

AIR CONDITIONING SYSTEMS

CITY MULTI



DATA BOOK

MODEL

PLFY-M-VEM-E



PLFY-M-VEM-E

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1. SPECIFICATIONS

Ceiling cassette (4-way flow type)

PLFY-M-VEM-E

Model			PLFY-M20VEM-E		PLFY-M25VEM-E		PLFY-M32VEM-E		PLFY-M40VEM-E		
Power source			1-phase 220-240V 50Hz, 1-phase 220V 60Hz								
Cooling capacity (Nominal)	*1	kW	2.2		2.8		3.6		4.5		
	*1	kcal / h	1,900		2,400		3,100		3,900		
	*1	BTU / h	7,500		9,600		12,300		15,400		
	Power input		kW	0.03		0.03		0.03		0.03	
	Current input		A	0.31		0.31		0.32		0.32	
Heating capacity (Nominal)	*2	kW	2.5		3.2		4.0		5.0		
	*2	kcal / h	2,200		2,800		3,400		4,300		
	*2	BTU / h	8,500		10,900		13,600		17,100		
	Power input		kW	0.03		0.03		0.03		0.03	
	Current input		A	0.24		0.24		0.25		0.25	
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)		19 (42)		
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			Cross 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		12 - 13 - 14 - 15		12 - 13 - 14 - 15		13 - 14 - 15 - 16		13 - 14 - 15 - 17	
		L / s		200 - 217 - 233 - 250		200 - 217 - 233 - 250		217 - 233 - 250 - 267		217 - 233 - 250 - 283	
cfm		424 - 459 - 494 - 530		424 - 459 - 494 - 530		459 - 494 - 530 - 565		459 - 494 - 530 - 600			
Sound pressure level (measured in anechoic room)		dB <A>	(Low-Mid2-Mid1-High) 24 - 26 - 27 - 29		(Low-Mid2-Mid1-High) 24 - 26 - 27 - 29		(Low-Mid2-Mid1-High) 26 - 27 - 29 - 31		(Low-Mid2-Mid1-High) 26 - 27 - 29 - 31		
Insulation material			PS								
Air filter			PP honeycomb								
Protection device			Fuse								
Refrigerant control device			LEV								
Connectable outdoor unit			R32/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	ø6.35 (ø1/4)	Flare	
	Gas (R410A)	mm (in.)	ø12.7 (ø1/2)	Flare	ø12.7 (ø1/2)	Flare	ø12.7 (ø1/2)	Flare	ø12.7 (ø1/2)	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-6EALAE		PLP-6EALAE		PLP-6EALAE		PLP-6EALAE		
	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		
			**1. PLFY-M-VEM-E should be used together with PLP-6EA/EAL/EAE/EALAE/EAJ/EAJE/EALM/EALME.								
	Installation		**2. PAC-SJ41TM-E is necessary to use with filter PAC-SH59KF-E.								
	Note :		*1 Nominal cooling condition		*2 Nominal heating condition						Unit converter
Indoor : 27°CDB/19°CWB (81°FDB/66°FWB)			20°CDB (68°FDB)						kcal/h = kW x 860		
Outdoor : 35°CDB (95°FDB)			7°CDB/6°CWB (45°FDB/43°FWB)						BTU/h = kW x 3,412		
Pipe length : 7.5 m (24-9/16 ft)			7.5 m (24-9/16 ft)						cfm = m ³ /min x 35.31		
Level difference : 0 m (0 ft)			0 m (0 ft)						lbs = kg / 0.4536		
		* 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)

PLFY-M-VE-M-E

Model			PLFY-M50VEM-E		PLFY-M63VEM-E		PLFY-M80VEM-E		PLFY-M100VEM-E		
Power source			1-phase 220-240V 50Hz, 1-phase 220V 60Hz								
Cooling capacity (Nominal)	*1	kW	5.6		7.1		9.0		11.2		
	*1	kcal / h	4,800		6,100		7,700		9,600		
	*1	BTU / h	19,100		24,200		30,700		38,200		
		Power input	kW		0.03		0.03		0.05		
		Current input	A		0.32		0.36		0.50		
Heating capacity (Nominal)	*2	kW	6.3		8.0		10.0		12.5		
	*2	kcal / h	5,400		6,900		8,600		10,800		
	*2	BTU / h	21,500		27,300		34,100		42,700		
		Power input	kW		0.03		0.03		0.05		
		Current input	A		0.25		0.29		0.43		
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)	19 (42)		21 (46)		21 (46)		24 (53)		
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			Cross 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 - 18		14 - 15 - 16 - 18		14 - 17 - 20 - 23		20 - 23 - 26 - 29	
		L / s		217 - 233 - 267 - 300		233 - 250 - 267 - 300		233 - 283 - 333- 383		333 - 383 - 433 - 483	
		cfm		459 - 494 - 565 - 636		494 - 530 - 565 - 636		494 - 600 - 706 - 812		706 - 812 - 918 - 1024	
Sound pressure level (measured in anechoic room)		dB <A>	(Low-Mid2-Mid1-High) 26 - 27 - 29 - 31		(Low-Mid2-Mid1-High) 28 - 29 - 30 - 32		(Low-Mid2-Mid1-High) 28 - 31 - 34 - 37		(Low-Mid2-Mid1-High) 34 - 37 - 39 - 41		
Insulation material			PS								
Air filter			PP honeycomb								
Protection device			Fuse								
Refrigerant control device			LEV								
Connectable outdoor unit			R32/R410A CITY MULTI								
Diameter of refrigerant pipe	Liquid (R410A)	mm (in.)	ø6.35 (ø1/4)	Flare	ø9.52 (ø3/8)	Flare	ø9.52 (ø3/8)	Flare	ø9.52 (ø3/8)	Flare	
	Gas (R410A)	mm (in.)	ø12.7 (ø1/2)	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-6EAL		PLP-6EAL		PLP-6EAL		PLP-6EAL		
	Auto elevation, 3D i-see Sensor and signal receiver panel **1		PLP-6EAL		PLP-6EAL		PLP-6EAL		PLP-6EAL		
	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		
			**1.PLFY-M-VE-M-E should be used together with PLP-6EA/EAL/EAE/EALM/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						Unit converter	
Indoor : 27°CDB/19°CWB (81°FDB/66°FWB)		20°CDB (68°FDB)						kcal/h = kW x 860			
Outdoor : 35°CDB (95°FDB)		7°CDB/6°CWB (45°FDB/43°FWB)						BTU/h = kW x 3,412			
Pipe length : 7.5 m (24-9/16 ft)		7.5 m (24-9/16 ft)						cfm = m ³ /min x 35.31			
Level difference : 0 m (0 ft)		0 m (0 ft)						lbs = kg / 0.4536			
* 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)

