

Ceiling cassette type

4-way airflow type

PLFY-M VEM-E **R32 R410A**

PLFY-M VEM6-E **R32 R410A**

• Technologies and functions P.160



3D i-see Sensor and versatile airflow variation provide comfort to all corners of the room.

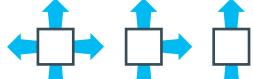
Optimum airflow

2-, 3-, 4-way airflow pattern selection

Three outlet options are available—bidirectional, three-way, and four-way—to suit different types of installation. Select, for example, the four-way pattern for installation in the center of the room and three-way pattern for installation in the corner.

2-, 3-, 4-way airflow pattern selection

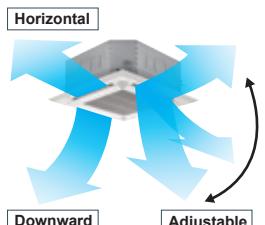
* Optional shuffle placement is required for 2- and 3-way patterns.



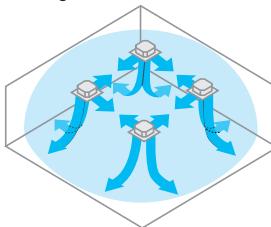
Individual vane angle settings

Vane direction can be changed or fixed from the remote controller to direct the supply air at or away from objects or occupants in the room.

The airflow direction of each vane can be set using the wired remote controller or wireless remote controller (PAR-SL101A-E).



Multi-directional air conditioning



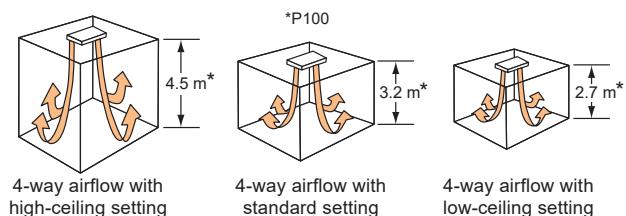
2-, 3-, 4-way airflow pattern selection

individual vane angle settings

Combinations with individual vane settings enable an optimal outlet setting for each room layout to ensure even temperature distribution throughout each room. The result is uniformly comfortable air conditioning.

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 the height of the room. Being able to choose the optimum airflow volume helps optimize the breezy sensation felt throughout the room.

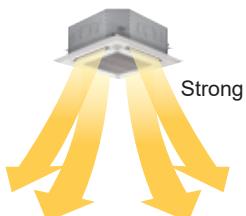


Airflow range

Model	M20–M80			M100/M125		
	High-ceiling setting	Standard setting	Low-ceiling setting	High-ceiling setting	Standard setting	Low-ceiling setting
4-way	3.5 m	2.7 m	2.5 m	4.5 m	3.2 m	2.7 m
3-way	3.5 m	3.0 m	2.7 m	4.5 m	3.6 m	3.0 m
2-way	3.5 m	3.3 m	3.0 m	4.5 m	4.0 m	3.3 m

Automatic air-speed adjustment

An automatic air-speed mode automatically adjusts airflow speed 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 the heating/cooling operation, airflow is set to high speed to quickly heat/cool the room.



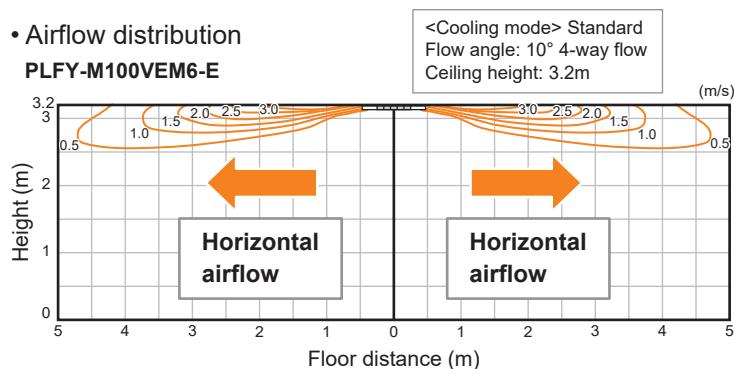
When the room temperature reaches the desired setting, the airflow speed is automatically decreased for stable and comfortable heating/cooling operation.

Horizontal airflow

Supply air is horizontally fed into the room to reduce the cold draft feeling. This airflow is ideal for offices and restaurants.

- Airflow distribution

PLFY-M100VEM6-E



- Horizontal airflow



Easy installation

Temporary hanging hook

The structure of the panel has been redesigned and is now equipped with a temporary hanging hook. This improves work efficiency during panel installation.



Electrical box wiring

After reviewing the power supply terminal position in the electrical box, the structure has been redesigned to improve connectivity. This makes complex wiring work easier.

- Conventional model



- Latest model



No need to remove screws

Installation is possible without removing the screws for the corner panel and the control box; they simply need to be loosened. This lowers the risk of losing screws.

