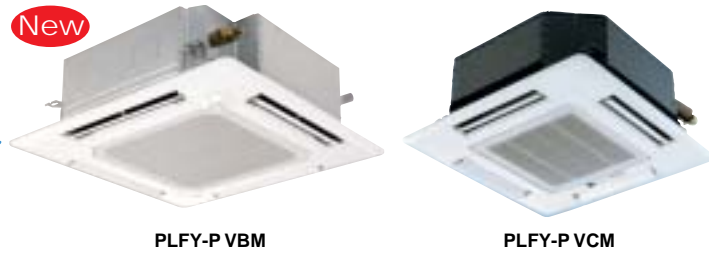


INDOOR UNIT Ceiling cassette type 4-way airflow

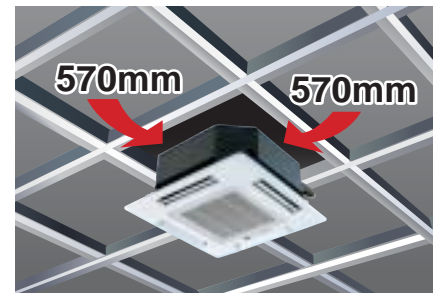
PLFY-P VBM-E *i-see Sensor*
PLFY-P VCM-E



The new 4-way cassette VBM offers 72 different airflow patterns, making it ideal for applications with ceilings up to 4.2 m (13-13/16ft) in height.



Compact body to match with 2 feet (600mm) x 2 feet (600mm) ceiling design (VCM)



Specifications

		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 200V 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	0.16
	Heating kW	0.02	0.03	0.04	0.06	0.14	0.15	0.15
Current	Cooling A	0.22	0.29	0.36	0.51	1.00	1.07	1.07
	Heating A	0.14	0.22	0.29	0.43	0.94	1.00	1.00
External finish (Munsell No.)	Unit	Galvanized steel sheet						
	Panel	White (6.4Y 8.9/0.4)						
Dimension H X W X D	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)
	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-Mid1-Mid2-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) <VP-25>						
Noise level (Lo-Mid1-Mid2-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	

		PLFY-P20VCM-E	PLFY-P25VCM-E	PLFY-P32VCM-E	PLFY-P40VCM-E	
Power source		1-phase 220-240V 50Hz				
Cooling capacity	⊙1 kW	2.2	2.8	3.6	4.5	
	⊙1 BTU/h	7,500	9,600	12,300	15,400	
Heating capacity	⊙1 kW	2.5	3.2	4.0	5.0	
	⊙1 BTU/h	8,500	10,900	13,600	17,100	
Power consumption	Cooling kW	0.05	0.05	0.06	0.06	
	Heating kW	0.05	0.05	0.06	0.06	
Current	Cooling A	0.23	0.23	0.28	0.28	
	Heating A	0.23	0.23	0.28	0.28	
External finish (Munsell No.)	Unit	Galvanized steel sheet with gray heat insulation				
	Panel	White (0.7Y 8.59/0.97)				
Dimension H X W X D	Unit mm(in.)	208 X 570 X 570 (8-1/4 X 22-1/2 X 22-1/2)				
	Panel mm(in.)	20 X 650 X 650 (13/16 X 25-5/8 X 25-5/8)				
Net weight	Unit kg(lbs.)	15.5 (35)		17 (38)		
	Panel kg(lbs.)	3 (7)				
Heat exchanger		Cross fin (Aluminum plate fin and copper tube)				
Fan	Type X Quantity	Turbo fan X 1				
	Airflow rate ⊙2 (Lo-Mid-Hi)	m³/min	8-9-10	8-9-10	8-9-11	8-9-11
		L/s	133-150-167	133-150-167	133-150-183	133-150-183
cfm	283-318-353	283-318-353	283-318-388	283-318-388		
External static pressure	Pa	0 (direct blow)				
Motor	Type	1-phase induction motor				
	Output kW	0.011	0.015	0.02	0.02	
Air filter		PP Honeycomb (long life type)				
Refrigerant pipe diameter	Gas (Flare) mm(in.)	ø12.7 (ø1/2)				
	Liquid (Flare) mm(in.)	ø6.35 (ø1/4)				
Field drain pipe diameter		mm(in.) O.D. 32 (1-1/4)				
Noise level (Lo-Mid-Hi) ⊙2 ⊙3	dB(A)	28-31-35	28-31-37	29-33-38	30-34-39	