PLFY-M-VEM-E

Model				PLFY-M125VEM-E		
Power source				1-phase 220-240V 50Hz, 1-phase 220V 60Hz		
Cooling capacity (Nominal)	*1	kW	14.0			
	*1	kcal / h	12,000			
	*1	BTU / h	47,800			
	Power input		kW	0.11		
	Current input		A	1.06		
Heating capacity (Nominal)	*2	kW	16.0			
	*2	kcal / h	13,800			
	*2	BTU / h	54,600			
	Power input		kW	0.11		
	Current input		A	0.99		
External finish				Galvanized steel sheet		
External dimension H x W x D		mm	298 x 840 x 840			
		in.	11-3/4 x 33-3/32 x 33-3/32			
Net weight		kg (lbs)	24(53)			
Decoration panel	Model		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				Cross fin (Aluminum fin and copper tube)		
FAN	Type x Quantity		Turbo fan x 1			
	External static press.	Pa	0			
		mmH ₂ O	0			
	Motor type		DC motor			
	Motor output		kW	0.120		
	Driving mechanism		Direct-drive			
	Airflow rate		(Low-Mid2-Mid1-High)			
			m ³ / min		22 - 26 - 30 - 35	
			L / s		367 - 433 - 500 - 583	
cfm			777 - 918 - 1060 - 1236			
Sound pressure level (measured in anechoic room)		dB <A>	(Low-Mid2-Mid1-High) 35 - 39 - 42 - 45			
Insulation material				PS		
Air filter				PP honeycomb		
Protection device				Fuse		
Refrigerant control device				LEV		
Connectable outdoor unit				R32/R410A CITY MULTI		
Diameter of refrigerant pipe	Liquid (R410A)	mm (in.)	ø9.52 (ø3/8) Flare			
	Gas (R410A)	mm (in.)	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			
	Signal receiver panel **1		PLP-6EAL			
	3D i-see Sensor panel **1		PLP-6EAE			
	3D i-see Sensor and signal receiver panel **1		PLP-6EALE			
	Auto elevation and signal receiver panel **1		PLP-6EAJ			
	Auto elevation, 3D i-see Sensor and signal receiver panel **1		PLP-6EAJE			
	With wireless remote controller and signal receiver panel **1		PLP-6EALM			
	With wireless remote controller, signal receiver and 3D i-see Sensor panel **1		PLP-6EALME			
	Air outlet shutter plate		PAC-SJ37SP-E			
	High efficiency filter element **2		PAC-SH59KF-E			
	Multi-function casement		PAC-SJ41TM-E			
	3D i-see Sensor corner panel		PAC-SE1ME-E			
	Wireless signal receiver		PAR-SE9FA-E			
	Space panel		PAC-SJ65AS-E			
	Duct flange for fresh air intake		PAC-SH65OF-E			
			**1.PLFY-M-VEM-E should be used together with PLP-6EA/EAL/EAE/EALJ/EAJE/EALM/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				Unit converter
		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.				*Above specification data is subject to rounding variation.		
* Due to continuing improvement, above specification may be subject to change without notice.						

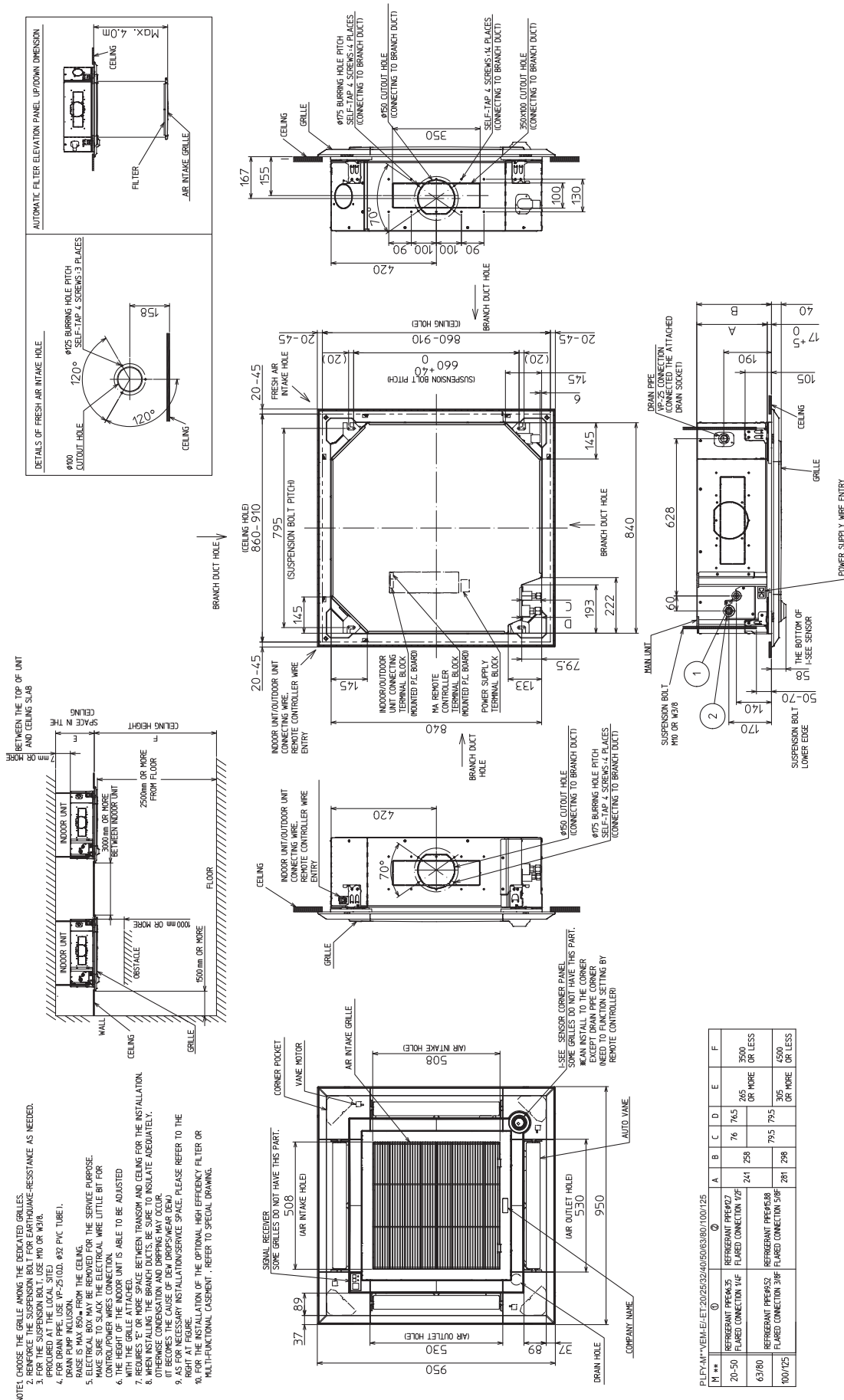
2. EXTERNAL DIMENSIONS

Ceiling cassette (4-way flow type)

