

1. SPECIFICATIONS

Wall mounted

PKFY-WL-VLM-E

Model				PKFY-WL10VLM-E		PKFY-WL15VLM-E		PKFY-WL20VLM-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			
Cooling capacity (Nominal)		*1	kW	1.2		1.7		2.2			
		*1	BTU / h	4,100		5,800		7,500			
(220V)		Power input		kW		0.02		0.03			
		Current input		A		0.20		0.25			
Heating capacity (Nominal)		*2	kW	1.4		1.9		2.5			
		*2	BTU / h	4,800		6,500		8,500			
(220V)		Power input		kW		0.01		0.02			
		Current input		A		0.15		0.20			
External finish				Plastic, MUNSELL (0.7PB 9.2/0.4)		Plastic, MUNSELL (0.7PB 9.2/0.4)		Plastic, MUNSELL (0.7PB 9.2/0.4)			
External dimension HxWxD			mm	299x773x237		299x773x237		299x773x237			
			in.	11-25/32 x 30-7/16 x 9-11/32		11-25/32 x 30-7/16 x 9-11/32		11-25/32 x 30-7/16 x 9-11/32			
Net weight			kg(lbs)	11 (25)		11 (25)		11 (25)			
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	0.6		0.7			
FAN		Type x Quantity		Line flow fan x 1		Line flow fan x 1		Line flow fan x 1			
		External static press.		Pa	0		0		0		
				mmH ₂ O	0		0		0		
		Motor Type		DC motor		DC motor		DC motor			
		Motor output		kW	0.030		0.030		0.030		
		Driving mechanism		Direct-driven by motor		Direct-driven by motor		Direct-driven by motor			
		Airflow rate (Low-Mid2-Mid1-High)		m ³ / min	3.3-3.8-4.1-4.5		3.3-3.8-4.3-4.9		4.0-5.0-6.0-7.0		
				L/s	55-63-68-75		55-63-72-82		67-83-100-117		
cfm	117-134-145-159			117-134-152-173		141-177-212-247					
Sound pressure level (measured in anechoic room) (Low-Mid2-Mid1-High)				dB <A>	22-26-28-30		22-26-29-32		22-28-33-36		
Insulation material				Polyethylene sheet		Polyethylene sheet		Polyethylene sheet			
Air filter				PP honeycomb		PP honeycomb		PP honeycomb			
Protection device				Fuse		Fuse		Fuse			
Refrigerant control device				-		-		-			
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		Connection size		Inlet	in.	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	
		Field pipe size		Inlet	mm I.D	20		20		20	
				Outlet	mm I.D	20		20		20	
Field drain pipe size				mm(in.)	I.D. 16(5/8)		I.D. 16(5/8)		I.D. 16(5/8)		
Drawing		External		BT01B059		BT01B059		BT01B059			
		Wiring		RH79C061		RH79C061		RH79C061			
		Refrigerant cycle		-		-		-			
Standard attachment				Installation Manual, Instruction Book		Installation Manual, Instruction Book		Installation Manual, Instruction Book			
Optional parts		Document		Mount board, Screw, Felt tape, Compression joint, L-shape connection pipe A/B, Compression joint ring (ø15), Insulation, Tie band		Mount board, Screw, Felt tape, Compression joint, L-shape connection pipe A/B, Compression joint ring (ø15), Insulation, Tie band		Mount board, Screw, Felt tape, Compression joint, L-shape connection pipe A/B, Compression joint ring (ø15), Insulation, Tie band			
		Valve kit		*5		PAC-SK35VK-E		PAC-SK35VK-E		PAC-SK35VK-E	
				6m Lead wire		PAC-SK40LW-E		PAC-SK40LW-E		PAC-SK40LW-E	
				Attachment plate		PAC-SK39AP-E		PAC-SK39AP-E		PAC-SK39AP-E	
		Plasma Quad Connect		MAC-100FT-E		MAC-100FT-E		MAC-100FT-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 specification 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.)
 - 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 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.

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.

