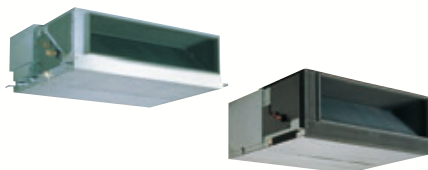


INDOOR UNIT

Ceiling concealed type

PEFY-P VMH-E

High Static Pressure



Increased design flexibility from sufficient external static pressure allows authentic duct air- conditioning with an elegant interior layout.



Maximum external static pressure 260Pa

The additional external static pressure capacity provides flexibility for duct extension, branching and air outlet configuration.

		P40	P50	P63	P71	P80	P100	P125	P140	P200	P250
External static pressure (Pa)	220V	50/100/200									—
	230/240V	100/150/200									—
	380V	—									110/220
	400/415V	—									130/260

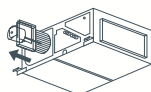
Reduced noise thanks to the use of newly designed centrifugal fan

Sound pressure level table (Standard static pressure 220V)

										dB(A)
Sound pressure Level	Capacity		P40	P50	P63	P71	P80	P100	P125	P140
	Fan Speed	High	34	34	38	39	41	42	42	42
	Low	27	27	32	32	35	34	34	34	34

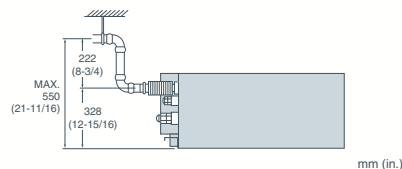
One-side maintenance

All maintenance to the unit, including fan inspection and fan motor removal, can be conducted from the inspection opening on one side.



Drain pump (option) ensures up to 550mm (21-11/16in.) of lift

The introduction of an upper drain pump allows the drain connection to be raised as high as 550mm(21-11/16in.), allowing more freedom in piping layout design and reducing horizontal piping requirements.



Specifications

		PEFY-P40VMH-E	PEFY-P50VMH-E	PEFY-P63VMH-E	PEFY-P71VMH-E	PEFY-P80VMH-E	PEFY-P100VMH-E	PEFY-P125VMH-E	PEFY-P140VMH-E	
Power source		1-phase 220-240V 50Hz / 1-phase 220-240V 60Hz								
Cooling capacity	※1 kW	4.5	5.6	7.1	8.0	9.0	11.2	14.0	16.0	
	※1 BTU/h	15,400	19,100	24,200	27,300	30,700	38,200	47,800	54,600	
Heating capacity	※1 kW	5.0	6.3	8.0	9.0	10.0	12.5	16.0	18.0	
	※1 BTU/h	17,100	21,500	27,300	30,700	34,100	42,700	54,600	61,400	
Power consumption	Cooling kW	0.19 / 0.23	0.24 / 0.30	0.26 / 0.33	0.32 / 0.40	0.48 / 0.58		0.48 / 0.59		
	Heating kW	0.19 / 0.23	0.24 / 0.30	0.26 / 0.33	0.32 / 0.40	0.48 / 0.58		0.48 / 0.59		
Current	Cooling A	0.88 / 1.06	1.12 / 1.38	1.20 / 1.51	1.47 / 1.83	2.34 / 2.66		2.35 / 2.70		
	Heating A	0.88 / 1.06	1.12 / 1.38	1.20 / 1.51	1.47 / 1.83	2.34 / 2.66		2.35 / 2.70		
External finish		Galvanized								
Dimension H × W × D	mm	380 × 750 × 900			380 × 1,000 × 900			380 × 1,200 × 900		
	in.	15 × 29-9/16 × 35-7/16			15 × 39-3/8 × 35-7/16			15 × 47-1/4 × 35-7/16		
Net weight		kg(lbs.)	44 (98)	45 (100)	50 (111)	70 (155)				
Heat exchanger		Cross fin (Aluminum plate fin and copper tube)								
Fan	Type × Quantity	Sirocco fan × 1				Sirocco fan × 2				
	Airflow rate (Lo-Hi)	m ³ /min	10.0-14.0		15.5-22.0		18.0-25.0		26.5-38.0	28.0-40.0
		L/s	167-233		225-317		300-417		442-633	467-667
		cfm	353-494		477-671		547-777		636-883	989-1413
	External static pressure	220V Pa	50 - 100 - 200				100 - 150 - 200			
Motor		Type	1-phase induction motor							
Output		※3 kW	0.08	0.12	0.14	0.18	0.26			
Air filter (option)		Synthetic fiber unwoven cloth filter (long life)								
Refrigerant pipe diameter	Gas (Brazing)	mm(in.)	ø12.7 (ø1/2)			ø15.88 (ø5/8)				
	Liquid (Brazing)	mm(in.)	ø6.35 (ø1/4)			ø9.52 (ø3/8)				
Field drain pipe diameter		mm(in.)	O.D. 32 (1-1/4)							
Sound pressure level (Lo-Hi)	220V	dB(A)	27-34	32-38	32-39	35-41	34-42			
	220,240V	dB(A)	31-37	36-41	35-41	38-43	38-44			

		PEFY-P200VMH-E	PEFY-P250VMH-E
Power source		3N ~ 380-415V 50Hz / 3N ~ 380-415V 60Hz	
Cooling capacity	※1 kW	22.4	
	※1 BTU/h	76,400	
Heating capacity	※1 kW	25.0	
	※1 BTU/h	85,300	
Power consumption	Cooling kW	0.99 / 1.14	
	Heating kW	0.99 / 1.14	
Current	Cooling A	1.62 / 1.86	
	Heating A	1.62 / 1.86	
External finish		Galvanized	
Dimension H × W × D	mm	470 × 1,250 × 1,120	
	in.	18-9/16 × 49-1/4 × 44-1/8	
Net weight		kg(lbs.) 100 (221)	
Heat exchanger		Cross fin (Aluminum plate fin and copper tube)	
Fan	Type × Quantity	Sirocco fan × 2	
	Airflow rate	m ³ /min	58.0
		L/s	967
		cfm	2048
	External static pressure	380V Pa	110 - 220
Motor	Type	3-phase induction motor	
	Output	※5 kW	0.76
Air filter (option)		Synthetic fiber unwoven cloth filter (long life)	
Refrigerant pipe diameter	Gas (Brazing)	mm(in.)	ø19.05 (ø3/4)
	Liquid (Brazing)	mm(in.)	ø9.52 (ø3/8)
Field drain pipe diameter		mm(in.)	O.D. 32 (1-1/4)
Sound pressure level	380V	dB(A)	42 (110Pa) / 45 (220Pa)
	400,415V	dB(A)	44 (130Pa) / 47 (260Pa)

Note:

- ※1 Cooling/heating capacity indicates the maximum value at operation under the following condition.
Cooling Indoor : 27°C(81°F)DB/19°C(66°F)WB, Outdoor : 35°C(95°F)DB
Heating Indoor : 20°C(68°F)DB, Outdoor : 7°C(45°F)DB/6°C(43°F)WB
- ※2 The external static pressure is set to 100Pa (at 220V) / 150Pa (at 230, 240V) at factory shipment.
- ※3 The value are that at 240V.
- ※4 The external static pressure is set to 220Pa (at 380V) / 260Pa (at 400, 415V) at factory shipment.
- ※5 The value are that at 415V.
- ※6 It is measured in anechoic room.