

1. SPECIFICATIONS

Ceiling cassette (4-way flow type)

Model			PLFY-P32VEM-A	PLFY-P40VEM-A	PLFY-P50VEM-A	PLFY-P63VEM-A
Power source			1-phase 220-240V 50Hz, 1-phase 220/230V 60Hz			
Cooling capacity (Nominal)	*1	kW	3.6	4.5	5.6	7.1
	*1	BTU / h	12,300	15,400	19,100	24,200
	Power input	kW	0.03	0.03	0.03	0.03
	Current input	A	0.32	0.32	0.32	0.36
Heating capacity (Nominal)	*2	kW	4.0	5.0	6.3	8.0
	*2	BTU / h	13,600	17,100	21,500	27,300
	Power input	kW	0.03	0.03	0.03	0.03
	Current input	A	0.25	0.25	0.25	0.29
External finish			Galvanized steel sheet			
External dimension H x W x D		mm	258 x 840 x 840			
		in.	10-3/16 x 33-3/32 x 33-3/32			
Net weight		kg (lbs)	19 (42)	19 (42)	19 (42)	21 (46)
Decoration panel	Model		PLP-6EA	PLP-6EA	PLP-6EA	PLP-6EA
	External finish		MUNSELL (1.0Y 9.2/0.2)			
	Dimension H x W x D	mm	40 x 950 x 950			
		in.	1-9/16 x 37-13/32 x 37-13/32			
	Net weight	kg (lbs)	5 (11)			
Heat exchanger			Micro slit fin (Aluminum fin and copper tube)			
FAN	Type x Quantity		Turbo fan x 1	Turbo fan x 1	Turbo fan x 1	Turbo fan x 1
	External static press.	Pa	0	0	0	0
		mmH ₂ O	0	0	0	0
	Motor type		DC motor			
	Motor output	kW	0.050	0.050	0.050	0.050
	Driving mechanism		Direct-drive			
	Airflow rate		(Low-Mid2-Mid1-High)	(Low-Mid2-Mid1-High)	(Low-Mid2-Mid1-High)	(Low-Mid2-Mid1-High)
		m ³ / min	13 - 14 - 16 - 17	13 - 14 - 16 - 18	13 - 14 - 16 - 19	15 - 16 - 17 - 19
		L / s	217 - 233 - 267 - 283	217 - 233 - 267 - 300	217 - 233 - 267 - 317	250 - 267 - 283 - 317
cfm		459 - 494 - 565 - 600	459 - 494 - 565 - 636	459 - 494 - 565 - 671	530 - 565 - 600 - 671	
Sound pressure level (measured in anechoic room)		(Low-Mid2-Mid1-High) dB <A>	(Low-Mid2-Mid1-High) 26 - 27 - 29 - 31	(Low-Mid2-Mid1-High) 26 - 27 - 29 - 31	(Low-Mid2-Mid1-High) 26 - 27 - 29 - 31	(Low-Mid2-Mid1-High) 28 - 29 - 30 - 32
Insulation material			PS			
Air filter			PP honeycomb			
Protection device			Fuse			
Refrigerant control device			LEV			
Connectable outdoor unit			R410A CITY MULTI			
Diameter of refrigerant pipe	Liquid (R410A)	mm (in.)	ø6.35 (ø1/4) Flare	ø6.35 (ø1/4) Flare	ø6.35 (ø1/4) Flare	ø9.52 (ø3/8) Flare
	Gas (R410A)	mm (in.)	ø12.7 (ø1/2) Flare	ø12.7 (ø1/2) Flare	ø12.7 (ø1/2) Flare	ø15.88 (ø5/8) Flare
Field drain pipe size		mm (in.)	O.D. ø32 (1-1/4) (VP-25)			
Standard attachment	Document Accessory		Installation Manual, Instruction Book			
Remark	Optional parts					
	Decoration panel **1		PLP-6EA	PLP-6EA	PLP-6EA	PLP-6EA
	Signal receiver panel **1		PLP-6EAL	PLP-6EAL	PLP-6EAL	PLP-6EAL
	3D i-see Sensor panel **1		PLP-6EAE	PLP-6EAE	PLP-6EAE	PLP-6EAE
	3D i-see Sensor and signal receiver panel **1		PLP-6EAL	PLP-6EAL	PLP-6EAL	PLP-6EAL
	Auto elevation and signal receiver panel **1		PLP-6EAE	PLP-6EAE	PLP-6EAE	PLP-6EAE
	Auto elevation, 3D i-see Sensor and signal receiver panel **1		PLP-6EAE	PLP-6EAE	PLP-6EAE	PLP-6EAE
	With wireless remote controller and signal receiver panel **1		PLP-6EAL	PLP-6EAL	PLP-6EAL	PLP-6EAL
	With wireless remote controller, signal receiver and 3D i-see Sensor panel **1		PLP-6EAL	PLP-6EAL	PLP-6EAL	PLP-6EAL
	Air outlet shutter plate		PAC-SJ37SP-E	PAC-SJ37SP-E	PAC-SJ37SP-E	PAC-SJ37SP-E
	High efficiency filter element **2		PAC-SH59KF-E	PAC-SH59KF-E	PAC-SH59KF-E	PAC-SH59KF-E
	Multi-function casement		PAC-SJ41TM-E	PAC-SJ41TM-E	PAC-SJ41TM-E	PAC-SJ41TM-E
	3D i-see Sensor corner panel		PAC-SE1ME-E	PAC-SE1ME-E	PAC-SE1ME-E	PAC-SE1ME-E
	Wireless signal receiver		PAR-SE9FA-E	PAR-SE9FA-E	PAR-SE9FA-E	PAR-SE9FA-E
	Space panel		PAC-SJ65AS-E	PAC-SJ65AS-E	PAC-SJ65AS-E	PAC-SJ65AS-E
	Duct flange for fresh air intake		PAC-SH65OF-E	PAC-SH65OF-E	PAC-SH65OF-E	PAC-SH65OF-E
	Plasma Quad Connect		PAC-SK51FT-E	PAC-SK51FT-E	PAC-SK51FT-E	PAC-SK51FT-E
			**1.PLFY-P-VEM-A should be used together with PLP-6EA. **2.PAC-SJ41TM-E is necessary to use with filter PAC-SH59KF-E.			
	Installation		Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual.			
	Note :	*1 Nominal cooling condition		*2 Nominal heating condition		
Indoor : 27°CDB/19°CWB (81°FDB/66°FWB)		20°CDB (68°FDB)				
Outdoor : 35°CDB (95°FDB)		7°CDB/6°CWB (45°FDB/43°FWB)				
Pipe length : 7.5 m (24-9/16 ft)		7.5 m (24-9/16 ft)				
Level difference : 0 m (0 ft)		0 m (0 ft)				
* Nominal conditions *1, *2 are subject to JIS B8615-1.						
* Due to continuing improvement, above specification may be subject to change without notice.						

