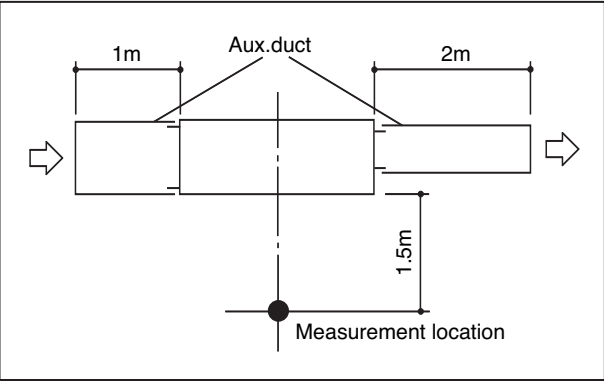
Drw. : IU-W65-3956



4. SOUND LEVELS

4-1. Sound levels

PEFY-P-VMS1(L)-E, VMH-E



* Measured in anechoic room.

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-P80VMH-E	220V	32-39	35-41	37-43
	230, 240V	37-41	38-43	39-45
PEFY-P100,125VMH-E	220V	32-40	34-42	36-46
	230, 240V	36-42	38-44	38-47

* External static pressure of PEFY-P80-140VMH-E

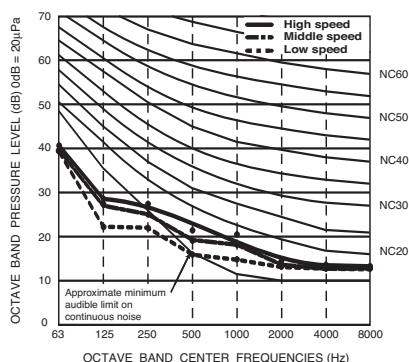
Low : 50Pa at 220V, 100Pa at 230, 240V

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

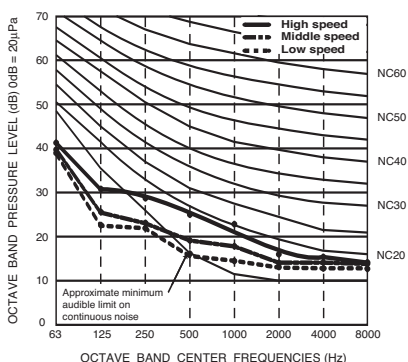
High : 200Pa at 220V, 200Pa at 230, 240V

4-2. NC curves

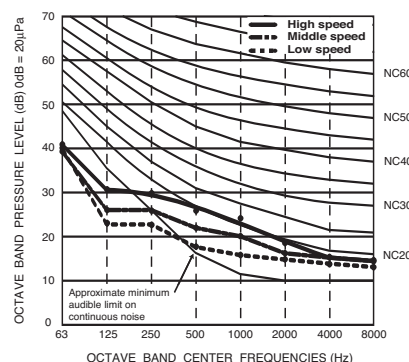
External static pressure : 5Pa
Power source : 220.230.240V, 50/60Hz



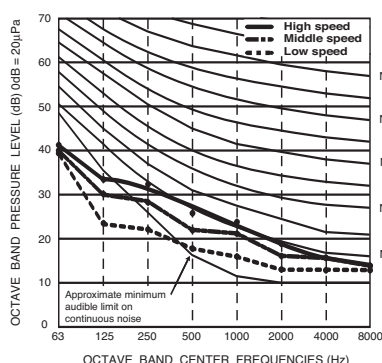
External static pressure : 15Pa
Power source : 220.230.240V, 50/60Hz



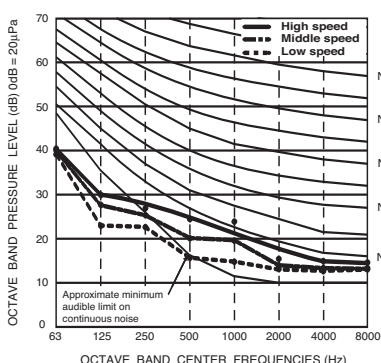
External static pressure : 35Pa
Power source : 220.230.240V. 50/60HzHz



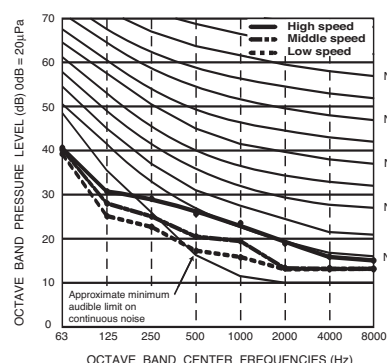
External static pressure : 50Pa
Power source : 220.230.240V, 50/60Hz



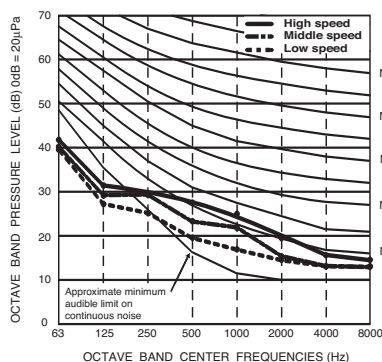
External static pressure : 5Pa
Power source : 220.230.240V, 50/60Hz



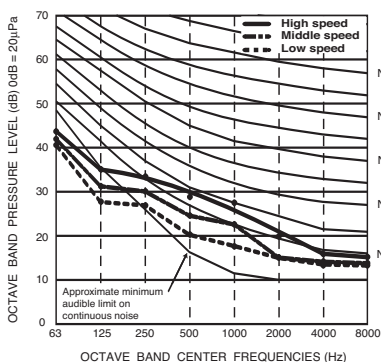
External static pressure : 15Pa
Power source : 220.230.240V, 50/60Hz



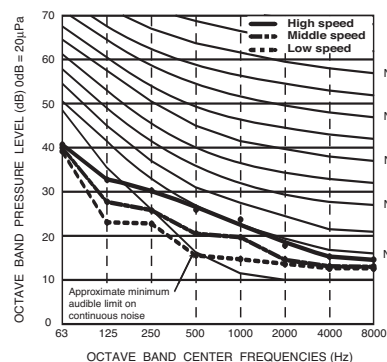
External static pressure : 35Pa
Power source : 220.230.240V, 50/60Hz



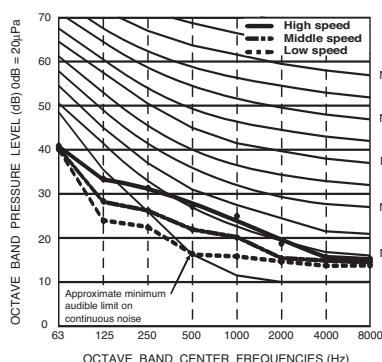
External static pressure : 50Pa
Power source : 220.230.240V, 50/60Hz



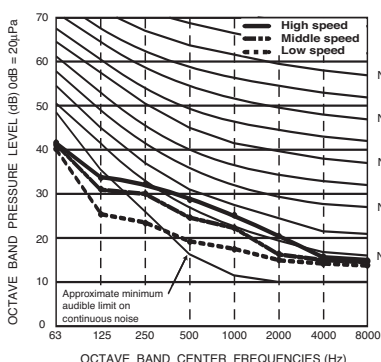
External static pressure : 5Pa
Power source : 220.230.240V, 50/60Hz



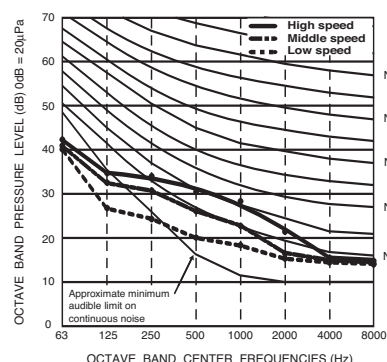
External static pressure : 15Pa
Power source : 220.230.240V, 50/60Hz



