

PLFY-P-NAMU-E

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Cassette ceiling (4-way flow type)

PLFY-P-NAMU-E



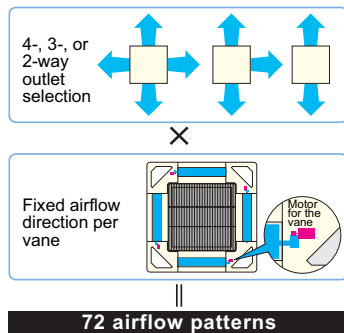
PLFY-P-NAMU-E

Various airflow pattern to meet your needs, strong airflow power, suitable for ceiling of max.13'-9" height

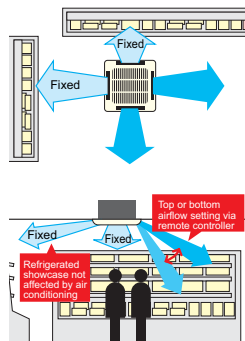


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- Each vane is driven by its own motor, airflow pattern is precisely controlled.

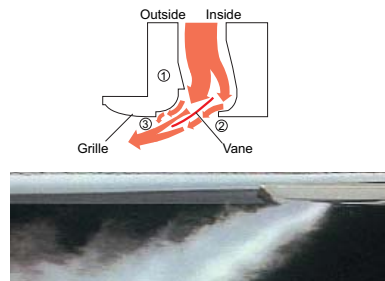


- Precise airflow pattern makes air conditioning wiser. Example (Convenient chain store) Airflow doesn't disturb the cooled air in show-case helps energy saving.

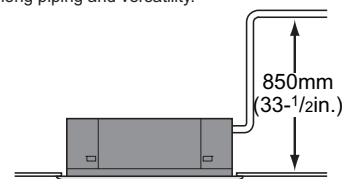


- Mitsubishi Electric's innovative design of the outlet and vane.

- Uniformly distribute the air onto the louver.
- ③ Avoid airflow rising up.
- ②③ No implanting hair, avoid dust attachment.



- Drain water lifted up to 33" Allowing long piping and versatility.



- 33-1/16"x33-1/16" standard panel and elegant exterior design make ceiling an art.

- Flexibility

The PLFY not only brings outside air into your space, but can also branch over to air-condition an adjacent room with just a 6" duct.

Cassette ceiling		P06	P08	P12	P15	P18	P24	P27	P30	P36	P48	P54	P72	P96
		0.8HP	1.0HP	1.3HP	1.6HP	2.0HP	2.5HP	2.8HP	3.2HP	4.0HP	5.0HP	5.6HP	8.0HP	10.0HP
Nominal cooling cap.*1	BTU/h	6,000	8,000	12,000	15,000	18,000	24,000	27,000	30,000	36,000	48,000	54,000	72,000	96,000
Nominal heating cap.*2	BTU/h	6,700	9,000	13,500	17,000	20,000	27,000	30,000	34,000	40,000	54,000	60,000	80,000	108,000
PLFY-P-NAMU-E				●		●	●		●	●				

* Nominal conditions *1, *2 are referable at the Specification sheet.

1. SPECIFICATIONS

Model			PLFY-P12NAMU-E	PLFY-P15NAMU-E	PLFY-P18NAMU-E	PLFY-P24NAMU-E	
Power source			1-phase 208-230 V 60Hz				
Cooling capacity (Nominal)	*1	BTU / h	12,000	15,000	18,000	24,000	
	*1	kW	3.5	4.4	5.3	7.0	
		Power input	kW	0.14	0.14	0.14	
		Current input	A	0.68	0.68	0.68	
Heating capacity (Nominal)	*2	BTU / h	13,500	17,000	20,000	27,000	
	*2	kW	4.0	5.0	5.9	7.9	
		Power input	kW	0.14	0.14	0.14	
		Current input	A	0.68	0.68	0.68	
External finish			-				
External dimension H x W x D		in.	10-3/16 x 33-3/32 x 33-3/32	10-3/16 x 33-3/32 x 33-3/32	10-3/16 x 33-3/32 x 33-3/32	10-3/16 x 33-3/32 x 33-3/32	
		mm	258 x 840 x 840	258 x 840 x 840	258 x 840 x 840	258 x 840 x 840	
Net weight		lbs (kg)	49 (22)	49 (22)	53 (24)	53 (24)	
Decoration panel	Model		PMP-40AAU	PMP-40AAU	PMP-40AAU	PMP-40AAU	
	External finish		0.70Y 8.59/0.97				
	Dimension		in.	1-3/16 x 37-13/32 x 37-13/32	1-3/16 x 37-13/32 x 37-13/32	1-3/16 x 37-13/32 x 37-13/32	1-3/16 x 37-13/32 x 37-13/32
	H x W x D		mm	30 x 950 x 950	30 x 950 x 950	30 x 950 x 950	30 x 950 x 950
	Net Weight		lbs (kg)	11(5)	11(5)	11(5)	11(5)
Heat exchanger			Cross fin				
FAN	Type x Quantity		Turbo fan x 1	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)	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		1-phase induction motor				
	Motor output		kW	0.070	0.070	0.070	0.070
	Driving mechanism		Direct-driven				
Airflow rate (Low-Mid1-Mid2-High)	cfm	388-424-459-494	424-459-494-565	494-530-565-636	530-565-636-706		
	m ³ / min	11.0-12.0-13.0-14.0	12.0-13.0-14.0-16.0	14.0-15.0-16.0-18.0	15.0-16.0-18.0-20.0		
	L / s	183-200-217-233	200-217-233-267	233-250-267-300	250-267-300-333		
Noise level (Low-Mid1-Mid2-High) (measured in anechoic room)	dB <A>		24-27-28-30 (208-230V)	27-28-30-32 (208-230V)	27-28-31-33 (208-230V)	28-30-33-34 (208-230V)	
	dB <A>		-	-	-	-	
	dB <A>		-	-	-	-	
Insulation material			Polyethylene foam				
Air filter			PP honeycomb (long life filter, anti-virus type)				
Protection device			Fuse				
Refrigerant control device			LEV				
Connectable outdoor unit			R410A,R22 CITY MULTI				
Diameter of refrigerant pipe (O.D.)	Liquid (R410A) (R22)	in. (mm)	1/4 (6.35) Flare	1/4 (6.35) Flare	1/4 (6.35) Flare	3/8 (9.52) Flare	
		in. (mm)	1/4 (6.35) Flare	1/4 (6.35) Flare	3/8 (9.52) Flare	3/8 (9.52) Flare	
	Gas (R410A) (R22)	in. (mm)	1/2 (12.7) Flare	1/2 (12.7) Flare	1/2 (12.7) Flare	5/8 (15.88) Flare	
		in. (mm)	1/2 (12.7) Flare	1/2 (12.7) Flare	5/8 (15.88) Flare	5/8 (15.88) Flare	
Diameter of drain pipe		in. (mm)	(VP-25)	(VP-25)	(VP-25)	(VP-25)	
Drawing	External		RG01N983				
	Wiring		RG79Y106				
	Refrigerant cycle		-				
Standard attachment	Document		Installation Manual, Installation Book				
	Accessory						
Optional parts	Air outlet shutter plate (1 set)		PAC-SG06SP-E	PAC-SG06SP-E	PAC-SG06SP-E	PAC-SG06SP-E	
	External Heater Adaptor		PAC-YU24HT-F	PAC-YU24HT-F	PAC-YU24HT-F	PAC-YU24HT-F	
	High-efficiency filter element		PAC-SG01KF	PAC-SG01KF	PAC-SG01KF	PAC-SG01KF	
	Multi-function casement		PAC-SG03TM-E	PAC-SG03TM-E	PAC-SG03TM-E	PAC-SG03TM-E	
Remark							
	Installation		Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual.				

PLFY-P-NAMU-E

Note :	*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
*Due to continuing improvement, above specification may be subject to change without notice.			*Above specification data is subject to rounding variation.

