

AIR CONDITIONING SYSTEMS

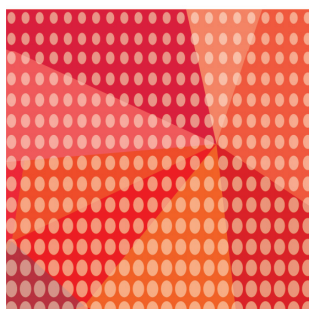
CITY MULTI



DATA BOOK

MODEL

PLFY-P-VEM-PA



PLFY-P-VEM-PA

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1. SPECIFICATIONS

Ceiling cassette (4-way flow type)

PLFY-P-VEM-PA

Model			PLFY-P32VEM-PA	PLFY-P40VEM-PA	PLFY-P50VEM-PA	PLFY-P63VEM-PA
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
	Current input		A	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
	Current input		A	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
	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)	(Low-Mid2-Mid1-High)	(Low-Mid2-Mid1-High)	(Low-Mid2-Mid1-High)	
		dB <A>	26 - 27 - 29 - 31	26 - 27 - 29 - 31	26 - 27 - 29 - 31	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-PA should be used together with PLP-6EA/EAL/EAE/EAL/EAE/EAL/EALME. **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 = m ³ /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)				
* Nominal conditions *1, *2 are subject to JIS B8615-1.						
* Due to continuing improvement, above specification may be subject to change without notice.						
*Above specification data is subject to rounding variation.						

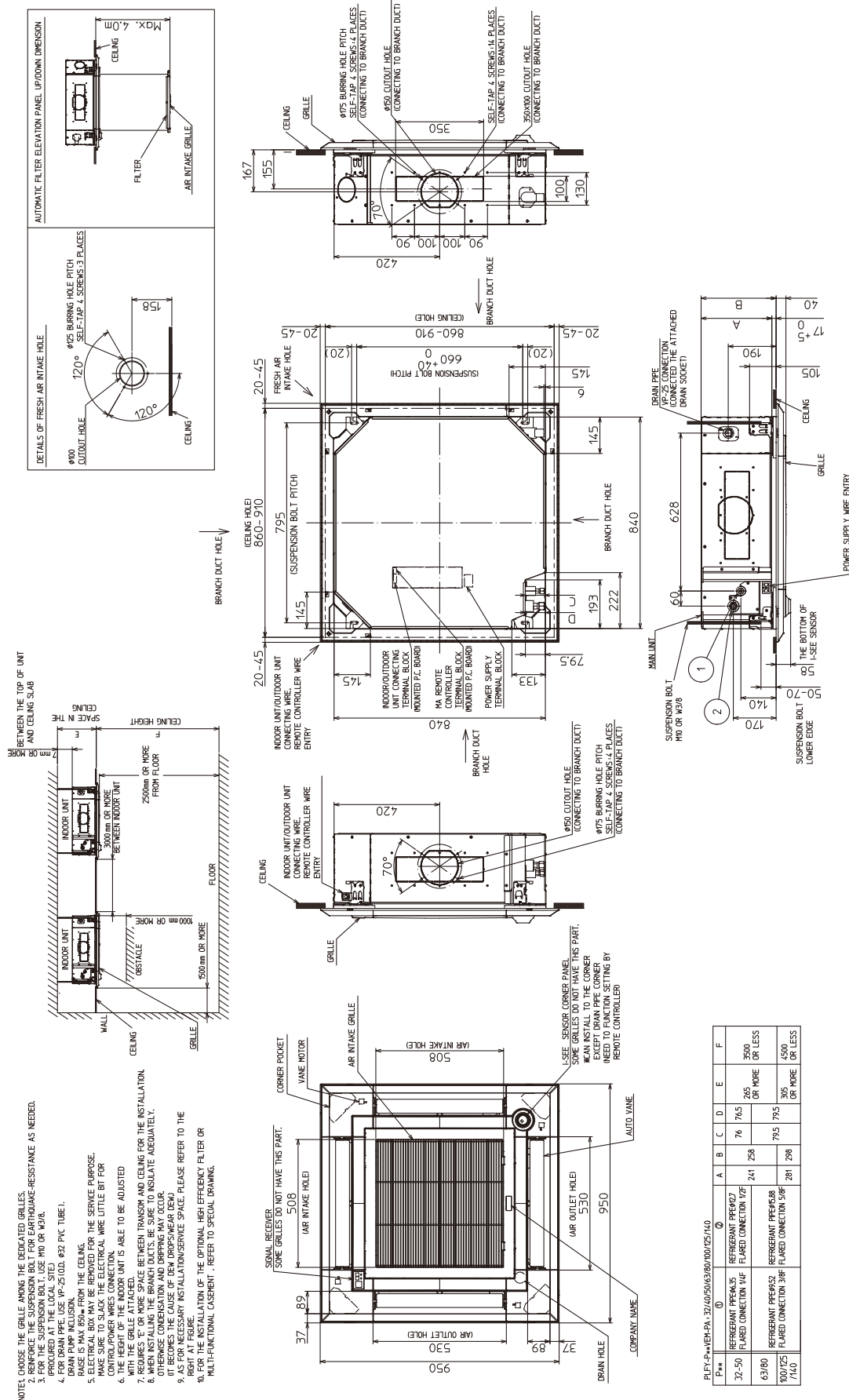
1. SPECIFICATIONS

Ceiling cassette (4-way flow type)

