

TECHNICAL DATA

No. OCD781-T

Ceiling Cassettes **R410A**

Indoor unit
[Model Name]

PLA-A12EA7

PLA-A18EA7

PLA-A24EA7

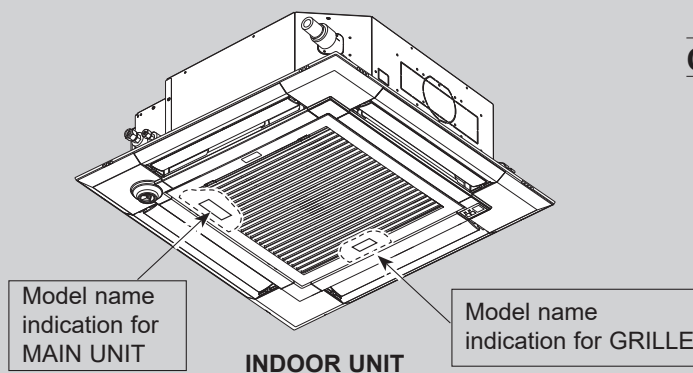
PLA-A30EA7

PLA-A36EA7

PLA-A42EA7

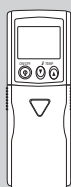
Grille model
[Model Name]

PLP-41EAEU



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**IR WIRELESS REMOTE
CONTROLLER**
(Option)



**WIRED REMOTE
CONTROLLER**
(Option)

1

SPECIFICATIONS

1-1. INVERTER

Model name	Indoor unit	PLA-A12EA7	PLA-A18EA7	PLA-A24EA7	PLA-A30EA7	PLA-A36EA7	PLA-A42EA7	
	Outdoor unit	PUY-A12NKA7	PUY-A18NKA7	PUY-A24NHA7	PUY-A30NHA7	PUY-A36NKA7	PUY-A42NKA7	
Cooling	Max. Capacity	Btu/h	12,000	18,000	24,000	30,000	36,000	42,000
	Rated Capacity	Btu/h	12,000	18,000	24,000	30,000	36,000	42,000
	Min. Capacity	Btu/h	5,800	8,000	10,000	9,000	16,000	16,000
	Total Input	W	730	1,250	1,670	2,540	2,780	3,590
	EER	Btu/h/W	16.4	14.4	14.3	11.8	12.9	11.6
	SEER	Btu/h/W	27.0	24.6	24.2	22.8	21.8	21.0
	Moisture Removal	Pints/h	1.2	2.4	3.0	5.4	4.5	7.9
	SHF		0.89	0.85	0.86	0.80	0.86	0.79
	Power factor	%	93.4	95.3	94.3	95.2	93.7	94.6
	Heating	Max. Capacity	Btu/h	-	-	-	-	-
Rated Capacity		Btu/h	-	-	-	-	-	
Min. Capacity		Btu/h	-	-	-	-	-	
Total Input		W	-	-	-	-	-	
COP		W/W	-	-	-	-	-	
HSPF(IVV)		Btu/h/W	-	-	-	-	-	
Power factor		%	-	-	-	-	-	
Heating at low ambient	Rated Capacity	Btu/h	-	-	-	-	-	
	Total Input	W	-	-	-	-	-	
	COP	W/W	-	-	-	-	-	
Power supply	Phase,Cycle,Voltage	1phase, 60Hz, 208/230V						
	Breaker size	A	15	25	30			
Voltage	Indoor - Outdoor S1-S2	AC208V / 230V						
	Indoor - Outdoor S2-S3	DC24V						
	Indoor - Remote controller	DC12V						
Indoor unit	MCA	A	1			2		
	MOCP	A	15					
	Fan Motor	F.L.A	0.36		0.60	0.74	0.95	
	Fan Motor Output	W	50		120	120		
	Air flow DRY	CMM	12-13-14-15	13-14-16-17	15-18-20-23	16-19-22-25	19-24-29-34	21-26-30-34
	(Lo-M2-M1-Hi) WET	CMM	10-11-12-14	11-13-15-17	14-17-19-22	15-18-21-24	18-23-28-33	20-25-29-33
