

AIR CONDITIONING SYSTEMS

CITY MULTI

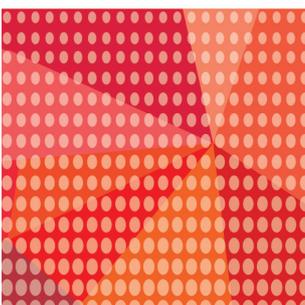
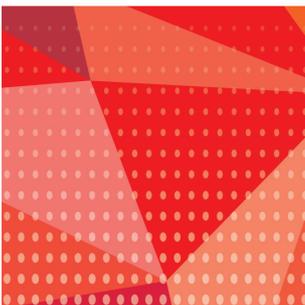


DATA BOOK

MODEL

PLFY-P-NFMU-E

PLFY-(E)P-NEMU-E



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

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1. SPECIFICATIONS

Indoor units

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		in.	8-3/16 × 22-7/16 × 22-7/16		
		mm	208 × 570 × 570		
Net weight		lbs (kg)	28.9 (13.1)	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		
	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)	dB <A>	26-28-30	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		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	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°FWB(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
2.Nominal heating conditions Indoor:70°FDB(21.1°CDB), Outdoor:47°FDB/43°FWB(8.3°CDB/6.1°CWB) Pipe length:25ft.(7.6m), Level difference:0ft.(0m)	cfm = m ³ /min × 35.31
	lbs = kg / 0.4536
	*Above specification data is subject to rounding variation.

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

1. SPECIFICATIONS

Indoor units

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		<p>*PLFY-P-NFMU-E should be used with SLP-18FAU/SLP-18FAEU.</p> <p>* Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual.</p> <p>* Due to continuing improvement, above specifications may be subject to change without notice.</p>				

Notes:	Unit convertor
<p>1.Nominal cooling conditions¹</p> <p>Indoor:80°FDB/67°F WB(26.7°CDB/19.4°CWB), Outdoor:95°FDB(35°CDB)</p> <p>Pipe length:25ft.(7.6m), Level difference:0ft.(0m)</p> <p>2.Nominal heating conditions</p> <p>Indoor:70°FDB(21.1°CDB), Outdoor:47°FDB/43°F WB(8.3°CDB/6.1°CWB)</p> <p>Pipe length:25ft.(7.6m), Level difference:0ft.(0m)</p>	<p>kcal/h = kW × 860</p> <p>BTU/h = kW × 3,412</p> <p>cfm = m³/min × 35.31</p> <p>lbs = kg / 0.4536</p> <p>*Above specification data is subject to rounding variation.</p>

1. SPECIFICATIONS

Indoor units

Model		PLFY-EP08NEMU-E	PLFY-EP12NEMU-E	PLFY-EP15NEMU-E	PLFY-EP18NEMU-E		
Power source		1-phase 208-230 V 60Hz					
Cooling capacity	*1 BTU/h	8,000	12,000	15,000	18,000		
	*1 kW	2.4	3.5	4.4	5.3		
	Power input	0.03	0.03	0.03	0.03		
	Current input	A	0.31	0.31	0.34		
Heating capacity	*2 BTU/h	9,000	13,500	17,000	20,000		
	*2 kW	2.7	4.0	5.0	5.9		
	Power input	0.02	0.02	0.02	0.02		
	Current input	A	0.26	0.26	0.29		
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	10-3/16 × 33-3/32 × 33-3/32		
		mm	258 × 840 × 840	258 × 840 × 840	258 × 840 × 840		
Net weight		lbs (kg)	46 (21)	46 (21)	46 (21)		
Decoration panel	Model	PLP-40EAEU	PLP-40EAEU	PLP-40EAEU	PLP-40EAEU		
	External finish	MUNSELL (6.4Y 8.9/0.4)					
	Dimension	in.	1-9/16 × 37-3/8 × 37-3/8	1-9/16 × 37-3/8 × 37-3/8	1-9/16 × 37-3/8 × 37-3/8		
	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	Turbo fan × 1	
	External static press.	in.WG	0.000 (208V)	0.000 (208V)	0.000 (208V)	0.000 (208V)	
		Pa	0	0	0	0	
		in.WG	0.000 (230V)	0.000 (230V)	0.000 (230V)	0.000 (230V)	
		Pa	0	0	0	0	
	Motor Type		DC motor				
	Motor output	kW	0.05	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)	(Low-Mid2-Mid1-High)
		cfm		494 - 530 - 565 - 600	494 - 530 - 565 - 600	530 - 547 - 565 - 600	530 - 565 - 600 - 636
m ³ /min			14 - 15 - 16 - 17	14 - 15 - 16 - 17	15 - 15.5 - 16 - 17	15 - 16 - 17 - 18	
	L/s		233 - 250 - 267 - 283	233 - 250 - 267 - 283	250 - 258 - 267 - 283	250 - 267 - 283 - 300	
Sound pressure level (measured in anechoic room)				(Low-Mid2-Mid1-High)	(Low-Mid2-Mid1-High)	(Low-Mid2-Mid1-High)	
	dB <A>		27 - 29 - 30 - 31	27 - 29 - 30 - 31	28 - 29 - 30 - 31	28 - 30 - 31 - 32	
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	1/4 (6.35) Flare	1/4 (6.35) Flare	
	Gas (R410A)	inch (mm)	1/2 (12.7) Flare	1/2 (12.7) Flare	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)	O.D. 1-1/4(32)	O.D. 1-1/4(32)	
Drawing	External		BK01V542	BK01V542	BK01V542	BK01V542	
	Wiring		RG79Y808	RG79Y808	RG79Y808	RG79Y808	
	Refrigerant cycle		-	-	-	-	
Standard attachment		Document Accessory Installation Manual, Instruction Book					
Optional parts	3D i-see Sensor panel		PLP-40EAEU	PLP-40EAEU	PLP-40EAEU	PLP-40EAEU	
	Air outlet shutter plate		PAC-SJ37SP-E	PAC-SJ37SP-E	PAC-SJ37SP-E	PAC-SJ37SP-E	
	High efficiency filter element		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	
	Wireless signal receiver		PAR-SR3LA-E	PAR-SR3LA-E	PAR-SR3LA-E	PAR-SR3LA-E	
	External heater adapter		PAC-YU25HT	PAC-YU25HT	PAC-YU25HT	PAC-YU25HT	
	Duct flange for fresh air intake		PAC-SH65OF-E	PAC-SH65OF-E	PAC-SH65OF-E	PAC-SH65OF-E	
Remarks		* 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 × 860 BTU/h = kW × 3,412 cfm = m ³ /min × 35.31 lbs = kg / 0.4536
Outdoor:	95degF D.B. (35degC D.B.)	47degF D.B. / 43degF W.B. (8.3degC D.B. / 6.1degC W.B.)	
Pipe length:	25 ft. (7.6 m)	25 ft. (7.6 m)	
Level difference:	0 ft. (0 m)	0 ft. (0 m)	*Above specification data is subject to rounding variation.

1. SPECIFICATIONS

Indoor units

Model			PLFY-EP24NEMU-E	PLFY-EP30NEMU-E	PLFY-EP36NEMU-E	PLFY-EP48NEMU-E	
Power source			1-phase 208-230 V 60Hz				
Cooling capacity	*1	BTU/h	24,000	30,000	36,000	48,000	
	*1	kW	7.0	8.8	10.6	14.1	
		Power input	kW	0.04	0.04	0.07	0.11
		Current input	A	0.43	0.45	0.73	1.01
Heating capacity	*2	BTU/h	27,000	34,000	40,000	54,000	
	*2	kW	7.9	10.0	11.7	15.8	
		Power input	kW	0.04	0.04	0.07	0.11
		Current input	A	0.38	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	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	298 × 840 × 840	298 × 840 × 840	
Net weight		lbs (kg)	55 (25)	55 (25)	55 (25)	55 (25)	
Decoration panel	Model		PLP-40EAEU	PLP-40EAEU	PLP-40EAEU	PLP-40EAEU	
	External finish		MUNSELL (6.4Y 8.9/0.4)				
	Dimension	in.	1-9/16 × 37-3/8 × 37-3/8	1-9/16 × 37-3/8 × 37-3/8	1-9/16 × 37-3/8 × 37-3/8	1-9/16 × 37-3/8 × 37-3/8	
	H × W × D	mm	40 × 950 × 950	40 × 950 × 950	40 × 950 × 950	40 × 950 × 950	
	Net weight	lbs (kg)	11 (5)	11 (5)	11 (5)	11 (5)	
Heat exchanger			Cross fin				
FAN	Type × Quantity		Turbo fan × 1	Turbo fan × 1	Turbo fan × 1	Turbo fan × 1	
	External static press.	in.WG	0.000 (208V)	0.000 (208V)	0.000 (208V)	0.000 (208V)	
		Pa	0	0	0	0	
		in.WG	0.000 (230V)	0.000 (230V)	0.000 (230V)	0.000 (230V)	
		Pa	0	0	0	0	
	Motor Type		DC motor				
	Motor output	kW	0.12	0.12	0.12	0.12	
	Driving mechanism		Direct-driven				
	Air flow rate			(Low-Mid2-Mid1-High)	(Low-Mid2-Mid1-High)	(Low-Mid2-Mid1-High)	(Low-Mid2-Mid1-High)
		cfm		636 - 671 - 742 - 812	636 - 706 - 777 - 812	777 - 883 - 989 - 1,095	777 - 953 - 1,095 - 1,236
m ³ /min			18 - 19 - 21 - 23	18 - 20 - 22 - 23	22 - 25 - 28 - 31	22 - 27 - 31 - 35	
L/s			300 - 317 - 350 - 383	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)	(Low-Mid2-Mid1-High)	
		dB <A>	28 - 30 - 32 - 34	28 - 31 - 33 - 35	35 - 37 - 39 - 41	36 - 39 - 42 - 45	
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	3/8 (9.52) Flare	3/8 (9.52) Flare	
	Gas (R410A)	inch (mm)	5/8 (15.88) Flare	5/8 (15.88) Flare	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)	O.D. 1-1/4(32)	O.D. 1-1/4(32)	
Drawing	External		BK01V542	BK01V542	BK01V542	BK01V542	
	Wiring		RG79Y808	RG79Y808	RG79Y808	RG79Y808	
	Refrigerant cycle		-	-	-	-	
Standard attachment	Document		Installation Manual, Instruction Book				
	Accessory						
Optional parts	3D i-see Sensor panel		PLP-40EAEU	PLP-40EAEU	PLP-40EAEU	PLP-40EAEU	
	Air outlet shutter plate		PAC-SJ37SP-E	PAC-SJ37SP-E	PAC-SJ37SP-E	PAC-SJ37SP-E	
	High efficiency filter element		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	
	Wireless signal receiver		PAR-SR3LA-E	PAR-SR3LA-E	PAR-SR3LA-E	PAR-SR3LA-E	
	External heater adapter		PAC-YU25HT	PAC-YU25HT	PAC-YU25HT	PAC-YU25HT	
Duct flange for fresh air intake		PAC-SH65OF-E	PAC-SH65OF-E	PAC-SH65OF-E	PAC-SH65OF-E		
Remarks			* 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 × 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 × 3,412
	Pipe length: 25 ft. (7.6 m)	25 ft. (7.6 m)	cfm = m ³ /min × 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