- Corner panel



- Control box cover



Increased space for plumbing work

The top and bottom positions of the liquid and gas pipes have been reversed to allow the gas pipe work, which requires more effort, to be completed first. Further, through structural innovations related to the space around the pipes, the area for the spanner has been increased, thus improving liquid piping work and enabling it to be completed smoothly.

- Conventional model

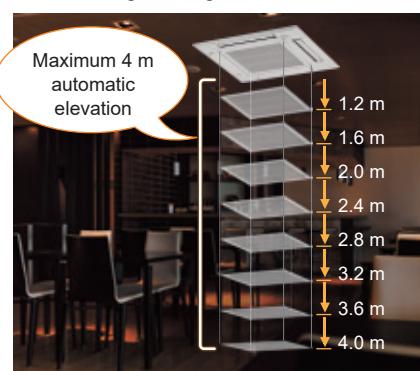


- Latest model



Easy cleaning

The automatic elevation panel makes cleaning the filter easy, even with high ceilings.



IT terminal

An IT terminal is available. Contact your local distributor for details.

Connectable to **Plasma Quad Connect** *

The optional Plasma Quad Connect PAC-SK51FT-E can be installed on the indoor units (PLFY-M VEM6-E only).

* Plasma Quad Connect (PAC-SK51FT-E) cannot be used with Auto elevation panel (PLP-6EAJ, PLP-6EAJE), Multi functional casement (PAC-SJ41TM-E) and High-efficiency filter element (PAC-SH59KF-E).



Ceiling cassette type **R32** **R410A** 4-way airflow type

Optional parts

- For PLFY-M VEM-E **R32** **R410A**

Description	Model	Applicable capacity
Air outlet shutter plate	PAC-SJ37SP-E	M20, 25, 32, 40, 50, 63, 80, 100, 125
Multi-function casement	PAC-SJ41TM-E	
High efficiency filter element	PAC-SH59KF-E	
Space panel	PAC-SJ65AS-E	
Duct flange for fresh air intake	PAC-SH65OF-E	

- For PLFY-M VEM6-E **R32** **R410A**

Description	Model	Applicable capacity
Air outlet shutter plate	PAC-SJ37SP-E	
Multi-function casement	PAC-SJ41TM-E	
High efficiency filter element	PAC-SH59KF-E	
Space panel	PAC-SJ65AS-E	M20, 25, 32, 40, 50, 63, 71, 80, 100, 125
Duct flange for fresh air intake	PAC-SH65OF-E	
Plasma quad connect	PAC-SK51FT-E	

Panel & Corner panel

		With signal Receiver	With 3D i-see Sensor	With New Wireless Remote Controller	With Auto Elevation
Panel	PLP-6EA				
	PLP-6EAL	●			
	PLP-6EAE		●		
	PLP-6EALE	●	●		
	PLP-6EAJ	●			●
	PLP-6EAJE	●	●		●
	PLP-6EALM2	●		●	
	PLP-6EALME2	●	●	●	
Corner panel	PAR-SE9FA-E	●			
	PAC-SE1ME-E		●		

Ceiling cassette type

4-way airflow type

PLFY-P VFM-E1 **R410A**

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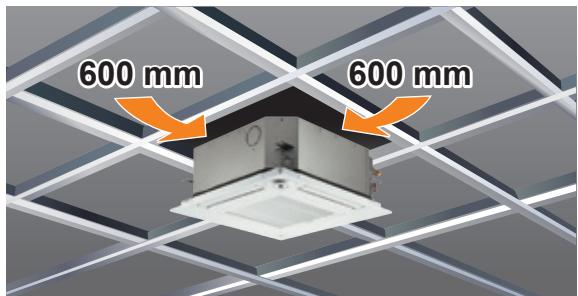


The compact size offers an ideal fit to grid system ceilings (600 mm × 600 mm) and provides 4-way airflows despite its size.

Beautiful square design

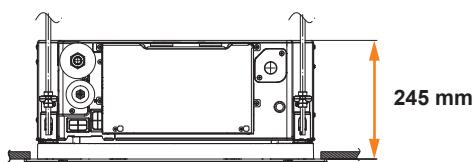
The square design matches 2 × 2 (600 mm × 600 mm) ceiling construction specifications.

Direct line-based square design enables designs of system ceiling to match the design of direct line type illuminations, thereby creating a beautiful space.



Above-ceiling height of 245 mm

The above-ceiling height of 245 mm is top class in the industry* and fits into narrow ceiling spaces.



* As of Aug 2015, among compact 4-way cassettes for system ceilings. (In-company survey)

Compact & light-weight design

The panel weighs 3 kg, and the main unit weighs 14 kg (P15, P20 and P25 models) or 15 kg (P32, P40 and P50 models).

