

INDOOR UNIT

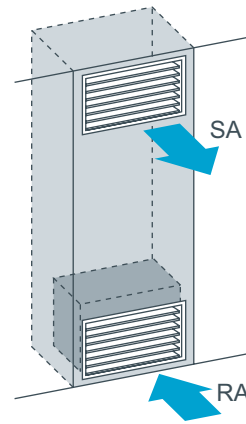
Floor mounted concealed type

PFFY-P VLRM-E

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Neatly installed with pericover concealed.
Easy installation in perimeter zone.



installation image
(PFFY-P VLRMM-E)

Compact unit for easy air conditioning in perimeter zone.

The body is concealed in the pericover to pursue harmony with the interior.
The compact body of 220mm(8-11/16in.) in depth can be easily installed in the perimeter zone.

Electronics dry function dehumidify refreshingly to prevent over-cooling.

Optimum dehumidification depending on indoor temperature to prevent over-cooling.
Refreshing dehumidification can be attained.

Maximum external static pressure 60Pa (VLRMM model)

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

Specifications

		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.) 18.5 (41)		20 (45)	21 (47)	25 (56)	27 (60)
Heat exchanger		Cross fin (Aluminum plate fin and copper tube)					
Fan	Type x Quauity	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	424-547
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
	*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		0.04	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 8-11/16	
Net weight		kg(lbs.) 18.5 (41)		20 (45)	21 (47)	25 (56)	27 (60)
Heat exchanger		Cross fin (Aluminum plate fin and copper tube)					
Fan	Type x Quauity	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 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		mm(in.) 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
	*3 60Pa	dB(A) 35-40-43		32-37-42	35-39-44	36-41-45	38-43-48

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
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.