

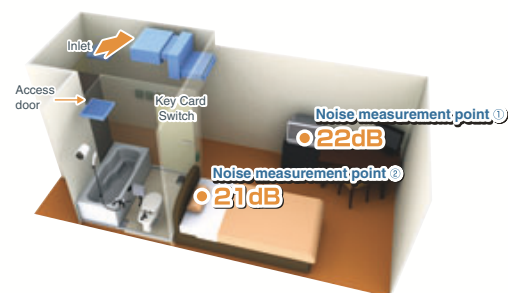
INDOOR UNIT

Ceiling concealed type

PEFY-P VMR-E-L/R

Static Pressure 5Pa	Width 640mm 25-923mm	Ultra Low Noise	Piping connection L model R model
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Problem solver for residential hotels, museums, libraries, or hospitals where low noise is especially a must!



Operable by key card switch

It is possible to operate / stop by taking a key card in and out.

Enables to install for symmetric design room

Left or right piping and control boxes are available depending on the layout of each room. Plus, as in the above figure, easy maintenance is possible from the access door in the bathroom. *Seen from the front, the pipe and control box are on the right side for -R models.

Easy Maintenance

Drain pan and heat exchangers are washable from the access door in the bathroom, making maintenance easy and cost saving.



Ultra low noise

Quiet indoor environment can be achieved with 21dB around the bed and 22dB around the desk.

*The noise level may differ by the room size or the setting of the unit.

Energy saving

Energy saving can be realized by preventing us from failing to switch off of the air conditioners with a centralized system when no one is in the room.

Note: Compact and simple controllers, designed specifically to control only start/stop, fan speed and temperature can be set in each room for the occupants' enhanced individual comfort.

Specifications

			PEFY-P20VMR-E-L		PEFY-P25VMR-E-L		PEFY-P32VMR-E-L	
Power source			1-phase 220-230-240V 50Hz / 1-phase 220-230V 60Hz					
Cooling capacity	#1	kW	2.2		2.8		3.6	
	#1	BTU/h	7,500		9,600		12,300	
Heating capacity	#1	kW	2.5		3.2		4.0	
	#1	BTU/h	8,500		10,900		13,600	
Power consumption	Cooling	kW	0.06 / 0.06		0.06 / 0.06		0.07 / 0.08	
	Heating	kW	0.06 / 0.06		0.06 / 0.06		0.07 / 0.08	
Current	Cooling	A	0.29 / 0.29		0.29 / 0.29		0.34 / 0.38	
	Heating	A	0.29 / 0.29		0.29 / 0.29		0.34 / 0.38	
External finish			Galvanized					
Dimension	Rear inlet	mm (in.)	292 × 640 × 580 (11-1/2 × 25-1/4 × 22-7/8)					
H × W × D	Bottom inlet	mm (in.)	300 × 640 × 570 (11-7/8 × 25-1/4 × 22-1/2)					
Net weight		kg(lbs.)	18 (40)					
Heat exchanger			Cross fin (Aluminum fin and copper tube)					
Fan	Type X Quantity		Sirocco fan X 1					
	Airflow rate (Lo-Mid-Hi)	m ³ /min	4.8-5.8-7.9				4.8-5.8-9.3	
		L/s	80-97-132				80-97-155	
		cfm	170-205-279				170-205-328	
	External static pressure	Pa	5					
Motor	Type	1-phase induction motor						
	Output	kW	0.018				0.023	
Air filter			PP Honeycomb fabric (washable)					
Refrigerant pipe diameter	Gas	mm(in.)	ø12.7 (ø1/2) Brazed					
Field drain pipe diameter	Liquid	mm(in.)	ø6.35 (ø1/4) Brazed					
			O.D. 26 (1)					
Sound pressure level (Lo-Mid-Hi)	220V	dB(A)	20-25-30				20-25-33	
	230V		21-26-32				21-26-35	
	240V		22-27-30				22-27-33	

			PEFY-P20VMR-E-R		PEFY-P25VMR-E-R		PEFY-P32VMR-E-R	
Power source			1-phase 220-230-240V 50Hz / 1-phase 220-230V 60Hz					
Cooling capacity	#1	kW	2.2		2.8		3.6	
	#1	BTU/h	7,500		9,600		12,300	
Heating capacity	#1	kW	2.5		3.2		4.0	
	#1	BTU/h	8,500		10,900		13,600	
Power consumption	Cooling	kW	0.06 / 0.06		0.06 / 0.06		0.07 / 0.08	
	Heating	kW	0.06 / 0.06		0.06 / 0.06		0.07 / 0.08	
Current	Cooling	A	0.29 / 0.29		0.29 / 0.29		0.34 / 0.38	
	Heating	A	0.29 / 0.29		0.29 / 0.29		0.34 / 0.38	
External finish			Galvanized					
Dimension	Rear inlet	mm (in.)	292 x 640 x 580 (11-1/2 x 25-1/4 x 22-7/8)					
H x W x D	Bottom inlet	mm (in.)	300 x 640 x 570 (11-7/8 x 25-1/4 x 22-1/2)					
Net weight			18 (40)					
Heat exchanger			Cross fin (Aluminum fin and copper tube)					
Fan	Type X Quantity		Sirocco fan X 1					
	Airflow rate (Lo-Mid-Hi)	m ³ /min	4.8-5.8-7.9				4.8-5.8-9.3	
		L/s	80-97-132				80-97-155	
		cfm	170-205-279				170-205-328	
	External static pressure	Pa	5					
Motor	Type	1-phase induction motor						
	Output	kW	0.018				0.023	
Air filter			PP Honeycomb fabric (washable)					
Refrigerant pipe diameter	Gas	mm(in.)	ø12.7 (ø1/2) Brazed					
	Liquid	mm(in.)	ø6.35 (ø1/4) Brazed					
Field drain pipe diameter			O.D. 26(1)					
Sound pressure level (Lo-Mid-Hi)	220V	dB(A)	20-25-30				20-25-33	
	230V		21-26-32				21-26-35	
	240V		22-27-30				22-27-33	

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 5Pa (at 220V, 230V, 240V).

#3 Measured in anechoic room. Sound pressure levels of the unit with a rear air inlet. (Sound pressure levels are higher than the unit with a bottom air inlet.)