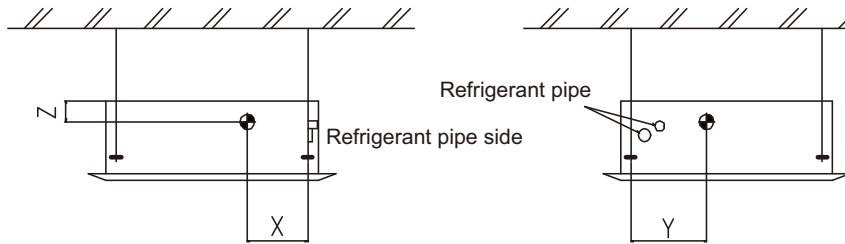
Model			PLFY-P80VEM-PA	PLFY-P100VEM-PA	PLFY-P125VEM-PA	PLFY-P140VEM-PA
Power source			1-phase 220-240V 50Hz, 1-phase 220/230V 60Hz			
Cooling capacity (Nominal)	*1	kW	9.0	11.2	14.0	16.0
	*1	BTU / h	30,700	38,200	47,800	54,600
	Power input	kW	0.05	0.07	0.11	0.11
	Current input	A	0.50	0.67	1.06	1.06
Heating 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-PA should be used together with PLP-6EA/EAL/EAE/EAL/EAE/EALME. **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)				
* Nominal conditions *1, *2 are subject to JIS B8615-1.						
* Due to continuing improvement, above specification may be subject to change without notice.						
*Above specification data is subject to rounding variation						

Unit: mm

PLFY-P-VEM-PA



PLFY-P32, 40, 50, 63, 80, 100, 125, 140VEM-PA



(mm)[in]

Model name	X	Y	Z
PLFY-P32VEM-PA	325 [12-13/16]	390 [15-3/8]	115 [4-17/32]
PLFY-P40VEM-PA	325 [12-13/16]	390 [15-3/8]	115 [4-17/32]
PLFY-P50VEM-PA	325 [12-13/16]	390 [15-3/8]	115 [4-17/32]
PLFY-P63VEM-PA	325 [12-13/16]	390 [15-3/8]	115 [4-17/32]
PLFY-P80VEM-PA	325 [12-13/16]	390 [15-3/8]	115 [4-17/32]
PLFY-P100VEM-PA	325 [12-13/16]	380 [14-31/32]	100 [3-15/16]
PLFY-P125VEM-PA	325 [12-13/16]	380 [14-31/32]	100 [3-15/16]
PLFY-P140VEM-PA	325 [12-13/16]	380 [14-31/32]	100 [3-15/16]

PLFY-P32, 40, 50, 63, 80, 100, 125, 140VEM-PA

[LEGEND]

SYMBOL	NAME	SYMBOL	NAME
DP	DRAIN PUMP	OPTION PART	
FS	DRAIN FLOAT SWITCH	MT	I-SEE SENSOR MOTOR
I. B	INDOOR CONTROLLER BOARD	W.B	PCB FOR WIRELESS REMOTE CONTROLLER
CN27	CONNECTOR DAMPER	BZ	BUZZER
CN32	REMOTE SWITCH	LED1	LED (OPERATION INDICATION : GREEN)
CN51	CENTRALLY CONTROL	LED2	LED (PREPARATION FOR HEATING : ORANGE)
CN52	REMOTE INDICATION	RU	RECEIVING UNIT
F1	FUSE (T 6.3AL 250V)	SW1	EMERGENCY OPERATION (HEAT/DOWN)
SW1	SWITCH MODE SELECTION	SW2	EMERGENCY OPERATION (COOL/UP)
SW11	ADDRESS SETTING 1s DIGIT	TB15	TERMINAL MA-REMOTE CONTROLLER
SW12	ADDRESS SETTING 10s DIGIT	TB2	BLOCK POWER SUPPLY
SW14	BRANCH NO.	TB5	TRANSMISSION
SW2	CAPACITY CODE	TH21	ROOM TEMP. DETECTION (0°C / 15kΩ, 25°C / 5.4kΩ)
SW21	CEILING HEIGHT DISCHARGE OUTLET NUMBER OPTION SELECTOR	TH22	PIPE TEMP. DETECTION/LIQUID (0°C / 15kΩ, 25°C / 5.4kΩ)
SW22	PAIR NO. SETTING	TH23	PIPE TEMP. DETECTION/GAS (0°C / 15kΩ, 25°C / 5.4kΩ)
SW3	MODE SELECTION		
SWE	DRAIN PUMP (TEST MODE)		
LEV	LINEAR EXPANSION VALVE		
MF	FAN MOTOR		
MV	VANE MOTOR		

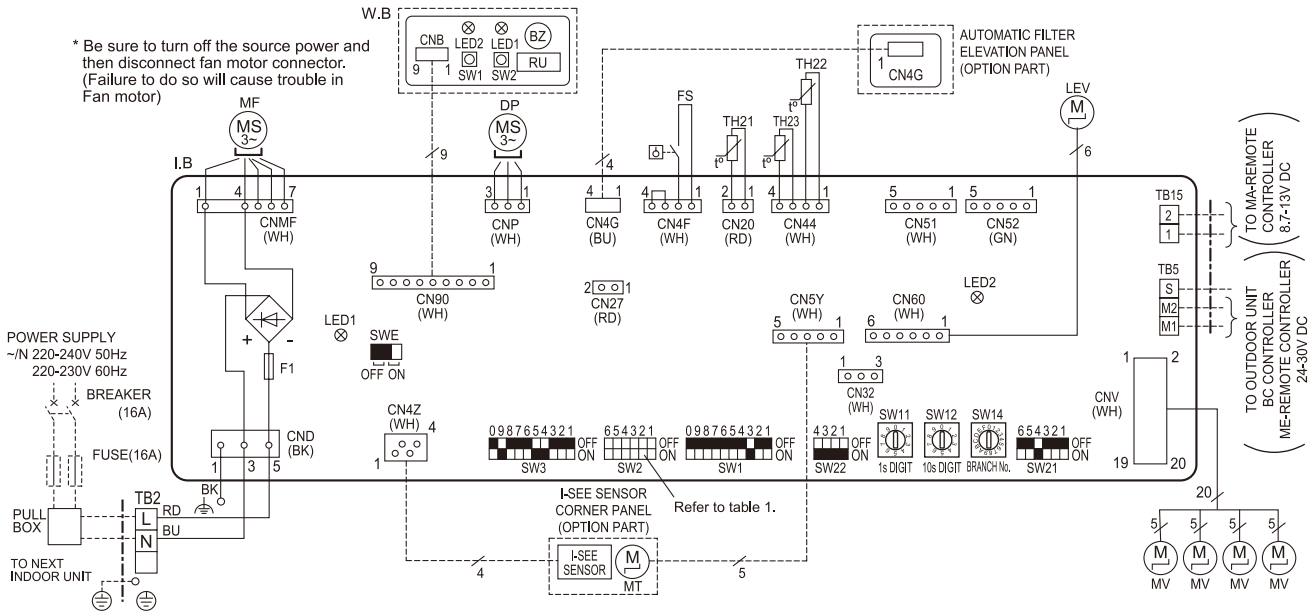
- NOTES:
- At servicing for outdoor unit, always follow the wiring diagram of outdoor unit.
 - In case of using MA-Remote controller, please connect to TB15. (Remote controller wire is non-polar.)
 - In case of using ME-Remote controller, please connect to TB5. (Transmission line is non-polar.)
 - Symbol [S] of TB5 is the shield wire connection.
 - Symbols used in wiring diagram above are, : terminal block, : connector.
 - The setting of SW2 differs in the capacity and model. For the detail, refer to the table 1.
 - Make sure to turn off the indoor and the outdoor units before replacing indoor controller board.
 - is the switch position.

