

CITY MULTI PLFY-P VBM-E

INDOOR UNIT - 4-WAY CASSETTE



The VBM 4-way cassette model offers 72 different selectable air flow configurations and is the **ideal solution** for applications with high ceilings up to 4.2 m.

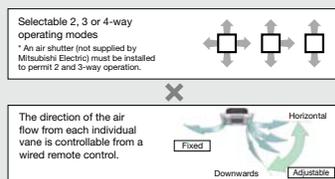


Wide air flow

Individually settable vanes

The ability to set the optimum position for each air distribution vane ensures superlative comfort throughout the whole room.

As well as offering different air flow delivery modes (2, 3 or 4-way), this function also makes it possible to select the vertical air flow independently for each vane, to maintain a comfortable and uniformly distributed ambient temperature.



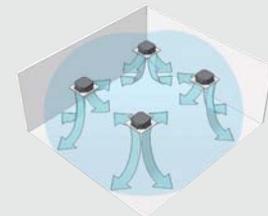
72 settable air flows

Air flow distributed over a wide area

The wide-angle outlet vents distribute air effectively into every corner of the room.

The outlet vents are larger than on previous models, while the shape of the vents has been optimised to improve ventilation over a broader area.

Illustration of multi-directional air-conditioning



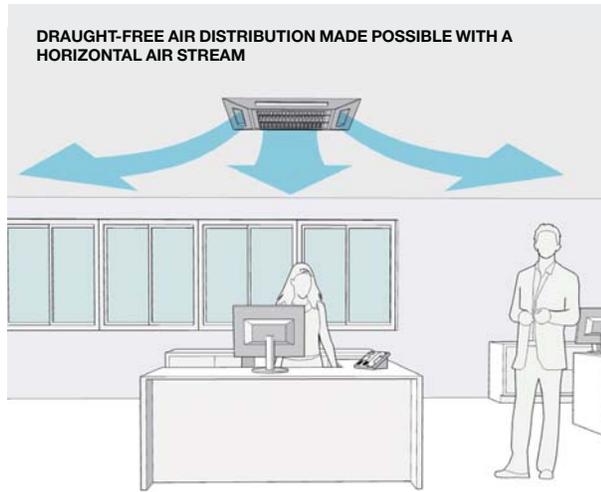
Individually settable vanes + Wide Airflow



The ability to set each single air vane to achieve the ideal air flow for the layout of the individual room, combined with the wide angle outlet air flow function, ensures uniform temperature distribution in every room. The result is homogeneous, comfortable air conditioning.

Draught-free air distribution

The innovative new horizontal stream mode distributes air horizontally without directing cooled/heated air directly onto the persons in the air conditioned space, avoiding the perceived sense of discomfort caused by overexposure to the air flow.



Automatic fan speed adjustment

The automatic fan speed adjustment mode ensures fast, comfortable heating as soon as heating mode is activated. Automatic fan speed control is included in the four standard modes "Low", "Medium1", "Medium2" and "High", and ensures faster, comfortable air conditioning by increasing the air flow speed on activation and then reducing speed once stable comfort levels are attained.



Condensate drain pump

The VBM series features a built-in condensate drain pump.

TECHNICAL SPECIFICATIONS

MODEL		PLFY-P20VBM-E	PLFY-P25VBM-E	PLFY-P32VBM-E	PLFY-P40VBM-E	PLFY-P50VBM-E	PLFY-P63VBM-E	PLFY-P80VBM-E	PLFY-P100VBM-E	PLFY-P125VBM-E	
Power		A single phase, 220-240V 50Hz / a single phase, 200V 60Hz									
Capacity in cooling mode*1	kW	2,2	2,8	3,6	4,5	5,6	7,1	9,0	11,2	14,0	
	Btu/h	7500	9600	12,300	15,400	19,100	24,200	30,700	38,200	47,800	
Capacity in heating mode*1	kW	2,5	3,2	4,0	5,0	6,3	8,0	10,0	12,5	16,0	
	Btu/h	8500	10900	13,600	17,100	21,500	27,300	34,100	42,700	54,600	
Power consumption	Cooling kW	0,03	0,03	0,03	0,04	0,04	0,05	0,07	0,15	0,16	
	Heating kW	0,02	0,02	0,02	0,03	0,03	0,04	0,06	0,14	0,15	
Current	Cooling A	0,26	0,26	0,22	0,29	0,29	0,36	0,51	1,00	1,07	
	Heating A	0,19	0,19	0,14	0,22	0,22	0,29	0,43	0,94	1,00	
External finish (Munsel No.)	Unit	Galvanised steel sheet									
	Grille	White (6.4Y 8.9/0.4)									
Dimensions (HxLxW)	Unit mm	258x840x840							298x840x840		
	Grille mm	35x950x950									
Net weight	Unit kg	22					23			27	
	Grille kg	6									
Heat exchanger		Cross fins (sheet aluminium fins and copper piping)									
Fan	Type x Quantity	Turbo fan x 1									
	Air flow*2	m ³ /min	12.5-12-11.5-11	11-12-13-14	12-13-14-16	14-15-16-18	16-18-20-22	21-24-27-29	22-25-28-30		
		l/s	208-200-192-183	183-200-217-233	200-217-233-267	233-250-267-300	267-300-333-367	350-400-450-483	367-417-467-500		
	cfm	441-424-406-388	388-424-459-494	424-459-494-565	494-530-565-636	565-636-706-777	742-848-953-1024	777-883-989-1059			
Static ext.l pressure	Pa	0									
Motor	Type	DC motor									
	Power output kW	0.050								0.120	
Air filter		Polypropylene honeycomb									
Refrigerant pipe diameter	Gas (swaged) mm	ø12.7				ø12.7 / ø15.88 (Compatible)		ø15.88		ø15.88 / ø19.05 (Compatible)	
	Liquid (swaged) mm	ø6.35				ø6.35 / ø9.52 (Compatible)		ø9.52 (ø3/8)			
Local drain pipe diameter		O.D 32(1-1/4)<VP-25>									
Sound pressure*2,3	dB(A)	30-29-28-27	27-28-29-31	27-28-30-31	28-29-30-32	30-32-35-37	34-37-39-41	35-38-41-43			

*1 For heating/cooling capacity, the maximum value with the unit operating in the following conditions is given.

Cooling: indoor 27°C (81°F) DB/19°C (66°F) WB, outdoor 35°C (95°F) DB. Heating: indoor 20°C (68°F) DB, outdoor 7°C (45°F) DB/6°C (43°F) WB.

*2 Air flow/noise levels given for operation in low-medium1-medium2-high modes.

*3 Measured in anechoic chamber with 230V mains power.