

AIR CONDITIONING SYSTEMS

CITY MULTI



DATA BOOK

MODEL

PLFY-P-NFMU-E

PLFY-EP-NEMU-E(1)



PLFY-P-NFMU-E, PLFY-EP-NEMU-E(1)

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1. SPECIFICATIONS

Ceiling cassette (4-way flow type)

PLFY-P-NFMU-E, EP-NEMU-E(1)

Model		PLFY-P05NFMU-E	PLFY-P08NFMU-E	PLFY-P12NFMU-E	
Power source		1-phase 208-230 V 60Hz			
Cooling capacity (Nominal)	*1 BTU / h	5,000	8,000	12,000	
	*1 kW	1.4	2.3	3.5	
	Power input kW	0.02	0.02	0.02	
	Current input A	0.19	0.22	0.23	
Heating capacity (Nominal)	*2 BTU / h	5,600	9,000	13,500	
	*2 kW	1.6	2.6	3.9	
	Power input kW	0.02	0.02	0.02	
	Current input A	0.14	0.17	0.18	
External finish		Galvanized steel sheet			
External dimension H × W × D		8-3/16 × 22-7/16 × 22-7/16			
		208 × 570 × 570			
Net weight		28.9 (13.1)		31.3 (14.2)	
Decoration panel	Model		SLP-18FAU		
	External finish		MUNSELL (1.0Y 9.2/0.2)		
	Dimension		13/32 × 24-19/32 × 24-19/32		
	H × W × D		10 × 625 × 625		
	Net Weight		5.3 (2.4)		
Heat exchanger		Cross fin (Aluminum fin and copper tube)			
FAN	Type × Quantity		Turbo fan × 1		
	External static press	in.WG	0		
		Pa	0		
	Motor type		DC motor		
	Motor output		0.05 kW		
	Driving mechanism		Direct-driven		
	Air flow rate (Low-Mid-High)	cfm	230-265-280	230-280-315	245-280-335
		m ³ / min	6.5-7.5-8.0	6.5-8.0-9.0	7.0-8.0-9.5
L / s		108-125-133	108-133-150	117-133-158	
Sound pressure level (Low-Mid-High) (measured in anechoic room)		26-28-30 dB <A>	26-30-33	26-30-34	
Insulation material		PS			
Air filter		PP honeycomb fabric (long life type)			
Protection device		Fuse			
Refrigerant control device		LEV			
Connectable outdoor unit		R410A CITY MULTI			
Refrigerant piping diameter	Liquid (R410A) in. (mm)	1/4 (6.35) Flare			
	Gas (R410A) in. (mm)	1/2 (12.7) Flare			
Field drain pipe size		O.D.1-1/4 (32) (PVC pipe VP-25 connectable)			
Drawing	External		RK01B327		
	Wiring		BH79N033H01		
	Refrigerant cycle		-		
Standard attachment	Document		Installation Manual, Installation Book		
	Accessory		-		
Optional parts	Decoration panel		SLP-18FAU		
	3D i-see Sensor panel		SLP-18FAEU	SLP-18FAEU	SLP-18FAEU
	3D i-see Sensor corner panel		PAC-SF1ME-E	PAC-SF1ME-E	PAC-SF1ME-E
	Wireless signal receiver		PAR-SF9FA-E	PAR-SF9FA-E	PAR-SF9FA-E
Remarks		*PLFY-P-NFMU-E should be used with SLP-18FAU/SLP-18FAEU. * Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual. * Due to continuing improvement, above specifications may be subject to change without notice.			

Notes:	Unit convertor
1.Nominal cooling conditions' Indoor:80°FDB/67°F WB(26.7°CDB/19.4°CWB), Outdoor:95°FDB(35°CDB) Pipe length:25ft.(7.6m), Level difference:0ft.(0m)	kcal/h = kW × 860 BTU/h = kW × 3,412 cfm = m ³ /min × 35.31 lbs = kg / 0.4536
2.Nominal heating conditions Indoor:70°FDB(21.1°CDB), Outdoor:47°FDB/43°F WB(8.3°CDB/6.1°CWB) Pipe length:25ft.(7.6m), Level difference:0ft.(0m)	
	*Above specification data is subject to rounding variation.

1. SPECIFICATIONS

Ceiling cassette (4-way flow type)

Model		PLFY-P15NFMU-E		PLFY-P18NFMU-E		
Power source		1-phase 208-230 V 60Hz				
Cooling capacity (Nominal)	*1	BTU / h	15,000	18,000		
	*1	kW	4.3	5.2		
		Power input	kW	0.03	0.04	
		Current input	A	0.28	0.40	
Heating capacity (Nominal)	*2	BTU / h	17,000	20,000		
	*2	kW	4.9	5.8		
		Power input	kW	0.03	0.04	
		Current input	A	0.23	0.35	
External finish		Galvanized steel sheet				
External dimension H × W × D		in.	8-3/16 × 22-7/16 × 22-7/16			
		mm	208 × 570 × 570			
Net weight		lbs (kg)	31.3 (14.2)			
Decoration panel	Model		SLP-18FAU			
	External finish		MUNSELL (1.0Y 9.2/0.2)			
	Dimension	in.	13/32 × 24-19/32 × 24-19/32			
	H × W × D	mm	10 × 625 × 625			
	Net Weight	lbs (kg)	5.3 (2.4)			
Heat exchanger		Cross fin (Aluminum fin and copper tube)				
FAN	Type × Quantity		Turbo fan × 1			
	External static press	in.WG	0			
		Pa	0			
	Motor type		DC motor			
	Motor output	kW	0.05			
	Driving mechanism		Direct-driven			
	Airflow rate (Low-Mid-High)	cfm	265-315-390	315-390-460		
		m ³ / min	7.5-9.0-11.0	9.0-11.0-13.0		
L / s		125-150-183	150-183-217			
Sound pressure level (Low-Mid-High) (measured in anechoic room)		dB <A>	28-33-39	33-39-43		
Insulation material		PS				
Air filter		PP honeycomb fabric (long life type)				
Protection device		Fuse				
Refrigerant control device		LEV				
Connectable outdoor unit		R410A CITY MULTI				
Refrigerant piping diameter	Liquid (R410A)	in. (mm)	1/4 (6.35) Flare			
	Gas (R410A)	in. (mm)	1/2 (12.7) Flare			
Field drain pipe size		in. (mm)	O.D.1-1/4 (32) (PVC pipe VP-25 connectable)			
Drawing	External		RK01B327			
	Wiring		BH79N033H01			
	Refrigerant cycle		-			
Standard attachment	Document		Installation Manual, Installation Book			
	Accessory		-			
Optional parts	Decoration panel		SLP-18FAU			
	3D i-see Sensor panel		SLP-18FAEU	SLP-18FAEU		
	3D i-see Sensor corner panel		PAC-SF1ME-E	PAC-SF1ME-E		
	Wireless signal receiver		PAR-SF9FA-E	PAR-SF9FA-E		
Remarks		*PLFY-P-NFMU-E should be used with SLP-18FAU/SLP-18FAEU. * Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual. * Due to continuing improvement, above specifications may be subject to change without notice.				

Notes:	Unit convertor
1.Nominal cooling conditions ¹ Indoor:80°FDB/67°F WB(26.7°CDB/19.4°CWB), Outdoor:95°FDB(35°CDB) Pipe length:25ft.(7.6m), Level difference:0ft.(0m)	kcal/h = kW × 860 BTU/h = kW × 3,412 cfm = m ³ /min × 35.31 lbs = kg / 0.4536
2.Nominal heating conditions Indoor:70°FDB(21.1°CDB), Outdoor:47°FDB/43°F WB(8.3°CDB/6.1°CWB) Pipe length:25ft.(7.6m), Level difference:0ft.(0m)	
	*Above specification data is subject to rounding variation.

1. SPECIFICATIONS

Ceiling cassette (4-way flow type)

PLFY-P-NFMU-E, EP-NEMU-E(1)

Model		PLFY-EP06NEMU-E	PLFY-EP08NEMU-E	PLFY-EP12NEMU-E	
Power source		1-phase 208-230 V 60Hz			
Cooling capacity	*1 BTU/h	6,000	8,000	12,000	
	*1 kW	1.8	2.4	3.5	
	Power input kW	0.02	0.03	0.03	
	Current input A	0.19	0.31	0.31	
Heating capacity	*2 BTU/h	6,700	9,000	13,500	
	*2 kW	2.0	2.7	4.0	
	Power input kW	0.02	0.02	0.02	
	Current input A	0.14	0.26	0.26	
External finish		Galvanized steel sheet			
External dimension H × W × D		inch	10-3/16 × 33-3/32 × 33-3/32	10-3/16 × 33-3/32 × 33-3/32	
		mm	258 × 840 × 840	258 × 840 × 840	
Net weight		lbs (kg)	46 (21)	46 (21)	
Decoration panel	Model	PLP-41EAEU	PLP-41EAEU	PLP-41EAEU	
	External finish	MUNSELL (1.0Y 9.2/0.2)			
	Dimension	in.	1-9/16 × 37-13/32 × 37-13/32	1-9/16 × 37-13/32 × 37-13/32	
	H × W × D	mm	40 × 950 × 950	40 × 950 × 950	
	Net weight	lbs (kg)	11 (5)	11 (5)	
Heat exchanger		Cross fin			
FAN	Type × Quantity	Turbo fan × 1			
	External static press.	in.WG	0.000 (208V)	0.000 (208V)	0.000 (208V)
		Pa	0	0	0
		in.WG	0.000 (230V)	0.000 (230V)	0.000 (230V)
		Pa	0	0	0
	Motor Type	DC motor			
	Motor output	kW	0.05	0.05	0.05
	Driving mechanism	Direct-driven			
	Air flow rate		(Low-Mid2-Mid1-High)	(Low-Mid2-Mid1-High)	(Low-Mid2-Mid1-High)
		cfm	300 - 424 - 459 - 494	494 - 530 - 565 - 600	494 - 530 - 565 - 600
m ³ /min		8.5 - 12 - 13 - 14	14 - 15 - 16 - 17	14 - 15 - 16 - 17	
L/s		142 - 200 - 217 - 233	233 - 250 - 267 - 283	233 - 250 - 267 - 283	
Sound pressure level (measured in anechoic room)		(Low-Mid2-Mid1-High)	(Low-Mid2-Mid1-High)	(Low-Mid2-Mid1-High)	
	dB <A>	19 - 23 - 25 - 27	27 - 29 - 30 - 31	27 - 29 - 30 - 31	
Insulation material		PS			
Air filter		PP honeycomb (long life filter, anti-bacterial type)			
Protection device		Fuse			
Refrigerant control device		LEV			
Connectable outdoor unit		R410A CITY MULTI			
Refrigerant piping diameter	Liquid (R410A)	inch (mm)	1/4 (6.35) Flare	1/4 (6.35) Flare	
	Gas (R410A)	inch (mm)	1/2 (12.7) Flare	1/2 (12.7) Flare	
Field drain pipe size		inch (mm)	O.D. 1-1/4(32)	O.D. 1-1/4(32)	
Drawing	External	RK01N782			
	Wiring	BH79A609			
	Refrigerant cycle	-			
Standard attachment		Document Accessory Installation Manual, Instruction Book			
Optional parts	Air outlet shutter plate	PAC-SJ37SP-E	PAC-SJ37SP-E	PAC-SJ37SP-E	
	High efficiency filter element	PAC-SH59KF-E	PAC-SH59KF-E	PAC-SH59KF-E	
	Multi-function casement	PAC-SJ41TM-E	PAC-SJ41TM-E	PAC-SJ41TM-E	
	Wireless signal receiver	PAR-SR4LU-E	PAR-SR4LU-E	PAR-SR4LU-E	
	External heater adapter	PAC-YU25HT	PAC-YU25HT	PAC-YU25HT	
	Duct flange for fresh air intake	PAC-SH65OF-E	PAC-SH65OF-E	PAC-SH65OF-E	
Remarks		* PLP-41EAEU is equipped with 3D i-see Sensor as standard function. * Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual. * Due to continuing improvement, above specification may be subject to change without notice.			

Notes:	*1 Nominal cooling conditions	*2 Nominal heating conditions	Unit converter
Indoor:	80degF D.B. / 67degF W.B. (26.7degC D.B. / 19.4degC W.B.)	70degF D.B. (21.1degC D.B.)	kcal/h = kW x 860
Outdoor:	95degF D.B. (35degC D.B.)	47degF D.B. / 43degF W.B. (8.3degC D.B. / 6.1degC W.B.)	BTU/h = kW x 3,412
Pipe length:	25 ft. (7.6 m)	25 ft. (7.6 m)	cfm = m ³ /min x 35.31
Level difference:	0 ft. (0 m)	0 ft. (0 m)	lbs = kg / 0.4536
			*Above specification data is subject to rounding variation.

