

INDOOR UNIT

Ceiling cassette type

2-way airflow

PLFY-P VLMD-E

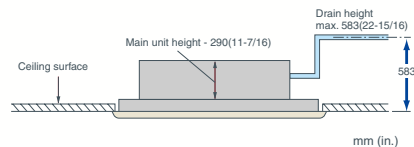


Slim body of 290mm(11-7/16in.) height



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.



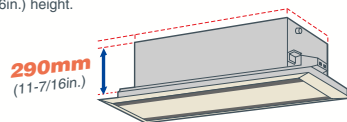
Compact unit and low noise level attained!

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

Sound pressure level	Capacity	Fan Speed	dB(A)									
			P20	P25	P32	P40	P50	P63	P80	P100	P125	
			High	33	36	37	39	39	42	46		
<220V,240V>	Mid		30	33	34	37	36	39	42/44			
	Low		27	29	31	32	33	36	40			

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.)			Galvanized steel plate							
Unit			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)	m ³ /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 pipe diameter	Gas(Pass)	mm(in.)	ø12.7 (ø1/2)							
	Liquid(Pass)	mm(in.)	ø6.35 (ø1/4)							
Field drain pipe diameter			O.D.32 (1-1/4)							
Sound pressure level [220/240V]			27-30-33				29-33-36			
Lo-Mid-Hi) #2 #3	220V		28-31-34				30-34-37			
	230V									

			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)				290 X 1788 X 634 (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 78-3/8 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							Cross fin						
Fan	Type X Quantity		Turbo fan X 1				Turbo fan X 2				Sirocco fan X 4		
	Airflow rate #2 (P50-P100Lo-Mid-Hi)	m ³ /min	9.0-11.0-12.5				15.5-18.5-22.0				24.0-27.0-30.0-33.0		
	(P125Lo-Mid-Hi)	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		
	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)		
											0.078 X 2 (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 (220V/240V)		dB(A)	31-34-37		32-37-39		33-36-39		36-39-42		40-42-44.6		
(Lo-Mid-Hi) #2 #3		dB(A)	32-35-38		33-38-40		34-37-40		37-41-43		(Lo-Mid-Hi)		

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

#3 It is measured in anechoic room.