

AIR CONDITIONING SYSTEMS

CITY MULTI



DATA BOOK

MODEL

PEFY-P-VMA(L)-E4



PEFY-P-VMA(L)-E4

1. SPECIFICATIONS	2
2. EXTERNAL DIMENSIONS	8
3. CENTER OF GRAVITY	16
4. ELECTRICAL WIRING DIAGRAMS	17
5. SOUND LEVELS	18
5-1. Sound levels	18
5-2. NC curves	19
6. FAN CHARACTERISTICS CURVES.....	23
7. CAPACITY TABLES	32
7-1. Correction by fan speed.....	32
8. ELECTRICAL CHARACTERISTICS.....	33
9. OPTIONAL PARTS.....	34
9-1. Optional parts line up for the Indoor unit.....	34
9-2. Filter box	34
9-3. Plasma Quad Connect.....	35

1. SPECIFICATIONS

Ceiling concealed (Medium static pressure type)

PEFY-P-VMA(L)-E4

Model				PEFY-P20VMA-E4	PEFY-P25VMA-E4	PEFY-P32VMA-E4	PEFY-P40VMA-E4	
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		2.2	2.8	3.6	4.5	
	*1	BTU/h		7,500	9,600	12,300	15,400	
	*2	Power input		kW	0.032	0.032	0.044	
	*2	Current input		A	0.26-0.25-0.24	0.36-0.34-0.33	0.39-0.37-0.36	
Heating capacity (Nominal)	*3	kW		2.5	3.2	4.0	5.0	
	*3	BTU/h		8,500	10,900	13,600	17,100	
	*2	Power input		kW	0.030	0.030	0.042	
	*2	Current input		A	0.26-0.25-0.24	0.36-0.34-0.33	0.39-0.37-0.36	
External finish				Galvanized steel plate	Galvanized steel plate	Galvanized steel plate	Galvanized steel plate	
External dimension H x W x D			mm	250 x 700 x 732	250 x 700 x 732	250 x 700 x 732	250 x 900 x 732	
			in.	9-7/8 x 27-9/16 x 28-7/8	9-7/8 x 27-9/16 x 28-7/8	9-7/8 x 27-9/16 x 28-7/8	9-7/8 x 35-7/16 x 28-7/8	
Net weight			kg (lbs)	21.5 (49)	21.5 (49)	21.5 (49)	26 (58)	
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.	Pa	35 - <50> - <70> - <100> - <150>	35 - <50> - <70> - <100> - <150>	35 - <50> - <70> - <100> - <150>	35 - <50> - <70> - <100> - <150>	
			mmH ₂ O	3.6 - <5.1> - <7.1> - <10.2> - <15.3>	3.6 - <5.1> - <7.1> - <10.2> - <15.3>	3.6 - <5.1> - <7.1> - <10.2> - <15.3>	3.6 - <5.1> - <7.1> - <10.2> - <15.3>	
	Motor Type			DC motor	DC motor	DC motor	DC motor	
	Motor output		kW	0.085	0.085	0.085	0.121	
	Driving mechanism			Direct-driven by motor	Direct-driven by motor	Direct-driven by motor	Direct-driven by motor	
	Air flow rate			(Low-Mid-High)	(Low-Mid-High)	(Low-Mid-High)	(Low-Mid-High)	
				m ³ /min	6.0 - 7.5 - 8.5	6.0 - 7.5 - 8.5	7.5 - 9.0 - 10.5	10.0 - 12.0 - 14.0
				L/s	100 - 125 - 142	100 - 125 - 142	125 - 150 - 175	167 - 200 - 233
				cfm	212 - 265 - 300	212 - 265 - 300	265 - 318 - 371	353 - 424 - 494
Sound pressure level (measured in anechoic room)				(Low-Mid-High)	(Low-Mid-High)	(Low-Mid-High)	(Low-Mid-High)	
			*2, 5	dB <A>	22.0-26.0-28.0	22.0-26.0-28.0	24.0-28.0-31.0	24.0-29.0-32.0
Insulation material				EPS, Polystyrene foam, Urethane foam	EPS, Polystyrene foam, Urethane foam	EPS, Polystyrene foam, Urethane foam	EPS, Polystyrene foam, Urethane foam	
Air filter				PP honeycomb fabric.	PP honeycomb fabric.	PP honeycomb fabric.	PP honeycomb fabric.	
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 (R410A)	mm (in.)	6.35 (1/4)Brazed	6.35 (1/4)Brazed	6.35 (1/4)Brazed	6.35 (1/4)Brazed		
	Gas (R410A)	mm (in.)	12.7 (1/2)Brazed	12.7 (1/2)Brazed	12.7 (1/2)Brazed	12.7 (1/2)Brazed		
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			VG01R179	VG01R179	VG01R179	VG01R179	
	Wiring			VG01R181	VG01R181	VG01R181	VG01R181	
	Refrigerant cycle			-	-	-	-	
Standard attachment	Document			Installation Manual, Instruction Book	Installation Manual, Instruction Book	Installation Manual, Instruction Book	Installation Manual, Instruction Book	
	Accessory			Washer, Drain socket, Tie band	Washer, Drain socket, Tie band	Washer, Drain socket, Tie band	Washer, Drain socket, Tie band	
Optional parts	Filter box			PAC-KE91TB-E	PAC-KE91TB-E	PAC-KE91TB-E	PAC-KE92TB-E	
	Plasma Quad Connect			MAC-100FT-E	MAC-100FT-E	MAC-100FT-E	MAC-100FT-E	
	PQ attachment (Rear inlet)			PAC-HA31PAR	PAC-HA31PAR	PAC-HA31PAR	PAC-HA31PAR	
	PQ attachment (Bottom inlet)			PAC-HA31PAU	PAC-HA31PAU	PAC-HA31PAU	PAC-HA31PAU	
	PQ box			PAC-KE91PTB-E	PAC-KE91PTB-E	PAC-KE91PTB-E	PAC-KE92PTB-E	
Remarks				* Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual.				
				* Due to continuing improvement, above specifications may be subject to change without notice.				

Notes:		Unit converter
1.Nominal cooling conditions Indoor:27°CDB/19°CWB (81°FDB/66°F WB), Outdoor:35°CDB (95°FDB) Pipe length:7.5m (24-9/16ft.), Level difference:0m (0ft.)		BTU/h =kW x 3,412
2.The values are measured at the factory setting of external static pressure.		cfm =m ³ /min x 35.31
3.Nominal heating conditions Indoor:20°CDB (68°FDB), Outdoor:7°CDB/6°CWB (45°FDB/43°F WB) Pipe length:7.5m (24-9/16ft.), Level difference:0m (0ft.)		lbs =kg/0.4536
4.The factory setting of airflow mode and external static pressure mode is shown without < > . Refer to "Fan characteristics curves", according to the external static pressure, in DATA BOOK for the usable range of air flow rate.		
5.Measured in anechoic room with a 1 m air inlet duct and 2 m air outlet duct attached to the unit and 1.5 m below the unit.		
		*Above specification data is subject to rounding variation.

1. SPECIFICATIONS

Ceiling concealed (Medium static pressure type)

Model			PEFY-P50VMA-E4		PEFY-P63VMA-E4		PEFY-P71VMA-E4		PEFY-P80VMA-E4		
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	5.6		7.1		8.0		9.0		
		BTU/h	19,100		24,200		27,300		30,700		
	*2	Power input	kW	0.066		0.087		0.080		0.080	
		Current input	A	0.53-0.51-0.49		0.69-0.66-0.63		0.60-0.57-0.55		0.60-0.57-0.55	
Heating capacity (Nominal)	*3	kW	6.3		8.0		9.0		10.0		
		BTU/h	21,500		27,300		30,700		34,100		
	*2	Power input	kW	0.064		0.085		0.078		0.078	
		Current input	A	0.53-0.51-0.49		0.69-0.66-0.63		0.60-0.57-0.55		0.60-0.57-0.55	
External finish			Galvanized steel plate		Galvanized steel plate		Galvanized steel plate		Galvanized steel plate		
External dimension H x W x D		mm	250 x 900 x 732		250 x 900 x 732		250 x 1,100 x 732		250 x 1,100 x 732		
		in.	9-7/8 x 35-7/16 x 28-7/8		9-7/8 x 35-7/16 x 28-7/8		9-7/8 x 43-5/16 x 28-7/8		9-7/8 x 43-5/16 x 28-7/8		
Net weight		kg (lbs)	26 (58)		27 (60)		30 (67)		30 (67)		
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		Sirocco fan x 2		
	*4	External static press.	Pa	35 - <50> - <70> - <100> - <150>		35 - <50> - <70> - <100> - <150>		40 - <50> - <70> - <100> - <150>		40 - <50> - <70> - <100> - <150>	
			mmH ₂ O	3.6 - <5.1> - <7.1> - <10.2> - <15.3>		3.6 - <5.1> - <7.1> - <10.2> - <15.3>		4.1 - <5.1> - <7.1> - <10.2> - <15.3>		4.1 - <5.1> - <7.1> - <10.2> - <15.3>	
	Motor Type		DC motor		DC motor		DC motor		DC motor		
	Motor output		kW	0.121		0.121		0.121		0.121	
	Driving mechanism		Direct-driven by motor		Direct-driven by motor		Direct-driven by motor		Direct-driven by motor		
	Air flow rate		(Low-Mid-High)		(Low-Mid-High)		(Low-Mid-High)		(Low-Mid-High)		
			m ³ /min	12.0 - 14.5 - 17.0		13.5 - 16.0 - 19.0		14.5 - 18.0 - 21.0		14.5 - 18.0 - 21.0	
			L/s	200 - 242 - 283		225 - 267 - 317		242 - 300 - 350		242 - 300 - 350	
			cfm	424 - 512 - 600		477 - 565 - 671		512 - 636 - 742		512 - 636 - 742	
Sound pressure level (measured in anechoic room)			(Low-Mid-High)		(Low-Mid-High)		(Low-Mid-High)		(Low-Mid-High)		
*2, 5		dB <A>	25.0-32.0-35.0		28.0-32.0-36.0		26.0-32.0-35.0		26.0-32.0-35.0		
Insulation material			EPS, Polystyrene foam, Urethane foam		EPS, Polystyrene foam, Urethane foam		EPS, Polystyrene foam, Urethane foam		EPS, Polystyrene foam, Urethane foam		
Air filter			PP honeycomb fabric.		PP honeycomb fabric.		PP honeycomb fabric.		PP honeycomb fabric.		
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 (R410A)	mm (in.)	6.35 (1/4)Brazed		9.52 (3/8)Brazed		9.52 (3/8)Brazed		9.52 (3/8)Brazed		
	Gas (R410A)	mm (in.)	12.7 (1/2)Brazed		15.88 (5/8)Brazed		15.88 (5/8)Brazed		15.88 (5/8)Brazed		
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		VG01R179		VG01R179		VG01R179		VG01R179		
	Wiring		VG01R181		VG01R181		VG01R181		VG01R181		
	Refrigerant cycle		-		-		-		-		
Standard attachment	Document		Installation Manual, Instruction Book		Installation Manual, Instruction Book		Installation Manual, Instruction Book		Installation Manual, Instruction Book		
	Accessory		Washer, Drain socket, Tie band		Washer, Drain socket, Tie band		Washer, Drain socket, Tie band		Washer, Drain socket, Tie band		
Optional parts	Filter box		PAC-KE92TB-E		PAC-KE92TB-E		PAC-KE93TB-E		PAC-KE93TB-E		
	Plasma Quad Connect		MAC-100FT-E		MAC-100FT-E		MAC-100FT-E		MAC-100FT-E		
	PQ attachment (Rear inlet)		PAC-HA31PAR		PAC-HA31PAR		PAC-HA31PAR		PAC-HA31PAR		
	PQ attachment (Bottom inlet)		PAC-HA31PAU		PAC-HA31PAU		PAC-HA31PAU		PAC-HA31PAU		
	PQ box		PAC-KE92PTB-E		PAC-KE92PTB-E		PAC-KE93PTB-E		PAC-KE93PTB-E		
Remarks			* Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual. * Due to continuing improvement, above specifications may be subject to change without notice.								

Notes:		Unit converter
1. Nominal cooling conditions Indoor: 27°CDB/19°CWB (81°FDB/66°FWB), Outdoor: 35°CDB (95°FDB) Pipe length: 7.5m (24-9/16ft.), Level difference: 0m (0ft.)		BTU/h = kW x 3,412
2. The values are measured at the factory setting of external static pressure.		cfm = m ³ /min x 35.31
3. Nominal heating conditions Indoor: 20°CDB (68°FDB), Outdoor: 7°CDB/6°CWB (45°FDB/43°FWB) Pipe length: 7.5m (24-9/16ft.), Level difference: 0m (0ft.)		lbs = kg/0.4536
4. The factory setting of airflow mode and external static pressure mode is shown without < >. Refer to "Fan characteristics curves", according to the external static pressure, in DATA BOOK for the usable range of air flow rate.		
5. Measured in anechoic room with a 1 m air inlet duct and 2 m air outlet duct attached to the unit and 1.5 m below the unit.		
		*Above specification data is subject to rounding variation.

1. SPECIFICATIONS

Ceiling concealed (Medium static pressure type)

PEFY-P-VMA(L)-E4

Model			PEFY-P100VMA-E4	PEFY-P125VMA-E4	PEFY-P140VMA-E4		
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		
Cooling capacity (Nominal)	*1	kW	11.2	14.0	16.0		
	*1	BTU/h	38,200	47,800	54,600		
	*2	Power input	kW	0.142	0.199	0.208	
	*2	Current input	A	1.01-0.97-0.93	1.29-1.23-1.18	1.40-1.34-1.28	
Heating capacity (Nominal)	*3	kW	12.5	16.0	18.0		
	*3	BTU/h	42,700	54,600	61,400		
	*2	Power input	kW	0.140	0.197	0.206	
	*2	Current input	A	1.01-0.97-0.93	1.29-1.23-1.18	1.40-1.34-1.28	
External finish			Galvanized steel plate	Galvanized steel plate	Galvanized steel plate		
External dimension H x W x D		mm	250 x 1,400 x 732	250 x 1,400 x 732	250 x 1,600 x 732		
		in.	9-7/8 x 55-1/8 x 28-7/8	9-7/8 x 55-1/8 x 28-7/8	9-7/8 x 63 x 28-7/8		
Net weight		kg (lbs)	37.5 (84)	38.5 (86)	41.5 (93)		
Heat exchanger			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 3	Sirocco fan x 3	Sirocco fan x 3		
	*4	External static press.	Pa	<40> - 50 - <70> - <100> - <150>	<40> - 50 - <70> - <100> - <150>		
			mmH ₂ O	<4.1> - <5.1> - <7.1> - <10.2> - <15.3>	<4.1> - 5.1 - <7.1> - <10.2> - <15.3>		
	Motor Type		DC motor	DC motor	DC motor		
	Motor output		kW	0.300	0.300	0.300	
	Driving mechanism		Direct-driven by motor	Direct-driven by motor	Direct-driven by motor		
	Air flow rate		(Low-Mid-High)	(Low-Mid-High)	(Low-Mid-High)		
			m ³ /min	23.0 - 28.0 - 32.0	28.0 - 34.0 - 37.0	29.5 - 35.5 - 40.0	
			L/s	383 - 467 - 533	467 - 567 - 617	492 - 592 - 667	
			cfm	812 - 989 - 1,130	989 - 1,201 - 1,306	1,042 - 1,254 - 1,412	
Sound pressure level (measured in anechoic room)			(Low-Mid-High)	(Low-Mid-High)	(Low-Mid-High)		
		*2, 5 dB <A>	31.0-36.0-39.0	35.0-39.0-41.0	34.0-38.0-41.0		
Insulation material			EPS, Polystyrene foam, Urethane foam	EPS, Polystyrene foam, Urethane foam	EPS, Polystyrene foam, Urethane foam		
Air filter			PP honeycomb fabric.	PP honeycomb fabric.	PP honeycomb fabric.		
Protection device			Fuse	Fuse	Fuse		
Refrigerant control device			LEV	LEV	LEV		
Connectable outdoor unit			R410A CITY MULTI	R410A CITY MULTI	R410A CITY MULTI		
Refrigerant piping diameter	Liquid (R410A)	mm (in.)	9.52 (3/8)Braze	9.52 (3/8)Braze	9.52 (3/8)Braze		
	Gas (R410A)	mm (in.)	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		VG01R179	VG01R179	VG01R179		
	Wiring		VG01R181	VG01R181	VG01R181		
	Refrigerant cycle		-	-	-		
Standard attachment	Document		Installation Manual, Instruction Book	Installation Manual, Instruction Book	Installation Manual, Instruction Book		
	Accessory		Washer, Drain socket, Tie band	Washer, Drain socket, Tie band	Washer, Drain socket, Tie band		
Optional parts	Filter box		PAC-KE94TB-E	PAC-KE94TB-E	PAC-KE95TB-E		
	Plasma Quad Connect		MAC-100FT-E	MAC-100FT-E	MAC-100FT-E		
	PQ attachment (Rear inlet)		PAC-HA31PAR	PAC-HA31PAR	PAC-HA31PAR		
	PQ attachment (Bottom inlet)		PAC-HA31PAU	PAC-HA31PAU	PAC-HA31PAU		
	PQ box		PAC-KE94PTB-E	PAC-KE94PTB-E	PAC-KE95PTB-E		
Remarks			* Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual. * Due to continuing improvement, above specifications may be subject to change without notice.				

Notes:		Unit converter
1.Nominal cooling conditions Indoor:27°CDB/19°CWB (81°FDB/66°F WB), Outdoor:35°CDB (95°FDB) Pipe length:7.5m (24-9/16ft.), Level difference:0m (0ft.)		BTU/h =kW x 3,412
2.The values are measured at the factory setting of external static pressure.		cfm =m ³ /min x 35.31
3.Nominal heating conditions Indoor:20°CDB (68°FDB), Outdoor:7°CDB/6°CWB (45°FDB/43°F WB) Pipe length:7.5m (24-9/16ft.), Level difference:0m (0ft.)		lbs =kg/0.4536
4.The factory setting of airflow mode and external static pressure mode is shown without < > . Refer to "Fan characteristics curves", according to the external static pressure, in DATA BOOK for the usable range of air flow rate.		
5.Measured in anechoic room with a 1 m air inlet duct and 2 m air outlet duct attached to the unit and 1.5 m below the unit.		*Above specification data is subject to rounding variation.

1. SPECIFICATIONS

Ceiling concealed (Medium static pressure type)

PEFY-P-VMA(L)-E4

Model			PEFY-P20VMAL-E4		PEFY-P25VMAL-E4		PEFY-P32VMAL-E4		PEFY-P40VMAL-E4			
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	2.2		2.8		3.6		4.5			
		BTU/h	7,500		9,600		12,300		15,400			
	*2	Power input	kW		0.030		0.030		0.042		0.045	
		Current input	A		0.26-0.25-0.24		0.26-0.25-0.24		0.36-0.34-0.33		0.39-0.37-0.36	
Heating capacity (Nominal)	*3	kW	2.5		3.2		4.0		5.0			
		BTU/h	8,500		10,900		13,600		17,100			
	*2	Power input	kW		0.030		0.030		0.042		0.045	
		Current input	A		0.26-0.25-0.24		0.26-0.25-0.24		0.36-0.34-0.33		0.39-0.37-0.36	
External finish			Galvanized steel plate		Galvanized steel plate		Galvanized steel plate		Galvanized steel plate			
External dimension H x W x D		mm	250 x 700 x 732		250 x 700 x 732		250 x 700 x 732		250 x 900 x 732			
		in.	9-7/8 x 27-9/16 x 28-7/8		9-7/8 x 27-9/16 x 28-7/8		9-7/8 x 27-9/16 x 28-7/8		9-7/8 x 35-7/16 x 28-7/8			
Net weight		kg (lbs)	21 (47)		21 (47)		21 (47)		25.5 (58)			
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.	Pa	35 - <50> - <70> - <100> - <150>		35 - <50> - <70> - <100> - <150>		35 - <50> - <70> - <100> - <150>		35 - <50> - <70> - <100> - <150>		
			mmH2O	3.6 - <5.1> - <7.1> - <10.2> - <15.3>		3.6 - <5.1> - <7.1> - <10.2> - <15.3>		3.6 - <5.1> - <7.1> - <10.2> - <15.3>		3.6 - <5.1> - <7.1> - <10.2> - <15.3>		
	Motor Type		DC motor		DC motor		DC motor		DC motor			
	Motor output		kW	0.085		0.085		0.085		0.121		
	Driving mechanism		Direct-driven by motor		Direct-driven by motor		Direct-driven by motor		Direct-driven by motor			
	Air flow rate		(Low-Mid-High)		(Low-Mid-High)		(Low-Mid-High)		(Low-Mid-High)			
			m³/min	6.0 - 7.5 - 8.5		6.0 - 7.5 - 8.5		7.5 - 9.0 - 10.5		10.0 - 12.0 - 14.0		
			L/s	100 - 125 - 142		100 - 125 - 142		125 - 150 - 175		167 - 200 - 233		
			cfm	212 - 265 - 300		212 - 265 - 300		265 - 318 - 371		353 - 424 - 494		
	Sound pressure level (measured in anechoic room)			(Low-Mid-High)		(Low-Mid-High)		(Low-Mid-High)		(Low-Mid-High)		
	*2, 5		dB <A>	22.0-26.0-28.0		22.0-26.0-28.0		24.0-28.0-31.0		24.0-29.0-32.0		
Insulation material			EPS, Polystyrene foam, Urethane foam		EPS, Polystyrene foam, Urethane foam		EPS, Polystyrene foam, Urethane foam		EPS, Polystyrene foam, Urethane foam			
Air filter			PP honeycomb fabric.		PP honeycomb fabric.		PP honeycomb fabric.		PP honeycomb fabric.			
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 (R410A)	mm (in.)	6.35 (1/4)Brazed		6.35 (1/4)Brazed		6.35 (1/4)Brazed		6.35 (1/4)Brazed			
	Gas (R410A)	mm (in.)	12.7 (1/2)Brazed		12.7 (1/2)Brazed		12.7 (1/2)Brazed		12.7 (1/2)Brazed			
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		VG01R180		VG01R180		VG01R180		VG01R180			
	Wiring		VG01R181		VG01R181		VG01R181		VG01R181			
	Refrigerant cycle		-		-		-		-			
Standard attachment	Document		Installation Manual, Instruction Book		Installation Manual, Instruction Book		Installation Manual, Instruction Book		Installation Manual, Instruction Book			
	Accessory		Washer, Drain socket, Tie band		Washer, Drain socket, Tie band		Washer, Drain socket, Tie band		Washer, Drain socket, Tie band			
Optional parts	Filter box		PAC-KE91TB-E		PAC-KE91TB-E		PAC-KE91TB-E		PAC-KE92TB-E			
	Plasma Quad Connect		MAC-100FT-E		MAC-100FT-E		MAC-100FT-E		MAC-100FT-E			
	PQ attachment (Rear inlet)		PAC-HA31PAR		PAC-HA31PAR		PAC-HA31PAR		PAC-HA31PAR			
	PQ attachment (Bottom inlet)		PAC-HA31PAU		PAC-HA31PAU		PAC-HA31PAU		PAC-HA31PAU			
PQ box		PAC-KE91PTB-E		PAC-KE91PTB-E		PAC-KE91PTB-E		PAC-KE92PTB-E				
Remarks			* Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual. * Due to continuing improvement, above specifications may be subject to change without notice.									

Notes:		Unit converter
1. Nominal cooling conditions		BTU/h =kW x 3.412
Indoor:27°CDB/19°CWB (81°FDB/66°FWB), Outdoor:35°CDB (95°FDB)		cfm =m ³ /min x 35.31
Pipe length:7.5m (24-9/16ft.), Level difference:0m (0ft.)		lbs =kg/0.4536
2. The values are measured at the factory setting of external static pressure.		
3. Nominal heating conditions		
Indoor:20°CDB (68°FDB), Outdoor:7°CDB/6°CWB (45°FDB/43°FWB)		
Pipe length:7.5m (24-9/16ft.), Level difference:0m (0ft.)		
4. The factory setting of airflow mode and external static pressure mode is shown without < >.		
Refer to "Fan characteristics curves", according to the external static pressure, in DATA BOOK for the usable range of air flow rate.		
5. Measured in anechoic room with a 1 m air inlet duct and 2 m air outlet duct attached to the unit and 1.5 m below the unit.		
		*Above specification data is subject to rounding variation.