Ref.: Spec_PLFY-P12-24NAMU-E

1. SPECIFICATIONS

Model		PLFY-P30NAMU-E	PLFY-P36NAMU-E		
Power source		1-phase 208-230 V 60Hz			
Cooling capacity (Nominal)	*1 BTU / h	30,000	36,000		
	*1 kW	8.8	10.6		
	Power input kW	0.27	0.27		
	Current input A	1.30	1.30		
Heating capacity (Nominal)	*2 BTU / h	34,000	40,000		
	*2 kW	10.0	11.7		
	Power input kW	0.27	0.27		
	Current input A	1.30	1.30		
External finish		-			
External dimension H x W x D	in.	11-3/4 x 33-3/32 x 33-3/32	11-3/4 x 33-3/32 x 33-3/32		
	mm	298 x 840 x 840	298 x 840 x 840		
Net weight	lbs (kg)	66 (30)	66 (30)		
Decoration panel	Model	PMP-40AAU	PMP-40AAU		
	External finish	0.70Y 8.59/0.97			
	Dimension H x W x D	in.	1-3/16 x 37-13/32 x 37-13/32	1-3/16 x 37-13/32 x 37-13/32	
		mm	30 x 950 x 950	30 x 950 x 950	
	Net Weight	lbs (kg)	11(5)	11(5)	
Heat exchanger	Cross fin				
FAN	Type x Quantity	Turbo fan x 1	Turbo fan x 1		
	External static press	in.WG	0.000 (208V)	0.000 (208V)	
		Pa	0	0	
		in.WG	0.000 (230V)	0.000 (230V)	
		Pa	0	0	
	Motor type	1-phase induction motor			
	Motor output	kW	0.110	0.110	
	Driving mechanism	Direct-driven			
	Airflow rate (Low-Mid1-Mid2-High)	cfm	706-812-918-989	777-883-989-1,059	
		m3 / min	20.0-23.0-26.0-28.0	22.0-25.0-28.0-30.0	
L / s		333-383-433-467	367-417-467-500		
Noise level (Low-Mid1-Mid2-High) (measured in anechoic room)	dB <A>	34-36-40-41 (208-230V)	37-40-43-44 (208-230V)		
	dB <A>	-	-		
	dB <A>	-	-		
Insulation material	Polyethylene foam				
Air filter	PP honeycomb (long life filter, anti-virus type)				
Protection device	Fuse				
Refrigerant control device	LEV				
Connectable outdoor unit	R410A,R22 CITY MULTI				
Diameter of refrigerant pipe (O.D.)	Liquid (R410A) (R22)	in. (mm)	3/8 (9.52) Flare	3/8 (9.52) Flare	
			3/8 (9.52) Flare	3/8 (9.52) Flare	
	Gas (R410A) (R22)	in. (mm)	5/8 (15.88) Flare	5/8 (15.88) Flare	
			5/8 (15.88) Flare	3/4 (19.05) Flare	
Diameter of drain pipe	in. (mm)	(VP-25)	(VP-25)		
Drawing	External	RG01N983			
	Wiring	RG79Y106			
	Refrigerant cycle	-			
Standard attachment	Document	Installation Manual, Installation Book			
Optional parts	Air outlet shutter plate (1 set)	PAC-SG06SP-E	PAC-SG06SP-E		
	External Heater Adaptor	PAC-YU24HT-F	PAC-YU24HT-F		
	High-efficiency filter element	PAC-SG01KF	PAC-SG01KF		
	Multi-function casement	PAC-SG03TM-E	PAC-SG03TM-E		
Remark					
	Installation	Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual.			

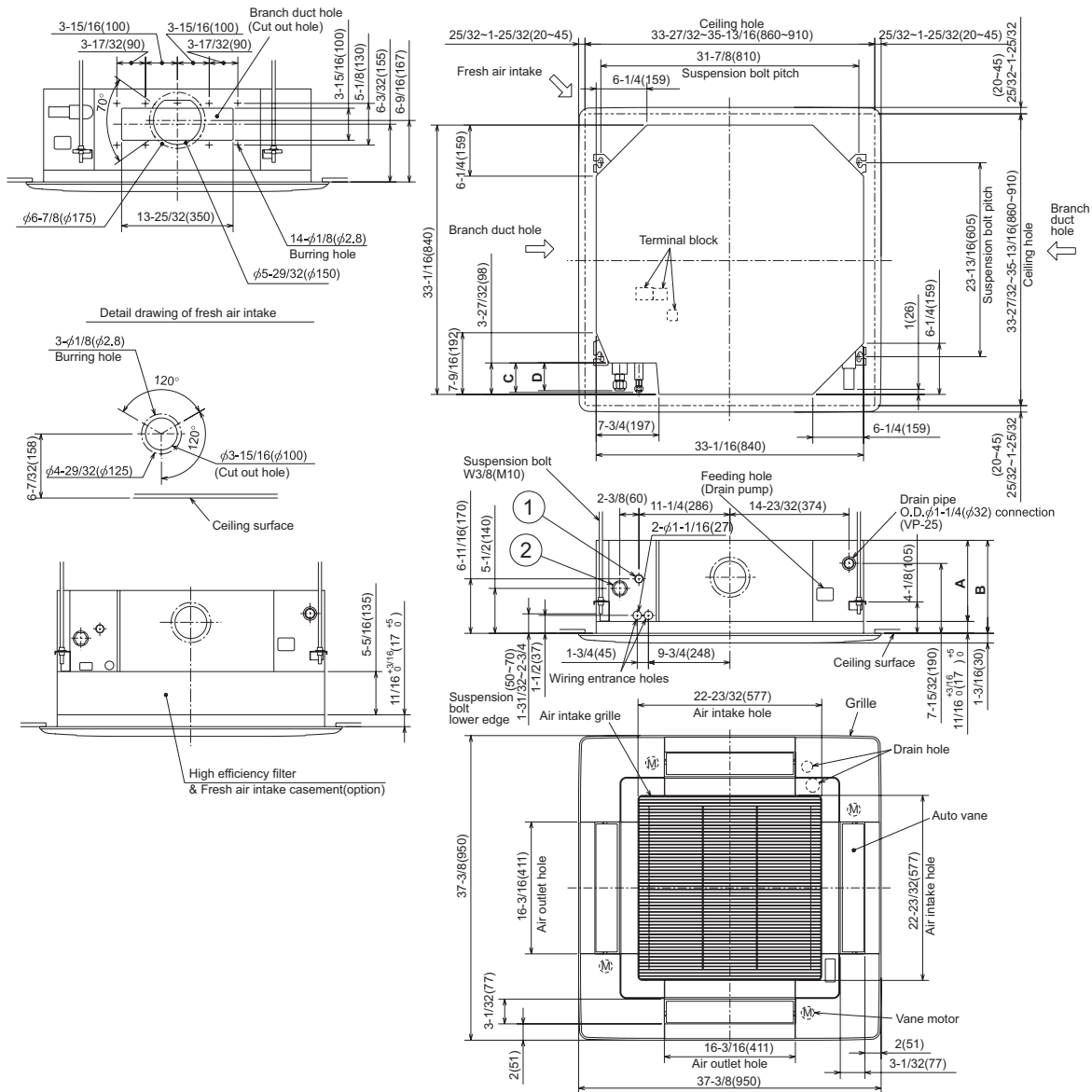
Note :	*1 Nominal cooling conditions	*2 Nominal heating conditions	Unit converter
	Indoor : 80degF D.B. / 67degF W.B. (26.7degC D.B. / 19.4degC W.B.)	70degF D.B. (21.1degC D.B.)	kcal/h = kW x 860 BTU/h = kW x 3,412 cfm = m3/min x 35.31 lbs = kg / 0.4536
	Outdoor : 95degF D.B. (35degC D.B.)	47degF D.B. / 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)	
*Due to continuing improvement, above specification may be subject to change without notice.			*Above specification data is subject to rounding variation.