LED on indoor board for service

Mark	Meaning	Function
LED1	Main power supply	Main Power supply (Indoor unit:220-240V AC) power on → lamp is lit
LED2	Power supply for MA-Remote controller	Power supply for MA-Remote controller on → lamp is lit

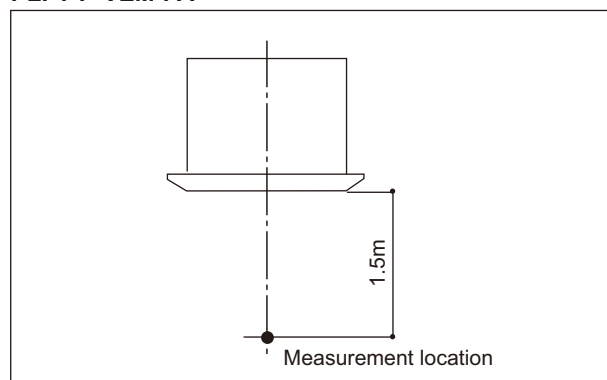
<Table 1> SW2 (CAPACITY CODE)

MODELS	SW2	MODELS	SW2	MODELS	SW2
32		63		125	
40		80		140	
50		100			



5-1. Sound levels

PLFY-P-DEM-PA



* Measured in anechoic room.

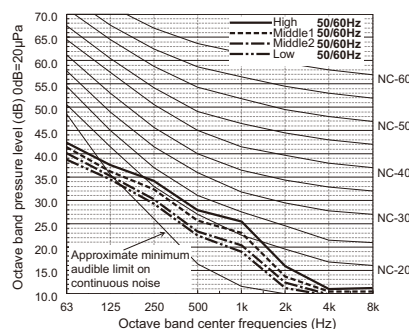
Sound level at anechoic room: Low-Mid2-Mid1-High

	Sound level dB (A)
PLFY-P32DEM-PA	26-27-29-31
PLFY-P40DEM-PA	
PLFY-P50DEM-PA	
PLFY-P63DEM-PA	28-29-30-32
PLFY-P80DEM-PA	28-31-34-37
PLFY-P100DEM-PA	34-37-39-41
PLFY-P125DEM-PA	35-39-42-45
PLFY-P140DEM-PA	36-39-42-45

5-2. NC curves

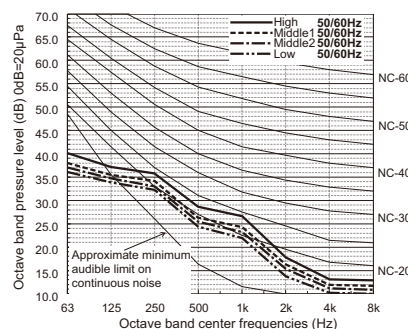
PLFY-P32, 40, 50DEM-PA

External Static Pressure: 0Pa [0.00in.WG]
Power Source: 220,230,240V, 50Hz/220,230V, 60Hz



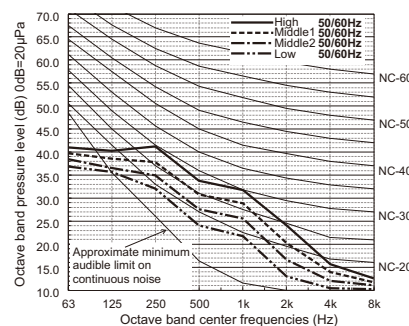
PLFY-P63DEM-PA

External Static Pressure: 0Pa [0.00in.WG]
Power Source: 220,230,240V, 50Hz/220,230V, 60Hz



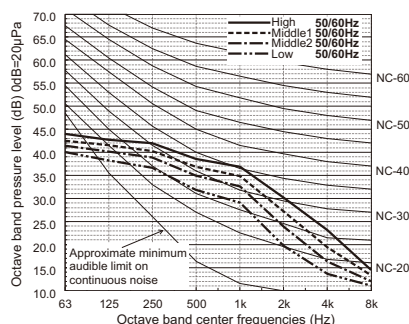
PLFY-P80DEM-PA

External Static Pressure: 0Pa [0.00in.WG]
Power Source: 220,230,240V, 50Hz/220,230V, 60Hz



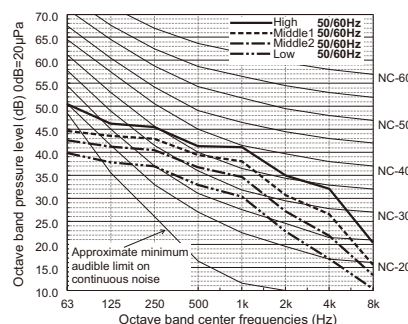
PLFY-P100DEM-PA

External Static Pressure: 0Pa [0.00in.WG]
Power Source: 220,230,240V, 50Hz/220,230V, 60Hz



