

Floor standing concealed type

PFFY-P VLRM-E PFFY-P VLRMM-E



Compact unit for easy perimeter air-conditioning

The body is concealed in the pericover to pursue harmony with the interior.

The compact body depth of 220 mm [8-11/16 in.] can be easily installed in the perimeter zone.

Air flow rate
2 stages (VLRM)
3 stages (VLRMM)



Maximum external static pressure 60 Pa (VLRMM model)

Additional external static pressure capacity provides flexibility for duct extension, branching, and air outlet configuration.

Specifications

Model			PFFY-P20VLRM-E	PFFY-P25VLRM-E	PFFY-P32VLRM-E	PFFY-P40VLRM-E	PFFY-P50VLRM-E	PFFY-P63VLRM-E		
Power source			1-phase 220-240V 50Hz/1-phase 208-230V 60Hz							
Cooling capacity		*1	kW	2.2	2.8	3.6	4.5	5.6	7.1	
		*1	BTU/h	7,500	9,600	12,300	15,400	19,100	24,200	
Heating capacity		*1	kW	2.5	3.2	4.0	5.0	6.3	8.0	
		*1	BTU/h	8,500	10,900	13,600	17,100	21,500	27,300	
Power consumption	Cooling	kW	0.04/0.06		0.06/0.07	0.065/0.075	0.085/0.09	0.1/0.11		
	Heating	kW	0.04/0.06		0.06/0.07	0.065/0.075	0.085/0.09	0.1/0.11		
Current	Cooling	A	0.19/0.25		0.29/0.30	0.32/0.33	0.40/0.41	0.46/0.47		
	Heating	A	0.19/0.25		0.29/0.30	0.32/0.33	0.40/0.41	0.46/0.47		
External finish (Munsell No.)			Galvanized steel plate							
Dimension H x W x D		mm	639 x 886 x 220			639 x 1,006 x 220		639 x 1,246 x 220		
		in.	25-3/16 x 34-15/16 x 8-11/16			25-3/16 x 39-5/8 x 8-11/16		25-3/16 x 49-1/16 x 8-11/16		
Net weight		kg (lbs.)	22 (49)			24 (53)	25 (56)	29 (64)	30 (67)	
Heat exchanger			Cross fin (Aluminum plate fin and copper tube)							
Fan	Type x Quantity		Sirocco fan x 1			Sirocco fan x 2				
	Airflow rate (Lo-Hi)	*2	m³/min	5.5-6.5		7.0-9.0		9.0-11.0	12.0-14.0	12.0-15.5
		L/s	92-108		117-150		150-183		200-233	200-258
			cfm	194-230		247-318		318-388		424-494
	External static pressure		Pa	0						
Motor	Type		1-phase induction motor							
	Output	kW	0.015		0.018	0.030	0.035	0.050		
Air filter			PP Honeycomb fabric (washable)							
Refrigerant pipe diameter	Gas (Flare)	mm (in.)	ø12.7 (ø1/2)						ø15.88 (ø5/8)	
	Liquid (Flare)	mm (in.)	ø6.35 (ø1/4)						ø9.52 (ø3/8)	
Field drain pipe diameter		mm (in.)	I.D.26 (1) <Accessory hose O.D.27 (1-3/32) (top end :20 (13/16))>							
Sound pressure level (Lo-Hi)		*2 *3 *4	dB (A)		34-40	35-40	38-43		40-46	

Notes:

*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 Air flow rate/Sound pressure level are in (Low-High)

*3 Measured point : 1m x 1m, Power supply : AC240V/50Hz

· 1dB(A) lower at AC230V/50Hz · 2dB(A) lower at AC220V/50Hz · 3dB(A) lower at 1.5m x 1.5m point

*4 It is measured in anechoic room.

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Power source			1-phase 220-240V 50Hz/1-phase 220-240V 60Hz						
Cooling capacity	*1	kW	2.2	2.8	3.6	4.5	5.6	7.1	
		BTU/h	7,500	9,600	12,300	15,400	19,100	24,200	
Heating capacity	*1	kW	2.5	3.2	4.0	5.0	6.3	8.0	
		BTU/h	8,500	10,900	13,600	17,100	21,500	27,300	
Power consumption	Cooling	kW	0.04		0.04	0.05	0.05	0.07	
	Heating	kW	0.04		0.04	0.05	0.05	0.07	
Current	Cooling	A	0.34		0.38	0.43	0.48	0.59	
	Heating	A	0.34		0.38	0.43	0.48	0.59	
External finish (Munsell No.)			Galvanized steel plate						
Dimension H x W x D		mm	639 x 886 x 220		639 x 1,006 x 220		639 x 1,246 x 220		
		in.	25-3/16 x 34-15/16 x 8-11/16		25-3/16 x 39-5/8 x 8-11/16		25-3/16 x 49-1/16 x 8-11/1625 (56)		
Net weight		kg (lbs.)	21 (47)		24 (53)	25 (56)	29 (64)		
Heat exchanger			Cross fin (Aluminum plate fin and copper tube)						
Fan	Type x Quantity		Sirocco fan x 1			Sirocco fan x 2			
	Airflow rate (Lo-Mid-Hi)	m³/min	4.5-5.5-6.5			6.5-7.5-9.0	8.0-9.5-11.0	10.0-12.0-14.0	11.0-13.0-15.5
		L/s	75-92-108			108-125-150	133-158-183	167-200-233	183-217-258
		cfm	159-194-230			230-265-318	282-335-388	353-424-494	388-459-547
	External static pressure	*2	Pa		20/40/60				
Motor	Type		DC brushless motor						
	Output	kW	0.096						
Air filter			PP Honeycomb fabric (washable)						
Refrigerant pipe diameter	Gas	mm (in.)	ø12.7 (ø1/2) Brazed						ø15.88 (ø5/8) Brazed
	Liquid	mm (in.)	ø6.35 (ø1/4) Brazed						ø9.52 (ø3/8) Brazed
Field drain pipe diameter			I.D.26 (1) <Accessory hose O.D.27 (1-3/32) (top end :20 (13/16))>						
Sound pressure level (Lo-Mid-Hi)	20Pa	dB (A)	31-36-40		27-32-37	30-36-40	32-37-41	35-40-44	
	40Pa	dB (A)	34-39-42		30-35-41	32-38-42	35-40-44	36-42-47	
	60Pa	dB (A)	35-40-43		32-37-42	35-39-44	36-41-45	38-43-48	

Notes:

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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

pipe length : 7.5m(24-9/16ft) Height difference : 0m(0ft)

*2 The external static pressure is set to 20Pa at factory shipment.

*3 The sound pressure level in operation is measured at 1m apart from the front side and the bottom side of the unit in anechoic room.

(Noise meter A-scale value) Connect the duct of 1m in length to the air outlet.