Indoor units

Model		PLFY-P08NEMU-E	PLFY-P12NEMU-E	PLFY-P15NEMU-E	PLFY-P18NEMU-E	
Power source		1-phase 208-230 V 60Hz				
Cooling capacity	*1 BTU/h	8,000	12,000	15,000	18,000	
	*1 kW	2.4	3.5	4.4	5.3	
	Power input	0.02	0.02	0.02	0.02	
	Current input	A	0.25	0.26	0.29	
Heating capacity	*2 BTU/h	9,000	13,500	17,000	20,000	
	*2 kW	2.7	4.0	5.0	5.9	
	Power input	0.02	0.02	0.02	0.02	
	Current input	A	0.20	0.21	0.24	
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	10-3/16 × 33-3/32 × 33-3/32	
		mm	258 × 840 × 840	258 × 840 × 840	258 × 840 × 840	
Net weight		lbs (kg)	42 (19)	42 (19)	42 (19)	
Decoration panel	Model	PLP-40EAU	PLP-40EAU	PLP-40EAU	PLP-40EAU	
	External finish	MUNSELL (6.4Y 8.9/0.4)				
	Dimension	in.	1-9/16 × 37-3/8 × 37-3/8	1-9/16 × 37-3/8 × 37-3/8	1-9/16 × 37-3/8 × 37-3/8	
	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	0.05	0.05	
	Driving mechanism		Direct-driven			
	Air flow rate			(Low-Mid2-Mid1-High)	(Low-Mid2-Mid1-High)	(Low-Mid2-Mid1-High)
		cfm		424 - 459 - 494 - 530	459 - 494 - 530 - 565	459 - 494 - 530 - 600
m ³ /min			12 - 13 - 14 - 15	13 - 14 - 15 - 16	13 - 14 - 15 - 17	
	L/s		200 - 217 - 233 - 250	217 - 233 - 250 - 267	217 - 233 - 250 - 283	
Sound pressure level (measured in anechoic room)				(Low-Mid2-Mid1-High)	(Low-Mid2-Mid1-High)	
	dB <A>		27 - 29 - 30 - 31	27 - 29 - 30 - 31	28 - 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	1/4 (6.35) Flare	
	Gas (R410A)	inch (mm)	1/2 (12.7) Flare	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)	O.D. 1-1/4(32)	
Drawing	External		BK01V542	BK01V542	BK01V542	
	Wiring		RG79Y808	RG79Y808	RG79Y808	
	Refrigerant cycle		-	-	-	
Standard attachment		Document Accessory Installation Manual, Instruction Book				
Optional parts	Grille		PLP-40EAU	PLP-40EAU	PLP-40EAU	
	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-SR3LA-E	PAR-SR3LA-E	PAR-SR3LA-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		* 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 × 860 BTU/h = kW × 3,412
Outdoor:	95degF D.B. (35degC D.B.)	47degF D.B. / 43degF W.B. (8.3degC D.B. / 6.1degC W.B.)	cfm = m ³ /min × 35.31 lbs = kg / 0.4536
Pipe length:	25 ft. (7.6 m)	25 ft. (7.6 m)	
Level difference:	0 ft. (0 m)	0 ft. (0 m)	*Above specification data is subject to rounding variation.

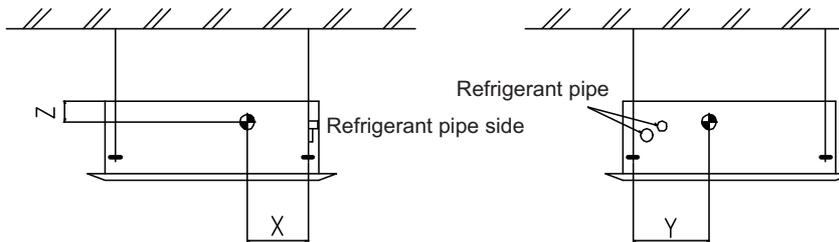
1. SPECIFICATIONS

Indoor units

Model			PLFY-P24NEMU-E	PLFY-P30NEMU-E	PLFY-P36NEMU-E	PLFY-P48NEMU-E	
Power source			1-phase 208-230 V 60Hz				
Cooling capacity	*1	BTU/h	24,000	30,000	36,000	48,000	
	*1	kW	7.0	8.8	10.6	14.1	
		Power input	kW	0.04	0.05	0.08	0.10
		Current input	A	0.41	0.56	0.90	0.99
Heating capacity	*2	BTU/h	27,000	34,000	40,000	54,000	
	*2	kW	7.9	10.0	11.7	15.8	
		Power input	kW	0.04	0.05	0.08	0.10
		Current input	A	0.36	0.51	0.85	0.94
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	11-3/4 × 33-3/32 × 33-3/32	11-3/4 × 33-3/32 × 33-3/32	
		mm	258 × 840 × 840	258 × 840 × 840	298 × 840 × 840	298 × 840 × 840	
Net weight		lbs (kg)	46 (21)	46 (21)	51 (23)	55 (25)	
Decoration panel	Model		PLP-40EAU	PLP-40EAU	PLP-40EAU	PLP-40EAU	
	External finish		MUNSELL (6.4Y 8.9/0.4)				
	Dimension	in.	1-9/16 × 37-3/8 × 37-3/8	1-9/16 × 37-3/8 × 37-3/8	1-9/16 × 37-3/8 × 37-3/8	1-9/16 × 37-3/8 × 37-3/8	
	H × W × D	mm	40 × 950 × 950	40 × 950 × 950	40 × 950 × 950	40 × 950 × 950	
	Net weight	lbs (kg)	11 (5)	11 (5)	11 (5)	11 (5)	
Heat exchanger			Cross fin				
FAN	Type × Quantity		Turbo fan × 1	Turbo fan × 1	Turbo fan × 1	Turbo fan × 1	
	External static press.	in.WG	0.000 (208V)	0.000 (208V)	0.000 (208V)	0.000 (208V)	
		Pa	0	0	0	0	
		in.WG	0.000 (230V)	0.000 (230V)	0.000 (230V)	0.000 (230V)	
		Pa	0	0	0	0	
	Motor Type		DC motor				
	Motor output	kW	0.05	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)	(Low-Mid2-Mid1-High)
		cfm		494 - 565 - 671 - 777	494 - 600 - 742 - 883	706 - 883 - 1,059 - 1,201	742 - 918 - 1,059 - 1,236
m ³ /min			14 - 16 - 19 - 22	14 - 17 - 21 - 25	20 - 25 - 30 - 34	21 - 26 - 30 - 35	
L/s			233 - 267 - 317 - 367	233 - 283 - 350 - 417	333 - 417 - 500 - 567	350 - 433 - 500 - 583	
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>	28 - 31 - 34 - 37	28 - 32 - 35 - 38	35 - 38 - 41 - 44	36 - 39 - 42 - 45	
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	3/8 (9.52) Flare	3/8 (9.52) Flare	
	Gas (R410A)	inch (mm)	5/8 (15.88) Flare	5/8 (15.88) Flare	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)	O.D. 1-1/4(32)	O.D. 1-1/4(32)	
Drawing	External		BK01V542	BK01V542	BK01V542	BK01V542	
	Wiring		RG79Y808	RG79Y808	RG79Y808	RG79Y808	
	Refrigerant cycle		-	-	-	-	
Standard attachment		Document	Installation Manual, Instruction Book				
Accessory							
Optional parts	Grille		PLP-40EAU	PLP-40EAU	PLP-40EAU	PLP-40EAU	
	Air outlet shutter plate		PAC-SJ37SP-E	PAC-SJ37SP-E	PAC-SJ37SP-E	PAC-SJ37SP-E	
	High efficiency filter element		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	
	Wireless signal receiver		PAR-SR3LA-E	PAR-SR3LA-E	PAR-SR3LA-E	PAR-SR3LA-E	
	External heater adapter		PAC-YU25HT	PAC-YU25HT	PAC-YU25HT	PAC-YU25HT	
	Duct flange for fresh air intake		PAC-SH65OF-E	PAC-SH65OF-E	PAC-SH65OF-E	PAC-SH65OF-E	
Remarks			* 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 × 860 BTU/h = kW × 3,412 cfm = m ³ /min × 35.31 lbs = kg / 0.4536
	Outdoor: 95degF D.B. (35degC D.B.)	47degF D.B. / 43degF W.B. (8.3degC D.B. / 6.1degC W.B.)	
	Pipe length: 25 ft. (7.6 m)	25 ft. (7.6 m)	
	Level difference: 0 ft. (0 m)	0 ft. (0 m)	*Above specification data is subject to rounding variation.

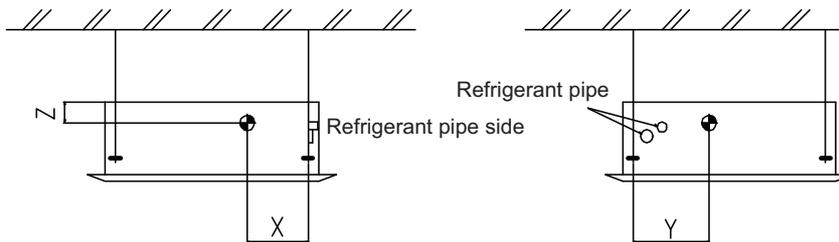
PLFY-P05, 08, 12, 15, 18NFMU-E



(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-(E)P08, 12, 15, 18, 24, 30, 36, 48NEMU-E



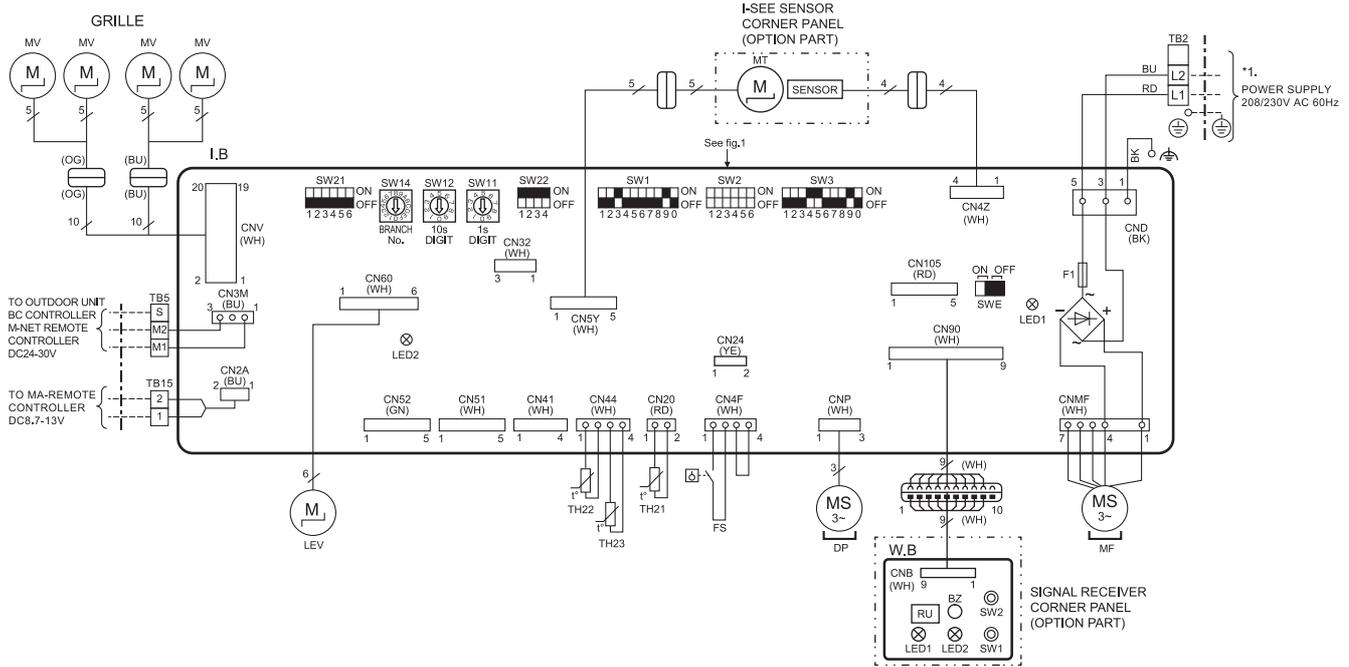
(mm)[in]

Model name	X	Y	Z
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-E	325 [12-13/16]	390 [15-3/8]	115 [4-17/32]
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]

(mm)[in]

Model name	X	Y	Z
PLFY-P08NEMU-E	325 [12-13/16]	390 [15-3/8]	115 [4-17/32]
PLFY-P12NEMU-E	325 [12-13/16]	390 [15-3/8]	115 [4-17/32]
PLFY-P15NEMU-E	325 [12-13/16]	390 [15-3/8]	115 [4-17/32]
PLFY-P18NEMU-E	325 [12-13/16]	390 [15-3/8]	115 [4-17/32]
PLFY-P24NEMU-E	325 [12-13/16]	390 [15-3/8]	115 [4-17/32]
PLFY-P30NEMU-E	325 [12-13/16]	390 [15-3/8]	115 [4-17/32]
PLFY-P36NEMU-E	325 [12-13/16]	380 [14-31/32]	100 [3-15/16]
PLFY-P48NEMU-E	325 [12-13/16]	380 [14-31/32]	100 [3-15/16]

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 [switch diagram]	P15	ON OFF [switch diagram]
P08	ON OFF [switch diagram]	P18	ON OFF [switch diagram]
P12	ON OFF [switch diagram]		

The black square (■) indicates a switch position.