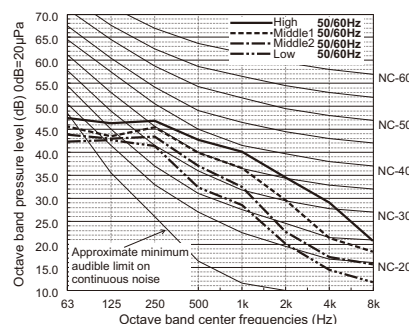
PLFY-P125DEM-PA

External Static Pressure: 0Pa [0.00in.WG]
Power Source: 220,230,240V, 50Hz/220,230V, 60Hz



PLFY-P140DEM-PA

External Static Pressure: 0Pa [0.00in.WG]
Power Source: 220,230,240V, 50Hz/220,230V, 60Hz



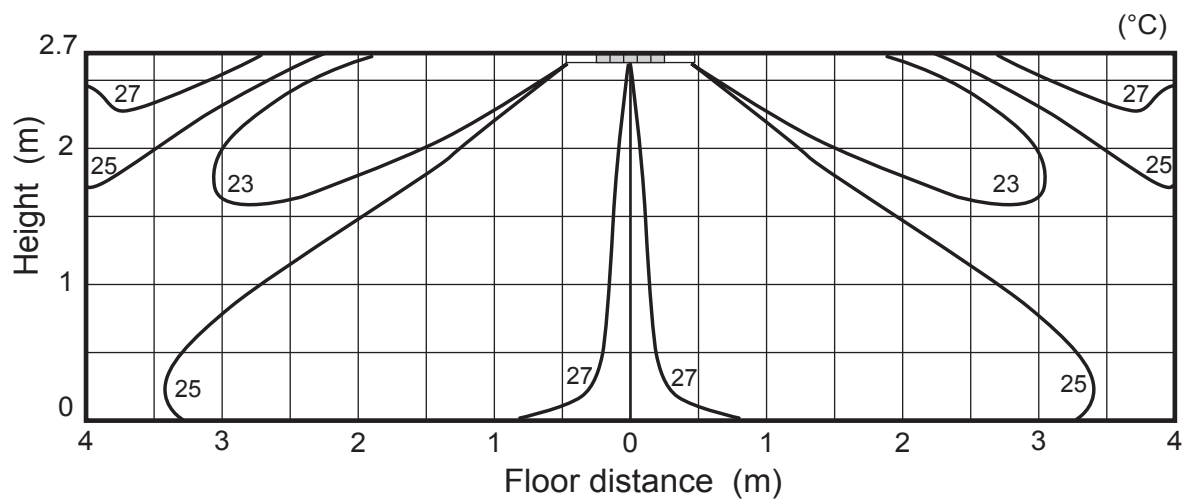
6-1. Temperature distributions

PLFY-P80VEM-PA

<Cooling mode> Standard

Flow angle : 30° 4-way flow

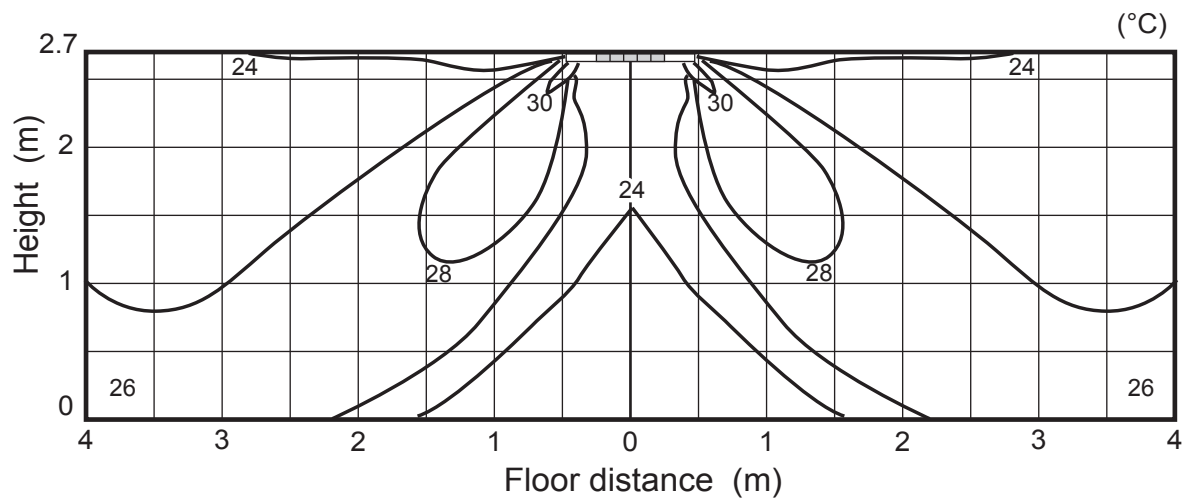
Ceiling height : 2.7m



<Heating mode> Standard

Flow angle : 60° 4-way flow

