INDOOR UNIT Ceiling cassette type 4-way airflow

PLFY-P VBM-E Free Sensor **PLFY-P VCM-E**

PI FY-P VRM PLFY-P VCM

design (VCM)

570mm

Compact body to match with 2 feets (600mm) x 2 feets (600mm) ceiling

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.



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 (PLFY-P VBM-E ONLY)

Cooling softly with Wide Air Flow Discharge air reaches wider area and the fan speed is decreased by 20% thanks to the new



72 patterns of airflow to accommodate any room layout are available.

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).







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

570mm

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-E ONLY)

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





► Specifications

				PLFY-P32VBM-E	PLFY-P40VBM-E	PLFY-P50VBM-E	PLFY-P63VBM	E PLFY-P80VBM-E	PLFY-P100VBM-E	PLFY-P125VBM-E	
Power s	ource					1-phase 220-	240V 50Hz / 1-p	ase 200V 60Hz			
Casling		*1	kW	3.6	4.5	5.6	7.1	9.0	11.2	14.0	
Heating capacity *1		*1	BTU/h	12,300	15,400	19,100	24,200	30,700	38,200	47,800	
		*1	kW	4.0	5.0	6.3	8.0	10.0	12.5	16.0	
Heating	capacity	*1	BTU/h	13,600	17,100	21,500	27,300	34,100	42,700	54,600	
Power		Cooling	kW	0.03	(0.04	0.05	0.07	0.15	0.16	
consumption Heatin		Heating	kW	0.02	(0.03	0.04	0.06	0.14	0.15	
Current Coo		Cooling	А	0.22	(0.29		0.51	1.00	1.07	
		Heating A		0.14	0.22		0.29	0.43	0.94	1.00	
Externa	l finish	Unit		Galvanized steel sheet							
(Munsel	l No.)	Panel					White (6.4Y 8.9/				
Dimensio	n	Unit	mm(in.)		258 x 840	x 840 (10-3/16 x 33-	0 (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)	
HXWXD		Panel mm(in.)		35 x 950 x 950 (1-3/8 x 37-7/16 x 37-7/16)							
Net wei	aht	Unit	kg(lbs.)		22 (49)	3 (51)	27 (60)				
		Panel kg(lbs.)		6 (13)							
Heat ex	changer			Cross tin (Aluminum plate fin and copper tube)							
	Type x (luantity		Turbo fan x 1							
_	Airflow	ate *2	m³/min	11-12-13-14	12-1	3-14-16	14-15-16-18	16-18-20-22	21-24-27-29	22-25-28-30	
Fan	(Lo-Mid1	Mid2-Hi)	L/s	183-200-217-233	200-21	7-233-267	233-250-267-3	0 267-300-333-367	350-400-450-483	367-417-467-500	
	E. to and also	· · · · · · · · · · · · · · · · · · ·	ctm	388-424-459-494	424-45	9-494-565	494-530-565-6	6 565-636-706-777	/42-848-953-1024	///-883-989-1059	