Ref.: Spec_PLFY-P30-36NAMU-E

2. EXTERNAL DIMENSIONS

PLFY-P12,15,18,24,30,36NAMU-E

Drw. : IU-RG01N983
Unit : in(mm)



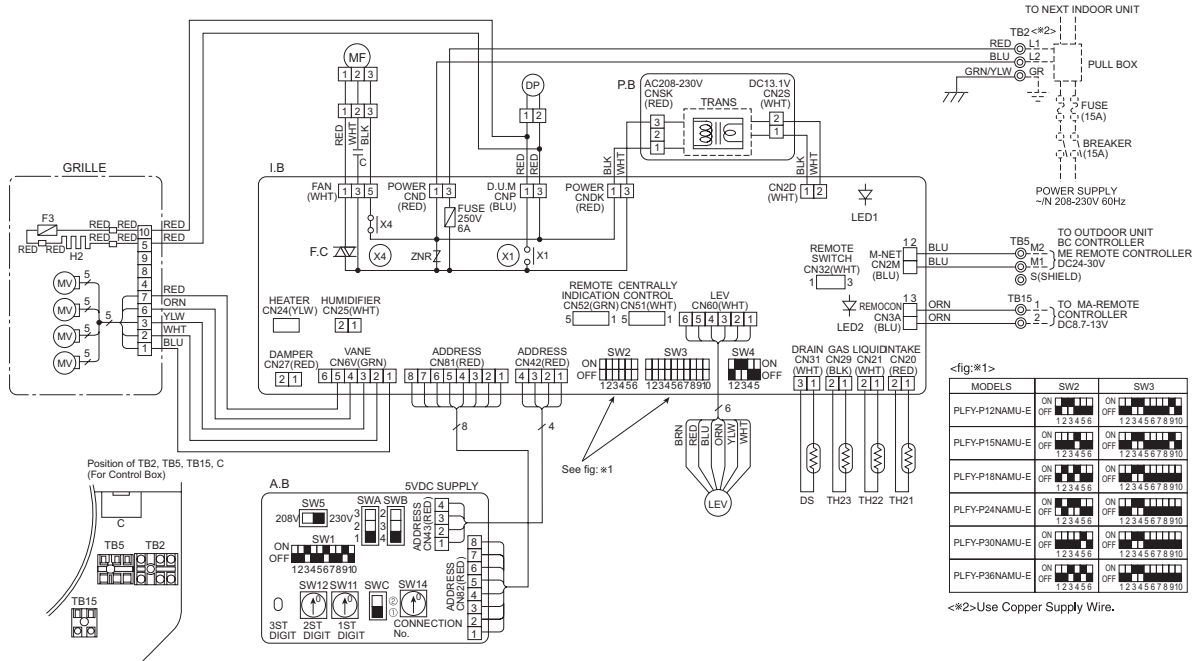
PLFY-P-NAMU-E

Models	O.D.φ : flared		A	B	C	D
	① (Liquid)	② (Gas)				
PLFY-P12NAMU-E	φ1/4" (φ6.35)F	φ1/2" (φ12.7)F			3-11/32 (85)	3 (76)
PLFY-P15NAMU-E						
PLFY-P18NAMU-E	φ1/4" (φ6.35)F (for R410A) φ3/8" (φ9.52)F (for R22A)	φ1/2" (φ12.7)F (for R410A) φ5/8" (φ15.88)F (for R22A)	9-1/2 (241)	10-3/16 (258)		
PLFY-P24NAMU-E					3-1/2 (89)	3-5/32 (80)
PLFY-P30NAMU-E	φ3/8" (φ9.52)F	φ5/8" (φ15.88)F	11-1/16 (281)	11-3/4 (298)		
PLFY-P36NAMU-E		φ5/8" (φ15.88)F (for R410A) φ3/4" (φ19.05)F (for R22A)				3-5/16 (84)

3. ELECTRICAL WIRING DIAGRAMS

PLFY-P12,15,18,24,30,36NAMU-E

Drw. : IU-RG79N900



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 /SW3 dip switches differs in the capacity for the detail, refer to the fig : *1.
- Please set the switch SW5 according to the power supply voltage.

Set SW5 to 230V side when the power supply is 230 volts.

When the power supply is 208 volts, set SW5 to 208V side.

LED on indoor 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

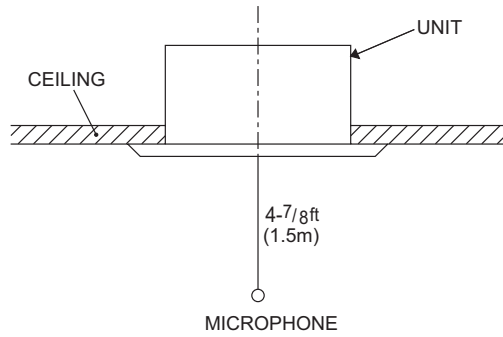
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SYMBOL	NAME	SYMBOL	NAME
A B	CIRCUIT BOARD (ADDRESS)	P. B	INDOOR POWER BOARD
SW1	SWITCH	C	CAPACITOR (FAN MOTOR)
SW5	VOLTAGE SELECTION	DP	DRAIN WATER LIFTING-UP MACHINE
SW11	ADDRESS SETTING 1ST DIGIT	DS	DRAIN SENSOR
SW12	ADDRESS SETTING 2ND DIGIT	F3	FUSE (0.16A/250V)
SW14	CONNECTION No.	H2	DEW PREVENTION HEATER
SWA	CEILING HEIGHT SELECTOR	LEV	LINEAR EXPANSION VALV E
SWB	DISCHARGE OUTLET NUMBER SELECTOR	MF	FAN MOTOR (WITH INNER THERMOSTAT)
SWC	OPTION SELECTOR	MV	VANE MOTOR
I B	INDOOR CONTROLLER BOARD	TB2	TERMINAL
CN24	CONNECTOR	TB5	BLOCK
CN25	HEATER	TB15	MA-REMOTE CONTROLLER
CN27	HUMIDIFIER	TH21	THERMISTOR
CN32	DAMPER		ROOM TEMP. DETECTION (32 F/15k. 77 F/5.4k.)
CN51	REMOTE SWITCH		PIPE TEMP. DETECTION/LIQUID (32 F/15k. 77 F/5.4k.)
CN52	CENTRALLY CONTROL		PIPE TEMP. DETECTION/GAS (32 F/15k. 77 F/5.4k.)
CN52	REMOTE INDICATION		
F. C	FAN PHASE CONTROL		
FUSE	FUSE (6A/250V)		
SW2	SWITCH		
SW3	CAPACITY CODE		
SW3	MODE SELECTION		
SW4	MODE SELECTION		
X1	AUX. RELAY		
X4	FAN MOTOR		
ZNR	VARIATOR		

