

1. SPECIFICATIONS

Floor standing (Concealed type)

Model				PFFY-WP20VLRMM-E	PFFY-WP25VLRMM-E	PFFY-WP32VLRMM-E	PFFY-WP40VLRMM-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	1-phase 220-230-240 V 50/60 Hz	
Cooling capacity (Nominal)	*1	kW		2.2	2.8	3.6	4.5	
	*1	BTU/h		7,500	9,600	12,300	15,400	
(220V)	*2	Power input	kW	0.040	0.040	0.050	0.050	
	*2	Current input	A	0.35	0.35	0.47	0.47	
Heating capacity (Nominal)	*3	kW		2.5	3.2	4.0	5.0	
	*3	BTU/h		8,500	10,900	13,600	17,100	
(220V)	*2	Power input	kW	0.040	0.040	0.050	0.050	
	*2	Current input	A	0.35	0.35	0.47	0.47	
External finish				Galvanized steel plate	Galvanized steel plate	Galvanized steel plate	Galvanized steel plate	
External dimension H × W × D			mm	639 x 886 x 220	639 x 1,006 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 39-5/8 x 8-11/16	25-3/16 x 49-1/16 x 8-11/16	
Net weight			kg (lbs)	22 (49)	25 (56)	25 (56)	29 (64)	
Heat exchanger				Cross fin (Aluminum fin and copper tube)	Cross fin (Aluminum fin and copper tube)	Cross fin (Aluminum fin and copper tube)	Cross fin (Aluminum fin and copper tube)	
	Water Volume		L	0.9	1.3	1.3	1.5	
FAN	Type × Quantity			Sirocco fan x 1	Sirocco fan x 2	Sirocco fan x 2	Sirocco fan x 2	
	*4 External static press.	Pa		20 - <40> - <60>	20 - <40> - <60>	20 - <40> - <60>	20 - <40> - <60>	
		mmH ₂ O		2.0 - <4.1> - <6.1>	2.0 - <4.1> - <6.1>	2.0 - <4.1> - <6.1>	2.0 - <4.1> - <6.1>	
	Motor Type			DC motor	DC motor	DC motor	DC motor	
	Motor output			kW	0.096	0.096	0.096	
	Driving mechanism			Direct-driven by motor	Direct-driven by motor	Direct-driven by motor	Direct-driven by motor	
	Air flow rate			(Low-Mid-High)	(Low-Mid-High)	(Low-Mid-High)	(Low-Mid-High)	
				m ³ /min	4.5 - 5.0 - 6.0	6.0 - 7.0 - 8.0	7.5 - 9.0 - 10.5	8.0 - 10.0 - 11.5
				L/s	75 - 83 - 100	100 - 117 - 133	125 - 150 - 175	133 - 167 - 192
cfm				159 - 177 - 212	212 - 247 - 282	265 - 318 - 371	282 - 353 - 406	
Sound pressure level (measured in anechoic room)				(Low-Mid-High)	(Low-Mid-High)	(Low-Mid-High)	(Low-Mid-High)	
			*2 dB <A>	31.0-33.0-38.0	31.0-33.0-38.0	31.0-35.0-38.0	34.0-37.0-40.0	
Insulation material				Polyethylene foam, Urethane foam	Polyethylene foam, Urethane foam	Polyethylene foam, Urethane foam	Polyethylene foam, Urethane foam	
Air filter				PP honeycomb fabric.	PP honeycomb fabric.	PP honeycomb fabric.	PP honeycomb fabric.	
Protection device				Fuse	Fuse	Fuse	Fuse	
Refrigerant control device				-	-	-	-	
Connectable HBC				CMB-WM-V-AA, CMB-WM-F-AA, CMB-WM-V-BB	CMB-WM-V-AA, CMB-WM-F-AA, CMB-WM-V-BB	CMB-WM-V-AA, CMB-WM-F-AA, CMB-WM-V-BB	CMB-WM-V-AA, CMB-WM-F-AA, CMB-WM-V-BB	
Water piping diameter *5, 6								
	Connection size	Inlet	in.	Rc 3/4 screw	Rc 3/4 screw	Rc 3/4 screw	Rc 3/4 screw	
		Outlet	in.	Rc 3/4 screw	Rc 3/4 screw	Rc 3/4 screw	Rc 3/4 screw	
	Field pipe size	Inlet	mm I.D.	20	20	20	20	
		Outlet	mm I.D.	20	20	20	20	
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))>	I.D.26 (1) <Accessory hose O.D.27 (1-3/32) (top end: O.D.20 (13/16))>	I.D.26 (1) <Accessory hose O.D.27 (1-3/32) (top end: O.D.20 (13/16))>	
Drawing	External			KD94T792	KD94T792	KD94T792	KD94T792	
	Wiring			KD94T791	KD94T791	KD94T791	KD94T791	
	Refrigerant cycle			-	-	-	-	
Standard attachment	Document			Installation Manual, Instruction Book	Installation Manual, Instruction Book	Installation Manual, Instruction Book	Installation Manual, Instruction Book	
	Accessory			Insulation pipe for water pipe, Drain hose (flexible joint), Screw plate, Level adjusting screw, Hose band	Insulation pipe for water pipe, Drain hose (flexible joint), Screw plate, Level adjusting screw, Hose band	Insulation pipe for water pipe, Drain hose (flexible joint), Screw plate, Level adjusting screw, Hose band	Insulation pipe for water pipe, Drain hose (flexible joint), Screw plate, Level adjusting screw, Hose band	
Remarks				* Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual. * Due to continuing improvement, above specifications may be subject to change without notice.				

