

1. SPECIFICATIONS

Ceiling suspended

PCFY-WL-VKM-E

Model			PCFY-WL40VKM-E	PCFY-WL63VKM-E	PCFY-WL80VKM-E	PCFY-WL100VKM-E		
Power source			1-phase 220-240V 50Hz, 1-phase 220V 60Hz	1-phase 220-240V 50Hz, 1-phase 220V 60Hz	1-phase 220-240V 50Hz, 1-phase 220V 60Hz	1-phase 220-240V 50Hz, 1-phase 220V 60Hz		
Cooling capacity (Nominal)	*1	kW	4.5	7.1	9.0	11.2		
	*1	BTU/h	15,400	24,200	38,200	47,800		
	*2	Power input	kW	0.06	0.08	0.11		
	*2	Current input	A	0.52	0.69	0.95		
Heating capacity (Nominal)	*3	kW	5.0	8.0	10.0	12.5		
	*3	BTU/h	17,100	27,300	42,700	54,600		
	*2	Power input	kW	0.06	0.08	0.11		
	*2	Current input	A	0.52	0.69	0.95		
External finish			MUNSELL (6.4Y 8.9/0.4)	MUNSELL (6.4Y 8.9/0.4)	MUNSELL (6.4Y 8.9/0.4)	MUNSELL (6.4Y 8.9/0.4)		
External dimension H × W × D		mm	230×960×680	230×1280×680	230×1600×680	230×1600×680		
		in.	9-1/16×37-13/16×26-3/4	9-1/16×50-3/8×26-3/4	9-1/16×63×26-3/4	9-1/16×63×26-3/4		
Net weight		kg (lbs)	25 (55)	32 (71)	39 (86)	39 (86)		
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	1.1	1.9	2.5	2.5		
FAN	Type × Quantity		Sirocco fan x 2	Sirocco fan x 3	Sirocco fan x 4	Sirocco fan x 4		
	External static press.	Pa	0	0	0	0		
		mmH ₂ O	0	0	0	0		
	Motor Type		DC motor	DC motor	DC motor	DC motor		
	Motor output		kW	0.090	0.095	0.160	0.160	
	Driving mechanism		Direct-driven by motor	Direct-driven by motor	Direct-driven by motor	Direct-driven by motor		
	Air flow rate		(Low-Mid2-Mid1-High)	(Low-Mid2-Mid1-High)	(Low-Mid2-Mid1-High)	(Low-Mid2-Mid1-High)		
			m ³ /min	10-11-12-13	15-17-19-21	22-23-25-27	22-25-28-31	
L/s			167-183-200-217	233-250-267-300	350-400-433-467	350-400-450-517		
Sound pressure level (measured in anechoic room)			(Low-Mid2-Mid1-High)	(Low-Mid2-Mid1-High)	(Low-Mid2-Mid1-High)	(Low-Mid2-Mid1-High)		
			*2	dB <A>	32-35-37-39	34-37-40-43	39-40-42-44	39-42-45-47
Insulation material			Polyeter sheet	Polyeter sheet	Polyeter sheet	Polyeter sheet		
Air filter			PP honeycomb	PP honeycomb	PP honeycomb	PP honeycomb		
Protection device			Fuse	Fuse	Fuse	Fuse		
Refrigerant control device			-	-	-	-		
Connectable HBC/Hydro unit			CMB-WM-V-AA, CMB-WM-V-AB/CMH-WM-V-A	CMB-WM-V-AA, CMB-WM-V-AB/CMH-WM-V-A	CMB-WM-V-AA, CMB-WM-V-AB/CMH-WM-V-A	CMB-WM-V-AA, CMB-WM-V-AB/CMH-WM-V-A		
Water piping diameter			*4, 5					
	Connection size	Inlet	mm O.D.	22	22	22		
		Outlet	mm O.D.	22	22	22		
	Field pipe size	Inlet	mm I.D.	20	30	30		
		Outlet	mm I.D.	20	30	30		
Field drain pipe size			mm (in.)	O.D.26 (1)	O.D.26 (1)	O.D.26 (1)		
Drawing	External		RG01V955	RG01V955	RG01V955	RG01V955		
	Wiring		RH79B150	RH79B150	RH79B150	RH79B150		
	Refrigerant cycle		-	-	-	-		
Standard attachment	Document		Installation Manual, Instruction Book	Installation Manual, Instruction Book	Installation Manual, Instruction Book	Installation Manual, Instruction Book		
	Accessory		-	-	-	-		
Optional parts	High efficiency filter		PAC-SH88KF-E	PAC-SH89KF-E	PAC-SH90KF-E	PAC-SH90KF-E		
	Wireless remote controller kit		PAR-SL94B-E	PAR-SL94B-E	PAR-SL94B-E	PAR-SL94B-E		
	Anti-allergy enzyme filter		PAC-SK48KF-E	PAC-SK49KF-E	PAC-SK50KF-E	PAC-SK50KF-E		
	V Blocking filter		PAC-SK55KF-E	PAC-SK56KF-E	PAC-SK57KF-E	PAC-SK57KF-E		
	Wired remote controller kit		PAR-41MAA	PAR-41MAA	PAR-41MAA	PAR-41MAA		
	Valve kit	*6	PAC-SK35VK-E	PAC-SK35VK-E	PAC-SK35VK-E	PAC-SK35VK-E		
		6m Lead wire	PAC-SK40LW-E	PAC-SK40LW-E	PAC-SK40LW-E	PAC-SK40LW-E		
Attachment plate		PAC-SK39AP-E	PAC-SK39AP-E	PAC-SK39AP-E	PAC-SK39AP-E			
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:

- 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.)
- The values are measured at the factory setting of external static pressure.
- 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.)
- Be sure to install a valve on the water inlet/outlet.
- Install a strainer (40 mesh or more) on the pipe next to the valve to remove the foreign matters.
- Certain restrictions apply to indoor unit combinations.
Refer to the section on the valve kit in the chapter "OPTIONAL PARTS" in the DATA BOOK for the restrictions.
When the valve kit is installed farther away from the HBC than the distance between the HBC and the WL-model indoor unit, the maximum allowable height difference between the HBC and the valve kit is 15 meters.
The maximum allowable piping length between the indoor unit and the valve kit is 5 meters.
- Please group units that operate on 1 branch of HBC controller.

Unit converter

BTU/h =kW x 3.412
cfm =m³/min x 35.31
lbs =kg/0.4536

*Above specification data is subject to rounding variation.