Unit: mm

PLFY-M-VEM-B

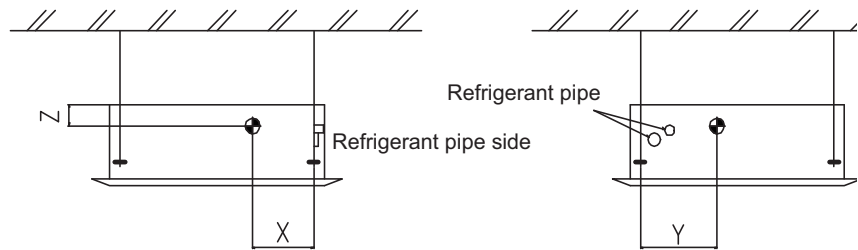
PLFY-M20, 25, 32, 40, 50, 63, 80, 100, 125VEM-E



M	M	①	②	A	B	C	D	E	F
FLM-Y-VEIM-E/ET-20/25/32/40/50/63/80/100/125	M 33	REFRIGERANT PFE-45 FLARED CONNECTION 1/4"	REFRIGERANT PFE-40/2 FLARED CONNECTION 1/2"	241	258	76	76.5	300 OR MORE	3500 OR LESS
	63/80	REFRIGERANT PFE-64/52 FLARED CONNECTION 3/8"	REFRIGERANT PFE-64/58 FLARED CONNECTION 3/8"	281	298	79.5	79.5	305 OR MORE	4500
	100/125								

PLFY-M-VEM-E

PLFY-M20, 25, 32, 40, 50, 63, 80, 100, 125VEM-E



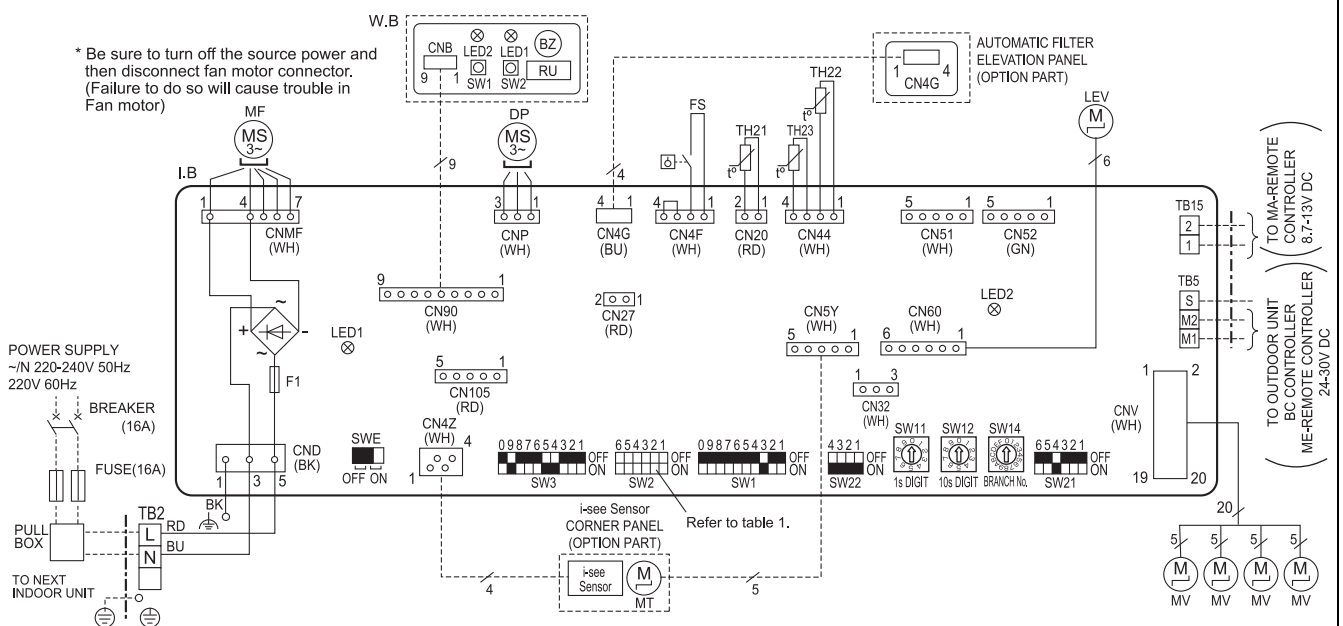
(mm)[in]

Model name	X	Y	Z
PLFY-M20VEM-E	325 [12-13/16]	390 [15-3/8]	115 [4-17/32]
PLFY-M25VEM-E	325 [12-13/16]	390 [15-3/8]	115 [4-17/32]
PLFY-M32VEM-E	325 [12-13/16]	390 [15-3/8]	115 [4-17/32]
PLFY-M40VEM-E	325 [12-13/16]	390 [15-3/8]	115 [4-17/32]
PLFY-M50VEM-E	325 [12-13/16]	390 [15-3/8]	115 [4-17/32]
PLFY-M63VEM-E	325 [12-13/16]	390 [15-3/8]	115 [4-17/32]
PLFY-M80VEM-E	325 [12-13/16]	390 [15-3/8]	115 [4-17/32]
PLFY-M100VEM-E	325 [12-13/16]	380 [14-31/32]	100 [3-15/16]
PLFY-M125VEM-E	325 [12-13/16]	380 [14-31/32]	100 [3-15/16]

PLFY-M20, 25, 32, 40, 50, 63, 80, 100, 125VEM-E

[LEGEND]