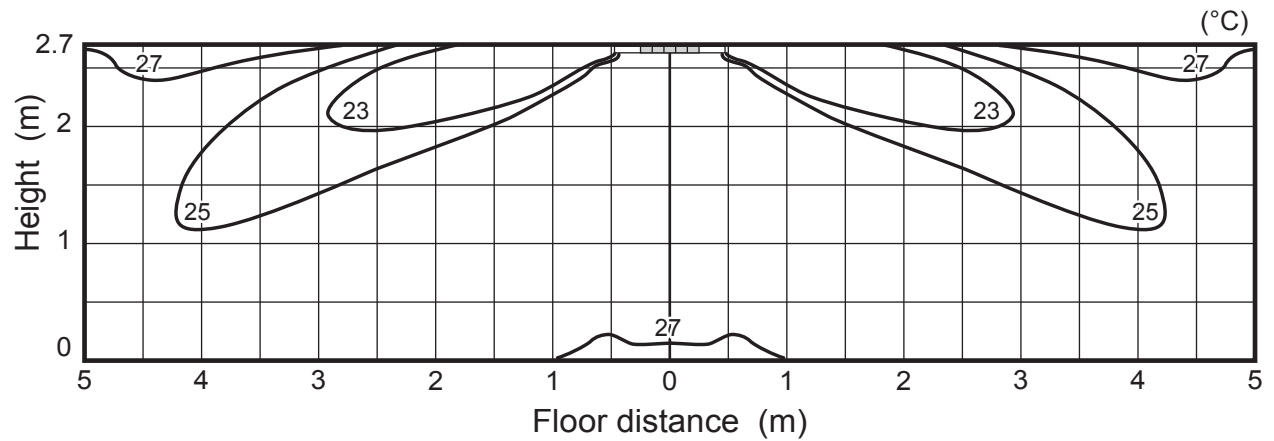
Ceiling height : 2.7m



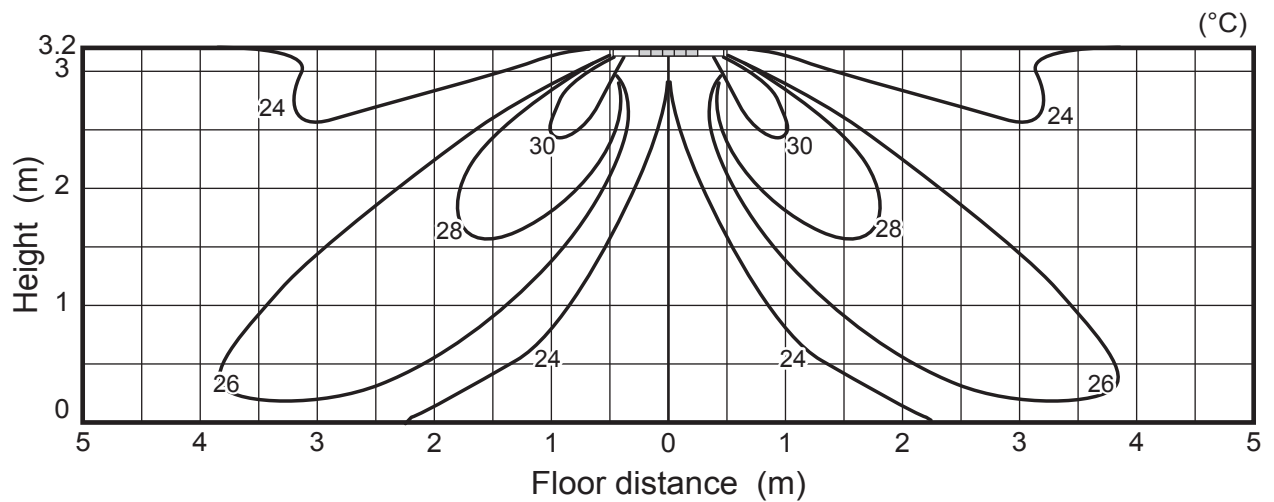
Note : These figures show typical temperature distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load, obstacles, etc.

PLFY-P100VEM-PA

<Cooling mode> Standard
 Flow angle : 30° 4-way flow
 Ceiling height : 2.7m



<Heating mode> Standard
 Flow angle : 60° 4-way flow
 Ceiling height : 3.2m



Note : These figures show typical temperature distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load, obstacles, etc.