	External sta	ic pressure	Ра				0				
Motor	Type					0.050	DC motor		0.	100	
A : 61	Output		KVV			0.050	DDU		0.	120	
Air filter		0				40.7 (40) (45.00 (50)	PP Honeycom)			
Refriger	ant	(Flare) mm(in.)		ø12.7	(ø1/2)	(Compatible)	ø15.88(ø5/8)		ø15.88 (ø5/8) / ø19.05 (ø3/4) (Compatible)		
pipe dia	meter	Liquid (Flare)	mm(in.)	ø6.35	(ø1/4)	ø6.35 (ø1/4) / ø9.52 (ø3/8) (Compatible)	8)		.52 (ø3/8)		
Field dra	ain pipe d	iameter	mm(in.)	O.D. 32 (1-1/4)							
Sound p	ressure	level		27-28-29-31 27-20		0 00 04	28-29-30-32 30-32-35-37		04.07.00.44	05 00 44 40	
(Lo-Mid	1-Mid2-Hi) *2 *3	UD(A)			8-30-31			34-37-39-41	35-38-41-43	
				PLFY-P20	VCM-E	PLFY-P25VCM-	E	PLFY-P32VCM-E	PLFY-P40VCM-E		
Powers	source					1-phase 2		240V 50Hz			
Cooling capacity		, *1	kW	2.2		2.8		3.6	4.5		
Cooling capacit		*1	BIU/h	7,500		9,600		12,300		15,400	
Heating capacit		/ *1	kW	2.5		3,2		4.0	5.0		
Devues	-	Cooling	BIU/n	8,500)	10,900		13,600		17,100	
consum	ntion	Heating	KVV	0.05		0.05		0.06	0.06		
oonoun	ipuon	Cooling	A .	0.05		0.05		0.06		0.06	
Current		Hoating		0.23		0.23		0.20		0.20	
Externa	l finish	Linit	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	0.23		Galvanized st	el sheet with an	v heat insulation		0.20	
External finish		Danol		White (6 4Y 8 9/0 4)							
Dimone	in rio.)	Unit mm(in)		208 x 570 x 570 (8.1/4 x 22.1/2 x 22.1/2)							
HxWx	D	Panel mm(in.)		20 x 650 x 650 (13/14 x 25.5/8)							
	-	Unit	ka(lbs.)	15.5 (35)							
Net weight		Panel	kg(lbs.)		3 (7)				3 (7)		
Heat ex	changer	1 anoi			5(1)	Cross fin (Alu	minum plate fin :	ind conner tube)	3(1)		
	Type x Quantity			Turber fan y 1							
	Турох	zuanaty		8-9-10			8-9-11		8-9-11		
Fan	Airflow	ato *2	m³/min			8-9-10					
	(Lo-Mid	-Hi)	1 /s			100 150 167		122 150 102	100	150 100	
	(,	cfm	202 210	252	202 210 252		100-100	100	210 200	
	External statio		CIIII	203-310-333		203-310-333 283-3		203-310-300	203	-310-300	
	pressure		Pa	0 (direct blow)							
Motor	Type				1-phase induction motor						
Outp		JT	ĸŴ	0.011		0.015	0.02 0.02			0.02	
Air filter			<i>(</i> ,)		PP Honeycomb (long life type)						
Refrige	rant	Gas(Flare)	mm(in.)	ø12.7 (ø1/2)							
pipe dia	arrieter	Liquid(Flare)	mm(in.)	ø6.35 (ø1/4)							
Field dr	ain pipe (lameter	mm(in.)		1		O.D. 32 (1-1/4)				
Sound	pressure	ievel	dB(A)	28-31-3	35	28-31-37		29-33-38	3)-34-39	