External static pressure : 35Pa
Power source : 220.230.240V, 50/60Hz



External static pressure : 50Pa
Power source : 220.230.240V, 50/60Hz



4. SOUND LEVELS

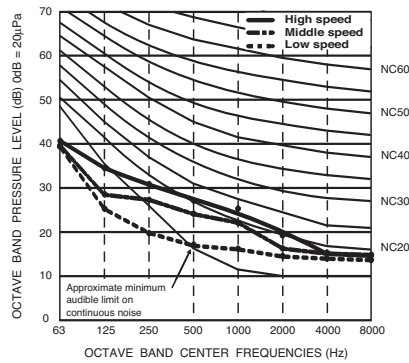
R410A Data G4

4-2. NC curves

PEFY-P32VMS1(L)-E

External static pressure : 5Pa

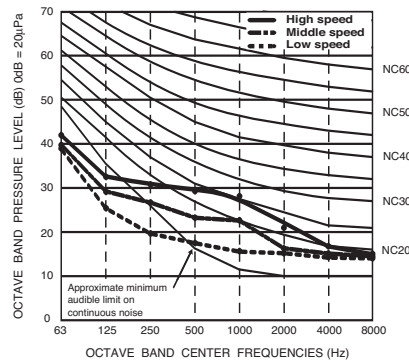
Power source : 220,230,240V, 50/60Hz



PEFY-P32VMS1(L)-E

External static pressure : 15Pa

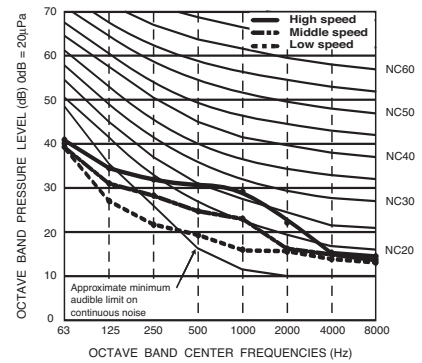
Power source : 220,230,240V, 50/60Hz



PEFY-P32VMS1(L)-E

External static pressure : 35Pa

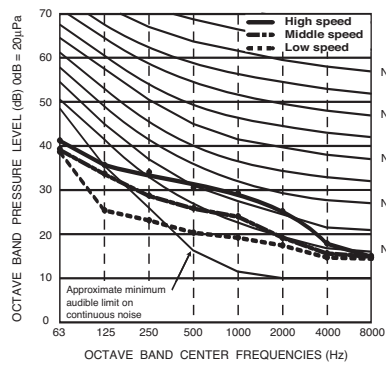
Power source : 220,230,240V, 50/60Hz



PEFY-P32VMS1(L)-E

External static pressure : 50Pa

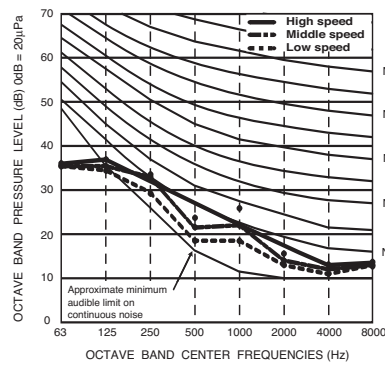
Power source : 220,230,240V, 50/60Hz



PEFY-P40VMS1(L)-E

External static pressure : 5Pa

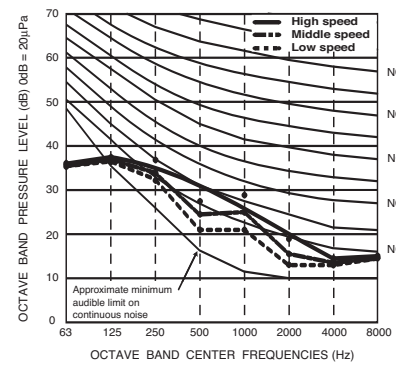
Power source : 220,230,240V, 50/60Hz



PEFY-P40VMS1(L)-E

External static pressure : 15Pa

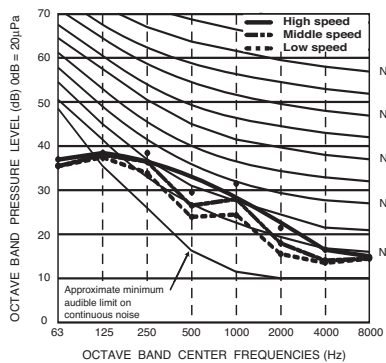
Power source : 220,230,240V, 50/60Hz



PEFY-P40VMS1(L)-E

External static pressure : 35Pa

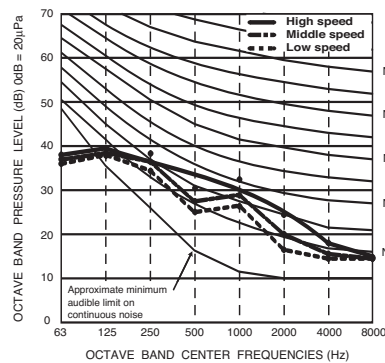
Power source : 220,230,240V, 50/60Hz



PEFY-P40VMS1(L)-E

External static pressure : 50Pa

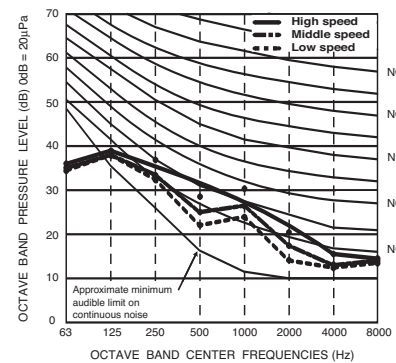
Power source : 220,230,240V, 50/60Hz



PEFY-P50VMS1(L)-E

External static pressure : 5Pa

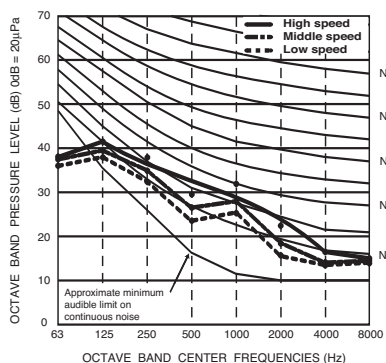
Power source : 220,230,240V, 50/60Hz



PEFY-P50VMS1(L)-E

External static pressure : 15Pa

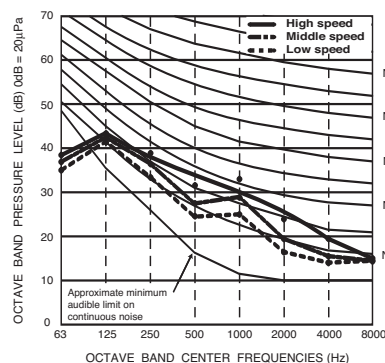
Power source : 220,230,240V, 50/60Hz



