

AIR CONDITIONING SYSTEMS

CITY MULTI

DATA BOOK

MODEL

PLFY-P-NCMU-E

PLFY-(E)P-NEMU-E 

CITY MULTI

1. INDOOR UNITS

Ceiling cassette (4-way flow type)	3
PLFY-P-NCMU-E, PLFY-(E)P-NEMU-E	
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PLFY-P-NCMU-E, PLFY-(E)P-NEMU-E

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1. SPECIFICATIONS

Model			PLFY-P08NCMU-E	PLFY-P12NCMU-E	PLFY-P15NCMU-E	
Power source			1-phase 208-230 V 60Hz			
Cooling capacity (Nominal)	*1	BTU / h	8,000	12,000	15,000	
	*1	kW	2.3	3.5	4.4	
		Power input	kW	0.05	0.06	0.06
		Current input	A	0.23	0.28	0.28
Heating capacity (Nominal)	*2	BTU / h	9,000	13,500	17,000	
	*2	kW	2.6	4.0	5.0	
		Power input	kW	0.05	0.06	0.06
		Current input	A	0.23	0.28	0.28
External finish			-			
External dimension H x W x D		in.	8-3/16 x 22-7/16 x 22-7/16	8-3/16 x 22-7/16 x 22-7/16	8-3/16 x 22-7/16 x 22-7/16	
		mm	208 x 570 x 570	208 x 570 x 570	208 x 570 x 570	
Net weight		lbs (kg)	34 (15.5)	37 (17)	37 (17)	
Decoration panel	Model		SLP-15AAUW	SLP-15AAUW	SLP-15AAUW	
	External finish		6.4Y 8.9/0.4			
	Dimension	in.	25/32 x 25-19/32 x 25-19/32	25/32 x 25-19/32 x 25-19/32	25/32 x 25-19/32 x 25-19/32	
	H x W x D	mm	20 x 650 x 650	20 x 650 x 650	20 x 650 x 650	
	Net Weight	lbs (kg)	7(3)	7(3)	7(3)	
Heat exchanger			Cross fin			
FAN	Type x Quantity		Turbo fan x 1	Turbo fan x 1	Turbo fan x 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		1-phase induction motor			
	Motor output	kW	0.015	0.020	0.020	
	Driving mechanism		Direct-driven			
	Airflow rate (Low-Mid-High)	cfm	280-320-350	320-350-390	320-350-390	
		m3 / min	8.0-9.0-10.0	9.0-10.0-11.0	9.0-10.0-11.0	
		L / s	133-150-167	150-167-183	150-167-183	
Sound pressure level (Low-Mid-High) (measured in anechoic room)	dB <A>		29-32-38 (208-230V)	30-34-39 (208-230V)	31-35-40(208-230V)	
	dB <A>		-	-	-	
	dB <A>		-	-	-	
Insulation material			Polyethylene foam			
Air filter			PP honey comb fabric			
Protection device			Fuse			
Refrigerant control device			LEV			
Connectable outdoor unit			R410A CITY MULTI			
Diameter of refrigerant pipe (O.D.)	Liquid (R410A)	in. (mm)	1/4 (6.35) Flare	1/4 (6.35) Flare	1/4 (6.35) Flare	
	Gas (R410A)	in. (mm)	1/2 (12.7) Flare	1/2 (12.7) Flare	1/2 (12.7) Flare	
Field drain pipe size		in. (mm)	O.D. 1-1/4(32)	O.D. 1-1/4(32)	O.D. 1-1/4(32)	
Drawing	External		RG01N654			
	Wiring		RG79V389			
	Refrigerant cycle		-			
Standard attachment	Document		Installation Manual, Installation Book			
	Accessory		Drain hose<1-1/4in.(32mm)>			
Optional parts	External heater adapter		PAC-YU25HT	PAC-YU25HT	PAC-YU25HT	
	Decoration panel		SLP-15AAUW	SLP-15AAUW	SLP-15AAUW	
Remarks			* PLFY-P-NCMU-E should used together with SLP-15AAUW. * 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 convertor
		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

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	kW	0.03	0.03	0.03	0.03	
	Current input	A	0.31	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	kW	0.02	0.02	0.02	0.02	
	Current input	A	0.26	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	10-3/16 × 33-3/32 × 33-3/32	
		mm	258 × 840 × 840	258 × 840 × 840	258 × 840 × 840	258 × 840 × 840	
Net weight		lbs (kg)	46 (21)	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	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	0.05	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
m³/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)	(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		Installation Manual, Instruction Book				
	Accessory						
Optional parts	Grille with 3D i-see Sensor		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	
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 Indoor: 80degF D.B. / 67degF W.B. (26.7degC D.B. / 19.4degC W.B.) Outdoor: 95degF D.B. (35degC D.B.) Pipe length: 25 ft. (7.6 m) Level difference: 0 ft. (0 m)			*2 Nominal heating conditions 70degF D.B. (21.1degC D.B.) 47degF D.B. / 43degF W.B. (8.3degC D.B. / 6.1degC W.B.) 25 ft. (7.6 m) 0 ft. (0 m)	Unit converter kcal/h = kW × 860 BTU/h = kW × 3,412 cfm = m³/min × 35.31 lbs = kg / 0.4536 *Above specification data is subject to rounding variation.

1. SPECIFICATIONS

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	Grille with 3D i-see Sensor		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	
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 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

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	kW	0.02	0.02	0.02	0.02				
		Current input		A	0.25	0.26	0.29	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	kW	0.02	0.02	0.02	0.02				
		Current input		A	0.20	0.21	0.24	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	10-3/16 × 33-3/32 × 33-3/32				
			mm	258 × 840 × 840	258 × 840 × 840	258 × 840 × 840	258 × 840 × 840				
Net weight			lbs (kg)	42 (19)	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	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	0.05	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	424 - 459 - 494 - 530	459 - 494 - 530 - 565	459 - 494 - 530 - 600	459 - 494 - 565 - 636				
m ³ /min			12 - 13 - 14 - 15	13 - 14 - 15 - 16	13 - 14 - 15 - 17	13 - 14 - 16 - 18					
L/s			200 - 217 - 233 - 250	217 - 233 - 250 - 267	217 - 233 - 250 - 283	217 - 233 - 267 - 300					
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>	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			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				
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 Indoor: 80degF D.B. / 67degF W.B. (26.7degC D.B. / 19.4degC W.B.) Outdoor: 95degF D.B. (35degC D.B.) Pipe length: 25 ft. (7.6 m) Level difference: 0 ft. (0 m)				*2 Nominal heating conditions 70degF D.B. (21.1degC D.B.) 47degF D.B. / 43degF W.B. (8.3degC D.B. / 6.1degC W.B.) 25 ft. (7.6 m) 0 ft. (0 m)		Unit converter kcal/h = kW × 860 BTU/h = kW × 3,412 cfm = m ³ /min × 35.31 lbs = kg / 0.4536 *Above specification data is subject to rounding variation.	

1. SPECIFICATIONS

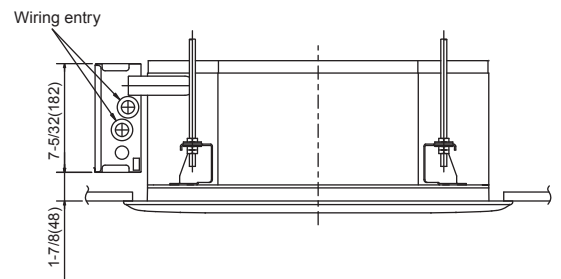
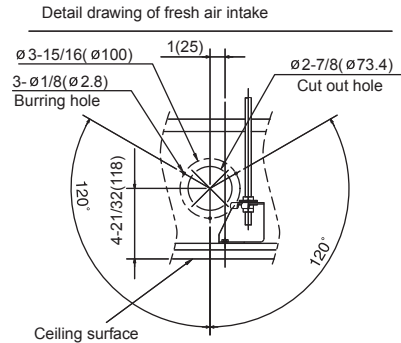
Model			PLFY-P24NEMU-E		PLFY-P30NEMU-E		PLFY-P36NEMU-E		PLFY-P48NEMU-E		
Power source			1-phase 208-230 V 60Hz								
Cooling capacity		*1	BTU/h	24,000		30,000		36,000		48,000	
		*1	kW	7.0		8.8		10.6		14.1	
		Power input	kW	0.04		0.05		0.08		0.10	
		Current input	A	0.41		0.56		0.90		0.99	
Heating capacity		*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		
		m³/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		
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 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.

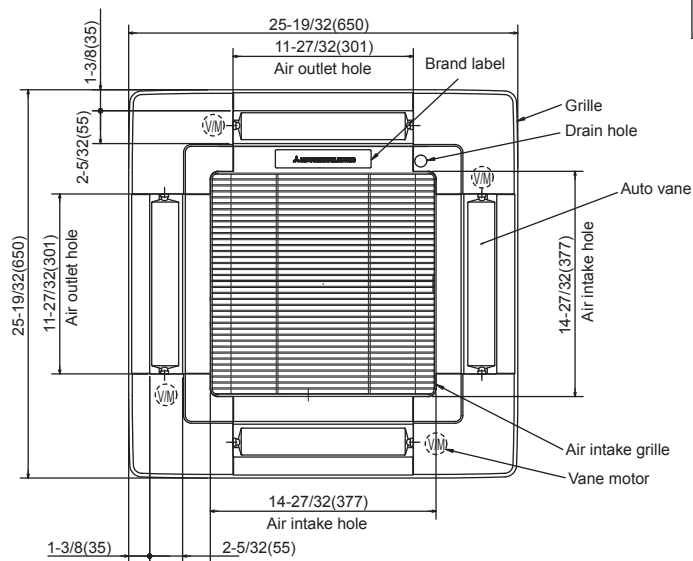
MEE16K008_U

mitsubishi electric corporation

9



Unit : in.(mm)		
Models	①	②
PLFY-P08NCMU-E.TH PLFY-P12NCMU-E.TH PLFY-P15NCMU-E.TH	Refrigerant pipe (1/4 (6.35) dia.) flared connection 1/4	Refrigerant pipe (1/2 (12.7) dia.) flared connection 1/2