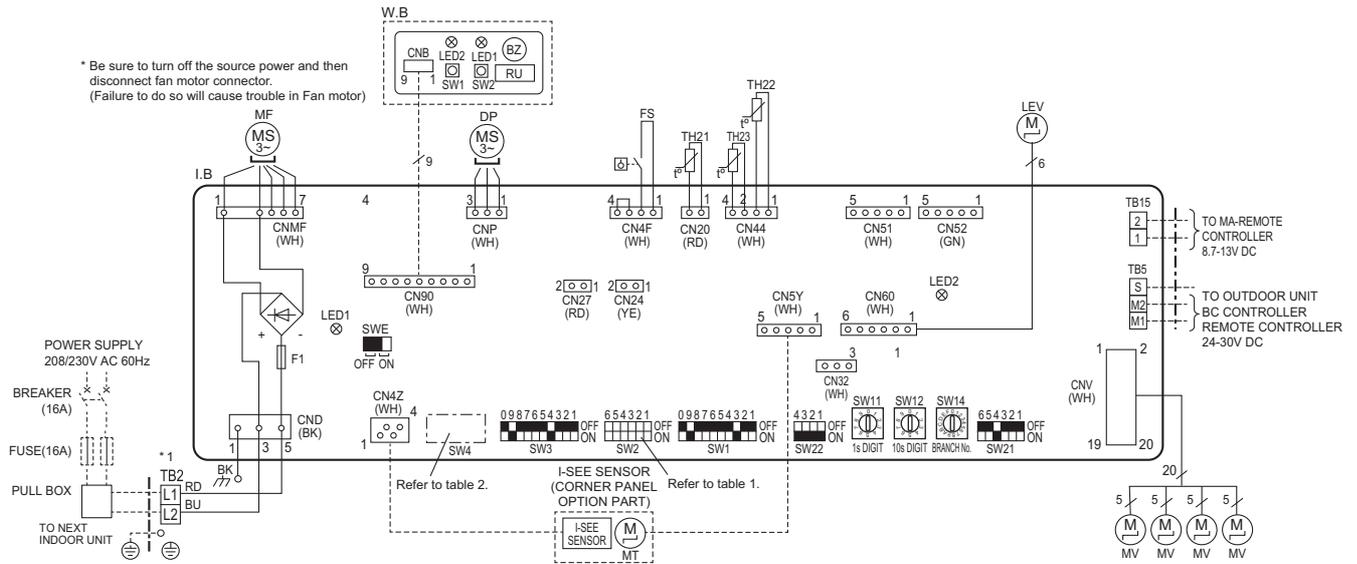
Notes:

- 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-P-NFMU-E, (E)P-NEMU-E

PLFY-EP08, 12, 15, 18, 24, 30, 36, 48NEMU-E



<Table 1> SW2 (CAPACITY CODE)

MODELS	SW2	MODELS	SW2
08		24	
12		30	
15		36	
18		48	

<Table 2> SW4 (MODEL SELECTION)

MODELS	SW equipped
PLFY-EP- NEMU-E	

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-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 and SW4 differs in the capacity and model. For the detail, refer the table 1 and 2.
- Make sure to turn off the indoor and the outdoor units before replacing indoor controller board.
- is the switch position.
- Use copper supply wires.
- Utilisez des fils d'alimentation en cuivre.

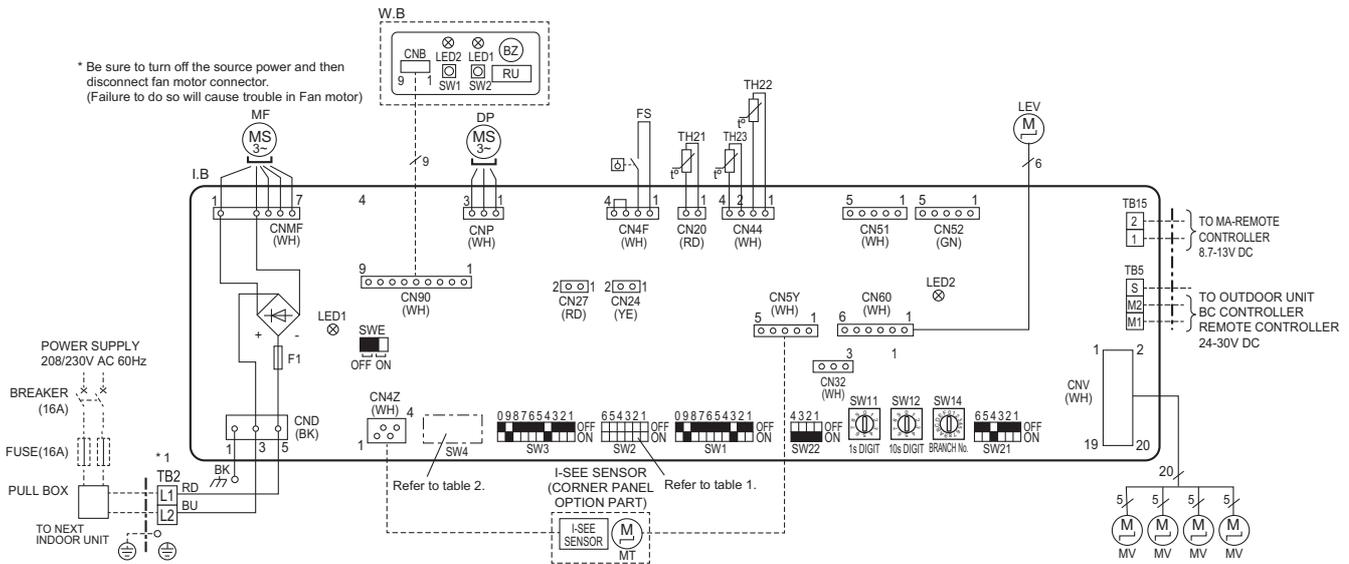
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SYMBOL	NAME	SYMBOL	NAME
I.B	INDOOR CONTROLLER BOARD	TH22	THERMISTOR PIPE TEMP. DETECTION / LIQUID (32°F/15kΩ, 77°F/5.4kΩ)
F1	FUSE (UL 6.3A 250V AC)	TH23	PIPE TEMP. DETECTION / GAS (32°F/15kΩ, 77°F/5.4kΩ)
CN24	CONNECTOR EXTERNAL HEATER		
CN27	CONNECTOR DAMPER		
CN32	CONNECTOR REMOTE SWITCH	MF	FAN MOTOR
CN51	CONNECTOR CENTRALLY CONTROL	MV	VANE MOTOR
CN52	CONNECTOR REMOTE INDICATION	MT	I-SEE SENSOR MOTOR
SW1	SWITCH MODE SELECTION	DP	DRAIN PUMP
SW2	SWITCH CAPACITY CODE	FS	DRAIN FLOAT SWITCH
SW3	SWITCH MODE SELECTION	TB2	TERMINAL POWER SUPPLY
SW4	SWITCH MODEL SELECTION	TB5	TERMINAL TRANSMISSION
SW11	SWITCH ADDRESS SETTING 1s DIGIT	TB15	TERMINAL MA-REMOTE CONTROLLER
SW12	SWITCH ADDRESS SETTING 10s DIGIT	LEV	LINEAR EXPANSION VALVE
SW14	SWITCH BRANCH NO.		
SW21	SWITCH CEILING HEIGHT/DISCHARGE OUTLET NUMBER/OPTION SELECTOR	OPTION PART	
SW22	SWITCH PAIR NO. SETTING	W.B	PCB FOR WIRELESS REMOTE CONTROLLER
SWE	SWITCH DRAIN PUMP (TEST MODE)	BZ	BUZZER
		LED1	LED (OPERATION INDICATION : GREEN)
		LED2	LED (PREPARATION FOR HEATING : ORANGE)
		RU	RECEIVING UNIT
TH21	THERMISTOR ROOM TEMP. DETECTION (32°F/15kΩ, 77°F/5.4kΩ)	SW1	EMERGENCY OPERATION (HEAT / DOWN)
		SW2	EMERGENCY OPERATION (COOL / UP)

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 power on → lamp is lit

PLFY-P08, 12, 15, 18, 24, 30, 36, 48NEMU-E



<Table 1> SW2 (CAPACITY CODE)

MODELS	ON	OFF	MODELS	ON	OFF
08			24		
12			30		
15			36		
18			48		

<Table 2> SW4 (MODEL SELECTION)

MODELS	ON	OFF
PLFY-P-NEMU-E		

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 and SW4 differs in the capacity and model. For the detail, refer the table 1 and 2.
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.
- *1. Utilisez des fils d'alimentation en cuivre.

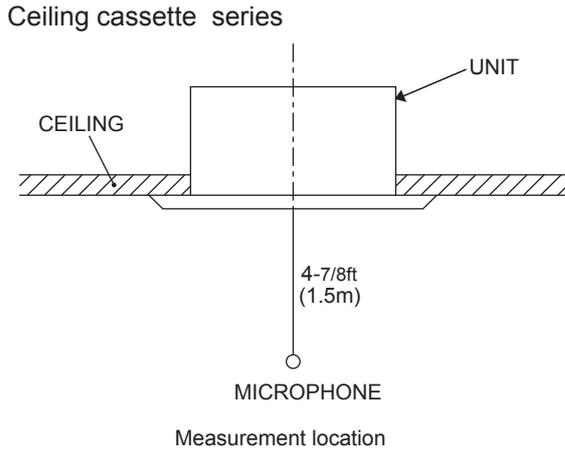
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SYMBOL	NAME	SYMBOL	NAME
I. B	INDOOR CONTROLLER BOARD	TH22	THERMISTOR PIPE TEMP. DETECTION / LIQUID (32°F/15kΩ, 77°F/5.4kΩ)
F1	FUSE (UL 6.3A 250V AC)	TH23	PIPE TEMP. DETECTION / GAS (32°F/15kΩ, 77°F/5.4kΩ)
CN24	CONNECTOR EXTERNAL HEATER		
CN27	DAMPER		
CN32	REMOTE SWITCH	MF	FAN MOTOR
CN51	CENTRALLY CONTROL	MV	VANE MOTOR
CN52	REMOTE INDICATION	MT	I-SEE SENSOR MOTOR
SW1	SWITCH MODE SELECTION	DP	DRAIN PUMP
SW2	CAPACITY CODE	FS	DRAIN FLOAT SWITCH
SW3	MODE SELECTION	TB2	TERMINAL POWER SUPPLY
SW4	MODE SELECTION	TB5	BLOCK TRANSMISSION
SW11	ADDRESS SETTING 1s DIGIT	TB15	MA-REMOTE CONTROLLER
SW12	ADDRESS SETTING 10s DIGIT	LEV	LINEAR EXPANSION VALVE
SW14	BRANCH NO.		
SW21	CEILING HEIGHT/DISCHARGE OUTLET NUMBER/OPTION SELECTOR	OPTION PART	
SW22	PAIR NO. SETTING	W. B	PCB FOR WIRELESS REMOTE CONTROLLER
SWE	DRAIN PUMP (TEST MODE)	BZ	BUZZER
TH21	THERMISTOR ROOM TEMP. DETECTION (32°F/15kΩ, 77°F/5.4kΩ)	LED1	LED (OPERATION INDICATION : GREEN)
		LED2	LED (PREPARATION FOR HEATING : ORANGE)
		RU	RECEIVING UNIT
		SW1	EMERGENCY OPERATION (HEAT / DOWN)
		SW2	EMERGENCY OPERATION (COOL / UP)