1. SPECIFICATIONS

Ceiling cassette (4-way flow type)

Model				PLFY-EP15NEMU-E	PLFY-EP18NEMU-E1	PLFY-EP24NEMU-E
Power source				1-phase 208-230 V 60Hz		
Cooling capacity	*1	BTU/h	15,000	18,000	24,000	
		kW	4.4	5.3	7.0	
	Power input	kW	0.03	0.04	0.04	
		Current input	A	0.31	0.43	0.43
Heating capacity	*2	BTU/h	17,000	20,000	27,000	
		kW	5.0	5.9	7.9	
	Power input	kW	0.02	0.04	0.04	
		Current input	A	0.26	0.38	0.38
External finish				Galvanized steel sheet		
External dimension H × W × D		inch	10-3/16 × 33-3/32 × 33-3/32	11-3/4 × 33-3/32 × 33-3/32	11-3/4 × 33-3/32 × 33-3/32	
		mm	258 × 840 × 840	298 × 840 × 840	298 × 840 × 840	
Net weight		lbs (kg)	46 (21)	55 (25)	55 (25)	
Decoration panel	Model		PLP-41EAEU	PLP-41EAEU	PLP-41EAEU	
	External finish		MUNSELL (1.0Y 9.2/0.2)			
	Dimension	in.	1-9/16 × 37-13/32 × 37-13/32	1-9/16 × 37-13/32 × 37-13/32	1-9/16 × 37-13/32 × 37-13/32	
	H × W × D	mm	40 × 950 × 950	40 × 950 × 950	40 × 950 × 950	
	Net weight	lbs (kg)	11 (5)	11 (5)	11 (5)	
Heat exchanger				Cross fin		
FAN	Type × Quantity		Turbo fan × 1	Turbo fan × 1	Turbo fan × 1	
	External static press.	in.WG	0.000 (208V)	0.000 (208V)	0.000 (208V)	
			Pa	0	0	0
		in.WG	0.000 (230V)	0.000 (230V)	0.000 (230V)	
			Pa	0	0	0
	Motor Type		DC motor			
	Motor output	kW	0.05	0.12	0.12	
	Driving mechanism		Direct-driven			
	Air flow rate			(Low-Mid2-Mid1-High)	(Low-Mid2-Mid1-High)	(Low-Mid2-Mid1-High)
		cfm	530 - 547 - 565 - 600	636 - 671 - 742 - 812	636 - 671 - 742 - 812	
m ³ /min			15 - 15.5 - 16 - 17	18 - 19 - 21 - 23	18 - 19 - 21 - 23	
L/s			250 - 258 - 267 - 283	300 - 317 - 350 - 383	300 - 317 - 350 - 383	
Sound pressure level (measured in anechoic room)		(Low-Mid2-Mid1-High)		(Low-Mid2-Mid1-High)	(Low-Mid2-Mid1-High)	
		28 - 29 - 30 - 31		28 - 30 - 32 - 34	28 - 30 - 32 - 34	
Insulation material				PS		
Air filter				PP honeycomb (long life filter, anti-bacterial type)		
Protection device				Fuse		
Refrigerant control device				LEV		
Connectable outdoor unit				R410A CITY MULTI		
Refrigerant piping diameter	Liquid (R410A)	inch (mm)	1/4 (6.35) Flare	1/4 (6.35) Flare	3/8 (9.52) Flare	
	Gas (R410A)	inch (mm)	1/2 (12.7) Flare	1/2 (12.7) Flare	5/8 (15.88) Flare	
Field drain pipe size		inch (mm)	O.D. 1-1/4(32)	O.D. 1-1/4(32)	O.D. 1-1/4(32)	
Drawing	External		RK01N782	RK01N782	RK01N782	
	Wiring		BH79A609	BH79A609	BH79A609	
	Refrigerant cycle		-	-	-	
Standard attachment	Document		Installation Manual, Instruction Book			
	Accessory					
Optional parts	Air outlet shutter plate		PAC-SJ37SP-E	PAC-SJ37SP-E	PAC-SJ37SP-E	
	High efficiency filter element		PAC-SH59KF-E	PAC-SH59KF-E	PAC-SH59KF-E	
	Multi-function casement		PAC-SJ41TM-E	PAC-SJ41TM-E	PAC-SJ41TM-E	
	Wireless signal receiver		PAR-SR4LU-E	PAR-SR4LU-E	PAR-SR4LU-E	
	External heater adapter		PAC-YU25HT	PAC-YU25HT	PAC-YU25HT	
	Duct flange for fresh air intake		PAC-SH65OF-E	PAC-SH65OF-E	PAC-SH65OF-E	
Remarks			* PLP-41EAEU is equipped with 3D i-see Sensor as standard function. * Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual. * Due to continuing improvement, above specification may be subject to change without notice.			

Notes:	*1 Nominal cooling conditions	*2 Nominal heating conditions	Unit converter
	Indoor: 80degF D.B. / 67degF W.B. (26.7degC D.B. / 19.4degC W.B.)	70degF D.B. (21.1degC D.B.)	kcal/h = kW x 860
	Outdoor: 95degF D.B. (35degC D.B.)	47degF D.B. / 43degF W.B. (8.3degC D.B. / 6.1degC W.B.)	BTU/h = kW x 3,412
	Pipe length: 25 ft. (7.6 m)	25 ft. (7.6 m)	cfm = m ³ /min x 35.31
	Level difference: 0 ft. (0 m)	0 ft. (0 m)	lbs = kg / 0.4536
			*Above specification data is subject to rounding variation.

1. SPECIFICATIONS

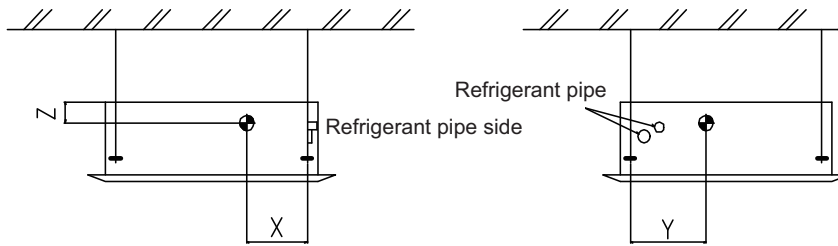
Ceiling cassette (4-way flow type)

PLFY-P-NFMU-E, EP-NEMU-E(1)

Model		PLFY-EP30NEMU-E	PLFY-EP36NEMU-E	PLFY-EP48NEMU-E	
Power source		1-phase 208-230 V 60Hz			
Cooling capacity	*1 BTU/h	30,000	36,000	48,000	
	*1 kW	8.8	10.6	14.1	
	Power input kW	0.04	0.07	0.11	
	Current input A	0.45	0.73	1.01	
Heating capacity	*2 BTU/h	34,000	40,000	54,000	
	*2 kW	10.0	11.7	15.8	
	Power input kW	0.04	0.07	0.11	
	Current input A	0.40	0.68	0.96	
External finish		Galvanized steel sheet			
External dimension H × W × D		inch	11-3/4 × 33-3/32 × 33-3/32	11-3/4 × 33-3/32 × 33-3/32	
		mm	298 × 840 × 840	298 × 840 × 840	
Net weight		lbs (kg)	55 (25)	55 (25)	
Decoration panel	Model		PLP-41EAEU	PLP-41EAEU	
	External finish		MUNSELL (1.0Y 9.2/0.2)		
	Dimension	in.	1-9/16 × 37-13/32 × 37-13/32	1-9/16 × 37-13/32 × 37-13/32	
	H × W × D	mm	40 × 950 × 950	40 × 950 × 950	
	Net weight	lbs (kg)	11 (5)	11 (5)	
Heat exchanger		Cross fin			
FAN	Type × Quantity		Turbo fan × 1	Turbo fan × 1	
	External static press.	in.WG	0.000 (208V)	0.000 (208V)	
		Pa	0	0	
		in.WG	0.000 (230V)	0.000 (230V)	
		Pa	0	0	
	Motor Type		DC motor		
	Motor output	kW	0.12	0.12	
	Driving mechanism		Direct-driven		
	Air flow rate	(Low-Mid2-Mid1-High)		(Low-Mid2-Mid1-High)	(Low-Mid2-Mid1-High)
		cfm	636 - 706 - 777 - 812	777 - 883 - 989 - 1,095	777 - 953 - 1,095 - 1,236
m ³ /min		18 - 20 - 22 - 23	22 - 25 - 28 - 31	22 - 27 - 31 - 35	
L/s		300 - 333 - 367 - 383	367 - 417 - 467 - 517	367 - 450 - 517 - 583	
Sound pressure level (measured in anechoic room)		(Low-Mid2-Mid1-High)	(Low-Mid2-Mid1-High)	(Low-Mid2-Mid1-High)	
		dB <A>	28 - 31 - 33 - 35	35 - 37 - 39 - 41	
Insulation material		PS			
Air filter		PP honeycomb (long life filter, anti-bacterial type)			
Protection device		Fuse			
Refrigerant control device		LEV			
Connectable outdoor unit		R410A CITY MULTI			
Refrigerant piping diameter	Liquid (R410A)	inch (mm)	3/8 (9.52) Flare	3/8 (9.52) Flare	
	Gas (R410A)	inch (mm)	5/8 (15.88) Flare	5/8 (15.88) Flare	
Field drain pipe size		inch (mm)	O.D. 1-1/4(32)	O.D. 1-1/4(32)	
Drawing	External		RK01N782	RK01N782	
	Wiring		BH79A609	BH79A609	
	Refrigerant cycle		-	-	
Standard attachment	Document		Installation Manual, Instruction Book		
	Accessory				
Optional parts	Air outlet shutter plate		PAC-SJ37SP-E	PAC-SJ37SP-E	
	High efficiency filter element		PAC-SH59KF-E	PAC-SH59KF-E	
	Multi-function casement		PAC-SJ41TM-E	PAC-SJ41TM-E	
	Wireless signal receiver		PAR-SR4LU-E	PAR-SR4LU-E	
	External heater adapter		PAC-YU25HT	PAC-YU25HT	
	Duct flange for fresh air intake		PAC-SH65OF-E	PAC-SH65OF-E	
Remarks		* PLP-41EAEU is equipped with 3D i-see Sensor as standard function. * Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual. * Due to continuing improvement, above specification may be subject to change without notice.			

Notes :	*1 Nominal cooling conditions	*2 Nominal heating conditions	Unit converter
	Indoor: 80degF D.B. / 67degF W.B. (26.7degC D.B. / 19.4degC W.B.)	70degF D.B. (21.1degC D.B.)	kcal/h = kW x 860
	Outdoor: 95degF D.B. (35degC D.B.)	47degF D.B. / 43degF W.B. (8.3degC D.B. / 6.1degC W.B.)	BTU/h = kW x 3,412
	Pipe length: 25 ft. (7.6 m)	25 ft. (7.6 m)	cfm = m ³ /min x 35.31
	Level difference: 0 ft. (0 m)	0 ft. (0 m)	lbs = kg / 0.4536
			*Above specification data is subject to rounding variation.

