

Hybrid Air Conditioning Systems

PKFY-WL VLM-E

PRODUCT FLYER



The new Mitsubishi Electric wall mounted PKFY air conditioners have taken a step forward with the HVRF system. Featuring a water-cooled indoor unit, it eliminates the presence of refrigerant gas in the conditioned space, typically allowing it to produce a milder, more comfortable supply air temperature. With a modern, stylish design, compact dimensions and quiet operation, the PKFY-WL VLM-E is perfect for buildings like hotels and doctor's surgeries.



Modern Design

Combining both sophisticated style and function, the sharp, yet simple design harmonises beautifully with the straight lines created by the intersection of the walls, floor and ceiling of the space.



Quiet Operation

We recognise that noise affects comfort, so we constantly work to make our air conditioners as quiet as possible. We want you to feel the comfort not hear it. Noise levels for the PKFY-WL10-25VLM-E models can achieve 22dB in low fan mode.



Airflow Control

Optimise your airflow control through wide vane settings, with both vertical and horizontal vanes allowing air distribution and comfort.

Features

- » Weekly Timer
- » Airflow Directional Setting
- » Dual Set-point (Auto Mode)
- » Quiet Operation
- » Wi-Fi Control (optional adapter required per unit)
- » Google Assistant & Amazon Alexa Compatible (with optional Wi-Fi adapter and Google Home or Amazon Echo device required)
- » Interlock With Lossnay (Optional MA or Centralized controller Controller Required)

SPECIFICATIONS

Model			PKFY-WL10VLM-E	PKFY-WL15VLM-E	PKFY-WL20VLM-E	PKFY-WL25VLM-E	PKFY-WL32VLM-E	PKFY-WL40VLM-E	
Power Source			1-phase 220-240 V 50 Hz, 1-phase 220-230 V 60 Hz						
Cooling Capacity (Nominal) *1	kW		1.2	1.7	2.2	2.8	3.6	4.5	
	kcal/h		1000	1500	1900	2400	3100	3900	
	BTU/h		4100	5800	7500	9600	12300	15400	
	Power input kW		0.02	0.02	0.03	0.04	0.04	0.05	
	Current input A		0.20	0.20	0.25	0.35	0.35	0.45	
Heating Capacity (Nominal) *2	kW		1.4	1.9	2.5	3.2	4.0	5.0	
	kcal/h		1200	1600	2200	2800	3400	4300	
	BTU/h		4800	6500	8500	10900	13600	17100	
	Power input kW		0.01	0.01	0.02	0.03	0.03	0.04	
	Current input A		0.15	0.15	0.20	0.30	0.30	0.40	
External finish (Munsell No.)			Plastic (0.7PB 9.2/.04)						
External dimension (HxWxD)	mm		299 x 773 x 237				299 x 898 x 237		
	in.		11-25/32 x 30-7/16 x 9-11/32				11-25/32 x 35-3/8 x 9-11/32		
Net weight	kg (lb)		11(25)				13(29)		
Heat exchanger			Cross fin (Aluminium fin and copper tube)						
	Water Volume L		0.6		0.7		1.0	1.1	
Fan	Type x Quantity		Line flow fan x1						
	External static press	Pa (mmH2O)	0 (0)						
	Motor type		DC motor						
	Motor output	kW	0.03						
	Driving mechanism		Direct driven						
	Airflow rate (Low-Mid2-Mid1-High)	m³/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	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		55-63-68-75	55-63-72-82	67-83-100-117	67-90-117-140	105-127-150-173	107-137-167-198
cfm			117-134-145-159	117-134-152-173	141-177-212-247	141-191-247-297	222-268-318-367	226-290-353-420	
Sound pressure level (Low-Mid2-Mid1-High) (measured in anechoic room at 1m)		dB <A>	22-26-28-30	22-26-29-32	22-28-33-36	22-30-36-41	29-34-38-41	30-36-41-45	
Insulation material			Polyethylene sheet						
Air filter			PP Honeycomb						
Protection device			Fuse						
Connectable outdoor unit/HBC controller/Hydro unit			HYBRID CITY MULTI/CMB-WM-V-AA, CMB-WM-V-AB/CMH-WM-V-A						
Diameter of refrigerant pipe	Inlet	mm (in.)	Rc 3/4 screw						
	Outlet	mm (in.)	Rc 3/4 screw						
Field drain pipe size *3,*4			I.D. 16 (5/8)						
Optional parts	Drain pump kit		PAC-SK01DM-E						
	Valve kit *5		PAC-SK04VK-E						

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.
- When using the W-type and the WL-type indoor units in the same system, install the Valve kit on all WL-type indoor units.
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.
*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.



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