SYMBOL	NAME	SYMBOL	NAME
I.B	INDOOR CONTROLLER BOARD	MV	VANE MOTOR
CN27	CONNECTOR DAMPER	TH21	THERMISTOR ROOM TEMP. DETECTION (0°C/15kΩ, 25°C/5.4kΩ)
CN32	REMOTE SWITCH	TH22	PIPE TEMP. DETECTION / LIQUID (0°C/15kΩ, 25°C/5.4kΩ)
CN51	CENTRALLY CONTROL	TH23	PIPE TEMP. DETECTION / GAS (0°C/15kΩ, 25°C/5.4kΩ)
CN52	REMOTE INDICATION		
CN105	IT TERMINAL		
F1	FUSE (T 6.3AL 250V)		
SW1	SWITCH MODE SELECTION	TB2	TERMINAL POWER SUPPLY
SW2	CAPACITY CODE	TB5	BLOCK TRANSMISSION
SW3	MODE SELECTION	TB15	MA-REMOTE CONTROLLER
SW11	ADDRESS SETTING 1s DIGIT		
SW12	ADDRESS SETTING 10s DIGIT		
SW14	BRANCH NO.		
SW21	CEILING HEIGHT DISCHARGE OUTLET NUMBER OPTION SELECTOR		
SW22	PAIR NO. SETTING		
SWE	DRAIN PUMP (TEST MODE)		
DP	DRAIN PUMP		
FS	DRAIN FLOAT SWITCH		
LEV	LINEAR EXPANSION VALVE		
MF	FAN 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.

<Table 1> SW2 (CAPACITY CODE)

MODELS	SW2	MODELS	SW2	MODELS	SW2
20	ON OFF 1 2 3 4 5 6	40	ON OFF 1 2 3 4 5 6	80	ON OFF 1 2 3 4 5 6
25	ON OFF 1 2 3 4 5 6	50	ON OFF 1 2 3 4 5 6	100	ON OFF 1 2 3 4 5 6
32	ON OFF 1 2 3 4 5 6	63	ON OFF 1 2 3 4 5 6	125	ON OFF 1 2 3 4 5 6

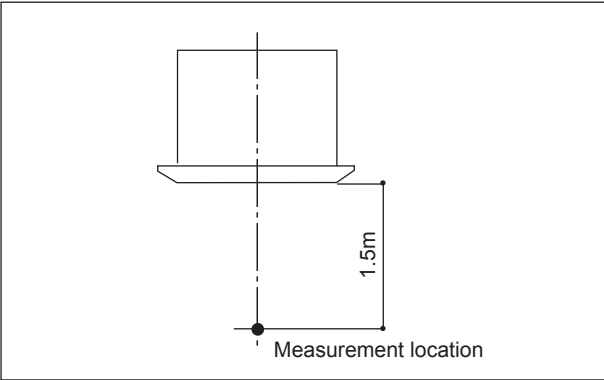
LED on indoor board for service

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

PLFY-M-VEM-E

5-1. Sound levels

PLFY-M-VEM-E

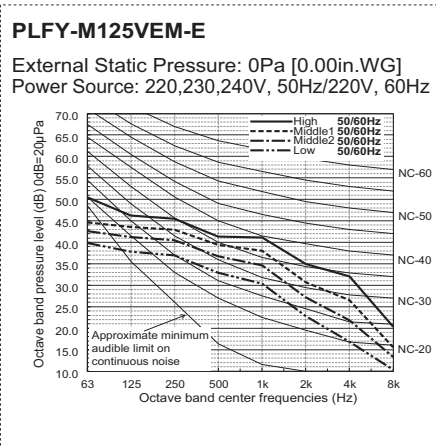
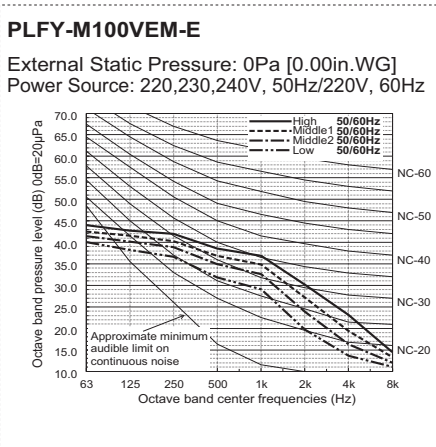
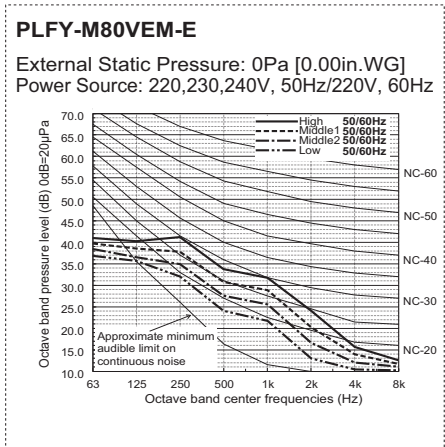
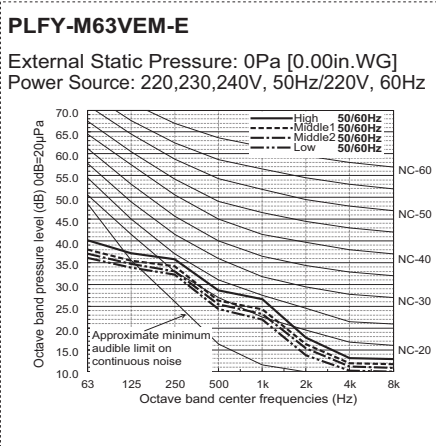
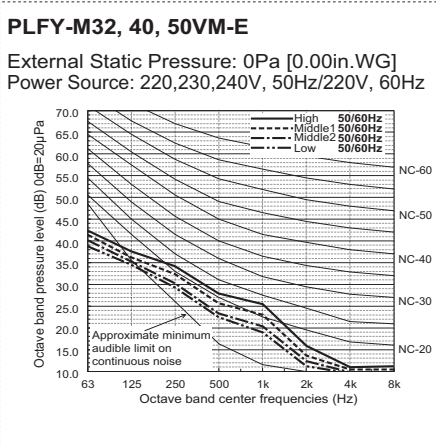
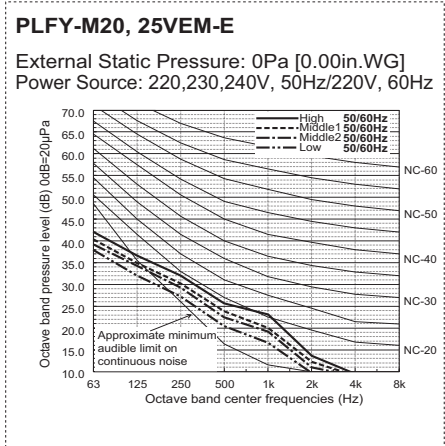


* Measured in anechoic room.

