

1. SPECIFICATIONS

Ceiling concealed (Low static pressure type)

Model			PEFY-WP32VMS1-E	PEFY-WP40VMS1-E	PEFY-WP50VMS1-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	3.6	4.5	5.6	
	*1	BTU/h	12,300	15,400	19,100	
(220V)	*2	Power input	0.071	0.090	0.090	
	*2	Current input	A	0.73	0.77	
Heating capacity (Nominal)	*3	kW	4.0	5.0	6.3	
	*3	BTU/h	13,600	17,100	21,500	
(220V)	*2	Power input	kW	0.070	0.070	
	*2	Current input	A	0.50	0.66	
External finish			Galvanized steel plate	Galvanized steel plate	Galvanized steel plate	
External dimension H × W × D			mm	200 x 990 x 700	200 x 990 x 700	
			in.	7-7/8 x 39 x 27-9/16	7-7/8 x 39 x 27-9/16	
Net weight			kg (lbs)	25 (56)	27 (60)	
Heat exchanger			Cross fin (Aluminum fin and copper tube)	Cross fin (Aluminum fin and copper tube)	Cross fin (Aluminum fin and copper tube)	
Water Volume			L	1.0	1.7	
FAN	Type × Quantity		Sirocco fan x 3	Sirocco fan x 3	Sirocco fan x 4	
	*4	External static press.	Pa	<5> - 15 - <35> - <50>	<5> - 15 - <35> - <50>	<5> - 15 - <35> - <50>
			mmH ₂ O	<0.5> - 1.5 - <3.6> - <5.1>	<0.5> - 1.5 - <3.6> - <5.1>	<0.5> - 1.5 - <3.6> - <5.1>
	Motor Type		DC motor	DC motor	DC motor	
	Motor output		kW	0.096	0.096	
	Driving mechanism		Direct-driven by motor	Direct-driven by motor	Direct-driven by motor	
	Air flow rate		(Low-Mid-High)	(Low-Mid-High)	(Low-Mid-High)	
m ³ /min			8.0 - 9.0 - 11.0	9.5 - 11.0 - 13.0	12.0 - 14.0 - 16.5	
L/s			133 - 150 - 183	158 - 183 - 217	200 - 233 - 275	
		cfm	282 - 318 - 388	335 - 388 - 459	424 - 494 - 583	
Sound pressure level (measured in anechoic room)			(Low-Mid-High)	(Low-Mid-High)	(Low-Mid-High)	
			*2	dB <A>	28.0-30.0-33.0	
Insulation material			EPS, Polyethylene foam, Urethane foam	EPS, Polyethylene foam, Urethane foam	EPS, Polyethylene foam, Urethane foam	
Air filter			PP honeycomb fabric.	PP honeycomb fabric.	PP honeycomb fabric.	
Protection device			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	
Water piping diameter *5, 6						
Connection size	Inlet	in.	Rc 3/4 screw	Rc 3/4 screw	Rc 3/4 screw	
		Outlet	Rc 3/4 screw	Rc 3/4 screw	Rc 3/4 screw	
Field pipe size	Inlet	mm I.D.	20	20	20	
		Outlet	mm I.D.	20	20	
Field drain pipe size			mm (in.)	O.D.32 (1-1/4)	O.D.32 (1-1/4)	
Drawing	External		KD94T794	KD94T794	KD94T794	
	Wiring		KD94T793	KD94T793	KD94T793	
	Refrigerant cycle		-	-	-	
Standard attachment	Document		Installation Manual, Instruction Book	Installation Manual, Instruction Book	Installation Manual, Instruction Book	
	Accessory		Insulation pipe for water pipe, Washer, Drain hose, Tie band	Insulation pipe for water pipe, Washer, Drain hose, Tie band	Insulation pipe for water pipe, Washer, Drain hose, Tie band	
Optional parts	Control Box Replace kit		PAC-KE70HS-E	PAC-KE70HS-E	PAC-KE70HS-E	
	Plasma Quad Connect		MAC-100FT-E	MAC-100FT-E	MAC-100FT-E	
	PQ attachment		PAC-HA11PAR	PAC-HA11PAR	PAC-HA11PAR	
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 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.)	BTU/h =kW x 3,412
2. The values are measured at the factory setting of external static pressure.	cfm =m ³ /min x 35.31
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.)	lbs =kg/0.4536
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.	*Above specification data is subject to rounding variation.
7. Please group units that operate on 1 branch.	