



Model		PFFY-WP20VLRMM-E	PFFY-WP25VLRMM-E	PFFY-WP32VLRMM-E		
Power source		1-phase 220-230-240 V 50/60 Hz	1-phase 220-230-240 V 50/60 Hz	1-phase 220-230-240 V 50/60 Hz		
Cooling capacity (Nominal)	*1 kW	2.2	2.8	3.6		
	*1 kcal/h	1,900	2,400	3,100		
	*1 BTU/h	7,500	9,600	12,300		
	*2 Power input kW	0.040	0.040	0.050		
	*2 Current input A	0.35	0.35	0.47		
Heating capacity (Nominal)	*3 kW	2.5	3.2	4.0		
	*3 kcal/h	2,200	2,800	3,400		
	*3 BTU/h	8,500	10,900	13,600		
	*2 Power input kW	0.040	0.040	0.050		
	*2 Current input A	0.35	0.35	0.47		
External finish		Galvanized steel plate	Galvanized steel plate	Galvanized steel plate		
External dimension H x W x D		mm	639 x 886 x 220	639 x 1,006 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		
Net weight		kg(lbs)	22 (49)	25 (56)		
Heat exchanger		Cross fin (Aluminum fin and copper tube)		Cross fin (Aluminum fin and copper tube)		
		Water Volume L	0.9	1.3		
FAN		Type x Quantity		Sirocco fan x 1		
		*4 External static press.	Pa	20 - <40> - <60>	20 - <40> - <60>	
			mmHzO	2.0 - <4.1> - <6.1>	2.0 - <4.1> - <6.1>	
		Motor Type		DC motor		
		Motor output kW		0.096		
		Driving mechanism		Direct-driven by motor		
		Air flow rate		(Low-Mid-High)		
				m <sup>3</sup> /min	4.5 - 5.0 - 6.0	6.0 - 7.0 - 8.0
				L/s	75 - 83 - 100	100 - 117 - 133
cfm		159 - 177 - 212	212 - 247 - 282			
Sound pressure level (measured in anechoic room)		(Low-Mid-High)				
*2 dB <A>		31-33-38				
Insulation material		Polyethylene foam, Urethane foam				
Air filter		PP honeycomb fabric.				
Protection device		Fuse				
Connectable outdoor unit/HBC controller		CITY MULTI YLM series/ CMB-WP-V-GA1/CMB-WP-V-GB1				
Water piping diameter		*5,6 Inlet in.	Rc 3/4 screw			
		Outlet in.	Rc 3/4 screw			
Field drain pipe size		mm(in.)				
		I.D.26 (1) <Accessory hose O.D.27 (1-3/32) (top end: O.D.20 (13/16))>				
Standard attachment		Accessory				
		Insulation pipe for water pipe, Drain hose (flexible joint), Screw plate, Level adjusting screw, Hose band				

Notes :

- Nominal cooling conditions  
Indoor: 27°CDB./19°CWB. (81°FDB./66°FWB.), Outdoor: 35°CDB. (95°FDB.)  
Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)
- The values are measured at the factory setting of external static pressure.
- Nominal heating conditions  
Indoor: 20°CDB. (68°FDB.), Outdoor: 7°CDB./6°CWB. (45°FDB./43°FWB.)  
Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)
- The factory setting of external static pressure is shown without < > .  
Refer to "Fan characteristics curves", according to the external static pressure, in DATA BOOK for the usable range of air flow rate.
- Be sure to install a valve on the water outlet.
- Install a strainer (40 mesh or more) on the pipe next to the valve to remove any foreign matter.
- Please group units that operate on 1 branch.

Unit converter

kcal / h	=kW × 860
BTU / h	=kW × 3,412
cfm	=m <sup>3</sup> / min × 35.31
lbs	=kg / 0.4536

\*Above specification data is subject to rounding variation.

# - INDOOR UNIT -



Model			PFFY-WP40VLRMM-E	PFFY-WP50VLRMM-E	
Power source			1-phase 220-230-240 V 50/60 Hz		
Cooling capacity (Nominal)	*1	kW	4.5	5.6	
	*1	kcal/h	3,900	4,800	
	*1	BTU/h	15,400	19,100	
	*2	Power input	kW	0.050	0.070
	*2	Current input	A	0.47	0.65
Heating capacity (Nominal)	*3	kW	5.0	6.3	
	*3	kcal/h	4,300	5,400	
	*3	BTU/h	17,100	21,500	
	*2	Power input	kW	0.050	0.070
	*2	Current input	A	0.47	0.65
External finish			Galvanized steel plate		
External dimension H x W x D			mm		
			639 x 1,246 x 220		
			in.		
			25-3/16 x 49-1/16 x 8-11/16		
Net weight			kg(lbs)		
			29 (64)		
Heat exchanger			Cross fin (Aluminum fin and copper tube)		
Water Volume			L		
			1.5		
FAN			Sirocco fan x 2		
*4	Type x Quantity	Sirocco fan x 2			
	External static press.	Pa	20 - <40> - <60>		
		mmHzO	2.0 - <4.1> - <6.1>		
Motor Type			DC motor		
Motor output			kW		
			0.096		
Driving mechanism			Direct-driven by motor		
Air flow rate			(Low-Mid-High)		
			(Low-Mid-High)		
			m <sup>3</sup> /min		
			8.0 - 10.0 - 11.5		
			L/s		
			133 - 167 - 192		
			cfm		
			282 - 353 - 406		
Sound pressure level (measured in anechoic room)			(Low-Mid-High)		
			(Low-Mid-High)		
			dB <A>		
			34-37-40		
Insulation material			Polyethylene foam, Urethane foam		
Air filter			PP honeycomb fabric.		
Protection device			Fuse		
Connectable outdoor unit/HBC controller			CITY MULTI YLM series/CMB-WP-V-GA1/CMB-WP-V-GB1		
Water piping			Rc 3/4 screw		
Inlet diameter			in.		
Outlet diameter			in.		
			Rc 3/4 screw		
Field drain pipe size			mm(in.)		
			I.D.26 (1) <Accessory hose O.D.27 (1-3/32) (top end: O.D.20 (13/16))>		
Standard attachment			Insulation pipe for water pipe, Drain hose (flexible joint), Screw plate, Level adjusting screw, Hose band		
Accessory			Insulation pipe for water pipe, Drain hose (flexible joint), Screw plate, Level adjusting screw, Hose band		

## Notes :

- Nominal cooling conditions  
Indoor: 27°CDB./19°CWB. (81°FDB./66°FWB.), Outdoor: 35°CDB. (95°FDB.)  
Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)
- The values are measured at the factory setting of external static pressure.
- Nominal heating conditions  
Indoor: 20°CDB. (68°FDB.), Outdoor: 7°CDB./6°CWB. (45°FDB./43°FWB.)  
Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)
- The factory setting of external static pressure is shown without < > .  
Refer to "Fan characteristics curves", according to the external static pressure, in DATA BOOK for the usable range of air flow rate.
- Be sure to install a valve on the water outlet.
- Install a strainer (40 mesh or more) on the pipe next to the valve to remove any foreign matter.
- Please group units that operate on 1 branch.

## Unit converter

kcal / h	=kW × 860
BTU / h	=kW × 3,412
cfm	=m <sup>3</sup> / min × 35.31
lbs	=kg / 0.4536

\*Above specification data is subject to rounding variation.