

INDOOR UNIT

Ceiling Concealed Type

New



PEFY-P VMA(L)-E

Middle Static Pressure
35~150Pa

Slim Body
Height 250mm

With precise control of indoor temperature while operating with optimum energy usage, it offers a high-energy saving efficiency.



Compact Indoor Units

For all models unit height are unified to 250mm. Compared to the previous PEFY-P VMM model, the height size is reduced by 75mm (models 100-140), allowing installation in tight spaces, such as ceiling cavities or drop-ceilings.



Reduction of
75mm
(models 100-140)
compared to PEFY-P VMM

PEFY-P VMA(L)	20	25	32	40	50	63	71	80	100	125	140
Height mm	250										
Width mm	700										
Depth mm	732										

External static pressure

Five-stage external static pressure settings provide flexibility for duct extension, branching and air outlet configuration and are adjustable to meet different application conditions. Setting ranges to a maximum of 150Pa.

External static pressure setting

Series	20	25	32	40	50	63	71	80	100	125	140
PEFY-P VMA(L)	35/50/70/100/150Pa										

Indoor unit

Drain Pump Option

The line-up consists of two types, models with or without a built-in drain pump allowing more freedom in piping layout design.



PEFY-P VMA-E Drain pump built-in



PEFY-P VMA(L)-E No Drain pump

* Units with a "L" at the end of the model name are not equipped with a drain pump.

Analogue input

Analogue input allows unit to control the fan speed setting in conjunction with damper condition.

IT terminal

IT terminal is available. For details, contact your local distributor.

Specifications

		PEFY-P20VMA(L)-E	PEFY-P25VMA(L)-E	PEFY-P32VMA(L)-E	PEFY-P40VMA(L)-E	PEFY-P50VMA(L)-E
Power source		1-phase 220-230-240V 50Hz				
Cooling capacity (Nominal)	#1	kW	2.2	2.8	3.6	4.5
	#1	BTU/h	7,500	9,600	12,300	15,400
Heating capacity (Nominal)	#2	kW	2.5	3.2	4.0	5.0
	#2	BTU/h	8,500	10,900	13,600	17,100
Power consumption	Cooling #3	kW	0.06 [0.04]	0.06 [0.04]	0.07 [0.05]	0.09 [0.07]
	Heating #3	kW	0.04	0.04	0.05	0.07
Current	Cooling #3	A	0.53 [0.42]	0.53 [0.42]	0.55 [0.44]	0.64 [0.53]
	Heating #3	A	0.42	0.42	0.44	0.53
External finish		Galvanized steel plate				
Dimension H × W × D		mm	250 × 700 × 732	250 × 700 × 732	250 × 700 × 732	250 × 900 × 732
		in.	9-7/8 × 27-9/16 × 28-7/8	9-7/8 × 27-9/16 × 28-7/8	9-7/8 × 27-9/16 × 28-7/8	9-7/8 × 35-7/16 × 28-7/8
Net weight		kg(lbs)	23 (51) [22 (49)]	23 (51) [22 (49)]	23 (51) [22 (49)]	26 (58) [25 (56)]
Heat exchanger		Cross fin (Aluminum fin and copper tube)				
Fan	Type × Quantity	Sirocco fan X 1				
	Airflow rate (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
						424 - 512 - 600
External static pressure #4	Pa	<35> - 50 - <70> - <100> - <150>				
		<35> - 50 - <70> - <100> - <150>				
Motor		DC brushless motor				
Type		0.085				
Output		0.085				
Air filter		PP honeycomb fabric.				
Refrigerant pipe diameter	Liquid (R410A) (R22/R407C)	mm(in.)	6.35 (1/4) Braze	6.35 (1/4) Braze	6.35 (1/4) Braze	6.35 (1/4) Braze
	Gas (R410A) (R22/R407C)	mm(in.)	12.7 (1/2) Braze	12.7 (1/2) Braze	12.7 (1/2) Braze	12.7 (1/2) Braze
			12.7 (1/2) Braze	12.7 (1/2) Braze	12.7 (1/2) Braze	15.88 (5/8) Braze
			12.7 (1/2) Braze	12.7 (1/2) Braze	12.7 (1/2) Braze	15.88 (5/8) Braze
Field drain pipe diameter		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)
Sound pressure level (Low-Mid-High) (measured in anechoic room) #3		dB(A)	23-25-26	23-25-26	23-26-29	23-27-30

