

Ceiling cassette type

2-way airflow type

PLFY-P VLMD-E **R410A**

• Technologies and functions P.160



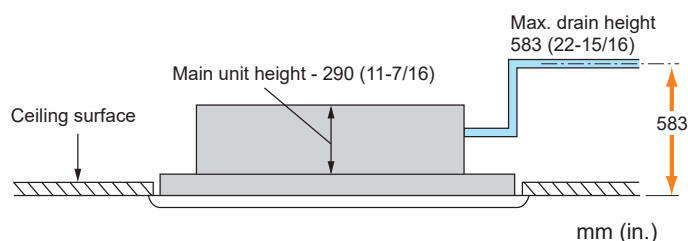
Slim body (depth 634 mm) for up to P100.
Recommended for corridors or long and narrow rooms.

Simple panel design

The in-take port is not a grille but made in a stylish design. It can be installed visually attractively in harmony with the ceiling and lightings.

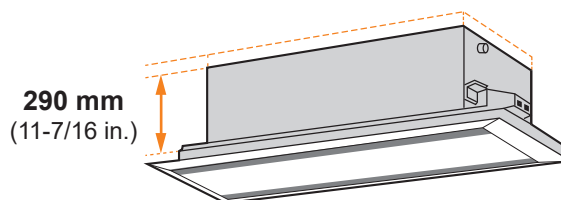
Drain pump as a standard feature

The drain can be positioned anywhere up to 583 mm (22-15/16 in.) from the ceiling surface, providing greater flexibility with long cross-piping and allowing more versatility with piping layouts.



Slim body - only 290 mm (11-7/16 in.) high

The slimline body is highly suited for installation in narrow ceiling spaces and for replacing obsolete air-conditioning equipment in older buildings. The height of the main unit is only 290 mm (11-7/16 in.).



Vane control

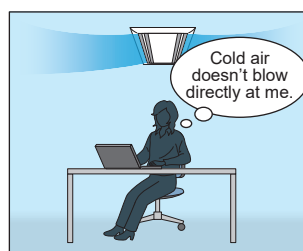
Vane angle can be selected from 7 types, including "Horizontal fix" and "Swing," to set the air blow according to preference.

*Airflow direction cannot be changed individually.

Air blow Swing



Windbreak Horizontal airflow



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			PLFY-P20VLMD-E	PLFY-P25VLMD-E	PLFY-P32VLMD-E	PLFY-P40VLMD-E
Power source			1-phase 220-240V 50Hz / 1-phase 220-230V 60Hz			
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	0.072 / 0.075	0.072 / 0.075	0.072 / 0.075	0.081 / 0.085
	Heating	kW	0.065 / 0.069	0.065 / 0.069	0.065 / 0.069	0.074 / 0.079
Current	Cooling	A	0.36 / 0.37	0.36 / 0.37	0.36 / 0.37	0.40 / 0.42
	Heating	A	0.30 / 0.32	0.30 / 0.32	0.30 / 0.32	0.34 / 0.37
External finish (Munsell No.)	Unit		Galvanized steel plate			
	Panel		Pure white (6.4Y 8.9/0.4)			
Dimension	Unit	mm(in.)	290 x 776 x 634 (11-7/16 x 30-9/16 x 25)			
H x W x D	Panel	mm(in.)	20 x 1080 x 710 (13/16 x 42-9/16 x 28)			
Net weight	Unit	kg(lbs.)	23 (51)		24 (53)	
	Panel	kg(lbs.)	6.5 (15)			
Heat exchanger			Cross fin			
FAN	Type x Quantity		Turbo fan x 1			
	Airflow rate (Lo-Mid-Hi) *2	m³/min	6.5-8.0-9.5			7.0-8.5-10.5
		L/s	108-133-158			117-142-175
		cfm	230-283-335			247-300-371
Motor	External static press.	Pa	0			
	Type		1-phase induction motor			
Air filter	Output	kW	0.015 (at 240V)			
			PP honeycomb fabric (long life type)			
Refrigerant	Gas(Flare)	mm(in.)	ø12.7 (ø1/2)			
pipe diameter	Liquid(Flare)	mm(in.)	ø6.35 (ø1/4)			
Field drain pipe diameter		mm(in.)	O.D.32 (1-1/4)			
Sound pressure level (Lo-Mid-Hi) *2 *3	220V/240V	dB<A>	27-30-33			29-33-36
	230V	dB<A>	28-31-34			30-34-37