MEE16K008 U

mitsubishi electric corporation

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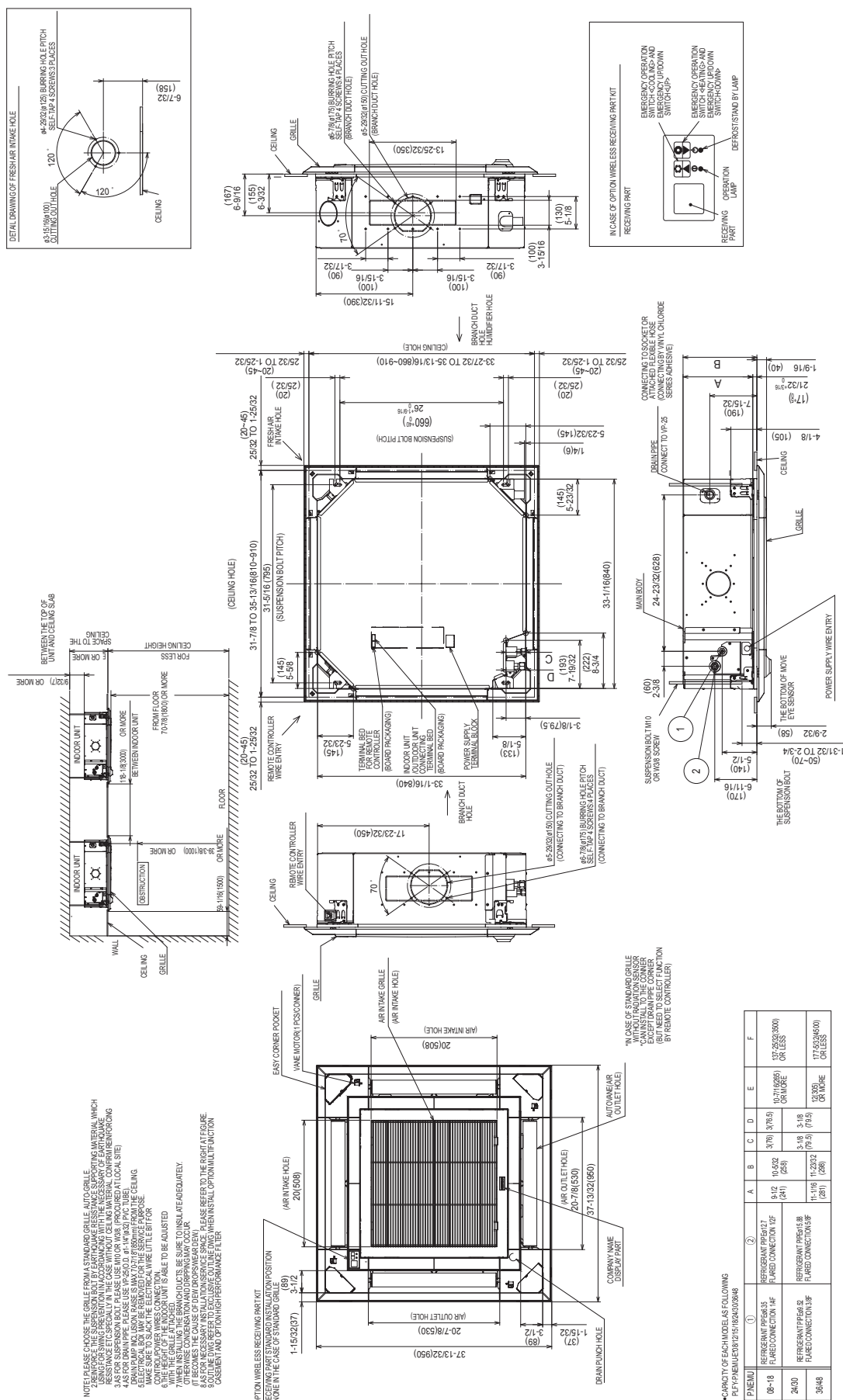


EPDMENU	(1)	(2)	A	B	C	D	E	F
09-18	REFRIGERANT PPE06 35 FLARED CONNECTION 1/4"	REFRIGERANT PPE0127 FLARED CONNECTION 1/2"	9-12 (241)	10-532 (238)	3-76 (376.5)	3-76 (376.5)	10-71(606.5) OR MORE	137-520(3600) OR LESS
24-48	REFRIGERANT PPE062 FLARED CONNECTION 3/8"	REFRIGERANT PPE01588 FLARED CONNECTION 1/2"	11-116 (281.6)	11-2322 (290)	3-18 (79.5)	3-18 (79.5)	12-305 OR MORE	177-520(4500) OR LESS

MEE16K008 U

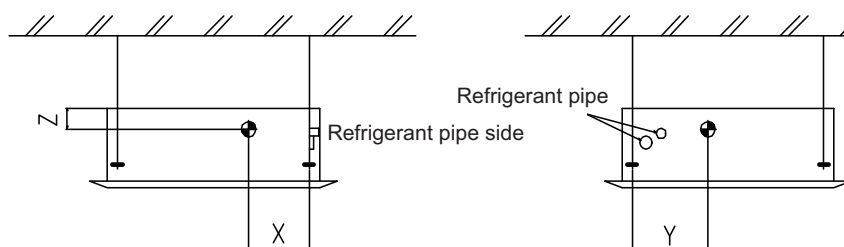
PLFY-P08, 12, 15, 18, 24, 30, 36, 48 NEMU-E

Unit : in.(mm)



3. CENTER OF GRAVITY

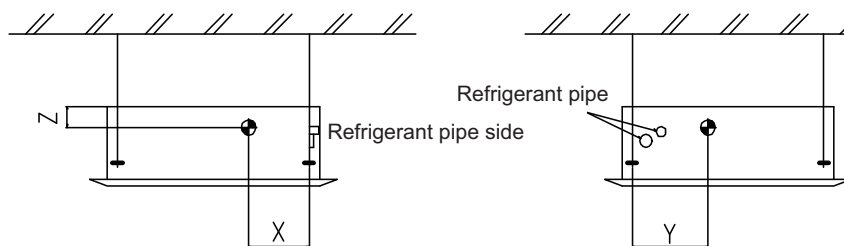
PLFY-P08, 12, 15NCMU-E



(mm)[in]

Model name	X	Y	Z
PLFY-P08NCMU-E	150 [5-29/32]	260 [10-1/4]	105 [4-5/32]
PLFY-P12NCMU-E	150 [5-29/32]	260 [10-1/4]	105 [4-5/32]
PLFY-P15NCMU-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]

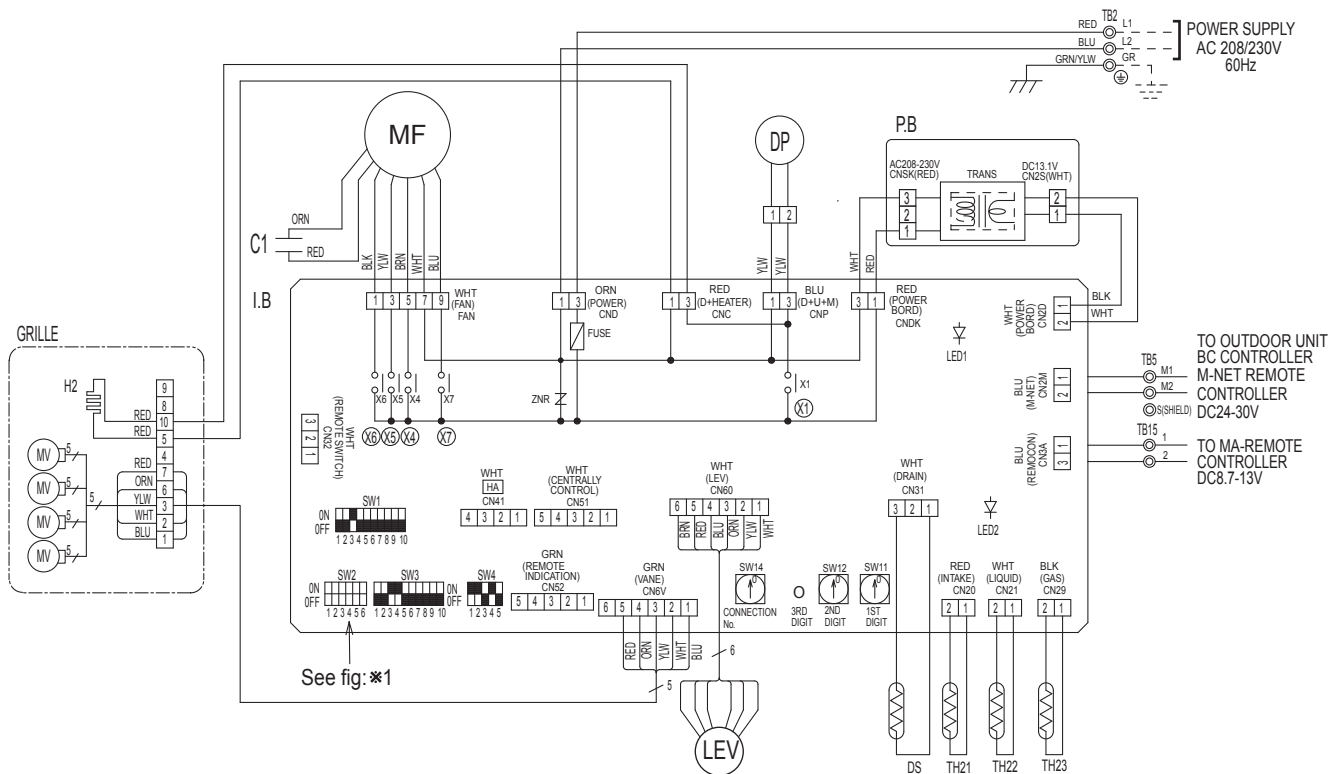
Model name	X	Y	Z
PLFY-P08NEMU-E	325 [12-13/16]	390 [15-3/8]	115 [4-17/32]
PLFY-P12NEMU-E	325 [12-13/16]	390 [15-3/8]	115 [4-17/32]
PLFY-P15NEMU-E	325 [12-13/16]	390 [15-3/8]	115 [4-17/32]
PLFY-P18NEMU-E	325 [12-13/16]	390 [15-3/8]	115 [4-17/32]
PLFY-P24NEMU-E	325 [12-13/16]	390 [15-3/8]	115 [4-17/32]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

4. ELECTRICAL WIRING DIAGRAMS

PLFY-P08,12,15 NCMU-E

[LEGEND]

SYMBOL	NAME	SYMBOL	NAME
I.B	INDOOR CONTROLLER BOARD	C1	CAPACITOR (FAN MOTOR)
CN32	CONNECTOR	DP	DRAIN PUMP
CN41		DS	DRAIN SENSOR
CN51		H2	DEW PREVENTION HEATER
CN52		LEV	LINEAR EXPANSION VALVE
FUSE	FUSE (6.3A/250V)	MF	FAN MOTOR (WITH THERMAL FUSE)
SW1	SWITCH	MV	VANE MOTOR
SW2		TB2	TERMINAL BLOCK
SW3		TB5	TRANSMISSION
SW4		TB15	MA-REMOTE CONTROLLER
SW11		TH21	ROOM TEMPERATURE DETECTION (32°F/15kΩ 77°F/5.4kΩ)
SW12		TH22	PIPE TEMPERATURE DETECTION/LIQUID (32°F/15kΩ 77°F/5.4kΩ)
SW14		TH23	PIPE TEMPERATURE DETECTION/GAS (32°F/15kΩ 77°F/5.4kΩ)
X1	AUX. RELAY	P.B	INDOOR POWER BOARD
X4			
X5			
X6			
X7			
ZNR	VARISTOR		



LED on indoor controller board for service

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

Notes:

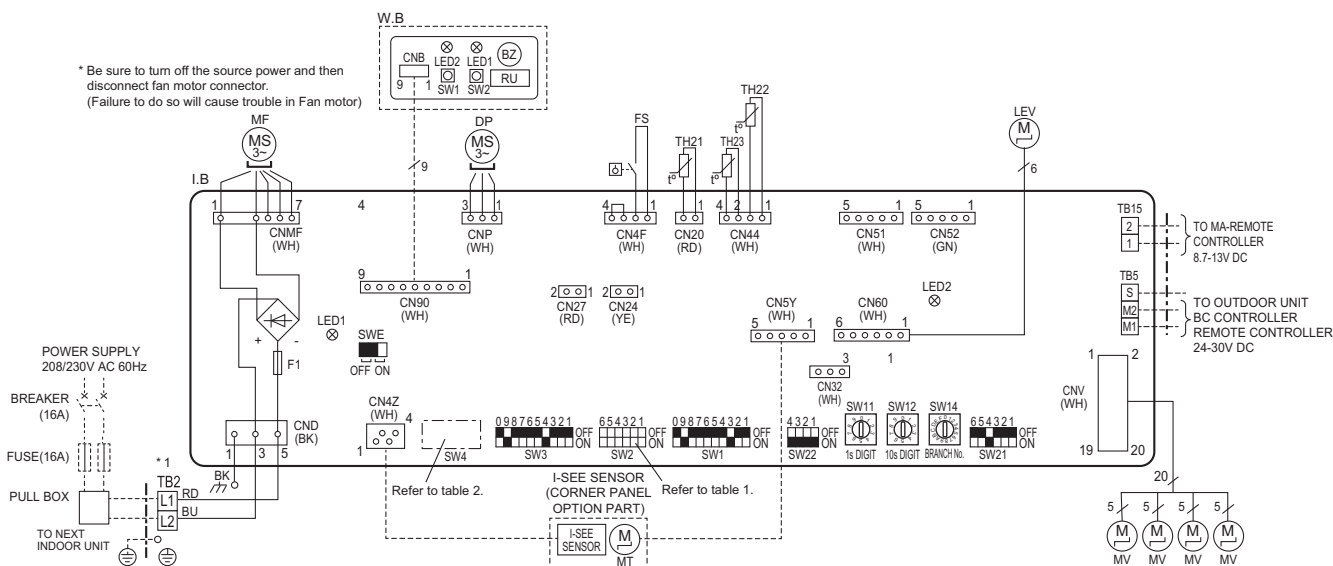
- At servicing for outdoor unit, always follow the wiring diagram of outdoor unit.
- In case of using MA-Remote controller, please connect to TB15. (Remote controller wire is non-polar.)
- In case of using M-NET, please connect to TB5. (Transmission line is non-polar.)
- Symbol[S] of TB5 is the shield 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.
- Use copper supply wire.

<fig: *1>

MODELS	SW2
P08	ON OFF
P12	ON OFF
P15	ON OFF

4. ELECTRICAL WIRING DIAGRAMS

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



<Table 1> SW2 (CAPACITY CODE)

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

<Table 2> SW4 (MODEL SELECTION)

MODELS	SW equipped
PLFY-EP-NEMU-E	ON OFF 1 2 3 4 5 6

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

[LEGEND]

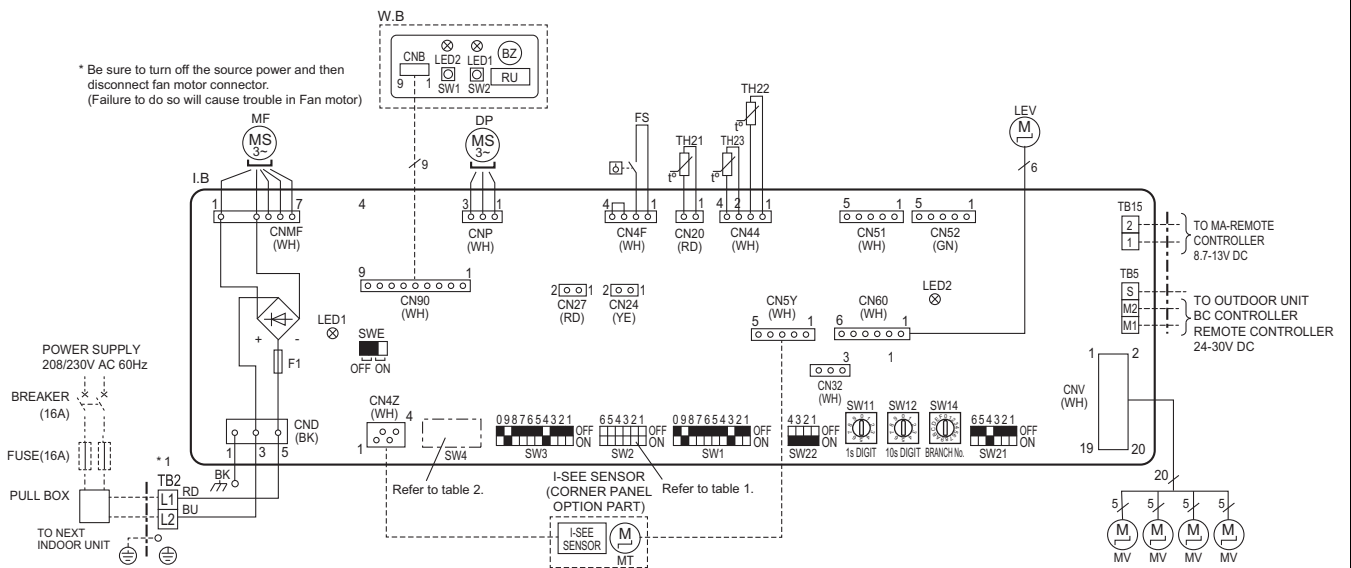
SYMBOL	NAME	SYMBOL	NAME
I. B	INDOOR CONTROLLER BOARD	TH22	THERMISTOR PIPE TEMP. DETECTION / LIQUID (32°F/15kΩ, 77°F/5.4kΩ)
F1	FUSE (UL 6.3A 250V AC)	TH23	PIPE TEMP. DETECTION / GAS (32°F/15kΩ, 77°F/5.4kΩ)
CN24	CONNECTOR	MF	FAN MOTOR
CN27	EXTERNAL HEATER	MV	VANE MOTOR
CN32	DAMPER	MT	I-SEE SENSOR MOTOR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

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

4. ELECTRICAL WIRING DIAGRAMS

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



<Table 1> SW2 (CAPACITY CODE)

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

<Table 2> SW4 (MODEL SELECTION)

MODELS	SW4
PLFY-P-NEMU-E	ON OFF 1 2 3 4 5 6

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

[LEGEND]

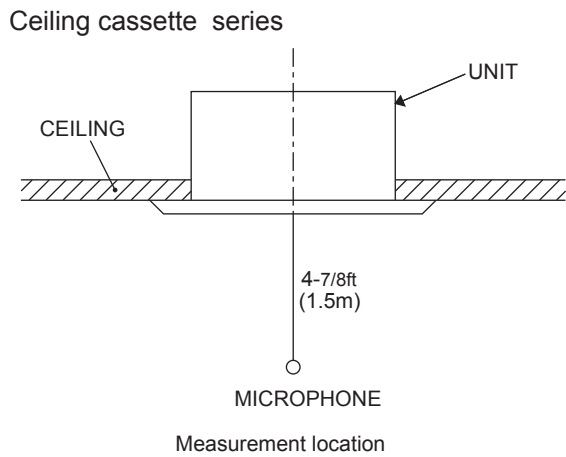
SYMBOL	NAME	SYMBOL	NAME
I. B	INDOOR CONTROLLER BOARD	TH22	THERMISTOR PIPE TEMP. DETECTION / LIQUID (32°F/15kΩ, 77°F/5.4kΩ)
F1	FUSE (UL 6.3A 250V AC)	TH23	PIPE TEMP. DETECTION / GAS (32°F/15kΩ, 77°F/5.4kΩ)
CN24	CONNECTOR EXTERNAL HEATER	MF	FAN MOTOR
CN27	DAMPER	MV	VANE MOTOR
CN32	REMOTE SWITCH	MT	I-SEE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

5. SOUND LEVELS

5-1. Sound levels

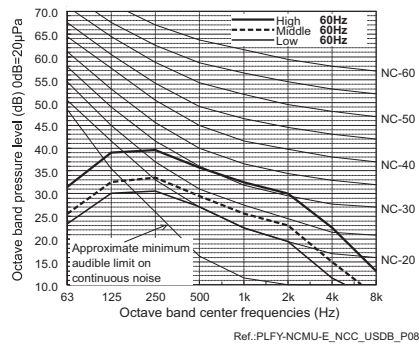


Operating sound levels (Low-Middle2-Middle1-High)	
Model	Sound level (A weighted) Unit: dB(A)
PLFY-P08NCMU-E	29-32-38
PLFY-P12NCMU-E	30-34-39
PLFY-P15NCMU-E	31-35-40
PLFY-EP08NEMU-E	27-29-30-31
PLFY-EP12NEMU-E	27-29-30-31
PLFY-EP15NEMU-E	28-29-30-31
PLFY-EP18NEMU-E	28-30-31-32
PLFY-EP24NEMU-E	28-30-32-34
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

PLFY-P08NCMU-E

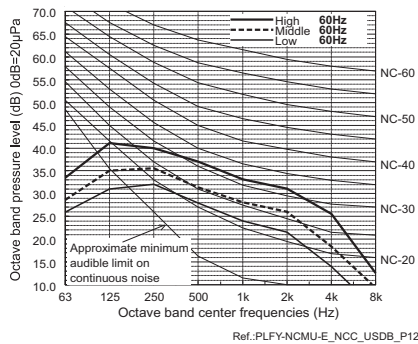
External Static Pressure: 0Pa [0.00 in.WG]
Power Source: 208-230V 60Hz



Ref.:PLFY-NCMU-E_NCC_USDB_P08

PLFY-P12NCMU-E

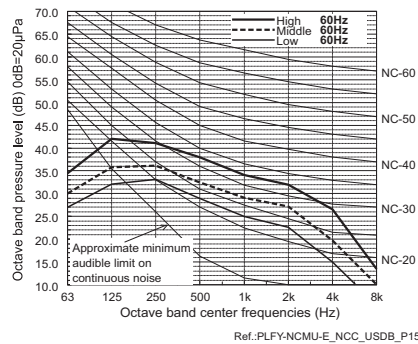
External Static Pressure: 0Pa [0.00 in.WG]
Power Source: 208-230V 60Hz



Ref.:PLFY-NCMU-E_NCC_USDB_P12

PLFY-P15NCMU-E

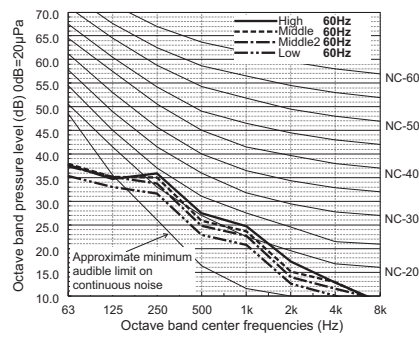
External Static Pressure: 0Pa [0.00 in.WG]
Power Source: 208-230V 60Hz