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



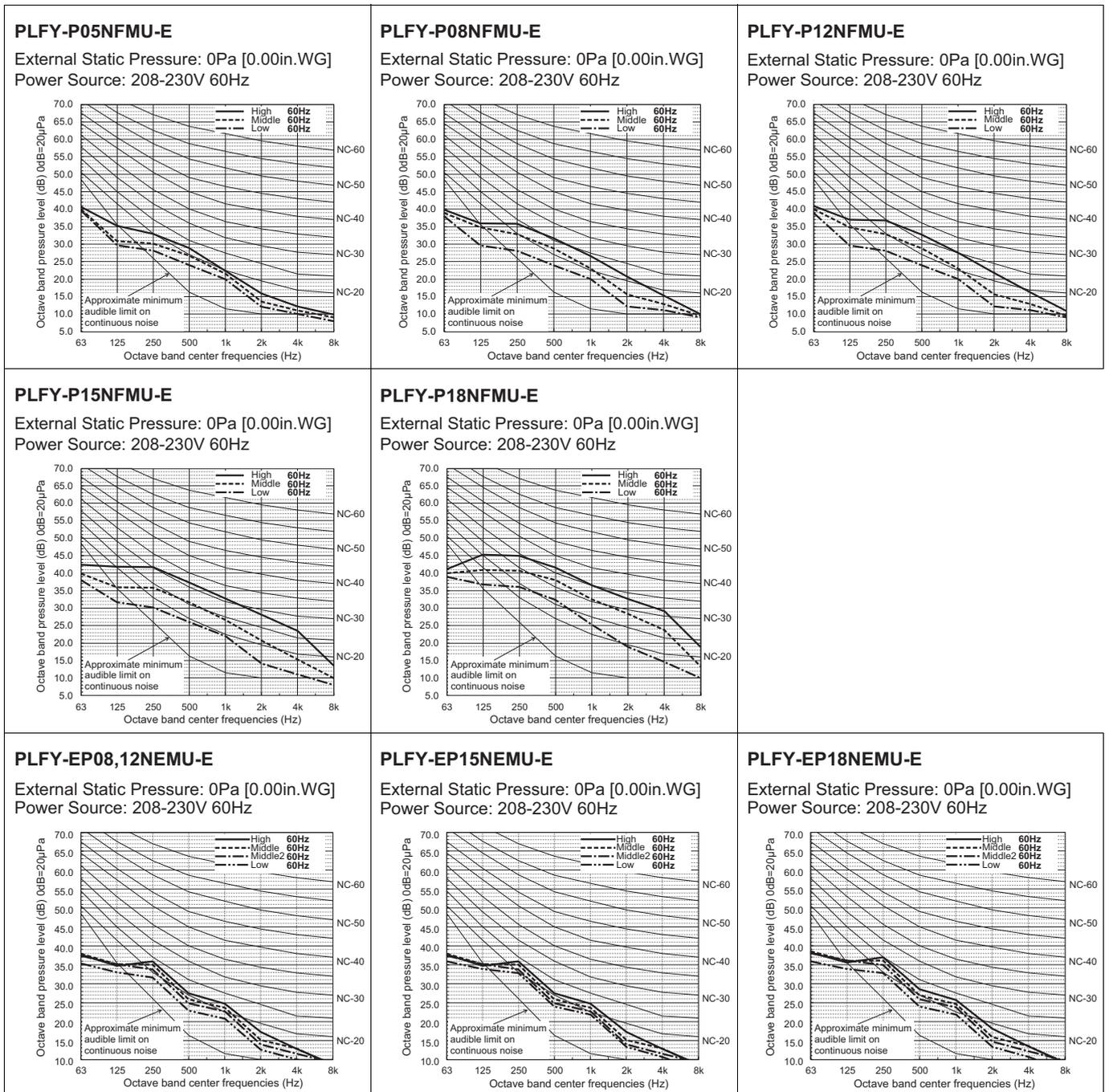
Operating sound levels (Low-Mid-High)

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-EP08NEMU-E	27-29-30-31
PLFY-EP12NEMU-E	27-29-30-31
PLFY-EP15NEMU-E	28-29-30-31
PLFY-EP18NEMU-E	28-30-31-32
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
PLFY-P08NEMU-E	27-29-30-31
PLFY-P12NEMU-E	27-29-30-31
PLFY-P15NEMU-E	28-29-30-31
PLFY-P18NEMU-E	28-30-31-32
PLFY-P24NEMU-E	28-31-34-37
PLFY-P30NEMU-E	28-32-35-38
PLFY-P36NEMU-E	35-38-41-44
PLFY-P48NEMU-E	36-39-42-45

5-2. NC curves



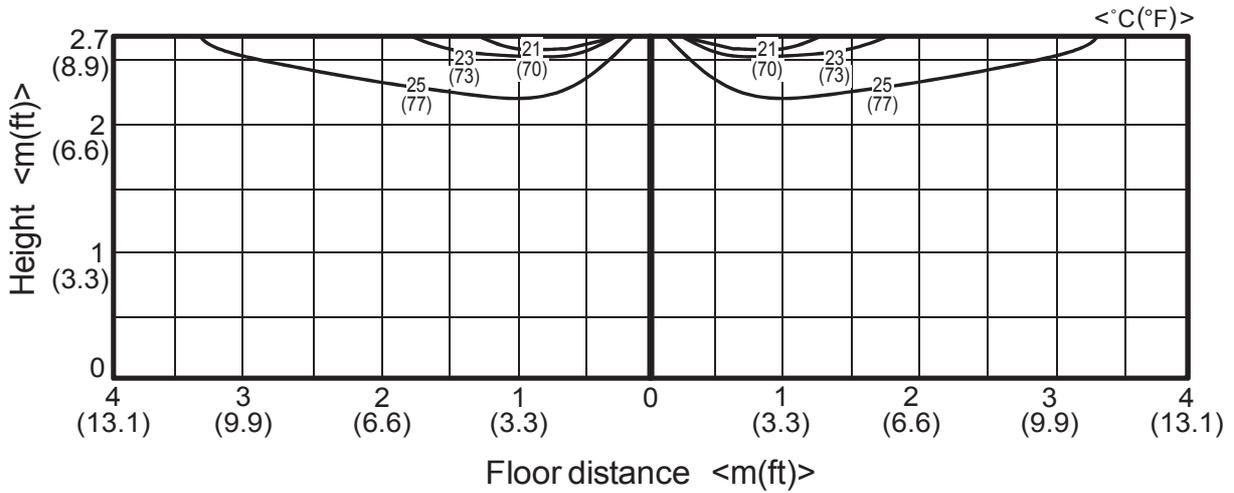
6-1. Temperature distributions

PLFY-P05-18NFMU-E

<Cooling mode>

Horizontal

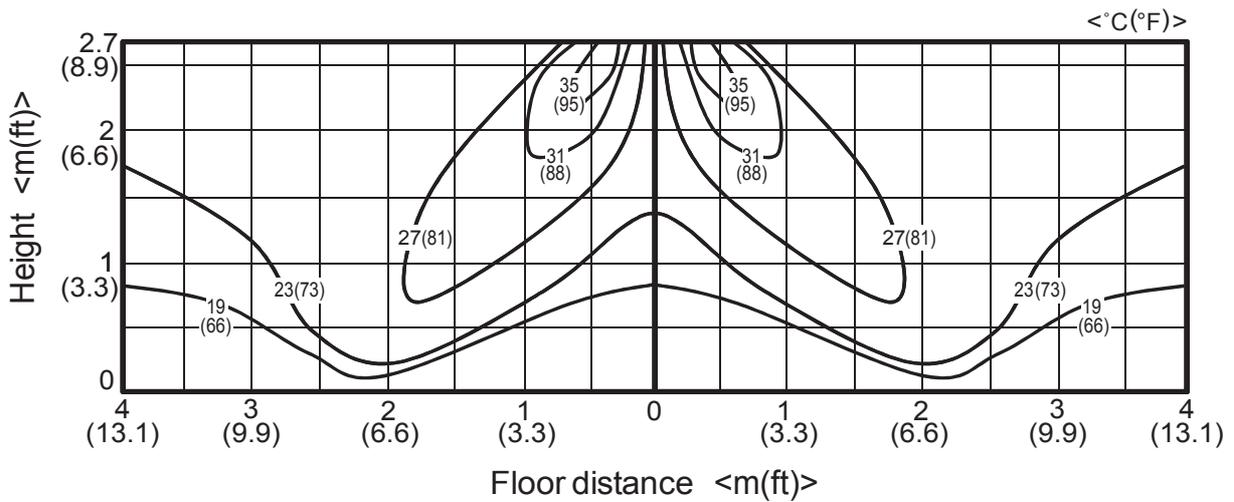
Ceiling height : 2.7m (8.9ft)



<Heating mode>

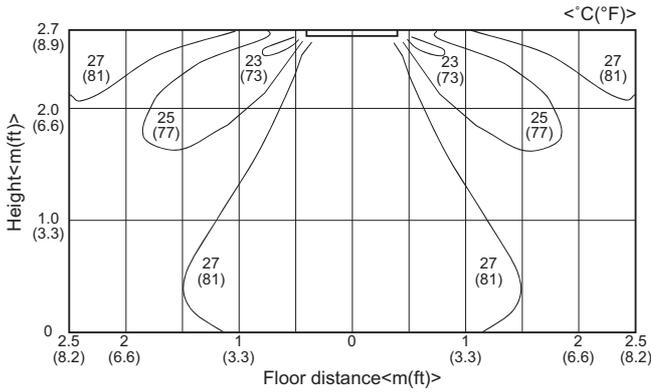
Downward

Ceiling height : 2.7m (8.9ft)

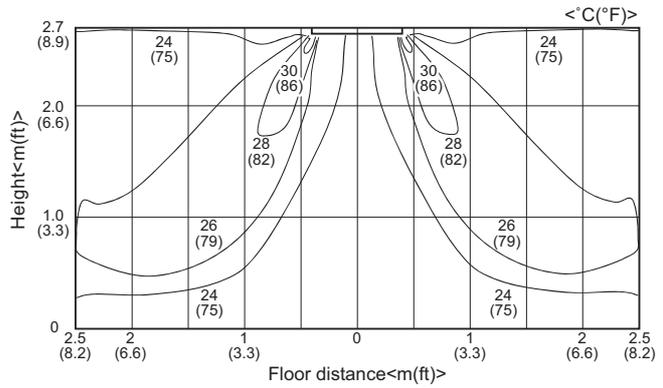


Note : These figures show typical temperature distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load, obstacles, etc.