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

	Sound level dB (A)
PLFY-M20VEM-E PLFY-M25VEM-E	24-26-27-29
PLFY-M32VEM-E PLFY-M40VEM-E PLFY-M50VEM-E	26-27-29-31
PLFY-M63VEM-E	28-29-30-32
PLFY-M80VEM-E	28-31-34-37
PLFY-M100VEM-E	34-37-39-41
PLFY-M125VEM-E	35-39-42-45

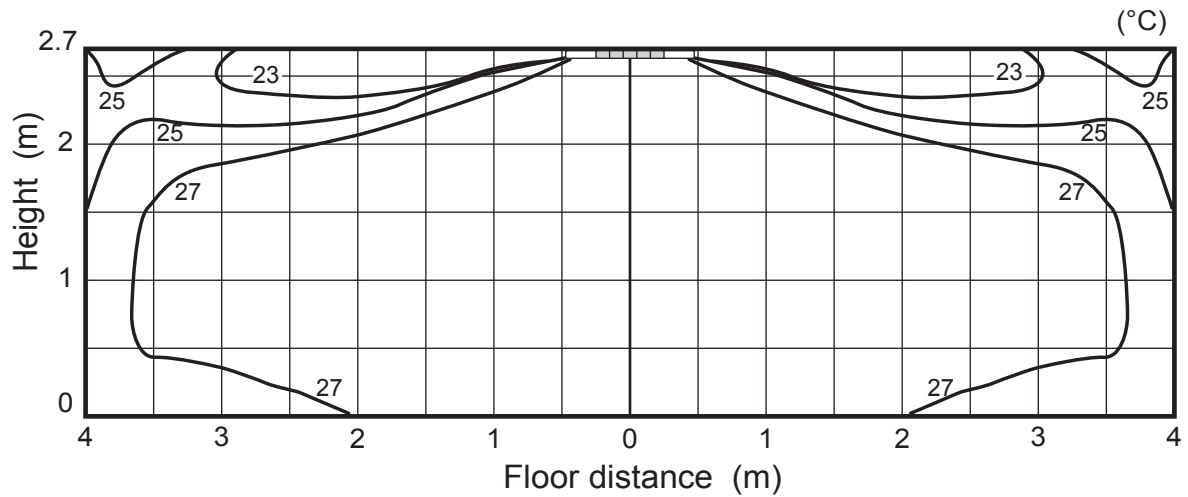
5-2. NC curves



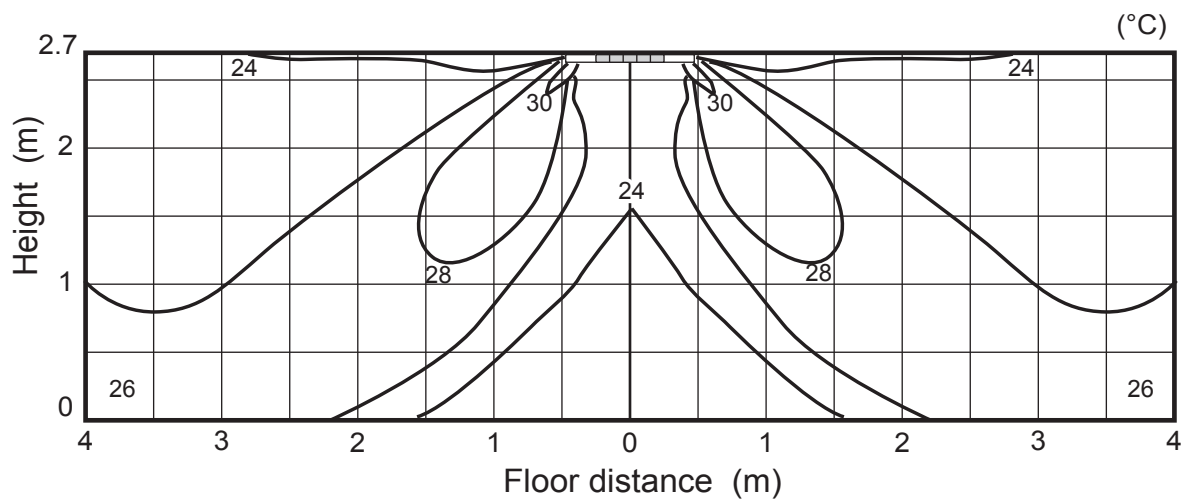
6-1. Temperature distributions

PLFY-M80VEM-E

<Cooling mode> Standard
 Flow angle : 10° 4-way flow
 Ceiling height : 2.7m



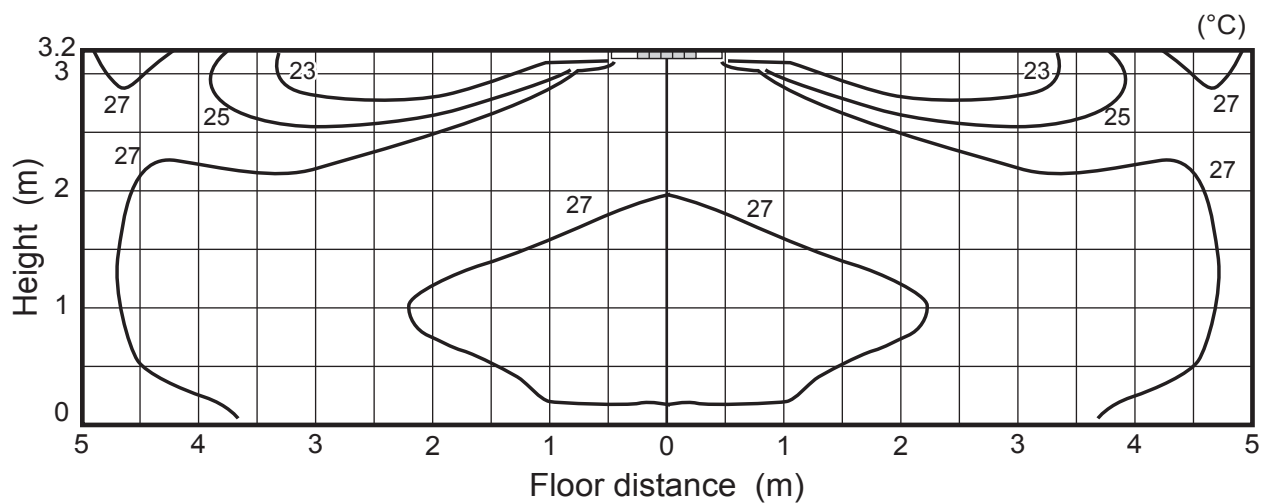
<Heating mode> Standard
 Flow angle : 60° 4-way flow
 Ceiling height : 2.7m



