

1. SPECIFICATIONS

Ceiling concealed (Low static pressure type)

PEFY-W-VMS-A

Model			PEFY-W10VMS-A	PEFY-W15VMS-A	PEFY-W20VMS-A	PEFY-W25VMS-A	
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) (220V)	*1	kW	1.2	1.7	2.2	2.8	
		BTU/h	4,100	5,800	7,500	9,600	
	*2	Power input	kW	0.020	0.025	0.030	0.035
		Current input	A	0.16	0.24	0.26	0.30
Heating capacity (Nominal) (220V)	*3	kW	1.4	1.9	2.5	3.2	
		BTU/h	4,800	6,500	8,500	10,900	
	*2	Power input	kW	0.020	0.025	0.030	0.035
		Current input	A	0.16	0.24	0.26	0.30
External finish			Galvanized steel plate	Galvanized steel plate	Galvanized steel plate	Galvanized steel plate	
External dimension H × W × D		mm	200 x 790 x 700	200 x 790 x 700	200 x 790 x 700	200 x 790 x 700	
		in.	7-7/8 x 31-1/8 x 27-9/16	7-7/8 x 31-1/8 x 27-9/16	7-7/8 x 31-1/8 x 27-9/16	7-7/8 x 31-1/8 x 27-9/16	
Net weight		kg (lbs)	19 (42)	19 (42)	19 (42)	19 (42)	
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	0.7	0.7	0.9	0.9	
FAN	Type × Quantity		Sirocco fan x 2	Sirocco fan x 2	Sirocco fan x 2	Sirocco fan x 2	
	*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	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	4.0 - 4.5 - 5.0	5.0 - 5.5 - 7.0	5.5 - 6.5 - 7.5	5.5 - 6.5 - 8.5
			L/s	67 - 75 - 83	83 - 92 - 117	92 - 108 - 125	92 - 108 - 142
			cfm	141 - 159 - 177	177 - 194 - 247	194 - 230 - 265	194 - 230 - 300
Sound pressure level (measured in anechoic room)			(Low-Mid-High)	(Low-Mid-High)	(Low-Mid-High)	(Low-Mid-High)	
*2 dB <A>		20.0-22.0-23.0	22.0-24.0-25.0	23.0-24.0-26.0	23.0-24.0-28.0		
Insulation material			Polystyrene foam, Polyethylene foam, Urethane foam	Polystyrene foam, Polyethylene foam, Urethane foam	Polystyrene foam, Polyethylene foam, Urethane foam	Polystyrene 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			Flow control valve	Flow control valve	Flow control valve	Flow control valve	
Connectable HBC/Hydro unit			CMB-WM-V-AA, CMB-WM-F-AA, CMB-WM-V-BB/CMH-WM-V-A	CMB-WM-V-AA, CMB-WM-F-AA, CMB-WM-V-BB/CMH-WM-V-A	CMB-WM-V-AA, CMB-WM-F-AA, CMB-WM-V-BB/CMH-WM-V-A	CMB-WM-V-AA, CMB-WM-F-AA, CMB-WM-V-BB/CMH-WM-V-A	
Water piping diameter			*5, 6				
	Connection size	Inlet	mm O.D.	22	22	22	
		Outlet	mm O.D.	22	22	22	
	Field pipe size	Inlet	mm I.D.	20	20	20	
		Outlet	mm I.D.	20	20	20	
Field drain pipe size		mm (in.)	O.D.32 (1-1/4)	O.D.32 (1-1/4)	O.D.32 (1-1/4)	O.D.32 (1-1/4)	
Drawing	External		KL94R872, KL94R873	KL94R872, KL94R873	KL94R872, KL94R873	KL94R872, KL94R873	
	Wiring		KL94R874	KL94R874	KL94R874	KL94R874	
	Refrigerant cycle		-	-	-	-	
Standard attachment	Document		Installation Manual, Instruction Book	Installation Manual, Instruction Book	Installation Manual, Instruction Book	Installation Manual, Instruction Book	
	Accessory		Washer, Drain hose, Tie band	Washer, Drain hose, Tie band	Washer, Drain hose, Tie band	Washer, Drain hose, Tie band	
Optional parts	Drain pump kit		PAC-KE08DM-E	PAC-KE08DM-E	PAC-KE08DM-E	PAC-KE08DM-E	
	Plasma Quad Connect		MAC-100FT-E	MAC-100FT-E	MAC-100FT-E	MAC-100FT-E	
	PQ attachment		PAC-HA11PAR	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 inlet/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 of HBC.		
		*Above specification data is subject to rounding variation.