Ref.:PLFY-NCMU-E_NCC_USDB_P15

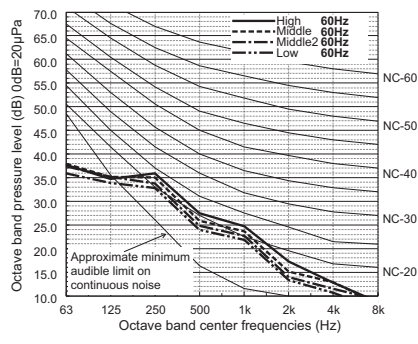
PLFY-EP08,12NEMU-E

External Static Pressure: 0Pa [0.00in.WG]
Power Source: 208-230V 60Hz



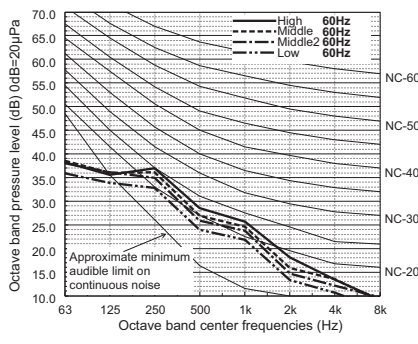
PLFY-EP15NEMU-E

External Static Pressure: 0Pa [0.00in.WG]
Power Source: 208-230V 60Hz



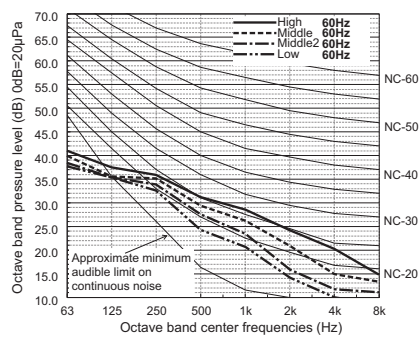
PLFY-EP18NEMU-E

External Static Pressure: 0Pa [0.00in.WG]
Power Source: 208-230V 60Hz



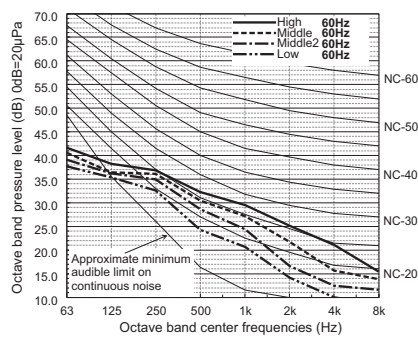
PLFY-EP24NEMU-E

External Static Pressure: 0Pa [0.00in.WG]
Power Source: 208-230V 60Hz



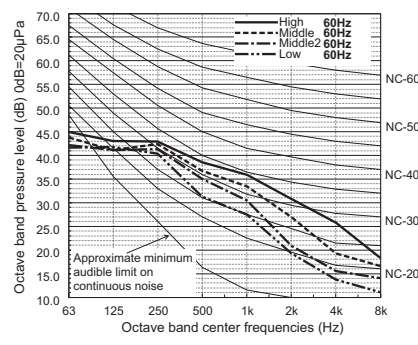
PLFY-EP30NEMU-E

External Static Pressure: 0Pa [0.00in.WG]
Power Source: 208-230V 60Hz



PLFY-EP36NEMU-E

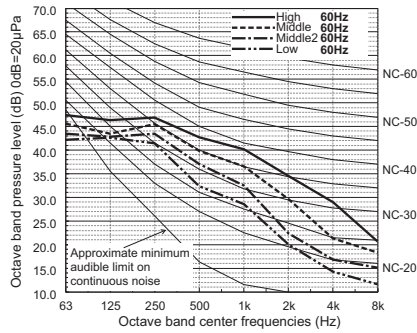
External Static Pressure: 0Pa [0.00in.WG]
Power Source: 208-230V 60Hz



5. SOUND LEVELS

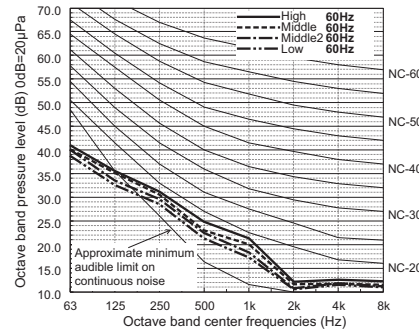
PLFY-EP48NEMU-E

External Static Pressure: 0Pa [0.00in.WG]
Power Source: 208-230V 60Hz



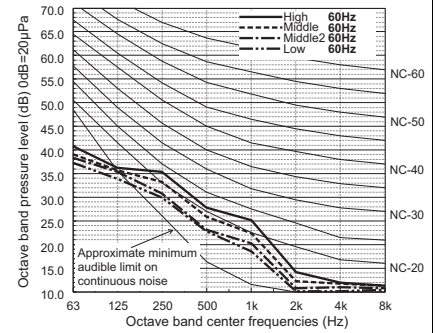
PLFY-P08NEMU-E

External Static Pressure: 0Pa [0.00in.WG]
Power Source: 208-230V 60Hz



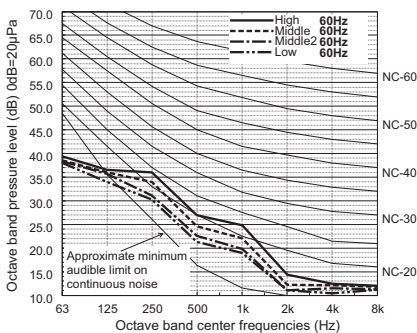
PLFY-P12NEMU-E

External Static Pressure: 0Pa [0.00in.WG]
Power Source: 208-230V 60Hz



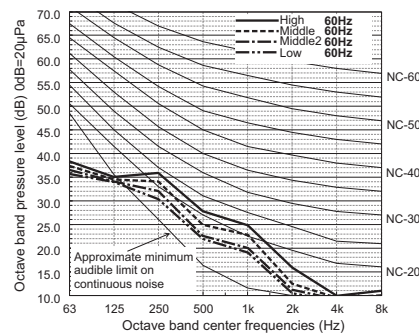
PLFY-P15NEMU-E

External Static Pressure: 0Pa [0.00in.WG]
Power Source: 208-230V 60Hz



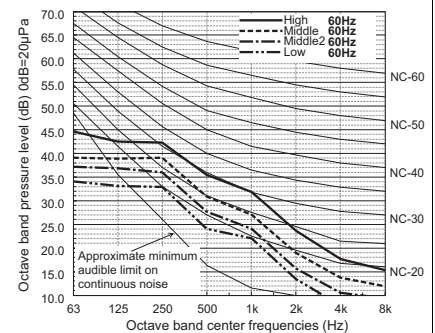
PLFY-P18NEMU-E

External Static Pressure: 0Pa [0.00in.WG]
Power Source: 208-230V 60Hz



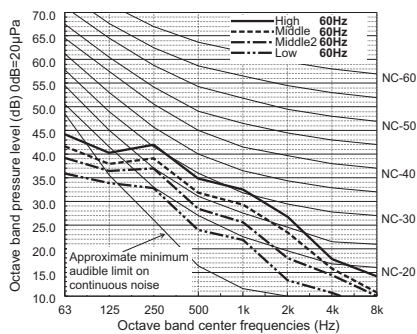
PLFY-P24NEMU-E

External Static Pressure: 0Pa [0.00in.WG]
Power Source: 208-230V 60Hz



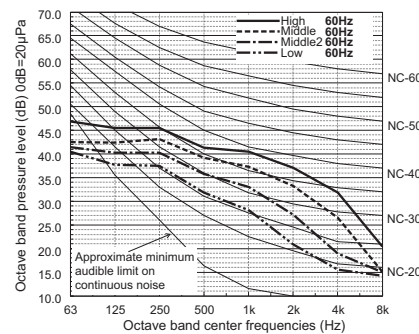
PLFY-P30NEMU-E

External Static Pressure: 0Pa [0.00in.WG]
Power Source: 208-230V 60Hz



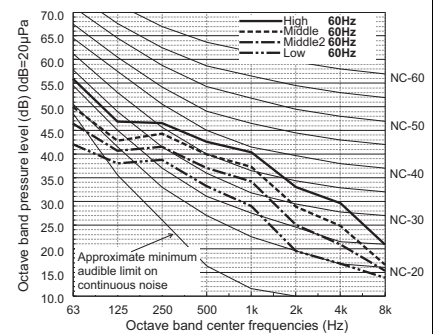
PLFY-P36NEMU-E

External Static Pressure: 0Pa [0.00in.WG]
Power Source: 208-230V 60Hz



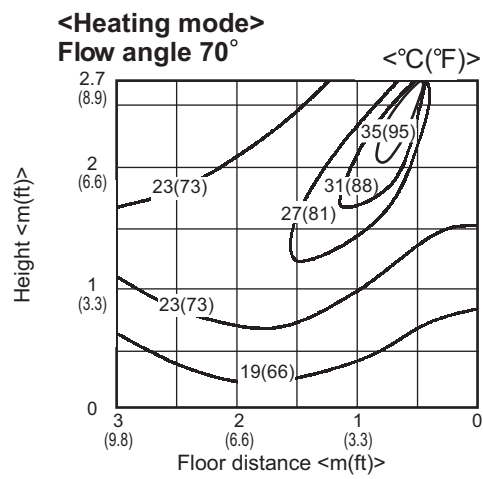
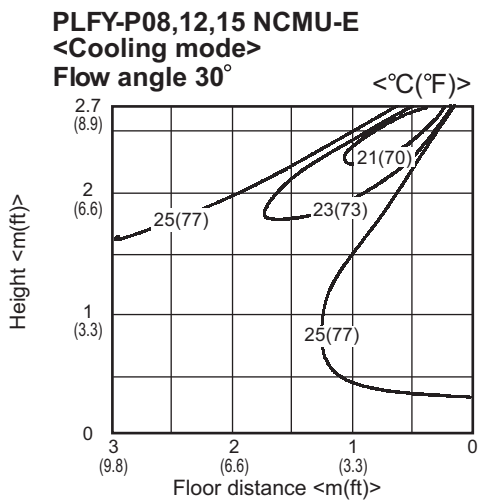
PLFY-P48NEMU-E

External Static Pressure: 0Pa [0.00in.WG]
Power Source: 208-230V 60Hz



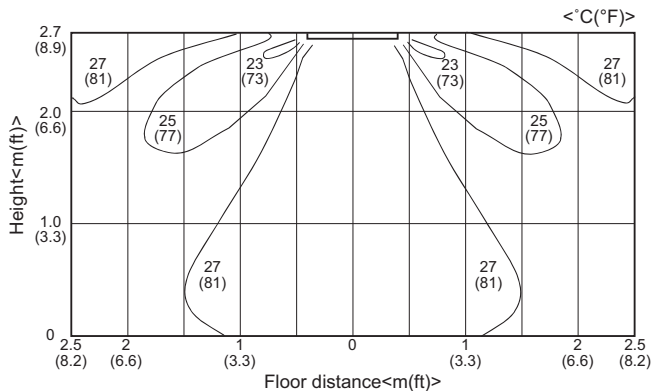
6. TEMPERATURE/AIRFLOW DISTRIBUTIONS

6-1. Temperature distributions

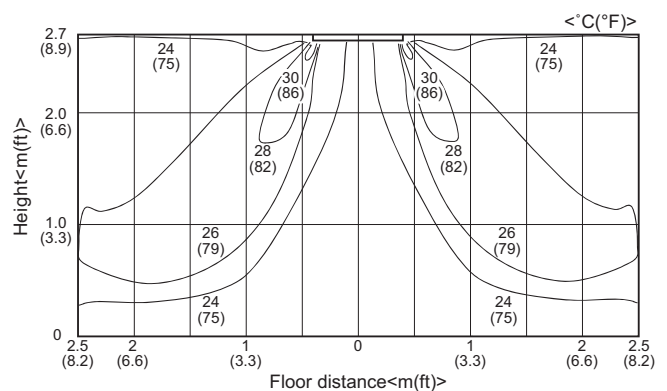


6. TEMPERATURE/AIRFLOW DISTRIBUTIONS

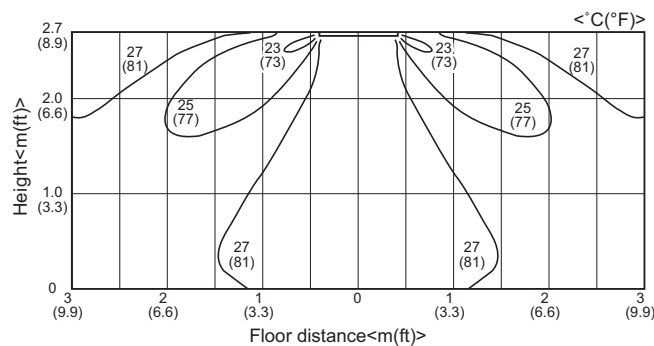
PLFY-(E)P08, 12NEMU-E
<Cooling mode>Standard
Flow angle: 30° 4-way flow
ceiling height: 2.7m(8.9ft)