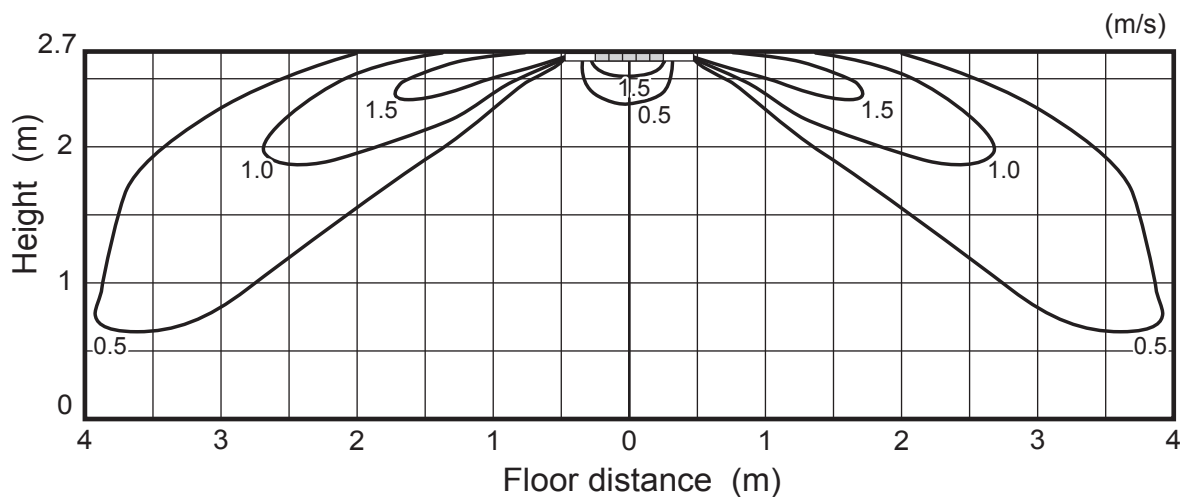
6-2. Airflow distributions

PLFY-P80VEM-PA

<Cooling mode> Standard

Flow angle : 30° 4-way flow

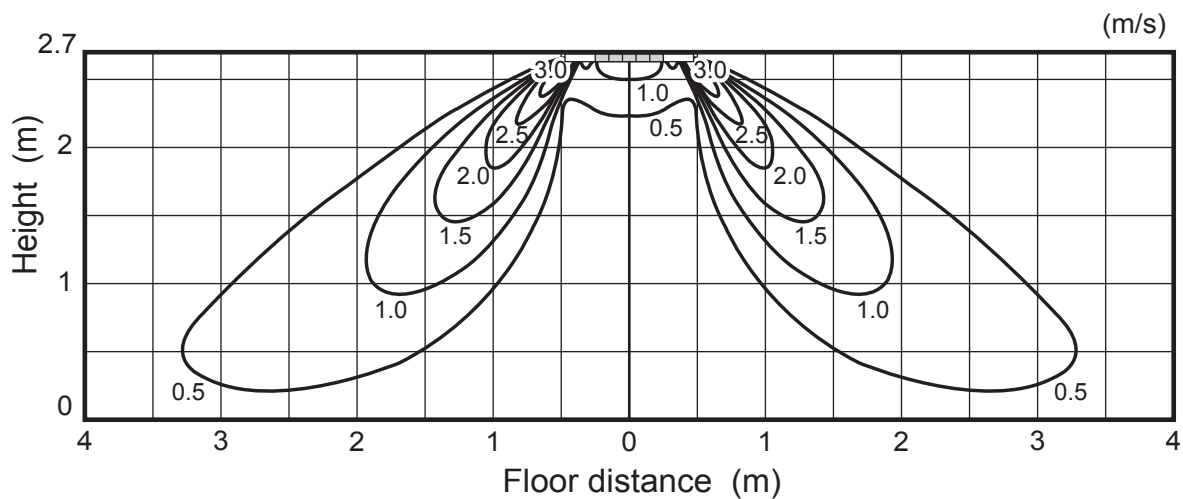
Ceiling height : 2.7m



<Heating mode> Standard

Flow angle : 60° 4-way flow

Ceiling height : 2.7m



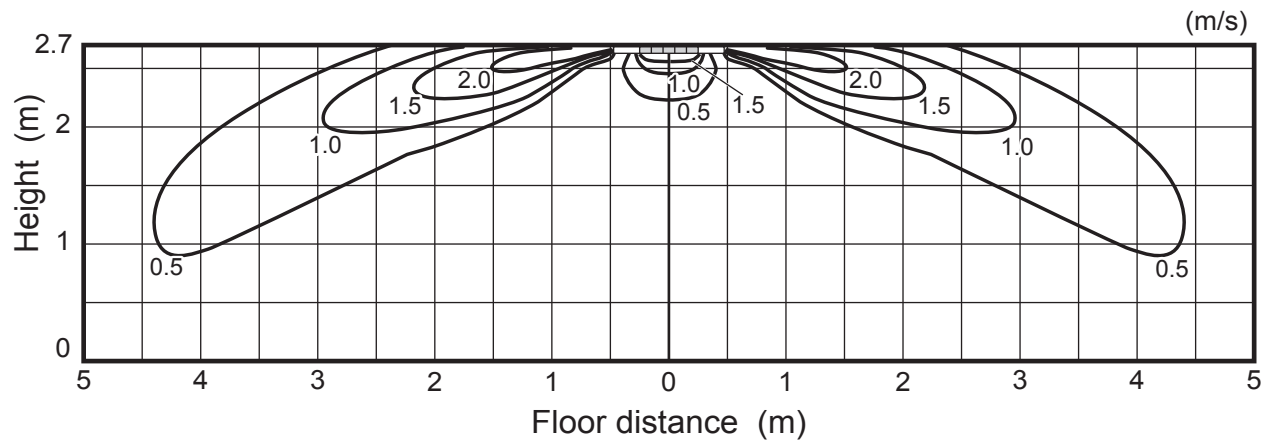
Note : These figures show typical temperature distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load, obstacles, etc.

PLFY-P100VEM-PA

<Cooling mode> Standard

Flow angle : 30° 4-way flow

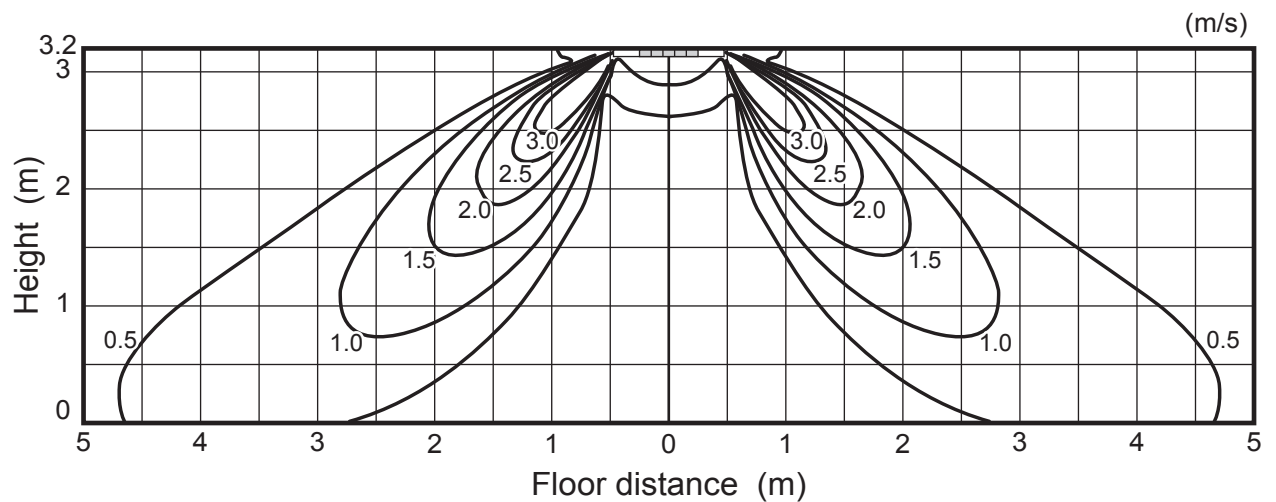
Ceiling height : 2.7m



<Heating mode> Standard

Flow angle : 60° 4-way flow

Ceiling height : 3.2m



Note : These figures show typical temperature distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load, obstacles, etc.