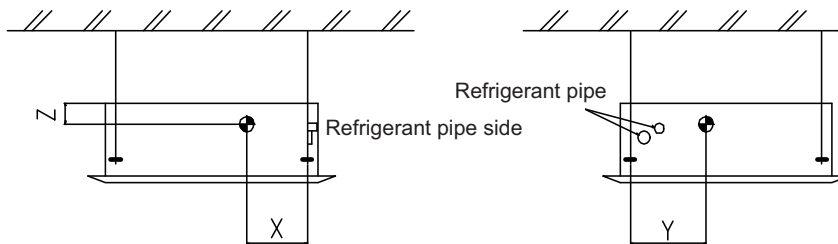
PLFY-P05, 08, 12, 15, 18NFMU-E



(mm)[in]

Model name	X	Y	Z
PLFY-P05NFMU-E	150 [5-29/32]	260 [10-1/4]	105 [4-5/32]
PLFY-P08NFMU-E	150 [5-29/32]	260 [10-1/4]	105 [4-5/32]
PLFY-P12NFMU-E	150 [5-29/32]	260 [10-1/4]	105 [4-5/32]
PLFY-P15NFMU-E	150 [5-29/32]	260 [10-1/4]	105 [4-5/32]
PLFY-P18NFMU-E	150 [5-29/32]	260 [10-1/4]	105 [4-5/32]

PLFY-EP06, 08, 12, 15, 18, 24, 30, 36, 48NEMU-E(1)

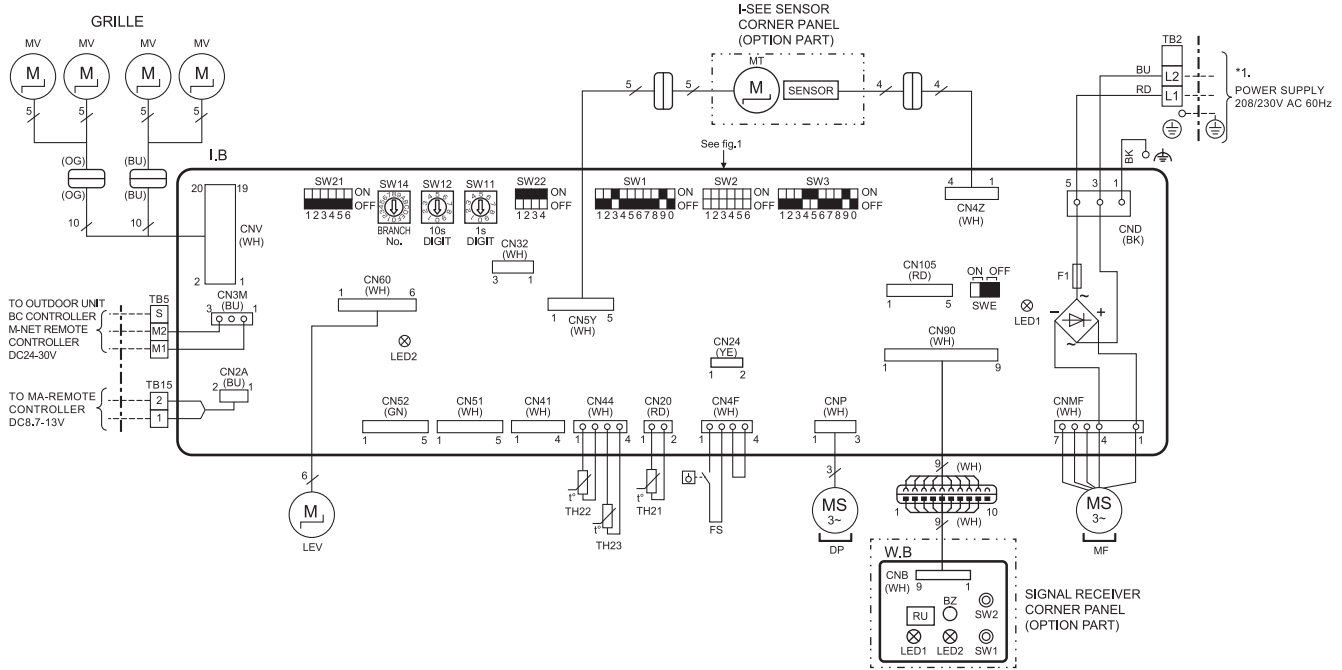


(mm)[in]

Model name	X	Y	Z
PLFY-EP06NEMU-E	325 [12-13/16]	390 [15-3/8]	115 [4-17/32]
PLFY-EP08NEMU-E	325 [12-13/16]	390 [15-3/8]	115 [4-17/32]
PLFY-EP12NEMU-E	325 [12-13/16]	390 [15-3/8]	115 [4-17/32]
PLFY-EP15NEMU-E	325 [12-13/16]	390 [15-3/8]	115 [4-17/32]
PLFY-EP18NEMU-E1	325 [12-13/16]	380 [14-31/32]	100 [3-15/16]
PLFY-EP24NEMU-E	325 [12-13/16]	380 [14-31/32]	100 [3-15/16]
PLFY-EP30NEMU-E	325 [12-13/16]	380 [14-31/32]	100 [3-15/16]
PLFY-EP36NEMU-E	325 [12-13/16]	380 [14-31/32]	100 [3-15/16]
PLFY-EP48NEMU-E	325 [12-13/16]	380 [14-31/32]	100 [3-15/16]

PLFY-P-NFMU-E, EP-NEMU-E(1)

PLFY-P05, 08, 12, 15, 18NFMU-E



[LEGEND]

SYMBOL	NAME
I.B	INDOOR CONTROLLER BOARD
CN24	EXTERNAL HEATER
CN32	REMOTE SWITCH
CN41	HA TERMINAL-A
CN51	CENTRALLY CONTROL
CN52	REMOTE INDICATION
CN105	IT TERMINAL
F1	FUSE (UL 6.3A 250V AC)
LED1	POWER SUPPLY (I.B)
LED2	POWER SUPPLY (MA-REMOTE CONTROLLER)
SW1	MODE SELECTION
SW2	CAPACITY CODE
SW3	MODE SELECTION
SW11	ADDRESS SETTING ONES DIGIT
SW12	ADDRESS SETTING TENS DIGIT
SW14	BRANCH No.
SW21	CEILING HEIGHT SELECTOR
SW22	PAIR NO. SETTING
SWE	DRAIN PUMP(TEST MODE)
DP	DRAIN PUMP
LEV	LINEAR EXPANSION VALVE
MF	FAN MOTOR
MV	VANE MOTOR
FS	FLOAT SWITCH
TB2	TERMINAL POWER SUPPLY
TB5	BLOCK TRANSMISSION
TB15	MA-REMOTE CONTROLLER
TH21	ROOM TEMP. THERMISTOR
TH22	PIPE TEMP. THERMISTOR/LIQUID
TH23	PIPE TEMP. THERMISTOR/GAS
OPTION PART	
W.B	WIRELESS REMOTE CONTROLLER BOARD
BZ	BUZZER
LED1	OPERATION (GREEN)
LED2	STAND BY (ORANGE)
RU	RECEIVING UNIT
SW1	EMERGENCY OPERATION(HEAT)
SW2	EMERGENCY OPERATION(COOL)
MT	I-SEE SENSOR MOTOR

<fig.1>

MODELS	SW2	MODELS	SW2
P05	ON OFF	P15	ON OFF
P08	ON OFF	P18	ON OFF
P12	ON OFF		

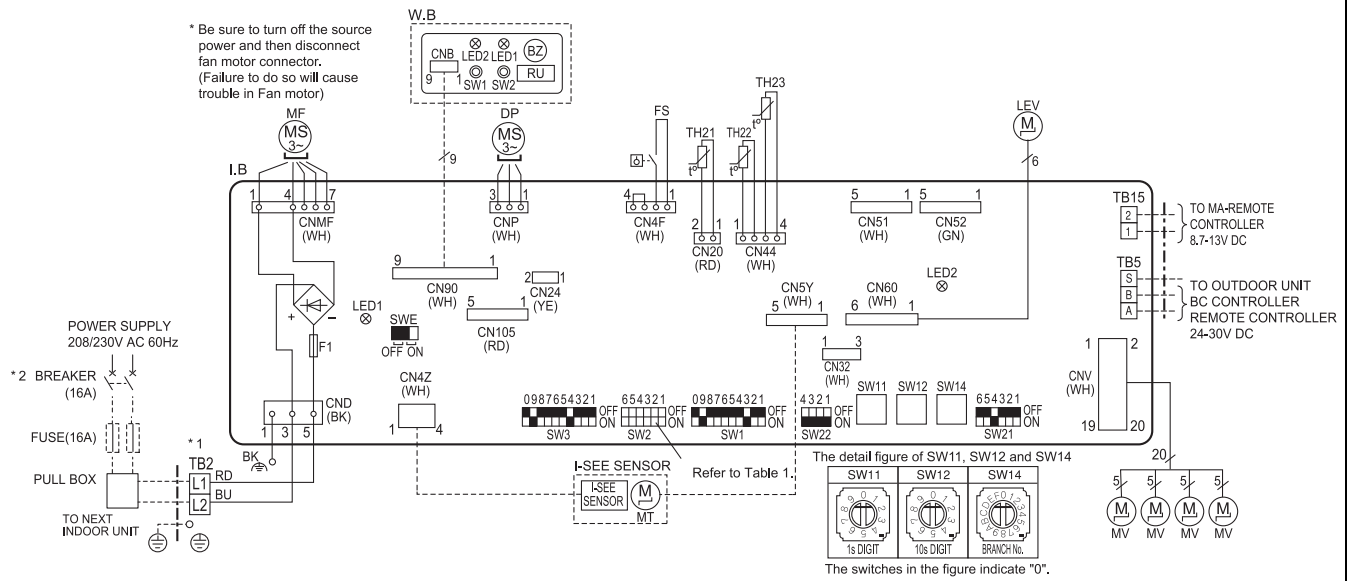
The black square (■) indicates a switch position.

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 M-NET, 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 the SW2 dip switches differs in the capacity. For the detail, refer to the fig.1.
- Make sure to turn off the indoor and the outdoor units before replacing indoor controller board.

*1. Use copper supply wires.
Utilisez des fils d'alimentation en cuivre.

PLFY-EP06, 08, 12, 15, 18, 24, 30, 36, 48NEMU-E(1)



<Table 1> SW2 (CAPACITY CODE)

MODELS	SW2	MODELS	SW2
06	ON OFF 1 2 3 4 5 6	24	ON OFF 1 2 3 4 5 6
08	ON OFF 1 2 3 4 5 6	30	ON OFF 1 2 3 4 5 6
12	ON OFF 1 2 3 4 5 6	36	ON OFF 1 2 3 4 5 6
15	ON OFF 1 2 3 4 5 6	48	ON OFF 1 2 3 4 5 6
18	ON OFF 1 2 3 4 5 6		

NOTES:

1. At servicing for outdoor unit, always follow the wiring diagram of outdoor unit.
 2. In case of using MA-Remote controller, please connect to TB15. (Remote controller wire is non-polar.)
 3. In case of using M-NET-Remote controller, please connect to TB5. (Transmission line is non-polar.)
 4. Symbol [S]of TB5 is the shield wire connection.
 5. Symbols used in wiring diagram above are, : terminal block, : connector.
 6. The setting of SW2 differs in the capacity. For the detail, refer the table 1 .
 7. Make sure to turn off the indoor and the outdoor units before replacing indoor controller board.
 8. ■ is the switch position.
- *1. Use copper supply wires.
Utilisez des fils d'alimentation en cuivre.
- *2. A disconnect should be required by local code.
Se procurer un sectionneur conforme aux réglementations Locales.

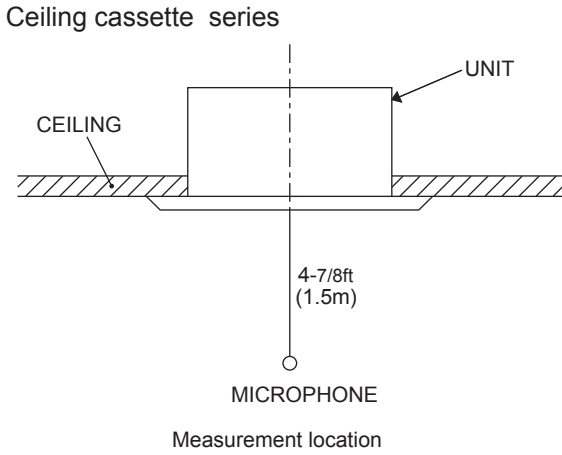
[LEGEND]

SYMBOL	NAME	SYMBOL	NAME
I.B	INDOOR CONTROLLER BOARD	TH23	THERMISTOR PIPE TEMP. DETECTION / GAS (32°F/15kΩ, 77°F/5.4k Ω)
F1	FUSE (UL 6.3A 250V AC)	MF	FAN MOTOR
CN24	CONNECTOR	MV	VANE MOTOR
CN32	EXTERNAL HEATER	MT	I-SEE SENSOR MOTOR
CN51	REMOTE SWITCH	DP	DRAIN PUMP
CN52	CENTRALLY CONTROL	FS	DRAIN FLOAT SWITCH
CN105	REMOTE INDICATION	FB	BUZZER
SW1	SWITCH	LED1	LED (OPERATION INDICATION : GREEN)
SW2	MODE SELECTION	LED2	LED (PREPARATION FOR HEATING : ORANGE)
SW3	CAPACITY CODE	RU	RECEIVING UNIT
SW11	MODE SELECTION	SW1	EMERGENCY OPERATION (HEAT / DOWN)
SW12	ADDRESS SETTING 1s DIGIT	SW2	EMERGENCY OPERATION (COOL / UP)
SW14	ADDRESS SETTING 10s DIGIT		
SW21	BRANCH NO.		
SW22	CEILING HEIGHT/DISCHARGE OUTLET NUMBER/OPTION SELECTOR		
SWE	PAIR NO. SETTING		
	DRAIN PUMP (TEST MODE)		
TH21	THERMISTOR ROOM TEMP. DETECTION (32°F/15kΩ, 77°F/5.4kΩ)		
TH22	THERMISTOR PIPE TEMP. DETECTION / LIQUID (32°F/15kΩ, 77°F/5.4k Ω)		