PEFY-P50VMS1(L)-E

External static pressure : 35Pa

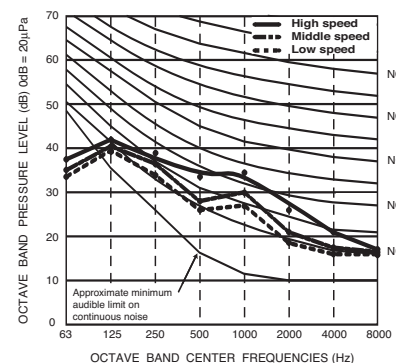
Power source : 220,230,240V, 50/60Hz



PEFY-P50VMS1(L)-E

External static pressure : 50Pa

Power source : 220,230,240V, 50/60Hz

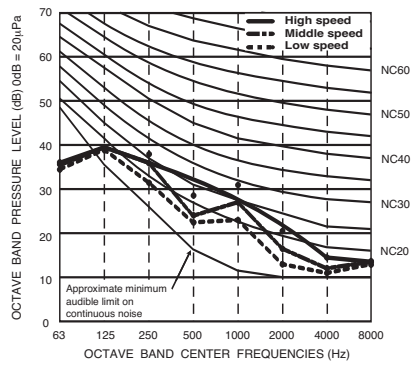


4-2. NC curves

PEFY-P63VMS1(L)-E

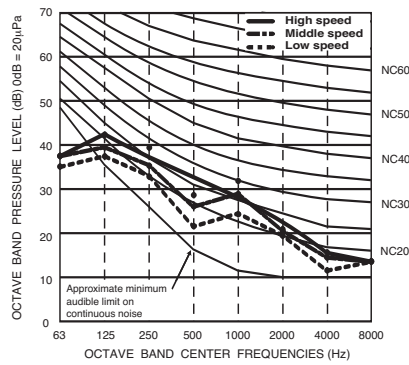
External static pressure : 5Pa

Power source : 220,230,240V, 50/60Hz

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

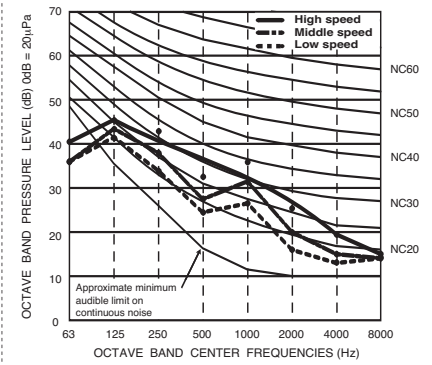
External static pressure : 15Pa

Power source : 220,230,240V, 50/60Hz

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

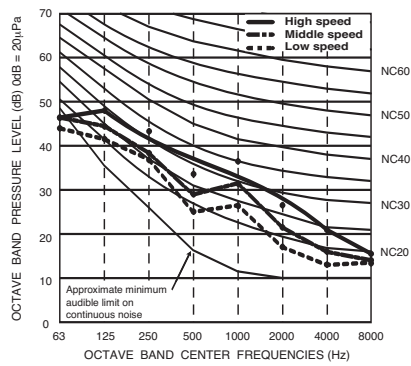
External static pressure : 35Pa

Power source : 220,230,240V, 50/60Hz

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

External static pressure : 50Pa

Power source : 220,230,240V, 50/60Hz



A

B

C

D

E

F

G

H

V_A

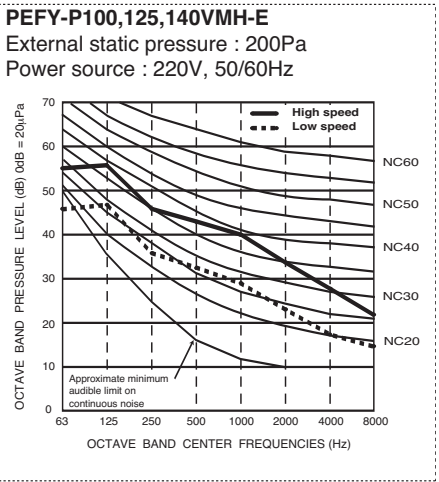
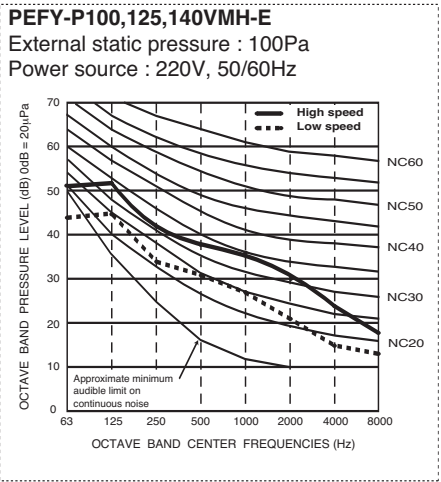
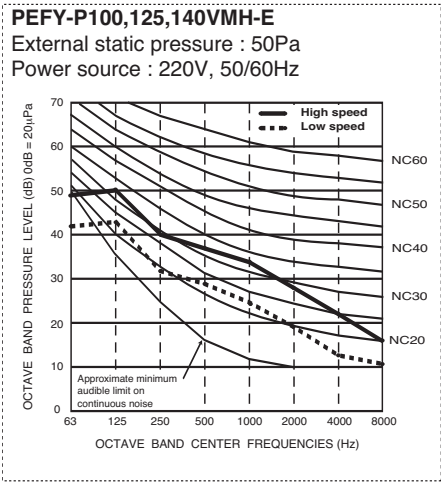
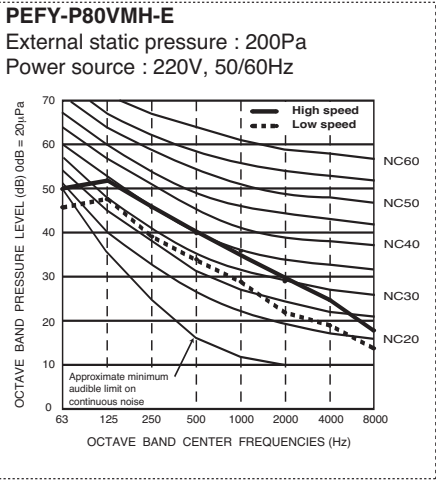
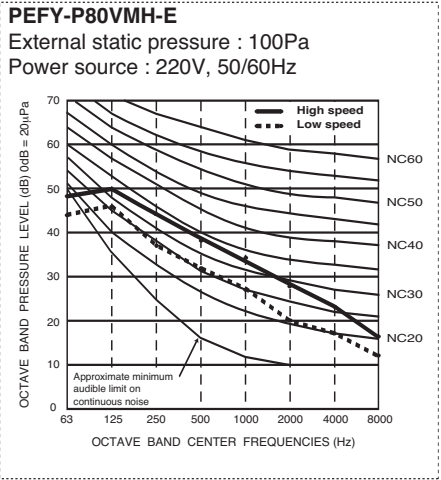
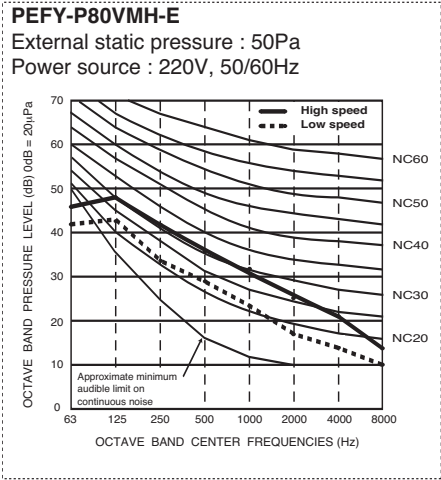
V_B

BC

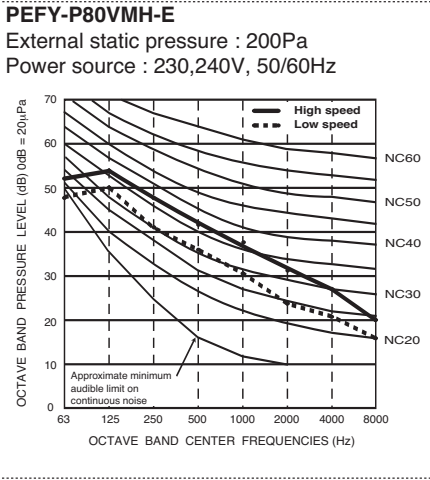
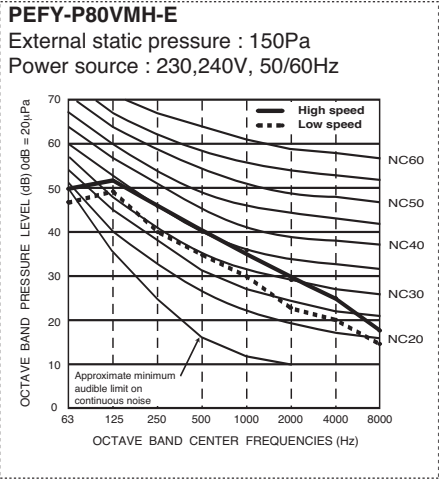
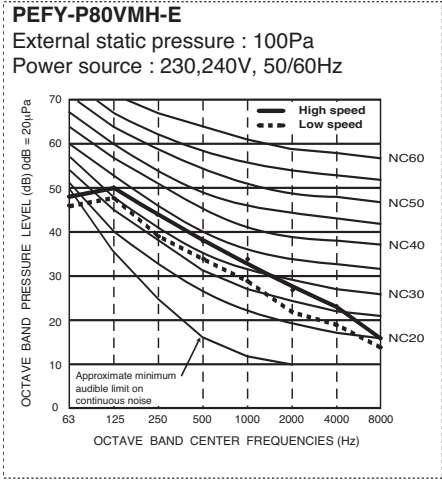
CT

4. SOUND LEVELS

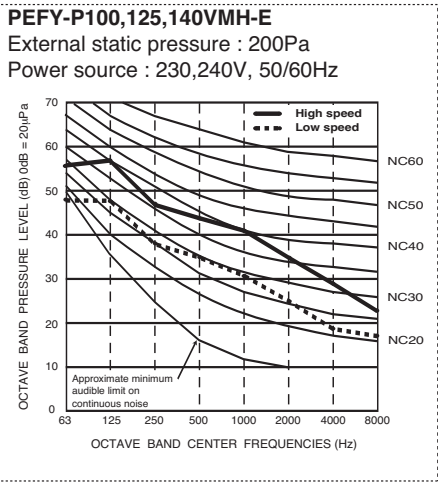
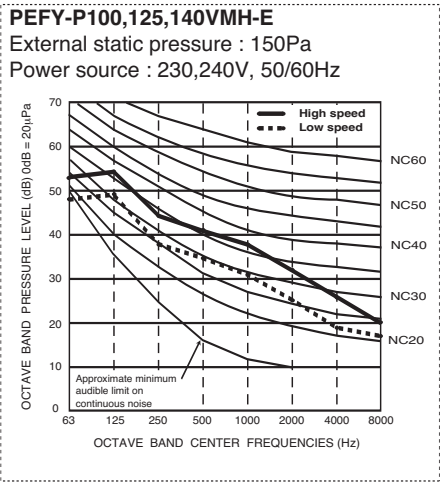
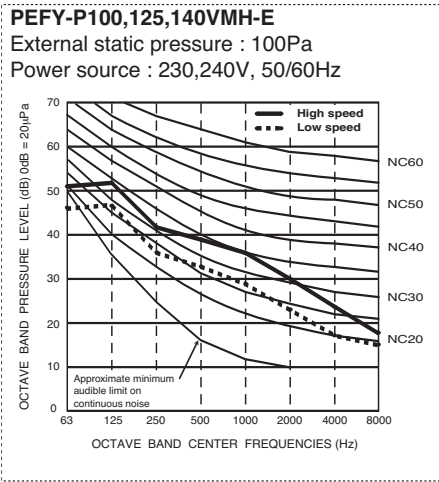
4-2. NC curves



4-2. NC curves

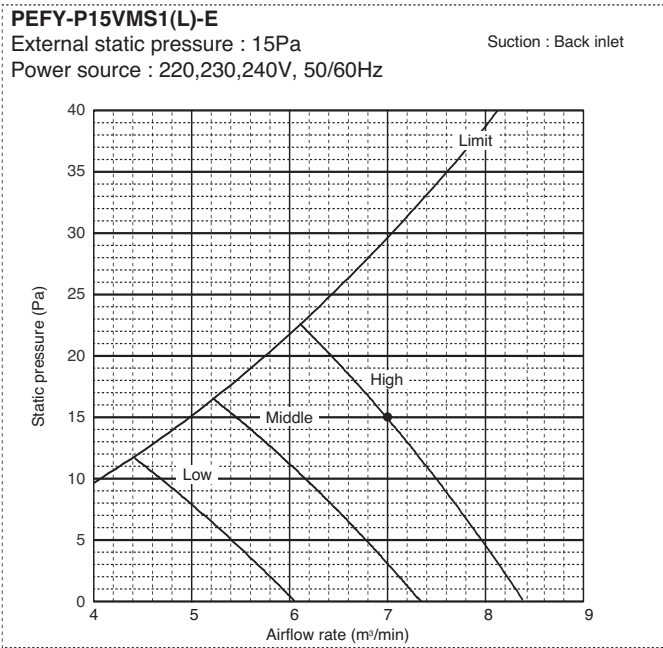
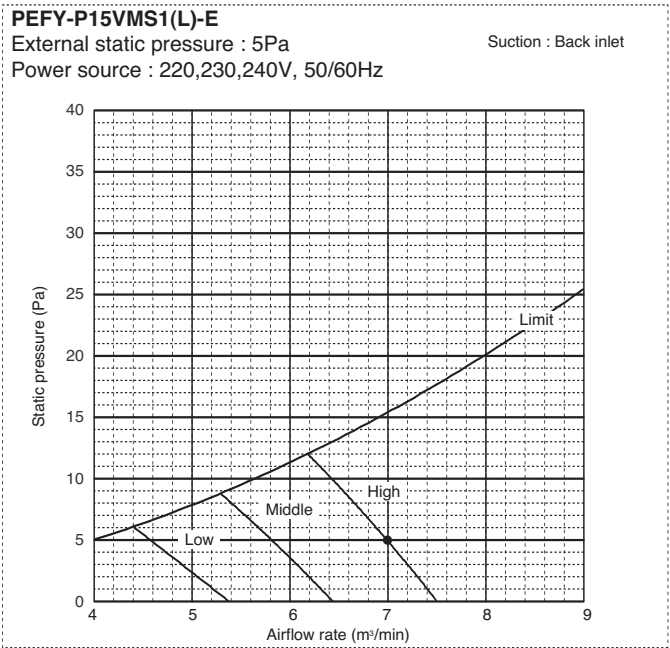