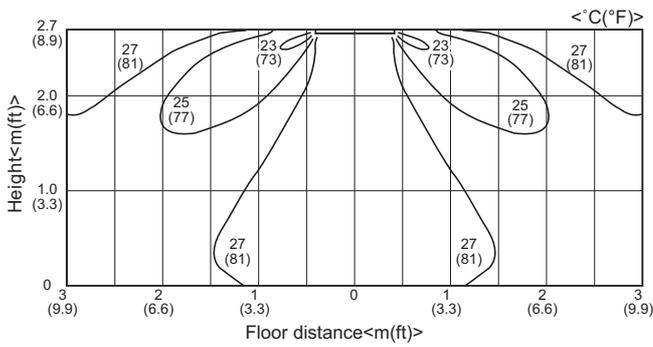
PLFY-(E)P08, 12NEMU-E
 <Cooling mode>Standard
 Flow angle: 30° 4-way flow
 ceiling height: 2.7m(8.9ft)



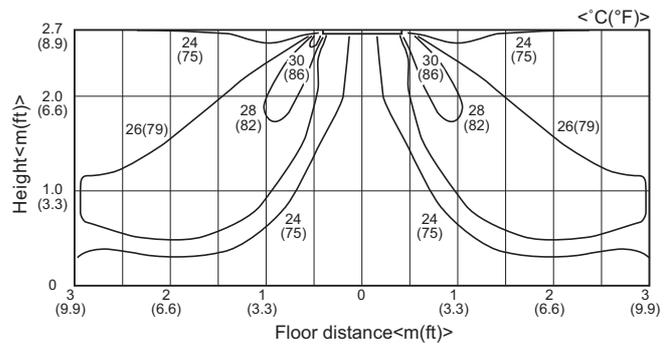
<Heating mode> Standard
 Flow angle: 60° 4-way flow
 ceiling height: 2.7m(8.9ft)



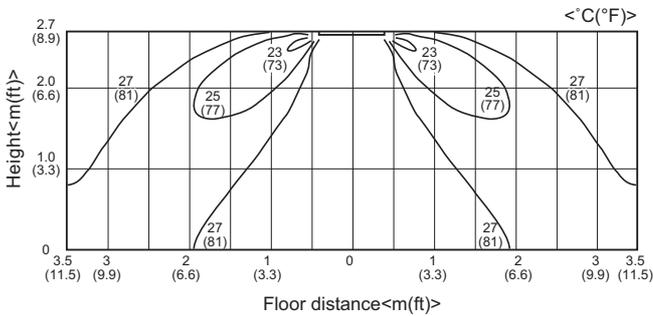
PLFY-(E)P15NEMU-E
 <Cooling mode>Standard
 Flow angle: 30° 4-way flow
 ceiling height: 2.7m(8.9ft)



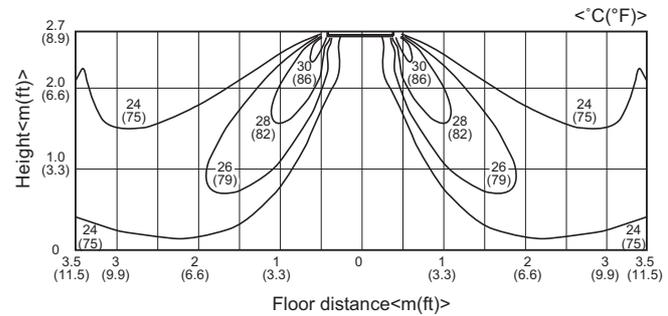
<Heating mode>Standard
 Flow angle: 60° 4-way flow
 ceiling height: 2.7m(8.9ft)



PLFY-(E)P18NEMU-E
 <Cooling mode>Standard
 Flow angle: 30° 4-way flow
 ceiling height: 2.7m(8.9ft)



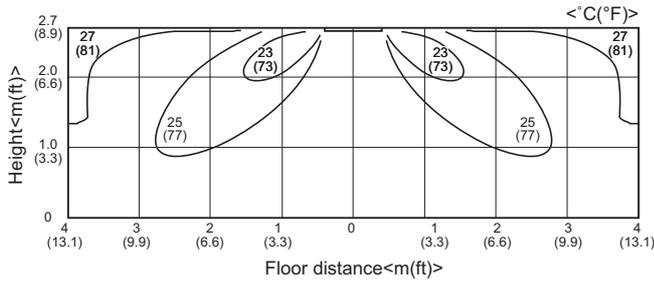
<Heating mode>Standard
 Flow angle: 60° 4-way flow
 ceiling height: 2.7m(8.9ft)



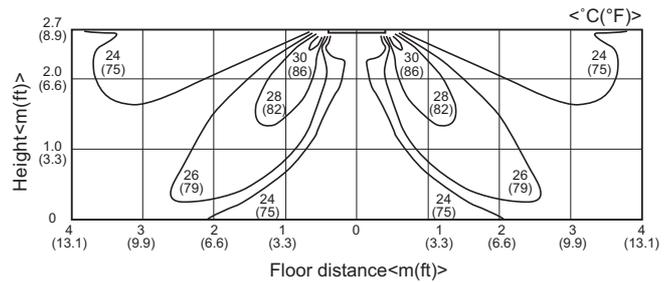
Note : These figures show typical temperature distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load, obstacles, etc.

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

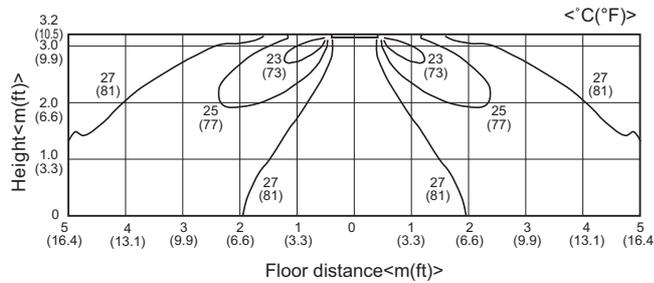
PLFY-(E)P24, 30NEMU-E
 <Cooling mode>Standard
 Flow angle: 30° 4-way flow
 ceiling height: 2.7m(8.9ft)



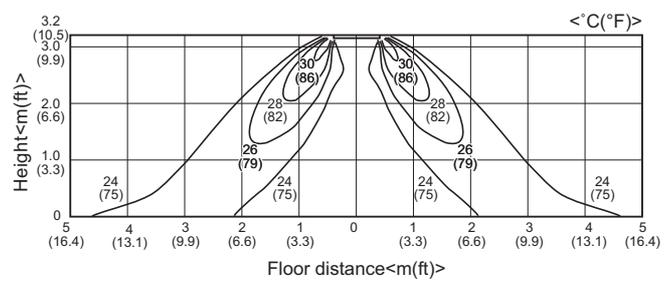
<Heating mode>Standard
 Flow angle: 60° 4-way flow
 ceiling height: 2.7m(8.9ft)



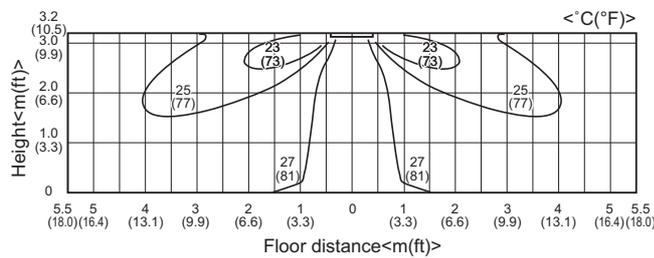
PLFY-(E)P36NEMU-E
 <Cooling mode>Standard
 Flow angle: 30° 4-way flow
 ceiling height: 3.2m(10.5ft)



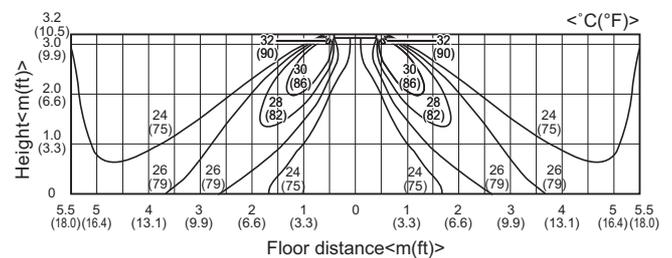
<Heating mode>Standard
 Flow angle: 60° 4-way flow
 ceiling height: 3.2m(10.5ft)



PLFY-(E)P48NEMU-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.

PLFY-P-NFUMU-E, (E)P-NEMU-E

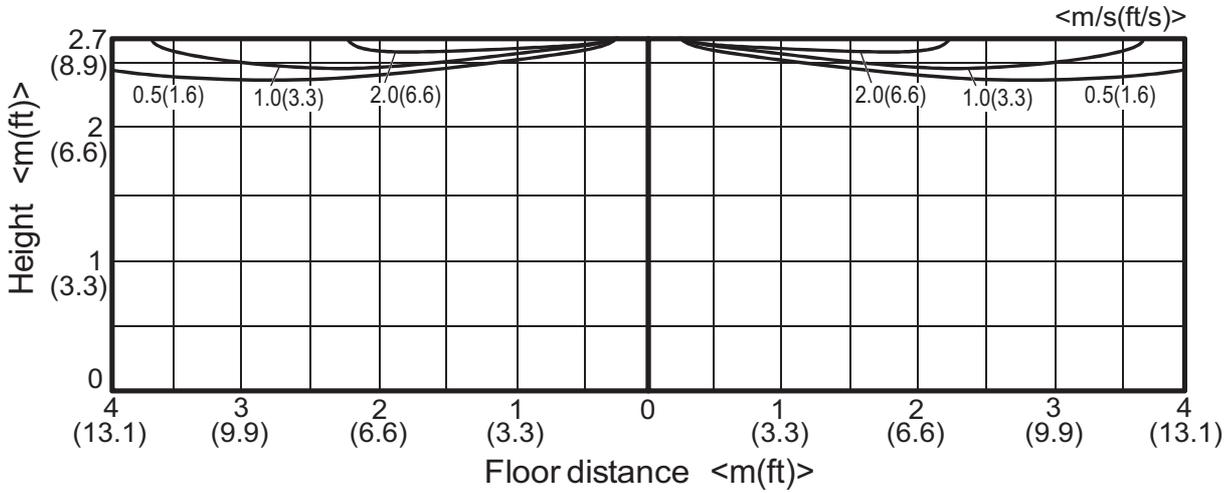
6-2. Airflow distributions

PLFY-P05-18NFMU-E

<Cooling mode>

Horizontal

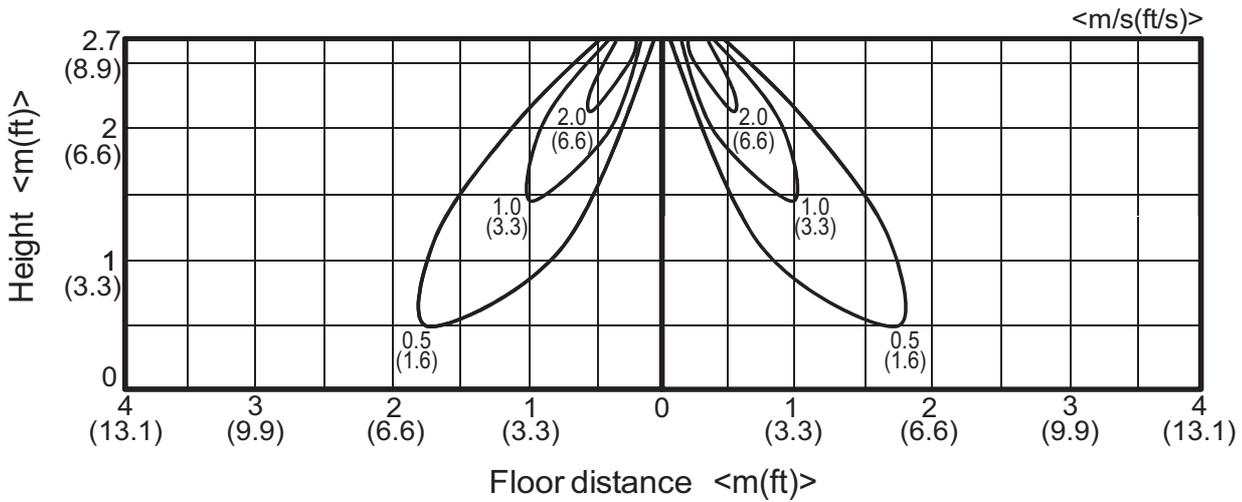
Ceiling height : 2.7m (8.9ft)



<Heating mode>

Downward

Ceiling height : 2.7m (8.9ft)



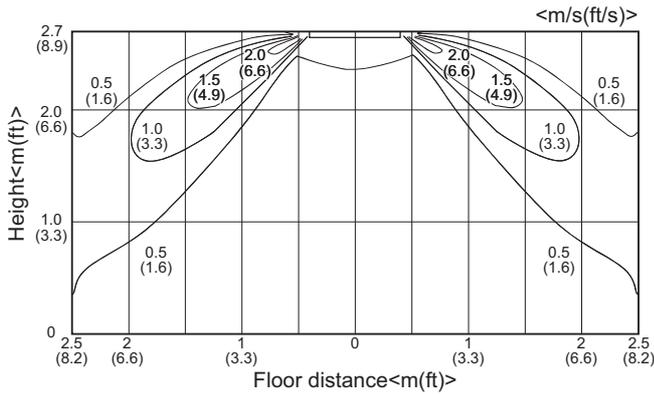
Note : These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load, obstacles, etc.