LED on indoor board for service

Mark	Meaning	Function
LED1	Main power supply	Main Power supply (Indoor unit:208/230V AC) power on → lamp is lit
LED2	Power supply for MA-Remote controller	Power supply for MA-Remote controller on → lamp is lit

5-1. Sound levels



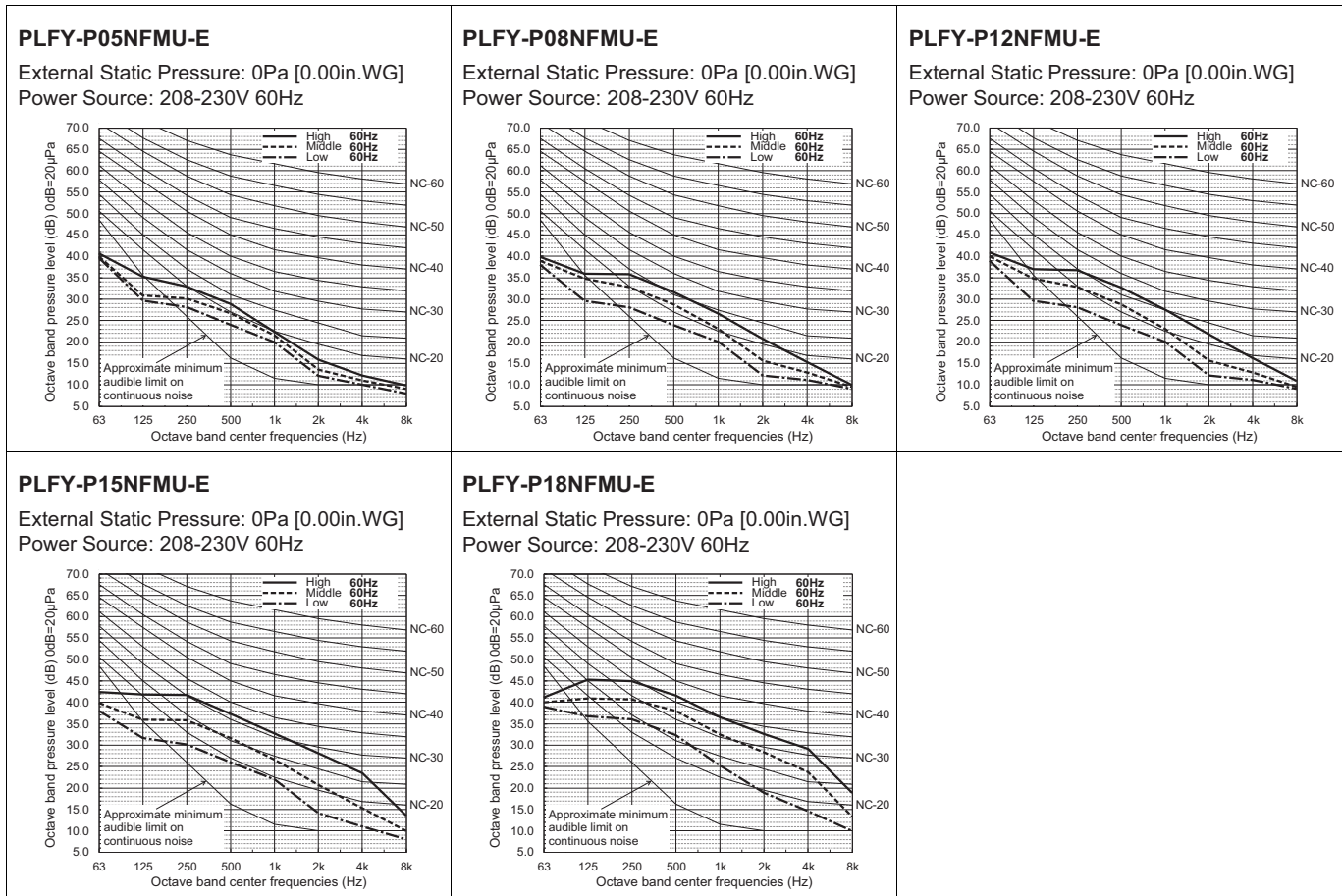
Operating sound levels (Low-Mid-High)

Model	Sound level (A weighted)
PLFY-P05NFMU-E	26-28-30
PLFY-P08NFMU-E	26-30-33
PLFY-P12NFMU-E	26-30-34
PLFY-P15NFMU-E	28-33-39
PLFY-P18NFMU-E	33-39-43

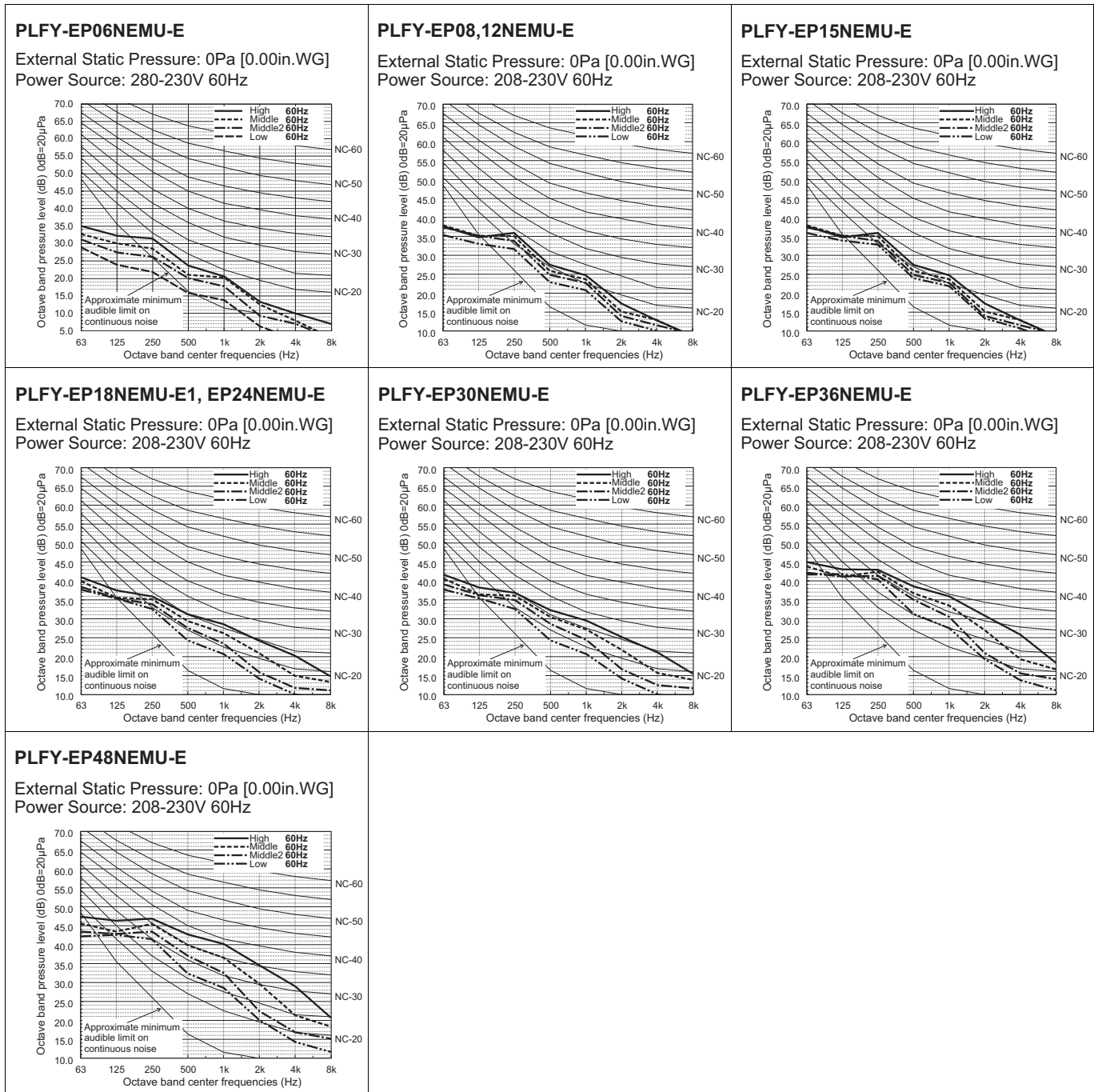
(Low-Mid2-Mid1-High)

Model	Sound level (A weighted)
PLFY-EP06NEMU-E	19-23-25-27
PLFY-EP08NEMU-E	27-29-30-31
PLFY-EP12NEMU-E	27-29-30-31
PLFY-EP15NEMU-E	28-29-30-31
PLFY-EP18NEMU-E1	28-30-32-34
PLFY-EP24NEMU-E	28-30-32-34
PLFY-EP30NEMU-E	28-31-33-35
PLFY-EP36NEMU-E	35-37-39-41
PLFY-EP48NEMU-E	36-39-42-45

5-2. NC curves



PLFY-P-NFMU-E, EP-NEMU-E(1)



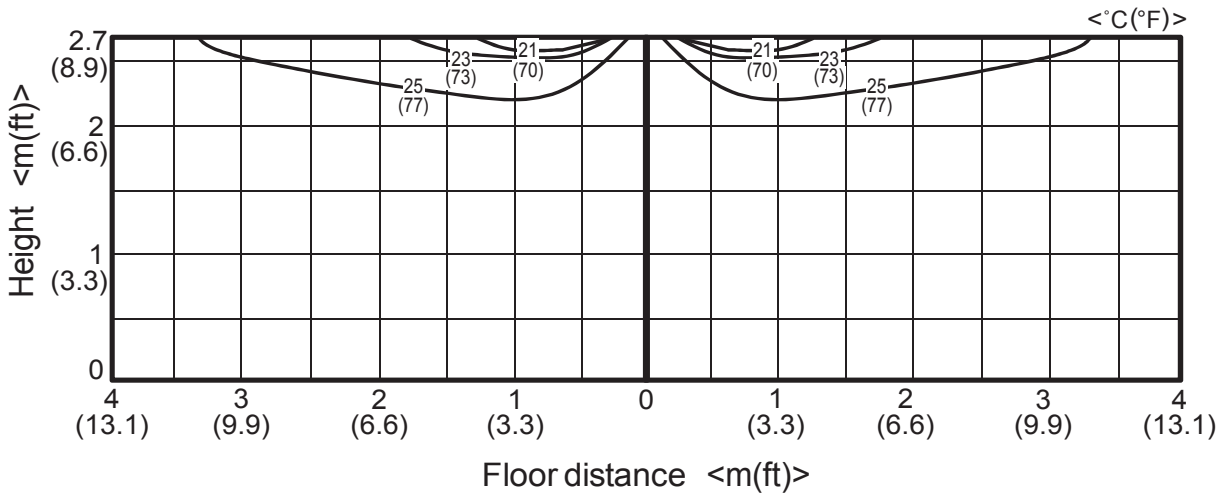
6-1. Temperature distributions

PLFY-P05-18NFMU-E

<Cooling mode>

Horizontal

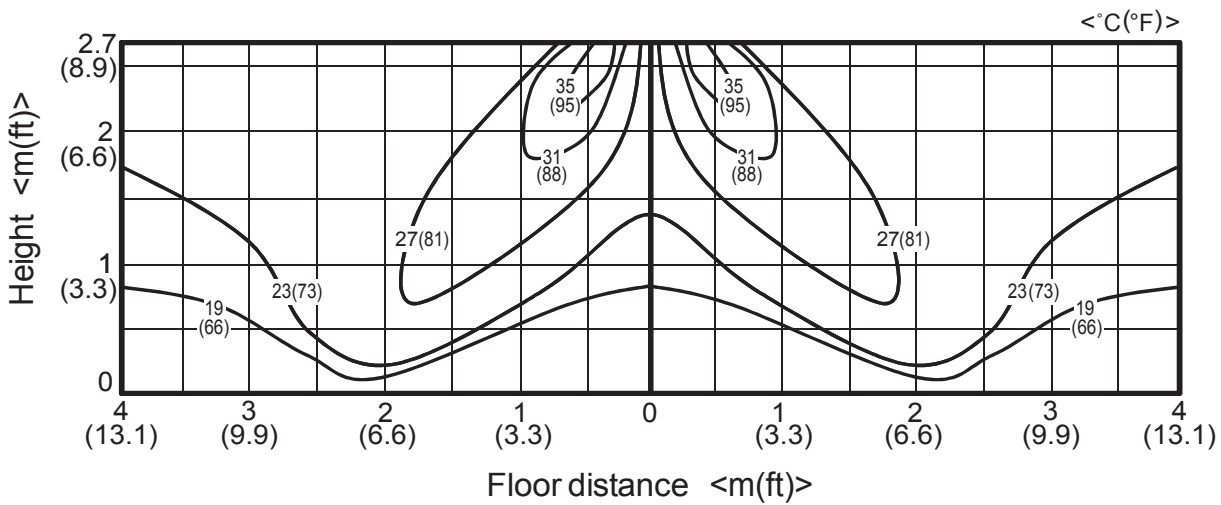
Ceiling height : 2.7m (8.9ft)