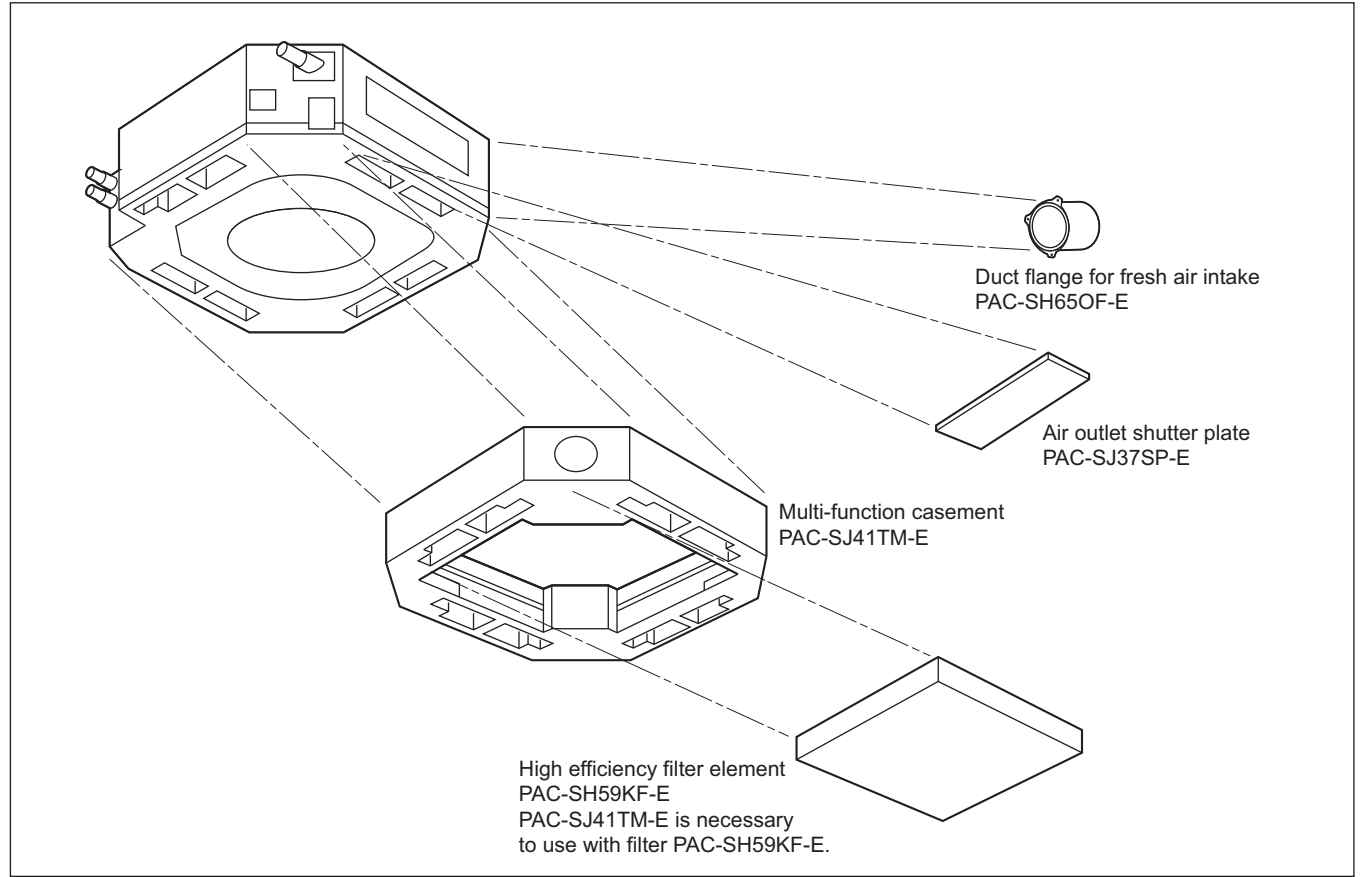
Symbols: MCA (Max.Circuit Amps =1.25xFLA), FLA (Full Load Amps)
IFM (Indoor Fan Motor), Output (Fan motor rated output)

PLFY-P-VEM-PA

PLFY-P-VEM-PA	Power supply			IFM	
	Volts/Hz	Range +-10%	MCA(A)	Output (kW)	FLA(A)
PLFY-P32VEM-PA	220-240V/50Hz 220-230V/60Hz	Max.: 264V Min.: 198V	0.28	0.05	0.22
PLFY-P40VEM-PA			0.36	0.05	0.29
PLFY-P50VEM-PA			0.36	0.05	0.29
PLFY-P63VEM-PA			0.45	0.05	0.36
PLFY-P80VEM-PA			0.64	0.05	0.51
PLFY-P100VEM-PA			1.25	0.12	1.00
PLFY-P125VEM-PA			1.34	0.12	1.07
PLFY-P140VEM-PA			1.34	0.12	1.07

8-1. Optional parts line up for the Indoor unit

	Description	Model
PLFY-P-VEM-PA	Air outlet shutter plate	PAC-SJ37SP-E
	Multi-function casement	PAC-SJ41TM-E
	High efficiency filter element	PAC-SH59KF-E
	3D i-see Sensor corner panel	PAC-SE1ME-E
	Auto elevation and signal receiver panel	PLP-6EAJ
	Wireless signal receiver	PAR-SE9FA-E
	Space panel	PAC-SJ65AS-E
	Duct flange for fresh air intake	PAC-SH65OF-E
	Plasma Quad Connect	PAC-SK51FT-E



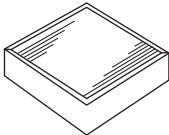
8-2. Air outlet shutter plate

Using the air outlet shutter plate to block the air outlet to modify the air-way from 4 to 3 or 2. With one shutter plate, 4 air-ways can be changed to 3; With two shutter plates, 4 air-ways can be changed to 2; Changing to 1 way is not allowed. Material: Foamed polyethylene + foamed urethane, color: Black			
Item	Shutter plate	Shutter plate	
Quantity	2	1	
Shape			

Detailed installation information should be referred to its Installation Manual.