1. SPECIFICATIONS

Ceiling cassette (4-way flow type)

PLFY-P-VEM-E/-A

Model			PLFY-P80VEM-A	PLFY-P100VEM-A	PLFY-P125VEM-A	PLFY-P140VEM-A
Power source			1-phase 220-240V 50Hz, 1-phase 220/230V 60Hz			
Cooling capacity (Nominal)	*1	kW	9.0	11.2	14.0	16.0
	*1	BTU / h	30,700	38,200	47,800	54,600
	Power input	kW	0.05	0.07	0.11	0.11
	Current input	A	0.50	0.67	1.06	1.06
Heating capacity (Nominal)	*2	kW	10.0	12.5	16.0	18.0
	*2	BTU / h	34,100	42,700	54,600	61,400
	Power input	kW	0.05	0.07	0.11	0.11
	Current input	A	0.43	0.60	0.99	0.99
External finish			Galvanized steel sheet			
External dimension H x W x D		mm	258 x 840 x 840	298 x 840 x 840		
		in.	10-3/16 x 33-3/32 x 33-3/32	11-3/4 x 33-3/32 x 33-3/32		
Net weight		kg (lbs)	21 (46)	24 (53)	24(53)	26(57)
Decoration panel	Model		PLP-6EA	PLP-6EA	PLP-6EA	PLP-6EA
	External finish		MUNSELL (1.0Y 9.2/0.2)			
	Dimension H x W x D	mm	40 x 950 x 950			
		in.	1-9/16 x 37-13/32 x 37-13/32			
	Net weight		kg (lbs)	5 (11)		
Heat exchanger			Micro slit fin (Aluminum fin and copper tube)			
FAN	Type x Quantity		Turbo fan x 1	Turbo fan x 1	Turbo fan x 1	Turbo fan x 1
	External static press.	Pa	0	0	0	0
		mmH2O	0	0	0	0
	Motor type		DC motor			
	Motor output	kW	0.050	0.120	0.120	0.120
	Driving mechanism		Direct-drive			
	Airflow rate		(Low-Mid2-Mid1-High)	(Low-Mid2-Mid1-High)	(Low-Mid2-Mid1-High)	(Low-Mid2-Mid1-High)
		m³ / min	15 - 18 - 20 - 23	20 - 23 - 26 - 29	24 - 26 - 30 - 35	22 - 27 - 31 - 35
		L / s	250 - 300 - 333- 383	333 - 383 - 433 - 483	400 - 433 - 500 - 583	367 - 450 - 517 - 583
		cfm	530 - 636 - 706 - 812	706 - 812 - 918 - 1024	847 - 918 - 1060 - 1236	777 - 953 - 1095 - 1235
Sound pressure level (measured in anechoic room)		dB <A>	(Low-Mid2-Mid1-High) 28 - 31 - 34 - 37	(Low-Mid2-Mid1-High) 34 - 37 - 39 - 41	(Low-Mid2-Mid1-High) 35 - 39 - 42 - 45	(Low-Mid2-Mid1-High) 36 - 39 - 42 - 45
Insulation material			PS			
Air filter			PP honeycomb			
Protection device			Fuse			
Refrigerant control device			LEV			
Connectable outdoor unit			R410A CITY MULTI			
Diameter of refrigerant pipe	Liquid (R410A)	mm (in.)	ø9.52 (ø3/8) Flare	ø9.52 (ø3/8) Flare	ø9.52 (ø3/8) Flare	ø9.52 (ø3/8) Flare
	Gas (R410A)	mm (in.)	ø15.88 (ø5/8) Flare	ø15.88 (ø5/8) Flare	ø15.88 (ø5/8) Flare	ø15.88 (ø5/8) Flare