1. SPECIFICATIONS

Ceiling concealed (Medium static pressure type)

PEFY-P-VMA(L)-E4

Model			PEFY-P50VMAL-E4	PEFY-P63VMAL-E4	PEFY-P71VMAL-E4	PEFY-P80VMAL-E4	
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	5.6	7.1	8.0	9.0	
	*1	BTU/h	19,100	24,200	27,300	30,700	
	*2	Power input	kW	0.064	0.078	0.078	
	*2	Current input	A	0.53-0.51-0.49	0.69-0.66-0.63	0.60-0.57-0.55	
Heating capacity (Nominal)	*3	kW	6.3	8.0	9.0	10.0	
	*3	BTU/h	21,500	27,300	30,700	34,100	
	*2	Power input	kW	0.064	0.078	0.078	
	*2	Current input	A	0.53-0.51-0.49	0.69-0.66-0.63	0.60-0.57-0.55	
External finish			Galvanized steel plate	Galvanized steel plate	Galvanized steel plate	Galvanized steel plate	
External dimension H x W x D		mm	250 x 900 x 732	250 x 900 x 732	250 x 1,100 x 732	250 x 1,100 x 732	
		in.	9-7/8 x 35-7/16 x 28-7/8	9-7/8 x 35-7/16 x 28-7/8	9-7/8 x 43-5/16 x 28-7/8	9-7/8 x 43-5/16 x 28-7/8	
Net weight		kg (lbs)	25.5 (58)	26.5 (60)	29.5 (67)	29.5 (67)	
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	Sirocco fan x 2	
	*4	External static press.	Pa	35 - <50> - <70> - <100> - <150>	40 - <50> - <70> - <100> - <150>	40 - <50> - <70> - <100> - <150>	
			mmH ₂ O	3.6 - <5.1> - <7.1> - <10.2> - <15.3>	4.1 - <5.1> - <7.1> - <10.2> - <15.3>	4.1 - <5.1> - <7.1> - <10.2> - <15.3>	
	Motor Type		DC motor	DC motor	DC motor	DC motor	
	Motor output		kW	0.121	0.121	0.121	
	Driving mechanism		Direct-driven by motor	Direct-driven by motor	Direct-driven by motor	Direct-driven by motor	
	Air flow rate		(Low-Mid-High)	(Low-Mid-High)	(Low-Mid-High)	(Low-Mid-High)	
			m ³ /min	12.0 - 14.5 - 17.0	13.5 - 16.0 - 19.0	14.5 - 18.0 - 21.0	14.5 - 18.0 - 21.0
			L/s	200 - 242 - 283	225 - 267 - 317	242 - 300 - 350	242 - 300 - 350
			cfm	424 - 512 - 600	477 - 565 - 671	512 - 636 - 742	512 - 636 - 742
Sound pressure level (measured in anechoic room)			(Low-Mid-High)	(Low-Mid-High)	(Low-Mid-High)	(Low-Mid-High)	
*2, 5		dB <A>	25.0-32.0-35.0	28.0-32.0-36.0	26.0-32.0-35.0	26.0-32.0-35.0	
Insulation material			EPS, Polystyrene foam, Urethane foam	EPS, Polystyrene foam, Urethane foam	EPS, Polystyrene foam, Urethane foam	EPS, Polystyrene foam, Urethane foam	
Air filter			PP honeycomb fabric.	PP honeycomb fabric.	PP honeycomb fabric.	PP honeycomb fabric.	
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 (R410A)	mm (in.)	6.35 (1/4)Braze	9.52 (3/8)Braze	9.52 (3/8)Braze	9.52 (3/8)Braze	
	Gas (R410A)	mm (in.)	12.7 (1/2)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")	O.D.32 (1-1/4")	
Drawing	External		VG01R180	VG01R180	VG01R180	VG01R180	
	Wiring		VG01R181	VG01R181	VG01R181	VG01R181	
	Refrigerant cycle		-	-	-	-	
Standard attachment	Document		Installation Manual, Instruction Book	Installation Manual, Instruction Book	Installation Manual, Instruction Book	Installation Manual, Instruction Book	
	Accessory		Washer, Drain socket, Tie band	Washer, Drain socket, Tie band	Washer, Drain socket, Tie band	Washer, Drain socket, Tie band	
Optional parts	Filter box		PAC-KE92TB-E	PAC-KE92TB-E	PAC-KE93TB-E	PAC-KE93TB-E	
	Plasma Quad Connect		MAC-100FT-E	MAC-100FT-E	MAC-100FT-E	MAC-100FT-E	
	PQ attachment (Rear inlet)		PAC-HA31PAR	PAC-HA31PAR	PAC-HA31PAR	PAC-HA31PAR	
	PQ attachment (Bottom inlet)		PAC-HA31PAU	PAC-HA31PAU	PAC-HA31PAU	PAC-HA31PAU	
	PQ box		PAC-KE92PTB-E	PAC-KE92PTB-E	PAC-KE93PTB-E	PAC-KE93PTB-E	
Remarks			* Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual. * Due to continuing improvement, above specifications may be subject to change without notice.				

Notes:	Unit converter
1.Nominal cooling conditions Indoor:27°CDB/19°CWB (81°FDB/66°F WB), Outdoor:35°CDB (95°FDB) Pipe length:7.5m (24-9/16ft.), Level difference:0m (0ft.)	BTU/h =kW x 3,412
2.The values are measured at the factory setting of external static pressure.	cfm =m³/min x 35.31
3.Nominal heating conditions Indoor:20°CDB (68°FDB), Outdoor:7°CDB/6°CWB (45°FDB/43°F WB) Pipe length:7.5m (24-9/16ft.), Level difference:0m (0ft.)	lbs =kg/0.4536
4.The factory setting of airflow mode and external static pressure mode 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.
5.Measured in anechoic room with a 1 m air inlet duct and 2 m air outlet duct attached to the unit and 1.5 m below the unit.	

1. SPECIFICATIONS

Ceiling concealed (Medium static pressure type)

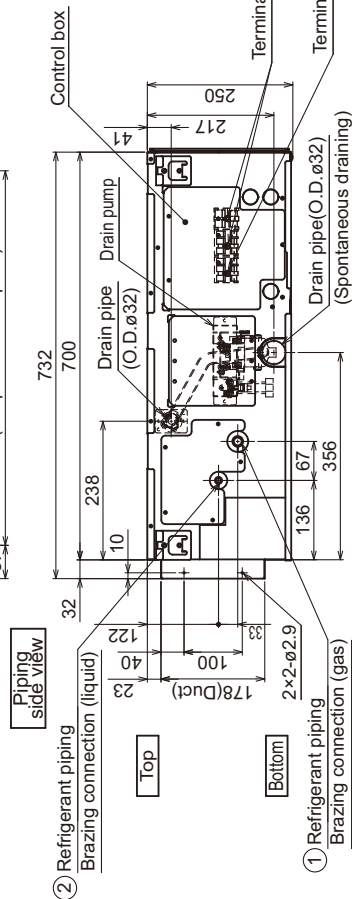
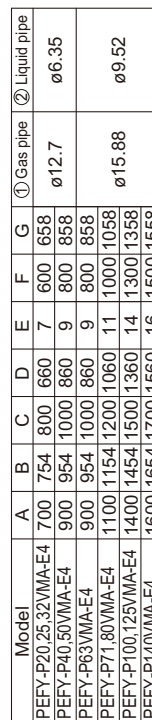
Model			PEFY-P100VMAL-E4	PEFY-P125VMAL-E4	PEFY-P140VMAL-E4	
Power source			1-phase 220-230-240 V 50/60 Hz	1-phase 220-230-240 V 50/60 Hz	1-phase 220-230-240 V 50/60 Hz	
Cooling capacity (Nominal)	*1	kW	11.2	14.0	16.0	
	*1	BTU/h	38,200	47,800	54,600	
	*2	Power input	kW	0.140	0.197	0.206
	*2	Current input	A	1.01-0.97-0.93	1.29-1.23-1.18	1.40-1.34-1.28
Heating capacity (Nominal)	*3	kW	12.5	16.0	18.0	
	*3	BTU/h	42,700	54,600	61,400	
	*2	Power input	kW	0.140	0.197	0.206
	*2	Current input	A	1.01-0.97-0.93	1.29-1.23-1.18	1.40-1.34-1.28
External finish			Galvanized steel plate	Galvanized steel plate	Galvanized steel plate	
External dimension H x W x D		mm	250 x 1,400 x 732	250 x 1,400 x 732	250 x 1,600 x 732	
		in.	9-7/8 x 55-1/8 x 28-7/8	9-7/8 x 55-1/8 x 28-7/8	9-7/8 x 63 x 28-7/8	
Net weight		kg (lbs)	37 (82)	38 (84)	41 (91)	
Heat exchanger			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 3	Sirocco fan x 3	Sirocco fan x 3	
	*4	External static press.	Pa	<40> - 50 - <70> - <100> - <150>	<40> - 50 - <70> - <100> - <150>	
			mmH ₂ O	4.1 - <5.1> - <7.1> - <10.2> - <15.3>	<4.1> - 5.1 - <7.1> - <10.2> - <15.3>	<4.1> - 5.1 - <7.1> - <10.2> - <15.3>
	Motor Type		DC motor	DC motor	DC motor	
	Motor output		kW	0.300	0.300	0.300
	Driving mechanism		Direct-driven by motor	Direct-driven by motor	Direct-driven by motor	
	Air flow rate		(Low-Mid-High)	(Low-Mid-High)	(Low-Mid-High)	
			m ³ /min	23.0 - 28.0 - 32.0	28.0 - 34.0 - 37.0	29.5 - 35.5 - 40.0
			L/s	383 - 467 - 533	467 - 567 - 617	492 - 592 - 667
			cfm	812 - 989 - 1,130	989 - 1,201 - 1,306	1,042 - 1,254 - 1,412
	Sound pressure level (measured in anechoic room)		(Low-Mid-High)	(Low-Mid-High)	(Low-Mid-High)	
*2, 5 dB <A>		31.0-36.0-39.0	35.0-39.0-41.0	34.0-38.0-41.0		
Insulation material			EPS, Polystyrene foam, Urethane foam	EPS, Polystyrene foam, Urethane foam	EPS, Polystyrene foam, Urethane foam	
Air filter			PP honeycomb fabric.	PP honeycomb fabric.	PP honeycomb fabric.	
Protection device			Fuse	Fuse	Fuse	
Refrigerant control device			LEV	LEV	LEV	
Connectable outdoor unit			R410A CITY MULTI	R410A CITY MULTI	R410A CITY MULTI	
Refrigerant piping diameter	Liquid (R410A)	mm (in.)	9.52 (3/8)Braze	9.52 (3/8)Braze	9.52 (3/8)Braze	
	Gas (R410A)	mm (in.)	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		VG01R180	VG01R180	VG01R180	
	Wiring		VG01R181	VG01R181	VG01R181	
	Refrigerant cycle		-	-	-	
Standard attachment	Document		Installation Manual, Instruction Book	Installation Manual, Instruction Book	Installation Manual, Instruction Book	
	Accessory		Washer, Drain socket, Tie band	Washer, Drain socket, Tie band	Washer, Drain socket, Tie band	
Optional parts	Filter box		PAC-KE94TB-E	PAC-KE94TB-E	PAC-KE95TB-E	
	Plasma Quad Connect		MAC-100FT-E	MAC-100FT-E	MAC-100FT-E	
	PQ attachment (Rear inlet)		PAC-HA31PAR	PAC-HA31PAR	PAC-HA31PAR	
	PQ attachment (Bottom inlet)		PAC-HA31PAU	PAC-HA31PAU	PAC-HA31PAU	
	PQ box		PAC-KE94PTB-E	PAC-KE94PTB-E	PAC-KE95PTB-E	
Remarks			* Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual. * Due to continuing improvement, above specifications may be subject to change without notice.			

Notes:		Unit converter
1. Nominal cooling conditions Indoor: 27°CDB/19°CWB (81°FDB/66°F WB), Outdoor: 35°CDB (95°FDB) Pipe length: 7.5m (24-9/16ft.), Level difference: 0m (0ft.)		BTU/h = kW x 3,412
2. The values are measured at the factory setting of external static pressure.		cfm = m ³ /min x 35.31
3. Nominal heating conditions Indoor: 20°CDB (68°FDB), Outdoor: 7°CDB/6°CWB (45°FDB/43°F WB) Pipe length: 7.5m (24-9/16ft.), Level difference: 0m (0ft.)		lbs = kg/0.4536
4. The factory setting of airflow mode and external static pressure mode is shown without < >. Refer to "Fan characteristics curves", according to the external static pressure, in DATA BOOK for the usable range of air flow rate.		
5. Measured in anechoic room with a 1 m air inlet duct and 2 m air outlet duct attached to the unit and 1.5 m below the unit.		
		*Above specification data is subject to rounding variation.

PEFY-P-VMA(L)-E4

Unit: mm

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-P71-80VMA-E4 models, which have 2 fans. PEFY-P20-25:32VMA-E4 models have 1 fan. PEFY-P40-50-63VMA-E4 models have 2 fans. PEFY-P100-125-140VMA-E4 models have 3 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.



PEFY-P20, 25, 32, 40, 50, 63, 71, 80, 100, 125, 140VMA-E4

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 control box in one of the following ways.

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

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

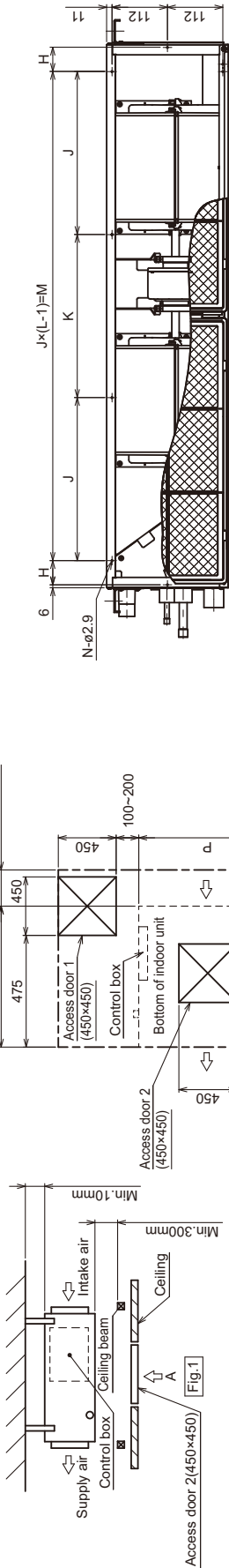


Fig.2 (Viewed from the direction of the arrow A)

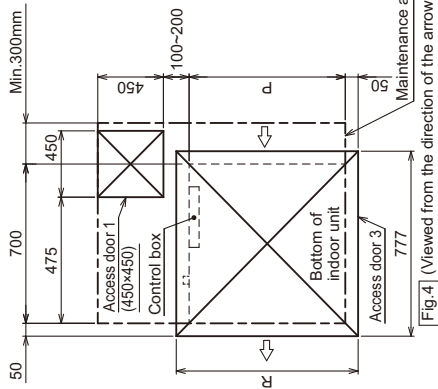


Fig.2 (Viewed from the direction of the arrow A)

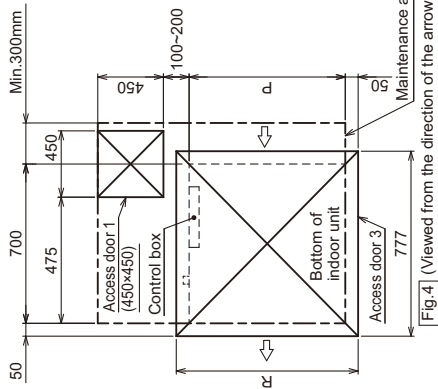


Fig.3 (Viewed from the direction of the arrow B)

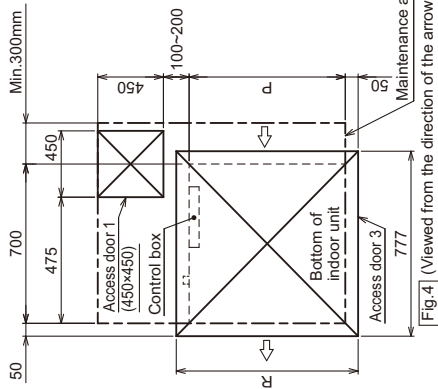


Fig.4 (Viewed from the direction of the arrow B)

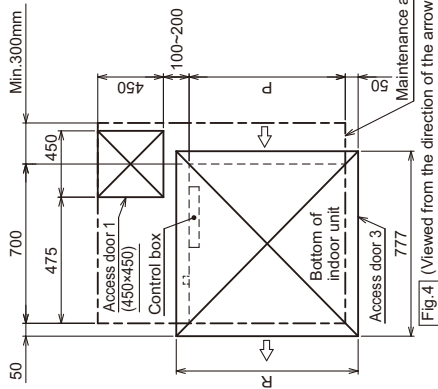
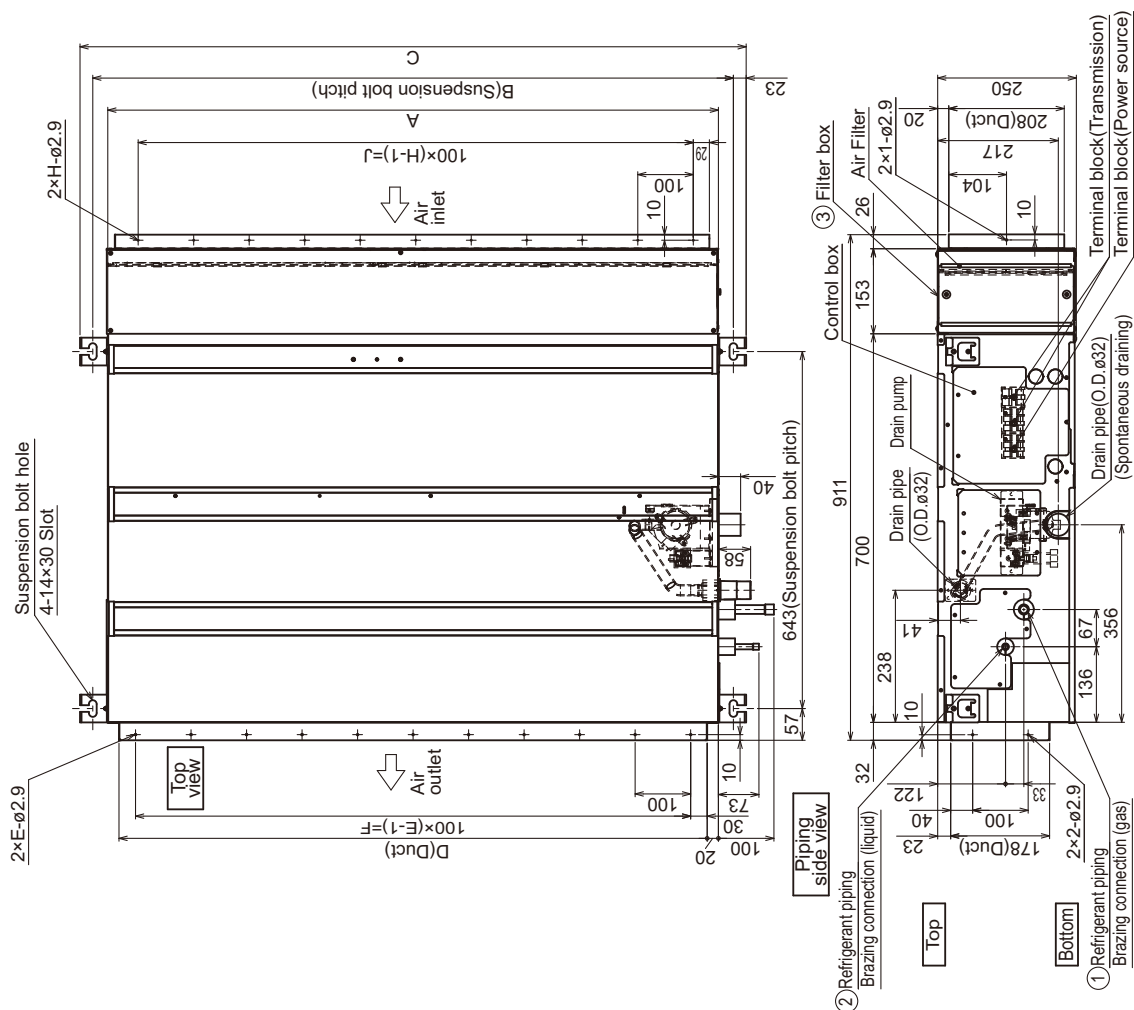
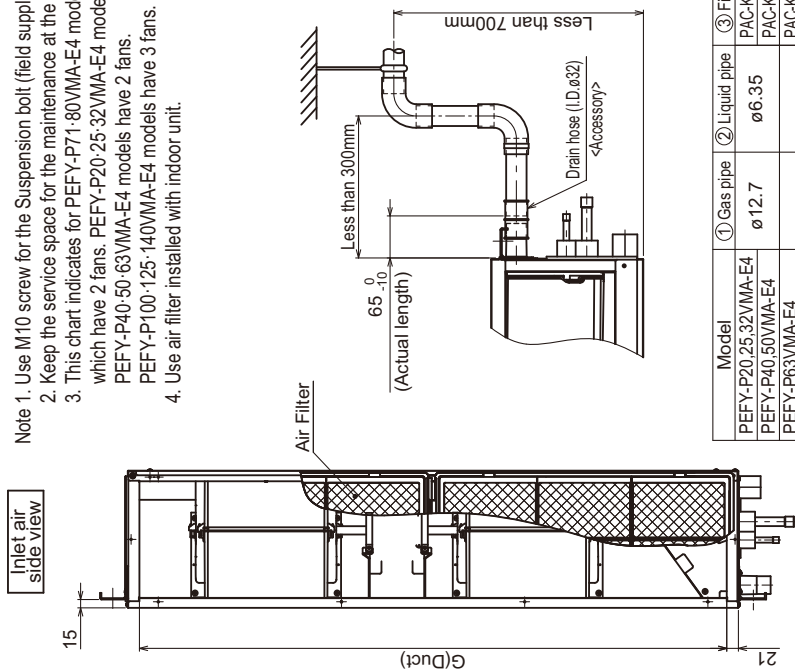
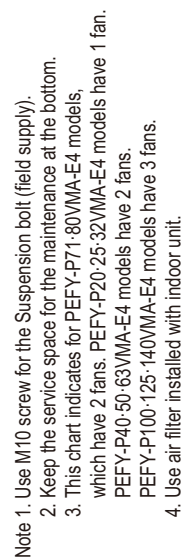


Fig.5 (Viewed from the direction of the arrow B)

Model	H	J	K	L	M	N	P	Q	R	S
PEFY-P20,25,32VMA-E4	44	150	300	4	780	10	700	50~150	800	1300
PEFY-P40,50,63VMA-E4	54	260	4	990	10	900	150~250	1000	1500	
PEFY-P71,80VMA-E4	49	330	4	1280	12	1400	250~350	1200	1700	
PEFY-P100,125VMA-E4	54	320	5	1480	12	1600	400~500	1500	2000	
PEFY-P140VMA-E4	54	370	5	1480	12	1600	500~600	1700	2200	

Unit: mm

PEFY-P-VMA(L)-E4



Model	① Gas pipe	② Liquid pipe	③ Filter box
PEFY-P20.25.32VMA-E4	ø12.7	ø6.35	PAC-KE91TB-E
PEFY-P40.50VMA-E4			PAC-KE92TB-E
PEFY-P63VMA-E4			PAC-KE92TB-E
PEFY-P71.80VMA-E4	ø15.88	ø9.52	PAC-KE93TB-E
PEFY-P100.125VMA-E4			PAC-KE94TB-E
PEFY-P140VMA-E4			PAC-KE95TB-E

Model	A	B	C	D	E	F	G	H	J
PEFY-P20.25.32VMA-E4	700	754	800	660	7	600	658	7	600
PEFY-P40.50.63VMA-E4	900	954	1000	860	9	800	858	9	800
PEFY-P71.80VMA-E4	1100	1154	1200	1060	11	1000	1058	11	1000
PEFY-P100.125VMA-E4	1400	1454	1500	1360	14	1300	1358	14	1300
PEFY-P140VMA-E4	1600	1654	1700	1560	16	1500	1558	16	1500

<Suction filter box built-in-specification>

PEFY-P20, 25, 32, 40, 50, 63, 71, 80, 100, 125, 140VMA-E4 with suction filter box

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 control box in one of the following ways.
Select an installation site for the indoor unit so that its maintenance access space will not be obstructed by beams or other objects.