4-2. NC curves



4. SOUND LEVELS

4-3. Fan characteristics curves



4. SOUND LEVELS

R410A Data G4

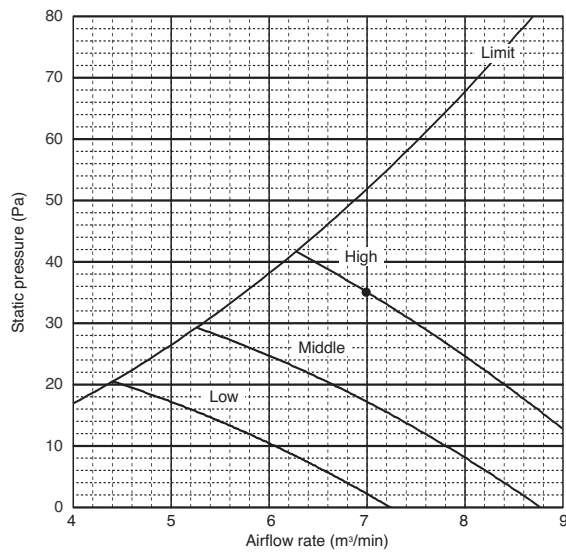
4-3. Fan characteristics curves

PEFY-P15VMS1(L)-E

External static pressure : 35Pa

Power source : 220,230,240V, 50/60Hz

Suction : Back inlet

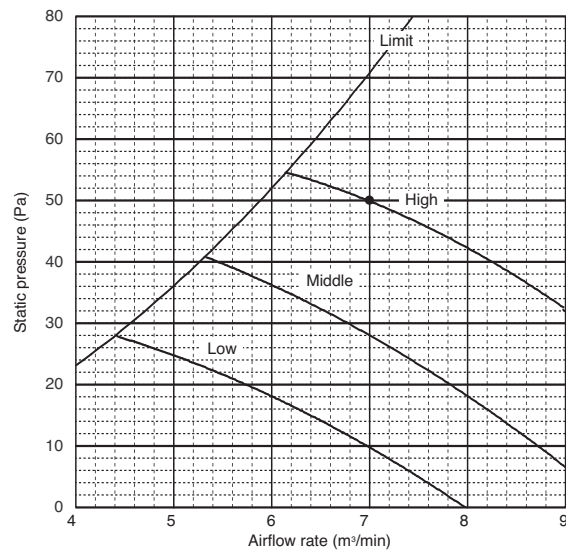


PEFY-P15VMS1(L)-E

External static pressure : 50Pa

Power source : 220,230,240V, 50/60Hz

Suction : Back inlet

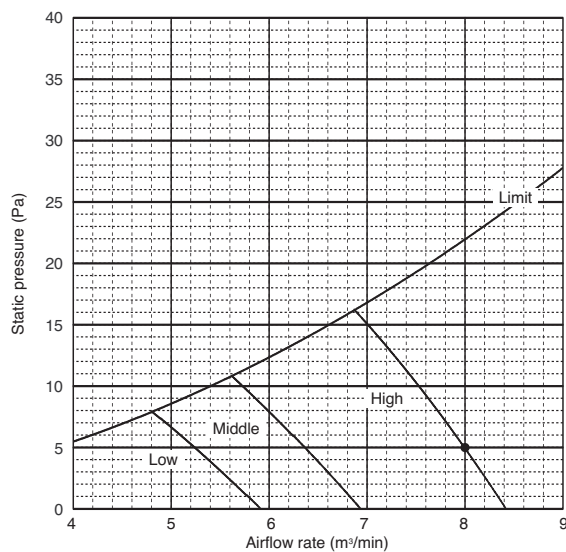


PEFY-P20VMS1(L)-E

External static pressure : 5Pa

Power source : 220,230,240V, 50/60Hz

Suction : Back inlet

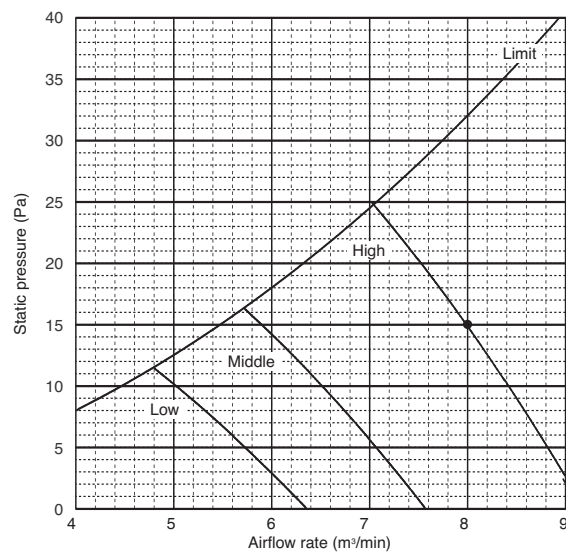


PEFY-P20VMS1(L)-E

External static pressure : 15Pa

Power source : 220,230,240V, 50/60Hz

Suction : Back inlet

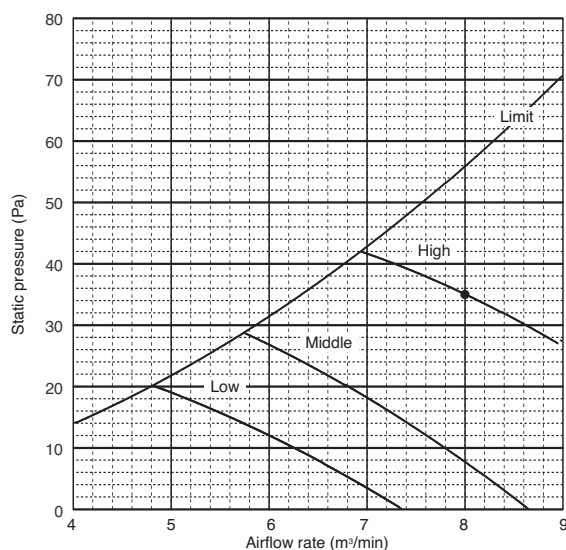


PEFY-P20VMS1(L)-E

External static pressure : 35Pa

Power source : 220,230,240V, 50/60Hz

Suction : Back inlet

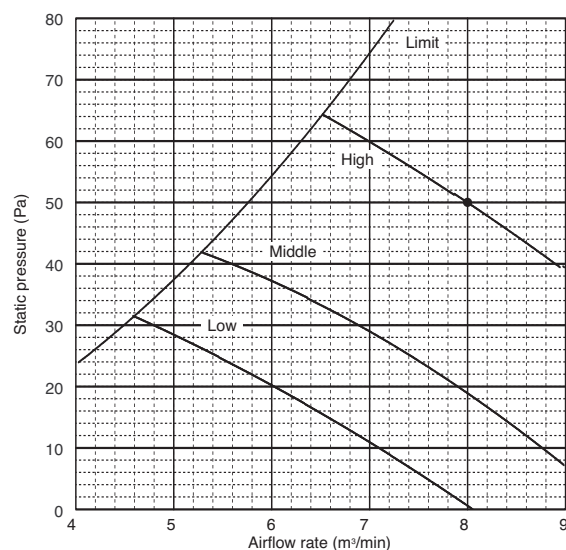


PEFY-P20VMS1(L)-E

External static pressure : 50Pa

Power source : 220,230,240V, 50/60Hz

Suction : Back inlet



4. SOUND LEVELS

R410A Data G4

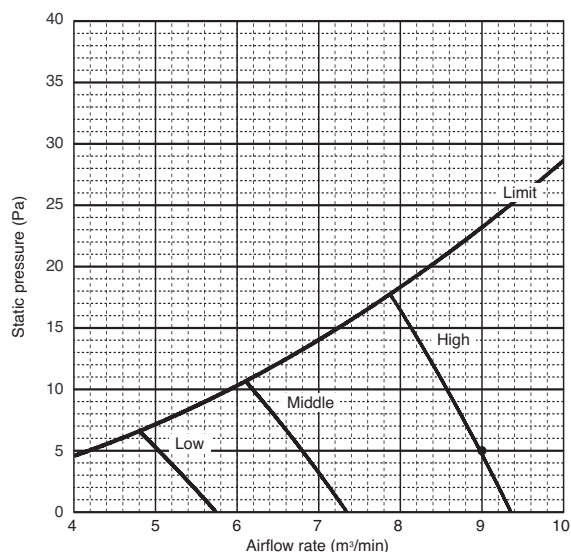
4-3. Fan characteristics curves

PEFY-P25VMS1(L)-E

External static pressure : 5Pa

Power source : 220,230,240V, 50/60Hz

Suction : Back inlet

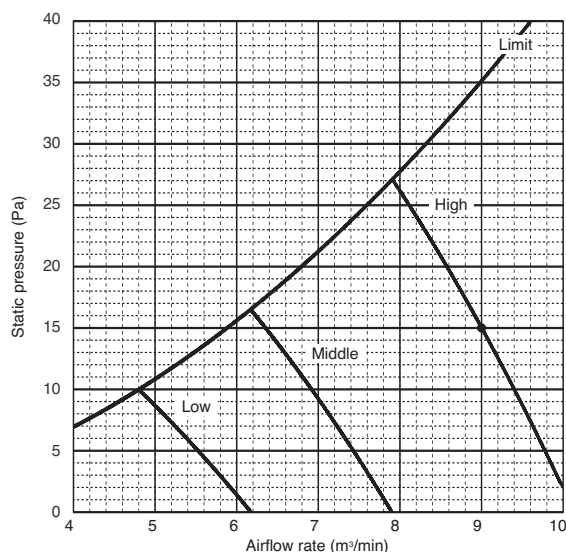


PEFY-P25VMS1(L)-E