Field drain pipe size		mm (in.)	O.D. ø32 (1-1/4) (VP-25)			
Standard attachment	Document Accessory		Installation Manual, Instruction Book			
Remark	Optional parts					
	Decoration panel **1		PLP-6EA	PLP-6EA	PLP-6EA	PLP-6EA
	Signal receiver panel **1		PLP-6EAL	PLP-6EAL	PLP-6EAL	PLP-6EAL
	3D i-see Sensor panel **1		PLP-6EAE	PLP-6EAE	PLP-6EAE	PLP-6EAE
	3D i-see Sensor and signal receiver panel **1		PLP-6EAL	PLP-6EAL	PLP-6EAL	PLP-6EAL
	Auto elevation and signal receiver panel **1		PLP-6EAJ	PLP-6EAJ	PLP-6EAJ	PLP-6EAJ
	Auto elevation, 3D i-see Sensor and signal receiver panel **1		PLP-6EAJE	PLP-6EAJE	PLP-6EAJE	PLP-6EAJE
	With wireless remote controller and signal receiver panel **1		PLP-6EALM	PLP-6EALM	PLP-6EALM	PLP-6EALM
	With wireless remote controller, signal receiver and 3D i-see Sensor panel **1		PLP-6EALME	PLP-6EALME	PLP-6EALME	PLP-6EALME
	Air outlet shutter plate		PAC-SJ37SP-E	PAC-SJ37SP-E	PAC-SJ37SP-E	PAC-SJ37SP-E
	High efficiency filter element **2		PAC-SH59KF-E	PAC-SH59KF-E	PAC-SH59KF-E	PAC-SH59KF-E
	Multi-function casement		PAC-SJ41TM-E	PAC-SJ41TM-E	PAC-SJ41TM-E	PAC-SJ41TM-E
	3D i-see Sensor corner panel		PAC-SE1ME-E	PAC-SE1ME-E	PAC-SE1ME-E	PAC-SE1ME-E
	Wireless signal receiver		PAR-SE9FA-E	PAR-SE9FA-E	PAR-SE9FA-E	PAR-SE9FA-E
	Space panel		PAC-SJ65AS-E	PAC-SJ65AS-E	PAC-SJ65AS-E	PAC-SJ65AS-E
	Duct flange for fresh air intake		PAC-SH65OF-E	PAC-SH65OF-E	PAC-SH65OF-E	PAC-SH65OF-E
	Plasma Quad Connect		PAC-SK51FT-E	PAC-SK51FT-E	PAC-SK51FT-E	PAC-SK51FT-E
			**1.PLFY-P-VEM-A should be used together with PLP-6EA. **2.PAC-SJ41TM-E is necessary to use with filter PAC-SH59KF-E.			
	Installation		Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual.			
	Note :	*1 Nominal cooling condition		*2 Nominal heating condition		
Indoor :		27°CDB/19°CWB (81°FDB/66°FWB)	20°CDB (68°FDB)			BTU/h = kW x 3.412
Outdoor :		35°CDB (95°FDB)	7°CDB/6°CWB (45°FDB/43°FWB)			cfm = m³/min x 35.31
Pipe length :		7.5 m (24-9/16 ft)	7.5 m (24-9/16 ft)			lbs = kg / 0.4536
Level difference :		0 m (0 ft)	0 m (0 ft)			*Above specification data is subject to rounding variation
* Nominal conditions *1, *2 are subject to JIS B8615-1.						
* Due to continuing improvement, above specification may be subject to change without notice.						