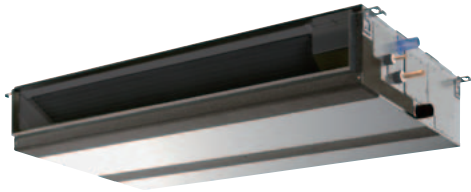


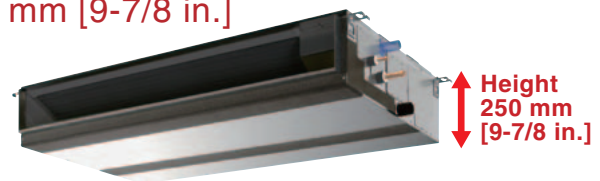
Medium static pressure type

PEFY-P VMA(L)-E PEFY-P VMA3-E



Compact design with a height of only 250 mm [9-7/8 in.]

A thin body design with a height of only 250 mm [9-7/8 in.] (all models) enables installation in a 280 mm [11-in.] high ceiling space.



Drain pump is optionally selectable

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



PEFY-P VMA(3)-E built-in drain pump



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

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

Selectable 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 150 Pa.

External static pressure setting

Series	20	25	32	40	50	63	71	80	100	125	140*
PEFY-P VMA(3)(L)-E	35/50/70/100/150 Pa										

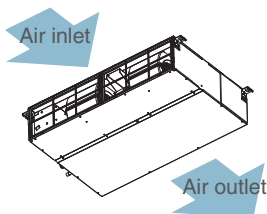
* VMA3 Series do not contain P140.

Selectable air inlet pattern

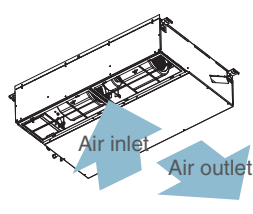
The air inlet position can only be changed between rear and bottom by switching the positions of the closing plate and air filter. (The factory default is bottom inlet.)

Two air inlet options can be chosen, rear or bottom:

1. Rear inlet



2. Bottom inlet



* Unit with a bottom inlet make more noise than those with a rear inlet. It is recommended that the rear inlet be selected when installing the units in rooms that should be quiet, such as bedrooms.

Specifications

Model			PEFY-P20VMA(L)-E	PEFY-P25VMA(L)-E	PEFY-P32VMA(L)-E
Power source			1-phase 220-230-240V 50/60Hz		
Cooling capacity (Nominal)	*1	kW	2.2	2.8	3.6
	*2	BTU/h	7,500	9,600	12,300
Heating capacity (Nominal)	*2	kW	2.5	3.2	4.0
	*3	BTU/h	8,500	10,900	13,600
Power consumption	Cooling*3	kW	0.06 [0.04]	0.06 [0.04]	0.07 [0.05]
	Heating*3	kW	0.04	0.04	0.05
Current	Cooling*3	A	0.53 [0.42]	0.53 [0.42]	0.55 [0.44]
	Heating	A	0.42	0.42	0.44
External finish			Galvanized steel plate		
Dimension H x W x D	mm		250 x 700 x 732	250 x 700 x 732	250 x 700 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
Net weight	kg (lbs.)		23 (51) [22 (49)]	23 (51) [22 (49)]	23 (51) [22 (49)]
Heat exchanger			Cross fin (Aluminum fin and copper tube)		
Fan	Type x Quantity		Sirocco fan x 1		
	Airflow rate (Lo-Mid-Hi)	m³/min	6.0-7.5-8.5	6.0-7.5-8.5	7.5-9.0-10.5
		L/s	100-125-142	100-125-142	125-150-175
		cfm	212-265-300	212-265-300	265-318-371
	External static pressure	*4 Pa	<35>-50-<70>-<100>-<150>	<35>-50-<70>-<100>-<150>	<35>-50-<70>-<100>-<150>
Motor	Type	DC motor			
	Output	kW	0.085	0.085	0.085
Air filter			PP honeycomb fabric.		
Refrigerant pipe diameter	Liquid (R410A)	mm (in.)	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
Field drain pipe diameter	mm (in.)		O.D.32 (1-1/4)	O.D.32 (1-1/4)	O.D.32 (1-1/4)
Sound pressure level (measured in anechoic room)					
(Lo-Mid-Hi)	*3 *5	dB (A)	26-28-29	26-28-29	28-30-34
	*3 *6	dB (A)	23-25-26	23-25-26	23-26-29