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

PLFY-(E)P08, 12NEMU-E

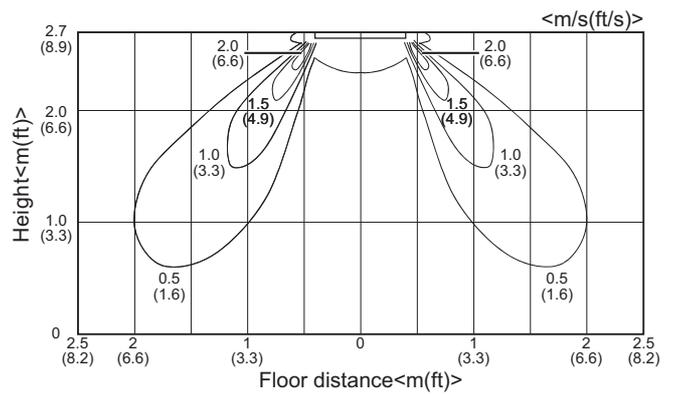
<Cooling mode>

Flow angle: 30°



<Heating mode>

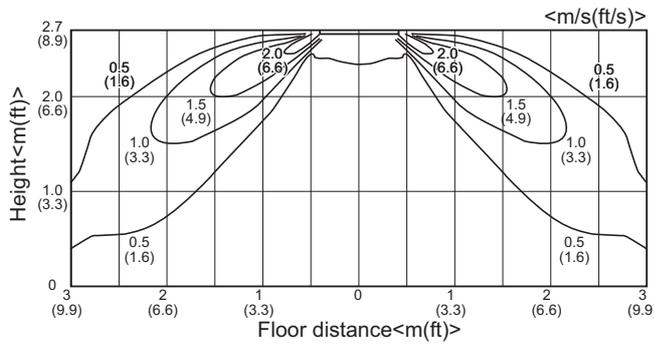
Flow angle: 60°



PLFY-(E)P15NEMU-E

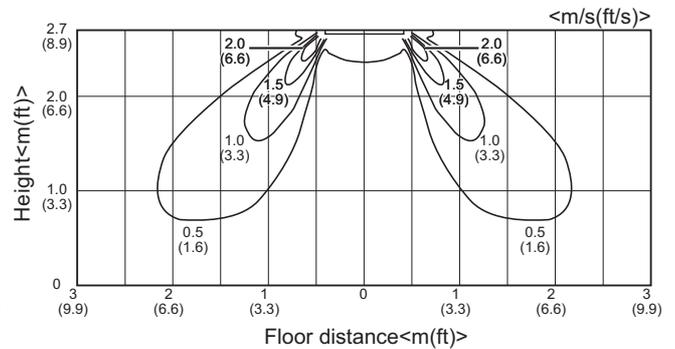
<Cooling mode>

Flow angle: 30°



<Heating mode>

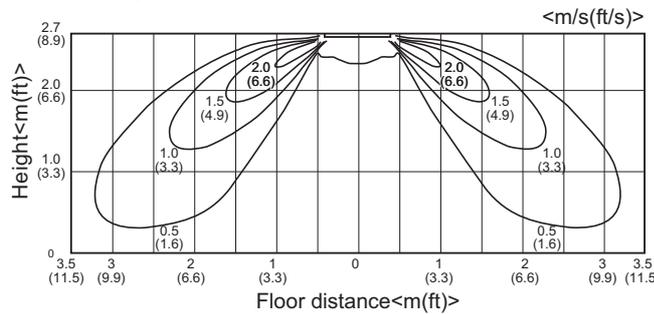
Flow angle: 60°



PLFY-(E)P18NEMU-E

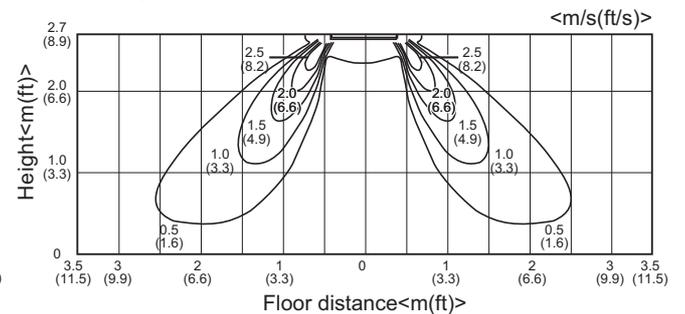
<Cooling mode>

Flow angle: 30°



<Heating mode>

Flow angle: 60°



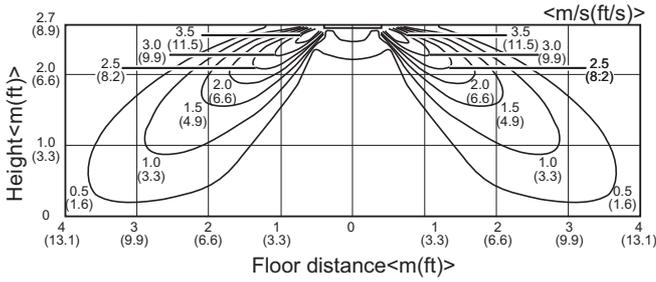
Note : These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load, obstacles, etc.

PLFY-P-NEMU-E, (E)-P-NEMU-E

PLFY-(E)P24, 30NEMU-E

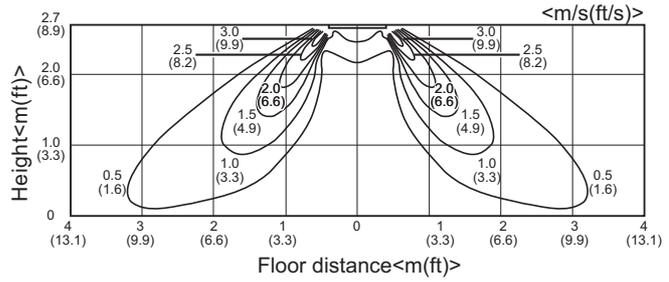
<Cooling mode>

Flow angle: 30°



<Heating mode>

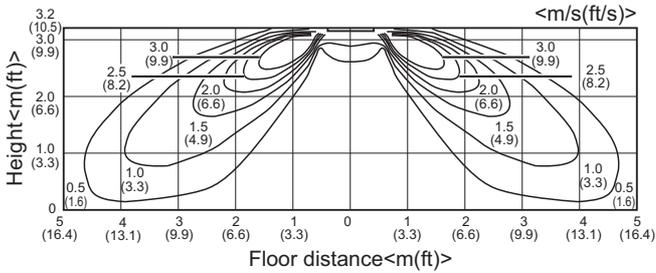
Flow angle: 60°



PLFY-(E)P36NEMU-E

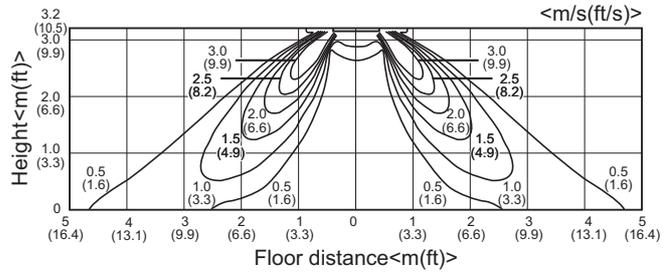
<Cooling mode>

Flow angle: 30°



<Heating mode>

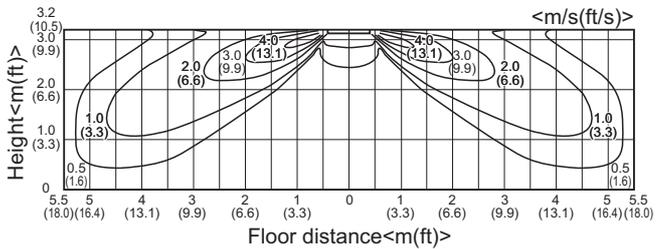
Flow angle: 60°



PLFY-(E)P48NEMU-E

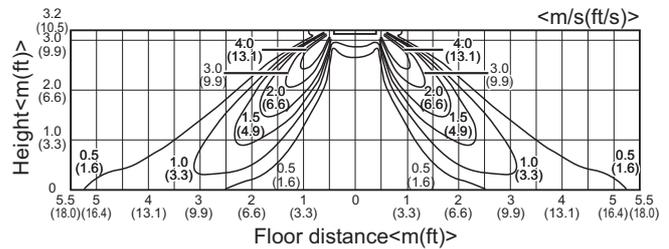
<Cooling mode>

Flow angle: 30°



<Heating mode>

Flow angle: 60°

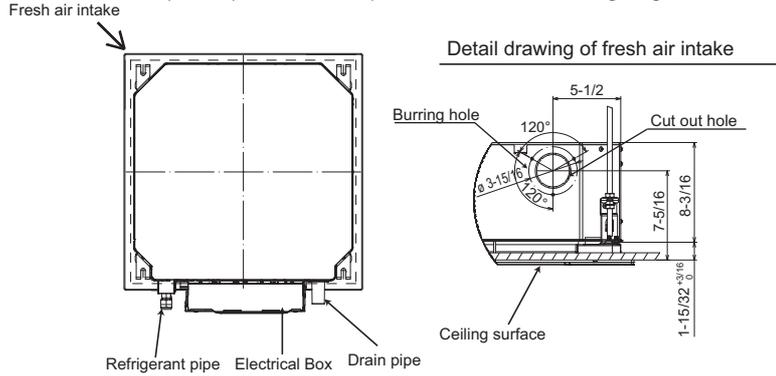


Note : These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load, obstacles, etc.

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

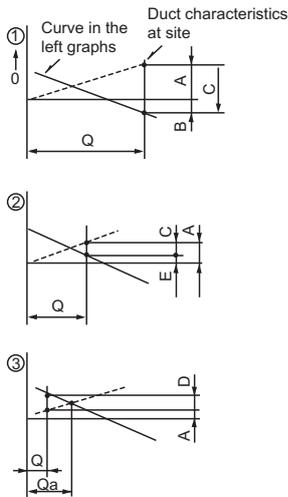
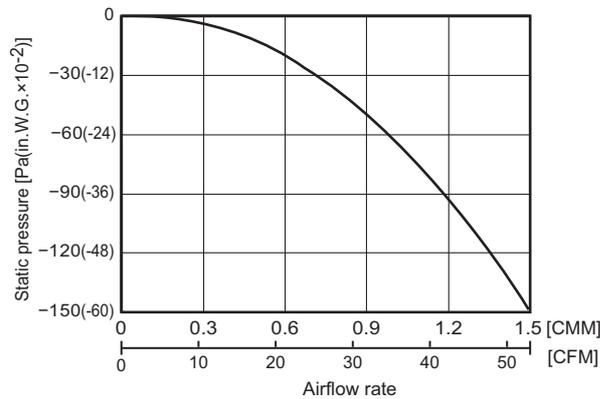
● PLFY-P05, 08, 12, 15, 18NFMU-E

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. x 10⁻²)>
- B...Forced static pressure at air conditioner inlet with air flow amount Q <Pa (in.W.G. x 10⁻²)>
- C...Static pressure of booster fan with air flow amount Q <Pa (in.W.G. x 10⁻²)>
- D...Static pressure loss increase amount of fresh air intake duct system for air flow amount Q <Pa (in.W.G. x 10⁻²)>
- E...Static pressure of indoor unit with air flow amount Q <Pa (in.W.G. x 10⁻²)>
- 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.