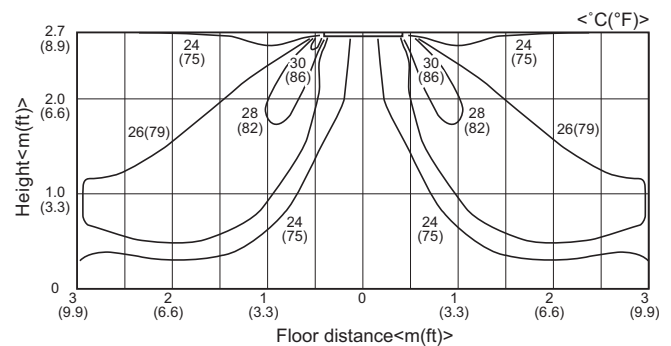
<Heating mode> Standard
Flow angle: 60° 4-way flow
ceiling height: 2.7m(8.9ft)



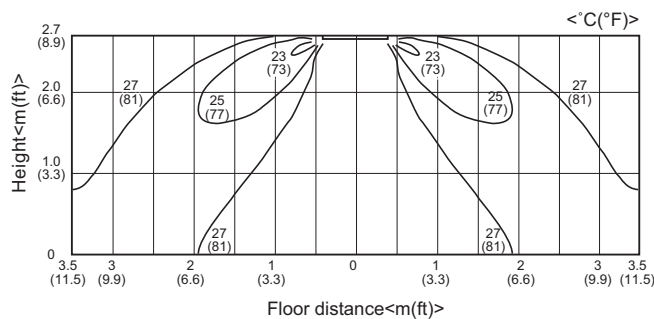
PLFY-(E)P15NEMU-E
<Cooling mode>Standard
Flow angle: 30° 4-way flow
ceiling height: 2.7m(8.9ft)



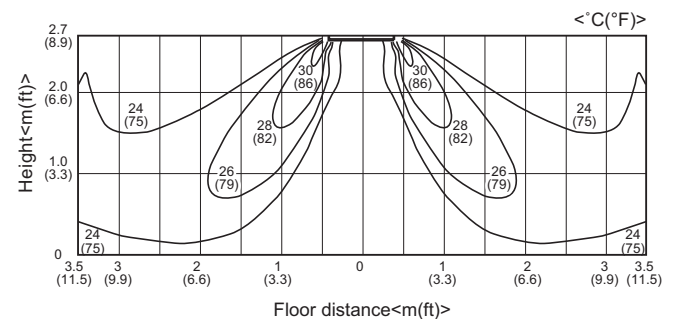
<Heating mode>Standard
Flow angle: 60° 4-way flow
ceiling height: 2.7m(8.9ft)



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



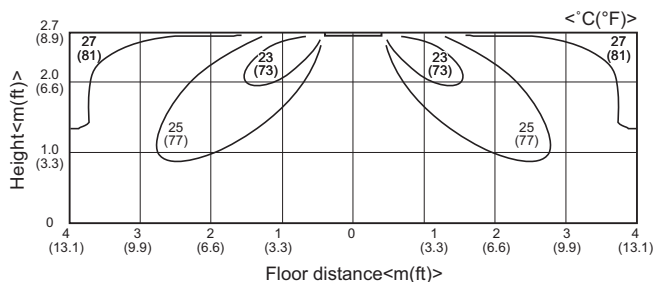
<Heating mode>Standard
Flow angle: 60° 4-way flow
ceiling height: 2.7m(8.9ft)



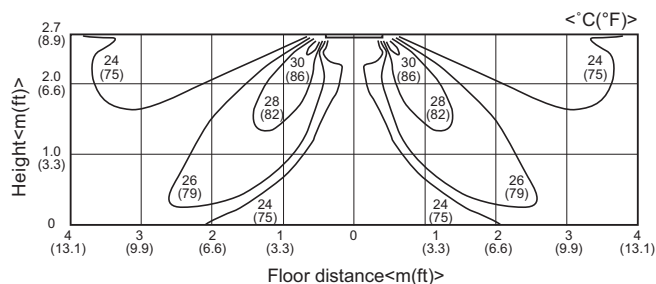
Note : These figures show typical temperature distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load, obstacles, etc.

6. TEMPERATURE/AIRFLOW DISTRIBUTIONS

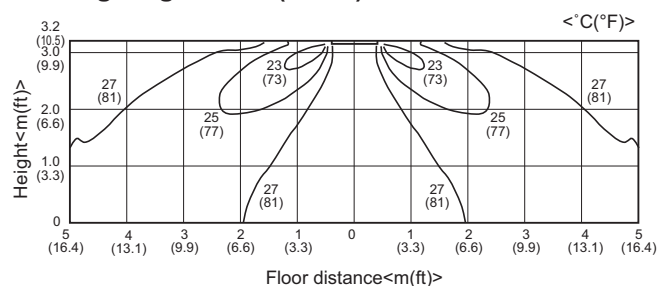
PLFY-(E)P24, 30NEMU-E
<Cooling mode>Standard
Flow angle: 30° 4-way flow
ceiling height: 2.7m(8.9ft)



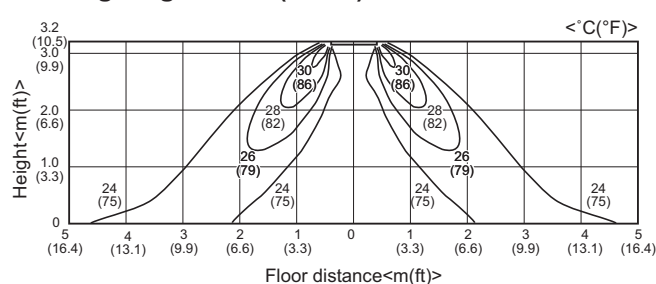
<Heating mode>Standard
Flow angle: 60° 4-way flow
ceiling height: 2.7m(8.9ft)



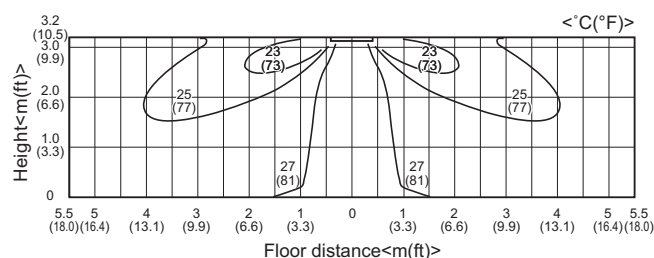
PLFY-(E)P36NEMU-E
<Cooling mode>Standard
Flow angle: 30° 4-way flow
ceiling height: 3.2m(10.5ft)



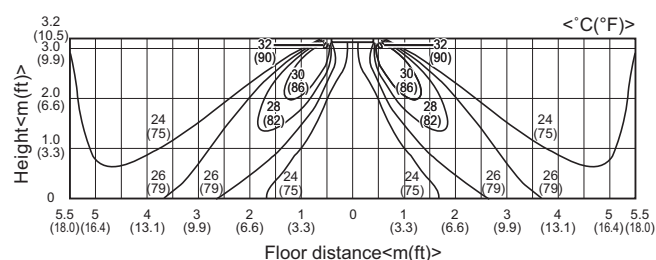
<Heating mode>Standard
Flow angle: 60° 4-way flow
ceiling height: 3.2m(10.5ft)



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.