External static pressure : 15Pa

Power source : 220,230,240V, 50/60Hz

Suction : Back inlet

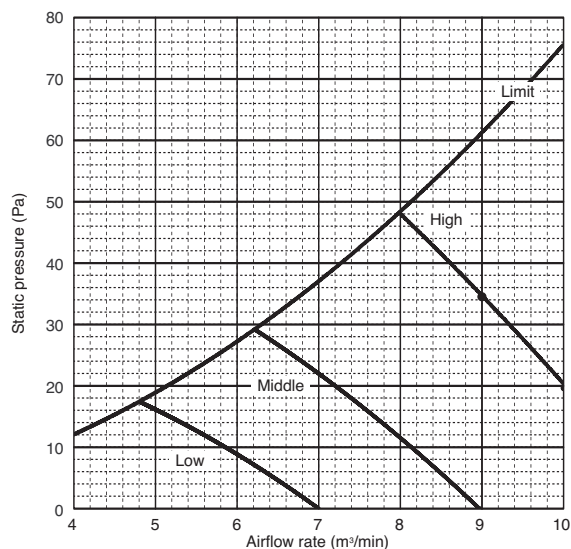


PEFY-P25VMS1(L)-E

External static pressure : 35Pa

Power source : 220,230,240V, 50/60Hz

Suction : Back inlet

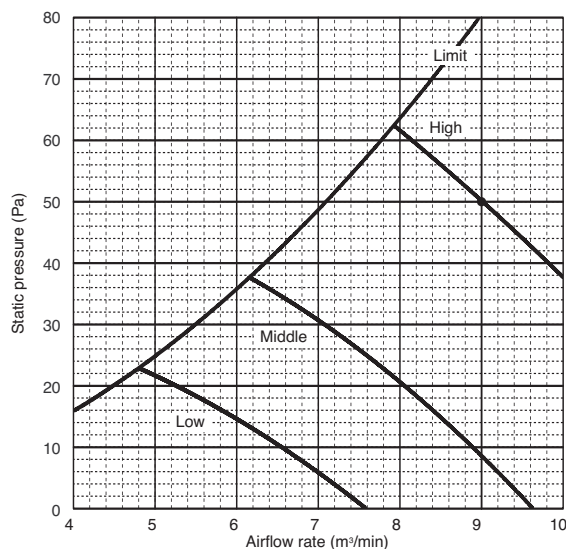


PEFY-P25VMS1(L)-E

External static pressure : 50Pa

Power source : 220,230,240V, 50/60Hz

Suction : Back inlet

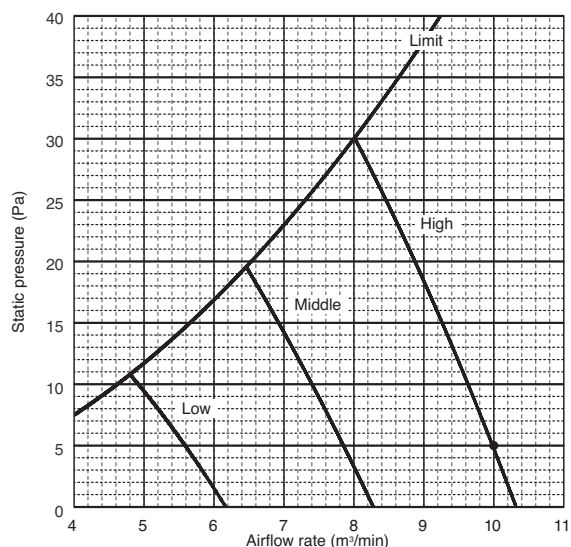


PEFY-P32VMS1(L)-E

External static pressure : 5Pa

Power source : 220,230,240V, 50/60Hz

Suction : Back inlet

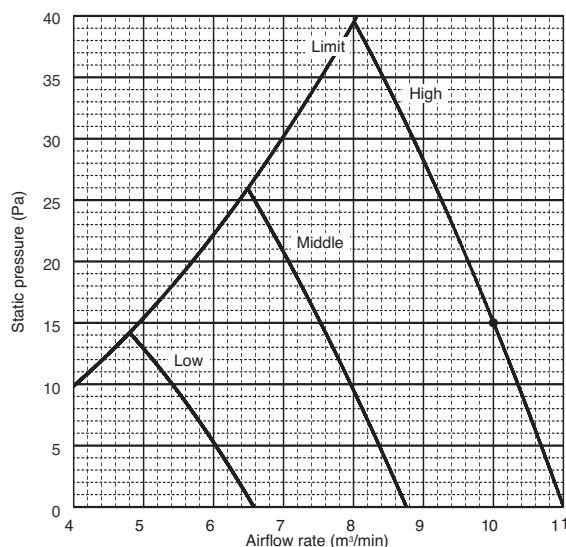


PEFY-P32VMS1(L)-E

External static pressure : 15Pa

Power source : 220,230,240V, 50/60Hz

Suction : Back inlet



4. SOUND LEVELS

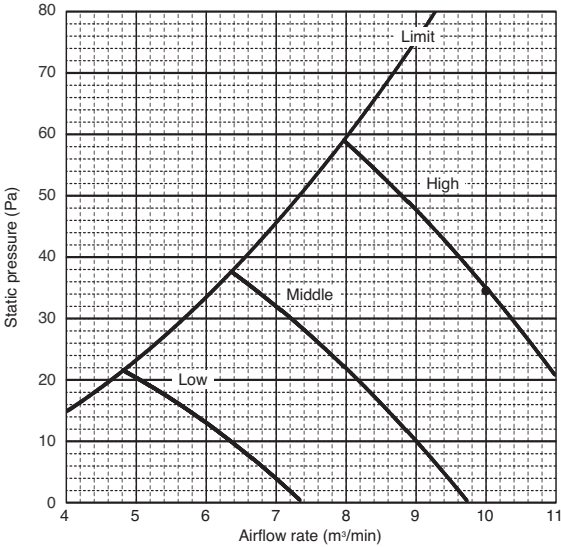
4-3. Fan characteristics curves

PEFY-P32VMS1(L)-E

External static pressure : 35Pa

Power source : 220,230,240V, 50/60Hz

Suction : Back inlet

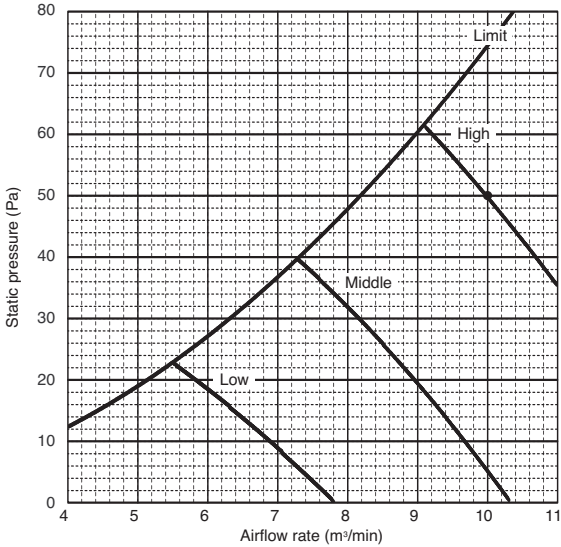


PEFY-P32VMS(L)-E

External static pressure : 50Pa

Power source : 220,230,240V, 50/60Hz

Suction : Back inlet

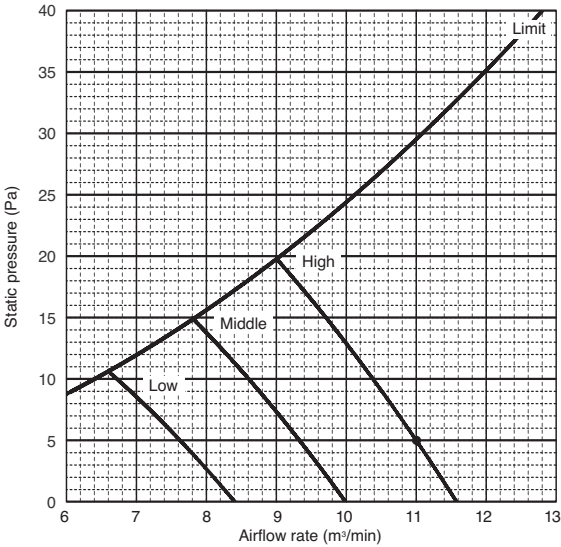


PEFY-P40VMS1(L)-E

External static pressure : 5Pa

Power source : 220,230,240V, 50/60Hz

Suction : Back inlet

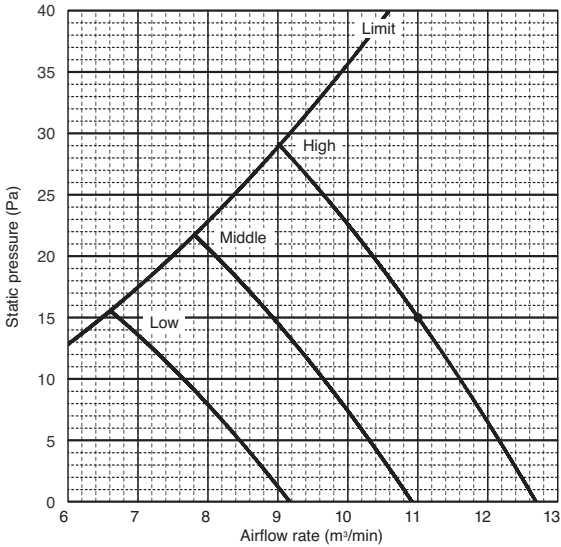


PEFY-P40VMS1(L)-E

External static pressure : 15Pa

Power source : 220,230,240V, 50/60Hz