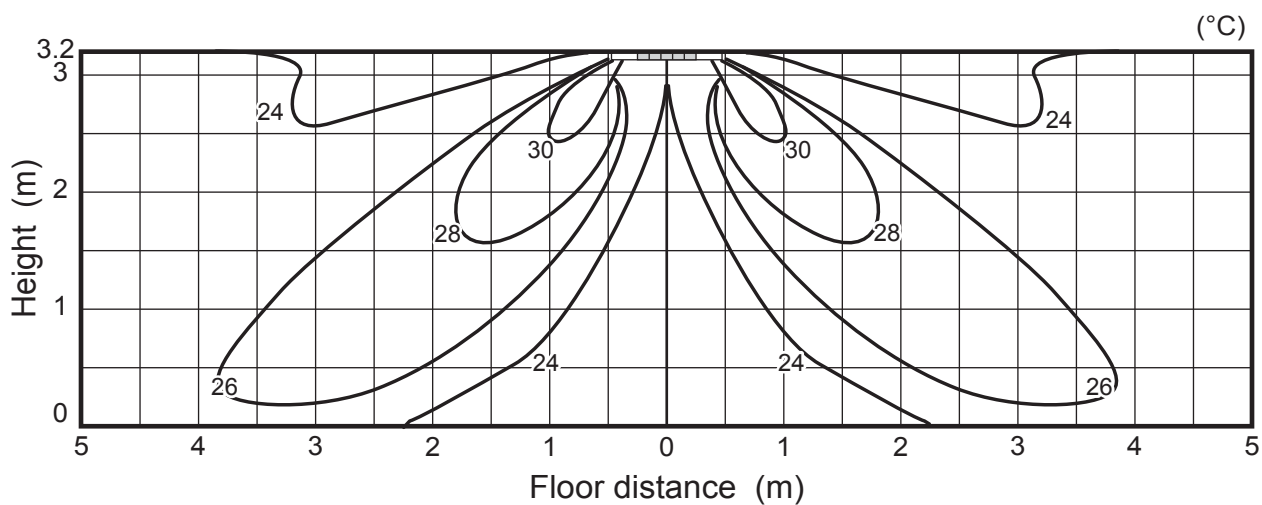
Note : These figures show typical temperature distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load, obstacles, etc.

PLFY-M100VEM-E

<Cooling mode> Standard
 Flow angle : 10° 4-way flow
 Ceiling height : 3.2m



<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.