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

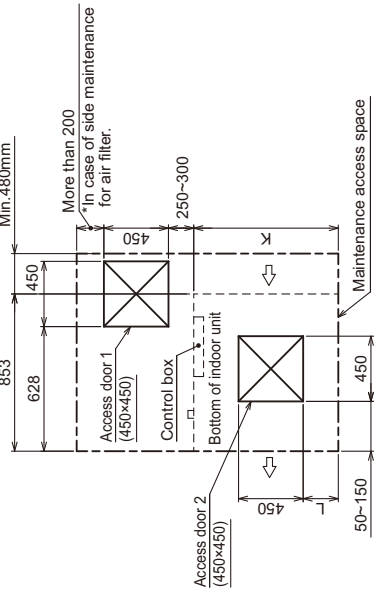
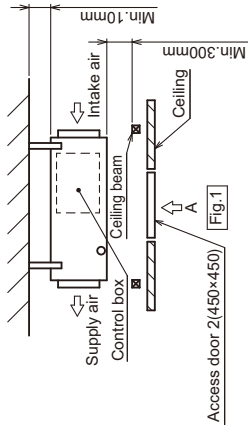


Fig. 2 (Viewed from the direction of the arrow A)

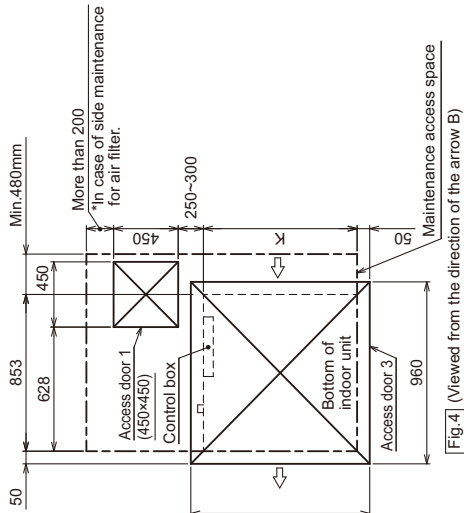


Fig. 4 (Viewed from the direction of the arrow B)

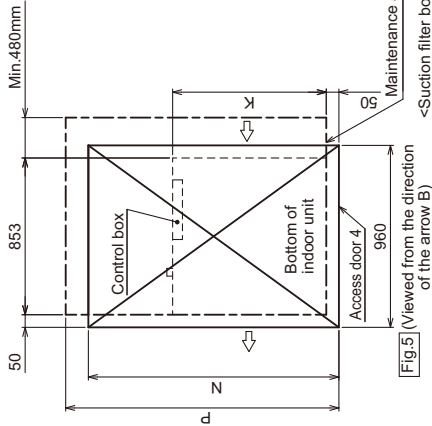
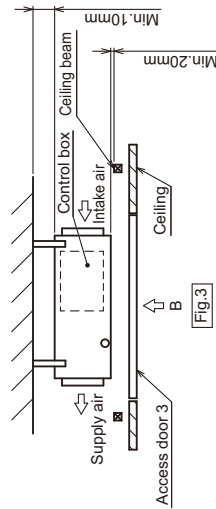


Fig. 5 (Viewed from the direction of the arrow B)
<Suction filter box built-in-specification>



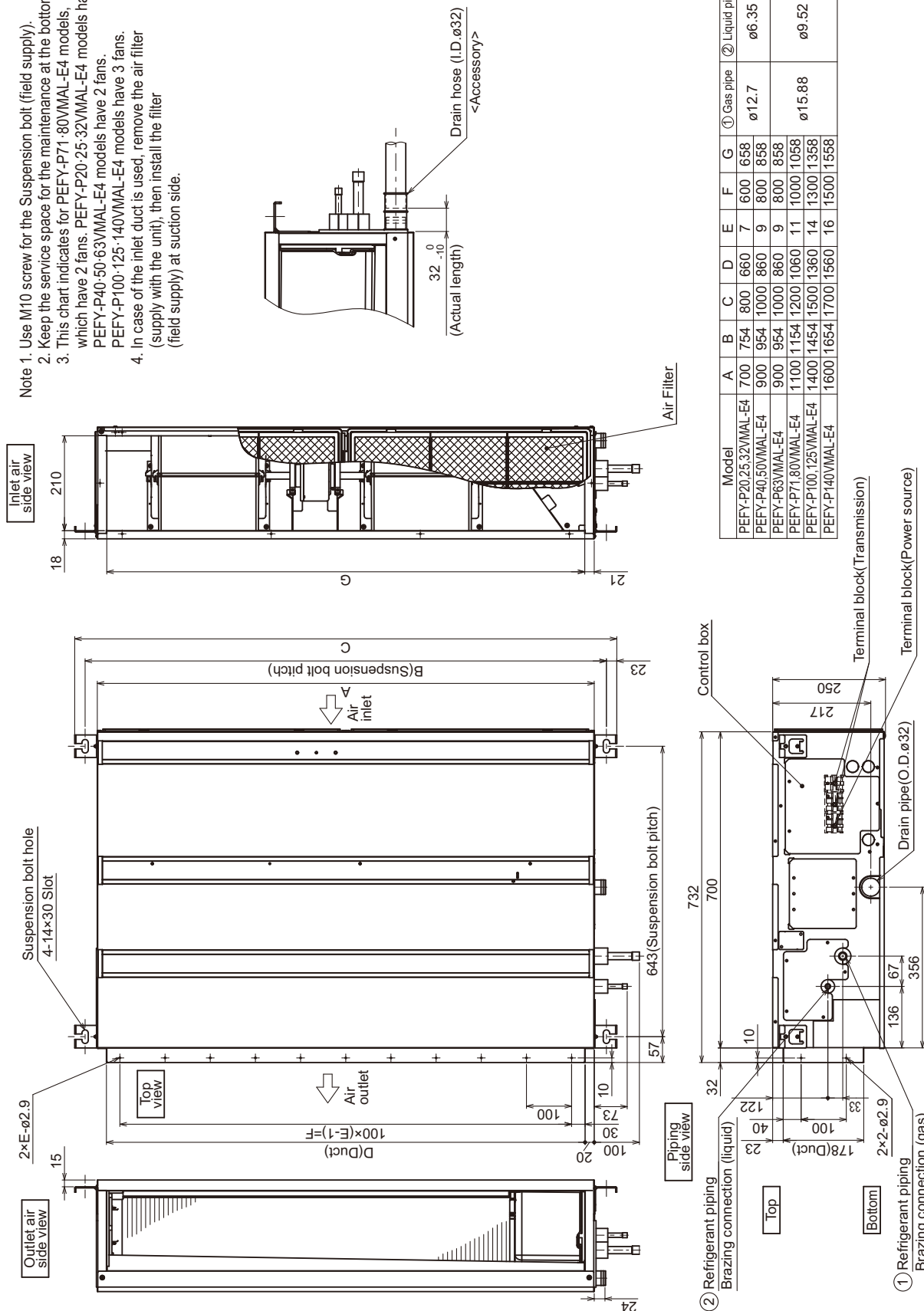
*Dimension 'P' is in case of side maintenance for air filter.

Model	K	L	M	N	P*
PEFY-P20,25,32VMA-E4	700	50~150	800	1300	1450
PEFY-P40,50,63VMA-E4	900	150~250	1000	1500	1850
PEFY-P71,80VMA-E4	1100	250~350	1200	1700	
PEFY-P100,125VMA-E4	1400	400~500	1500	2000	2150
PEFY-P140VMA-E4	1600	500~600	1700	2200	2550

PEFY-P20, 25, 32, 40, 50, 63, 71, 80, 100, 125, 140VMAL-E4

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-P71-80VMAL-E4 models, which have 2 fans. PEFY-P20-25-32VMAL-E4 models have 1 fan. PEFY-P40-50-63VMAL-E4 models have 2 fans. PEFY-P100-125-140VMAL-E4 models have 3 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.

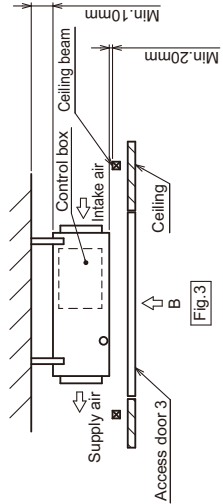
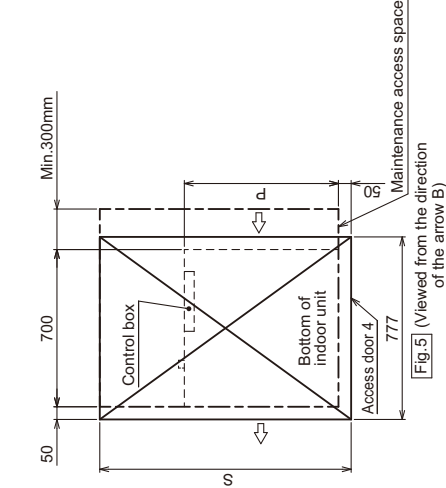
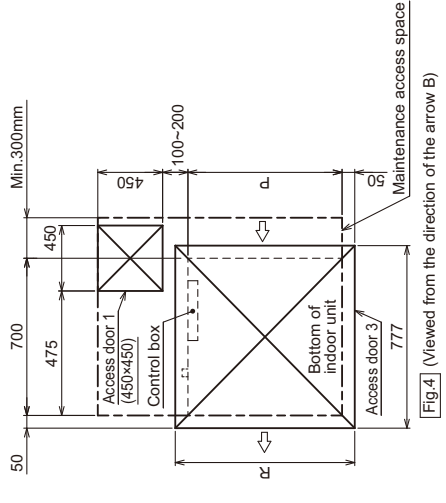
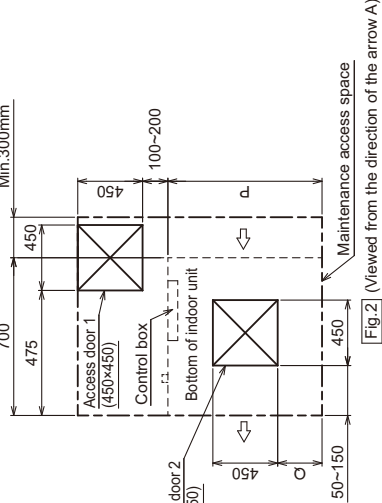
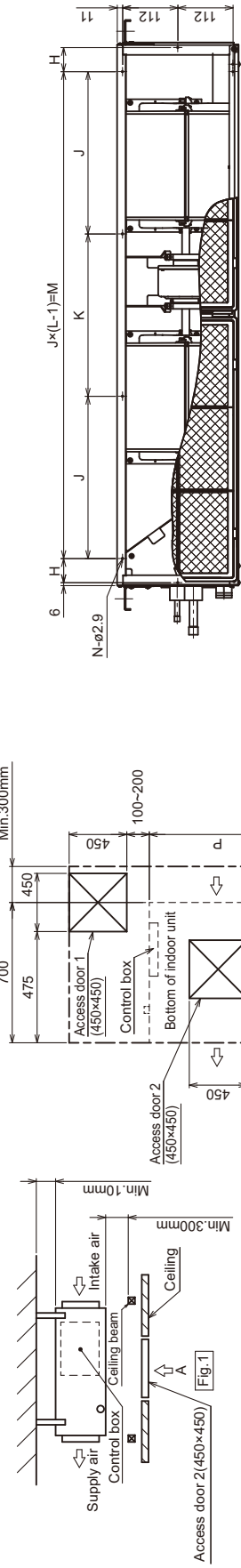


PEFY-P20, 25, 32, 40, 50, 63, 71, 80, 100, 125, 140VMAL-E4

Unit: mm

[Maintenance access space]
Secure enough access space to allow for the maintenance, inspection, and replacement of the motor, fan, heat exchanger, and control box in one of the following ways.
Select an installation site for the indoor unit so that its maintenance access space will not be obstructed by beams or other objects.
(1) When a space of 300mm or more is available below the unit between the unit and the ceiling. (Fig.1)
· Create access door 1 and 2 (450×450mm each) as shown in Fig.2.
(Access door 2 is not required if enough space is available below the unit for a maintenance worker to work in.)

(2) When a space of less than 300mm is available below the unit between the unit and the ceiling.
(At least 20mm of space should be left below the unit as shown in Fig.3.)
· Create access door 1 diagonally below the control box and access door 3 below the unit as shown in Fig.4.
or
· Create access door 4 below the control box and the unit as shown in Fig.5.

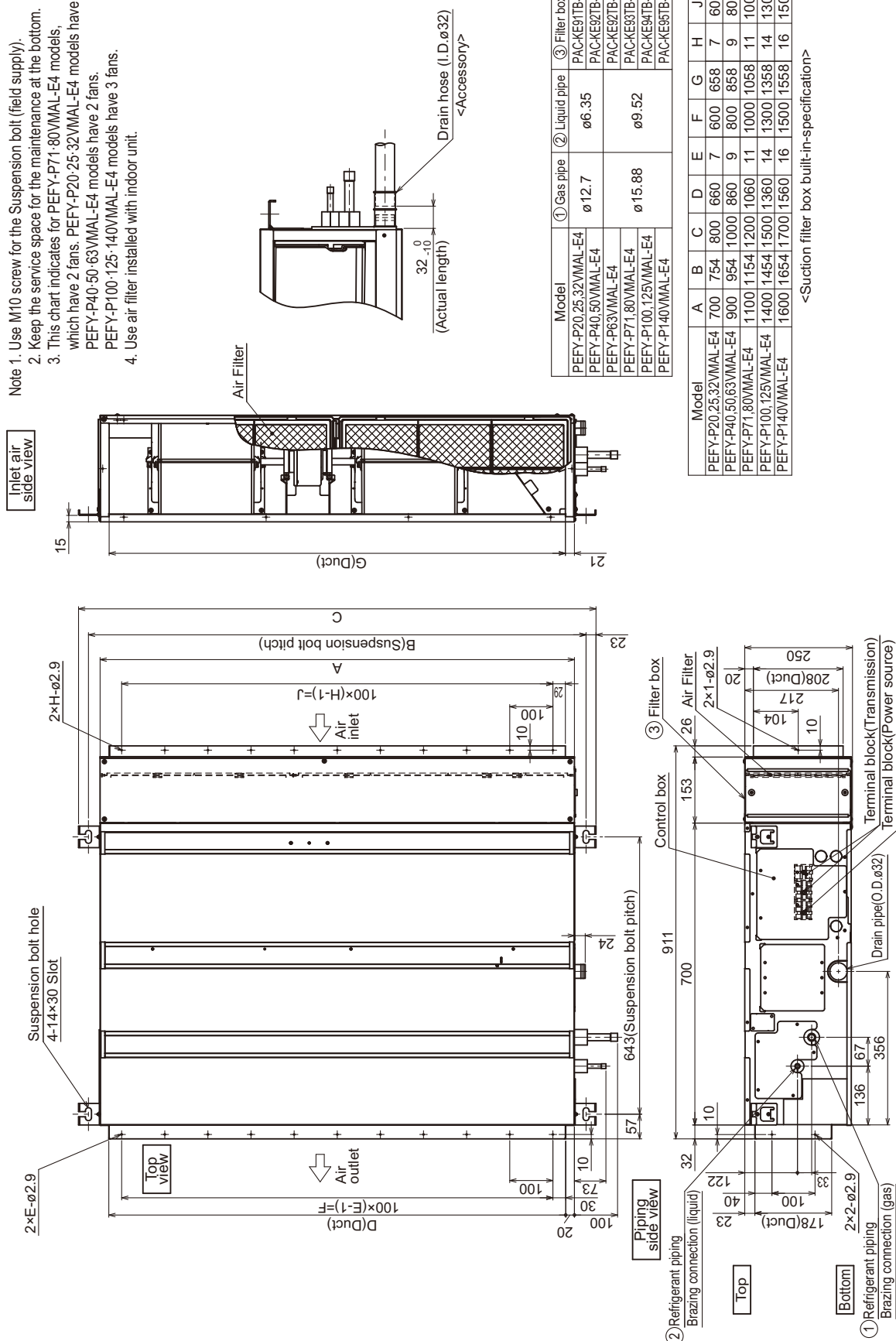


Model	H	J	K	L	M	N	P	Q	R	S
PEFY-P20, 25, 32VMAL-E4	44	150	300	4	780	10	700	50~150	800	1300
PEFY-P40, 50, 63VMAL-E4	54	260	4	990	10	900	150~250	1000	1500	
PEFY-P71, 80VMAL-E4	49	330	4	990	10	1100	250~350	1200	1700	
PEFY-P100, 125VMAL-E4	54	320	5	1280	12	1400	400~500	1500	2000	
PEFY-P140VMAL-E4	54	370	5	1480	12	1600	500~600	1700	2200	

PEFY-P-VMA(L)-E4

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 PEEF-P71-80V/MAL-E4 models, which have 2 fans. PEEF-P20-25-32V/MAL-E4 models have 1 fan. PEEF-P40-50-63V/MAL-E4 models have 2 fans. PEEF-P100-125-140V/MAL-E4 models have 3 fans.
4. Use air filter installed with indoor unit.

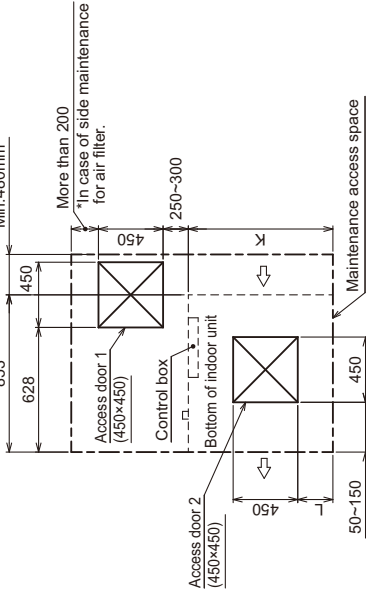
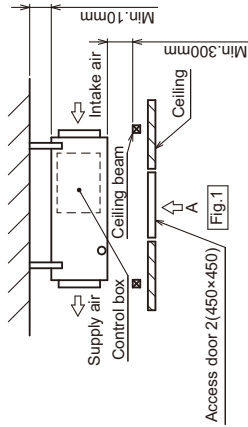


PEFY-P20, 25, 32, 40, 50, 63, 71, 80, 100, 125, 140VMAL-E4 with suction filter box

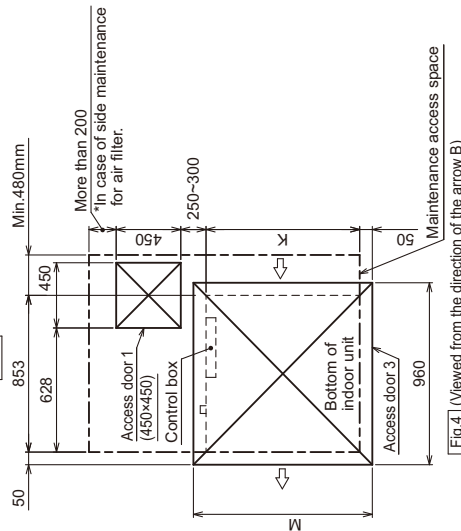
Unit: mm

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

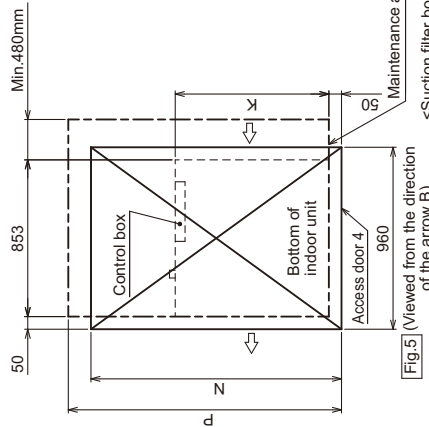
- (1) When a space of 300mm or more is available below the unit between the unit and the ceiling. (Fig. 1)
 - Create access door 1 and 2 (450×450mm each) as shown in Fig. 2.
- (2) When a space of less than 300mm is available below the unit between the unit and the ceiling. (At least 20mm of space should be left below the unit as shown in Fig. 3.)
 - Create access door 1 diagonally below the control box and access door 3 below the unit as shown in Fig. 4.
 - or
 - Create access door 4 below the control box and the unit as shown in Fig. 5.