Suction : Back inlet

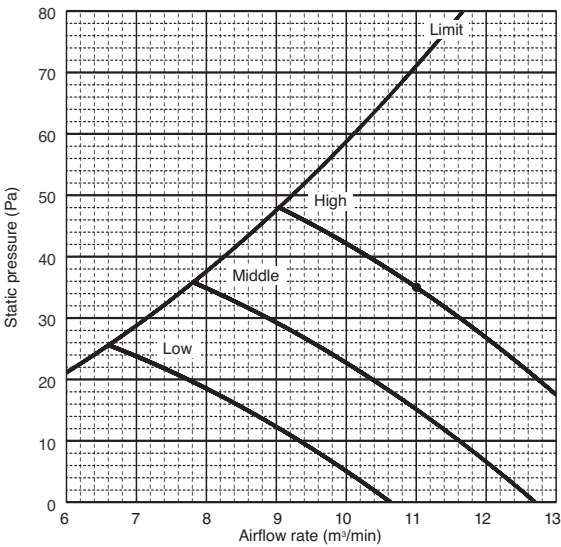


PEFY-P40VMS1(L)-E

External static pressure : 35Pa

Power source : 220,230,240V, 50/60Hz

Suction : Back inlet

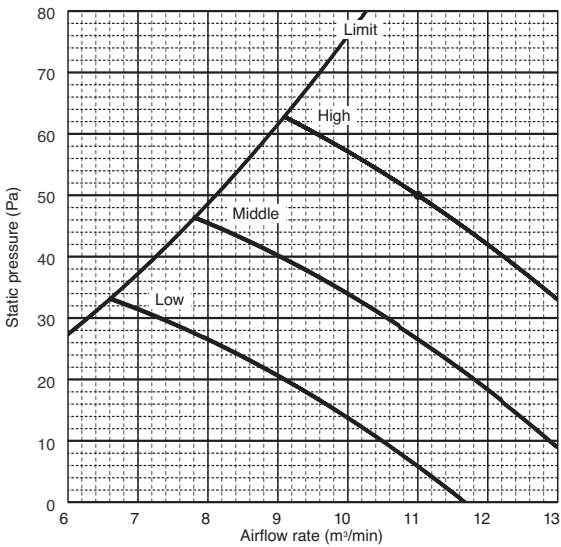


PEFY-P40VMS1(L)-E

External static pressure : 50Pa

Power source : 220,230,240V, 50/60Hz

Suction : Back inlet



4. SOUND LEVELS

R410A Data G4

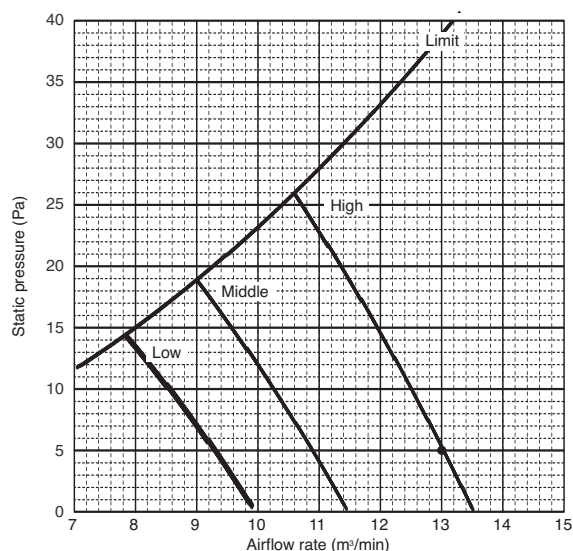
4-3. Fan characteristics curves

PEFY-P50VMS1(L)-E

External static pressure : 5Pa

Suction : Back inlet

Power source : 220,230,240V, 50/60Hz

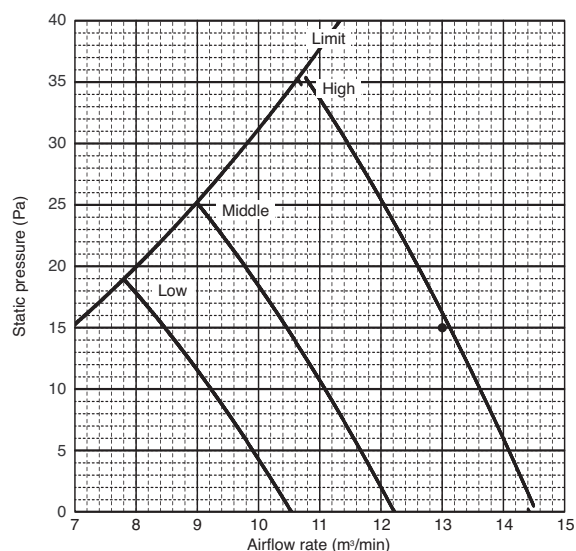


PEFY-P50VMS1(L)-E

External static pressure : 15Pa

Suction : Back inlet

Power source : 220,230,240V, 50/60Hz

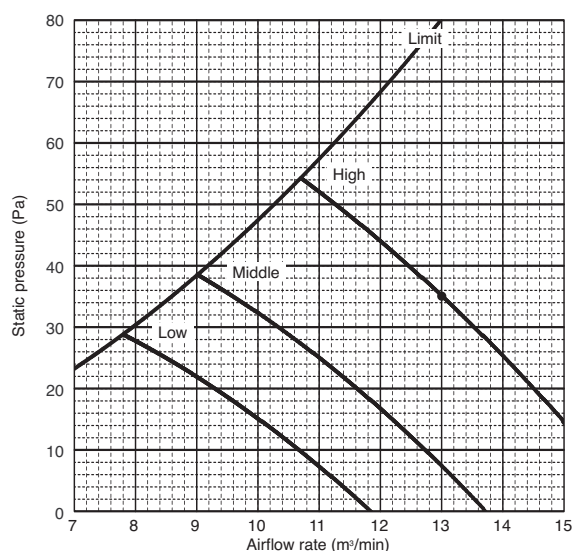


PEFY-P50VMS1(L)-E

External static pressure : 35Pa

Suction : Back inlet

Power source : 220,230,240V, 50/60Hz

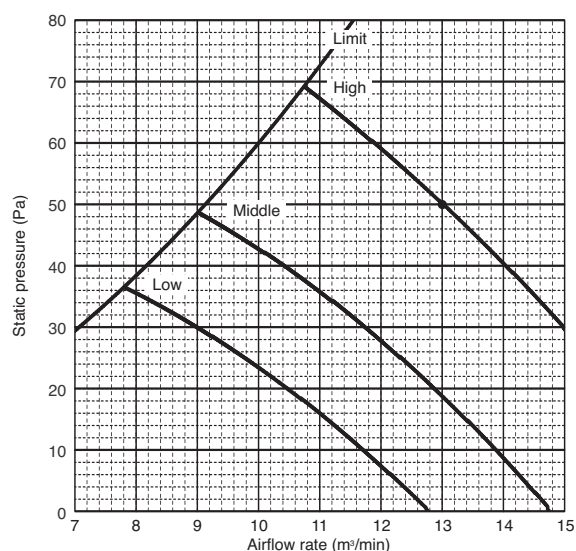


PEFY-P50VMS1(L)-E

External static pressure : 50Pa

Suction : Back inlet

Power source : 220,230,240V, 50/60Hz

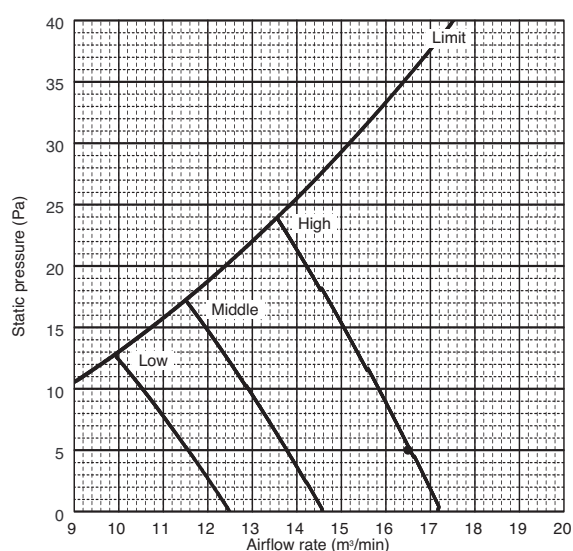


PEFY-P63VMS1(L)-E

External static pressure : 5Pa

Suction : Back inlet

Power source : 220,230,240V, 50/60Hz

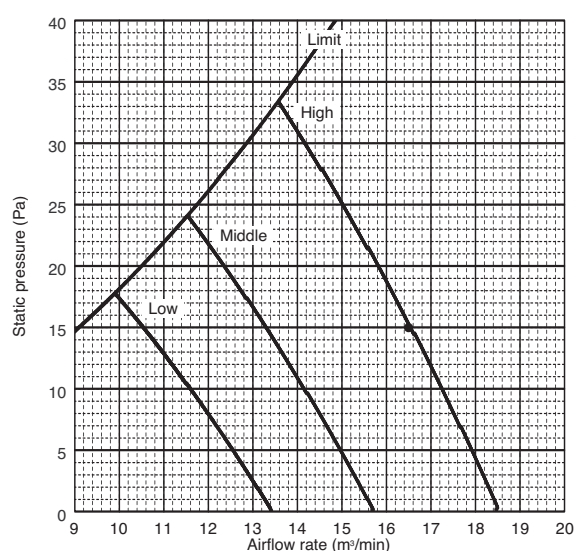


PEFY-P63VMS1(L)-E

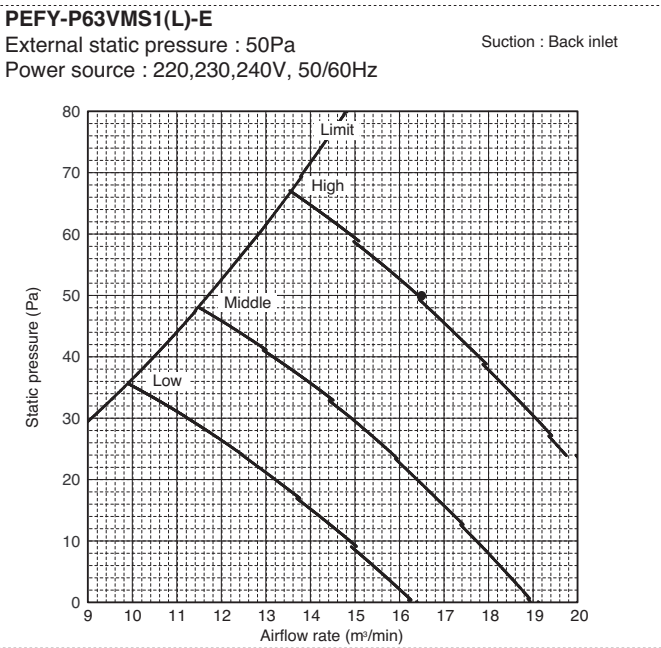
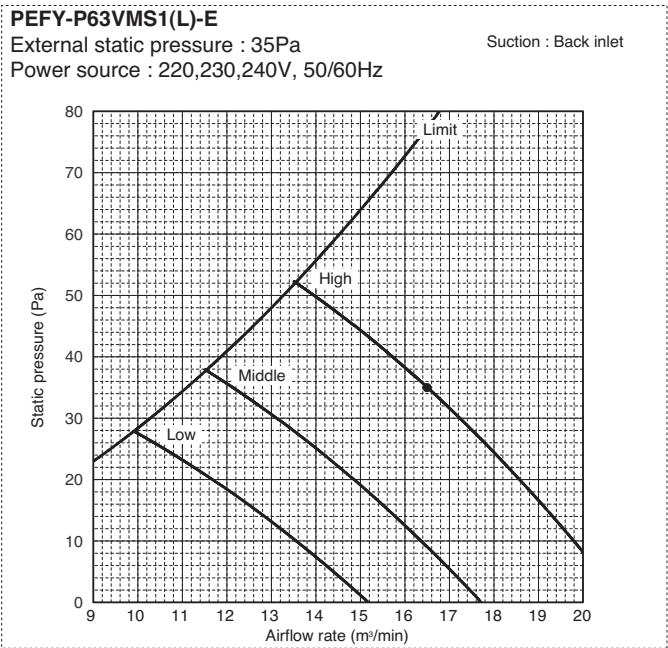
External static pressure : 15Pa