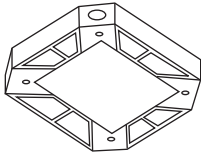
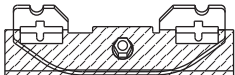
PLFY-P-VEH-PA

8-3. High efficiency filter element

Life span: 2,500 hr (Dust concentration 0.15mg/m³); Colorimetric method 65% (JIS 11 class); No re-production. * The actual dust situation affects the filter life span, which should be considered at the applying site. Material: Electrostatic polyolefin fiber High efficiency filter element PAC-SH59KF-E should be used together with the Multi-function casement PAC-SJ41TM-E. When using PAC-SH59KF-E, switching on SW21-5 of the Indoor unit address board is needed. Details should be referred to its Installation Manual.		
Quantity	1	
Shape		

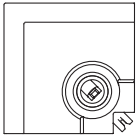
Detailed installation information is referred in its Installation Manual.

8-4. Multi-function casement

Multi-function casement is used for High efficiency filter element and/or fresh air intake from outdoor. It should be used with High efficiency filter element PAC-SH59KF-E (Colorimetric method 65%). Fresh air intake on the Multi-function casement is possible from any 2 or less corners among the 4 ones. But duct and flange on the casement should be prepare locally.				
Item	Multi-functional casement	Screw with washer (black)	Screw	Grille securing bracket
Quantity	1	4	8	4
Shape		M5 × 0.8 × 25 	M5 × 0.8 × 12 	With insulator 

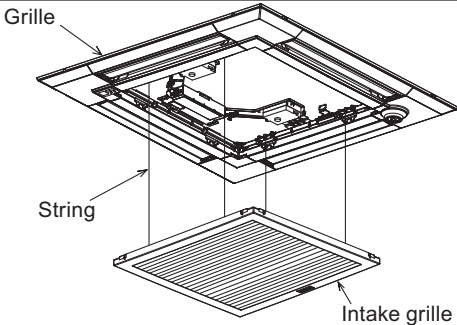
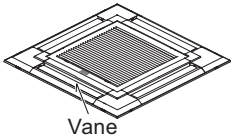
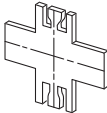
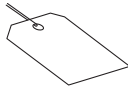
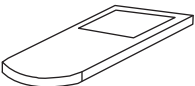
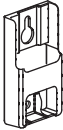
Detailed installation information should be referred to its Installation Manual.

8-5. 3D i-see Sensor corner panel

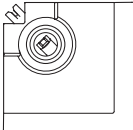
3D i-see Sensor provides comfortable space as it detects the floor temperature to prevent spotty temperature. And that enables the unit to save energy. Attention Make sure that there are no gaps between the unit and the grille, and the grille and ceiling. ※ It may cause dew dripping.		
Item	3D i-see Sensor corner panel	
Quantity	1	
Shape		

Detailed installation information should be referred to its Installation Manual.

8-6. Auto elevation panel

 · Air intake grille can be lifted and lowered automatically by wired remote controller (MA type) or wireless remote controller (Item: Wireless remote controller for auto elevation panel). · Lowering the air intake grille allows you to clean the filter easily. · You can set up eight different stages of lowering distance for the air intake grille according to the set up location if desired. (Maximum: 4m)				
Item	Grille	Installation gauge	Tag	Screw
Quantity	1	1	1	2
Shape	 Vane	 (Used split into four pieces)		 4 × 16
Item	Wireless remote controller for auto elevation panel	Battery	Remote controller holder	
Quantity	1	1	1	
Shape		 Lithium battery CR2025 3V		

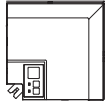
Grille with 3D i-see Sensor

Item	Screw	3D i-see Sensor corner panel
Quantity	1	1
Parts Grille to Screw above and	 4 × 16	

Detailed installation information should be referred to its Installation Manual.

8-7. Wireless signal receiver

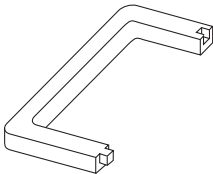
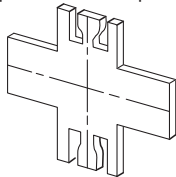
Wireless signal receiver PAR-SE9FA-E is necessary for using wireless remote controller

Item	Wireless signal receiver	
Quantity	1	
Shape		

Detailed installation information should be referred to its Installation Manual.

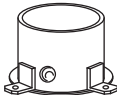
8-8. Space panel

Decorative cover for the installation when the ceiling height is low.

Item	Space panel	Gauge for installation
Quantity	2	1
Shape		(Split this into four pieces) 

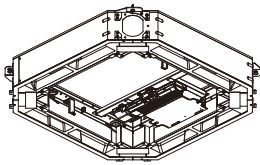
8-9. Duct flange for fresh air intake

Part to attach a duct to take in fresh air from outdoors.

Item	Duct flange	Insulator	Screws (M4 x 10)
Quantity	1	1	3
Shape			

8-10. Plasma Quad Connect

PAC-SK51FT-E connects to CN105 on the indoor unit. When using an additional optional part, connect it to CN105 of PAC-SK51FT-E.

Item	Plasma Quad Connect	Screw with washer (black)	Screw	Grille securing bracket
Quantity	1	4	8	4
Shape		M5 × 0.8 × 25 	M5 × 0.8 × 12 	With insulator 

Detailed installation information should be referred to its Installation Manual.

⚠ Warning

- Do not use refrigerant other than the type indicated in the manuals provided with the unit and on the nameplate.
 - Doing so may cause the unit or pipes to burst, or result in explosion or fire during use, repair, or at the time of disposal of the unit.
 - It may also be in violation of applicable laws.
 - MITSUBISHI ELECTRIC CORPORATION cannot be held responsible for malfunctions or accidents resulting from the use of the wrong type of refrigerant.
- Our air conditioning equipment and heat pumps contain a fluorinated greenhouse gas, R410A.

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