	Air flow DRY	CFM	420-460-490-530	460-490-570-600	530-640-710-810	570-670-780-880	670-850-1,020-1,200	740-920-1,060-1,200
	(Lo-M2-M1-Hi) WET	CFM	380-420-450-490	420-450-530-560	490-600-670-770	530-630-740-840	630-810-980-1,160	700-880-1,020-1,160
	External pressure	in.WG[Pa]	0					
	Sound level (Lo-M2-M1-Hi)	dB(A)	27-28-29-30	28-29-31-32	28-30-33-36	28-32-35-38	32-37-41-44	34-38-42-45
	External finish		White Munsell 1.0Y 9.2/0.2					
	Dimension	W:mm[inch]	840 (950) [33-1/16 (37-13/32)]					
	Unit (Panel)	D:mm[inch]	840 (950) [33-1/16 (37-13/32)]					
		H:mm[inch]	258(40)[10-3/16(1-9/16)]		298(40)[11-3/4(1-9/16)]			
Weight Unit	kg	21		25		56		
	lbs	46		56				
Field Drain pipe size	mm[inch]	32[1-1/4]						
Remote controller		Attached in indoor unit						
Outdoor unit	MCA	A	11	19	25			
	MOCP	A	28	26	31			
	Fan Motor	F.L.A	0.5	0.4	0.5 + 0.5			
	Fan Motor Output	W	46	86	74			
	Compressor	Type	SNB092FNCM	SNB130FNCM2	SNB172FVHM1	MNB333FBRMC-L		
		R.L.A	7					
		L.R.A	12	11	13			
	Air flow	CMM[CFM]	45[1,590]	55[1,940]	110[3,880]			
	Refrigerant Control		Electronic Expansion Valve					
	Defrost Method		-					
	Sound level at cooling	dB(A)	44	47	52			
	Sound level at heating	dB(A)	-					
	External finish		Ivory Munsell 3Y 7.8/1.1					
	Dimension	W:mm[inch]	809+62 [31-13/16 + 7/16]		950 [37-13/32]	330 + 30 [13 + 1-3/16]	1,050 [41-5/16]	
D:mm[inch]		300 [11-3/16]		943 [37-1/8]	1,338 [52-11/16]			
H:mm[inch]		630 [24-13/16]		68[151]	96[211]			
Weight	kg[lbs]	41[92]	44[99]	68[151]	96[211]			
Refrigerant	Type	R410A						
	Charge	kg[lbs,oz]	2.0 [4 lbs 7 oz]	2.2 [4 lbs 14 oz]	3.5 [7 lbs 11 oz]	4.7 [10 lbs 6 oz]		
	Oil	L[oz]	0.35 (FV50S) [12]	0.50 (FV50S) [16]	0.70 (FV50S) [23]	1.40 (FV50S) [45]		
Refrigerant pipe size	Gas side O.D.	mm[inch]	12.7[1/2]		15.88[5/8]			
	Liquid side O.D.	mm[inch]	6.35[1/4]		9.52[3/8]			
Refrigerant pipe length	Height difference	Max. 30m [Max.100ft]						
	Length	Max. 50m [Max.165ft]			Max. 69m [Max.225ft]			
Refrigerant piping		Not Supplied						
Connection Method		Flared						