Model			PEFY-P40VMA(L)-E	PEFY-P50VMA(L)-E	PEFY-P63VMA(L)-E
Power source *1			1-phase 220-230-240V 50/60Hz		
Cooling capacity (Nominal) *1		kW	4.5	5.6	7.1
		BTU/h	15,400	19,100	24,200
Heating capacity (Nominal) *2		kW	5.0	6.3	8.0
		BTU/h	17,100	21,500	27,300
Power consumption	Cooling*3	kW	0.09 [0.07]	0.11 [0.09]	0.12 [0.10]
	Heating*3	kW	0.07	0.09	0.10
Current	Cooling*3	A	0.64 [0.53]	0.74 [0.63]	1.01 [0.90]
	Heating	A	0.53	0.63	0.90
External finish			Galvanized steel plate		
Dimension H x W x D		mm	250 x 900 x 732	250 x 900 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
Net weight		kg (lbs.)	26 (58) [25 (56)]	26 (58) [25 (56)]	32 (71) [31 (69)]
Heat exchanger			Cross fin (Aluminum fin and copper tube)		
Fan	Type x Quantity		Sirocco fan x 1		
	Airflow rate (Lo-Mid-Hi)	m³/min	10.0-12.0-14.0	12.0-14.5-17.0	13.5-16.0-19.0
		L/s	167-200-233	200-242-283	225-267-317
		cfm	353-424-494	424-512-600	477-565-671
	External static pressure *4	Pa	<35>-50-<70>-<100>-<150>	<35>-50-<70>-<100>-<150>	<35>-50-<70>-<100>-<150>
Motor	Type	DC motor			
	Output	kW	0.085	0.085	0.121
Air filter			PP honeycomb fabric.		
Refrigerant pipe diameter	Liquid (R410A)	mm (in.)	6.35 (1/4) Brazed	6.35 (1/4) Brazed	9.52 (3/8) Brazed
	Gas (R410A)	mm (in.)	12.7 (1/2) Brazed	12.7 (1/2) Brazed	15.88 (5/8) Brazed
Field drain pipe diameter		mm (in.)	O.D.32 (1-1/4)	O.D.32 (1-1/4)	O.D.32 (1-1/4)
Sound pressure level (measured in anechoic room)					
(Lo-Mid-Hi)	*3 *5	dB (A)	28-30-34	28-32-35	29-32-36
	*3 *6	dB (A)	23-27-30	25-29-32	25-29-33

Notes:

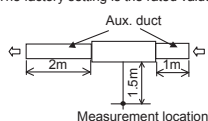
*1 Nominal cooling conditions
Indoor: 27°C(81°F)DB/19°C(66°F)WB, Outdoor: 35°C(95°F)DB
Pipe length: 7.5m(24-9/16ft.), Level difference: 0m(0ft.)

*2 Nominal heating conditions
Indoor: 20°C(68°F)DB, Outdoor: 7°C(45°F)DB/6°C(43°F)WB
Pipe length: 7.5m(24-9/16ft.), Level difference: 0m(0ft.)

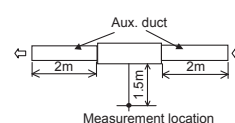
*3 The values are measured at the rated external static pressure.

*4 The rated external static pressure is shown without < > . The factory setting is the rated value.

*5 Measured in anechoic room with a 1m air inlet duct and 2m air outlet duct attached to the unit and 1.5m below the unit.



*6 Measured in anechoic room with a 2m air inlet duct and 2m air outlet duct attached to the unit and 1.5m below the unit.



* [] is in case of PEFY-P VMAL-E

* When PEFY-P20VMA2-E is connected, the available range of outdoor temperature is between 10°C and 49°C.

