

4-way airflow type

PLFY-P VBM-E

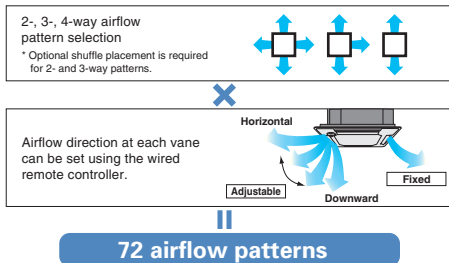


Optimum Airflow

Individual Vane Settings

Optimum airflow settings provide maximum comfort throughout the room.

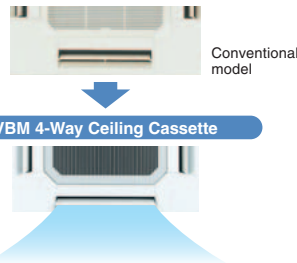
In addition to the selection of variable airflow patterns (i.e., 2-, 3- or 4-way), this function allows the independent selection of vertical airflow levels for each vane, thereby maintaining a comfortable room environment with even temperature distribution.



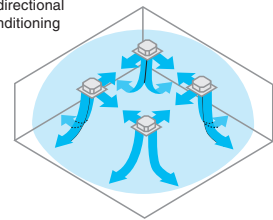
Wide Airflow

Wide-angle outlets distribute airflow to all corners of the room.

The outlets are larger than those of conventional models and the shape has been improved for better wide-angle ventilation.



Multi-directional air conditioning



Individual Vane Setting + Wide Airflow

The combination of individual vane setting, which enables the optimal outlet setting for each room layout, and the wide airflow function works to ensure even temperature distribution throughout each room. The result is uniformly comfortable air conditioning.

Automatic Air-speed Adjustment

An automatic air-speed mode that adjusts airflow speed automatically is adopted to maintain comfortable room conditions at all times. This setting automatically adjusts the air-speed to conditions that match the room environment.



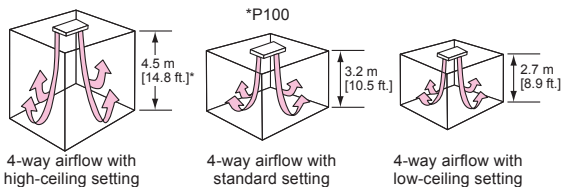
At the start of heating / cooling operation, the airflow is set to high-speed to quickly heat / cool the room.



When the room temperature reaches the desired setting, the airflow speed is decreased automatically for stable and comfortable heating/cooling operation.

Equipped with High- and Low-ceiling Modes

Units are equipped with high- and low-ceiling operation modes that make it possible to switch the airflow volume to match a room's height. The ability to choose the optimum airflow volume makes it possible to optimize the breezy sensation felt throughout the room.



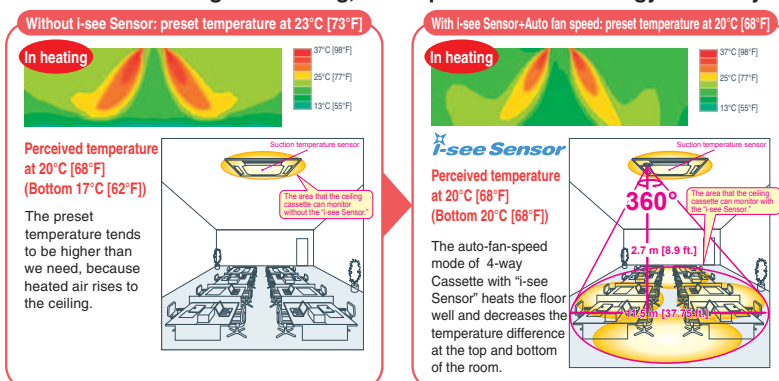
Airflow Range

Model	P32-P80 [m/ft.]			P100 / P125 [m/ft.]		
	High-ceiling setting	Standard setting	Low-ceiling setting	High-ceiling setting	Standard setting	Low-ceiling setting
4-Way	3.5/11.5	2.7/8.9	2.5/8.2	4.5/14.8	3.2/10.5	2.7/8.9
3-Way	3.5/11.5	3.0/9.8	2.7/8.9	4.5/14.8	3.6/11.8	3.0/9.8
2-Way	3.5/11.5	3.3/10.8	3.0/9.8	4.5/14.8	4.0/13.1	3.3/10.8

"i-see Sensor" can be used with ceiling cassette type 4-way airflow unit.