1. SPECIFICATIONS

Ceiling concealed (Low static pressure type)

Model			PEFY-W32VMS-A	PEFY-W40VMS-A	PEFY-W50VMS-A		
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) (220V)	*1	kW	3.6	4.5	5.6		
		BTU/h	12,300	15,400	19,100		
	*2	Power input	kW	0.040	0.045	0.070	
		Current input	A	0.37	0.39	0.55	
Heating capacity (Nominal) (220V)	*3	kW	4.0	5.0	6.3		
		BTU/h	13,600	17,100	21,500		
	*2	Power input	kW	0.040	0.045	0.070	
		Current input	A	0.37	0.39	0.55	
External finish			Galvanized steel plate	Galvanized steel plate	Galvanized steel plate		
External dimension H × W × D		mm	200 x 790 x 700	200 x 990 x 700	200 x 990 x 700		
		in.	7-7/8 x 31-1/8 x 27-9/16	7-7/8 x 39 x 27-9/16	7-7/8 x 39 x 27-9/16		
Net weight		kg (lbs)	19.5 (45)	23.5 (53)	23.5 (53)		
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	1.0	1.0		
FAN	Type × Quantity		Sirocco fan x 2	Sirocco fan x 3	Sirocco fan x 3		
	*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	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	5.5 - 6.5 - 9.0	8.0 - 9.5 - 11.0	9.5 - 12.0 - 14.5	
			L/s	92 - 108 - 150	133 - 158 - 183	158 - 200 - 242	
			cfm	194 - 230 - 318	282 - 335 - 388	335 - 424 - 512	
Sound pressure level (measured in anechoic room)			(Low-Mid-High)	(Low-Mid-High)	(Low-Mid-High)		
			*2 dB <A>	24.0-25.0-31.0	24.0-25.0-28.0	25.0-29.0-33.0	
Insulation material			Polystyrene foam, Polyethylene foam, Urethane foam	Polystyrene foam, Polyethylene foam, Urethane foam	Polystyrene foam, Polyethylene foam, Urethane foam		
Air filter			PP honeycomb fabric.	PP honeycomb fabric.	PP honeycomb fabric.		
Protection device			Fuse	Fuse	Fuse		
Refrigerant control device			Flow control valve	Flow control valve	Flow control valve		
Connectable HBC/Hydro unit			CMB-WM-V-AA, CMB-WM-F-AA, CMB-WM-V-BB/CMH-WM-V-A	CMB-WM-V-AA, CMB-WM-F-AA, CMB-WM-V-BB/CMH-WM-V-A	CMB-WM-V-AA, CMB-WM-F-AA, CMB-WM-V-BB/CMH-WM-V-A		
Water piping diameter			*5, 6				
	Connection size	Inlet	mm O.D.	22	22	22	
		Outlet	mm O.D.	22	22	22	
	Field pipe size	Inlet	mm I.D.	20	20	20	
		Outlet	mm I.D.	20	20	20	
Field drain pipe size		mm (in.)	O.D.32 (1-1/4)	O.D.32 (1-1/4)	O.D.32 (1-1/4)		
Drawing	External		KL94R872, KL94R873	KL94R872, KL94R873	KL94R872, KL94R873		
	Wiring		KL94R874	KL94R874	KL94R874		
	Refrigerant cycle		-	-	-		
Standard attachment	Document		Installation Manual, Instruction Book	Installation Manual, Instruction Book	Installation Manual, Instruction Book		
	Accessory		Washer, Drain hose, Tie band	Washer, Drain hose, Tie band	Washer, Drain hose, Tie band		
Optional parts	Drain pump kit		PAC-KE08DM-E	PAC-KE08DM-E	PAC-KE08DM-E		
	Plasma Quad Connect		MAC-100FT-E	MAC-100FT-E	MAC-100FT-E		
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