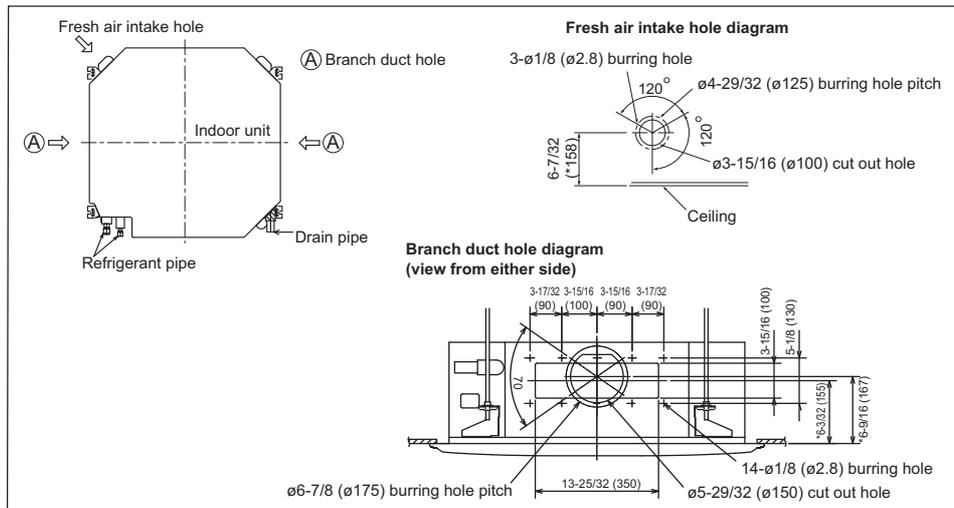
● PLFY-(E)P08, 12, 15, 18, 24, 30, 36, 48NEMU-E

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.

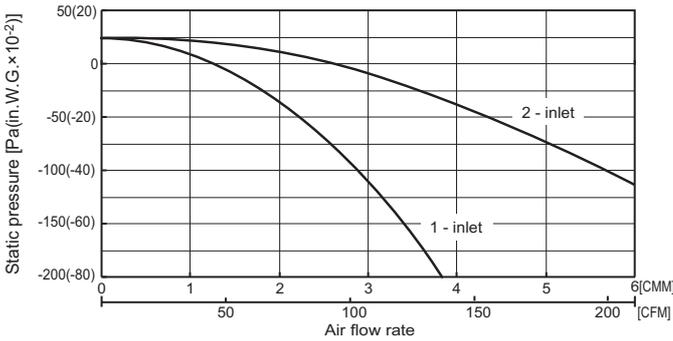
Unit : in (mm)



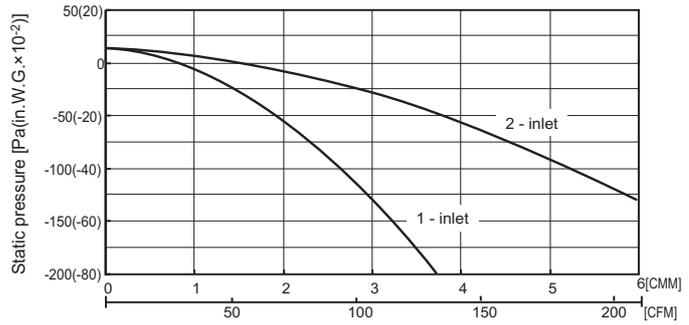
PLFY-P-NFMU-E, (E)P-NEMU-E

● PLFY-EP08, 12, 15, 18, 24, 30NEMU-E

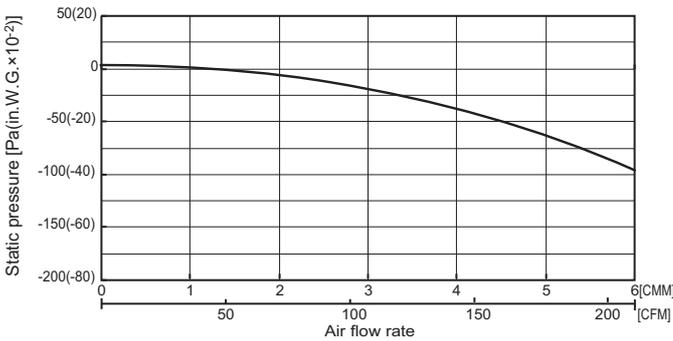
Multifunction casement + High efficiency filter



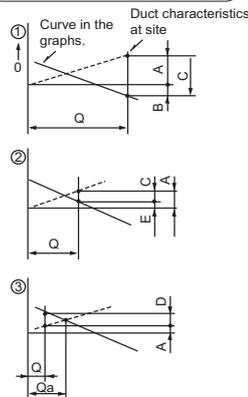
Multifunction casement + Standard filter



Taking air into the unit



How to read curves

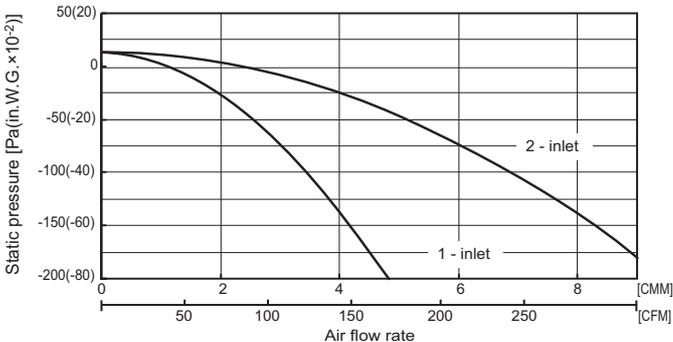


- Q...Designed amount of fresh air intake <CMM (CFM)>
- A...Static pressure loss of fresh air intake duct system with air flow amount Q <Pa (in.W.G. x 10⁻²)>
- B...Forced static pressure at air conditioner inlet with air flow amount Q <Pa (in.W.G. x 10⁻²)>
- C...Static pressure of booster fan with air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

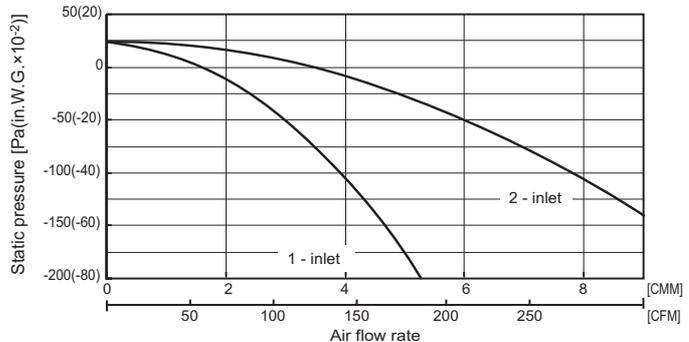
PLFY-P-NFMU-E, (E)P-NEMU-E

● PLFY-EP36, 48NEMU-E

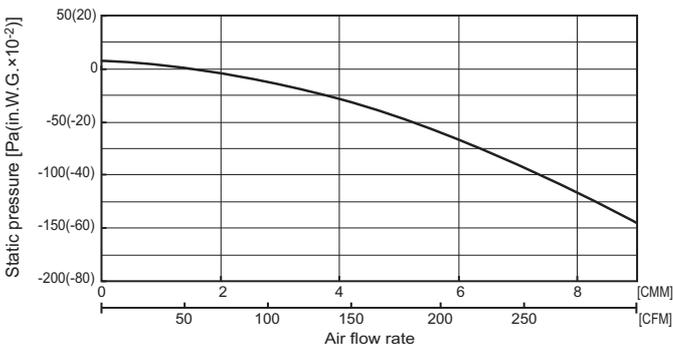
Multifunction casement + Standard filter



Multifunction casement + High efficiency filter

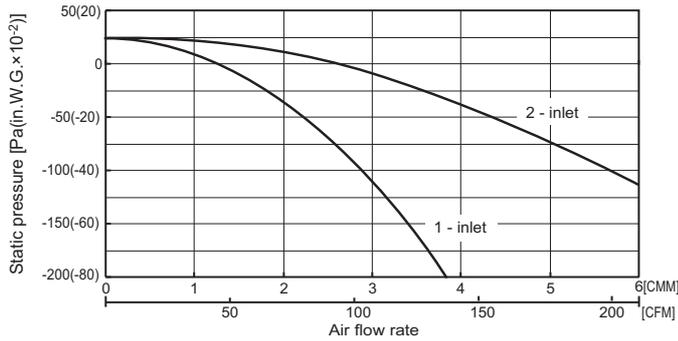


Taking air into the unit

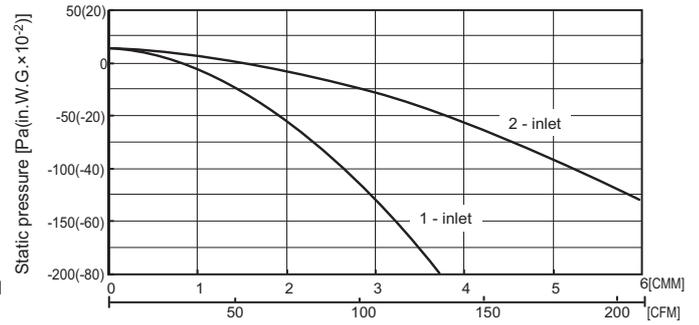


● PLFY-P08, 12, 15, 18, 24, 30NEMU-E

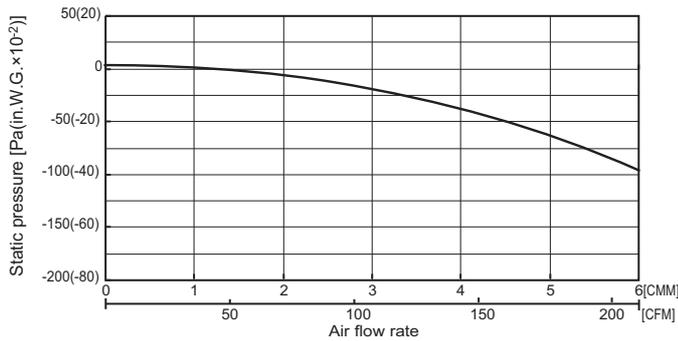
Multifunction casement + High efficiency filter



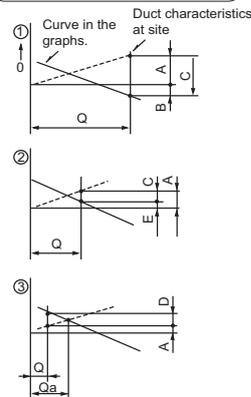
Multifunction casement + Standard filter



