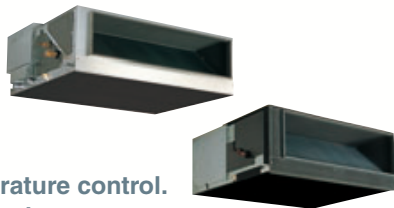


INDOOR UNIT Fresh Air Intake Type

PEFY-P VMH-E-F

Fresh
Air Intake

Fresh Air can be taken in with temperature control.
Ideal for Offices, Stores and Restaurants.



The Fresh Air intake indoor unit
can be installed in any place.

The Fresh Air intake indoor unit can take
fresh outdoor air into any building in any
place at any time.

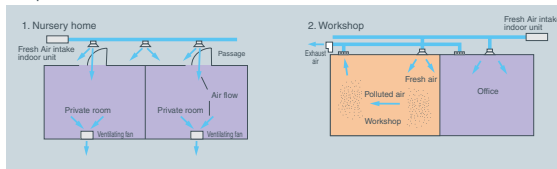
Office, Lobby, Workshop,
Rest room, Nursing home,
Smoking corner,
Kitchen in restaurant



* Limits of capacity connectable to outdoor unit

Max. 110% of outdoor unit capacity, excepting heating at outdoor temperature of less than -5°C(23°F) (100%).

Example



< Note>

Fan remains in operation during Thermo-OFF. Using this model with other type of indoor
unit is recommended to prevent cold draft which is caused due to intake fresh air.

> Specifications

Power source			PEFY-P80VMH-E-F		1-phase 220-240V 50Hz / 1-phase 208-230V 60Hz		PEFY-P140VMH-E-F	
Cooling capacity	※1	kW	9.0			16.0		
	※1	BTU/h	30,700			54,600		
Heating capacity	※1	kW	8.5			15.1		
	※1	BTU/h	29,000			51,500		
Power consumption	Cooling	kW	0.16 / 0.21			0.29 / 0.33		
	Heating	kW	0.16 / 0.21			0.29 / 0.33		
Current	Cooling	A	0.67 / 0.91			1.24 / 1.48		
	Heating	A	0.67 / 0.91			1.24 / 1.48		
External finish			Galvanized					
Dimension			380 X 1000 X 900				380 X 1200 X 900	
H X W X D		mm(in.)	(15 X 39-3/8 X 35-7/16)				(15 X 47-1/4 X 35-7/16)	
Net weight		kg(lbs.)	50 (111)				70 (155)	
Heat exchanger			Cross fin (Aluminum plate fin and copper tube)					
Fan	Type X Quantity		Sirocco fan X 1				Sirocco fan X 2	
	Airflow rate	m ³ /min	9.0				18.0	
		L/s	150				300	
		cfm	18				636	
	External static pressure	208V Pa	35 - 85 - 170				35 - 85 - 170	
		220V Pa	40 - 115 - 190				50 - 115 - 190	
		230V Pa	50 - 130 - 210				60 - 130 - 220	
		240V Pa	80 - 170 - 220				100 - 170 - 240	
Type		1-phase induction motor						
Output		kW	0.09 (at 220V)				0.14 (at 220V)	
Air filter (option)			Synthetic fiber unwoven cloth filter (long life)					
Refrigerant pipe diameter	Gas (Flare)	mm(in.)	ø15.88 (ø5/8)					
	Liquid (Flare)	mm(in.)	ø9.52 (ø3/8)					
Field drain pipe diameter		mm(in.)	O.D.32 (1-1/4)					
Sound pressure level	208, 220V	dB(A)	27 - 38 - 43				28 - 38 - 43	
	230, 240V	dB(A)	33 - 43 - 45				34 - 43 - 45	