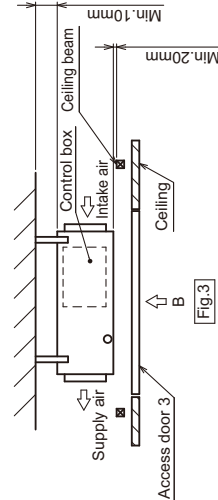
[Fig. 2] (Viewed from the direction of the arrow A)



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



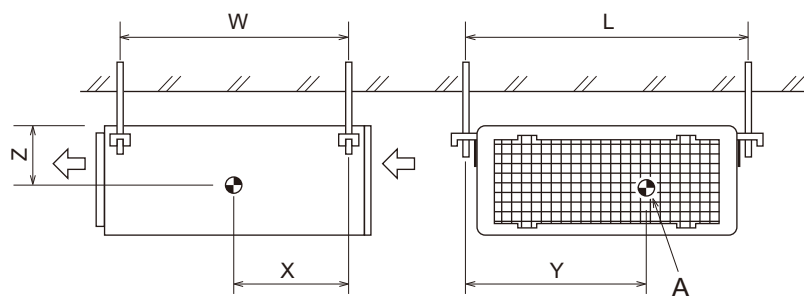
[Fig. 5] (Viewed from the direction of the arrow B)
<Suction filter box built-in-specification>



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

Model	K	L	M	N	P*
PEFY-P20,25,32VMAL-E4	700	50~150	800	1300	1450
PEFY-P40,50,63VMAL-E4	900	150~250	1000	1500	1850
PEFY-P71,80VMAL-E4	1100	250~350	1200	1700	
PEFY-P100,125VMAL-E4	1400	400~500	1500	2000	2150
PEFY-P140VMAL-E4	1600	500~600	1700	2200	2550

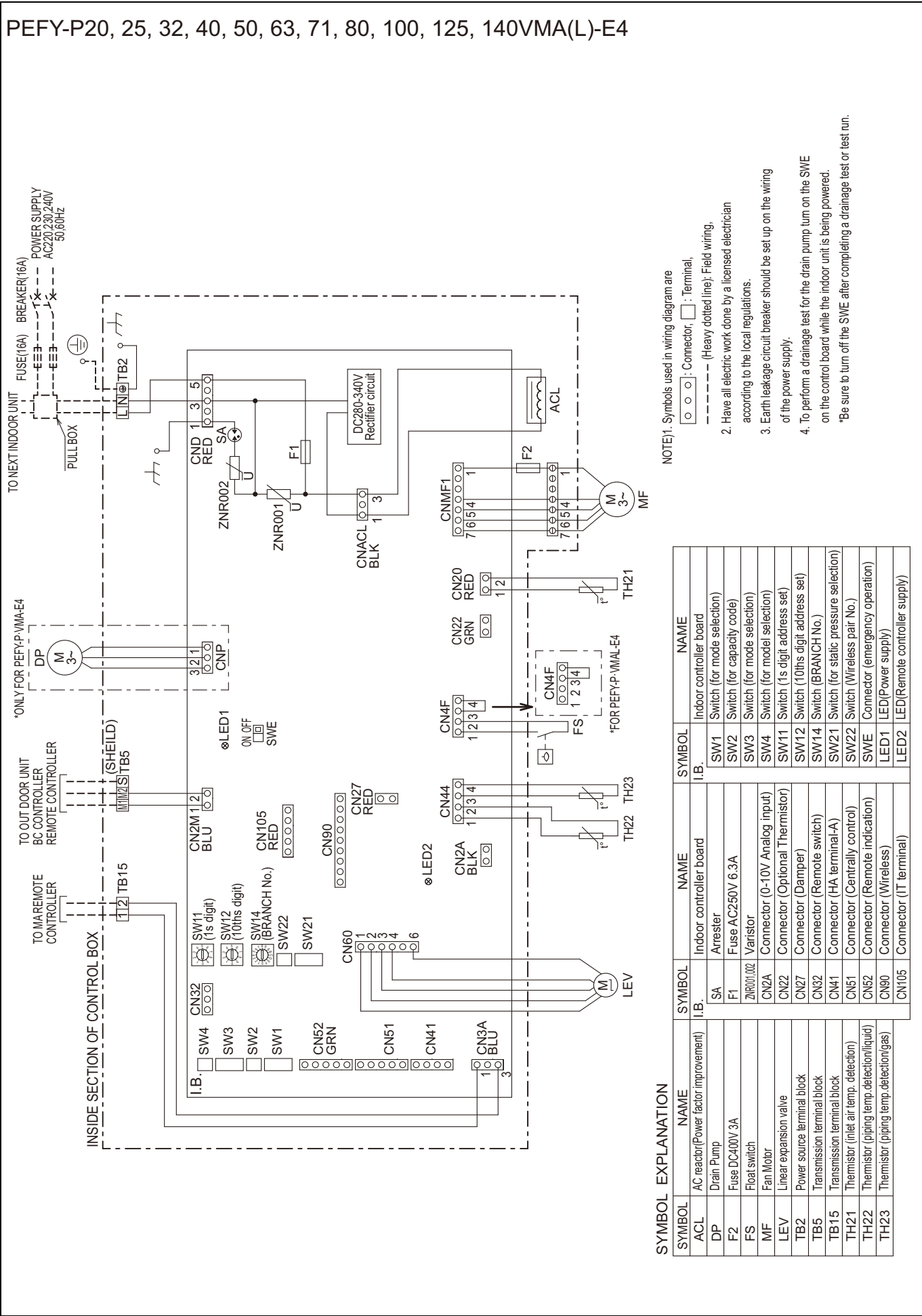
PEFY-P20, 25, 32, 40, 50, 63, 71, 80, 100, 125, 140VMA(L)-E4



A : Center of gravity

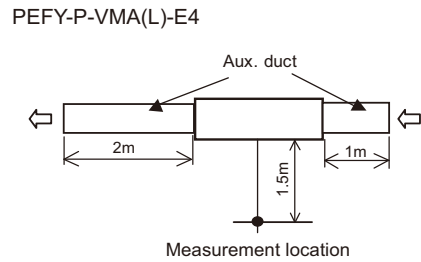
(mm) [in]

Model name	W	L	X	Y	Z
PEFY-P20VMA(L)-E4	643 [25 - 6/16]	754 [29 - 11/16]	330 [13]	300 [11 - 13/16]	130 [5 - 2/16]
PEFY-P25VMA(L)-E4	643 [25 - 6/16]	754 [29 - 11/16]	330 [13]	300 [11 - 13/16]	130 [5 - 2/16]
PEFY-P32VMA(L)-E4	643 [25 - 6/16]	754 [29 - 11/16]	330 [13]	300 [11 - 13/16]	130 [5 - 2/16]
PEFY-P40VMA(L)-E4	643 [25 - 6/16]	954 [37 - 9/16]	340 [13 - 7/16]	375 [14 - 13/16]	130 [5 - 2/16]
PEFY-P50VMA(L)-E4	643 [25 - 6/16]	954 [37 - 9/16]	340 [13 - 7/16]	375 [14 - 13/16]	130 [5 - 2/16]
PEFY-P63VMA(L)-E4	643 [25 - 6/16]	954 [37 - 9/16]	340 [13 - 7/16]	375 [14 - 13/16]	130 [5 - 2/16]
PEFY-P71VMA(L)-E4	643 [25 - 6/16]	1154 [45 - 7/16]	325 [12 - 13/16]	525 [20 - 11/16]	130 [5 - 2/16]
PEFY-P80VMA(L)-E4	643 [25 - 6/16]	1154 [45 - 7/16]	325 [12 - 13/16]	525 [20 - 11/16]	130 [5 - 2/16]
PEFY-P100VMA(L)-E4	643 [25 - 6/16]	1454 [57 - 4/16]	330 [13]	675 [26 - 10/16]	130 [5 - 2/16]
PEFY-P125VMA(L)-E4	643 [25 - 6/16]	1454 [57 - 4/16]	330 [13]	675 [26 - 10/16]	130 [5 - 2/16]
PEFY-P140VMA(L)-E4	643 [25 - 6/16]	1654 [65 - 2/16]	332 [13 - 2/16]	725 [28 - 9/16]	130 [5 - 2/16]



5-1. Sound levels

5-1-1. Sound levels (Measured point: With 1m air inlet duct and 2m air outlet duct)



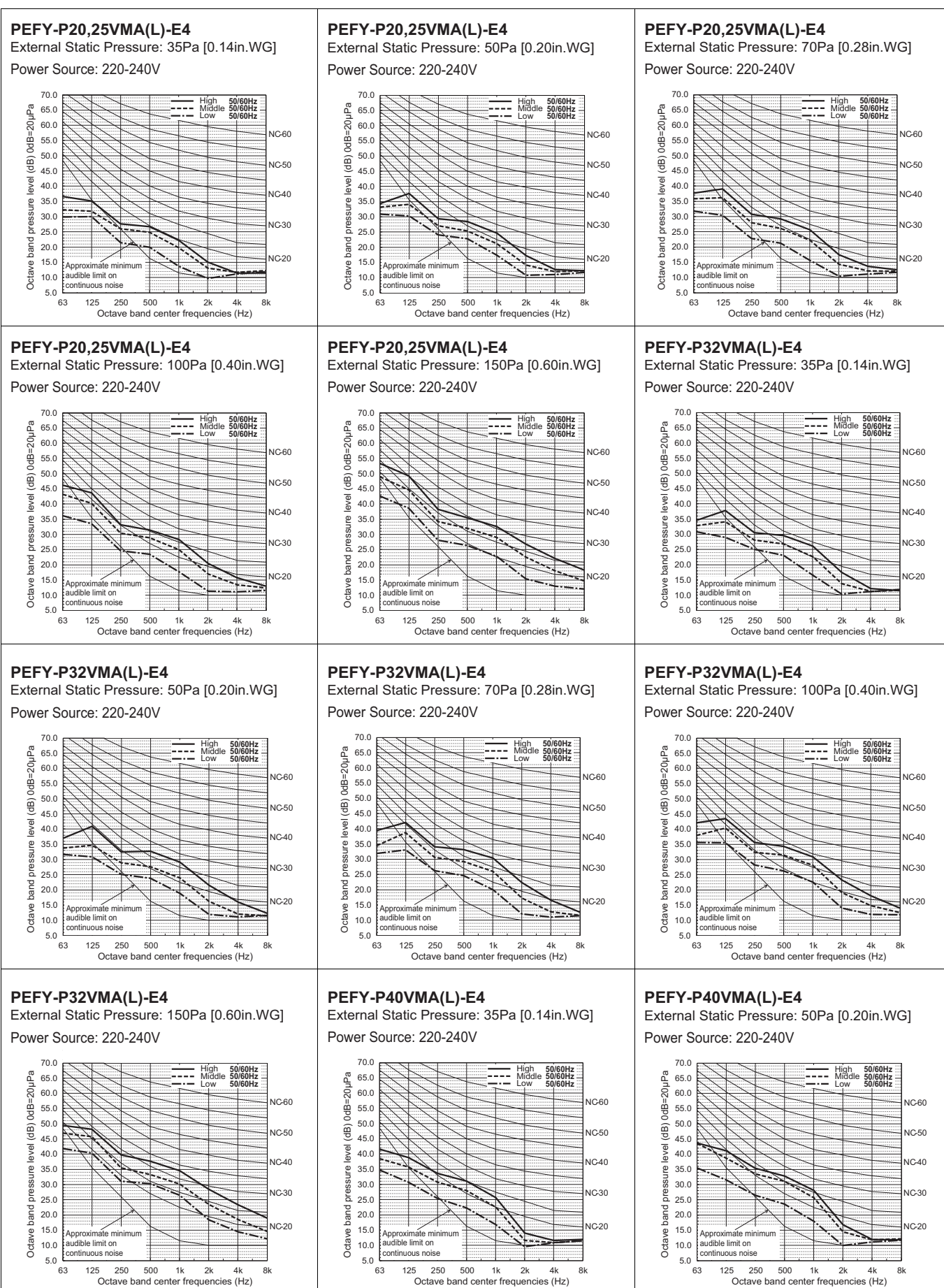
* Measured in anechoic room.

Sound level at anechoic room: Low-Mid-High

Model	Sound level dB(A)					
	35Pa	40Pa	50Pa	70Pa	100Pa	150Pa
PEFY-P20, 25VMA(L)-E4	22-26-28	-	24-27-30	23-28-31	25-31-34	29-35-39
PEFY-P32VMA(L)-E4	24-28-31	-	25-29-34	26-31-35	28-33-36	32-36-40
PEFY-P40VMA(L)-E4	24-29-32	-	25-32-34	28-32-36	30-34-38	33-38-42
PEFY-P50VMA(L)-E4	25-32-35	-	29-33-37	29-34-39	32-37-41	34-39-43
PEFY-P63VMA(L)-E4	28-32-36	-	31-34-39	31-36-40	33-38-42	36-41-45
PEFY-P71, 80VMA(L)-E4	-	26-32-35	30-33-36	30-34-38	31-36-40	34-40-43
PEFY-P100VMA(L)-E4	-	31-36-39	32-37-40	34-39-42	36-41-44	38-44-47
PEFY-P125VMA(L)-E4	-	34-38-40	35-39-41	35-40-42	36-41-43	39-44-46
PEFY-P140VMA(L)-E4	-	34-38-40	34-38-41	35-39-41	36-40-43	38-42-46

5-2. NC curves

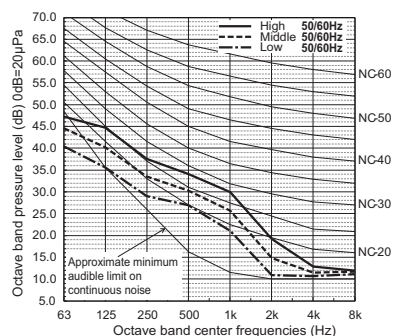
5-2-1. NC curves (Sound level measured point: With 1m air inlet duct and 2m air outlet duct)



PEFY-P40VMA(L)-E4

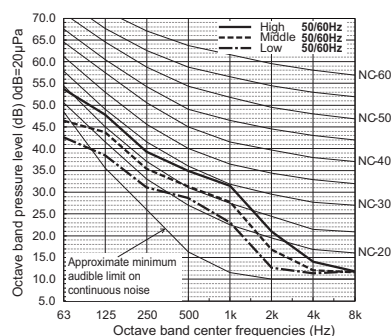
External Static Pressure: 70Pa [0.28in.WG]

Power Source: 220-240V

**PEFY-P40VMA(L)-E4**

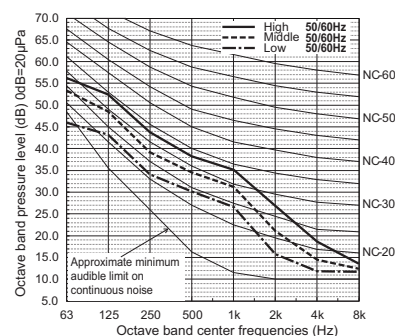
External Static Pressure: 100Pa [0.40in.WG]

Power Source: 220-240V

**PEFY-P40VMA(L)-E4**

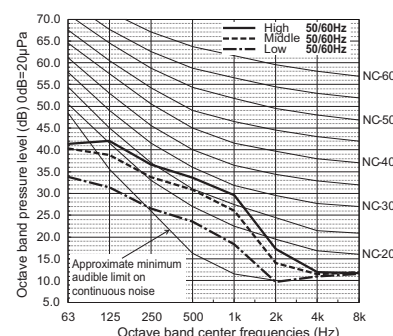
External Static Pressure: 150Pa [0.60in.WG]

Power Source: 220-240V

**PEFY-P50VMA(L)-E4**

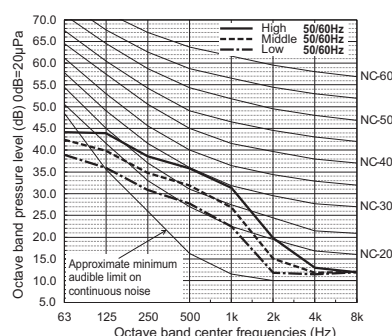
External Static Pressure: 35Pa [0.14in.WG]

Power Source: 220-240V

**PEFY-P50VMA(L)-E4**

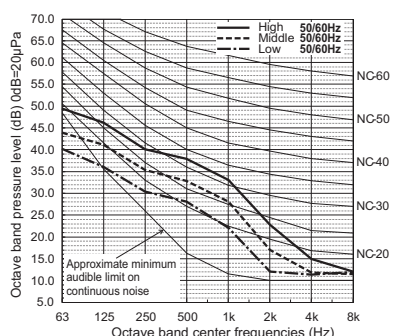
External Static Pressure: 50Pa [0.20in.WG]

Power Source: 220-240V

**PEFY-P50VMA(L)-E4**

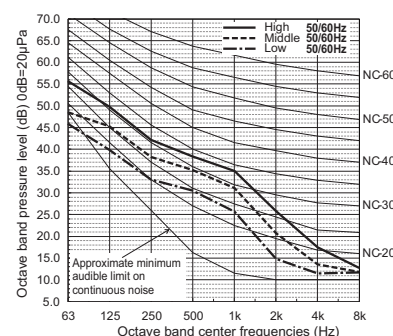
External Static Pressure: 70Pa [0.28in.WG]

Power Source: 220-240V

**PEFY-P50VMA(L)-E4**

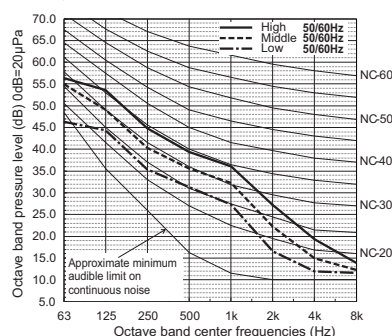
External Static Pressure: 100Pa [0.40in.WG]

Power Source: 220-240V

**PEFY-P50VMA(L)-E4**

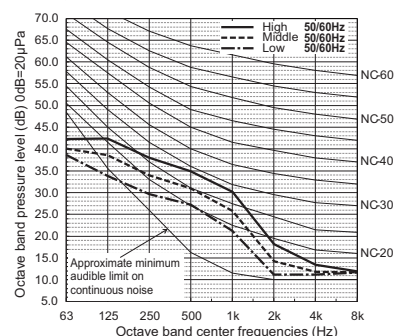
External Static Pressure: 150Pa [0.60in.WG]

Power Source: 220-240V

**PEFY-P63VMA(L)-E4**

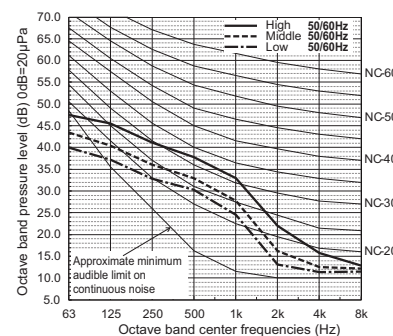
External Static Pressure: 35Pa [0.14in.WG]

Power Source: 220-240V

**PEFY-P63VMA(L)-E4**

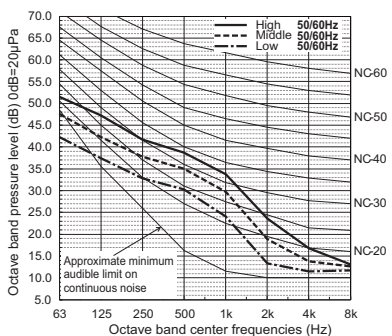
External Static Pressure: 50Pa [0.20in.WG]

Power Source: 220-240V

**PEFY-P63VMA(L)-E4**

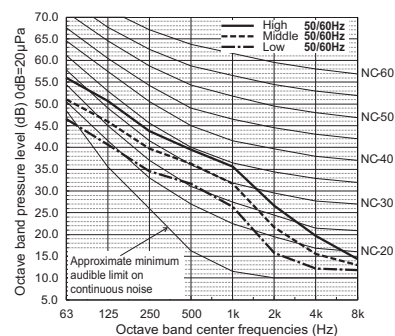
External Static Pressure: 70Pa [0.28in.WG]

Power Source: 220-240V

**PEFY-P63VMA(L)-E4**

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

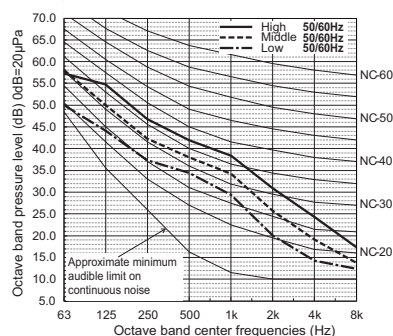
Power Source: 220-240V



PEFY-P63VMA(L)-E4

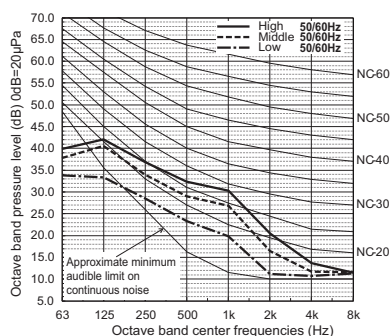
External Static Pressure: 150Pa [0.60in.WG]

Power Source: 220-240V

**PEFY-P71,80VMA(L)-E4**

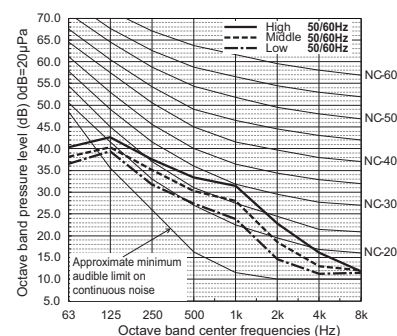
External Static Pressure: 40Pa [0.16in.WG]

Power Source: 220-240V

**PEFY-P71,80VMA(L)-E4**

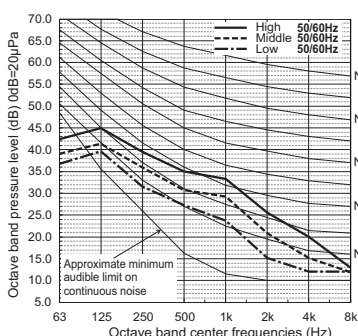
External Static Pressure: 50Pa [0.20in.WG]

Power Source: 220-240V

**PEFY-P71,80VMA(L)-E4**

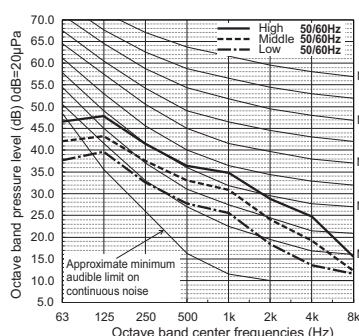
External Static Pressure: 70Pa [0.28in.WG]

Power Source: 220-240V

**PEFY-P71,80VMA(L)-E4**

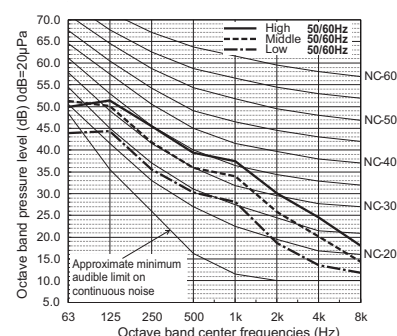
External Static Pressure: 100Pa [0.40in.WG]

Power Source: 220-240V

**PEFY-P71,80VMA(L)-E4**

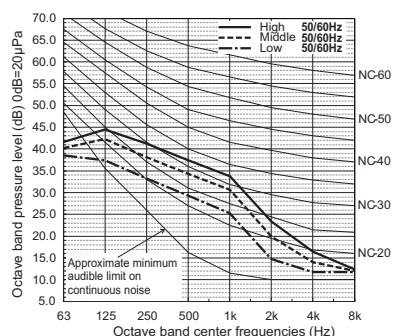
External Static Pressure: 150Pa [0.60in.WG]

Power Source: 220-240V

**PEFY-P100VMA(L)-E4**

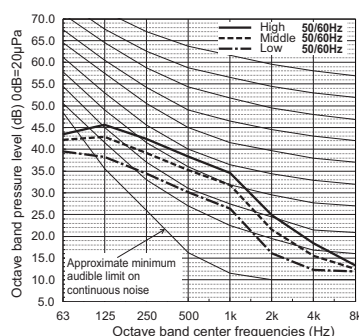
External Static Pressure: 40Pa [0.16in.WG]

Power Source: 220-240V

**PEFY-P100VMA(L)-E4**

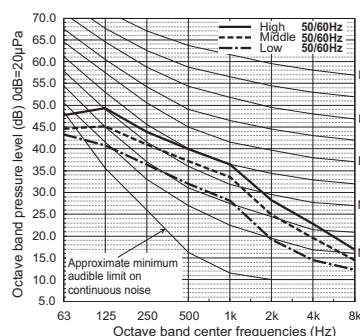
External Static Pressure: 50Pa [0.20in.WG]

Power Source: 220-240V

**PEFY-P100VMA(L)-E4**

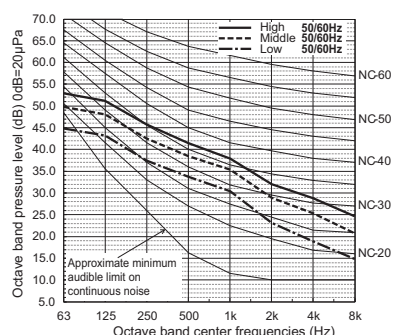
External Static Pressure: 70Pa [0.28in.WG]

Power Source: 220-240V

**PEFY-P100VMA(L)-E4**

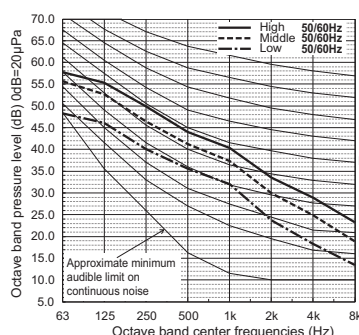
External Static Pressure: 100Pa [0.40in.WG]

Power Source: 220-240V

**PEFY-P100VMA(L)-E4**

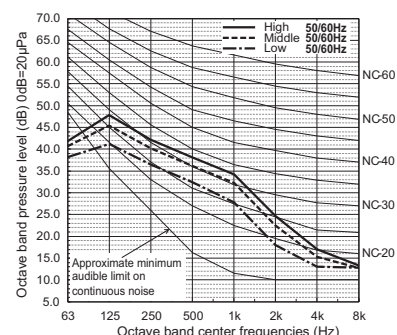
External Static Pressure: 150Pa [0.60in.WG]

Power Source: 220-240V

**PEFY-P125VMA(L)-E4**

External Static Pressure: 40Pa [0.16in.WG]