4. SOUND LEVELS

4-1. Sound levels

Cassette ceiling series

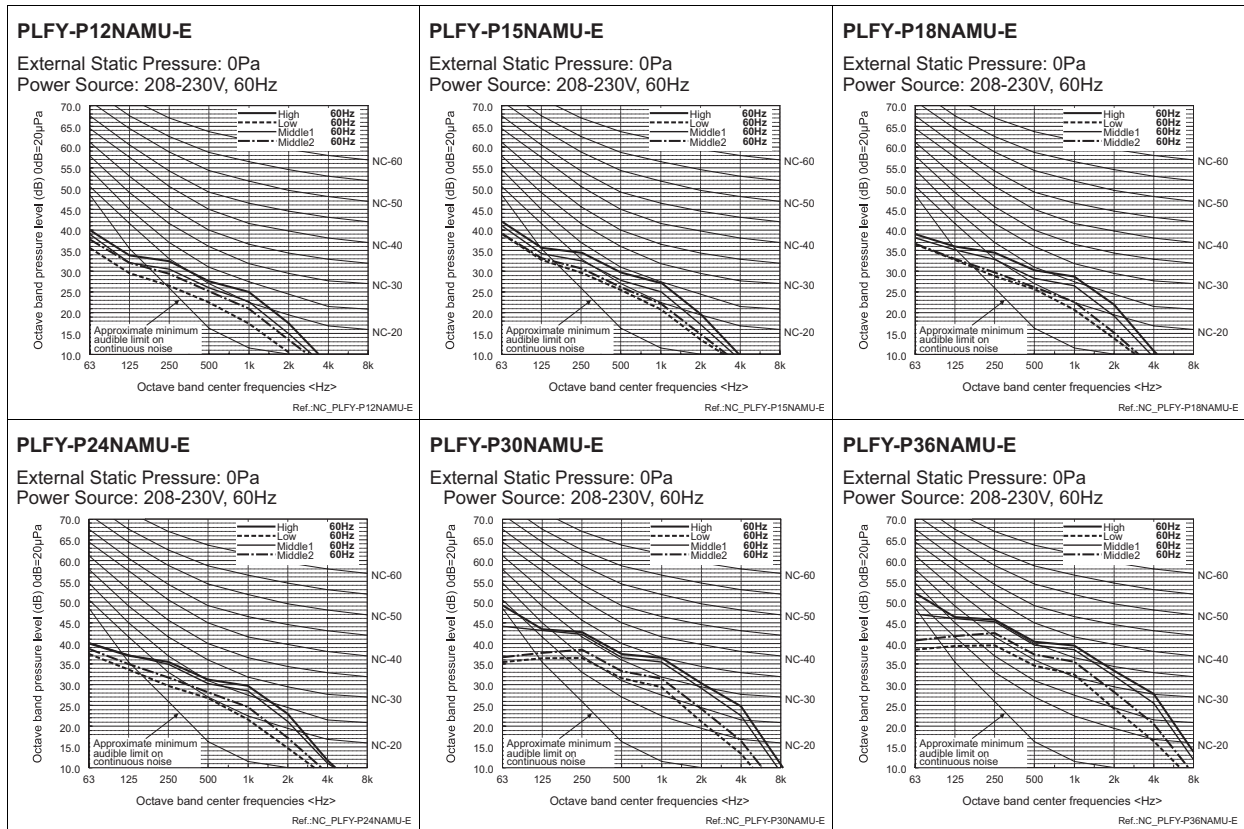


Operating sound levels
(Low-Middle2-Middle1-High)

Unit : dB(A)

Model	Sound level (A weighted)
PLFY-P12NAMU-E	24-27-28-30
PLFY-P15NAMU-E	27-28-30-32
PLFY-P18NAMU-E	27-28-31-33
PLFY-P24NAMU-E	28-30-33-34
PLFY-P30NAMU-E	34-36-40-41
PLFY-P36NAMU-E	37-40-43-44

4-2. NC curves



PLFY-P-NAMU-E

5. CAPACITY TABLES

5-1. Cooling capacity in combination with PUHY, PURY-P72,96TGMU

PLFY-P-NAMU-E

CA : Capacity(BTU/h) SHC : Sensible Heat Capacity(BTU/h)

Model size	Outdoor air temp.	Indoor air temp.													
		71degF D.B. 59degF W.B.		73degF D.B. 61degF W.B.		77degF D.B. 64degF W.B.		80degF D.B. 67degF W.B.		82degF D.B. 68degF W.B.		86degF D.B. 72degF W.B.		90degF D.B. 75degF W.B.	
		degF D.B.	CA	SHC	CA	SHC	CA	SHC	CA	SHC	CA	SHC	CA	SHC	CA
12	68.0	10,700	9,200	11,400	9,400	12,200	9,700	12,900	9,800	13,200	10,100	14,200	10,000	15,000	10,300
	73.0	10,700	9,200	11,400	9,400	12,200	9,700	12,900	9,800	13,200	10,100	14,200	10,000	15,000	10,300
	77.0	10,700	9,200	11,400	9,400	12,200	9,700	12,900	9,800	13,100	10,100	14,000	10,000	14,800	10,200
	82.0	10,600	9,200	11,200	9,300	12,000	9,600	12,600	9,700	12,800	10,000	13,700	9,800	14,500	10,100
	86.0	10,500	9,200	11,100	9,200	11,800	9,600	12,400	9,600	12,600	9,900	13,500	9,800	14,200	10,000
	91.0	10,300	9,100	10,800	9,100	11,500	9,400	12,200	9,500	12,300	9,800	13,200	9,700	13,900	9,900
	95.0	10,200	9,000	10,700	9,100	11,300	9,400	12,000	9,400	12,100	9,700	13,000	9,600	13,600	9,800
	100.0	10,000	8,900	10,500	9,000	11,000	9,300	11,700	9,300	11,800	9,600	12,700	9,500	13,300	9,700
	104.0	9,900	8,900	10,300	8,900	10,800	9,200	11,500	9,200	11,600	9,500	12,400	9,400	13,100	9,600
	110.0	9,700	8,800	10,000	8,800	10,500	9,000	11,200	9,100	11,300	9,400	12,100	9,300	12,700	9,500
15	68.0	13,400	11,500	14,400	11,700	15,300	12,100	16,300	12,100	16,600	12,500	17,900	12,400	18,900	12,800
	73.0	13,400	11,500	14,400	11,700	15,300	12,100	16,300	12,100	16,600	12,500	17,900	12,400	18,900	12,800
	77.0	13,400	11,500	14,400	11,700	15,300	12,100	16,200	12,100	16,500	12,500	17,600	12,300	18,600	12,700
	82.0	13,300	11,400	14,100	11,500	15,000	12,000	15,900	12,000	16,100	12,400	17,200	12,200	18,200	12,500
	86.0	13,200	11,400	13,900	11,400	14,800	11,900	15,600	11,900	15,900	12,300	17,000	12,100	17,900	12,400
	91.0	13,000	11,300	13,600	11,300	14,500	11,700	15,300	11,700	15,500	12,100	16,600	12,000	17,500	12,300
	95.0	12,800	11,200	13,400	11,200	14,200	11,600	15,000	11,600	15,200	12,000	16,300	11,900	17,200	12,200
	100.0	12,600	11,100	13,200	11,100	13,900	11,500	14,700	11,500	14,900	11,900	15,900	11,700	16,700	12,000
	104.0	12,400	11,000	12,900	11,000	13,600	11,400	14,400	11,400	14,600	11,800	15,600	11,600	16,400	11,900
	110.0	12,200	10,900	12,600	10,900	13,200	11,200	14,000	11,300	14,200	11,600	15,200	11,500	15,900	11,800
18	68.0	16,100	14,100	17,300	14,300	18,500	14,900	19,600	14,900	20,000	15,400	21,500	15,300	22,800	15,700
	73.0	16,100	14,100	17,300	14,300	18,500	14,900	19,600	14,900	20,000	15,400	21,500	15,300	22,800	15,700
	77.0	16,100	14,100	17,300	14,300	18,500	14,900	19,500	14,900	19,800	15,400	21,200	15,200	22,400	15,600
	82.0	16,100	14,100	17,000	14,200	18,100	14,700	19,100	14,700	19,400	15,200	20,800	15,000	21,900	15,400
	86.0	15,900	14,000	16,700	14,100	17,800	14,600	18,800	14,600	19,100	15,100	20,400	14,900	21,600	15,300
	91.0	15,600	13,900	16,400	13,900	17,400	14,400	18,400	14,400	18,700	14,900	20,000	14,700	21,000	15,100
	95.0	15,400	13,800	16,200	13,800	17,100	14,300	18,000	14,300	18,300	14,800	19,600	14,600	20,700	15,000
	100.0	15,200	13,700	15,800	13,700	16,700	14,100	17,700	14,200	17,900	14,600	19,200	14,500	20,200	14,800
	104.0	15,000	13,600	15,600	13,600	16,400	14,000	17,400	14,100	17,600	14,500	18,800	14,300	19,800	14,700
	110.0	14,700	13,400	15,200	13,400	15,900	13,800	16,900	13,900	17,100	14,300	18,300	14,200	19,200	14,500
24	68.0	21,300	17,200	22,900	17,500	24,400	18,100	25,900	18,200	26,400	18,700	28,400	18,600	30,100	19,000
	73.0	21,300	17,200	22,900	17,500	24,400	18,100	25,900	18,200	26,400	18,700	28,400	18,600	30,100	19,000
	77.0	21,300	17,200	22,900	17,500	24,400	18,100	25,800	18,100	26,200	18,600	28,000	18,400	29,600	18,800
	82.0	21,200	17,100	22,500	17,300	23,900	17,900	25,300	17,900	25,700	18,400	27,400	18,200	29,000	18,600
	86.0	20,900	17,000	22,100	17,100	23,500	17,700	24,800	17,700	25,200	18,300	27,000	18,000	28,500	18,400
	91.0	20,600	16,800	21,700	16,900	23,000	17,500	24,300	17,500	24,600	18,000	26,400	17,800	27,800	18,200
	95.0	20,300	16,700	21,400	16,800	22,600	17,300	24,000	17,300	24,200	17,800	25,900	17,600	27,300	18,000
	100.0	20,000	16,500	20,900	16,600	22,100	17,100	23,400	17,100	23,700	17,600	25,300	17,400	26,600	17,800
	104.0	19,800	16,400	20,600	16,400	21,700	16,900	22,900	17,000	23,200	17,500	24,900	17,200	26,100	17,600
	110.0	19,400	16,200	20,100	16,200	21,100	16,600	22,300	16,700	22,600	17,200	24,200	17,000	25,400	17,400
30	68.0	26,800	21,200	28,800	21,600	30,700	22,300	32,500	22,400	33,200	23,100	35,800	22,900	37,800	23,400
	73.0	26,800	21,200	28,800	21,600	30,700	22,300	32,500	22,400	33,200	23,100	35,800	22,900	37,800	23,400
	77.0	26,800	21,200	28,800	21,600	30,700	22,300	32,400	22,400	32,900	23,000	35,300	22,700	37,200	23,200
	82.0	26,700	21,100	28,200	21,300	30,100	22,100	31,800	22,100	32,200	22,700	34,500	22,400	36,400	22,900
	86.0	26,300	21,000	27,800	21,100	29,600	21,800	31,200	21,900	31,700	22,500	33,900	22,200	35,800	22,700
	91.0	25,900	20,800	27,300	20,900	28,900	21,500	30,600	21,600	31,000	22,200	33,200	21,900	34,900	22,400
	95.0	25,600	20,600	26,800	20,700	28,400	21,300	30,000	21,400	30,400	22,000	32,600	21,700	34,300	22,200
	100.0	25,200	20,400	26,300	20,400	27,800	21,000	29,400	21,100	29,800	21,700	31,800	21,400	33,500	21,900
	104.0	24,800	20,200	25,900	20,200	27,300	20,800	28,800	20,900	29,200	21,500	31,300	21,200	32,800	21,700
	110.0	24,400	20,000	25,200	19,900	26,500	20,500	28,000	20,600	28,400	21,200	30,400	20,900	31,900	21,300
36	68.0	32,300	25,100	34,600	25,600	37,000	26,500	39,200	26,600	40,000	27,400	43,100	27,200	45,600	27,800
	73.0	32,300	25,100	34,600	25,600	37,000	26,500	39,200	26,600	40,000	27,400	43,100	27,200	45,600	27,800
	77.0	32,300	25,100	34,600	25,600	37,000	26,500	39,100	26,600	39,700	27,300	42,500	26,900	44,800	27,500
	82.0	32,100	25,100	34,000	25,300	36,200	26,200	38,300	26,200	38,800	26,900	41,600	26,600	43,900	27,100
	86.0	31,700	24,900	33,500	25,100	35,600	25,900	37,600	26,000	38,200	26,700	40,900	26,300	43,100	26,900
	91.0	31,200	24,600	32,800	24,800	34,800	25,600	36,800	25,600	37,300	26,300	40,000	26,000	42,100	26,500
	95.0	30,800	24,400	32,300	24,500	34,200	25,300	36,000	25,300	36,700	26,000	39,200	25,700	41,300	26,200
	100.0	30,300	24,200	31,700	24,200	33,500	24,900	35,400	25,000	35,800	25,700	38,300	25,400	40,300	25,900
	104.0	29,900	24,000	31,200	24,000	32,800	24,700	34,700	24,700	35,200	25,400	37,700	25,100	39,600	25,600
	110.0	29,300	23,700	30,400	23,600	31,900	24,300	33,800	24,400	34,200	25,100	36,600	24,700	38,500	25,200