Suction : Back inlet

Power source : 220,230,240V, 50/60Hz



4-3. Fan characteristics curves



4. SOUND LEVELS

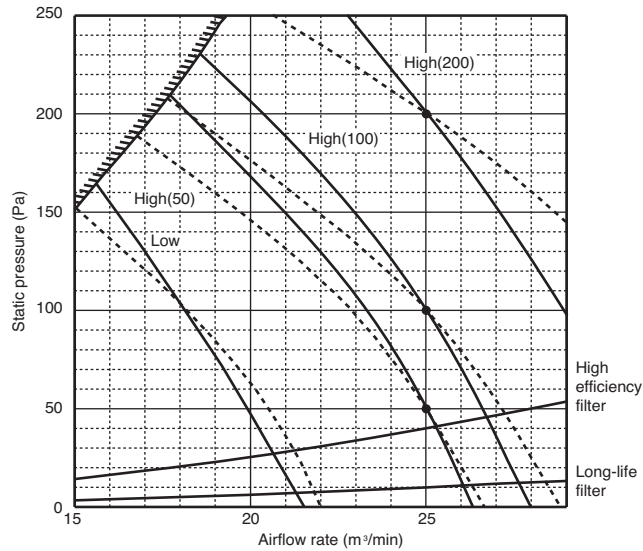
R410A Data G4

4-3. Fan characteristics curves

PEFY-P80VMH-E

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

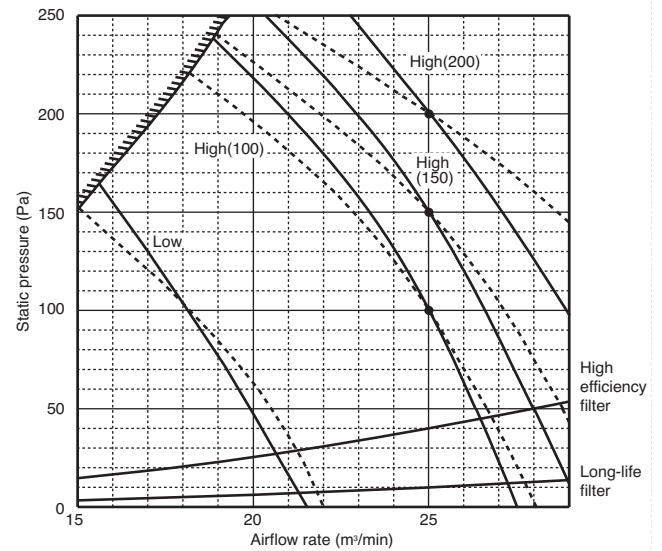
Suction : Back inlet
— 50Hz
- - - 60Hz



PEFY-P80VMH-E

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

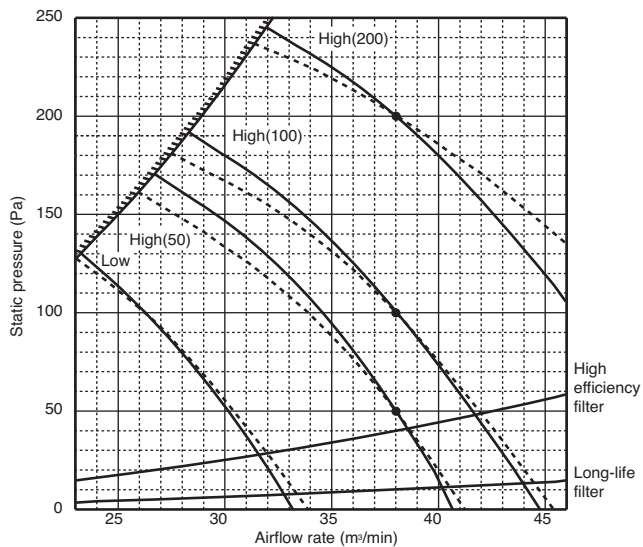
Suction : Back inlet
— 50Hz
- - - 60Hz



PEFY-P100,125VMH-E

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

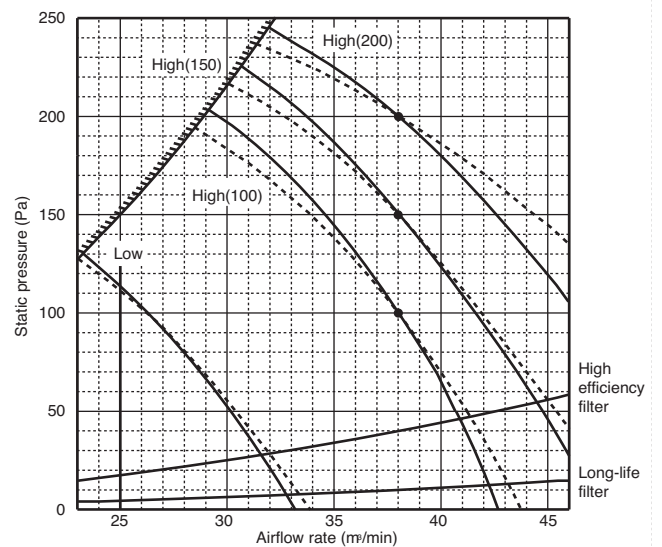
Suction : Back inlet
— 50Hz
- - - 60Hz



PEFY-P100,125VMH-E

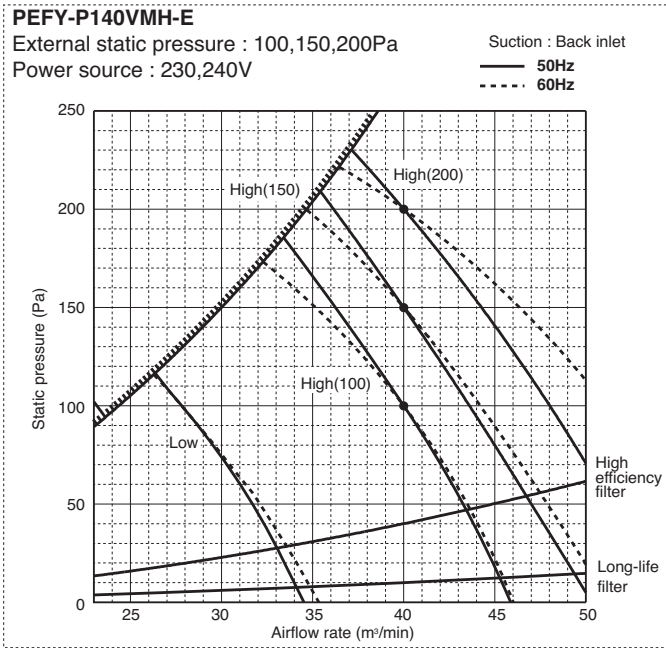
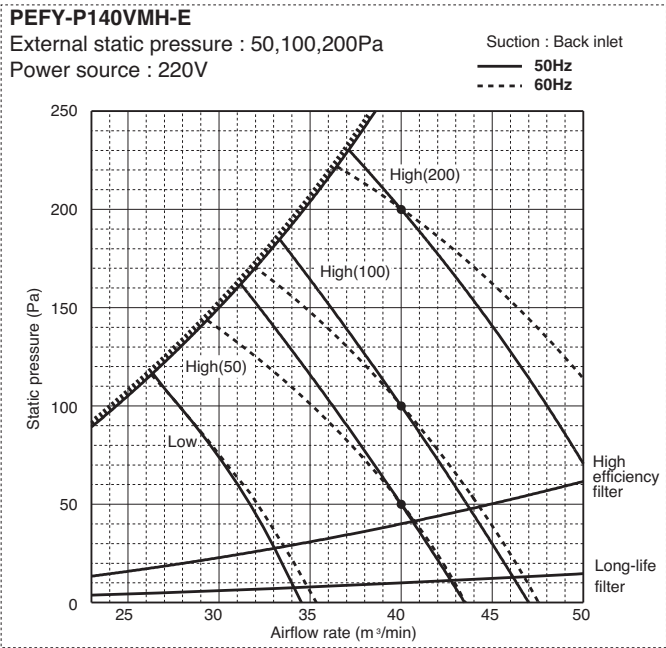
External static pressure : 100,150,200Pa
Power source : 230,240V

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



4. SOUND LEVELS

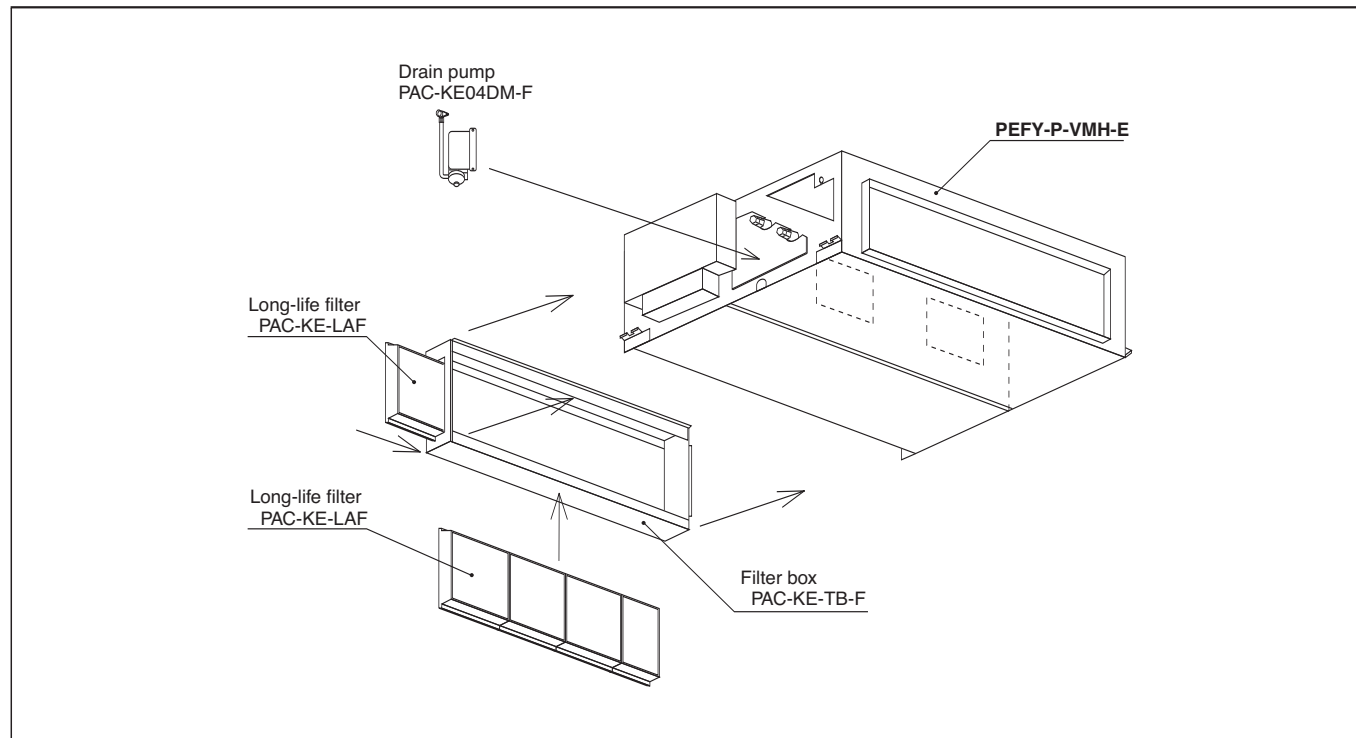
4-3. Fan characteristics curves



■ Optional parts line up for the Indoor unit

	Long-life filter	Filter box	Drain pump
PEFY-P80VMH-E	PAC-KE88LAF	PAC-KE80TB-F	PAC-KE04DM-F
PEFY-P100,125,140VMH-E	PAC-KE89LAF	PAC-KE140TB-F	PAC-KE04DM-F

● PEFY-P-VMH-E



A

B

C

D

E

F

G

H

V_A

V_B

BC

CT

5. Optional parts for PEFY-P-VMS1L-E,VMH-E

R410A Data G4

■ Optional parts line up for the Indoor unit

Long-life filter	Filter box	Drain pump
PEFY-P80VMH-E PEFY-P100,125,140VMH-E	PAC-KE88LAF PAC-KE89LAF	PAC-KE80TB-F PAC-KE140TB-F
		PAC-KE04DM-F PAC-KE04DM-F

■ Long-life filter PAC-KE-LAF and filter box PAC-KE-TB-F for PEFY-P-VMH-E

Life span: 2,500 hr (Dust concentration 0.15mg/m³)

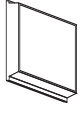
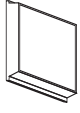
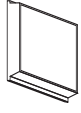
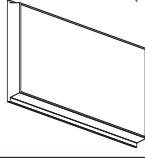
*. The actual dust situation affects the filter life span, which should be considered at the applying site.