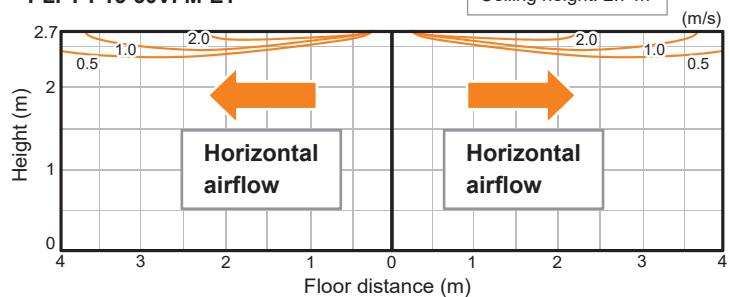
The total weights are more than 7 kg lighter than the corresponding PLFY-M VEM6 model, allowing easy suspension.

Horizontal airflow

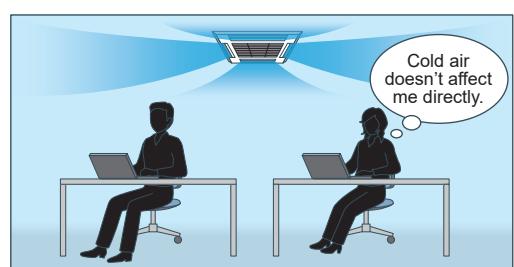
Supply air is horizontally fed into the room to reduce the cold draft feeling. This airflow is ideal for offices and restaurants.

- Airflow distribution

PLFY-P15-50VFM-E1



- Horizontal airflow



IT terminal

An IT terminal is available. Contact your local distributor for details.

Ceiling cassette type R410A

4-way airflow type PLFY-P VFM-E1

		PLFY-P15VFM-E1	PLFY-P20VFM-E1	PLFY-P25VFM-E1	PLFY-P32VFM-E1	PLFY-P40VFM-E1	PLFY-P50VFM-E1			
Power source		1-phase 220-240V 50Hz / 220V 60Hz								
Cooling capacity	*1 kW	1.7	2.2	2.8	3.6	4.5	5.6			
	*1 BTU/h	5,800	7,500	9,600	12,300	15,400	19,100			
Heating capacity		*1 kW								
	*1 BTU/h	1.9	2.5	3.2	4.0	5.0	6.3			
Power consumption	Cooling kW	0.02	0.02	0.02	0.02	0.03	0.04			
	Heating kW	0.02	0.02	0.02	0.02	0.03	0.04			
Current	Cooling A	0.19	0.21	0.22	0.23	0.28	0.40			
	Heating A	0.14	0.16	0.17	0.18	0.23	0.35			
External finish	Unit	Galvanized steel sheet								
(Munsell No.)	Panel	MUNSELL (1.OY 9.2/0.2)								
Dimension	Unit mm(in.)	208 x 570 x 570 (8-1/4 x 22-1/2 x 22-1/2)								
H x W x D	Panel mm(in.)	10 x 625 x 625 (3/8 x 24-5/8 x 24-5/8)								
Net weight	Unit kg(lbs.)	14 (31)		15 (33)						
	Panel kg(lbs.)	3 (7)								
Heat exchanger	Cross fin (Aluminum fin and copper tube)									
FAN	Type x Quantity	Turbo fan x 1								
	Airflow rate m³/min	6.5-7.5-8.0	6.5-7.5-8.5	6.5-8.0-9.0	7.0-8.0-9.5	7.5-9.0-11.0	9.0-11.0-13.0			
	L/s	108-125-133	108-125-142	108-133-150	117-133-158	125-150-183	150-183-217			
	cfm	230-265-282	230-265-300	230-282-318	247-282-335	265-318-388	318-388-459			
	External static press.	Pa	0							
Motor	Type	DC motor								
	Output kW	0.05								
Air filter	PP Honeycomb fabric (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) (PVC pipe VP-25 connectable)								
Sound pressure level *2 (Lo-Mid-Hi)	dB<A>	26-28-30	26-29-31	26-30-33	26-30-34	28-33-39	33-39-43			

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

Optional parts

Description	Model	Applicable models
i-see Sensor corner panel	PAC-SF1ME-E	P15, 20, 25, 32, 40, 50
Wireless signal receiver	PAR-SF9FA-E	
Anti-allergy enzyme filter	PAC-SK46KF-E	

Panel & Corner panel

		With signal Receiver	With 3D i-see Sensor	With New Wireless Remote Controller
Panel	SLP-2FA			
	SLP-2FAL	●		
	SLP-2FAE		●	
	SLP-2FALE	●	●	
	SLP-2FALM2	●		●
	SLP-2FALME2	●	●	●
Corner panel	PAR-SF9FA-E	●		
	PAC-SF1ME-E		●	