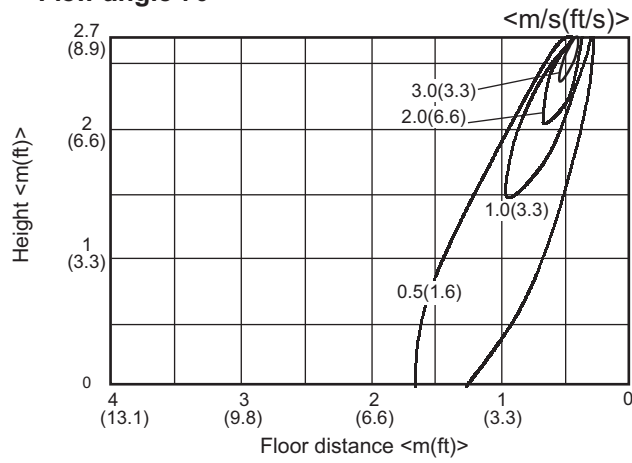
6. TEMPERATURE/AIRFLOW DISTRIBUTIONS

6-2. Airflow distributions

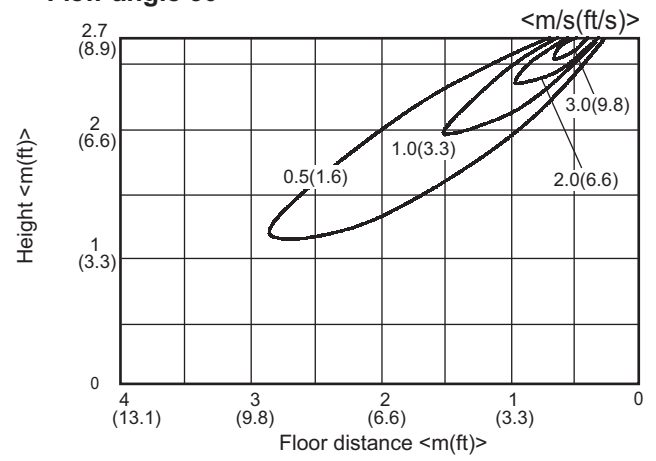
PLFY-P08,12,15 NCMU-E

<Fan mode>

Flow angle 70°



<Fan mode>
Flow angle 30°

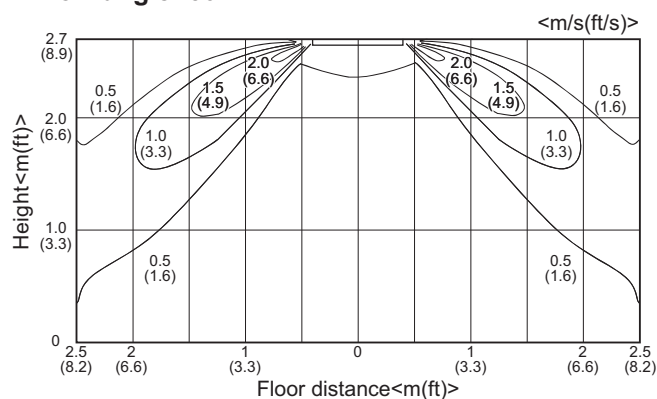


6. TEMPERATURE/AIRFLOW DISTRIBUTIONS

PLFY-(E)P08, 12NEMU-E

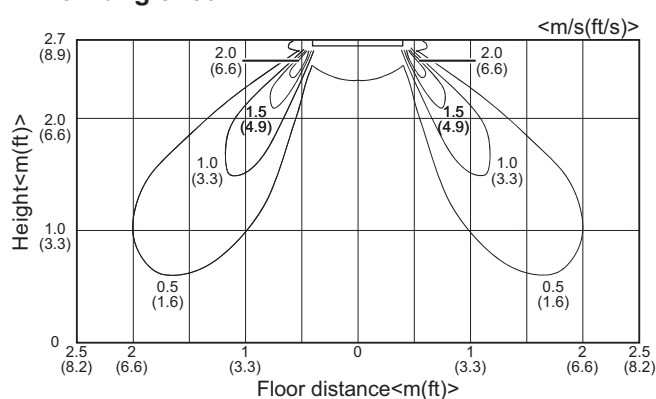
<Cooling mode>

Flow angle: 30°



<Heating mode>

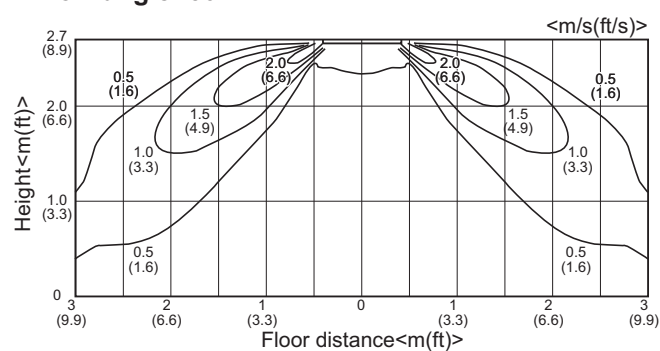
Flow angle: 60°



PLFY-(E)P15NEMU-E

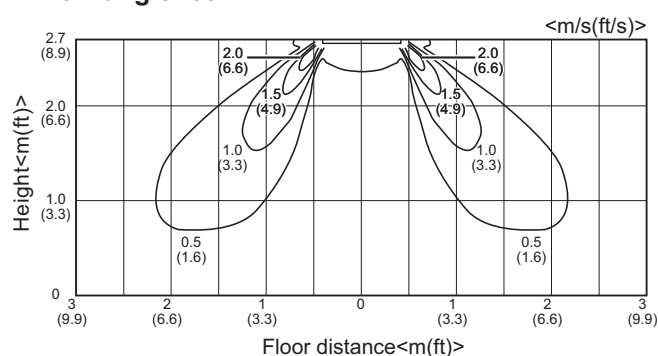
<Cooling mode>

Flow angle: 30°



<Heating mode>

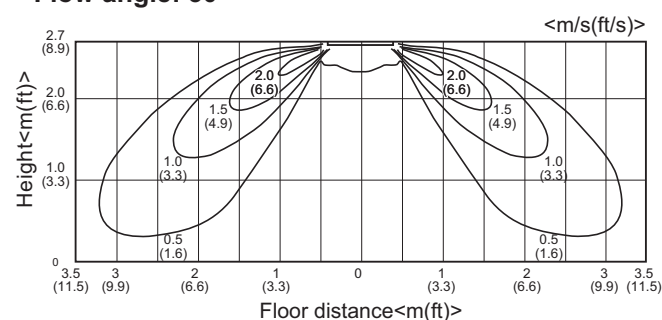
Flow angle: 60°



PLFY-(E)P18NEMU-E

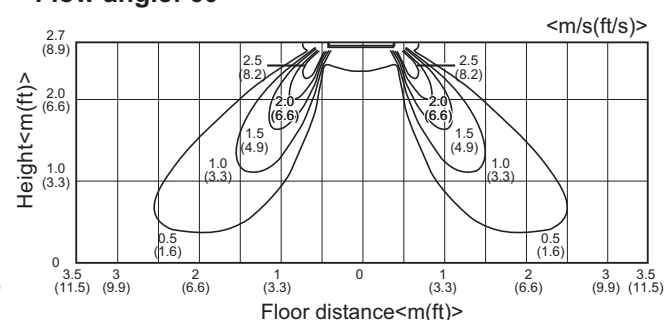
<Cooling mode>

Flow angle: 30°



<Heating mode>

Flow angle: 60°



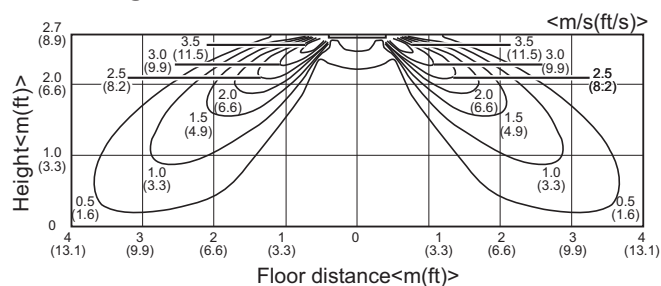
Note : These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load, obstacles, etc.

6. TEMPERATURE/AIRFLOW DISTRIBUTIONS

PLFY-(E)P24, 30NEMU-E

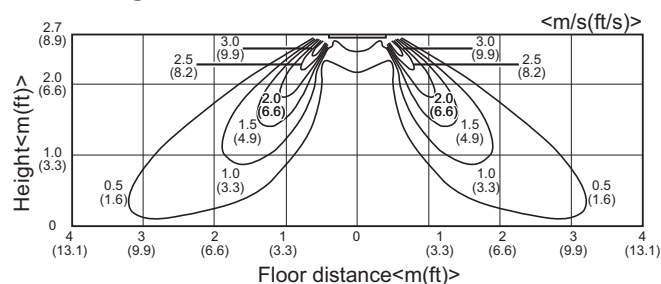
<Cooling mode>

Flow angle: 30°



<Heating mode>

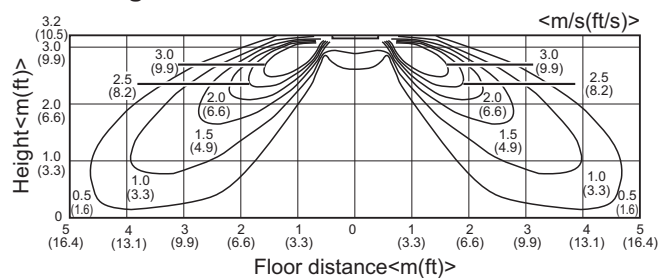
Flow angle: 60°



PLFY-(E)P36NEMU-E

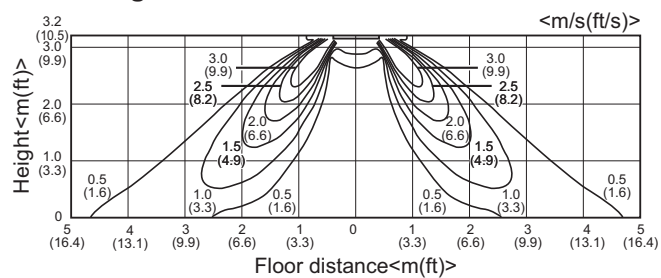
<Cooling mode>

Flow angle: 30°



<Heating mode>

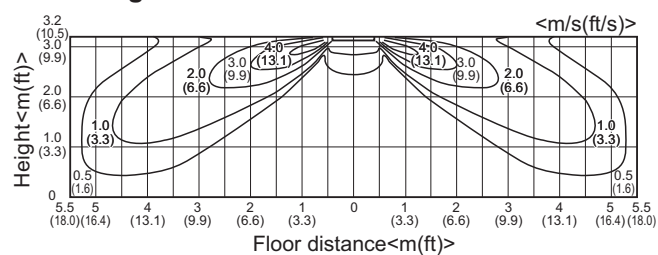
Flow angle: 60°



PLFY-(E)P48NEMU-E

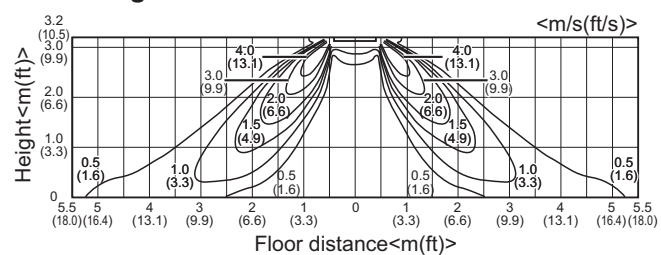
<Cooling mode>

Flow angle: 30°



<Heating mode>

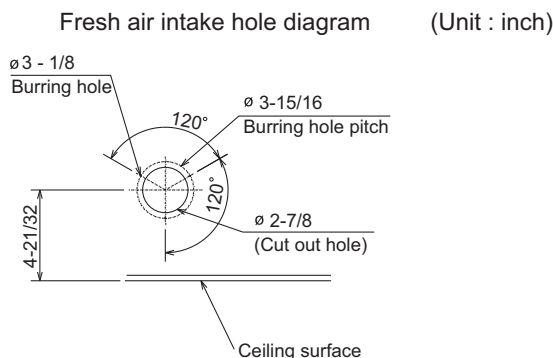
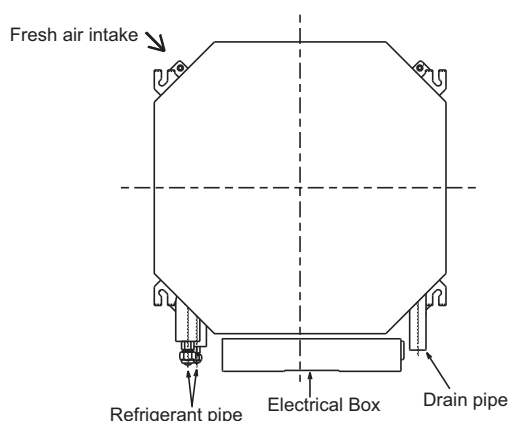
Flow angle: 60°



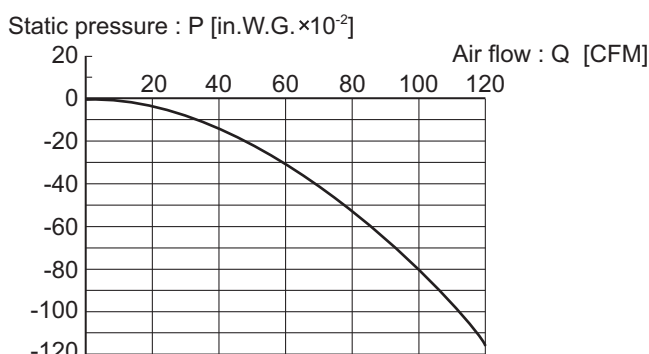
Note : These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load, obstacles, etc.

