PEFY-M VMA-A1 NEW

INDOOR UNITS - Ceiling concealed medium to high static pressure



CITY MULTI

Five levels of external static pressure settings

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

External static pressure setting

Series	20	25	32	40	50	63	71	80	100	125	140
PEFY-M VMA-A1	35/50/70/100/150 Pa						40/50/70/100/150 Pa				

Four fan speeds to choose from

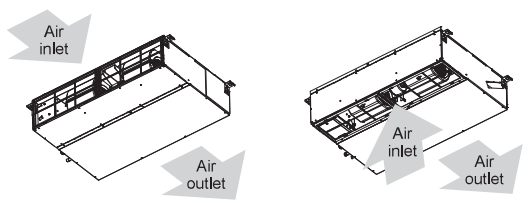
The conventional models had three levels of fan speed, but the new models offer four levels (Low/Mid2/Mid1/High). Combined with a wider selection of external static pressure levels, the new models offer optimal operation settings to suit the air-conditioning load of the installation space.

Air inlet direction can be easily changed

By simply switching the closing board and air filter, the inlet layout can be changed from the rear inlet to the bottom inlet. (At factory shipment: Rear inlet)

CONVENTIONAL MODEL

HORIZONTAL AIRFLOW



Optional drain pump

The lineup consists of two types of models, with or without a built-in drain pump, for more flexibility in piping layout design.

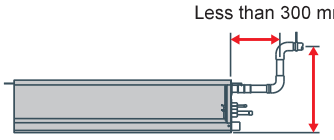


Built-in drain pump
PEFY-M VMA-A1



No drain pump
PEFY-M VMAL-A1

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



Connectable to Plasma Quad Connect

The optional Plasma Quad Connect MAC-100FT-E can be installed on the indoor unit's air inlet side. For installation, PQ attachment or PQ box is required.



Key Technologies

















Technical specifications

MODEL			PEFY-M20VMA-A1	PEFY-M25VMA-A1	PEFY-M32VMA-A1	PEFY-M40VMA-A1
Power			1-phase 220-230-240 V 50 Hz			
Capacity in cooling mode *1		kW	2.2	2.8	3.6	4.5
		Btu/h	7,500	9,600	12,300	15,400
Capacity in heating mode*1		kW	2.5	3.2	4.0	5.0
		Btu/h	8,500	10,900	13,600	17,100
Power consumption	Cooling	kW	0.039	0.039	0.060	0.087
	Heating	kW	0.037	0.037	0.058	0.085
Current	Cooling	A	0.34-0.33-0.32	0.34-0.33-0.32	0.50-0.48-0.46	0.70-0.67-0.64
	Heating	A	0.34-0.33-0.32	0.34-0.33-0.32	0.50-0.48-0.46	0.70-0.67-0.64
External finish			Galvanized steel plate			
Dimensions HxLxW		mm	250 x 700 x 732	250 x 700 x 732	250 x 700 x 732	250 x 900 x 732
Net weight		kg	21	21	21	25
Heat exchanger			Cross fin (Aluminum fin and copper tube)			
Fan	Type x Quantity		Sirocco fan x 1	Sirocco fan x 1	Sirocco fan x 1	Sirocco fan x 2
	Air flow (low-medium-high)	m^3/min	6.0 - 7.5 - 8.5 -10.0	6.0 - 7.5 - 8.5 - 10	7.4 - 9.0 - 10.5 - 12.5	10.0 - 11.5 - 13.5 - 19.0
		l/s	100 - 125 - 142 - 166	100 - 125 - 142 - 166	123 - 150 - 175 - 208	166 - 191 - 225 - 316
		cfm	212 - 265 - 300 - 353	212 - 265 - 300- 353	261 - 317 - 370 - 441	353 - 406 - 476 - 670
	External static press *2	Pa	35 - <50> - <70> - <100> - <150>	35 - <50> - <70> - <100> - <150>	35 - <50> - <70> - <100> - <150>	35 - <50> - <70> - <100> - <150>
Motor	Type		DC Motor			
	Power output	kW	0.085	0.085	0.085	0.121
Air filter			Polypropylene honeycomb fabric (washable)			
Refrigerant pipe diameter	Gas (brazed)	mm	12.7	12.7	12.7	12.7
	Liquid (brazed)	mm	6.35	6.35	6.35	6.35
Local drain pipe diameter			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 (Low-Mid2-Mid1-High)*3	Cooling	dB(A)	21.5 - 23.0 - 26.5 - 30.0	21.5 - 23.0 - 26.5 - 30.0	23.0 - 26.5 - 29.5 - 33.5	23.5-25.5-28.5-37.0
	Heating	dB(A)	21.5 - 23.0 - 26.5 - 30.0	21.5 - 23.0 - 26.5 - 30.0	23.0 - 26.5 - 29.5 - 33.5	23.5-25.5-28.5-37.0

*1 For heating/cooling capacity, the maximum value with the unit operating in the following conditions is given.
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 factory setting of airflow mode and external static pressure mode is shown without < >.
*3 Measured in anechoic chamber with 230V mains power and at the factory setting of external static pressure.