1. SPECIFICATIONS

Wall mounted

Model				PKFY-WL25VLM-E		PKFY-WL32VLM-E		PKFY-WL40VLM-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		
Cooling capacity (Nominal)		*1	kW	2.8		3.6		4.5		
		*1	BTU / h	9,600		12,300		15,400		
(220V)	Power input		kW	0.04		0.04		0.05		
	Current input		A	0.35		0.35		0.45		
Heating capacity (Nominal)		*2	kW	3.2		4.0		5.0		
		*2	BTU / h	10,900		13,600		17,100		
(220V)	Power input		kW	0.03		0.03		0.04		
	Current input		A	0.30		0.30		0.40		
External finish				Plastic, MUNSELL (0.7PB 9.2/0.4)		Plastic, MUNSELL (0.7PB 9.2/0.4)		Plastic, MUNSELL (0.7PB 9.2/0.4)		
External dimension HxWxD			mm	299x773x237		299x898x237		299x898x237		
			in.	11-25/32 x 30-7/16 x 9-11/32		11-25/32 x 35-3/8 x 9-11/32		11-25/32 x 35-3/8 x 9-11/32		
Net weight			kg(lbs)	11 (25)		13(29)		13(29)		
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	0.7		1.0		1.1		
FAN	Type x Quantity			Line flow fan x 1		Line flow fan x 1		Line flow fan x 1		
	External static press.		Pa	0		0		0		
			mmH ₂ O	0		0		0		
	Motor Type			DC motor		DC motor		DC motor		
	Motor output		kW	0.030		0.030		0.030		
	Driving mechanism			Direct-driven by motor		Direct-driven by motor		Direct-driven by motor		
	Airflow rate (Low-Mid2-Mid1-High)		m ³ / min	4.0-5.4-7.0-8.4		6.3-7.6-9.0-10.4		6.4-8.2-10.0-11.9		
			L/s	67-90-117-140		105-127-150-173		107-137-167-198		
			cfm	141-191-247-297		222-268-318-367		226-290-353-420		
Sound pressure level (measured in anechoic room) (Low-Mid2-Mid1-High)				dB <A>	22-30-36-41		29-34-38-41		30-36-41-45	
Insulation material				Polyethylene sheet		Polyethylene sheet		Polyethylene sheet		
Air filter				PP honeycomb		PP honeycomb		PP honeycomb		
Protection device				Fuse		Fuse		Fuse		
Refrigerant control device				-		-		-		
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	Connection size	Inlet	in.	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		
	Field pipe size	Inlet	mm I.D	20		20		20		
		Outlet	mm I.D	20		20		20		
Field drain pipe size			mm(in.)	I.D. 16(5/8)		I.D. 16(5/8)		I.D. 16(5/8)		
Drawing	External			BT01B059		BT01B060		BT01B060		
	Wiring			RH79C061		RH79C061		RH79C061		
	Refrigerant cycle			-		-		-		
Standard attachment	Document			Installation Manual, Instruction Book		Installation Manual, Instruction Book		Installation Manual, Instruction Book		
	Accessory			Mount board, Screw, Felt tape, Compression joint, L-shape connection pipe A/B, Compression joint ring (ø15), Insulation, Tie band		Mount board, Screw, Felt tape, Compression joint, L-shape connection pipe A/B, Compression joint ring (ø15), Insulation, Tie band		Mount board, Screw, Felt tape, Compression joint, L-shape connection pipe A/B, Compression joint ring (ø15), Insulation, Tie band		
Optional parts	Drain pump kit			PAC-SK01DM-E		PAC-SK01DM-E		PAC-SK01DM-E		
	Valve kit	*5			PAC-SK35VK-E		PAC-SK35VK-E		PAC-SK35VK-E	
		6m Lead wire	Attachment plate		PAC-SK40LW-E		PAC-SK40LW-E		PAC-SK40LW-E	
			Attachment plate		PAC-SK39AP-E		PAC-SK39AP-E		PAC-SK39AP-E	
	Plasma Quad Connect			MAC-100FT-E		MAC-100FT-E		MAC-100FT-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 specification 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 cfm =m³/min x 35.31 lbs =kg/0.4536
2.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.)	
3.Be sure to install a valve on the water outlet.	
4.Install a strainer (40 mesh or more) on the pipe next to the valve to remove the foreign matters.	
5.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.	
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