kcal/h = kW x 860, BTU/h = kW x 3,412

Ref.: CC_PLFY-NAMUwithPUHY-P72-96,PURY-P72-96

5. CAPACITY TABLES

5-2. Heating capacity in combination with PUHY,PURY-P72,96TGMU

PLFY-P-NAMU-E SHC : Sensible Heat Capacity(BTU/h)

Model size	Outdoor air temp. degF W.B.	Indoor air temp.			
		59degF D.B.	70degF D.B.	77degF D.B.	81degF D.B.
		SHC	SHC	SHC	SHC
12	5.0	8,600	8,300	8,300	8,200
	14.0	10,200	9,800	9,700	9,700
	23.0	11,800	11,300	11,100	9,900
	32.0	13,400	12,800	11,400	9,900
	37.0	14,400	13,500	11,400	9,900
	43.0	14,700	13,500	11,400	9,900
	46.0	15,500	13,500	11,400	9,900
	50.0	16,200	13,500	11,400	9,900
	55.0	17,300	13,500	11,400	9,900
	65.0	19,200	13,500	11,400	9,900
15	5.0	10,700	10,400	10,400	10,300
	14.0	12,700	12,300	12,100	12,100
	23.0	14,700	14,100	13,900	12,400
	32.0	16,700	16,000	14,200	12,400
	37.0	17,900	17,000	14,200	12,400
	43.0	18,400	17,000	14,200	12,400
	46.0	19,300	17,000	14,200	12,400
	50.0	20,300	17,000	14,200	12,400
	55.0	21,600	17,000	14,200	12,400
	65.0	23,000	17,000	14,200	12,400
18	5.0	12,600	12,300	12,300	12,100
	14.0	15,000	14,500	14,300	14,300
	23.0	17,400	16,600	16,400	14,700
	32.0	19,700	18,900	16,800	14,700
	37.0	21,200	20,000	16,800	14,700
	43.0	21,700	20,000	16,800	14,700
	46.0	22,800	20,000	16,800	14,700
	50.0	23,900	20,000	16,800	14,700
	55.0	25,500	20,000	16,800	14,700
	65.0	27,200	20,000	16,800	14,700
24	5.0	16,900	16,400	16,400	16,200
	14.0	20,100	19,400	19,200	19,100
	23.0	23,300	22,300	21,900	19,700
	32.0	26,400	25,300	22,500	19,700
	37.0	28,400	27,000	22,500	19,700
	43.0	29,100	27,000	22,500	19,700
	46.0	30,500	27,000	22,500	19,700
	50.0	32,000	27,000	22,500	19,700
	55.0	34,200	27,000	22,500	19,700
	65.0	36,400	27,000	22,500	19,700
30	5.0	21,400	20,800	20,800	20,500
	14.0	25,500	24,600	24,300	24,200
	23.0	29,500	28,200	27,700	24,900
	32.0	33,500	32,000	28,400	24,900
	37.0	35,900	34,000	28,400	24,900
	43.0	36,800	34,000	28,400	24,900
	46.0	38,700	34,000	28,400	24,900
	50.0	40,500	34,000	28,400	24,900
	55.0	43,300	34,000	28,400	24,900
	65.0	46,100	34,000	28,400	24,900
36	5.0	25,100	24,400	24,300	24,000
	14.0	29,800	28,700	28,400	28,300
	23.0	34,500	33,000	32,500	29,100
	32.0	39,200	37,400	33,300	29,100
	37.0	42,000	39,900	33,300	29,100
	43.0	43,100	40,000	33,300	29,100
	46.0	45,200	40,000	33,300	29,100
	50.0	47,400	40,000	33,300	29,100
	55.0	50,700	40,000	33,300	29,100
	65.0	53,900	40,000	33,300	29,100

kcal/h = kW x 860, BTU/h = kW x 3,412

Ref.: HC_PLFY-NAMUwithPUHY-P72-96,PURY-P72-96

PLFY-P-NAMU-E

5. CAPACITY TABLES

5-3. Cooling capacity in combination with PUHY, PURY-P108TGMU

PLFY-P-NAMU-E

CA : Capacity(BTU/h) SHC : Sensible Heat Capacity(BTU/h)