Material: Synthetic fiber unwoven cloth filter

Static pressure loss is referred to 3-3 "Fan characteristics curves".

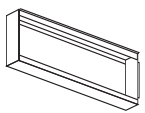
Long-life filter should be used together with filter box PAC-KE-TB-F.

PAC-KE-LAF

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

Detailed installation information should be referred to its Installation Manual (WT02574X04)

PAC-KE-TB-F

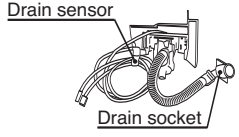
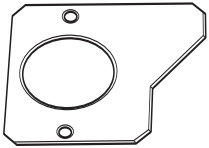
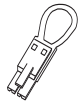
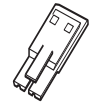
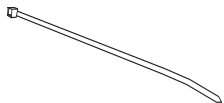
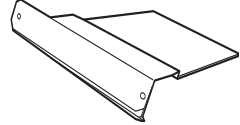
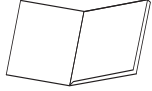
Item	① Screw	② Filter box	③ Installation manual	
Quantity	10/12*	1	1	
Shape				*PAC-KE250TB has 12 pieces of screw.

Detailed installation information should be referred to its Installation Manual (WT03018X02, WT03019X02)

■ Drain pump PAC-KE04DM-F

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 high from the drain pan.

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 (WT03312X02)

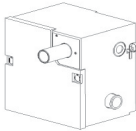
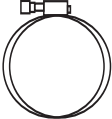
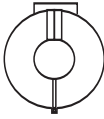
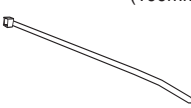
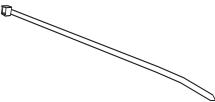
■ Optional parts line up for the Indoor unit

Drain pump

PEFY-P15VMS1L-E	PAC-KE07DM-E
PEFY-P20VMS1L-E	PAC-KE07DM-E
PEFY-P25VMS1L-E	PAC-KE07DM-E
PEFY-P32VMS1L-E	PAC-KE07DM-E
PEFY-P40VMS1L-E	PAC-KE07DM-E
PEFY-P50VMS1L-E	PAC-KE07DM-E
PEFY-P63VMS1L-E	PAC-KE07DM-E

■ Drain pump PAC-KE07DM-E

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

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

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V_AV_B

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