		PEFY-P63VMA(L)-E	PEFY-P71VMA(L)-E	PEFY-P80VMA(L)-E	PEFY-P100VMA(L)-E	PEFY-P125VMA(L)-E	PEFY-P140VMA(L)-E
Power source		1-phase 220-230-240V 50Hz					
Cooling capacity (Nominal)	#1	kW	7.1	8.0	9.0	11.2	14.0
	#1	BTU/h	24,200	27,300	30,700	38,200	47,800
Heating capacity (Nominal)	#2	kW	8.0	9.0	10.0	12.5	16.0
	#2	BTU/h	27,300	30,700	34,100	42,700	54,600
Power consumption	Cooling #3	kW	0.12 [0.10]	0.14 [0.12]	0.14 [0.12]	0.24 [0.22]	0.34 [0.32]
	Heating #3	kW	0.10	0.12	0.12	0.22	0.32
Current	Cooling #3	A	1.01 [0.90]	1.15 [1.04]	1.15 [1.04]	1.47 [1.36]	2.05 [1.94]
	Heating #3	A	0.90	1.04	1.04	1.36	1.94
External finish		Galvanized steel plate					
Dimension H × W × D		mm	250 × 1,100 × 732	250 × 1,100 × 732	250 × 1,100 × 732	250 × 1,400 × 732	250 × 1,600 × 732
		in.	9-7/8 × 43-5/16 × 28-7/8	9-7/8 × 43-5/16 × 28-7/8	9-7/8 × 43-5/16 × 28-7/8	9-7/8 × 55-1/8 × 28-7/8	9-7/8 × 63 × 28-7/8
Net weight		kg(lbs)	32 (71) [31 (69)]	32 (71) [31 (69)]	32 (71) [31 (69)]	42 (93) [41 (91)]	42 (93) [41 (91)]
Heat exchanger		Cross fin (Aluminum fin and copper tube)					
Fan	Type × Quantity	Sirocco fan X 2					
	Airflow rate (Low-Mid-High)	m ³ /min	13.5 - 16.0 - 19.0	14.5 - 18.0 - 21.0	14.5 - 18.0 - 21.0	23.0 - 28.0 - 33.0	28.0 - 34.0 - 40.0
		L/s	225 - 267 - 317	242 - 300 - 350	242 - 300 - 350	383 - 467 - 550	467 - 567 - 667
	cfm		477 - 565 - 671	512 - 636 - 742	512 - 636 - 742	812 - 989 - 1,165	989 - 1,201 - 1,412
							1,042 - 1,254 - 1,483
External static pressure #4	Pa	<35> - 50 - <70> - <100> - <150>					
		<35> - 50 - <70> - <100> - <150>					
Motor		DC brushless motor					
Type		0.121					
Output		0.121					
Air filter		PP honeycomb fabric.					
Refrigerant pipe diameter	Liquid (R410A) (R22/R407C)	mm(in.)	9.52 (3/8) Braze	9.52 (3/8) Braze	9.52 (3/8) Braze	9.52 (3/8) Braze	9.52 (3/8) Braze
	Gas (R410A) (R22/R407C)	mm(in.)	15.88 (5/8) Braze	15.88 (5/8) Braze	15.88 (5/8) Braze	15.88 (5/8) Braze	15.88 (5/8) Braze
			15.88 (5/8) Braze	15.88 (5/8) Braze	15.88 (5/8) Braze	19.05 (3/4) Braze	19.05 (3/4) Braze
			15.88 (5/8) Braze	15.88 (5/8) Braze	15.88 (5/8) Braze	19.05 (3/4) Braze	19.05 (3/4) Braze
Field drain pipe diameter		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)	O.D.32 (1-1/4)
Sound pressure level (Low-Mid-High) (measured in anechoic room) #3		dB(A)	25-29-33	26-29-34	26-29-34	28-33-37	32-36-40

Note:

- [] is in case of PEFY-P VMA(L)-E
- #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.)
- #2 Nominal heating conditions
Indoor: 20°CDB(68°FDB), Outdoor: 7°CDB(45°FDB/43°FWB)
Pipe length: 7.5m(24-9'16ft.), Level difference: 0m(0ft.)
- #3 The values are measured at the rated external static pressure.
- #4 The rated external static pressure is shown without <>. The factory setting is the rated value.

	PUMY-P100VHMB(BS)	PUMY-P125VHMB(BS)	PUMY-P140VHMB(BS)
PEFY-P20VMA(L)-E	✓	✓	✓
PEFY-P25VMA(L)-E	✓	✓	✓
PEFY-P32VMA(L)-E	✓	✓	✓
PEFY-P40VMA(L)-E	✓	✓	✓
PEFY-P50VMA(L)-E	✓	✓	✓
PEFY-P63VMA(L)-E	✓	✓	✓
PEFY-P71VMA(L)-E	✓	✓	✓
PEFY-P80VMA(L)-E	✓	✓	✓
PEFY-P100VMA(L)-E	x	x	x
PEFY-P125VMA(L)-E	x	x	x
PEFY-P140VMA(L)-E	x	x	x

✓ Connectable
x Not Connectable. Connectable from June 2009 production. For further details, please contact your nearest sales office or distributor.

Specifications