7. OUTDOOR AIR INTAKE AMOUNT & STATIC PRESSURE

● PLFY-P08, 12, 15NCMU-E

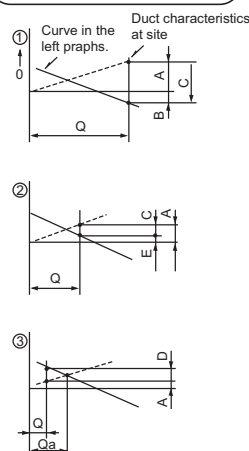


Taking air into the unit



NOTE: Fresh air intake amount should be 20% or less of whole air amount to prevent dew dripping.

How to read curves



- Q...Planned amount of fresh air intake <CFM>
- A...Static pressure loss of fresh air intake duct system with air flow amount Q <in. W.G. $\times 10^{-2}$ >
- B...Forced static pressure at air conditioner inlet with air flow amount Q <in. W.G. $\times 10^{-2}$ >
- C...Static pressure of booster fan with air flow amount Q <in. W.G. $\times 10^{-2}$ >
- D...Static pressure loss increase amount of fresh air intake dust system for air flow amount Q <in. W.G. $\times 10^{-2}$ >
- E...Static pressure of indoor unit with air flow amount Q <in. W.G. $\times 10^{-2}$ >
- Qa...Estimated amount of fresh air intake with out D <CFM>

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

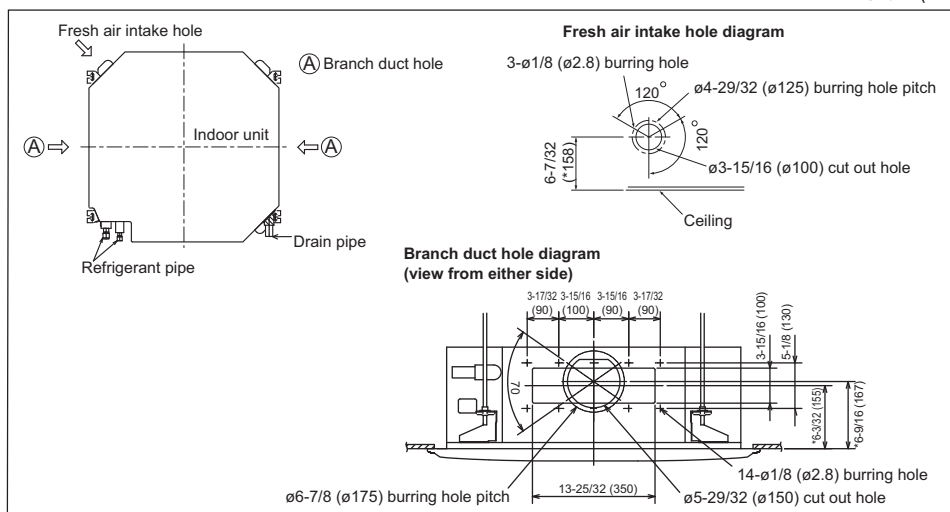
At the time of installation, use the duct holes (cut out) located at the positions shown in following diagram, as and when required.

- 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.

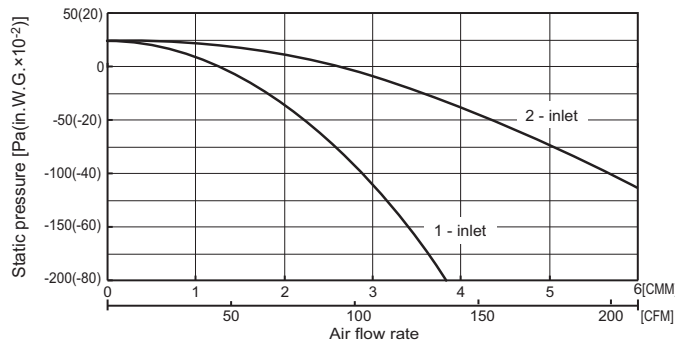
Unit : in (mm)



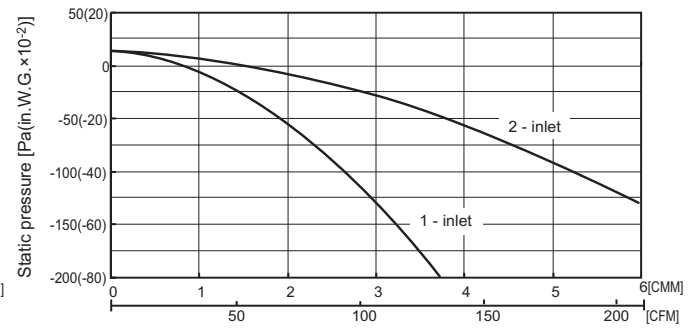
7. OUTDOOR AIR INTAKE AMOUNT & STATIC PRESSURE

● PLFY-EP08, 12, 15, 18, 24, 30NEMU-E

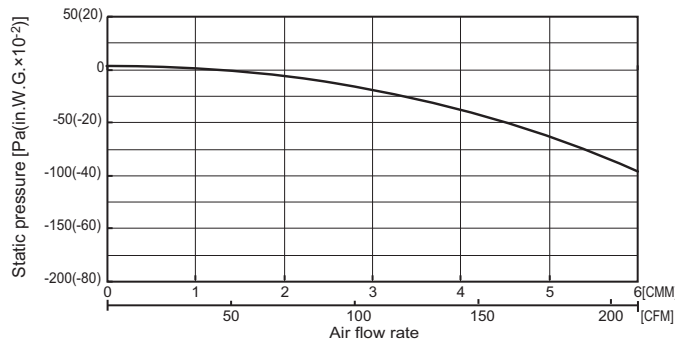
Multifunction casement + High efficiency filter



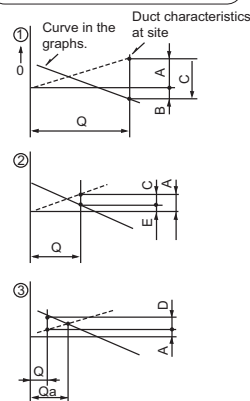
Multifunction casement + Standard filter



Taking air into the unit



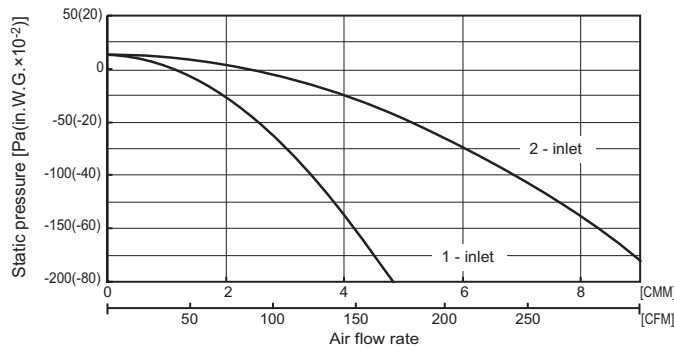
How to read curves



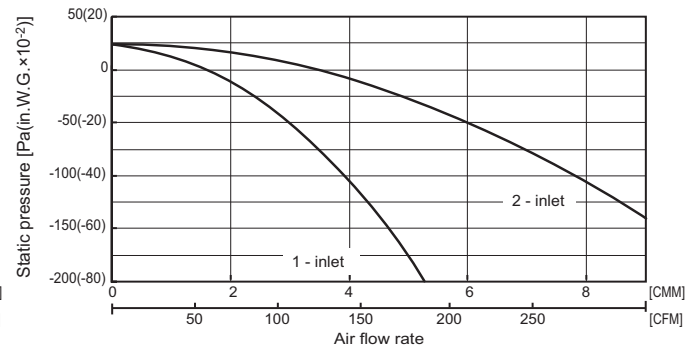
- Q...Designed amount of fresh air intake <CMM (CFM)>
- A...Static pressure loss of fresh air intake duct system with air flow amount Q <Pa (in.W.G.×10⁻²)>
- B...Forced static pressure at air conditioner inlet with air flow amount Q <Pa (in.W.G.×10⁻²)>
- C...Static pressure of booster fan with air flow 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)>

● PLFY-EP36, 48NEMU-E

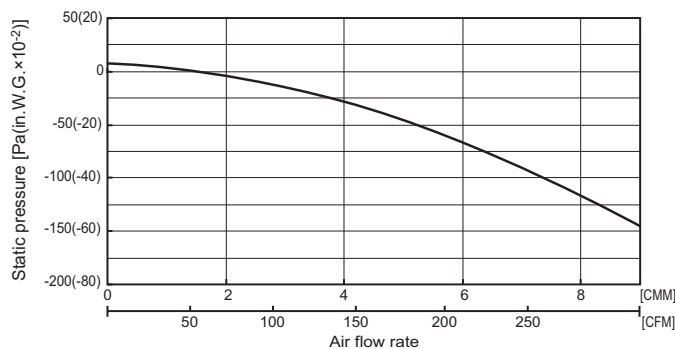
Multifunction casement + Standard filter



Multifunction casement + High efficiency filter



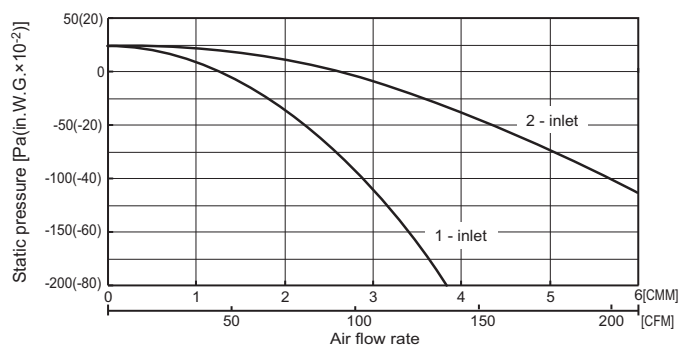
Taking air into the unit



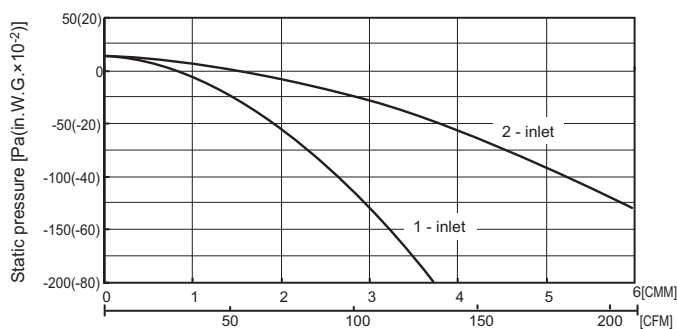
7. OUTDOOR AIR INTAKE AMOUNT & STATIC PRESSURE

● PLFY-P08, 12, 15, 18, 24, 30NEMU-E

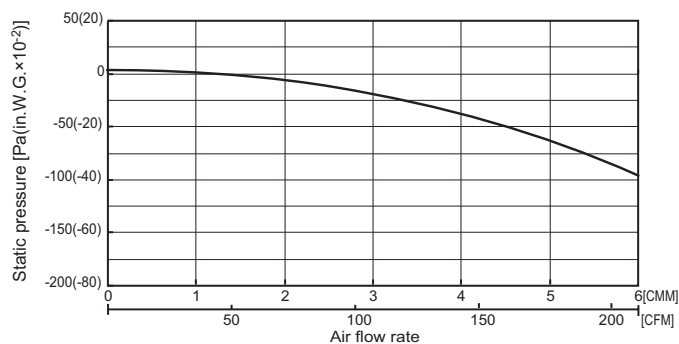
Multifunction casement + High efficiency filter