Note:

- ⊙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/noise level are in (low-middle-high) or (low-middle1-middle2-high).
- ⊙3 It is measured in anechoic room at power source 230V.

Automatic Air Speed Adjustment

Auto-fan-speed mode enables speedy and comfortable heating during heating startup.

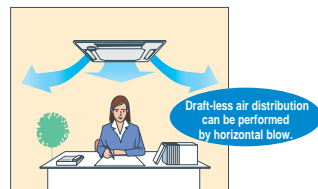
The Auto-fan-speed mode is added to the usual four steps "Low, Mid1, Mid2, High." The Auto-fan-speed mode enables speedy and comfortable air conditioning because the air flow speeds up when starting, and air flow slows down when the air conditioning becomes stable. (PLFY-P VBM-E ONLY)



* When using a wireless remote controller, initial settings are required.

Draft-less Air Distribution

The horizontal blow mode* newly employed supplies airflow horizontally not bringing cooled/warmed air directly to occupants thus preventing discomfort sensation due to excessive cooling or direct exposing of occupants to the air blow. (PLFY-P VBM-E ONLY)

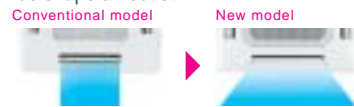


*Default
*The ceiling may be smudged at a spot where the supplied airflow is seriously disturbed.

Wide Air Flow

Cooling softly with Wide Air Flow

Discharge air reaches wider area and the fan speed is decreased by 20% thanks to the new wide shape air outlet.

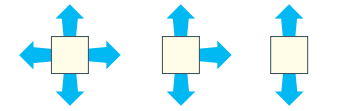


72 patterns of airflow to accommodate any room layout are available. *First in the industry* On the commercial air conditioners (According to the survey by Mitsubishi Electric)

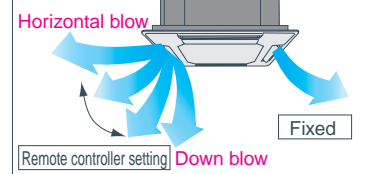
The number of outlet can be set to 4, 3, or 2. Flexible airflow is available by fixing the up-down airflow direction of the outlet with a wired remote controller (or manually).

72 airflow patterns

4-, 3-, or 2- way outlet selection



Setting the air direction for each outlet with wired remote controller

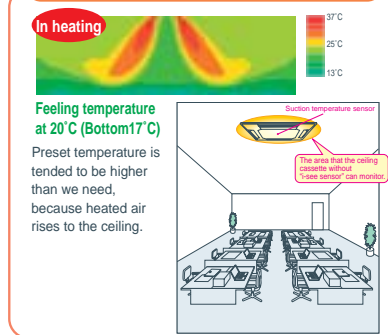


"i-see sensor" can be used with ceiling cassette type 4-way airflow unit. (Option PAC-SA1ME-E, PLFY-VBM only)

New 4-way Cassette PLFY-VBM controls the temperature difference at the top and bottom in a room by checking the floor temperature with "i-see sensor". Comfortable air conditioning can be realized smoothly with "sensible temperature control." (Option PAC-SA1ME-E, PLFY-VBM only)

Prevents overcooling/overheating, and improves comfort/energy-efficiency

Without i-see sensor: preset temperature at 23°C



With i-see sensor+Auto fan speed: preset temperature at 20°C