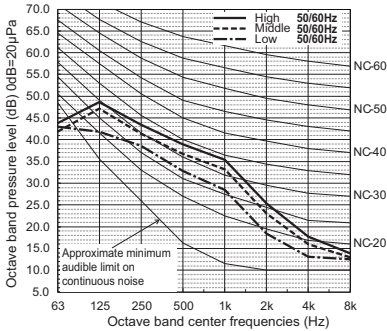
Power Source: 220-240V



PEFY-P-VMA(L)-E4

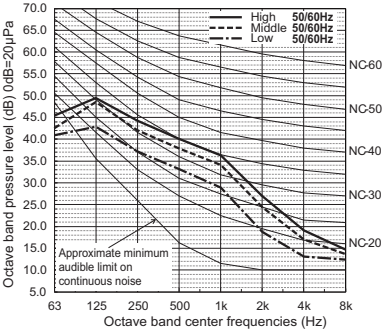
PEFY-P125VMA(L)-E4

External Static Pressure: 50Pa [0.20in.WG]
Power Source: 220-240V



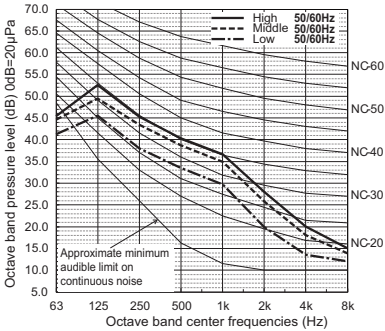
PEFY-P125VMA(L)-E4

External Static Pressure: 70Pa [0.28in.WG]
Power Source: 220-240V



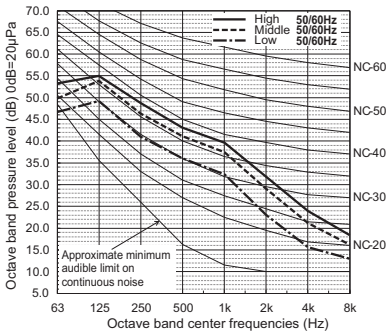
PEFY-P125VMA(L)-E4

External Static Pressure: 100Pa [0.40in.WG]
Power Source: 220-240V



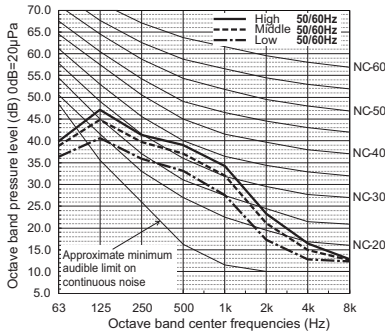
PEFY-P125VMA(L)-E4

External Static Pressure: 150Pa [0.60in.WG]
Power Source: 220-240V



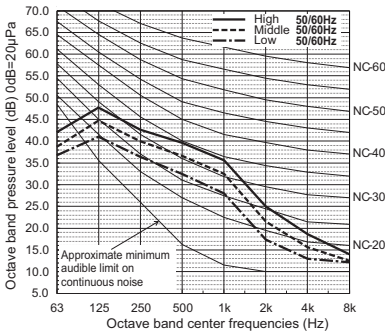
PEFY-P140VMA(L)-E4

External Static Pressure: 40Pa [0.16in.WG]
Power Source: 220-240V



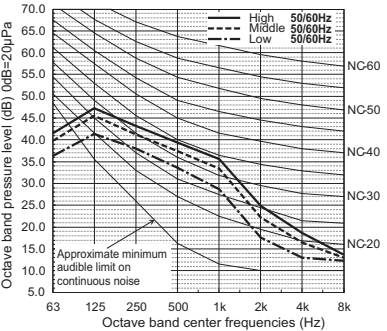
PEFY-P140VMA(L)-E4

External Static Pressure: 50Pa [0.20in.WG]
Power Source: 220-240V



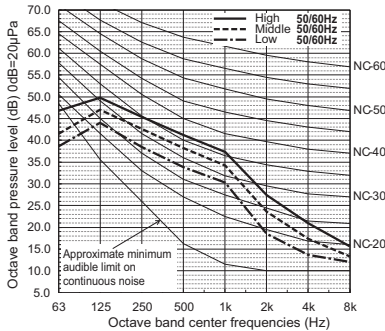
PEFY-P140VMA(L)-E4

External Static Pressure: 70Pa [0.28in.WG]
Power Source: 220-240V



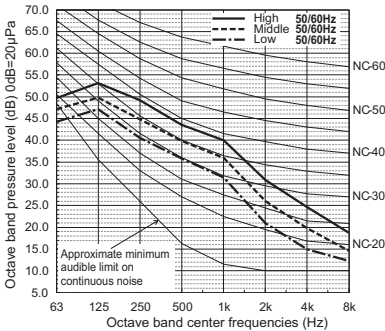
PEFY-P140VMA(L)-E4

External Static Pressure: 100Pa [0.40in.WG]
Power Source: 220-240V



PEFY-P140VMA(L)-E4

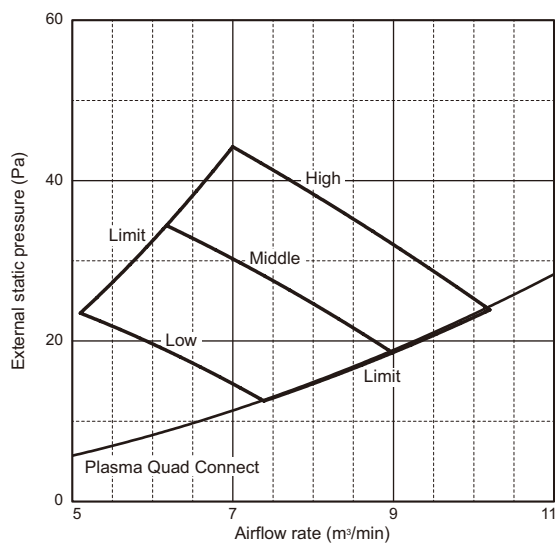
External Static Pressure: 150Pa [0.60in.WG]
Power Source: 220-240V



PEFY-P20, 25VMA(L)-E4

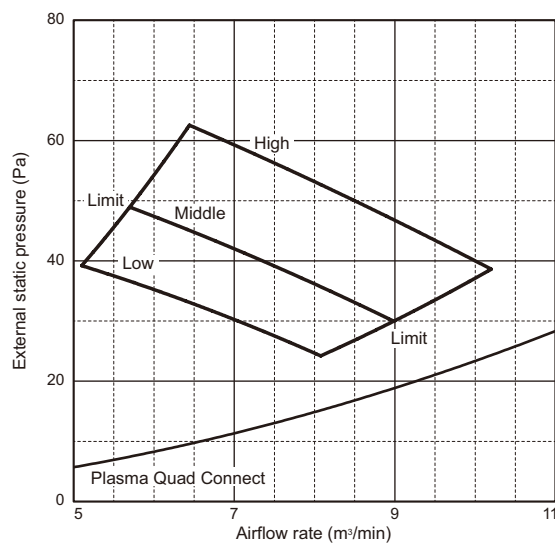
External static pressure : 35Pa

Power source : 220-240V

**PEFY-P20, 25VMA(L)-E4**

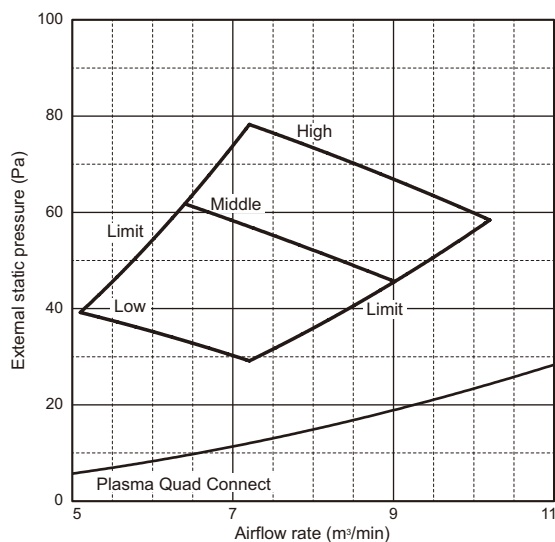
External static pressure : 50Pa

Power source : 220-240V

**PEFY-P20, 25VMA(L)-E4**

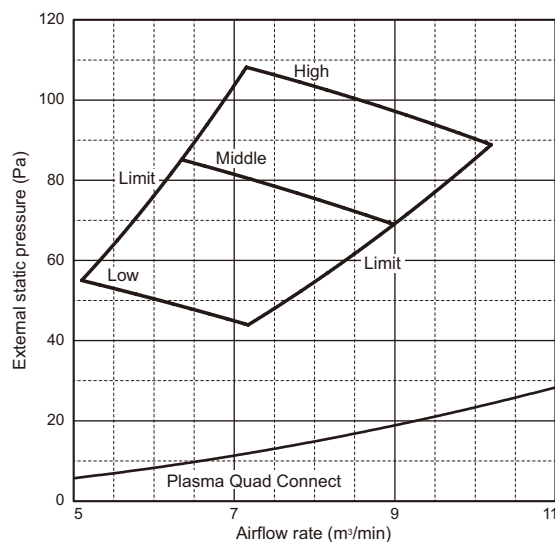
External static pressure : 70Pa

Power source : 220-240V

**PEFY-P20, 25VMA(L)-E4**

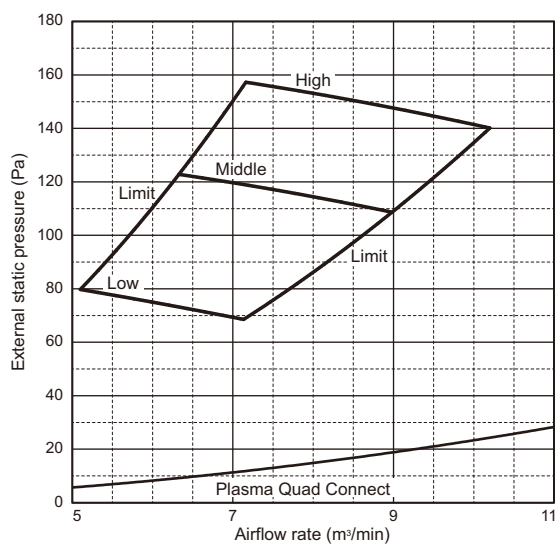
External static pressure : 100Pa

Power source : 220-240V

**PEFY-P20, 25VMA(L)-E4**

External static pressure : 150Pa

Power source : 220-240V



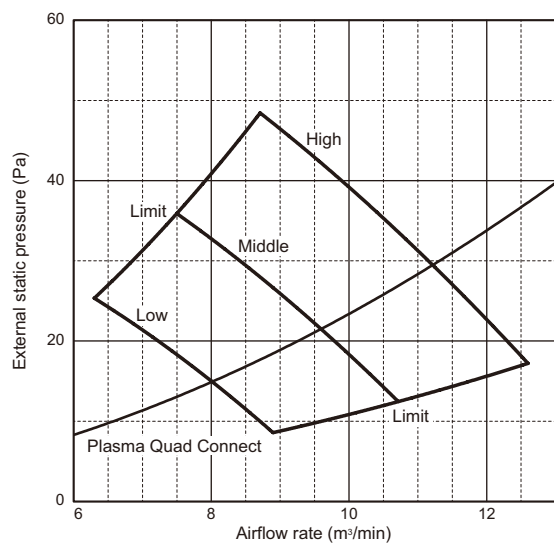
6. FAN CHARACTERISTICS CURVES

Ceiling concealed (Medium static pressure type)

PEFY-P-VMA(L)-E4

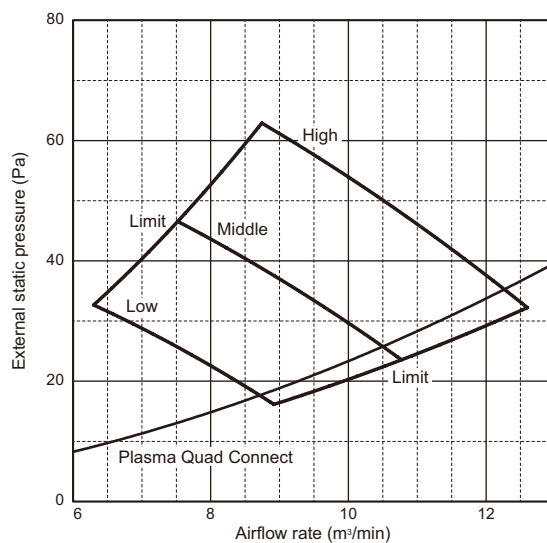
PEFY-P32VMA(L)-E4

External static pressure : 35Pa
Power source : 220-240V



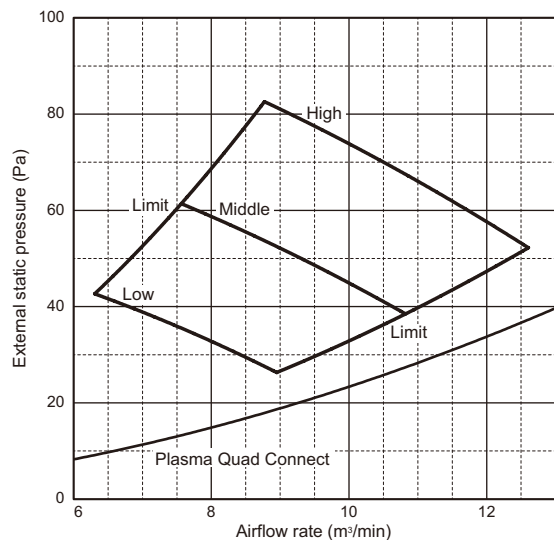
PEFY-P32VMA(L)-E4

External static pressure : 50Pa
Power source : 220-240V



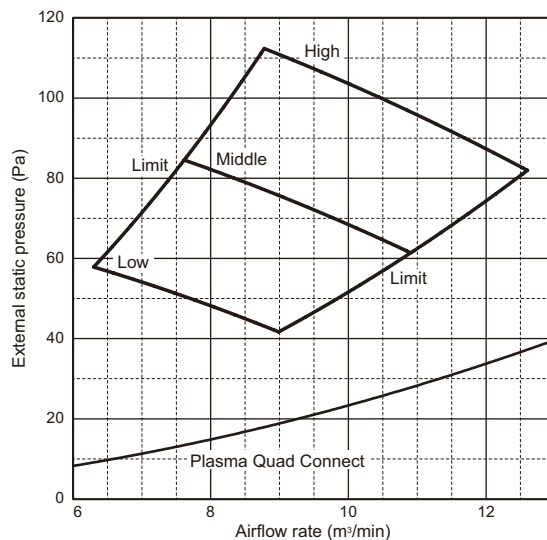
PEFY-P32VMA(L)-E4

External static pressure : 70Pa
Power source : 220-240V



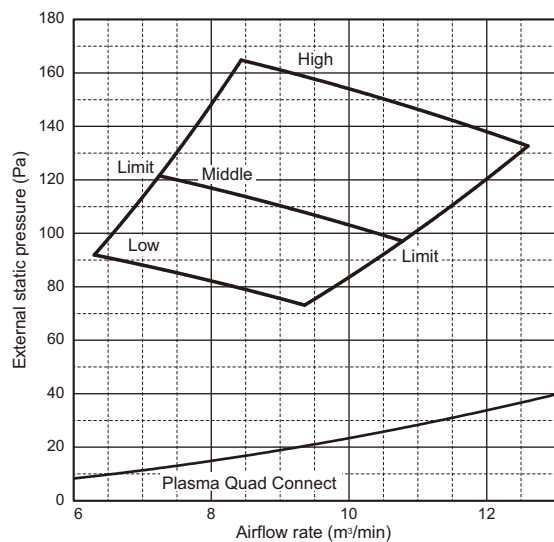
PEFY-P32VMA(L)-E4

External static pressure : 100Pa
Power source : 220-240V



PEFY-P32VMA(L)-E4

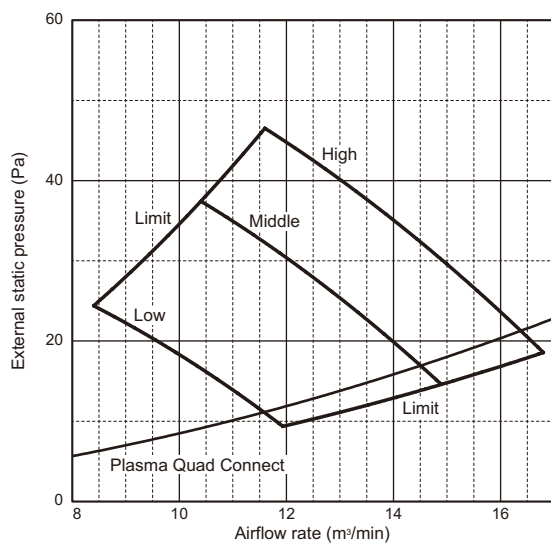
External static pressure : 150Pa
Power source : 220-240V



PEFY-P40VMA(L)-E4

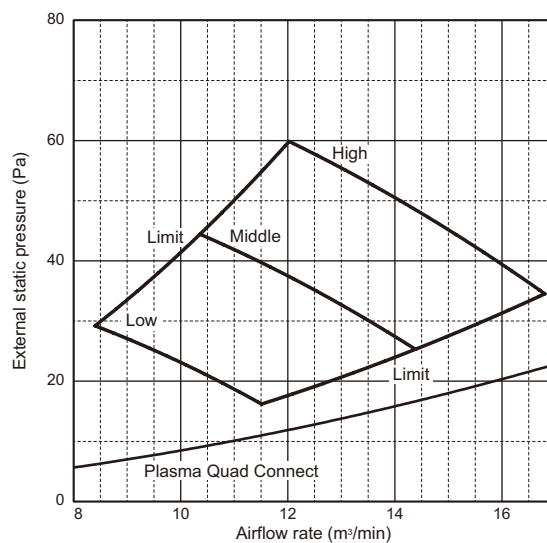
External static pressure : 35Pa

Power source : 220-240V

**PEFY-P40VMA(L)-E4**

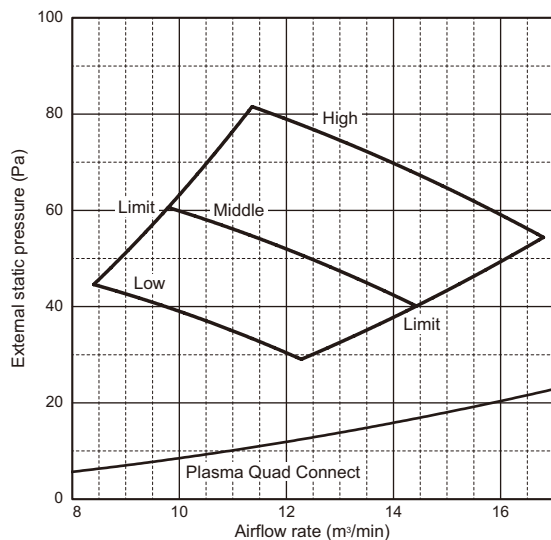
External static pressure : 50Pa

Power source : 220-240V

**PEFY-P40VMA(L)-E4**

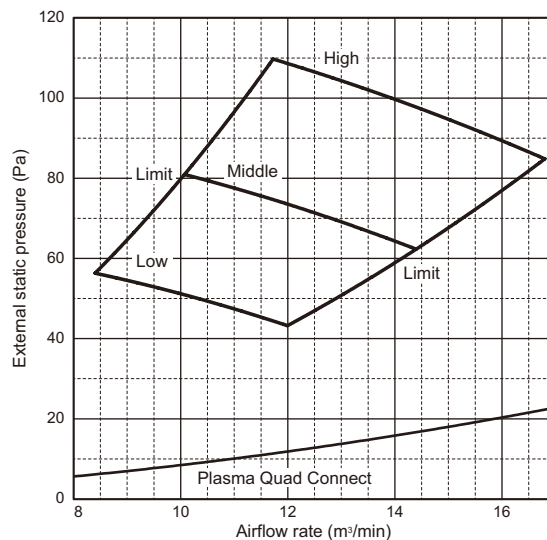
External static pressure : 70Pa

Power source : 220-240V

**PEFY-P40VMA(L)-E4**

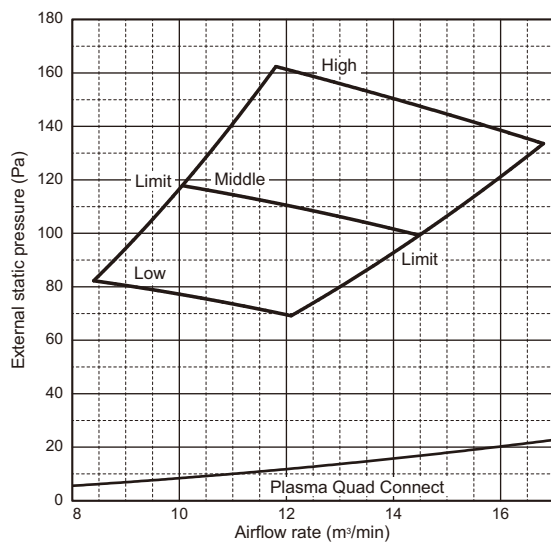
External static pressure : 100Pa

Power source : 220-240V

**PEFY-P40VMA(L)-E4**

External static pressure : 150Pa

Power source : 220-240V



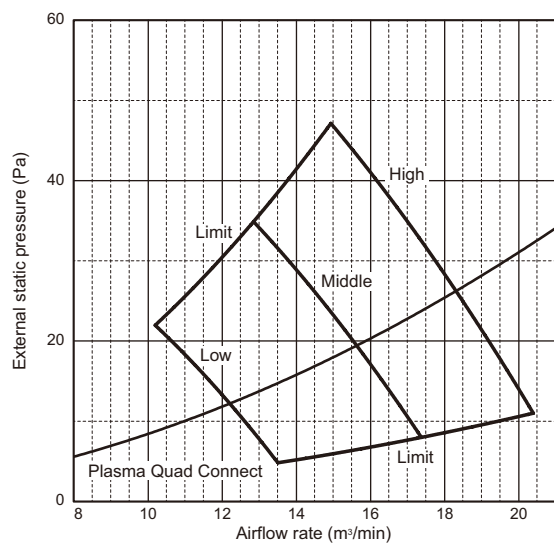
6. FAN CHARACTERISTICS CURVES

Ceiling concealed (Medium static pressure type)