Specifications

Model			PEFY-P71VMA(L)-E	PEFY-P80VMA(L)-E	PEFY-P100VMA(L)-E
Power source	*1		1-phase 220-230-240V 50/60Hz		
Cooling capacity (Nominal)	*1	kW	8.0	9.0	11.2
	*2	BTU/h	27,300	30,700	38,200
Heating capacity (Nominal)	*2	kW	9.0	10.0	12.5
	*3	BTU/h	30,700	34,100	42,700
Power consumption	Cooling*3	kW	0.14 [0.12]	0.14 [0.12]	0.24 [0.22]
	Heating*3	kW	0.12	0.12	0.22
Current	Cooling*3	A	1.15 [1.04]	1.15 [1.04]	1.47 [1.36]
	Heating	A	1.04	1.04	1.36
External finish	Galvanized steel plate				
Dimension H x W x D	mm		250 x 1,100 x 732	250 x 1,100 x 732	250 x 1,400 x 732
	in.		9-7/8 x 43-5/16 x 28-7/8	9-7/8 x 43-5/16 x 28-7/8	9-7/8 x 55-1/8 x 28-7/8
Net weight	kg (lbs.)		32 (71) [31 (69)]	32 (71) [31 (69)]	42 (93) [41 (91)]
Heat exchanger	Cross fin (Aluminum fin and copper tube)				
Fan	Type x Quantity		Sirocco fan x 2		
Airflow rate (Lo-Mid-Hi)		m ³ /min	14.5-18.0-21.0	14.5-18.0-21.0	23.0-28.0-33.0
		L/s	242-300-350	242-300-350	383-467-550
		cfm	512-636-742	512-636-742	812-989-1,165
External static pressure	*4	Pa	<35>-50-<70>-<100>-<150>	<35>-50-<70>-<100>-<150>	<35>-50-<70>-<100>-<150>
Motor	Type		DC motor		
	Output	kW	0.121	0.121	0.244
Air filter	PP honeycomb fabric.				
Refrigerant pipe diameter	Liquid (R410A)	mm (in.)	9.52 (3/8) Brazed	9.52 (3/8) Brazed	9.52 (3/8) Brazed
	Gas (R410A)	mm (in.)	15.88 (5/8) Brazed	15.88 (5/8) Brazed	15.88 (5/8) Brazed
Field drain pipe diameter	mm (in.)		O.D.32 (1-1/4)	O.D.32 (1-1/4)	O.D.32 (1-1/4)
Sound pressure level (measured in anechoic room) (Lo-Mid-Hi)	*3 *5	dB (A)	30-34-38	30-34-38	32-37-41
	*3 *6	dB (A)	26-29-34	26-29-34	28-33-37

Model			PEFY-P125VMA(L)-E	PEFY-P140VMA(L)-E
Power source	*1		1-phase 220-230-240V 50/60Hz	
Cooling capacity (Nominal)	*1	kW	14.0	16.0
	*2	BTU/h	47,800	54,600
Heating capacity (Nominal)	*2	kW	16.0	18.0
	*3	BTU/h	54,600	61,400
Power consumption	Cooling*3	kW	0.34 [0.32]	0.36 [0.34]
	Heating*3	kW	0.32	0.34
Current	Cooling*3	A	2.05 [1.94]	2.21 [2.10]
	Heating	A	1.94	2.10
External finish	Galvanized steel plate			
Dimension H x W x D	mm		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 63 x 28-7/8
Net weight	kg (lbs.)		42 (93) [41 (91)]	46 (102) [45 (100)]
Heat exchanger	Cross fin (Aluminum fin and copper tube)			
Fan	Type x Quantity		Sirocco fan x 2	
Airflow rate (Lo-Mid-Hi)		m ³ /min	28.0-34.0-40.0	29.5-35.5-42.0
		L/s	467-567-667	492-592-700
		cfm	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	Type		DC motor	
	Output	kW	0.244	0.244
Air filter	PP honeycomb fabric.			
Refrigerant pipe diameter	Liquid (R410A)	mm (in.)	9.52 (3/8) Brazed	9.52 (3/8) Brazed
	Gas (R410A)	mm (in.)	15.88 (5/8) Brazed	15.88 (5/8) Brazed
Field drain pipe diameter	mm (in.)		O.D.32 (1-1/4)	O.D.32 (1-1/4)
Sound pressure level (measured in anechoic room) (Lo-Mid-Hi)	*3 *5	dB (A)	35-40-44	36-41-45
	*3 *6	dB (A)	32-36-40	33-37-42

Notes:

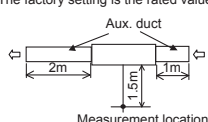
*1 Nominal cooling conditions
Indoor: 27°C(81°F)DB/19°C(66°F)WB, Outdoor: 35°C(95°F)DB
Pipe length: 7.5m(24-9/16ft.), Level difference: 0m(0ft.)

*2 Nominal heating conditions
Indoor: 20°C(68°F)DB, Outdoor: 7°C(45°F)DB/6°C(43°F)WB
Pipe length: 7.5m(24-9/16ft.), Level difference: 0m(0ft.)

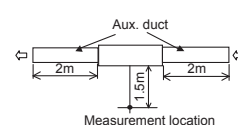
*3 The values are measured at the rated external static pressure.

*4 The rated external static pressure is shown without < > . The factory setting is the rated value.

*5 Measured in anechoic room with a 1m air inlet duct and 2m air outlet duct attached to the unit and 1.5m below the unit.



*6 Measured in anechoic room with a 2m air inlet duct and 2m air outlet duct attached to the unit and 1.5m below the unit.



* [] is in case of PEFY-P VMAL-E

* When PEFY-P20VMA2-E is connected, the available range of outdoor temperature is between 10°C and 49°C.