<Heating mode>

Downward

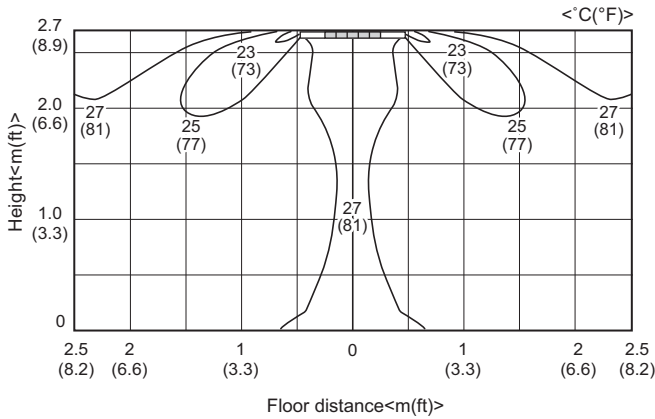
Ceiling height : 2.7m (8.9ft)



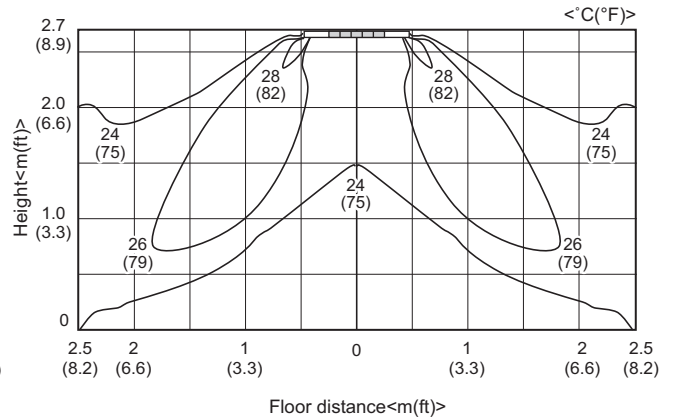
Note : These figures show typical temperature distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load, obstacles, etc.

PLFY-EP06NEMU-E

<Cooling mode>Standard
Flow angle: 30° 4-way flow
ceiling height: 2.7m(8.9ft)

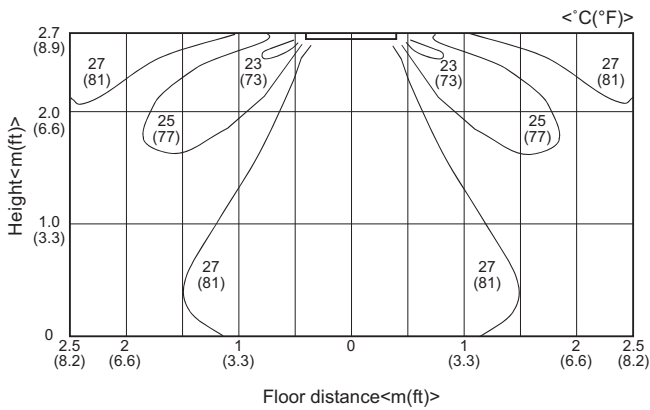


<Heating mode> Standard
Flow angle: 60° 4-way flow
ceiling height: 2.7m(8.9ft)

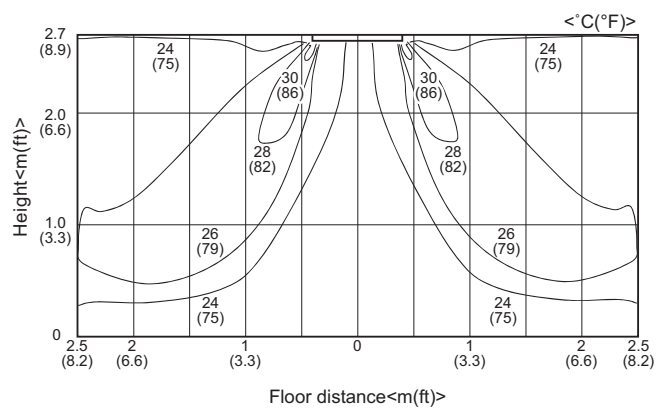


PLFY-EP08, 12NEMU-E

<Cooling mode>Standard
Flow angle: 30° 4-way flow
ceiling height: 2.7m(8.9ft)

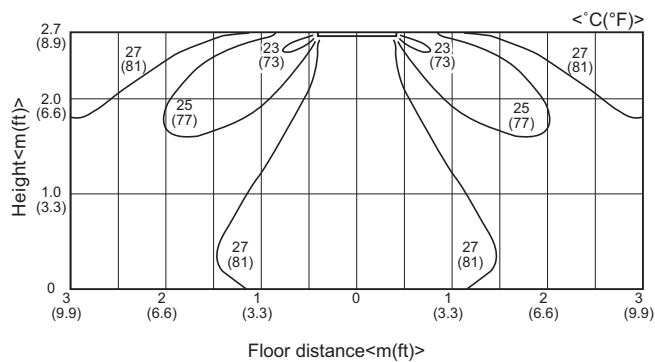


<Heating mode> Standard
Flow angle: 60° 4-way flow
ceiling height: 2.7m(8.9ft)

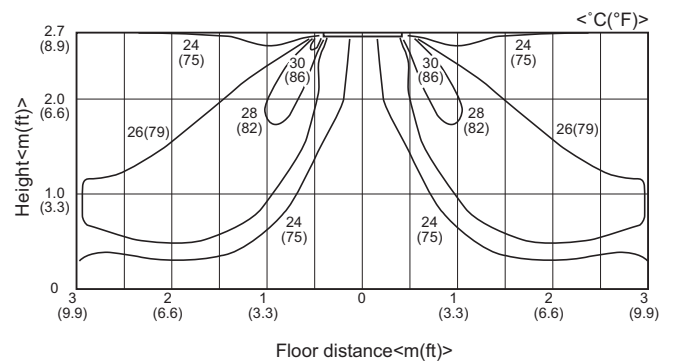


PLFY-EP15NEMU-E

<Cooling mode>Standard
Flow angle: 30° 4-way flow
ceiling height: 2.7m(8.9ft)



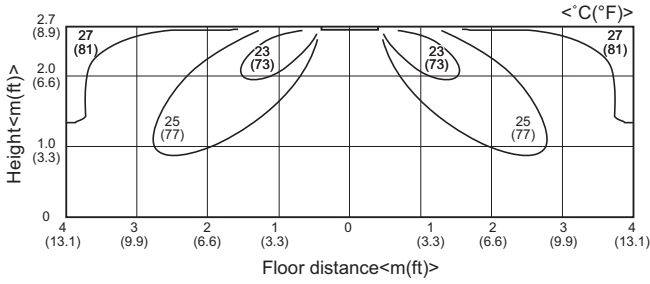
<Heating mode>Standard
Flow angle: 60° 4-way flow
ceiling height: 2.7m(8.9ft)



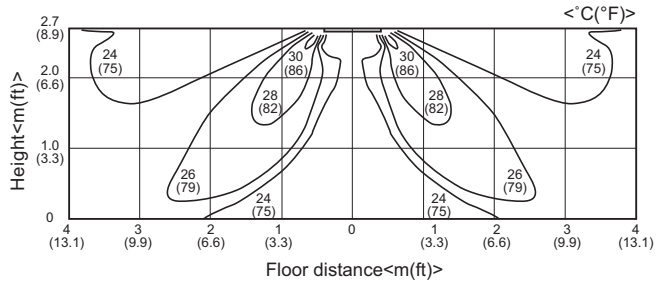
Note : These figures show typical temperature distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load, obstacles, etc.

PLFY-P-NFMU-E, EP-NEMU-E(1)

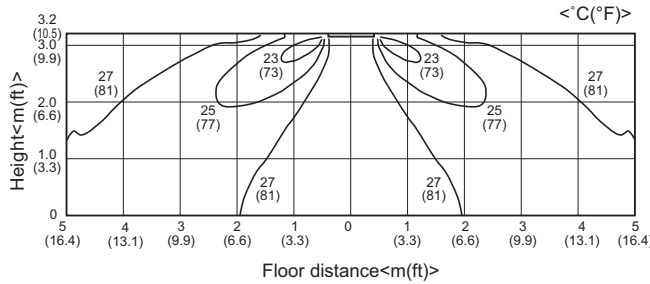
PLFY-EP18NEMU-E1, EP24, 30NEMU-E
<Cooling mode>Standard
Flow angle: 30° 4-way flow
ceiling height: 2.7m(8.9ft)



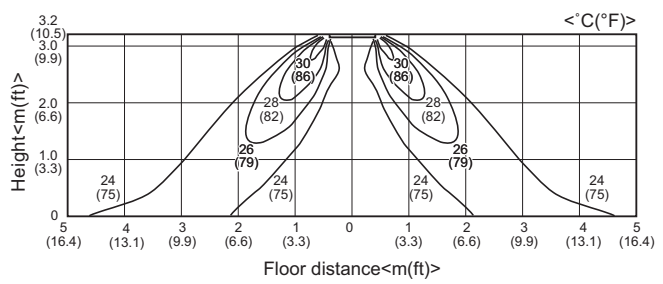
<Heating mode>Standard
Flow angle: 60° 4-way flow
ceiling height: 2.7m(8.9ft)



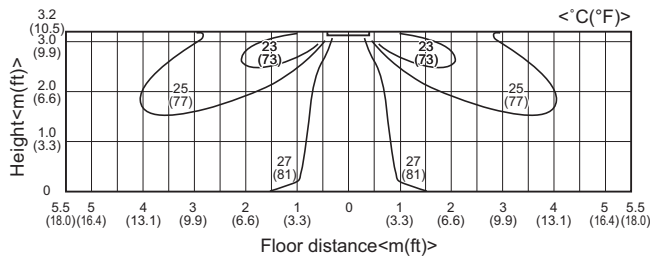
PLFY-EP36NEMU-E
<Cooling mode>Standard
Flow angle: 30° 4-way flow
ceiling height: 3.2m(10.5ft)



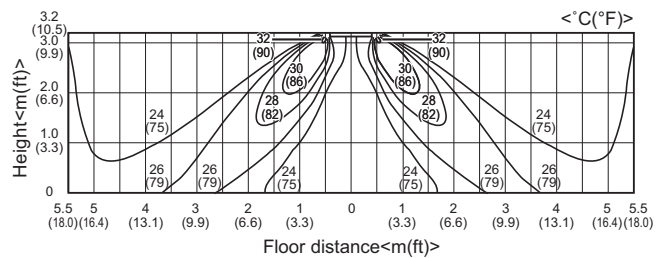
<Heating mode>Standard
Flow angle: 60° 4-way flow
ceiling height: 3.2m(10.5ft)



PLFY-EP48NEMU-E
<Cooling mode>Standard
Flow angle: 30° 4-way flow
ceiling height: 3.2m(10.5ft)



<Heating mode>Standard
Flow angle: 60° 4-way flow
ceiling height: 3.2m(10.5ft)



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.