PEFY-P-VMA(L)-E4

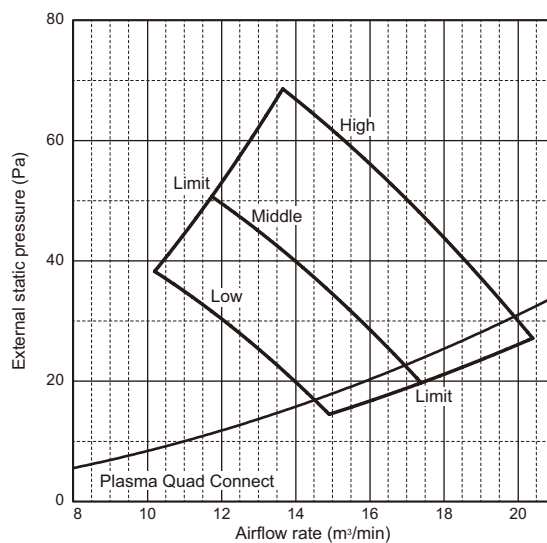
PEFY-P50VMA(L)-E4

External static pressure : 35Pa
Power source : 220-240V



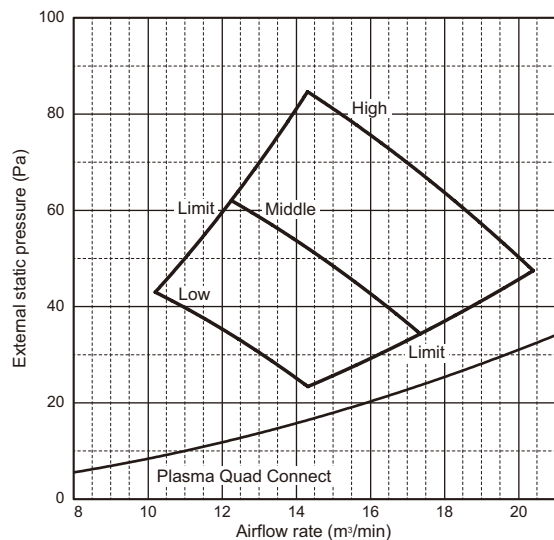
PEFY-P50VMA(L)-E4

External static pressure : 50Pa
Power source : 220-240V



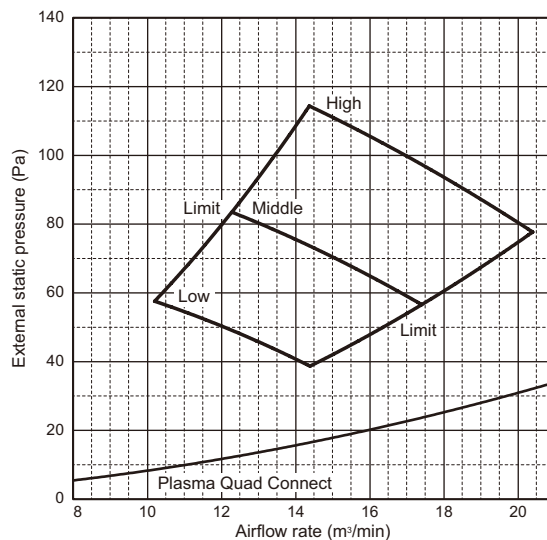
PEFY-P50VMA(L)-E4

External static pressure : 70Pa
Power source : 220-240V



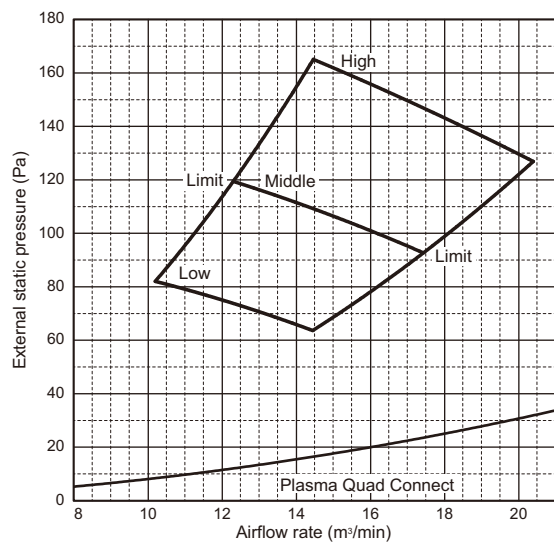
PEFY-P50VMA(L)-E4

External static pressure : 100Pa
Power source : 220-240V



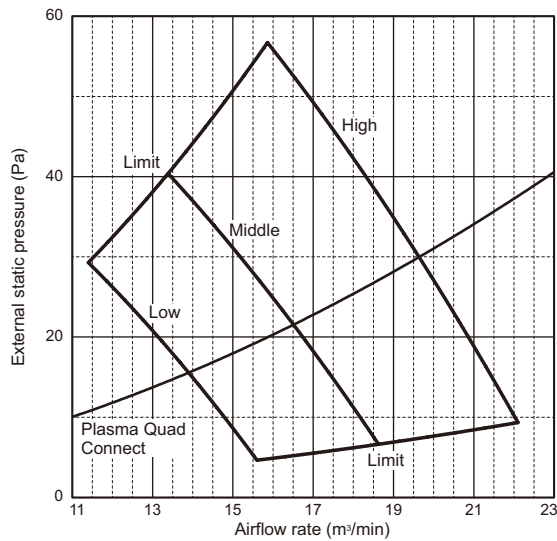
PEFY-P50VMA(L)-E4

External static pressure : 150Pa
Power source : 220-240V



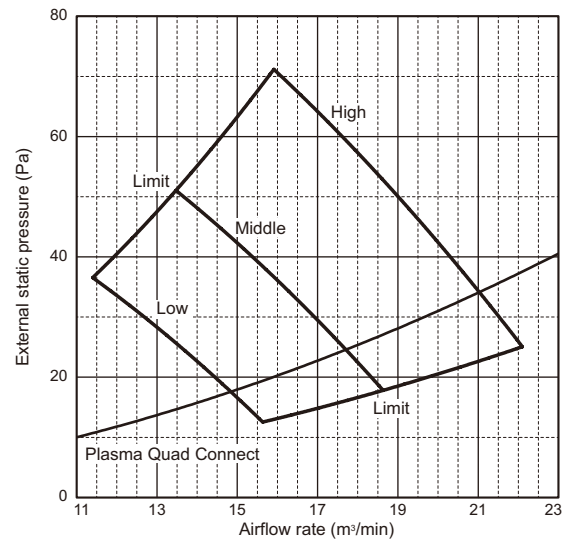
PEFY-P63VMA(L)-E4

External static pressure : 35Pa
Power source : 220-240V



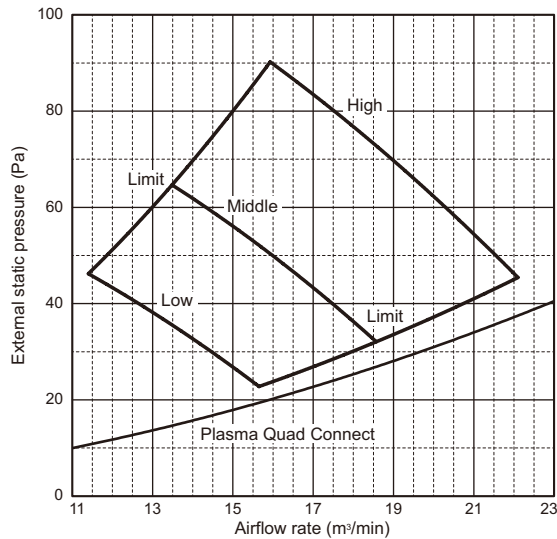
PEFY-P63VMA(L)-E4

External static pressure : 50Pa
Power source : 220-240V



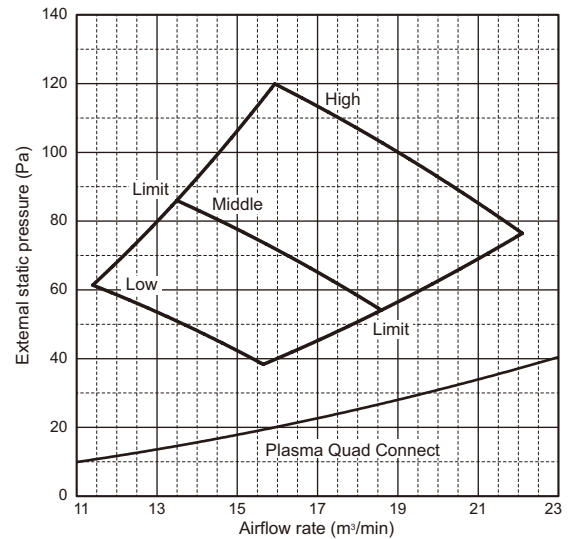
PEFY-P63VMA(L)-E4

External static pressure : 70Pa
Power source : 220-240V



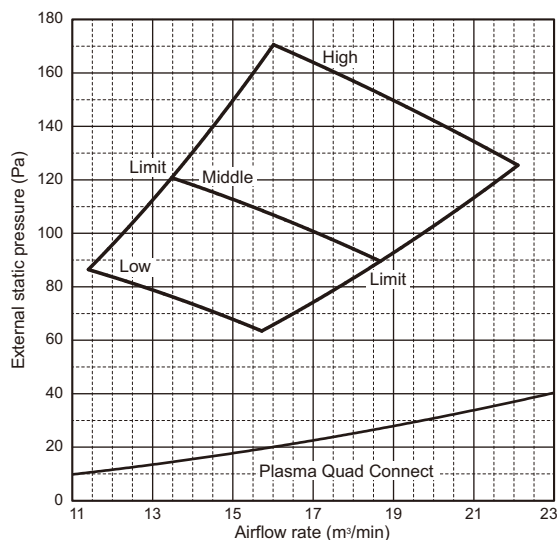
PEFY-P63VMA(L)-E4

External static pressure : 100Pa
Power source : 220-240V



PEFY-P63VMA(L)-E4

External static pressure : 150Pa
Power source : 220-240V



6. FAN CHARACTERISTICS CURVES

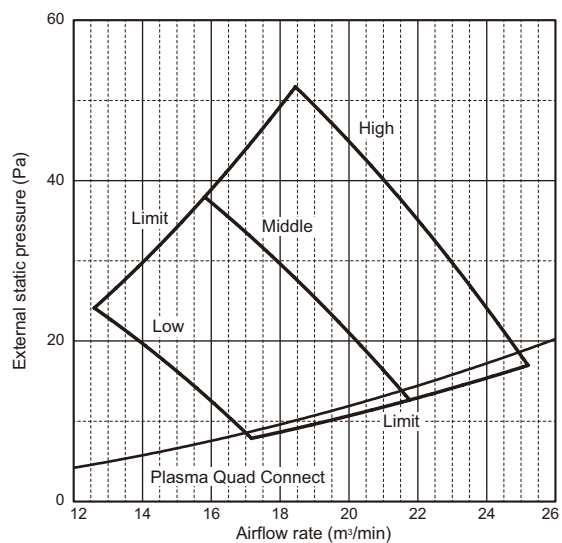
Ceiling concealed (Medium static pressure type)

PEFY-P-VMA(L)-E4

PEFY-P71, 80VMA(L)-E4

External static pressure : 40Pa

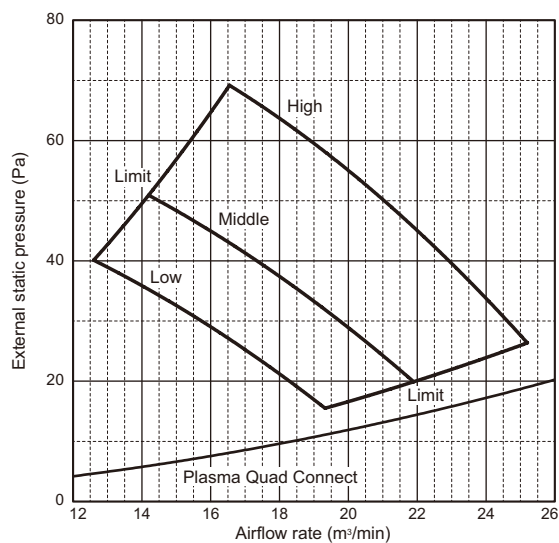
Power source : 220-240V



PEFY-P71, 80VMA(L)-E4

External static pressure : 50Pa

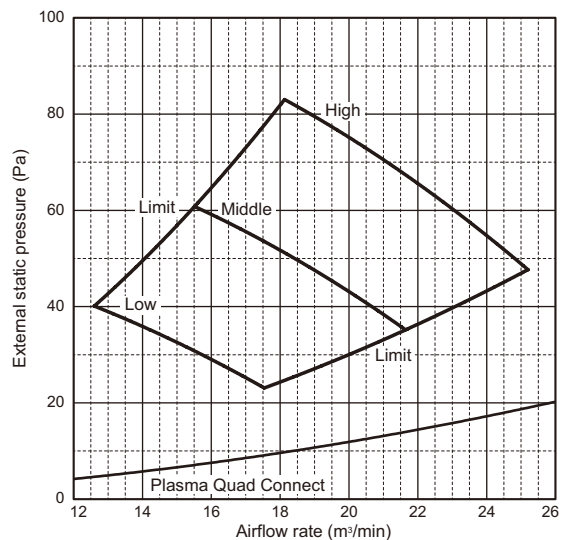
Power source : 220-240V



PEFY-P71, 80VMA(L)-E4

External static pressure : 70Pa

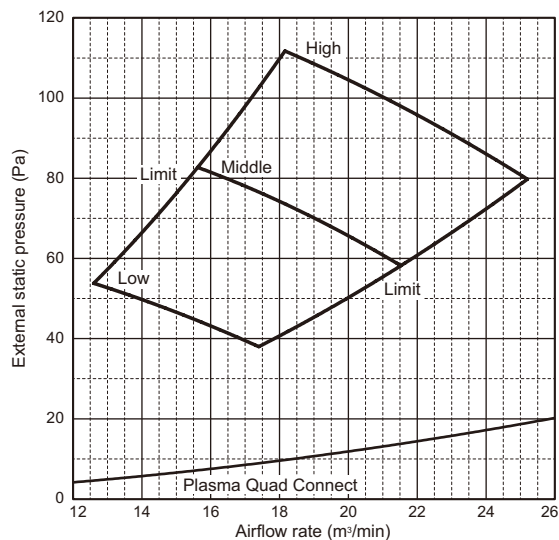
Power source : 220-240V



PEFY-P71, 80VMA(L)-E4

External static pressure : 100Pa

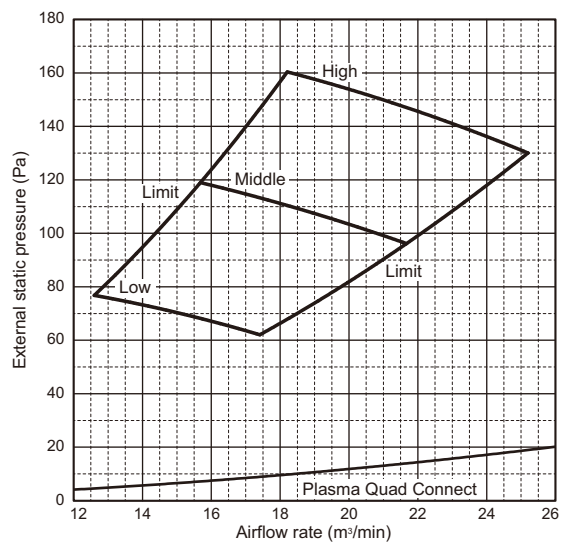
Power source : 220-240V



PEFY-P71, 80VMA(L)-E4

External static pressure : 150Pa

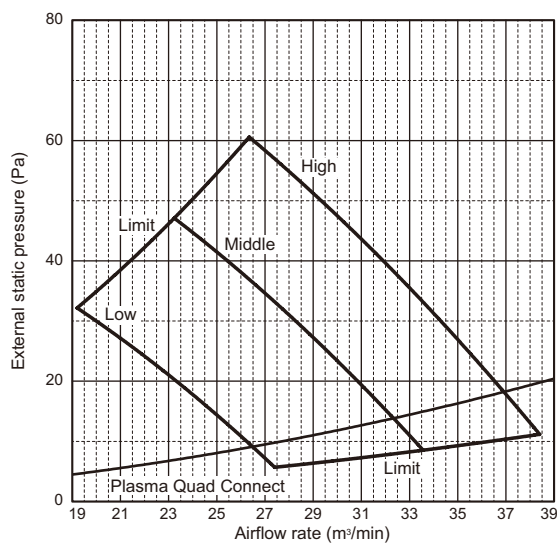
Power source : 220-240V



PEFY-P100VMA(L)-E4

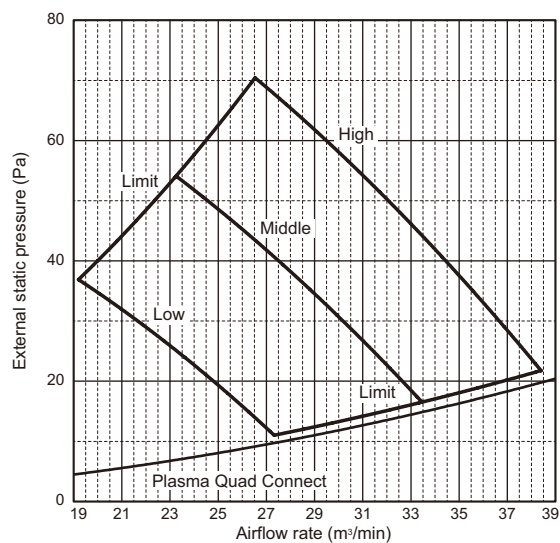
External static pressure : 40Pa

Power source : 220-240V

**PEFY-P100VMA(L)-E4**

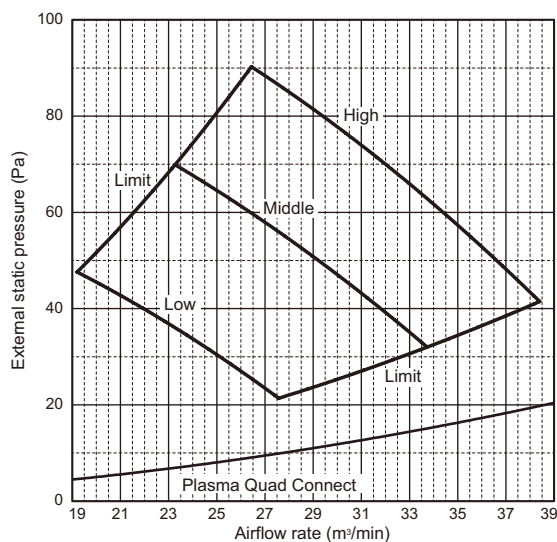
External static pressure : 50Pa

Power source : 220-240V

**PEFY-P100VMA(L)-E4**

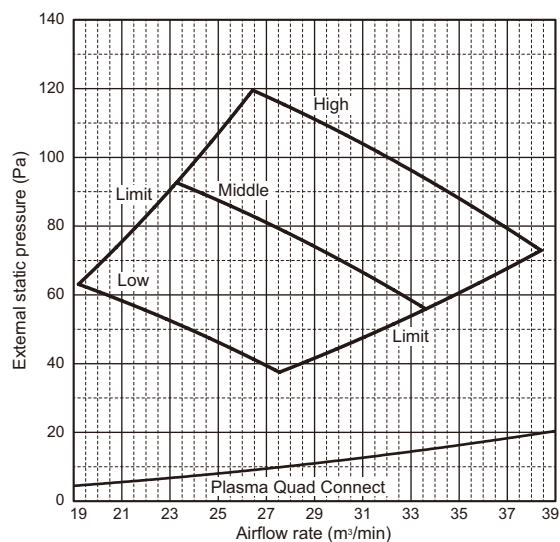
External static pressure : 70Pa

Power source : 220-240V

**PEFY-P100VMA(L)-E4**

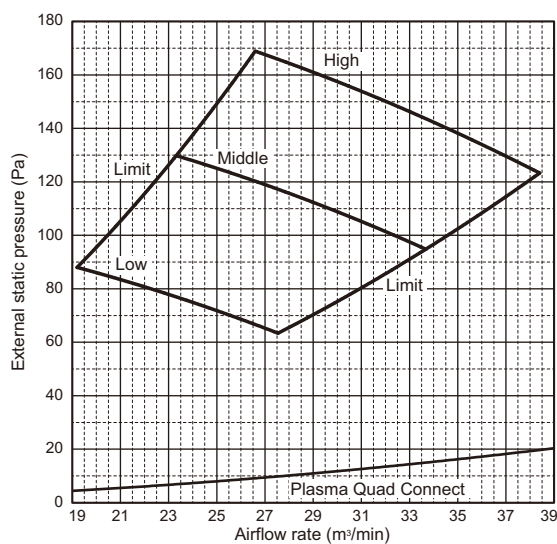
External static pressure : 100Pa

Power source : 220-240V

**PEFY-P100VMA(L)-E4**

External static pressure : 150Pa

Power source : 220-240V



6. FAN CHARACTERISTICS CURVES

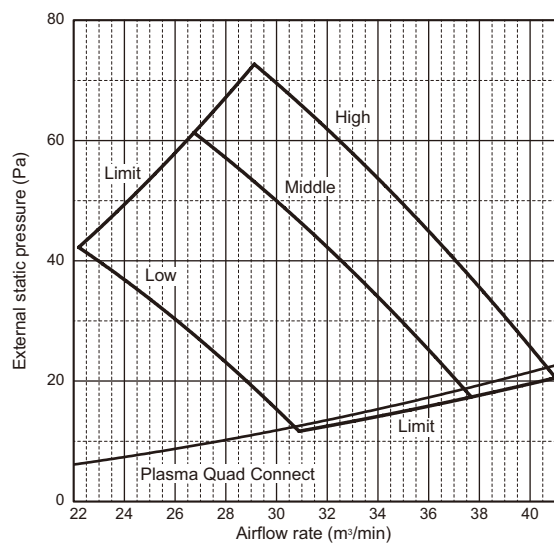
Ceiling concealed (Medium static pressure type)