			PLFY-P50VLMD-E	PLFY-P63VLMD-E	PLFY-P80VLMD-E	PLFY-P100VLMD-E	PLFY-P125VLMD-E
Power source			1-phase 220-240V 50Hz / 1-phase 220-230V 60Hz				
Cooling capacity	*1	kW	5.6	7.1	9.0	11.2	14.0
	*1	BTU/h	19,100	24,200	30,700	38,200	47,800
Heating capacity	*1	kW	6.3	8.0	10.0	12.5	16.0
	*1	BTU/h	21,500	27,300	34,100	42,700	54,600
Power consumption	Cooling	kW	0.082 / 0.086	0.101 / 0.105	0.147 / 0.156	0.157 / 0.186	0.28 / 0.28
	Heating	kW	0.075 / 0.080	0.094 / 0.099	0.140 / 0.150	0.150 / 0.180	0.27 / 0.27
Current	Cooling	A	0.41 / 0.43	0.49 / 0.51	0.72 / 0.74	0.75 / 0.88	1.35 / 1.35
	Heating	A	0.35 / 0.38	0.43 / 0.46	0.66 / 0.69	0.69 / 0.83	1.33 / 1.33
External finish (Munsell No.)	Unit		Galvanized steel plate				
	Panel		Pure white (6.4Y 8.9/0.4)				
Dimension	Unit	mm(in.)	290 x 946 x 634 (11-7/16 x 37-1/4 x 25)		290 x 1446 x 634 (11-7/16 x 56-15/16 x 25)		290 x 1708 x 606 (11-7/16 x 67-1/4 x 23-7/8)
H x W x D	Panel	mm(in.)	20 x 1250 x 710 (13/16 x 49-1/4 x 28)		20 x 1750 x 710 (13/16 x 68-15/16 x 28)		20 x 2010 x 710 (13/16 x 79-3/16 x 28)
Net weight	Unit	kg(lbs.)	27 (60)		44 (98)		56 (124)
	Panel	kg(lbs.)	7.5 (17)		12.5 (28)		13.0 (29)
Heat exchanger			Cross fin				
FAN	Type x Quantity		Turbo fan x 1		Turbo fan x 2		Sirocco fan x 4
	Airflow rate (P50-P100:Lo-Mid-Hi) (P125:Lo-Mid2-Mid1-Hi) *2	m³/min	9.0-11.0-12.5		15.5-18.5-22.0		24.0-27.0-30.0-33.0
		L/s	150-183-208		258-308-367		400-450-500-550
		cfm	318-388-441		547-653-777		848-953-1,059-1,165
Motor	External static press.	Pa	0				
	Type		1-phase induction motor				
Air filter	Output	kW	0.020 (at 240V)		0.020 x 2 (at 240V)		0.030 x 2 (at 240V)
			PP honeycomb fabric (long life type)				
Refrigerant	Gas(Flare)	mm(in.)	ø12.7 (ø1/2)		ø15.88 (ø5/8)		
pipe diameter	Liquid(Flare)	mm(in.)	ø6.35 (ø1/4)		ø9.52 (ø3/8)		
Field drain pipe diameter		mm(in.)	O.D.32 (1-1/4)				
Sound pressure level (Lo-Mid-Hi) *2 *3	220V/240V	dB<A>	31-34-37		32-37-39		40-42-44-46 (Lo-Mid2-Mid1-Hi)
	230V	dB<A>	32-35-38		33-38-40		

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-middle2-middle1-high).
*3 It is measured in anechoic room.

Optional parts

Description	Model	Applicable capacity
Decoration panel	CMP-40VLW-C	P20, P25, P32, P40
	CMP-63VLW-C	P50, P63
	CMP-100VLW-C	P80, P100
	CMP-125VLW-C	P125
OA duct flange	PAC-KH11OF	P20, P25, P32, P40, P50, P63, P80, P100