

INDOOR UNIT

Ceiling cassette type

2-way airflow

PLFY-P VLMD-E

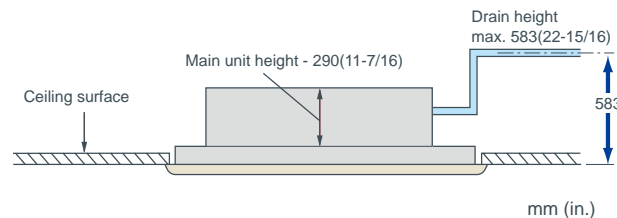


Slim body of 290mm(11-7/16in.) height



Equipped with drain pump mechanism as standard

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



Compact unit and low noise level attained!

Sound pressure level table (Standard static pressure) at 0Pa

Sound pressure level	Capacity	dB(A)									
		P20	P25	P32	P40	P50	P63	P80	P100	P125	
		High	33	36	37	39	39	42	46		
Fan Speed	Mid	30	33	34	37	36	39	42/44			
	Low	27	29	31	32	33	36	40			

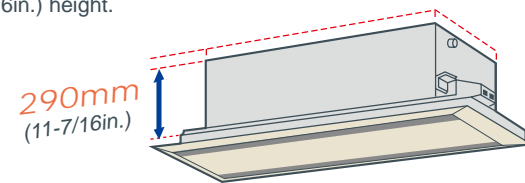
<220V,240V>

Sound pressure level	Capacity	dB(A)									
		P20	P25	P32	P40	P50	P63	P80	P100	P125	
		High	34	37	38	40	40	43	46		
Fan Speed	Mid	31	34	35	38	37	41	42/44			
	Low	28	30	32	33	34	37	40			

<230V>

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

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



Terminal block on outside of main unit makes wiring easier

Fresh air directly taken in

Fresh air can be taken in to the main unit directly (optional accessories needed.)

Long life filter equipped as standard

The antibacterial long life filter does not require maintenance for approximately a year.

Easy installation

Lighter panel and placing the electric board near the panel make installation and maintenance easier. Also, the heat exchanger is washable by displacing the center panel, filter, and fan.

Specifications

		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 H x W x D	Unit mm (in.)	290 x 776 x 634 (11-7/16 x 30-9/16 x 25)				
	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 *2 (Lo-Mid-Hi)	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	
External static pressure	Pa	0				
Motor	Type	1-phase induction motor				
	Output kW	0.015 (at 240V)				
Air filter		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 H x W x D	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)		280 x 1708 x 606 (11-7/16 x 67-1/4 x 23-7/8)	
	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)	28 (62)	44 (98)	47 (104)	56 (124)	
	Panel kg(lbs.)	7.5 (17)		12.5 (28)		13.0 (29)	
Heat exchanger		Turbo fan x 1		Turbo fan x 2		Sirocco fan x 4	
Fan	Type x Quantity	Turbo fan x 1		Turbo fan x 2		Sirocco fan x 4	
	Airflow rate *2 (P50-P100:Lo-Mid-Hi) (P125:Lo-Mid2-Mid1-Hi)	m³/min	9.0-11.0-12.5	11.0-13.0-15.5	15.5-18.5-22.0	17.5-21.0-25.0	24.0-27.0-30.0-33.0
		L/s	150-183-208	167-217-258	258-308-367	292-350-417	400-450-500-550
		cfm	318-388-441	353-459-547	547-653-777	618-742-883	848-953-1,059-1,165
External static pressure	Pa	0					
Motor	Type	1-phase induction motor					
	Output kW	0.020 (at 240V)		0.020 (at 240V)		0.030 (at 240V)	
Air filter		PP honeycomb fabric (long life type)				Synthetic fiber unwoven cloth filter (long life)	
Refrigerant pipe diameter	Gas (Flare) mm(in.)	ø12.7 (ø1/2)		ø15.88 (ø5/8)			
	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	33-36-39	36-39-42	40-42-44-46	
	230V dB(A)	32-35-38	33-38-40	34-37-40	37-41-43	(Lo-Mid2-Mid1-Hi)	

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.