PEFY-P-VMA(L)-E4

PEFY-P125VMA(L)-E4

External static pressure : 40Pa

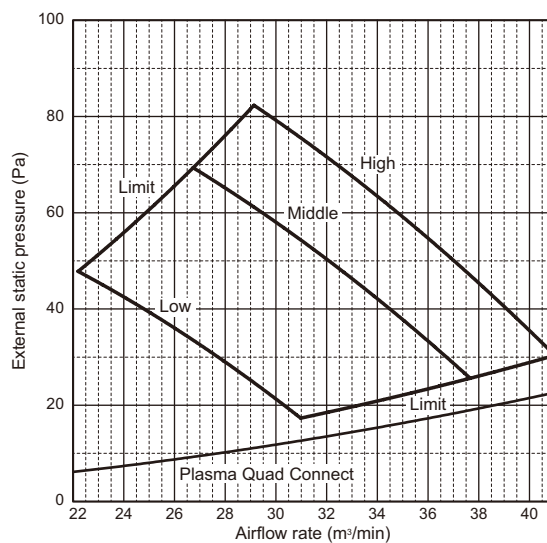
Power source : 220-240V



PEFY-P125VMA(L)-E4

External static pressure : 50Pa

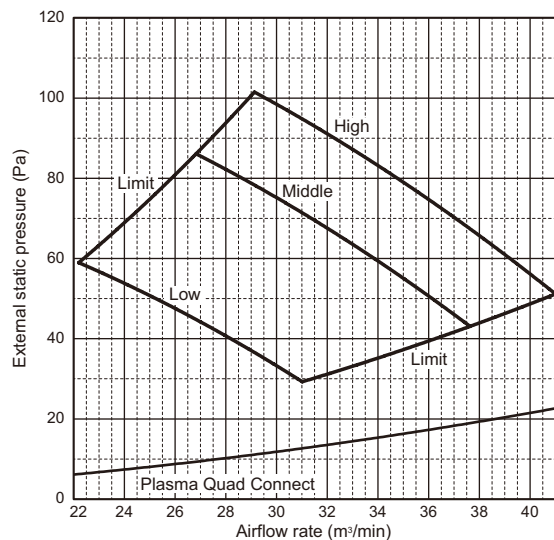
Power source : 220-240V



PEFY-P125VMA(L)-E4

External static pressure : 70Pa

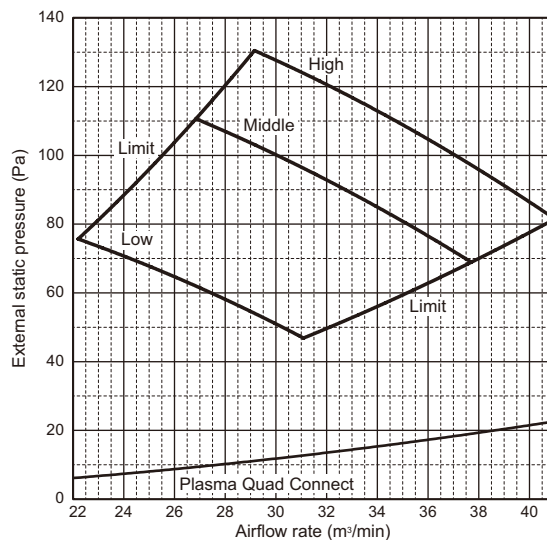
Power source : 220-240V



PEFY-P125VMA(L)-E4

External static pressure : 100Pa

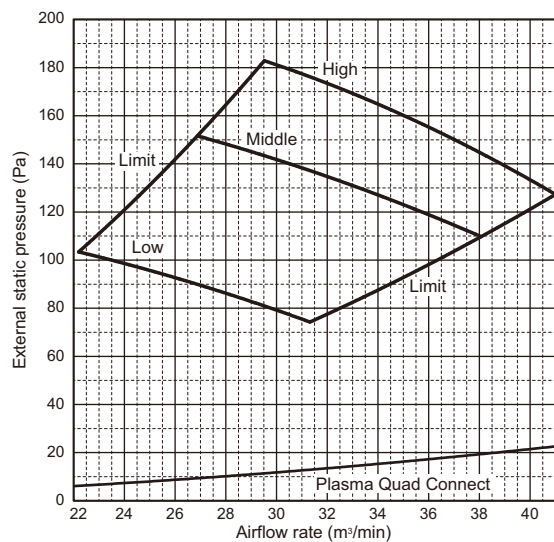
Power source : 220-240V



PEFY-P125VMA(L)-E4

External static pressure : 150Pa

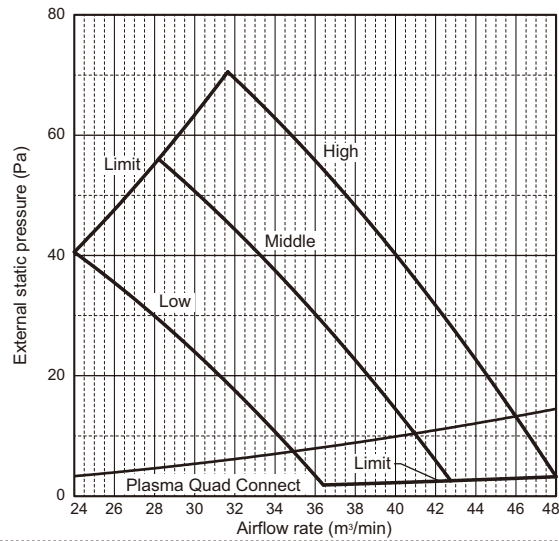
Power source : 220-240V



PEFY-P140VMA(L)-E4

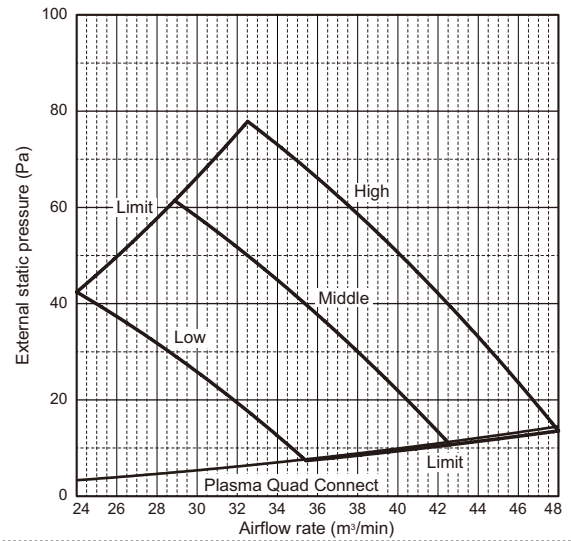
External static pressure : 40Pa

Power source : 220-240V

**PEFY-P140VMA(L)-E4**

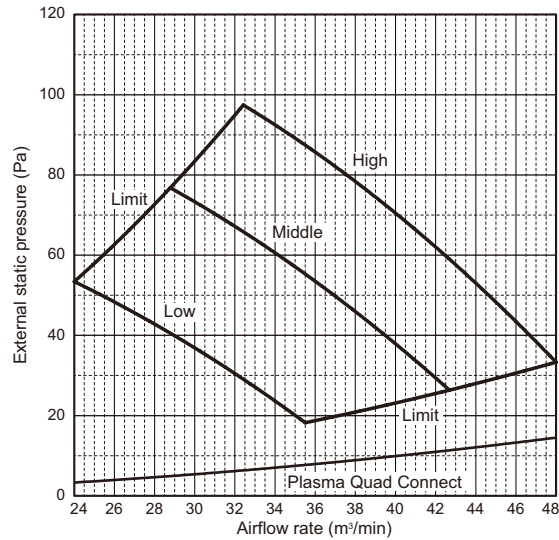
External static pressure : 50Pa

Power source : 220-240V

**PEFY-P140VMA(L)-E4**

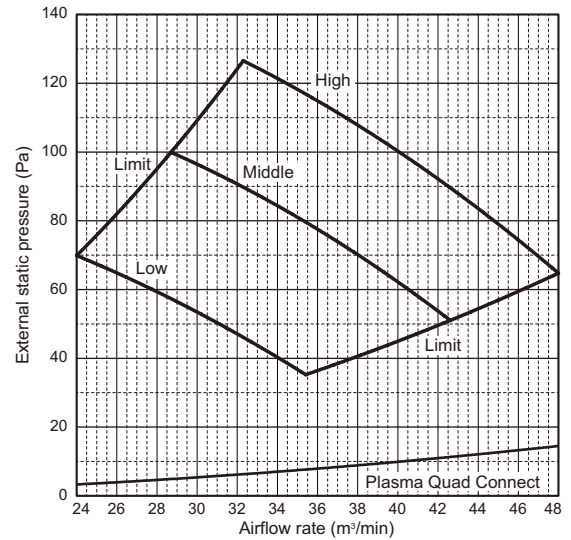
External static pressure : 70Pa

Power source : 220-240V

**PEFY-P140VMA(L)-E4**

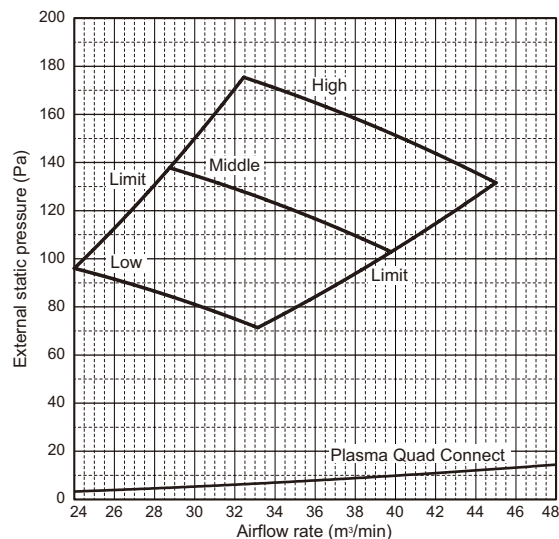
External static pressure : 100Pa

Power source : 220-240V

**PEFY-P140VMA(L)-E4**

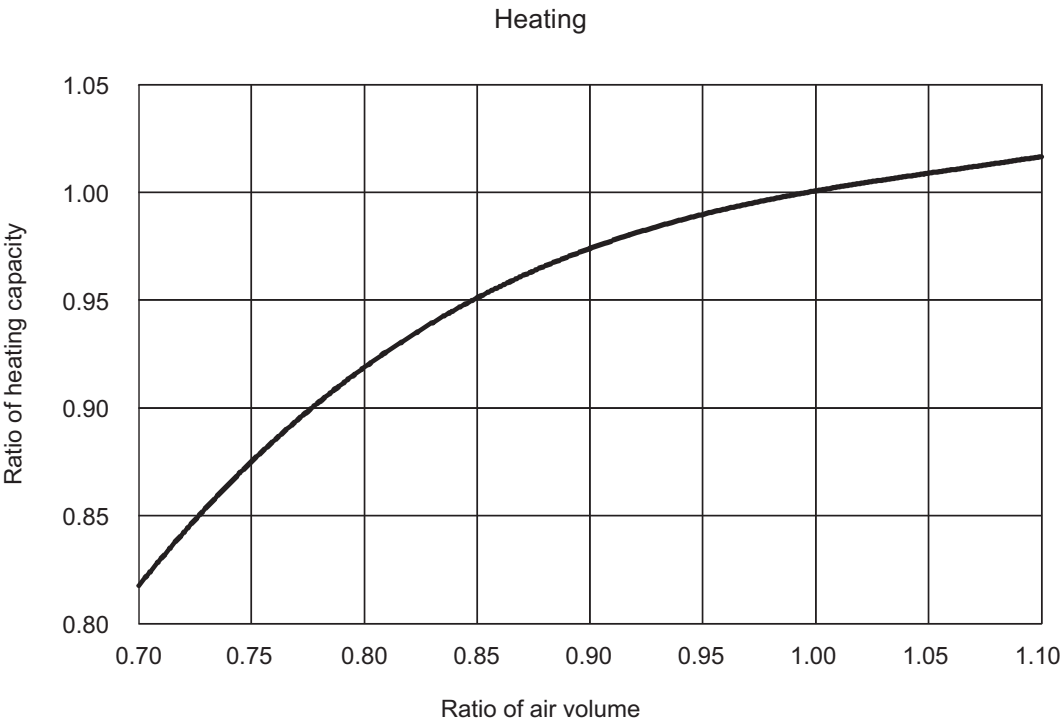
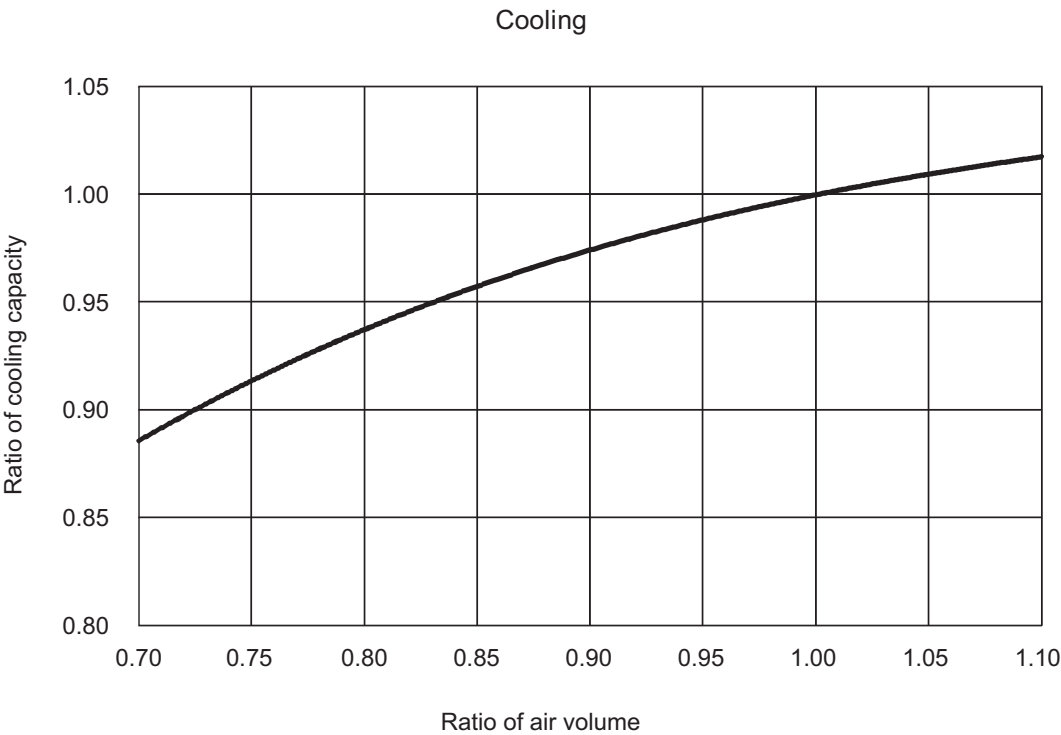
External static pressure : 150Pa

Power source : 220-240V



7-1. Correction by fan speed

PEFY-P-VMA(L)-E4



Symbols: MCA (Max.Circuit Amps =1.25xFLA), FLA (Full Load Amps)
IFM (Indoor Fan Motor), Output (Fan motor rated output)

PEFY-P-VMA(L)-E4	Power supply			IFM	
	Volts/Hz	Range +-10%	MCA (A)	Output (kW)	FLA (A)
PEFY-P20VMA(L)-E4	220-240V/50Hz 220-240V/60Hz	Max.: 264V Min.: 198V	0.93	0.085	0.74
PEFY-P25VMA(L)-E4			0.93	0.085	0.74
PEFY-P32VMA(L)-E4			1.19	0.085	0.95
PEFY-P40VMA(L)-E4			1.45	0.121	1.16
PEFY-P50VMA(L)-E4			1.55	0.121	1.24
PEFY-P63VMA(L)-E4			1.69	0.121	1.35
PEFY-P71VMA(L)-E4			2.31	0.121	1.85
PEFY-P80VMA(L)-E4			2.38	0.121	1.90
PEFY-P100VMA(L)-E4			2.81	0.300	2.25
PEFY-P125VMA(L)-E4			2.93	0.300	2.34
PEFY-P140VMA(L)-E4			3.29	0.300	2.63

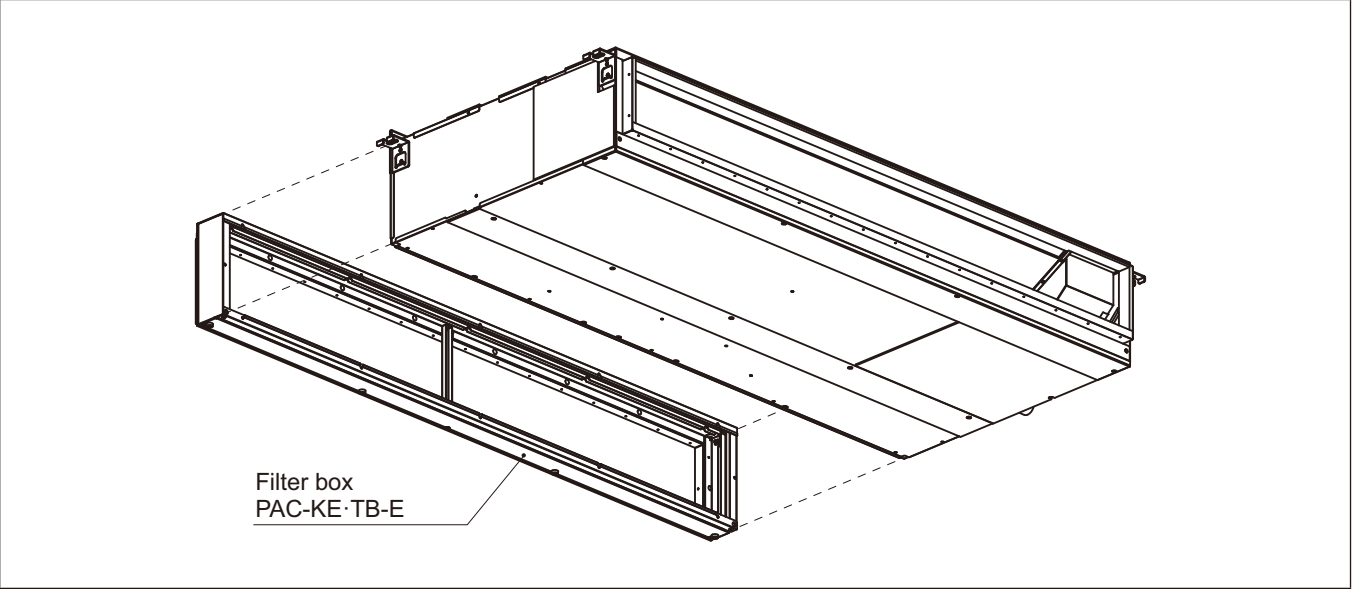
PEFY-P-VMA(L)-E4

PEFY-P-VMA(L)-E4

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

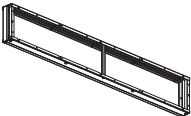
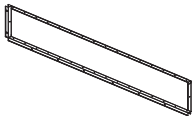
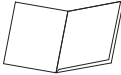
	Filter box	Plasma Quad Connect	PQ attachment (Rear inlet)	PQ attachment (Bottom inlet)	PQ box
PEFY-P20, 25, 32VMA(L)-E4	PAC-KE91TB-E	MAC-100FT-E	PAC-HA31PAR	PAC-HA31PAU	PAC-KE91PTB-E
PEFY-P40, 50, 63VMA(L)-E4	PAC-KE92TB-E	MAC-100FT-E	PAC-HA31PAR	PAC-HA31PAU	PAC-KE92PTB-E
PEFY-P71, 80VMA(L)-E4	PAC-KE93TB-E	MAC-100FT-E	PAC-HA31PAR	PAC-HA31PAU	PAC-KE93PTB-E
PEFY-P100, 125VMA(L)-E4	PAC-KE94TB-E	MAC-100FT-E	PAC-HA31PAR	PAC-HA31PAU	PAC-KE94PTB-E
PEFY-P140VMA(L)-E4	PAC-KE95TB-E	MAC-100FT-E	PAC-HA31PAR	PAC-HA31PAU	PAC-KE95PTB-E

● PEFY-P-VMA(L)-E4



9-2. Filter box

PAC-KE-TB-E

Item	1 Screw	2 Filter box	3 FLANGE	4 Installation manual	
Quantity	30	1	1	1	
Shape					

Detailed installation information should be referred to its Installation Manual.

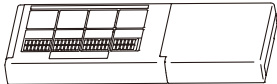
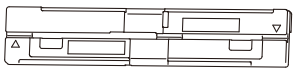
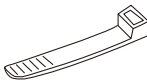
9-3. Plasma Quad Connect

Static pressure loss is referred to 6 "FAN CHARACTERISTICS CURVES".

Plasma Quad Connect (MAC-100FT-E) should be used together with PQ box or PQ attachment (PAC-HA31PAR or PAC-HA31PAU).

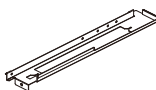
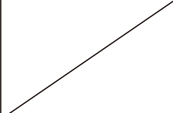
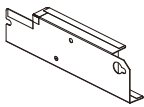
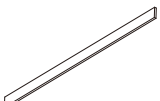
*Attaching the Plasma Quad Connect increases the pressure loss. Adjust the external static pressure setting as necessary. For the adjustment procedure, see the Installation Manual for the indoor unit.

Plasma Quad Connect (MAC-100FT-E)

Item	Plasma Quad Connect (with connecting cable)	Installation plate	Fixing screw for Plasma Quad Connect and Installation plate 4 × 25 mm
Quantity	1	1	5
Shape			
Item	Spacer Note: The spacer is used as packaging material.	Mounting cord clamp	Cable tie
Quantity	1	1	1
Shape			
Item	Screw for Mounting cord clamp 4 × 16 (Use when joining room air conditioner parts)		
Quantity	1		
Shape			

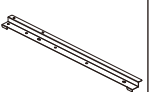
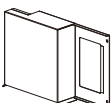
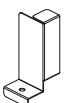
Detailed installation information should be referred to its Installation Manual.

PQ attachment (Rear inlet) (PAC-HA31PAR)

Item	PLATE 1	PLATE 2	PLATE 3	PLATE 4	Screw (4 × 10)	Screw (5 × 10)	RUBBER PLATE
Quantity	1	—	1	1	3	2	2
Shape							

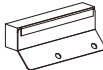
Detailed installation information should be referred to its Installation Manual.

PQ attachment (Bottom inlet) (PAC-HA31PAU)

Item	PLATE 1	PLATE 2	PLATE 3	PLATE 4	Screw (4 × 10)	CABLE STRAP	WIRE SADDLE	RUBBER PLATE
Quantity	1	1	1	1	9	1	1	2
Shape								

Detailed installation information should be referred to its Installation Manual.

PQ box (PAC-KE91, 92, 93, 94, 95PTB-E)

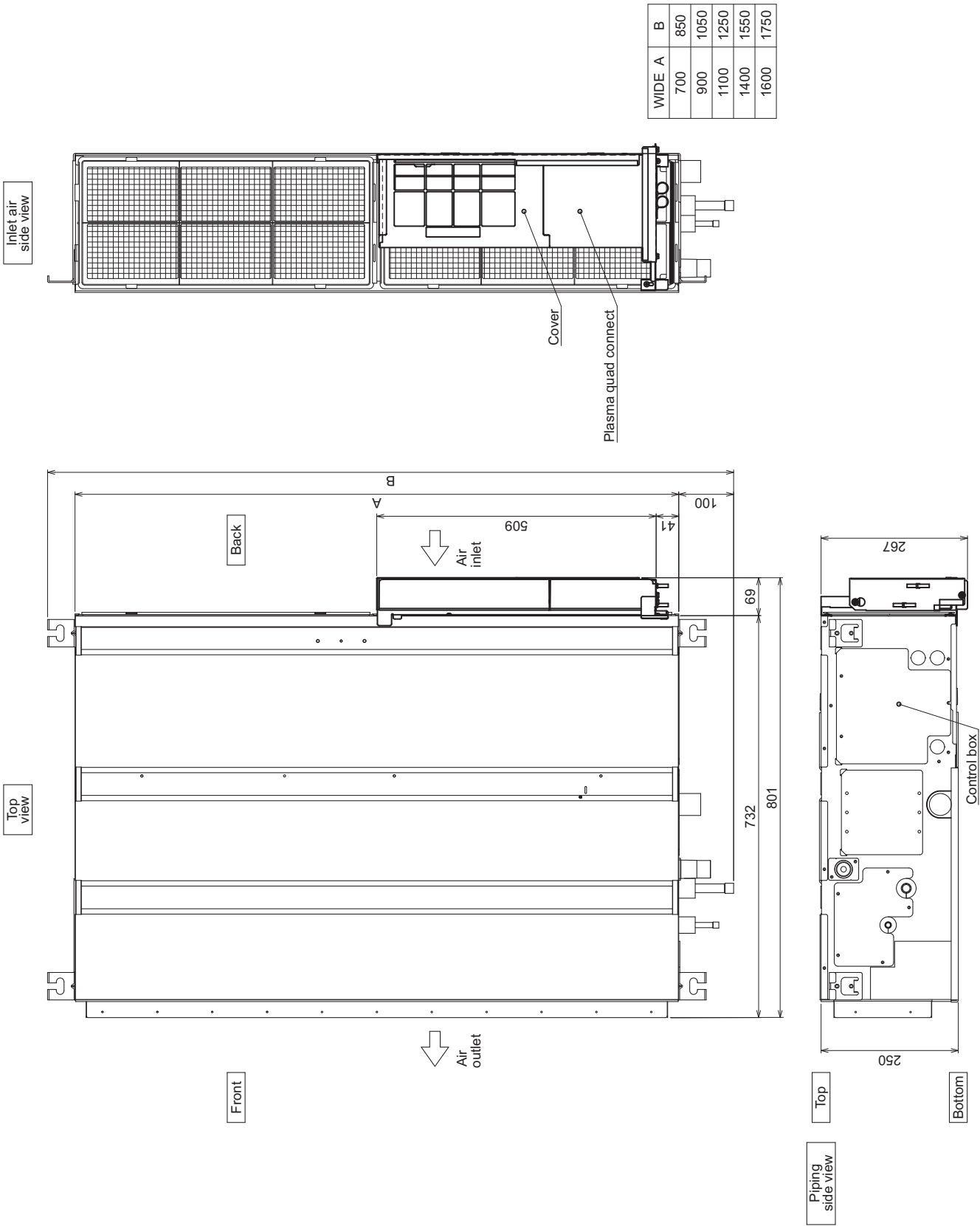
Item	Screw (4 × 10)	CABLE STRAP	SUCTION FLANGE	WIRING COVER	RUBBER PLATE
Quantity	22 (PAC-KE91PTB-E) 26 (PAC-KE92, 93PTB-E) 32 (PAC-KE94, 95PTB-E)	2	1	1	2
Shape					

Detailed installation information should be referred to its Installation Manual.

PEFY-P-VMA(L)-E4

PEFY-P20, 25, 32, 40, 50, 63, 71, 80, 100, 125, 140VMA(L)-E4
with PQ attachment (Rear inlet) and Plasma Quad Connect

Unit: mm



Model	WIDE A	B
PEFY-P20,25,32VMA(L)-E4	700	850
PEFY-P40,50,63VMA(L)-E4	900	1050
PEFY-P71,80VMA(L)-E4	1100	1250

Model	WIDE A	B
PEFY-P100,125VMA(L)-E4	1400	1550
PEFY-P140VMA(L)-E4	1600	1750

The drawing above is a sample image of the optional parts being installed on a unit.

PEFY-P20, 25, 32, 40, 50, 63, 71, 80, 100, 125, 140VMA(L)-E4
with PQ attachment (Rear inlet) and Plasma Quad Connect

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 control box in one of the following ways.

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

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

- Create access door 1 and 2 (450x450mm each) as shown in Fig. 2.

(Access door 2 is not required if enough space is available below the unit for a maintenance worker to work in.)