Model size	Outdoor air temp. degF D.B.	Indoor air temp.													
		71degF D.B. 59degF W.B.		73degF D.B. 61degF W.B.		77degF D.B. 64degF W.B.		80degF D.B. 67degF W.B.		82degF D.B. 68degF W.B.		86degF D.B. 72degF W.B.		90degF D.B. 75degF W.B.	
		CA	SHC	CA	SHC	CA	SHC	CA	SHC	CA	SHC	CA	SHC	CA	SHC
12	68.0	11,600	9,700	12,000	9,600	12,800	10,000	13,400	10,000	13,800	10,300	14,700	10,200	15,500	10,400
	73.0	11,500	9,700	11,900	9,600	12,600	9,900	13,200	9,900	13,500	10,200	14,400	10,100	15,100	10,300
	77.0	11,400	9,600	11,700	9,500	12,400	9,800	12,900	9,800	13,300	10,100	14,200	10,000	14,900	10,200
	82.0	11,200	9,500	11,500	9,400	12,100	9,700	12,700	9,700	13,000	10,000	13,900	9,900	14,600	10,100
	86.0	11,000	9,400	11,300	9,300	11,900	9,600	12,400	9,600	12,800	9,900	13,600	9,800	14,300	10,000
	91.0	10,800	9,300	11,000	9,200	11,700	9,500	12,200	9,500	12,500	9,800	13,300	9,700	14,000	9,900
	95.0	10,600	9,200	10,800	9,100	11,500	9,400	12,000	9,400	12,300	9,800	13,100	9,600	13,700	9,900
	100.0	10,400	9,100	10,600	9,000	11,200	9,300	11,700	9,300	12,000	9,600	12,800	9,500	13,400	9,700
	104.0	10,300	9,100	10,400	8,900	11,000	9,200	11,400	9,200	11,700	9,600	12,500	9,400	13,200	9,700
110.0	10,000	9,000	10,100	8,800	10,700	9,100	11,100	9,100	11,400	9,400	12,200	9,300	12,800	9,500	
15	68.0	14,600	12,000	15,100	12,000	16,100	12,400	16,900	12,400	17,300	12,800	18,500	12,700	19,400	12,900
	73.0	14,500	12,000	15,000	11,900	15,900	12,300	16,500	12,300	17,000	12,700	18,200	12,500	19,000	12,800
	77.0	14,300	11,900	14,800	11,800	15,600	12,200	16,300	12,100	16,700	12,600	17,800	12,400	18,700	12,700
	82.0	14,100	11,800	14,400	11,700	15,300	12,100	15,900	12,000	16,300	12,400	17,500	12,300	18,300	12,600
	86.0	13,800	11,700	14,200	11,600	15,000	11,900	15,600	11,900	16,000	12,300	17,100	12,200	18,000	12,400
	91.0	13,600	11,600	13,900	11,400	14,700	11,800	15,300	11,800	15,700	12,200	16,800	12,000	17,600	12,300
	95.0	13,400	11,500	13,600	11,300	14,400	11,700	15,000	11,600	15,400	12,100	16,500	11,900	17,300	12,200
	100.0	13,100	11,300	13,300	11,200	14,100	11,500	14,700	11,500	15,000	11,900	16,100	11,800	16,900	12,100
	104.0	12,900	11,200	13,100	11,100	13,800	11,400	14,400	11,400	14,800	11,800	15,800	11,700	16,500	12,000
110.0	12,600	11,100	12,700	10,900	13,400	11,300	14,000	11,200	14,300	11,700	15,300	11,500	16,100	11,800	
18	68.0	17,600	14,800	18,200	14,700	19,400	15,300	20,300	15,200	20,900	15,800	22,300	15,600	23,400	15,900
	73.0	17,500	14,700	18,100	14,700	19,100	15,100	19,900	15,100	20,500	15,600	21,900	15,400	22,900	15,800
	77.0	17,200	14,600	17,800	14,500	18,800	15,000	19,600	14,900	20,100	15,500	21,500	15,300	22,600	15,600
	82.0	16,900	14,500	17,400	14,300	18,400	14,800	19,200	14,800	19,700	15,300	21,000	15,100	22,100	15,500
	86.0	16,700	14,300	17,100	14,200	18,100	14,700	18,800	14,600	19,300	15,200	20,700	15,000	21,700	15,300
	91.0	16,400	14,200	16,700	14,100	17,600	14,500	18,400	14,500	18,900	15,000	20,200	14,800	21,200	15,200
	95.0	16,100	14,100	16,400	13,900	17,300	14,400	18,000	14,300	18,600	14,900	19,800	14,700	20,800	15,000
	100.0	15,800	13,900	16,000	13,800	16,900	14,200	17,700	14,200	18,100	14,700	19,300	14,500	20,300	14,900
	104.0	15,600	13,800	15,800	13,600	16,600	14,100	17,300	14,000	17,800	14,600	19,000	14,400	19,900	14,800
110.0	15,200	13,700	15,300	13,400	16,100	13,900	16,800	13,800	17,300	14,400	18,400	14,200	19,300	14,600	
24	68.0	23,200	18,100	24,000	18,000	25,700	18,600	26,900	18,600	27,600	19,200	29,500	19,000	30,900	19,300
	73.0	23,100	18,000	23,900	17,900	25,200	18,500	26,300	18,300	27,000	19,000	28,900	18,700	30,300	19,100
	77.0	22,800	17,900	23,500	17,700	24,800	18,300	25,900	18,200	26,600	18,800	28,400	18,500	29,800	18,900
	82.0	22,400	17,700	23,000	17,500	24,300	18,000	25,300	17,900	26,000	18,600	27,800	18,300	29,100	18,700
	86.0	22,000	17,500	22,600	17,300	23,900	17,800	24,900	17,800	25,500	18,400	27,300	18,100	28,600	18,500
	91.0	21,600	17,300	22,100	17,100	23,300	17,600	24,300	17,500	25,000	18,100	26,700	17,900	28,000	18,300
	95.0	21,300	17,100	21,700	16,900	22,900	17,400	24,000	17,300	24,500	18,000	26,200	17,700	27,500	18,100
	100.0	20,900	16,900	21,200	16,700	22,400	17,200	23,300	17,100	23,900	17,700	25,600	17,500	26,800	17,900
	104.0	20,500	16,800	20,800	16,500	21,900	17,000	22,900	16,900	23,500	17,600	25,100	17,300	26,300	17,700
110.0	20,100	16,600	20,200	16,200	21,300	16,700	22,200	16,700	22,800	17,300	24,400	17,100	25,600	17,400	
30	68.0	29,200	22,300	30,200	22,200	32,200	23,000	33,800	22,900	34,700	23,700	37,100	23,400	38,900	23,800
	73.0	29,000	22,300	30,000	22,200	31,700	22,800	33,100	22,700	34,000	23,400	36,300	23,100	38,100	23,500
	77.0	28,600	22,100	29,500	21,900	31,200	22,500	32,500	22,400	33,400	23,200	35,700	22,900	37,400	23,300
	82.0	28,100	21,800	28,900	21,600	30,500	22,300	31,800	22,100	32,700	22,900	34,900	22,600	36,600	23,000
	86.0	27,700	21,600	28,400	21,400	30,000	22,000	31,300	21,900	32,100	22,600	34,300	22,300	36,000	22,800
	91.0	27,200	21,400	27,800	21,100	29,300	21,700	30,600	21,600	31,400	22,400	33,500	22,100	35,200	22,500
	95.0	26,800	21,200	27,300	20,900	28,800	21,500	30,000	21,400	30,800	22,100	32,900	21,800	34,500	22,200
	100.0	26,200	20,900	26,600	20,600	28,100	21,200	29,300	21,100	30,100	21,800	32,100	21,500	33,700	22,000
	104.0	25,800	20,700	26,200	20,400	27,600	21,000	28,800	20,900	29,500	21,600	31,500	21,300	33,100	21,700
110.0	25,200	20,400	25,400	20,000	26,800	20,600	28,000	20,500	28,700	21,300	30,600	21,000	32,100	21,400	
36	68.0	35,100	26,500	36,300	26,400	38,800	27,400	40,700	27,300	41,800	28,200	44,700	27,800	46,800	28,200
	73.0	35,000	26,500	36,200	26,400	38,200	27,100	39,900	26,900	40,900	27,800	43,700	27,400	45,900	27,900
	77.0	34,500	26,200	35,600	26,100	37,600	26,800	39,200	26,600	40,200	27,500	43,000	27,100	45,100	27,600
	82.0	33,900	25,900	34,800	25,700	36,800	26,400	38,300	26,300	39,300	27,100	42,100	26,800	44,100	27,200
	86.0	33,300	25,700	34,200	25,400	36,100	26,100	37,700	26,000	38,700	26,900	41,300	26,500	43,400	27,000
	91.0	32,700	25,400	33,500	25,100	35,300	25,800	36,900	25,600	37,800	26,500	40,400	26,100	42,400	26,600
	95.0	32,200	25,100	32,800	24,800	34,700	25,500	36,000	25,300	37,100	26,200	39,600	25,900	41,600	26,300
	100.0	31,600	24,800	32,100	24,400	33,900	25,100	35,300	25,000	36,200	25,900	38,700	25,500	40,600	26,000
	104.0	31,100	24,600	31,500	24,200	33,200	24,800	34,600	24,700	35,600	25,600	38,000	25,200	39,900	25,700
110.0	30,400	24,200	30,600	23,700	32,300	24,400	33,700	24,300	34,500	25,200	36,900	24,800	38,700	25,300	