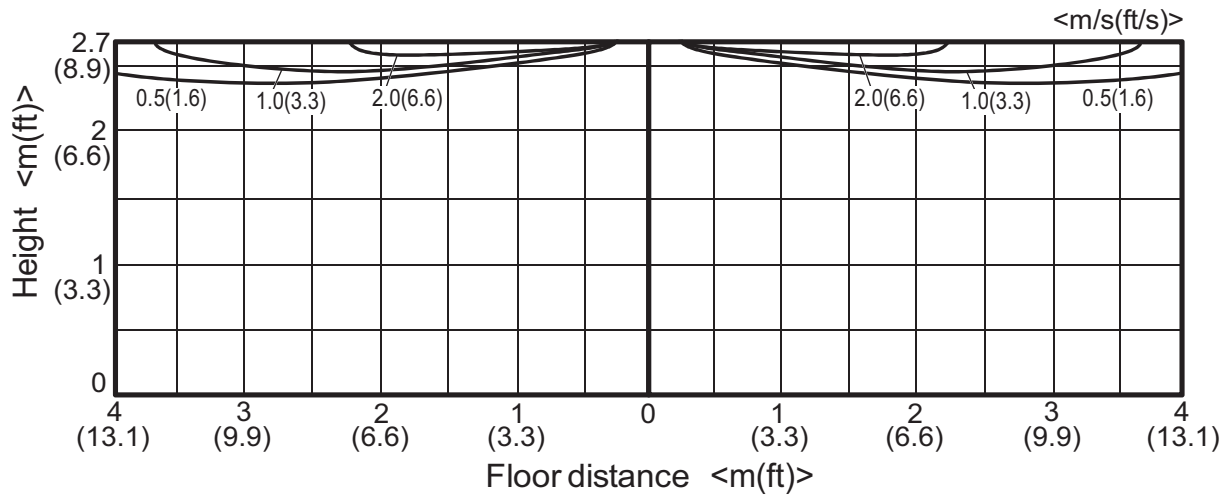
6-2. Airflow distributions

PLFY-P05-18NFMU-E

<Cooling mode>

Horizontal

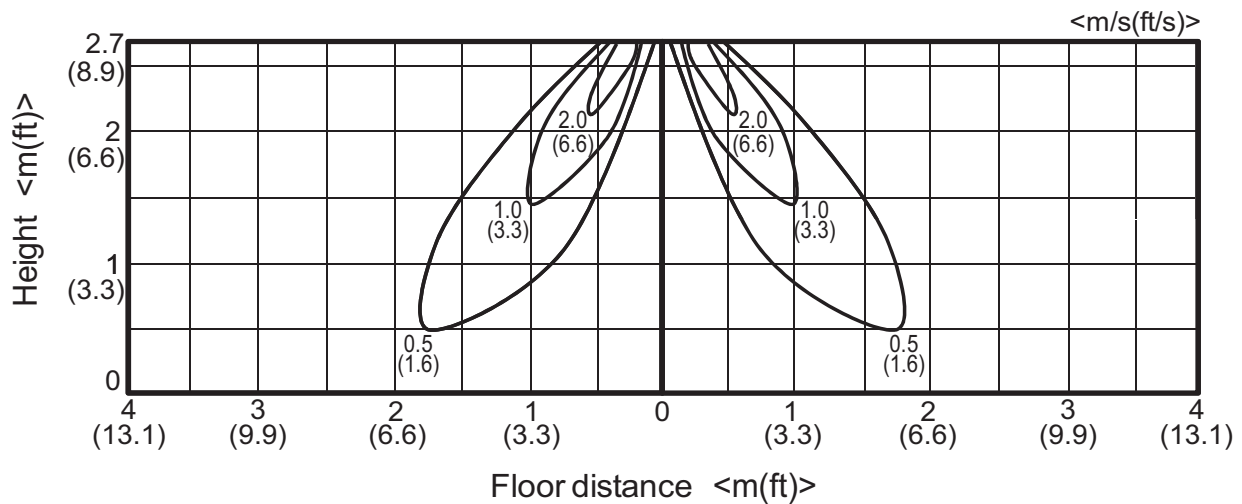
Ceiling height : 2.7m (8.9ft)



<Heating mode>

Downward

Ceiling height : 2.7m (8.9ft)



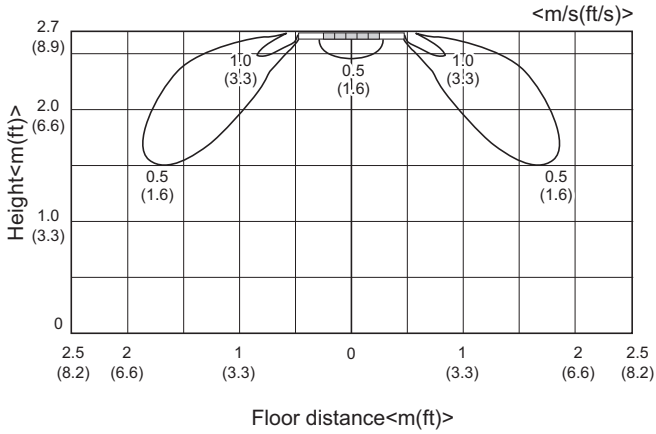
Note : These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load, obstacles, etc.

PLFY-P-NFMU-E, EP-NEMU-E(1)

PLFY-EP06NEMU-E

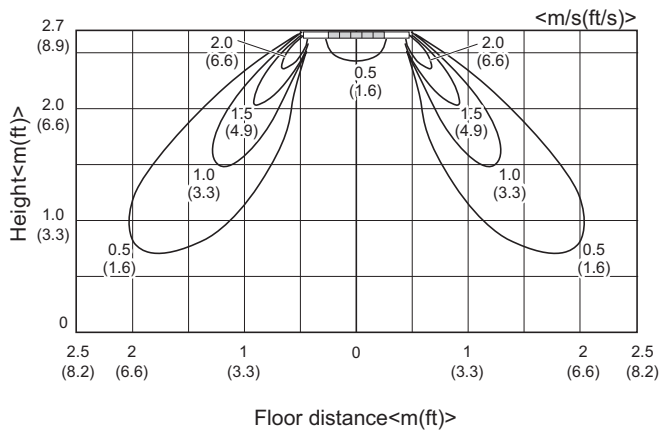
<Cooling mode>

Flow angle: 30°



<Heating mode>

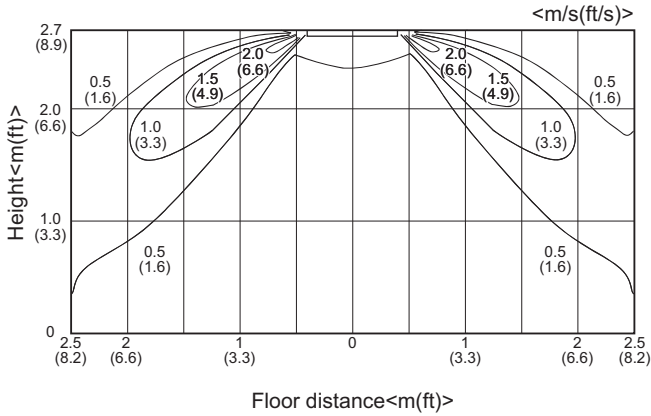
Flow angle: 60°



PLFY-EP08, 12NEMU-E

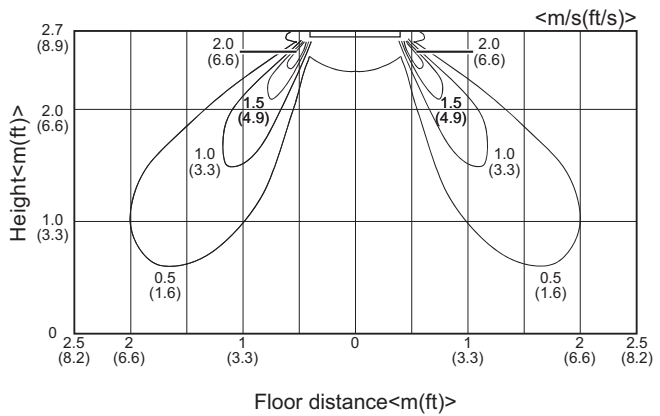
<Cooling mode>

Flow angle: 30°



<Heating mode>

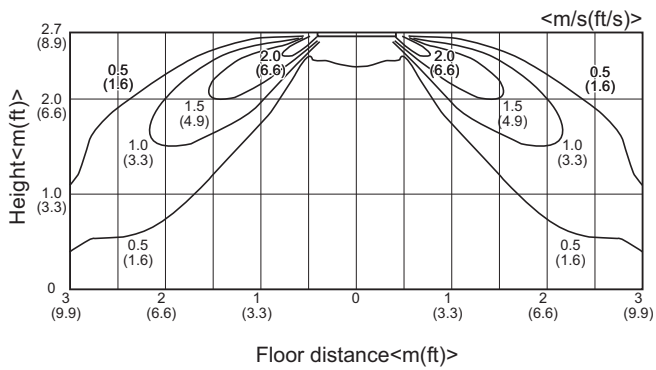
Flow angle: 60°



PLFY-EP15NEMU-E

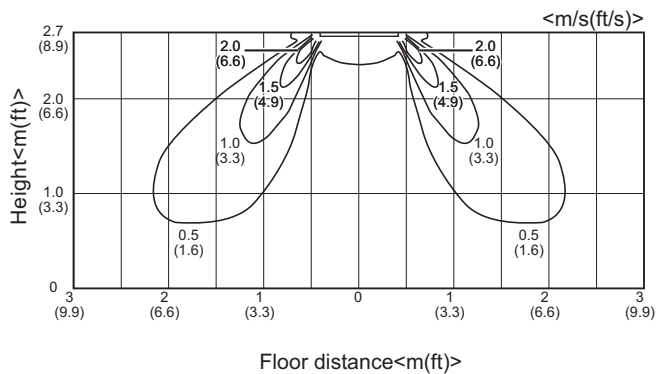
<Cooling mode>

Flow angle: 30°



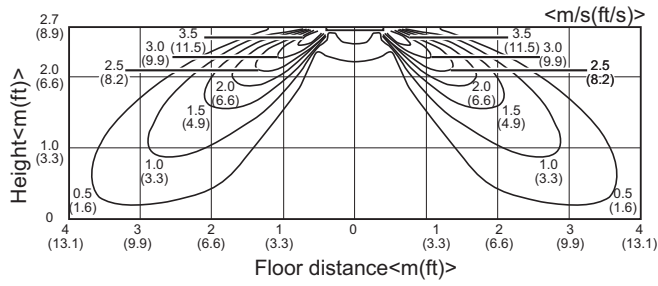
<Heating mode>

Flow angle: 60°

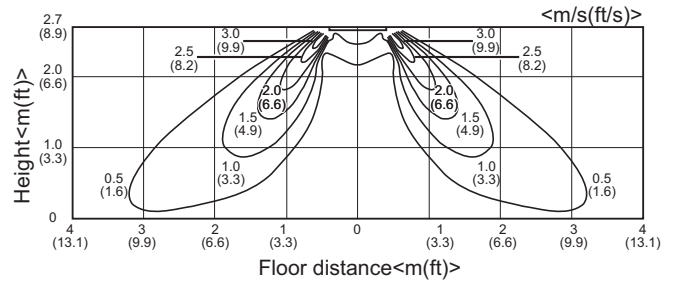


Note : These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load, obstacles, etc.

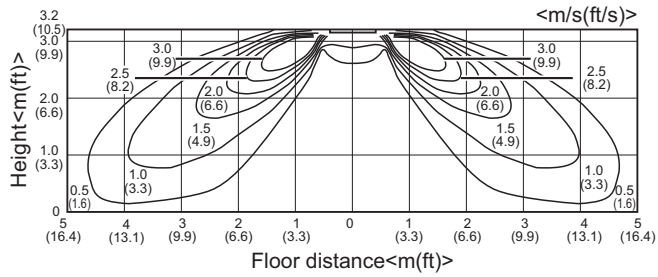
PLFY-EP18NEMU-E1, EP24, 30NEMU-E
 <Cooling mode>
 Flow angle: 30°



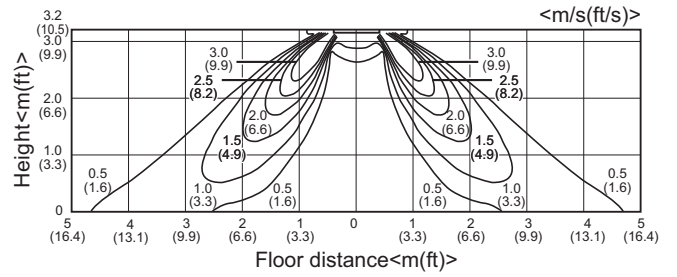
<Heating mode>
 Flow angle: 60°



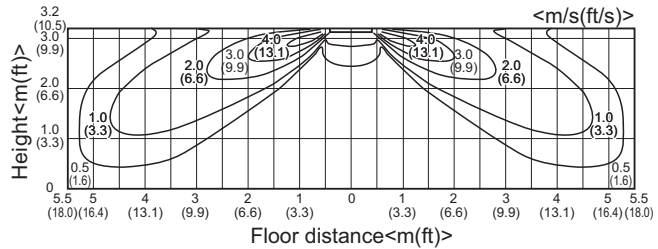
PLFY-EP36NEMU-E
 <Cooling mode>
 Flow angle: 30°



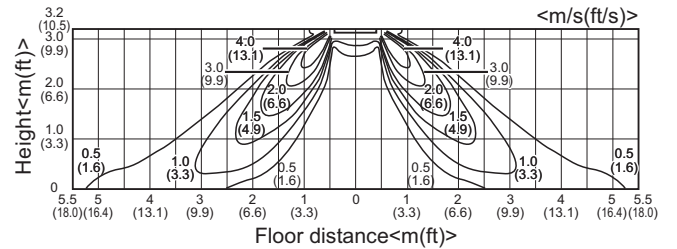
<Heating mode>
 Flow angle: 60°



PLFY-EP48NEMU-E
 <Cooling mode>
 Flow angle: 30°



<Heating mode>
 Flow angle: 60°



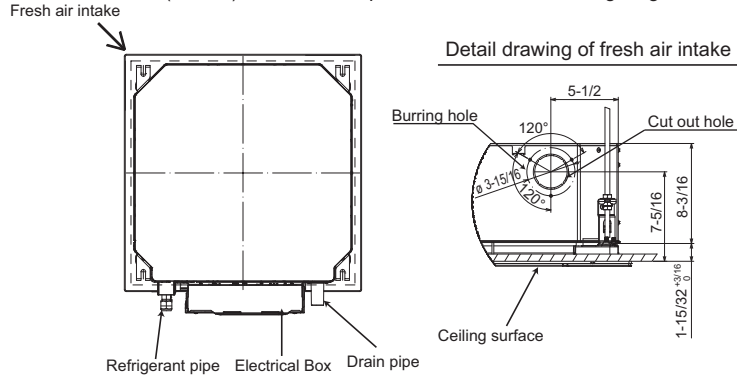
Note : These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load, obstacles, etc.