Power source			PEFY-P200VMH-E-F		3N- 380-415V 50Hz / 3N-380-415V 60Hz		PEFY-P250 VMH-E-F	
Cooling capacity		kW	22.4			28.0		
		BTU/h	76,400			95,500		
Heating capacity		kW	21.2			26.5		
		BTU/h	72,300			90,400		
Power consumption	Cooling	kW	0.34 / 0.42			0.39 / 0.50		
	Heating	kW	0.34 / 0.42			0.39 / 0.50		
Current	Cooling	A	0.58 / 0.74			0.68 / 0.86		
	Heating	A	0.58 / 0.74			0.68 / 0.86		
External finish			Galvanized					
Dimension			470 X 1250 X 1120					
H X W X D		mm(in.)	(18-9/16 X 49-1/4 X 44-1/8)					
Net weight		kg(lbs.)	100 (221)					
Heat exchanger			Cross fin (Aluminum plate fin and copper tube)					
Fan	Type X Quantity		Sirocco fan X 2				Sirocco fan X 2	
	Airflow rate	m ³ /min	28				35	
		L/s	467				583	
		cfm	989				1236	
	External static pressure	380V Pa	140 / 200				110 / 190	
		400V Pa	150 / 210				120 / 200	
415V Pa		160 / 220				130 / 210		
Type		3-phase induction motor						
Output		kW	0.20				0.23	
Air filter (option)			Synthetic fiber unwoven cloth filter (long life type)					
Refrigerant pipe diameter	Gas (Flare)	mm(in.)	ø19.05 (ø3/4)				ø22.2 (ø7/8)	
	Liquid (Flare)	mm(in.)	ø9.52 (ø3/8)					
Field drain pipe diameter		mm(in.)	O.D.32 (1-1/4)					
Sound pressure level	380V	dB(A)	39 / 42				40 / 44	
	400V	dB(A)	40 / 43				40 / 45	
	415V	dB(A)	40 / 44				41 / 46	

Note:

- The cooling and heating capacities are the maximum capacities that were obtained by operating in the above air conditions and with a refrigerant pipe of about 7.5m.
- The actual capacity characteristics vary with the combination of indoor and outdoor units. See the technical information.
- The operating noise is the data that was obtained by measuring it 1.5m from the bottom of the unit in an anechoic room. (Noise meter A-scale value)
- The figure of Electrical characteristic indicates at 240V 50Hz/230V/60Hz (PEFY-P80, 140VMH-E-F type), at 220Pa setting at 415V (PEFY-P200, 250VMH-E-F type).
- When the 100% fresh air indoor units are connected, the maximum connectable indoor units to 1 outdoor unit are as follows

Heat pump models	Cooling only
110%(100% in case of heating below-5°C(23°F))	110%

- Operational temp range is (Cooling : from 21°C(70°F)DB/15.5°C(60°F)WB to 43°C(109°F)DB/35°C(95°F)WB)
(Heating : from -10°C(14°F)DB to 20°C(68°F)DB)

- Thermo off(Fan) operation automatically starts either when temperature is lower than 21°C(70°F)DB in cooling mode or when the temperature exceeds 20°C(68°F)DB in heating mode.
- As the room temp is sensed by the thermo in the remote controller or the one in the room, be sure to use either remote controller or room thermo.
- Autochangeover function or Dry mode is NOT available. Fan mode operation during the thermo off in Cooling/Heating mode.
- In any case, the air flow rate should be kept lower than 110% of the above chart. Please see "Fan curves" for the details.
- When this unit is used as sole A/C system, be careful about the dew in air outlet grilles in cooling mode.
- Un-conditioned outdoor air such as humid air or cold air blows to the indoor during thermo off operation.
Please be careful when positioning indoor unit air outlet grilles, to take the necessary precautions for cold air, and also insulate rooms for dew condensation prevention as required.
- Air filter must be installed in the air intake side. The filter should be attached where easy maintenance is possible in case of usage of field supply filters.
- Long life cannot be used with H-efficiency filter together (PEFY-P80 - 140VMH-E-F type).