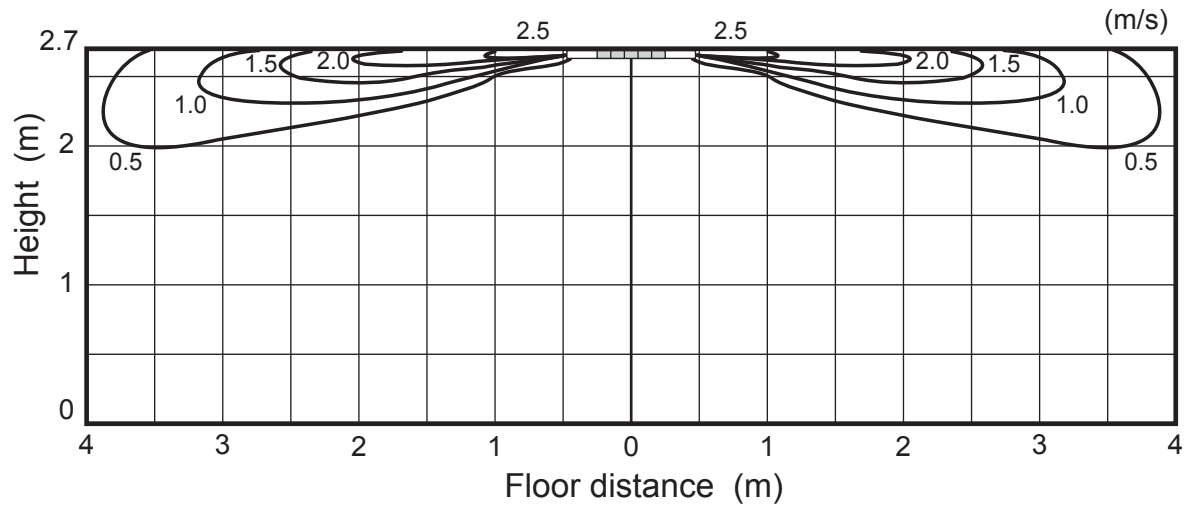
6-2. Airflow distributions

PLFY-M80VEM-E

<Cooling mode> Standard

Flow angle : 10° 4-way flow

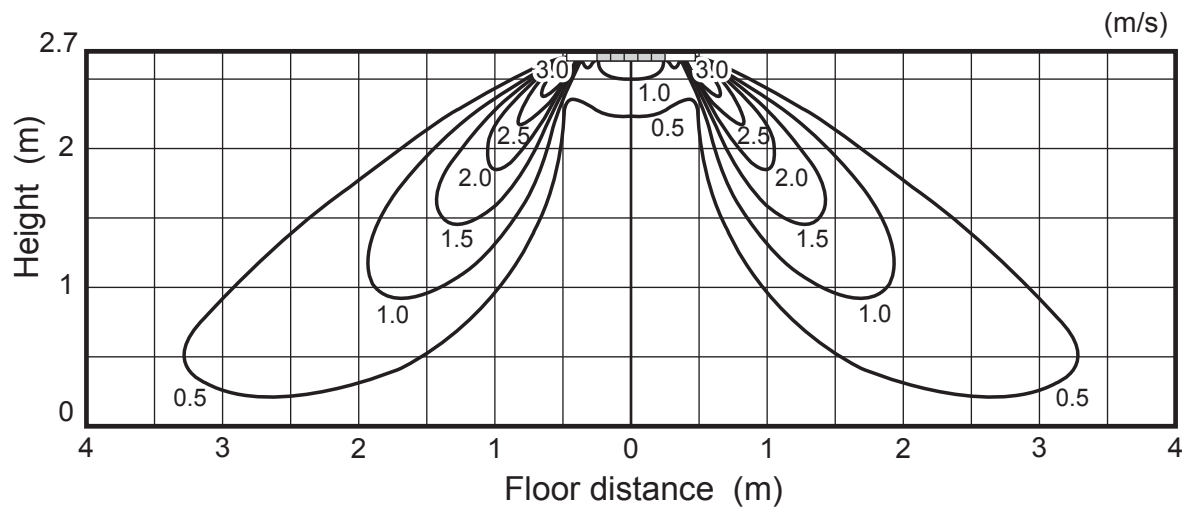
Ceiling height : 2.7m



<Heating mode> Standard

Flow angle : 60° 4-way flow

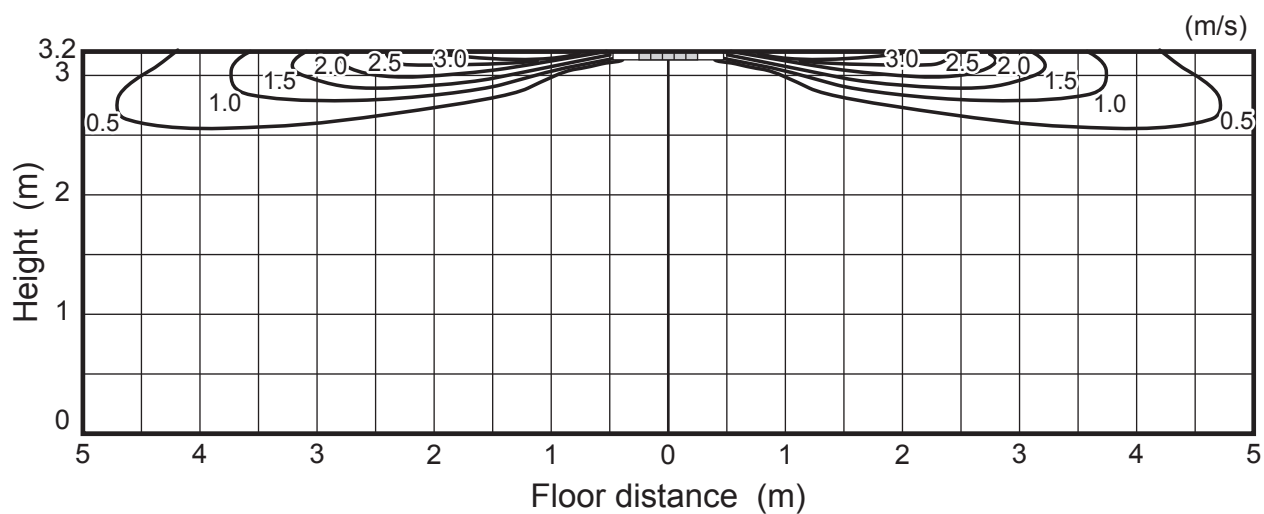
Ceiling height : 2.7m



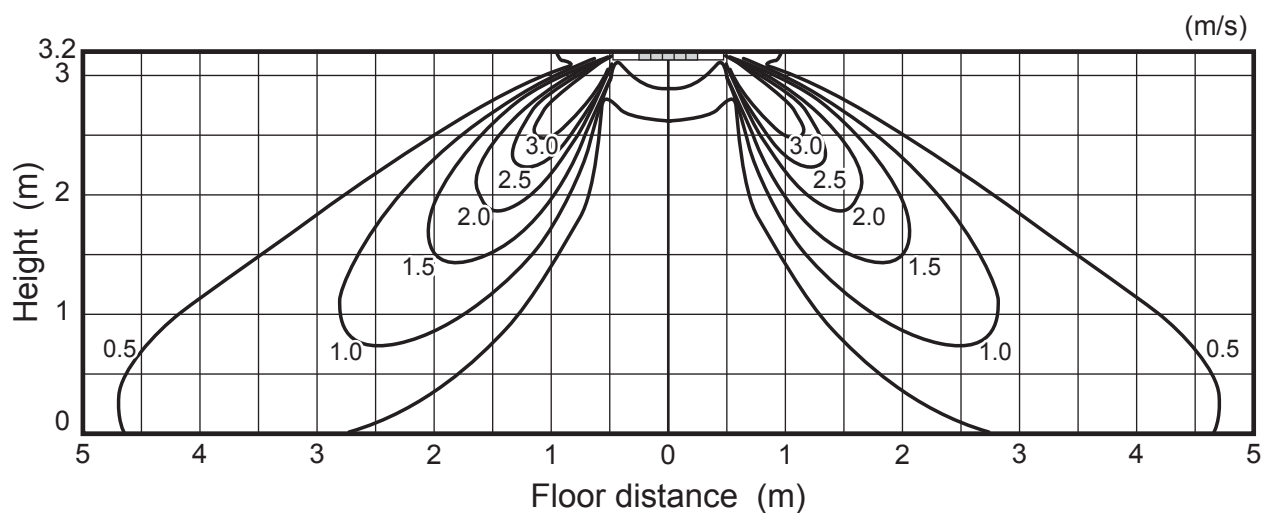
Note : These figures show typical temperature distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load, obstacles, etc.

PLFY-M100VEM-E

<Cooling mode> Standard
 Flow angle : 10° 4-way flow
 Ceiling height : 3.2m



<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)