Notes:	Unit converter	
	BTU/h	=kW x 3.412
	cfm	=m ³ /min x 35.31
	lbs	=kg/0.4536
1.Nominal cooling conditions Indoor: 27°C.D.B./19°C.W.B. (81°F.D.B./66°F.W.B.), Outdoor: 35°C.D.B. (95°F.D.B.) Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.) 2.The values are measured at the factory setting of external static pressure. 3.Nominal heating conditions Indoor: 20°C.D.B. (68°F.D.B.), Outdoor: 7°C.D.B./6°C.W.B. (45°F.D.B./43°F.W.B.) Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.) 4.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. 5.Be sure to install a valve on the water outlet. 6.Install a strainer (40 mesh or more) on the pipe next to the valve to remove the foreign matters. 7.Please group units that operate on 1 branch.		
*Above specification data is subject to rounding variation.		

1. SPECIFICATIONS

Floor standing (Concealed type)

Model			PFFY-WP50VLRMM-E				
Power source			1-phase 220-230-240 V 50/60 Hz				
Cooling capacity (Nominal)	*1	kW	5.6				
	*1	BTU/h	19,100				
(220V)	*2	Power input	kW	0.070			
	*2	Current input	A	0.65			
Heating capacity (Nominal)	*3	kW	6.3				
	*3	BTU/h	21,500				
(220V)	*2	Power input	kW	0.070			
	*2	Current input	A	0.65			
External finish			Galvanized steel plate				
External dimension H × W × 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	Type × Quantity		Sirocco fan x 2				
	*4	External static press.	Pa	20 - <40> - <60>			
			mmH ₂ O	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 ³ /min	10.5 - 13.0 - 15.0			
L/s			175 - 217 - 250				
	cfm	371 - 459 - 530					
Sound pressure level (measured in anechoic room)			(Low-Mid-High)				
	*2	dB <A>	37.0-42.0-45.0				
Insulation material			Polyethylene foam, Urethane foam				
Air filter			PP honeycomb fabric.				
Protection device			Fuse				
Refrigerant control device			-				
Connectable HBC			CMB-WM-V-AA, CMB-WM-F-AA, CMB-WM-V-BB				
Water piping diameter			*5, 6				
	Connection size	Inlet	in.	Rc 3/4 screw			
		Outlet	in.	Rc 3/4 screw			
	Field pipe size	Inlet	mm I.D.	20			
		Outlet	mm I.D.	20			
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))>				
Drawing	External		KD94T792				
	Wiring		KD94T791				
	Refrigerant cycle		-				
Standard attachment	Document		Installation Manual, Instruction Book				
	Accessory		Insulation pipe for water pipe, Drain hose (flexible joint), Screw plate, Level adjusting screw, Hose band				
Remarks			* Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual. * Due to continuing improvement, above specifications may be subject to change without notice.				

Notes:			Unit converter		
1. Nominal cooling conditions			BTU/h =kW x 3,412		
Indoor: 27°C.D.B./19°C.W.B. (81°F.D.B./66°F.W.B.), Outdoor: 35°C.D.B. (95°F.D.B.)			cfm =m ³ /min x 35.31		
Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)			lbs =kg/0.4536		
2. The values are measured at the factory setting of external static pressure.					
3. Nominal heating conditions					
Indoor: 20°C.D.B. (68°F.D.B.), Outdoor: 7°C.D.B./6°C.W.B. (45°F.D.B./43°F.W.B.)					
Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)					
4. 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.					
5. Be sure to install a valve on the water outlet.					
6. Install a strainer (40 mesh or more) on the pipe next to the valve to remove the foreign matters.					
7. Please group units that operate on 1 branch.					
			*Above specification data is subject to rounding variation.		