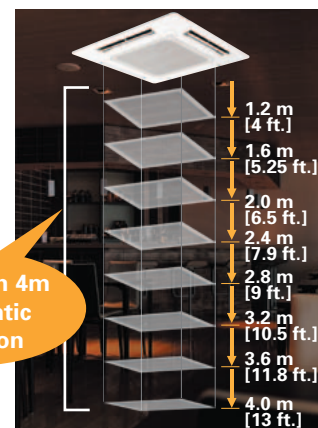
This unit controls the temperature difference at the top and bottom of a room by checking the floor temperature with "i-see Sensor". Comfortable air conditioning can be accomplished smoothly with "sensible temperature control."

Prevents overcooling/overheating, and improves comfort/energy efficiency



Easy Cleaning

Equipped with automatic panel elevation, cleaning the filter is easy, even with high ceilings. Maintenance time is reduced by shortening cleaning time.



Specifications

Model			PLFY-P32VBM-E	PLFY-P40VBM-E	PLFY-P50VBM-E	PLFY-P63VBM-E	PLFY-P80VBM-E	PLFY-P100VBM-E	PLFY-P125VBM-E		
Power source			1-phase 220-240V 50Hz/1-phase 220V 60Hz								
Cooling capacity	*1	kW	3.6	4.5	5.6	7.1	9.0	11.2	14.0		
	*1	BTU/h	12,300	15,400	19,100	24,200	30,700	38,200	47,800		
Heating capacity	*1	kW	4.0	5.0	6.3	8.0	10.0	12.5	16.0		
	*1	BTU/h	13,600	17,100	21,500	27,300	34,100	42,700	54,600		
Power consumption	Cooling	kW	0.03	0.04	0.05	0.07	0.15	0.16			
	Heating	kW	0.02	0.03	0.04	0.06	0.14	0.15			
Current	Cooling	A	0.27	0.29	0.36	0.51	1.00	1.07			
	Heating	A	0.20	0.22	0.29	0.43	0.94	1.00			
External finish (Munsell No.)	Unit		Galvanized steel sheet								
	Panel		White (6.4Y 8.9/0.4)								
Dimension	Unit	mm (in.)	258 x 840 x 840 (10-3/16 x 33-8/1 x 33-8/1)					298 x 840 x 840 (11-3/4 x 33-1/8 x 33-1/8)			
H x W x D	Panel	mm (in.)	35 x 950 x 950 (1-3/8 x 37-7/16 x 37-7/16)								
Net weight	Unit	kg (lbs.)	22 (49)			23 (51)		27 (60)			
	Panel	kg (lbs.)	6 (13)								
Heat exchanger			Cross fin (Aluminum plate fin and copper tube)								
Fan	Type x Quantity		Turbo fan x 1								
	Airflow rate (Lo-Mid2-Mid1-Hi)	*2	m³/min	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	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	388-424-459-494	424-459-494-565		494-530-565-636	565-636-706-777	742-848-953-1024	777-883-989-1059	
External static pressure		Pa	0								
Motor	Type		DC motor								
	Output	kW	0.050					0.120			
Air filter			PP Honeycomb								
Refrigerant pipe diameter	Gas (Flare)	mm (in.)	ø12.7 (ø1/2)		ø12.7 (ø1/2)/ø15.88 (ø5/8) (Compatible)		ø15.88 (ø5/8)		ø15.88 (ø5/8)/ø19.05 (ø3/4) (Compatible)		
	Liquid (Flare)	mm (in.)	ø6.35 (ø1/4)		ø6.35 (ø1/4)/ø9.52 (ø3/8) (Compatible)		ø9.52 (ø3/8)				
Field drain pipe diameter		mm (in.)	O.D. 32 (1-1/4)								
Sound pressure level (Lo-Mid2-Mid1-Hi)		*2 *3	dB (A)	27-28-29-31		27-28-30-31		28-29-30-32	30-32-35-37	34-37-39-41	35-38-41-43

Notes:

*1 Cooling/Heating capacity indicates the maximum value at operation under the following condition.

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 Airflow rate/Sound pressure level are in (low-middle-high) or (low-middle1-middle2-high).

*3 It is measured in anechoic room at power source 230V.