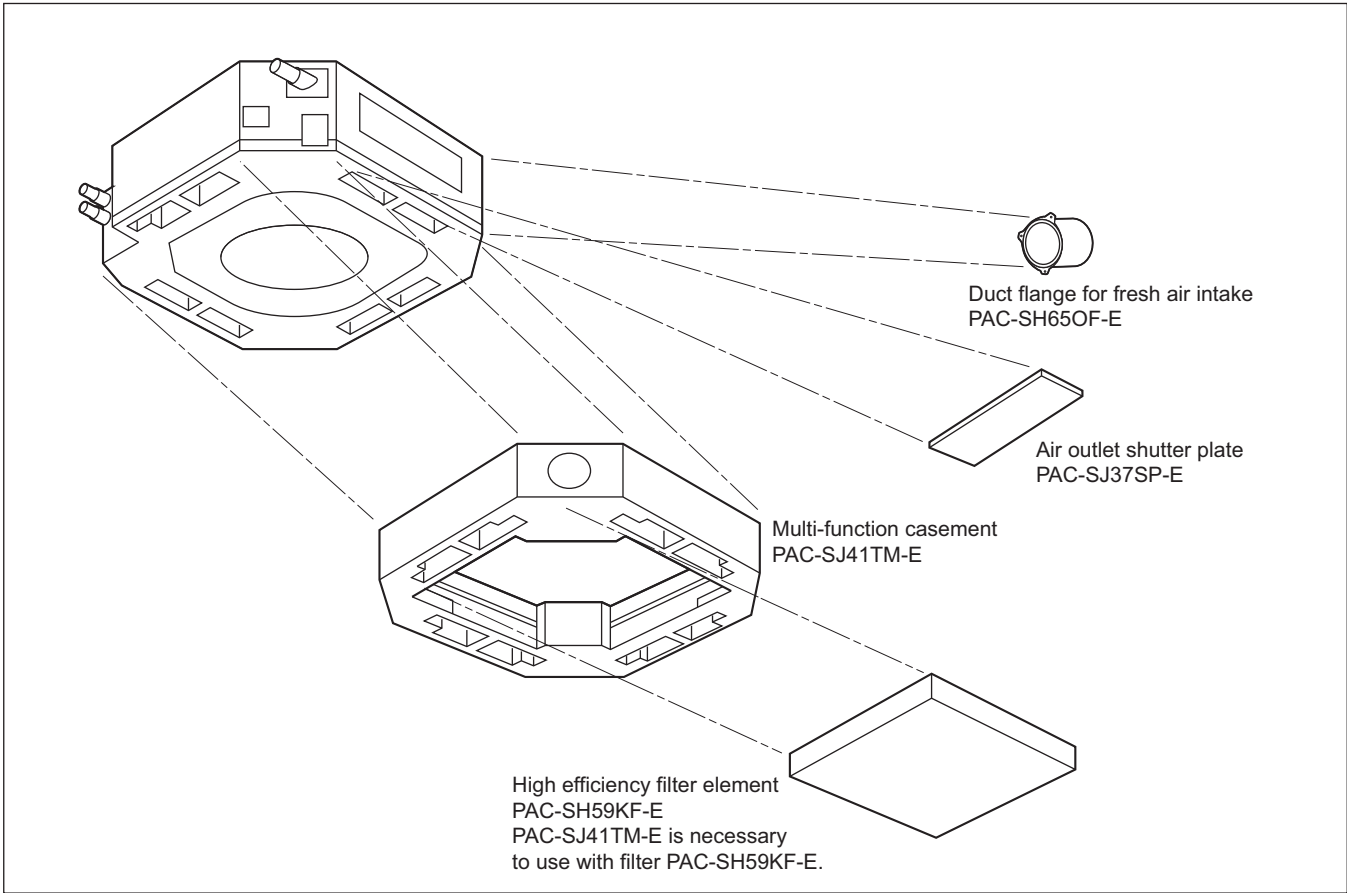
PLFY-M-VEM-E	Power supply			IFM	
	Volts/Hz	Range +-10%	MCA(A)	Output (kW)	FLA(A)
PLFY-M20VEM-E	220-240V/50Hz 220V/60Hz	Max.: 264V Min.: 198V	0.39	0.05	0.31
PLFY-M25VEM-E			0.39	0.05	0.31
PLFY-M32VEM-E			0.40	0.05	0.32
PLFY-M40VEM-E			0.40	0.05	0.32
PLFY-M50VEM-E			0.40	0.05	0.32
PLFY-M63VEM-E			0.45	0.05	0.36
PLFY-M80VEM-E			0.63	0.05	0.50
PLFY-M100VEM-E			0.84	0.12	0.67
PLFY-M125VEM-E			1.33	0.12	1.06

PLFY-M-VEM-E

PLFY-M-VEM-E

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

	Description	Model
PLFY-M-VEM-E	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
	Auto elevation, 3D i-see Sensor and signal receiver panel	PLP-6EAJE
	Wireless signal receiver	PAR-SE9FA-E
	Space panel	PAC-SJ65AS-E
	Duct flange for fresh air intake	PAC-SH65OF-E

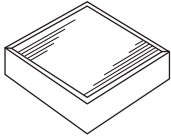


8-2. Air outlet shutter plate

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			

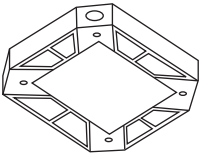
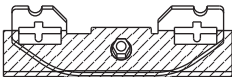
Detailed installation information should be referred to its Installation Manual.

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		

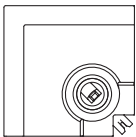
Detailed installation information is referred in its Installation Manual.

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.

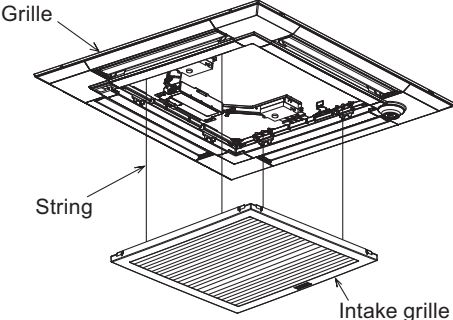
8-5. i-see Sensor corner panel

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	i-see Sensor corner panel	
Quantity	1	
Shape		

Detailed installation information should be referred to its Installation Manual.

PLFY-M-VEM-E

8-6. Auto elevation panel

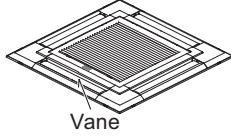
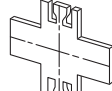
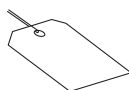
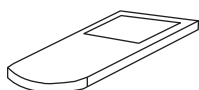
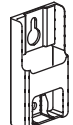


Grille

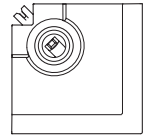
String

Intake grille

- 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)

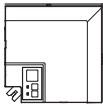
Item	Grille	Installation gauge	Tag	Screw
Quantity	1	1	1	2
Shape	 Vane	 (Used split into four pieces)		 4 × 16
Item	Wireless remote controller for auto elevation panel	Battery	Remote controller holder	
Quantity	1	1	1	
Shape		 Lithium battery CR2025 3V		

Grille with i-see Sensor

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

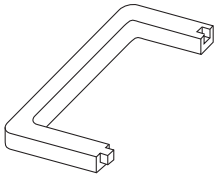
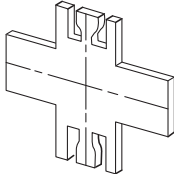
Detailed installation information should be referred to its Installation Manual.

8-7. Wireless signal receiver

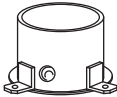
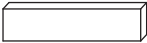
Wireless signal receiver PAR-SE9FA-E is necessary for using wireless remote controller		
Item	Wireless signal receiver	
Quantity	1	
Shape		

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			



for a greener tomorrow

Eco Changes is the Mitsubishi Electric Group's environmental statement, and expresses the Group's stance on environmental management. Through a wide range of businesses, we are helping contribute to the realization of a sustainable society.

⚠ 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, R32 or R410A.

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