PLFY-P-NFMU-E, EP-NEMU-E(1)

PLFY-P-NFMU-E, EP-NEMU-E(1)

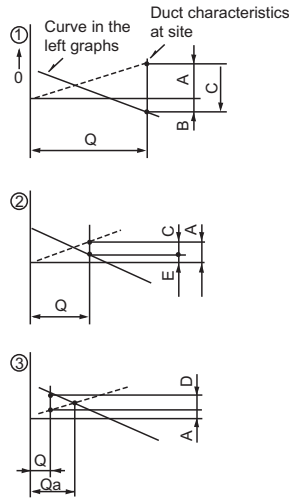
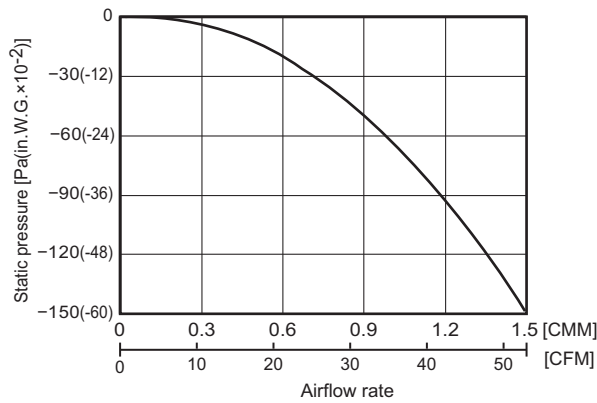
● PLFY-P05, 08, 12, 15, 18NFMU-E

At the time of installation, use the duct holes (cut out) located at the positions shown in following diagram, as and when required.



How to read curves

Taking air into the unit



- Q...Designed amount of fresh air intake <CMM (CFM)>
- A...Static pressure loss of fresh air intake duct system with air flow amount Q <Pa (in.W.G.·o10⁻²)>
- B...Forced static pressure at air conditioner inlet with air flow amount Q <Pa (in.W.G.·o10⁻²)>
- C...Static pressure of booster fan with air flow amount Q <Pa (in.W.G.·o10⁻²)>
- D...Static pressure loss increase amount of fresh air intake duct system for air flow amount Q <Pa (in.W.G.·o10⁻²)>
- E...Static pressure of indoor unit with air flow amount Q <Pa (in.W.G.·o10⁻²)>
- Qa...Estimated amount of fresh air intake without D <CMM (CFM)>

NOTE: Fresh air intake amount should be 10% or less of whole air amount to prevent dew dripping.

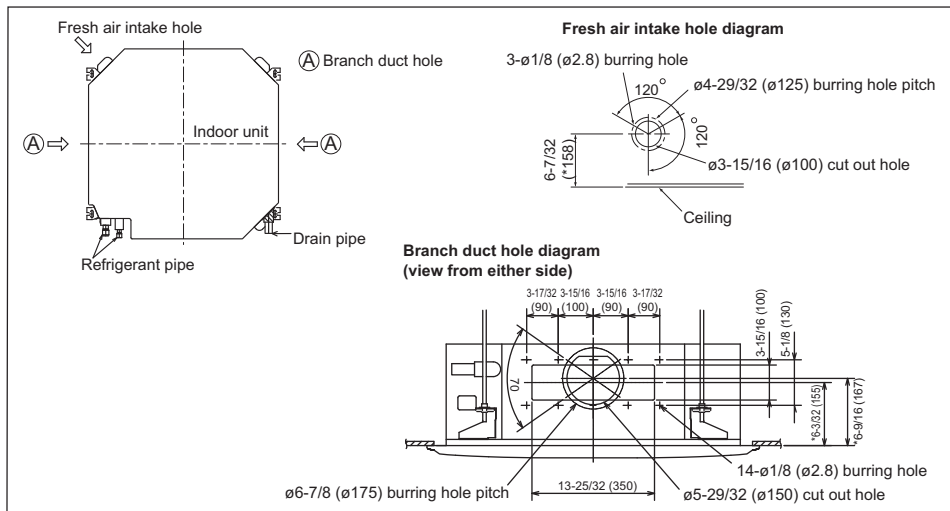
● PLFY-EP06, 08, 12, 15, 18, 24, 30, 36, 48NEMU-E(1)

At the time of installation, use the duct holes (cut out) located at the positions shown in following diagram, as and when required.
 • A fresh air intake hole for the optional multi function casement can also be made.

Note:

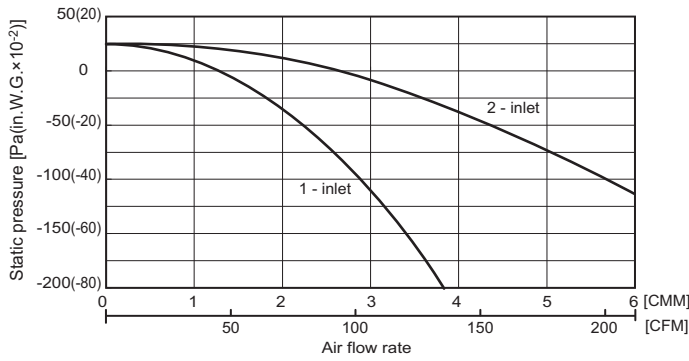
The figures marked with * in the drawing below represent the dimensions of the main unit excluding those of the optional multi function casement. When installing the optional multi function casement, add 5-5/16" (135 mm) to the dimensions marked on the figure. When installing the branch ducts, be sure to insulate adequately. Otherwise, condensation and dripping may occur.

Unit : in (mm)

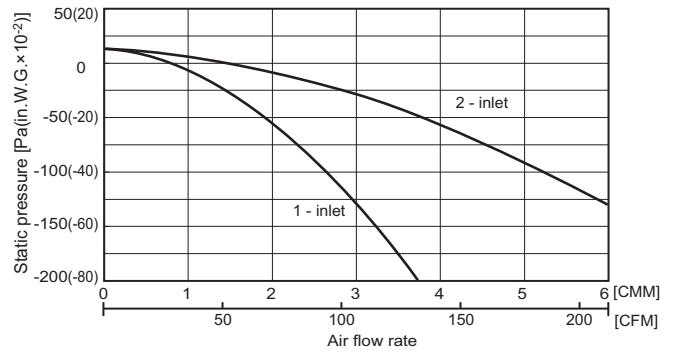


● PLY-EP06, 08, 12, 15NEMU-E

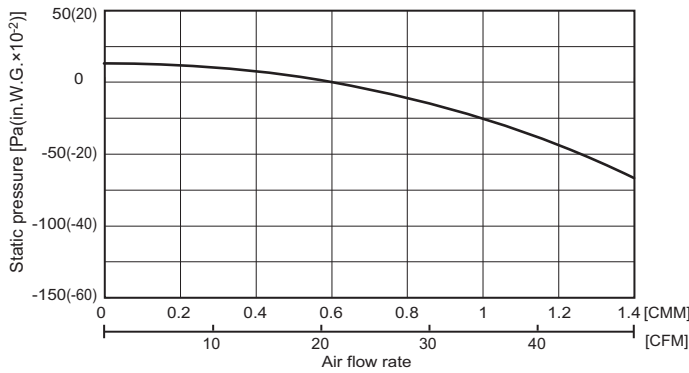
Multifunction casement + High efficiency filter



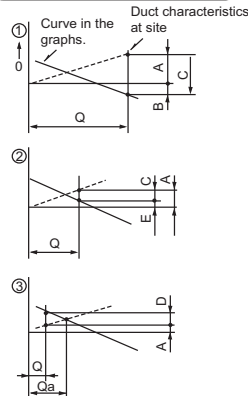
Multifunction casement + Standard filter



Taking air into the unit



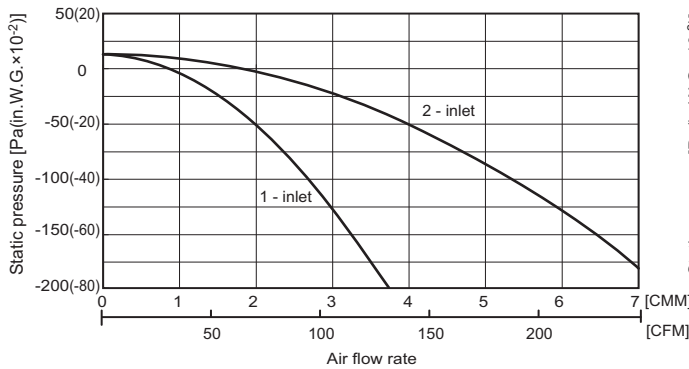
How to read curves



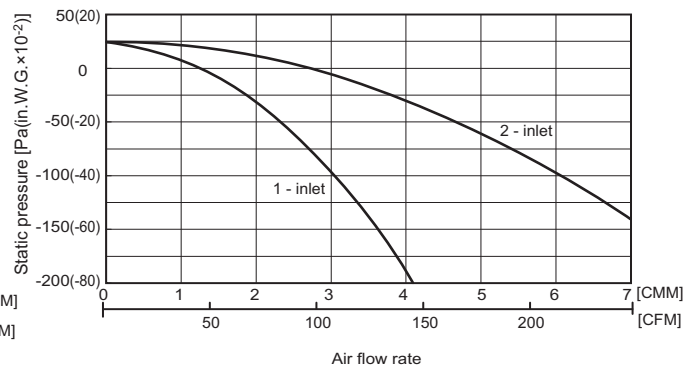
- Q...Designed amount of fresh air intake <CMM (CFM)>
- A...Static pressure loss of fresh air intake duct system with air flow amount Q <Pa (in.W.G.×10⁻²)>
- B...Forced static pressure at air conditioner inlet with air flow amount Q <Pa (in.W.G.×10⁻²)>
- C...Static pressure of booster fan with air flow amount Q <Pa (in.W.G.×10⁻²)>
- D...Static pressure loss increase amount of fresh air intake duct system for air flow amount Q <Pa (in.W.G.×10⁻²)>
- E...Static pressure of indoor unit with air flow amount Q <Pa (in.W.G.×10⁻²)>
- Qa...Estimated amount of fresh air intake without D <CMM (CFM)>

● PLY-EP18NEMU-E1
PLY-EP24, 30, 36, 48NEMU-E

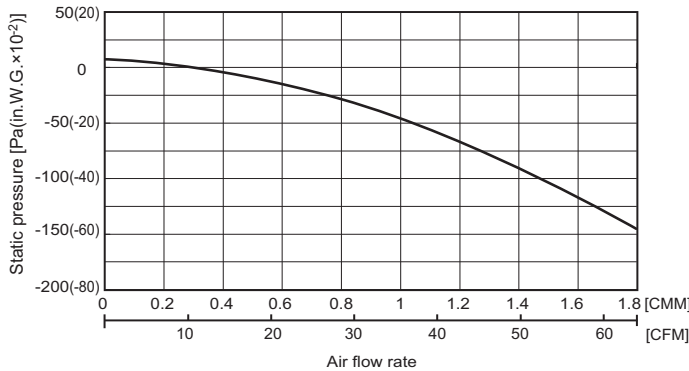
Multifunction casement + Standard filter