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

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

- Create access door 1 diagonally below the control box and access door 3 below the unit as shown in Fig. 4.

or

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

(3) For maintenance if there is more than 170mm from the top surface, the cover can be pulled out without removing the PQ attachment. (Fig. 1, Fig. 3)

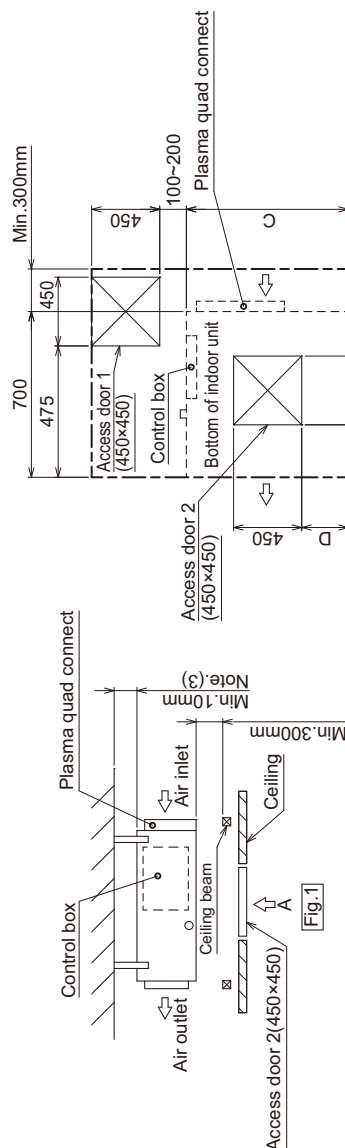


Fig. 1

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

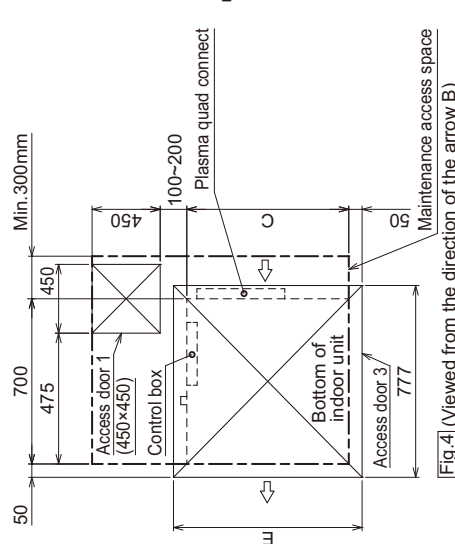


Fig. 2

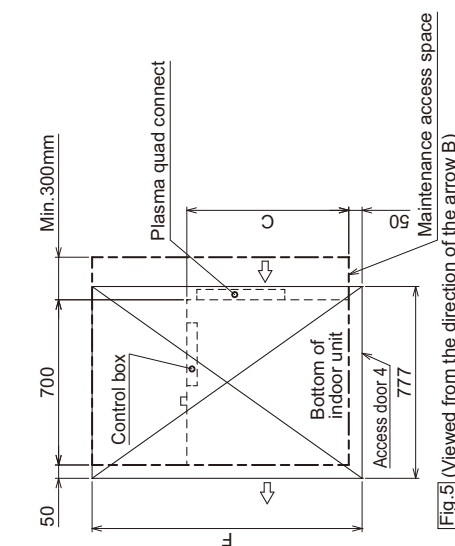


Fig. 3

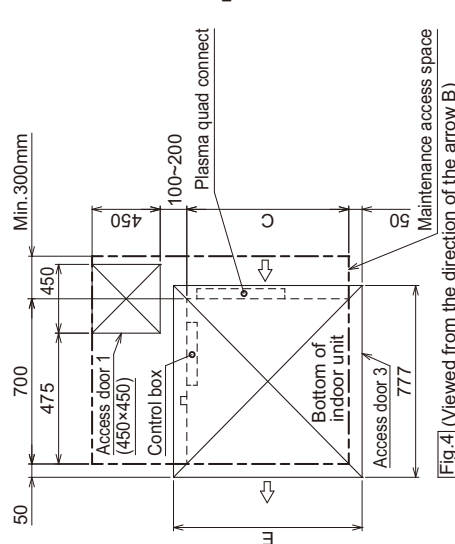


Fig. 4

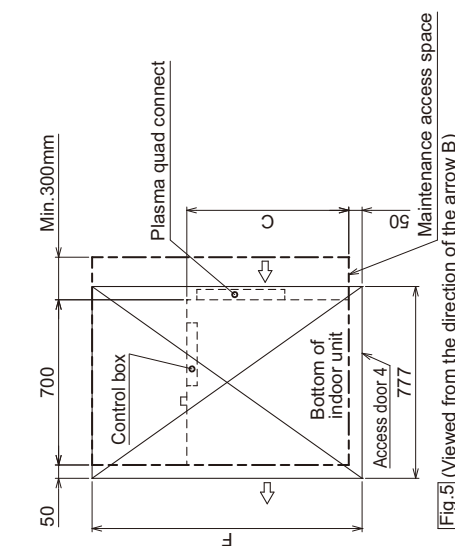


Fig. 5

WIDE C	D	E	F
700	50~150	800	1300
900	150~250	1000	1500
1100	250~350	1200	1700
1400	400~500	1500	2000
1600	500~600	1700	2200

Model	WIDE C	D	E	F
PEFY-P20,25,32VMA(L)-E4	700	50~150	800	1300
PEFY-P40,50,63VMA(L)-E4	900	150~250	1000	1500
PEFY-P71,80VMA(L)-E4	1100	250~350	1200	1700

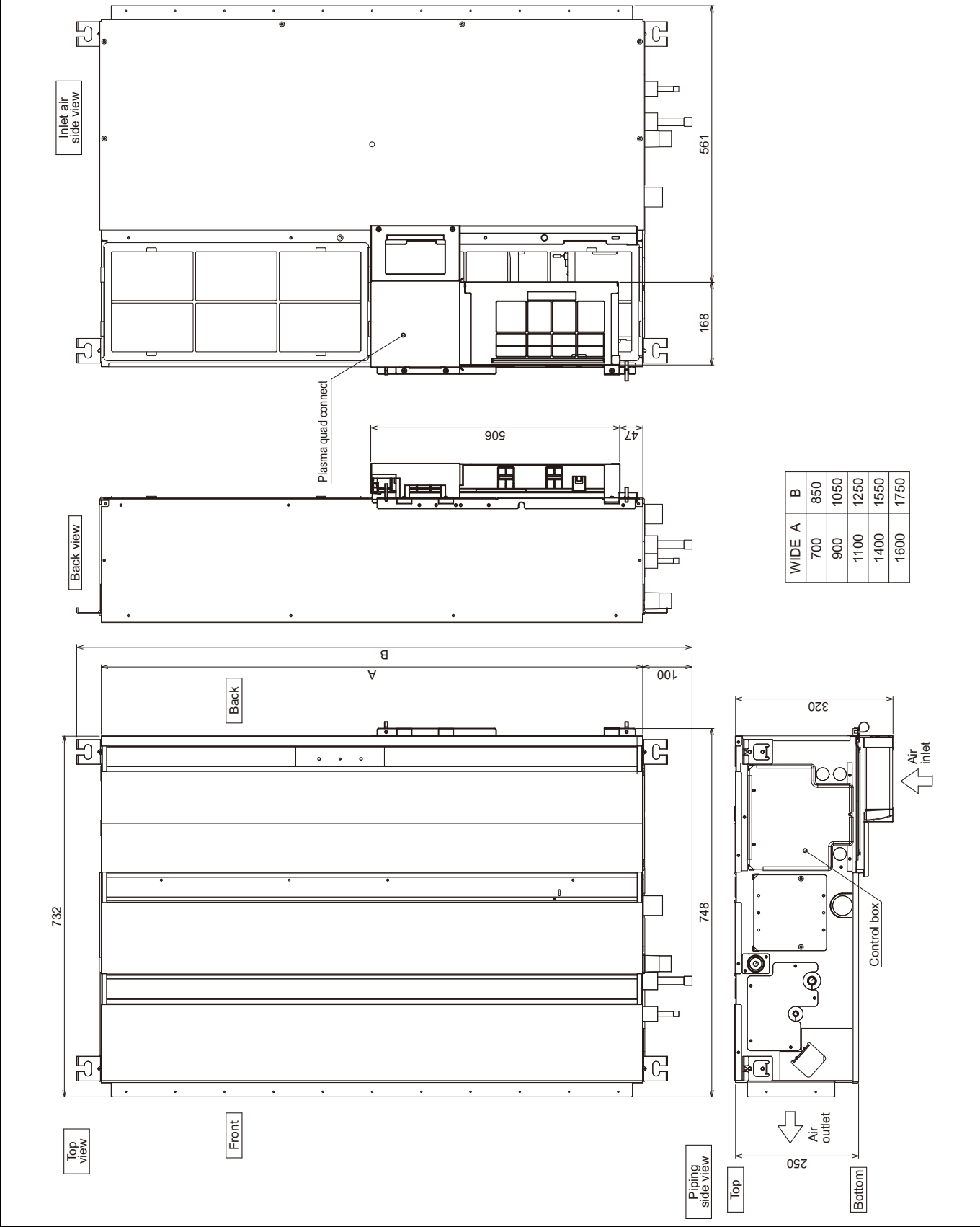
Model	WIDE C	D	E	F
PEFY-P100,125VMA(L)-E4	1400	400~500	1500	2000
PEFY-P140VMA(L)-E4	1600	500~600	1700	2200

The drawing above is a sample image of the optional parts being installed on a unit.

PEFY-P-VMA(L)-E4

PEFY-P20, 25, 32, 40, 50, 63, 71, 80, 100, 125, 140VMA(L)-E4
with PQ attachment (Bottom inlet) and Plasma Quad Connect

Unit: mm



Model	WIDE A	B
PEFY-P20,25,32VMA(L)-E4	700	850
PEFY-P40,50,63VMA(L)-E4	900	1050
PEFY-P71,80VMA(L)-E4	1100	1250

Model	WIDE A	B
PEFY-P100,125VMA(L)-E4	1400	1550
PEFY-P140VMA(L)-E4	1600	1750

The drawing above is a sample image of the optional parts being installed on a unit.

PEFY-P20, 25, 32, 40, 50, 63, 71, 80, 100, 125, 140VMA(L)-E4 with PQ attachment (Bottom inlet) and Plasma Quad Connect

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 control box in one of the following ways.
 Select an installation site for the indoor unit so that its maintenance access space will not be obstructed by beams or other objects.

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

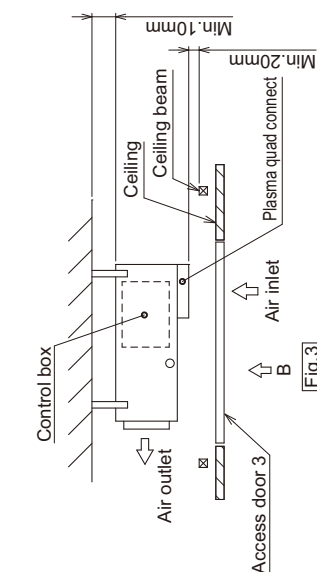
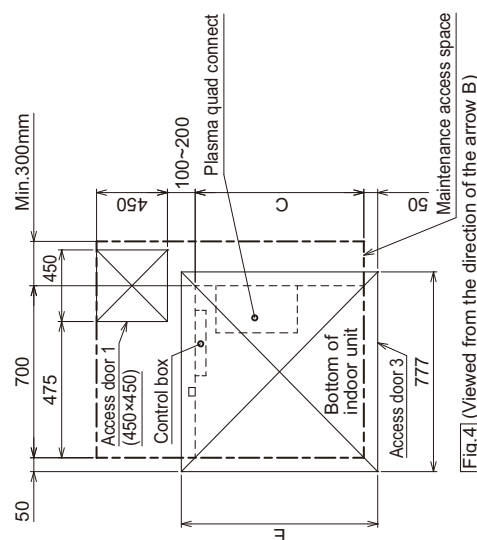
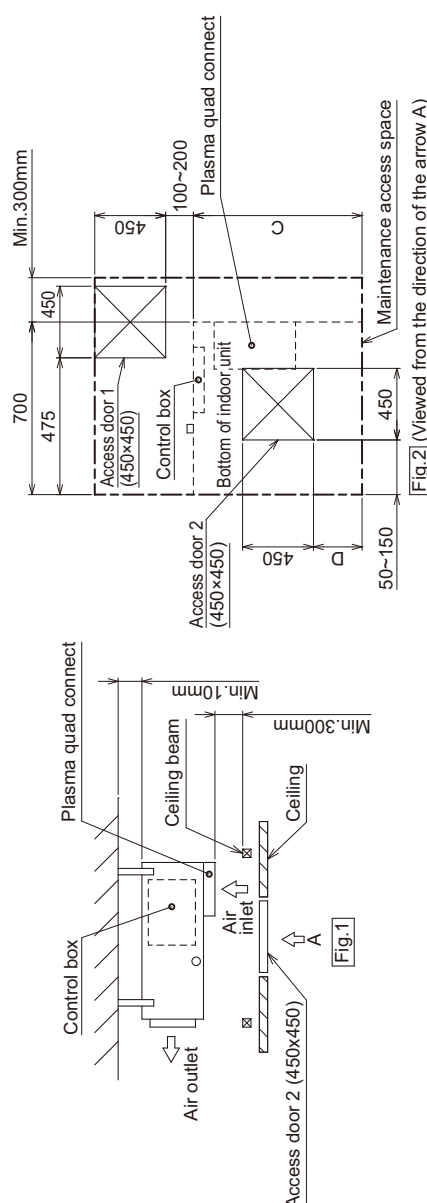
- Create access door 1 and 2 (450x450mm each) as shown in Fig. 2.

(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 1 diagonally below the control box and access door 3 below the unit as shown in Fig. 4.

or

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



WIDE C	D	E	F
700	50~150	800	1300
900	150~250	1000	1500
1100	250~350	1200	1700
1400	400~500	1500	2000
1600	500~600	1700	2200

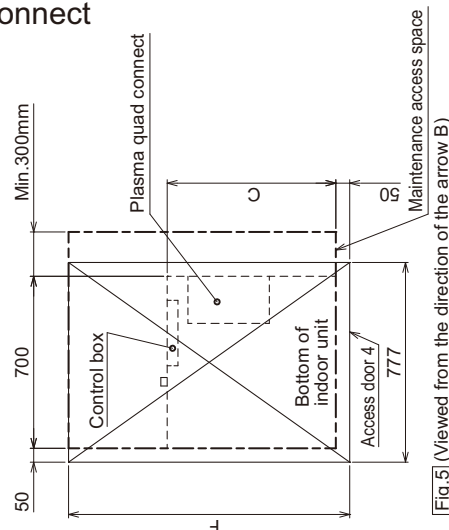


Fig. 5

Model	WIDE C	D	E	F
PEFY-P20,25,32VMA(L)-E4	700	50~150	800	1300
PEFY-P40,50,63VMA(L)-E4	900	150~250	1000	1500
PEFY-P71,80VMA(L)-E4	1100	250~350	1200	1700

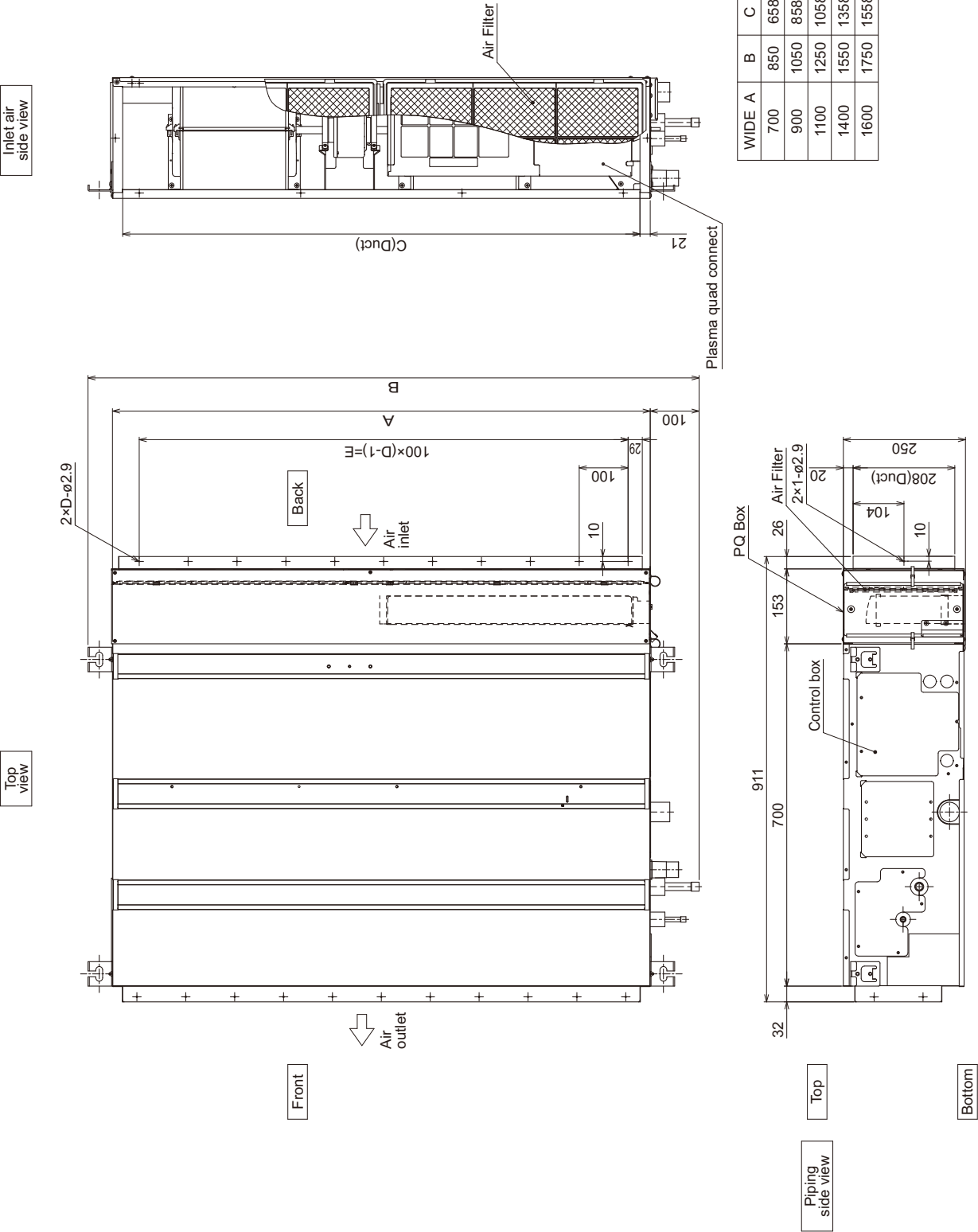
Model	WIDE C	D	E	F
PEFY-P100,125VMA(L)-E4	1400	400~500	1500	2000
PEFY-P140VMA(L)-E4	1600	500~600	1700	2200

The drawing above is a sample image of the optional parts being installed on a unit.

PEFY-P-VMA(L)-E4

PEFY-P20, 25, 32, 40, 50, 63, 71, 80, 100, 125, 140VMA(L)-E4
with PQ box and Plasma Quad Connect

Unit: mm



Model	WIDE A	B	C	D	E
PEFY-P20,25,32VMA(L)-E4	700	850	658	7	600
PEFY-P40,50,63VMA(L)-E4	900	1050	858	9	800
PEFY-P71,80VMA(L)-E4	1100	1250	1058	11	1000

Model	WIDE A	B	C	D	E
PEFY-P100,125VMA(L)-E4	1400	1550	1358	14	1300
PEFY-P140VMA(L)-E4	1600	1750	1558	16	1500

The drawing above is a sample image of the optional parts being installed on a unit.

PEFY-P-VMA(L)-E4

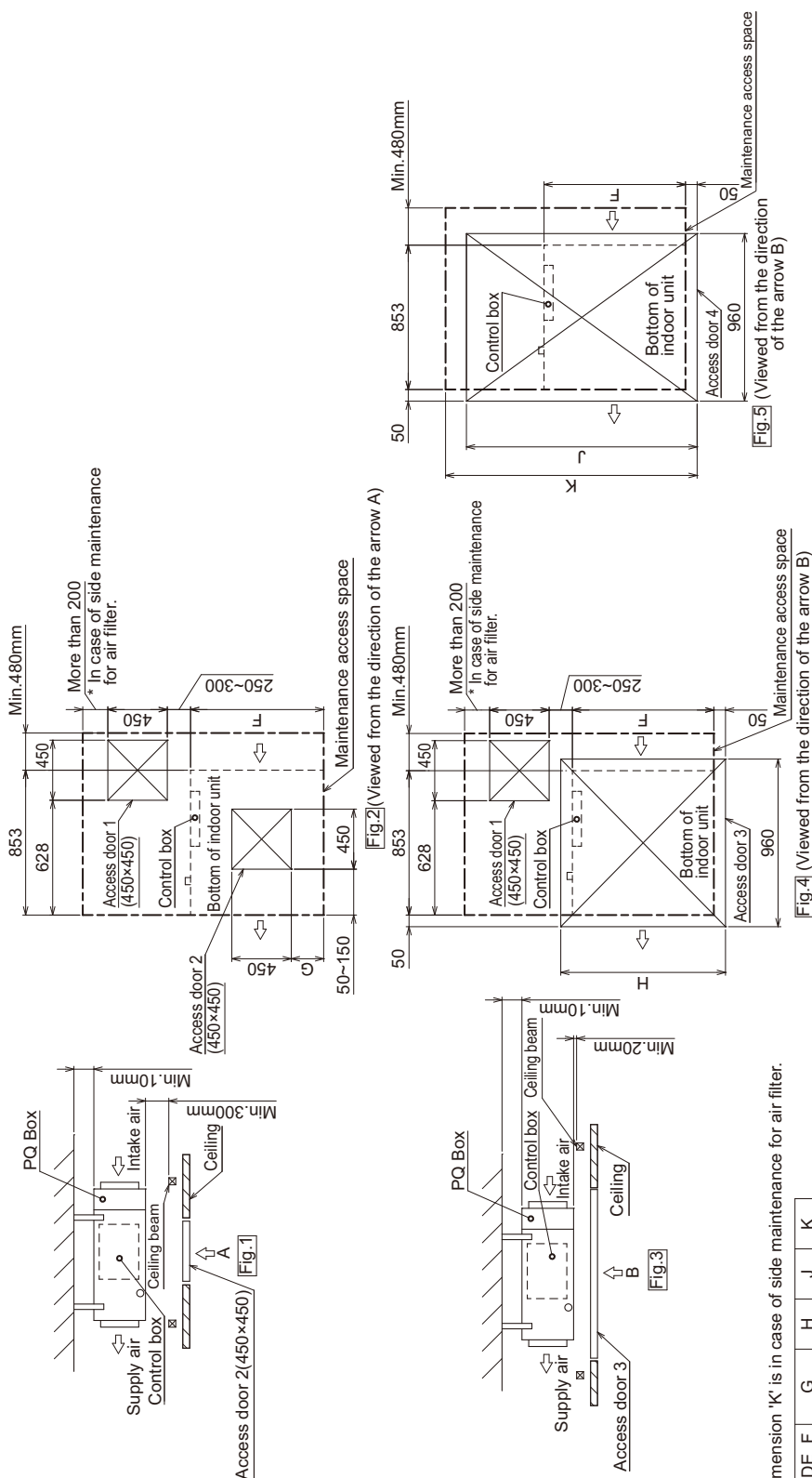
9. OPTIONAL PARTS

PEFY-P20, 25, 32, 40, 50, 63, 71, 80, 100, 125, 140VMA(L)-E4
with PQ box and Plasma Quad Connect

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 control box in one of the following ways.
Select an installation site for the indoor unit so that its maintenance access space will not be obstructed by beams or other objects.

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



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

WIDE	F	G	H	J	K
700		50~150	800	1300	1450
900		150~250	1000	1500	1850
1100		250~350	1200	1700	—
1400		400~500	1500	2000	2150
1600		500~600	1700	2200	2550

Model	WIDE F	G	H	J	K
PEFY-P20,25,32VMA(L)-E4	700	50~150	800	1300	1450
PEFY-P40,50,63VMA(L)-E4	900	150~250	1000	1500	1850
PEFY-P71,80VMA(L)-E4	1100	250~350	1200	1700	-

The drawing above is a sample image of the optional parts being installed on a unit.

Model	WIDE F	G	H	J	K
PEFY-P100,125VMA(L)-E4	1400	400~500	1500	2000	2150
PEFY-P140VMA(L)-E4	1600	500~600	1700	2200	2550

⚠ Warning

- Do not use refrigerant other than the type indicated in the manuals provided with the unit and on the nameplate.
 - Doing so may cause the unit or pipes to burst, or result in explosion or fire during use, repair, or at the time of disposal of the unit.
 - It may also be in violation of applicable laws.
 - MITSUBISHI ELECTRIC CORPORATION cannot be held responsible for malfunctions or accidents resulting from the use of the wrong type of refrigerant.
- Our air conditioning equipment and heat pumps contain a fluorinated greenhouse gas, R410A.

mitsubishi **ELECTRIC CORPORATION**

www.MitsubishiElectric.com