Taking air into the unit



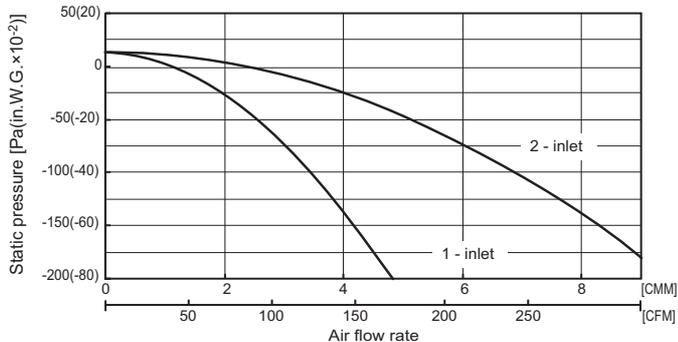
How to read curves



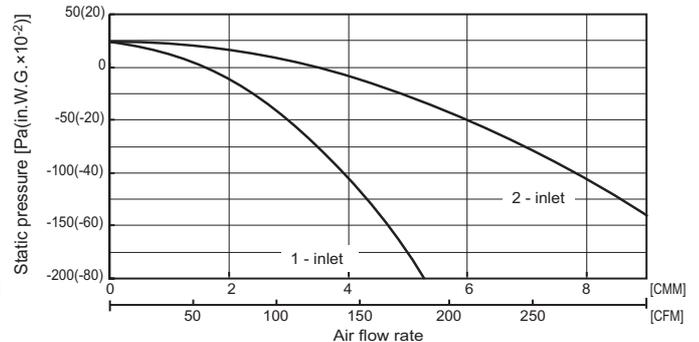
- Q...Designed amount of fresh air intake <CMM (CFM)>
- A...Static pressure loss of fresh air intake duct system with air flow amount Q <Pa (in.W.G. x 10⁻²)>
- B...Forced static pressure at air conditioner inlet with air flow amount Q <Pa (in.W.G. x 10⁻²)>
- C...Static pressure of booster fan with air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

● PLFY-P36, 48NEMU-E

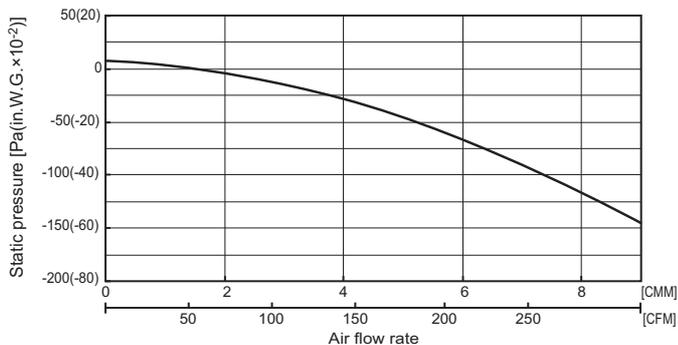
Multifunction casement + Standard filter



Multifunction casement + High efficiency filter



Taking air into the unit



8. ELECTRICAL CHARACTERISTICS

Indoor units

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

IFM: Indoor Fan Motor

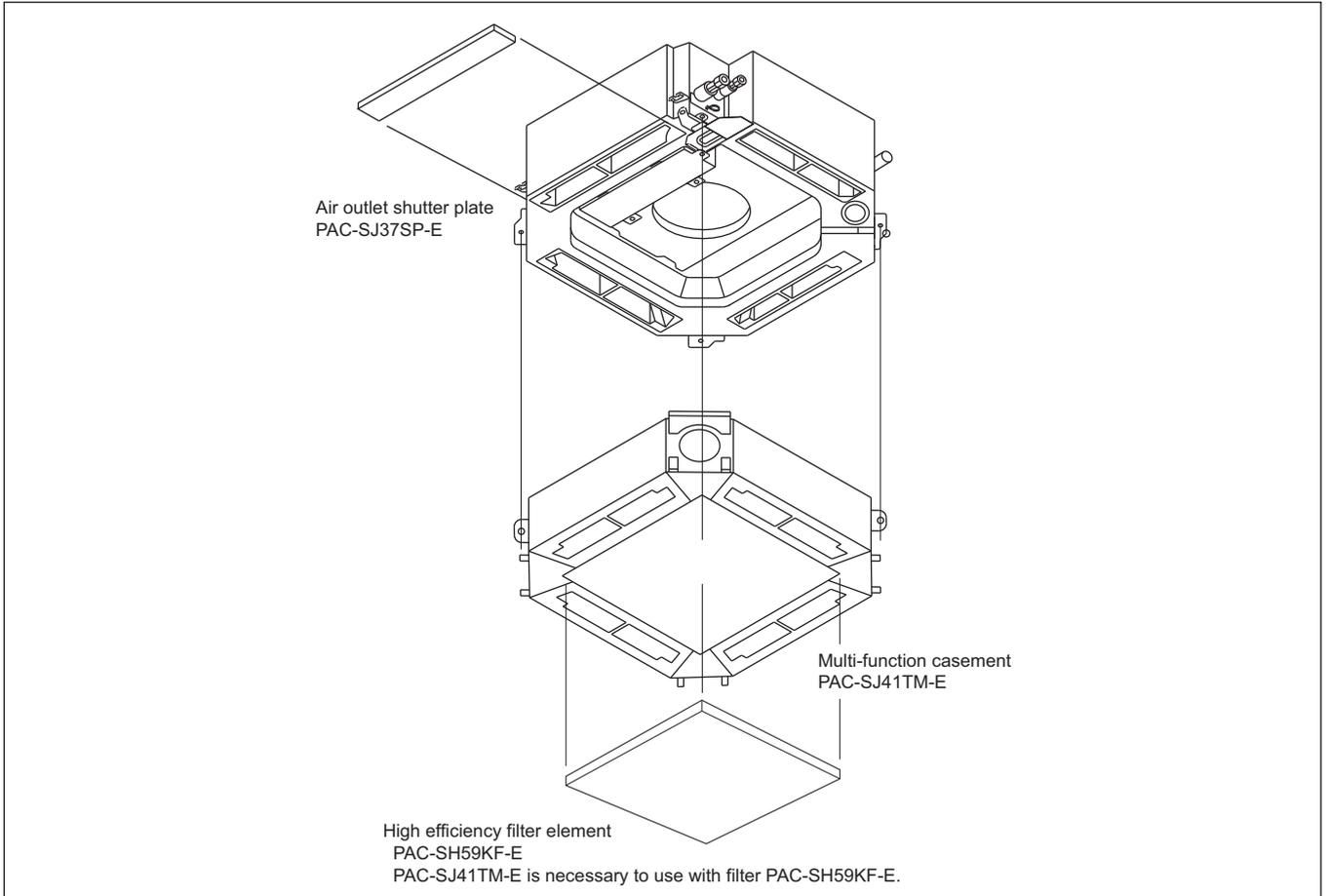
Output: Fan motor rated output

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-EP08NEMU-E	60Hz	208/230V	198 to 253V	0.39/0.39	0.050/0.050	0.31/0.31
PLFY-EP12NEMU-E				0.39/0.39	0.050/0.050	0.31/0.31
PLFY-EP15NEMU-E				0.39/0.39	0.050/0.050	0.31/0.31
PLFY-EP18NEMU-E				0.43/0.43	0.050/0.050	0.34/0.34
PLFY-EP24NEMU-E				0.54/0.54	0.120/0.120	0.43/0.43
PLFY-EP30NEMU-E				0.57/0.57	0.120/0.120	0.45/0.45
PLFY-EP36NEMU-E				0.92/0.92	0.120/0.120	0.73/0.73
PLFY-EP48NEMU-E				1.27/1.27	0.120/0.120	1.01/1.01
PLFY-P08NEMU-E				0.31/0.31	0.050/0.050	0.25/0.25
PLFY-P12NEMU-E				0.33/0.33	0.050/0.050	0.26/0.26
PLFY-P15NEMU-E				0.36/0.36	0.050/0.050	0.29/0.29
PLFY-P18NEMU-E				0.36/0.36	0.050/0.050	0.29/0.29
PLFY-P24NEMU-E				0.51/0.51	0.050/0.050	0.41/0.41
PLFY-P30NEMU-E				0.70/0.70	0.050/0.050	0.56/0.56
PLFY-P36NEMU-E				1.13/1.13	0.120/0.120	0.90/0.90
PLFY-P48NEMU-E				1.24/1.24	0.120/0.120	0.99/0.99

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

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

	Description	Model
PLFY-P-NFMU-E PLFY-EP-NEMU-E PLFY-P-NEMU-E	Air outlet shutter plate	PAC-SJ37SP-E (for (E)P-NEMU)
	Multi-function casement	PAC-SJ41TM-E (for (E)P-NEMU)
	High efficiency filter element	PAC-SH59KF-E (for (E)P-NEMU)
	3D i-see Sensor corner panel	PAC-SF1ME-E (for P-NFMU)
	3D i-see Sensor panel	SLP-18FAEU (for P-NFMU)/PLP-40EAEU (for EP-NEMU)
	Wireless signal receiver	PAR-SF9FA-E (for P-NFMU)/PAR-SR3LA-E (for (E)P-NEMU)
	External heater adapter	PAC-YU25HT (for (E)P-NEMU)
	Duct flange for fresh air intake	PAC-SH65OF-E (for (E)P-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.

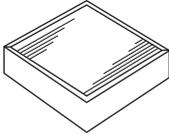
9-3. High efficiency filter element

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.

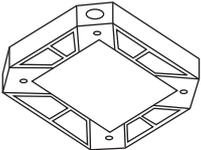
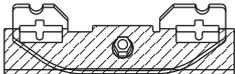
9-4. Multi-function casement

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. i-see Sensor corner panel

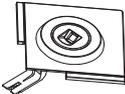
i-see Sensor provides comfortable space as it detects the floor temperature to prevent spotty temperature.

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.

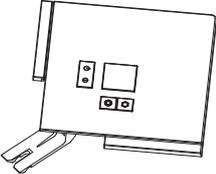
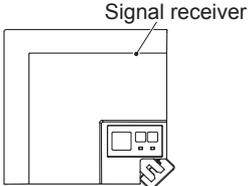
Item	i-see Sensor corner panel	Plastic fastener	
Quantity	1	2	
Shape			

Detailed installation information should be referred to its Installation Manual.

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

9-6. Wireless signal receiver

Wireless signal receiver PAR-SF9FA-E/PAR-SR3LA-E is necessary for using wireless remote controller
 PAR-SF9FA-E/PAR-SR3LA-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				

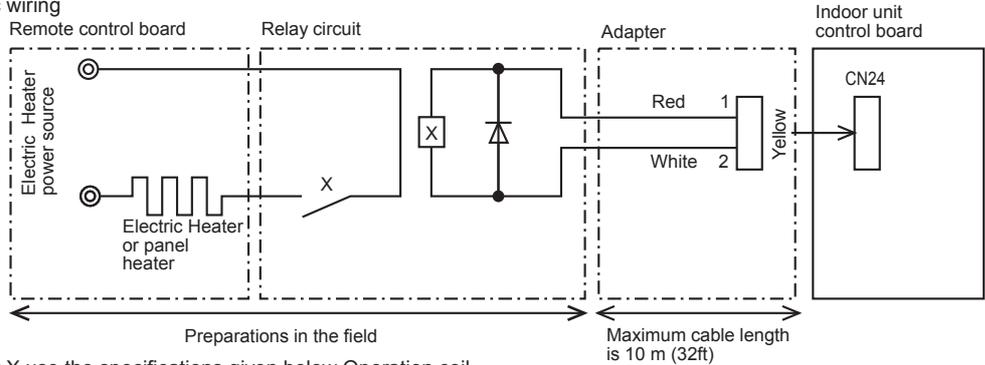
Detailed installation information should be referred to its Installation Manual.

9-8. External heater adapter

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

- PUHY, 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"
- 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).

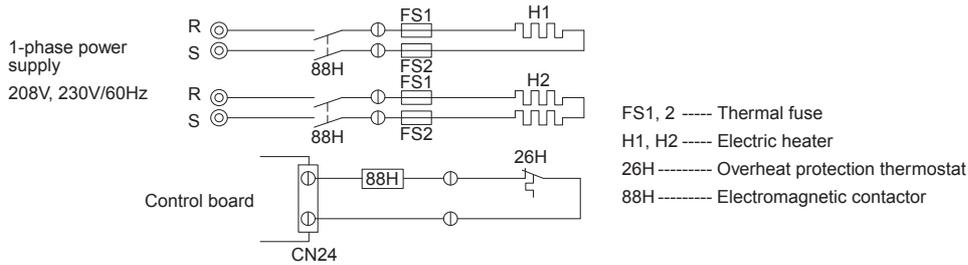
To extend this length, use sheathed 2-core cable.

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.



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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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