Multifunction casement + High efficiency filter



Taking air into the unit



8. ELECTRICAL CHARACTERISTICS

Ceiling cassette (4-way flow type)

Symbols: MCA: Minimum Circuit Ampacity (=1.25xFLA) FLA: Full Load Amps

IFM: Indoor Fan Motor

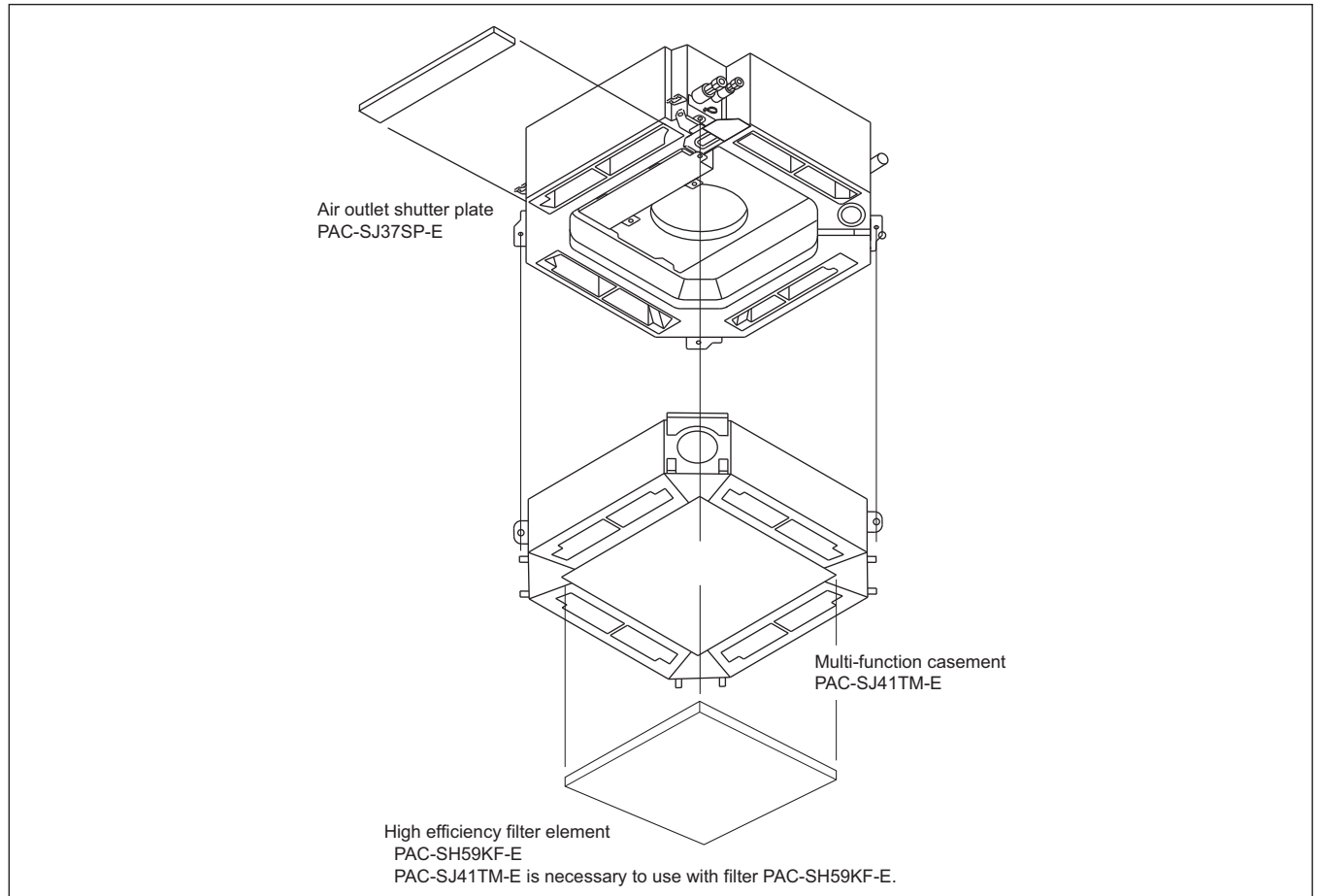
Output: Fan motor rated output

Model	Indoor Unit			IFM		
	Hz	Volts	Voltage range	MCA(A)	Output (kW)	FLA(A)
PLFY-P05NFMU-E	60Hz	208/230V	198 to 253V	0.24/0.24	0.05/0.05	0.19/0.19
PLFY-P08NFMU-E				0.28/0.28	0.05/0.05	0.22/0.22
PLFY-P12NFMU-E				0.29/0.29	0.05/0.05	0.23/0.23
PLFY-P15NFMU-E				0.35/0.35	0.05/0.05	0.28/0.28
PLFY-P18NFMU-E				0.50/0.50	0.05/0.05	0.40/0.40
PLFY-EP06NEMU-E	60Hz	208/230V	198 to 253V	0.24/0.24	0.05/0.05	0.19/0.19
PLFY-EP08NEMU-E				0.39/0.39	0.05/0.05	0.31/0.31
PLFY-EP12NEMU-E				0.39/0.39	0.05/0.05	0.31/0.31
PLFY-EP15NEMU-E				0.39/0.39	0.05/0.05	0.31/0.31
PLFY-EP18NEMU-E1				0.54/0.54	0.12/0.12	0.43/0.43
PLFY-EP24NEMU-E				0.54/0.54	0.12/0.12	0.43/0.43
PLFY-EP30NEMU-E				0.57/0.57	0.12/0.12	0.45/0.45
PLFY-EP36NEMU-E				0.92/0.92	0.12/0.12	0.73/0.73
PLFY-EP48NEMU-E				1.27/1.27	0.12/0.12	1.01/1.01

PLFY-P-NFMU-E, EP-NEMU-E(1)

9-1. Optional parts line up for the Indoor unit

	Description	Model
PLFY-P-NFMU-E PLFY-EP-NEMU-E(1)	Air outlet shutter plate	PAC-SJ37SP-E (for EP-NEMU)
	Multi-function casement	PAC-SJ41TM-E (for EP-NEMU)
	High efficiency filter element	PAC-SH59KF-E (for EP-NEMU)
	3D i-see Sensor corner panel	PAC-SF1ME-E (for P-NFMU)
	3D i-see Sensor panel	SLP-18FAEU (for P-NFMU)
	Wireless signal receiver	PAR-SF9FA-E (for P-NFMU)/PAR-SR4LU-E (for EP-NEMU)
	External heater adapter	PAC-YU25HT (for EP-NEMU)
	Duct flange for fresh air intake	PAC-SH65OF-E (for EP-NEMU)



9-2. 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.

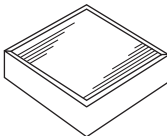
9-3. High efficiency filter element

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.

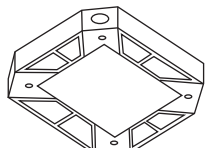


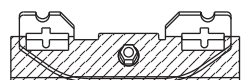
9-4. Multi-function casement

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.

9-5. 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.

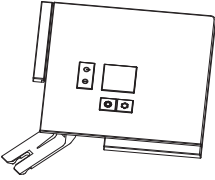
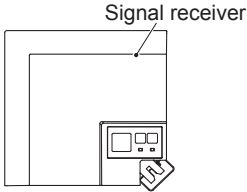
※ It may cause dew dripping.

Item	3D i-see Sensor corner panel	Plastic fastener	
Quantity	1	2	
Shape			

Detailed installation information should be referred to its Installation Manual.

9-6. Wireless signal receiver

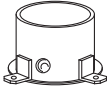

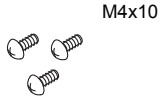
Wireless signal receiver PAR-SF9FA-E/PAR-SR4LU-E is necessary for using wireless remote controller
 PAR-SF9FA-E/PAR-SR4LU-E is a corner panel with the signal receiver for wireless remote controller.

Item	Wireless signal receiver for NFMU	Wireless signal receiver for NEMU
Quantity	1	1
Shape		

Detailed installation information should be referred to its Installation Manual.

9-7. Flange for fresh air intake

Using the flange for fresh air intake to connect to $\phi 100$ ($\phi 3-15/16$ inch) duct.
 The flange for fresh air intake is installed in the Multi-function casement(PAC-SJ41TM-E) or indoor unit.

Item	① Duct flange	② Insulator	③ Screw	
Quantity	1	1	3	
Shape				

Detailed installation information should be referred to its Installation Manual.

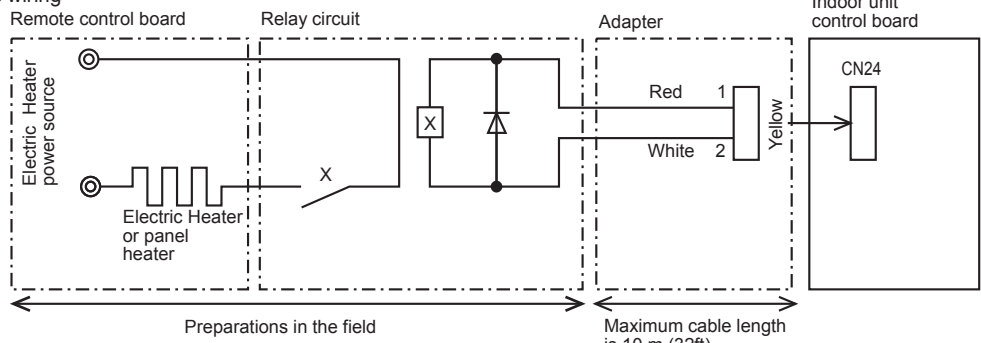
9-8. External heater adapter

PLFY-P-NFMU-E, EP-NEMU-E(1)

External heater adapter PAC-YU25HT is a set of special wiring parts for controlling the electric heater* with the air conditioner system.
 *The electric heater should be designed and prepared at the site.

A basic connection method is shown as follows:(For details, refer to its Installation Manual.)

(1) Basic wiring



- Outdoor unit control board
- PUYH, PURY-P-TGMU type
Dip switch SW5-2 "ON/OFF"
 - PUHY, PURY-P-THMU/YHMU/TJMU/YJMU type
Dip switch SW5-10 "ON/OFF"
 - PUHY, PURY-P-TKMU/YKMU, PUHY, PURY-P-TLMU/YLMU, PURY-HP-TKMU/YKMU type
Dip switch SW4: 932 "ON/OFF"
 - PUHY, PURY-P-TNU/YNU, PUHY, PURY-EP-TNU/YNU, PUHY, PURY-HP-TNU/YNU, type
Dip switch SW4: 932 "ON/OFF"
 - PUMY series
Dip switch SW4-4 "ON/OFF"

For relay X use the specifications given below Operation coil

Rated voltage : 12VDC
 Power consumption : 1W or less

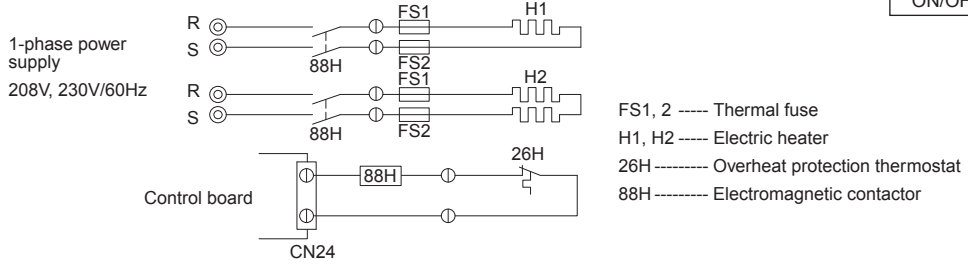
* Use the diode that is recommended by the relay manufacturer at both ends of the relay coil.

The length of the electrical wiring for the PAC-YU25HT is 2 meters (6-1/2 ft).

To extend this length, use sheathed 2-core cable.

Control cable type : CVV, CVS, CPEV or equivalent.
 Cable size : 0.5 mm² ~ 1.25 mm² (16 to 22 AWG)
 Don't extend the cable more than 10 meters (32ft).

(2) Recommended circuit



Item	① External output cable	② Connector (for use with the panel heater)	
Quantity	2	3	
Shape			

Wiring details and Installation details should be referred to its Installation Manual.



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, R410A.

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