				PLFY-P32VBM-E	PLFY-P40VBM-E	PLFY-P50VBM-E	PLFY-P63VBM-E	PLFY-P80VBM-E	PLFY-P100VBM-E	PLFY-P125VBM-E		
Power s	source					1-phase 220-	240V 50Hz / 1-pha	se 200V 60Hz				
Casling	conocit	*1	kW	3.6	4.5	5.6	7.1	9.0	11.2	14.0		
Cooling capacity *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		
Heating	capacity	*1	BTU/h	13,600	17,100	21,500	27,300	34,100	42,700	54,600		
Power		Cooling	kW	0.03	0	.04	0.05	0.07	0.15	0.16		
consumption H Current H		Heating	kW	0.02		.03	0.04	0.06	0.14	0.15		
		Cooling	Α	0.22	0	.29	0.36	0.51	1.00	1.07		
		Heating	A	0.14		.22	0.29	0.43	0.94	1.00		
Externa	l finish	Unit				G	alvanized steel she	et				
(Munse	ll No.)	Panel		White (6.4Y 8.9/0.4)								
Dimensio	n	Unit	mm(in.)		258 x 840	.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)			
HxWxD		Panel mm(in.)				35 x 950 x	3 x 37-7/16)					
Not woight		Unit	kg(lbs.)		22 (49)		23	23 (51) 27 (60)				
NOT WO	gin	Panel	kg(lbs.)	6 (13)								
Heat ex	changer			Cross fin (Aluminum plate fin and copper tube)								
	Type x (Quantity					Turbo fan x 1					
	Airflow	rate *2	m³/min	11-12-13-14	12-1:	3-14-16	14-15-16-18	16-18-20-22	21-24-27-29	22-25-28-30		
Fan	(Lo-Mid1	-Mid2-Hi)	L/s	183-200-217-233	200-21	7-233-267	233-250-267-300	267-300-333-367	350-400-450-483	367-417-467-500		
	`	,	cfm	388-424-459-494	424-45	9-494-565	494-530-565-636	565-636-706-777	742-848-953-1024	777-883-989-1059		
	External sta	tic pressure	Pa		0							
Motor	Туре			DC motor								
WOLDI	Output		kW			0.050			0.1	20		
Air filter							PP Honeycomb					
Refrige	rant	Gas (Flare) mm(in.) Liquid (Flare) mm(in.)		ø12.7 (ø1/2) ø6.35 (ø1/4)		ø12.7 (ø1/2) / ø15.88 (ø5/8) (Compatible)	ø15.88(ø5/8)		ø15.88 (ø5/8) / ø19.05 (ø3/4) (Compatible) 52 (ø3/8)			
pipe dia	meter					ø6.35 (ø1/4) / ø9.52 (ø3/8)		ø9.52				
Field dra	ain pipe d	iameter	mm(in.)	(00.11242.07)			O.D. 32 (1-1/4)					
Sound pressure le (Lo-Mid1-Mid2-Hi)		level) *2 *3	dB(A)	27-28-29-31		8-30-31	28-29-30-32	30-32-35-37	34-37-39-41	35-38-41-43		
_				PLFY-P20	PLFY-P20VCM-E PLFY-P25VCM-E PLFY-P32VCM-E PLFY-P40VCM-E							
Power	source					1-phase		40V 50Hz				
Cooling capacity			kW	2.2		2.8	3.6		4.5			
		*1	BIU/h	7,500		9,600		12,300		15,400		
Heating capacit		y *1	kW	2.5		3,2	4.0		5.0			
Device		Cooling	BIU/n	8,500)	10,900		13,600		7,100		
CONSUM	notion	Locting	KW/	0.05		0.05		0.06		0.06		
consumption		Cooling	Λ	0.05		0.05	0.00		0.06			
Current	t	Hoating	Δ	0.23		0.23	0.28		0.20			
Externs	l finish	Linit	A	0.23	FY-P20VCM-E PLFY-P25VCM-E PLFY-P20VCM-E PLFY-P40 1-phase 220-240V 50Hz 2.2 2.8 3.6 4.5 7,500 9,600 12,300 15,44 2.5 3,2 4.0 5.0 8,500 10,900 13,600 17,11 0.05 0.05 0.06 0.0 0.05 0.05 0.06 0.0 0.23 0.23 0.28 0.2 Galvanized steel sheet with gray heat insulation	0.20						
(Munse	al Innian	Donol				Galvanizeu si	White (6 4X 8 9/0 4					
Dimond	nion	LInit	mm(in)			209 × 570	v E70 (0.41 0.3/0.4	12 x 22 1/2)				
		Panel	mm(in.)			200 x 570	650 (13/16 x 25 5	12 X 22-1/2) 18 x 25 5/8)				
H x W x D		Linit	ka(lbs)		15.5 (35	5)			17 (29)			
Net we	ight	Panel	kg(lb3.)		3 (7))		3 (7)				
Heate	changer	1 and	g(100.)		5(7)	Cross fin (Alu	minum plato fin an	d connor tubo)	3(7)			
	Tupo x Quantity			Turbo fan v 1								
Fan	Type X	Quantity	m³/min	8-9-10		8-9-10		8-9-11	8-9-11			
	Airflow (Lo-Mid	rate *2 -Hi)	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)								
Mater	Туре			1-phase induction motor								
IVIOTOP	Outp	ut	kW	0.011		0.015 0.02				0.02		
Air filte	r .			PP Honeycomb (long life type)								
Refrigerant Gas(Flare) mm(in.)			mm(in.)	ø12.7 (ø1/2)								
pipe diameter Liquid(Flare) mm(in.)			mm(in.)	ø6.35 (ø1/4)								
Field drain pipe diameter mm(in.)			mm(in.)	O.D. 32 (1-1/4)								
Sound pressure level (Lo-Mid-Hi) *2 *3		dB(A)	28-31-3	35	28-31-37		29-33-38	30)-34-39			

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-middle1-middle2-high).

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



Specifications