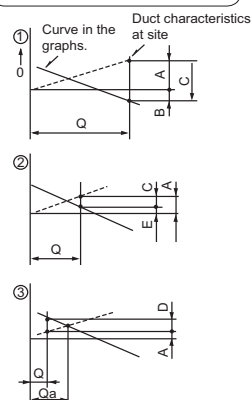
Multifunction casement + Standard filter



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.×10⁻²)>

B...Forced static pressure at air condi-
tioner 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)>

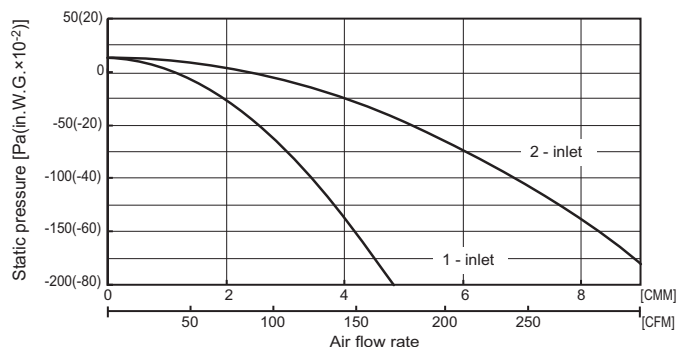
D...Static pressure loss increase amount
of fresh air intake duct system for air
flow amount Q <Pa (in.W.G.×10⁻²)>

E...Static pressure of indoor unit with air
flow amount Q <Pa (in.W.G.×10⁻²)>

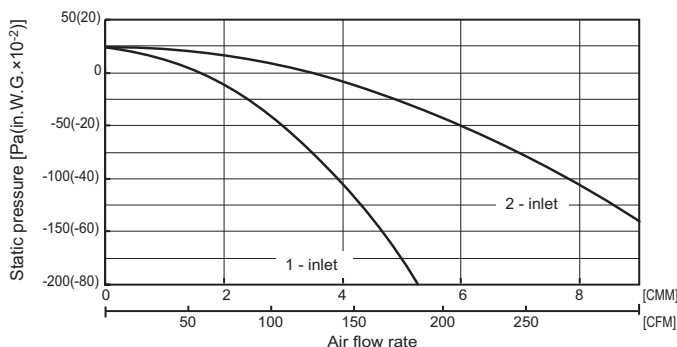
Qa...Estimated amount of fresh air
intake without D <CMM (CFM)>

● PLFY-P36, 48NEMU-E

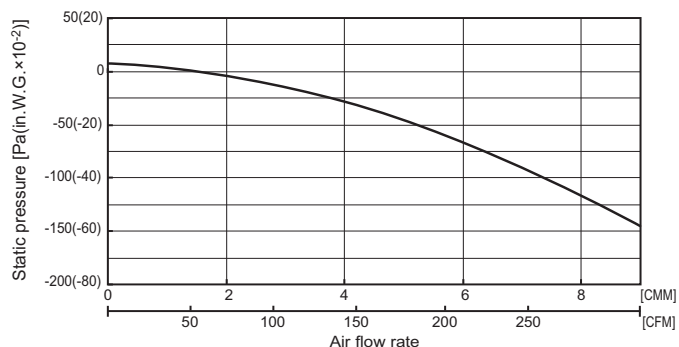
Multifunction casement + Standard filter



Multifunction casement + High efficiency filter



Taking air into the unit

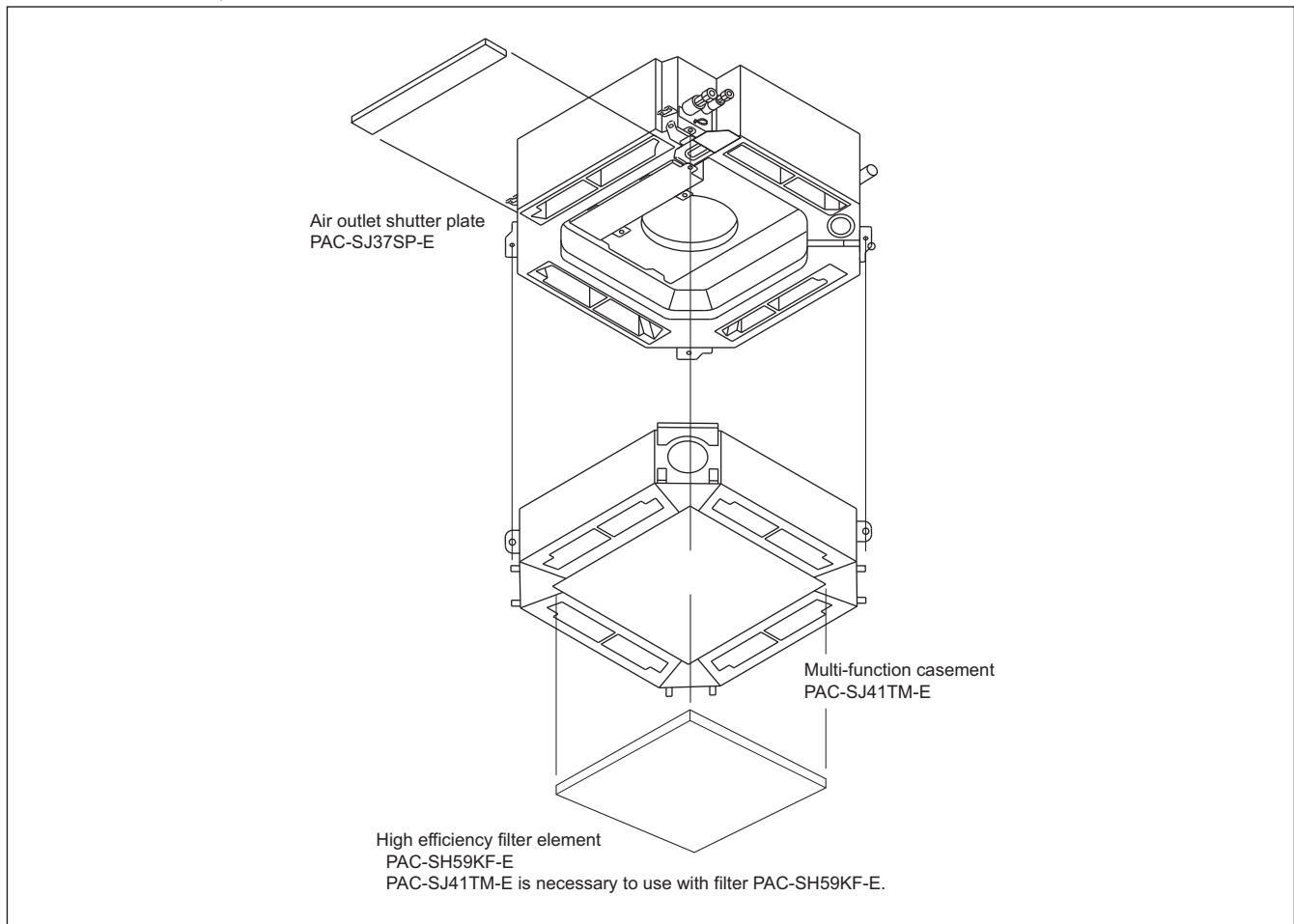


8. OPTIONAL PARTS

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

	Air outlet shutter plate	Multi-function casement	High efficiency filter element
PLFY-EP-NEMU-E	PAC-SJ37SP-E	PAC-SJ41TM-E	PAC-SH59KF-E
		Wireless signal receiver	Flange for fresh air intake
PLFY-EP-NEMU-E	PAR-SR3LA-E		PAC-SH65OF-E
External heater adapter			
PLFY-P-NEMU-E	PAC-YU25HT		

PLFY-EP-NEMU-B, PLFY-P-NEMU-E



8-2. Air outlet shutter plate

Using the air outlet shutter plate to block the air outlet to modify the air-way from 4 to 3 or 2.

With 1 PAC-SJ37SP-E, 4 air-ways can be changed to 3;

With 2 PAC-SJ37SP-E, 4 air-ways can be changed to 2;

Changing to 1 way is not allowed.

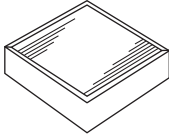
Material: Foamed polyethylene + foamed urethane, color: Black

Item	① Shutter plate	② Shutter plate	
Quantity	2	1	
Shape			

Detailed installation information should be referred to its Installation Manual.

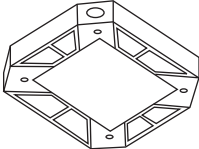
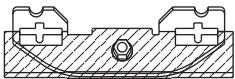
8. OPTIONAL PARTS

8-3. High efficiency filter element

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

Detailed installation information is referred in its Installation Manual.

8-4. Multi-function casement

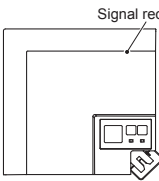
Multi-function casement is used for High efficiency filter element and/or fresh air intake from outdoor. It should be used with High efficiency filter element PAC-SH59KF-E (Colorimetric method 65%). Fresh air intake on the Multi-function casement is possible from any 2 or less corners among the 4 ones. But duct and flange on the casement should be prepare locally.				
Item	① Multi-functional casement	② Screw with washer (black)	③ Screw	④ Grille securing bracket
Quantity	1	4	8	4
Shape		M5 × 0.8 × 25 	M5 × 0.8 × 12 	With insulator 

Detailed installation information should be referred to its Installation Manual.

8. OPTIONAL PARTS

8-5. Wireless signal receiver

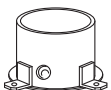
Using the wireless signal receiver to use wireless remote controller.
The corner panel(the other side of refrigerant piping) is changed for the wireless signal receiver.

Item	① Wireless signal receiver	
Quantity	1	
Shape		

Detailed installation information should be referred to its Installation Manual.

8-6. 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			 M4x10	

Detailed installation information should be referred to its Installation Manual.

8. OPTIONAL PARTS

8-7. 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

Remote control board

Relay circuit

Adapter

Indoor unit control board

Outdoor unit control board

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).

Maximum cable length is 10 m (32ft)

Preparations in the field

- 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"

(2) Recommended circuit

1-phase power supply
208V, 230V/60Hz

Control board

CN24

FS1, 2 ----- Thermal fuse

H1, H2 ----- Electric heater

26H ----- Overheat protection thermostat

88H ----- Electromagnetism contactor

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.

MEE16K008_U

MITSUBISHI ELECTRIC CORPORATION

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Electrical characteristics

1. Power supply for Indoor unit 32

1-1. Electrical characteristics of Indoor unit 32

1. Power supply for Indoor unit

1-1. Electrical characteristics of Indoor unit

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-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



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, during 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 equipments and heat pumps contain a fluorinated greenhouse gas, R410A.

mitsubishi electric corporation

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