kcal/h = kW x 860, BTU/h = kW x 3,412

Ref.: CC_PLFY-NAMUwithPUHY-P108-144,PURY-P108-144

5. CAPACITY TABLES

5-4. Heating capacity in combination with PUHY, PURY-P108TGMU

PLFY-P-NAMU-E		SHC : Sensible Heat Capacity(BTU/h)			
Model size	Outdoor air temp. degF W.B.	Indoor air temp.			
		59degF D.B.	70degF D.B.	77degF D.B.	81degF D.B.
		SHC	SHC	SHC	SHC
12	5.0	8,400	8,200	8,000	8,000
	14.0	9,900	9,500	9,300	9,200
	23.0	11,400	10,800	10,500	9,200
	32.0	12,900	12,100	10,700	9,200
	37.0	13,800	12,900	10,700	9,200
	43.0	14,700	13,500	10,700	9,200
	46.0	15,300	13,500	10,700	9,200
	50.0	15,900	13,500	10,700	9,200
	55.0	16,500	13,500	10,700	9,200
	60.0	16,500	13,500	10,700	9,200
65.0	16,500	13,500	10,700	9,200	
15	5.0	10,500	10,200	10,000	10,000
	14.0	12,400	11,900	11,600	11,500
	23.0	14,300	13,500	13,100	11,500
	32.0	16,100	15,100	13,400	11,500
	37.0	17,200	16,100	13,400	11,500
	43.0	18,300	17,000	13,400	11,500
	46.0	19,100	17,000	13,400	11,500
	50.0	19,800	17,000	13,400	11,500
	55.0	20,600	17,000	13,400	11,500
	60.0	20,600	17,000	13,400	11,500
65.0	20,600	17,000	13,400	11,500	
18	5.0	12,400	12,100	11,900	11,900
	14.0	14,600	14,100	13,700	13,600
	23.0	16,800	15,900	15,500	13,600
	32.0	19,000	17,800	15,800	13,600
	37.0	20,300	19,000	15,800	13,600
	43.0	21,600	20,000	15,800	13,600
	46.0	22,500	20,000	15,800	13,600
	50.0	23,400	20,000	15,800	13,600
	55.0	24,400	20,000	15,800	13,600
	60.0	24,400	20,000	15,800	13,600
65.0	24,400	20,000	15,800	13,600	
24	5.0	16,700	16,200	15,900	15,900
	14.0	19,600	18,800	18,300	18,200
	23.0	22,500	21,300	20,700	18,200
	32.0	25,400	23,900	21,200	18,200
	37.0	27,200	25,400	21,200	18,200
	43.0	29,000	27,000	21,200	18,200
	46.0	30,100	27,000	21,200	18,200
	50.0	31,300	27,000	21,200	18,200
	55.0	32,600	27,000	21,200	18,200
	60.0	32,600	27,000	21,200	18,200
65.0	32,600	27,000	21,200	18,200	
30	5.0	21,100	20,500	20,100	20,100
	14.0	24,800	23,800	23,200	23,000
	23.0	28,500	27,000	26,200	23,000
	32.0	32,200	30,200	26,800	23,000
	37.0	34,500	32,200	26,800	23,000
	43.0	36,700	34,000	26,800	23,000
	46.0	38,100	34,000	26,800	23,000
	50.0	39,600	34,000	26,800	23,000
	55.0	41,300	34,000	26,800	23,000
	60.0	41,300	34,000	26,800	23,000
65.0	41,300	34,000	26,800	23,000	
36	5.0	24,700	24,000	23,500	23,500
	14.0	29,000	27,900	27,100	26,900
	23.0	33,400	31,500	30,700	26,900
	32.0	37,700	35,300	31,400	26,900
	37.0	40,300	37,600	31,400	26,900
	43.0	42,900	40,000	31,400	26,900
	46.0	44,600	40,000	31,400	26,900
	50.0	46,400	40,000	31,400	26,900
	55.0	48,300	40,000	31,400	26,900
	60.0	48,300	40,000	31,400	26,900
65.0	48,300	40,000	31,400	26,900	

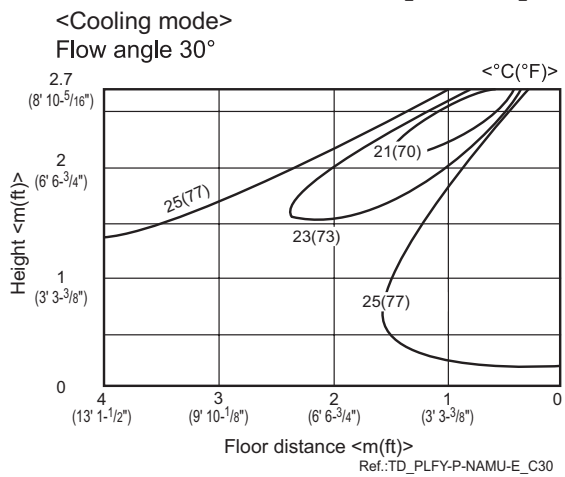
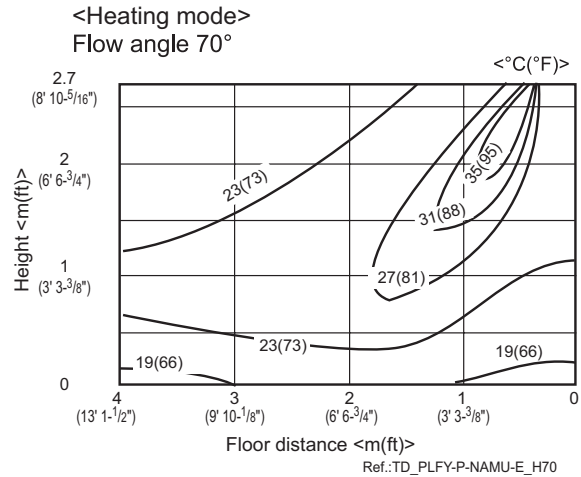
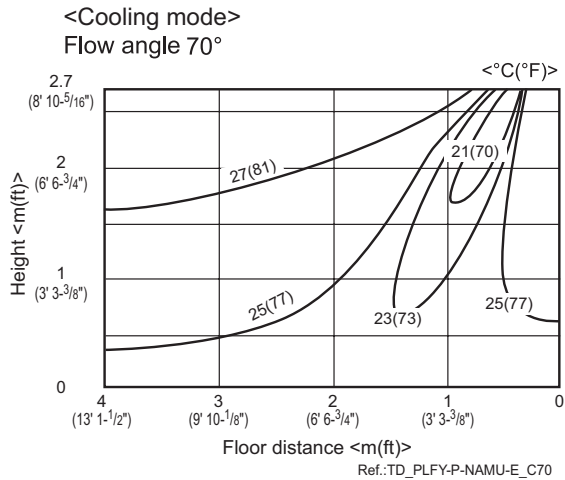
kcal/h = kW x 860, BTU/h = kW x 3,412

Ref.: HC_PLFY-NAMUwithPUHY-P108-144,PURY-P108-144

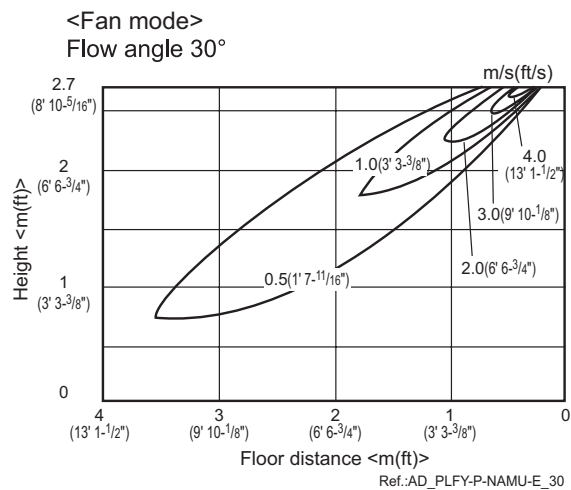
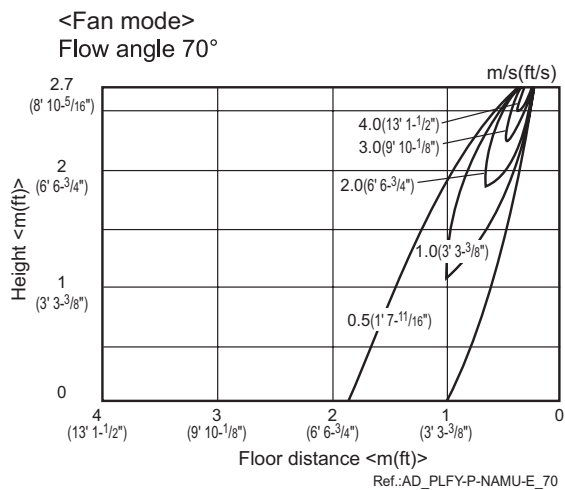
PLFY-P-NAMU-E

6. TEMPERATURE/AIRFLOW DISTRIBUTIONS

6-1. Temperature distributions



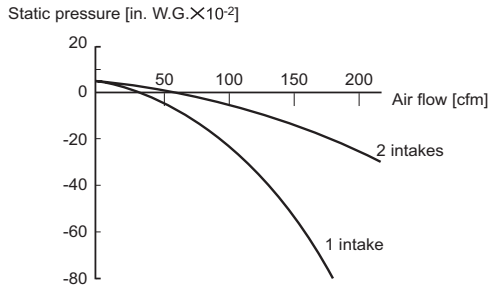
6-2. Airflow distributions



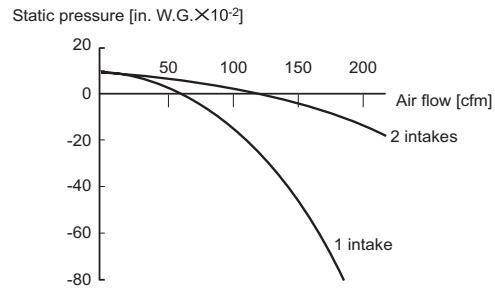
7. OUTDOOR AIR INTAKE AMOUNT & STATIC PRESSURE

● PLFY-P12,15,18,24NAMU-E

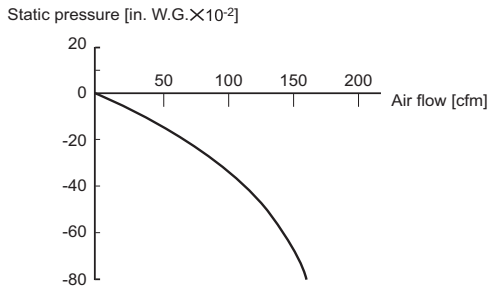
Multifunction casement + Standard filter



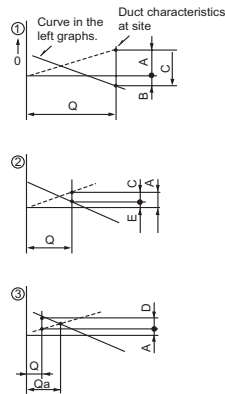
Multifunction casement + High efficiency filter



Taking air into the unit



How to read curves

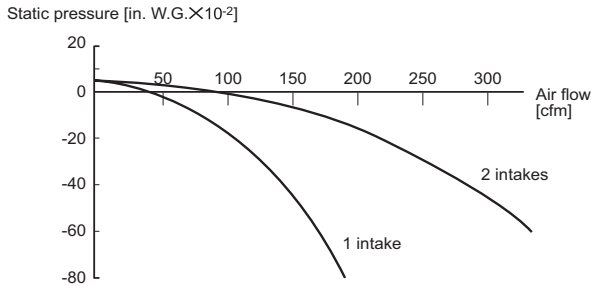


- Q...Planned amount of fresh air intake <cfm>
- A...Static pressure loss of fresh air intake duct system with air flow amount Q <in.W.G. x 10⁻²>
- B...Forced static pressure at air conditioner inlet with air flow amount Q <in.W.G. x 10⁻²>
- C...Static pressure of booster fan with air flow amount Q 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

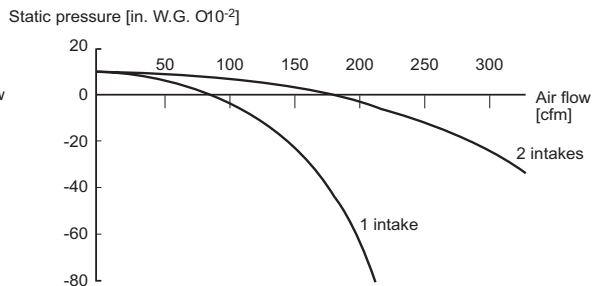
PLFY-P-NAMU-E

● PLFY-P30,36NAMU-E

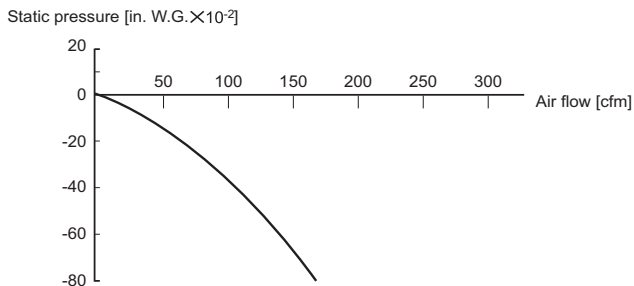
Multifunction casement + Standard filter



Multifunction casement + High efficiency filter



Taking air into the unit



8. OPTIONAL PARTS

Description	Model	Applicable capacity
Decoration panel	PLP-6AA	PLFY-P12,15,18,24,30,36NAMU-E
Air outlet shutter plate (1 set=2 pieces)	PAC-SG06SP-E	
High efficiency filter casement ¹	PAC-SG01KF	
Multi-function casement (requires high efficiency filter)	PAC-SG03TM-E	

Notes:

¹ PAC-SG03TM-E is required when using the high efficiency filter casement.