NOTES: *1.Rating conditions (cooling)-Indoor : D.B. 26.7°C(80°F), W.B. 19.4°C(67°F) Outdoor : D.B. 35°C(95°F), W.B. 23.9°C(75°F)

Operating range

Cooling	Indoor intake air temperature		Outdoor intake air temperature	
	Maximum	D.B. 32°C(90°F), W.B. 23°C(73°F)	D.B. 46°C(115°F)	D.B. -5°C(23°F)
Minimum	D.B. 19°C(66°F), W.B. 15°C(59°F)	D.B. -28.9°C(-20°F)*		

* In case that the wind baffle is installed. (In case that the wind baffle is not installed, the minimum temperature will be -5°C(23°F)DB.)



Model name	Indoor unit		PLA-A12EA7	PLA-A18EA7	PLA-A24EA7	PLA-A30EA7	PLA-A36EA7	PLA-A42EA7	
Cooling	Outdoor unit		PUZ-A12NKA7	PUZ-A18NKA7	PUZ-A24NHA7	PUZ-A30NHA7	PUZ-A36NKA7	PUZ-A42NKA7	
	Max. Capacity	Btu/h	12,000	18,000	24,000	30,000	36,000	42,000	
	Rated Capacity	Btu/h	12,000	18,000	24,000	30,000	36,000	42,000	
	Min. Capacity	Btu/h	5,800	8,000	10,000	9,000	16,000	16,000	
	Total Input	W	730	1,250	1,670	2,540	2,780	3,590	
	EER	Btu/h/W	16.4	14.4	14.3	11.8	12.9	11.6	
	SEER	Btu/h/W	27.0	24.6	24.2	22.8	21.8	21.0	
	Moisture Removal	Pints/h	1.2	2.4	3.0	5.4	4.5	7.9	
	SHF		0.89	0.85	0.86	0.80	0.86	0.79	
	Power factor	%	93.4	95.3	94.3	95.2	93.7	94.6	
Heating	Max. Capacity	Btu/h	20,000	23,000	29,000	33,000	42,000	48,000	
	Rated Capacity	Btu/h	14,000	19,000	26,000	32,000	38,000	45,000	
	Min. Capacity	Btu/h	5,500	7,900	9,000	9,000	18,000	18,000	
	Total Input	W	830	1,300	1,750	2,400	2,540	3,290	
	COP	W/W	4.94	4.28	4.35	3.90	4.38	4.00	
	HSPF (IV/V)	Btu/h/W	12.8/8.8	11.0/7.8	11.2/8.1	11.6/8.4	10.4/7.6	9.3/7.3	
	Power factor	%	95.0	95.8	95.1	95.7	93.6	94.1	
	Heating at low ambient	Rated Capacity	Btu/h	10,100	11,000	14,900	18,100	22,000	28,000
		Total Input	W	1,170	1,300	1,600	1,880	2,490	3,070
		COP	W/W	2.53	2.47	2.72	2.82	2.58	2.67
Power supply	Phase,Cycle,Voltage		1phase, 60Hz, 208/230V						
	Breaker size	A	15		25		30		
Voltage	Indoor - Outdoor S1-S2		AC208V / 230V						
	Indoor - Outdoor S2-S3		DC24V						
	Indoor - Remote controller		DC12V						
Indoor unit	MCA	A	1				2		
	MOCP	A	15						
	Fan Motor	F.L.A	0.36		0.60	0.74		0.95	
	Fan Motor Output	W	50		120		120		
	Air flow DRY	CMM	12-13-14-15	13-14-16-17	15-18-20-23	16-19-22-25	19-24-29-34	21-26-30-34	
	(Lo-M2-M1-Hi) WET	CMM	10-11-12-14	11-13-15-17	14-17-19-22	15-18-21-24	18-23-28-33	20-25-29-33	
	Air flow DRY	CFM	420-460-490-530	460-490-570-600	530-640-710-810	570-670-780-880	670-850-1,020-1,200	740-920-1,060-1,200	
	(Lo-M2-M1-Hi) WET	CFM	380-420-450-490	420-450-530-560	490-600-670-770	530-630-740-840	630-810-980-1,160	700-880-1,020-1,160	
	External pressure	in.WG[Pa]	0						
	Sound level (Lo-M2-M1-Hi)	dB(A)	27-28-29-30	28-29-31-32	28-30-33-36	28-32-35-38	32-37-41-44	34-38-42-45	
	External finish		White Munsell 1.0Y 9.2/0.2						
	Dimension	W:mm[inch]	840 (950) [33-1/16 (37-13/32)]						
	Unit (Panel)	D:mm[inch]	840 (950) [33-1/16 (37-13/32)]						
		H:mm[inch]	258(40)[10-3/16(1-9/16)]		298(40)[11-3/4(1-9/16)]				
	Weight Unit	kg	21		25		56		
lbs		46		56		123			
Field Drain pipe size	mm[inch]	32[1-1/4]							
Remote controller		Attached in indoor unit							
Outdoor unit	MCA	A	11				25		
	MOCP	A	28		26		31		
	Fan Motor	F.L.A	0.5		0.4		0.5 + 0.5		
	Fan Motor Output	W	46		86		74		
	Compressor	Type	SNB092FNCM	SNB130FNCM2	SNB172FVHM1		MNB33FBRMC-L		
		R.L.A		7			8		
		L.R.A		12		11	13		
	Air flow	CMM[CFM]	45[1,590]		55[1,940]		110[3,880]		
	Refrigerant Control		Electronic Expansion Valve						
	Defrost Method		Reverse Cycle						
	Sound level at cooling	dB(A)	44		47		52		
	Sound level at heating	dB(A)	46		48		53		
	External finish		Ivory Munsell 3Y 7.8/1.1						
	Dimension	W:mm[inch]	809+62 [31-13/16 + 7/16]		950 [37-13/32]		1,050 [41-5/16]		
		D:mm[inch]	300 [11-3/16]		330 + 30 [13 + 1-3/16]				
H:mm[inch]		630 [24-13/16]		943 [37-1/8]		1,338 [52-11/16]			
Weight	kg[lbs]	42 [93]	45[100]	69[153]		97[214]			
Refrigerant	Type	R410A							
	Charge	kg[lbs.oz]	2.0 [4 lbs 7 oz]	2.2 [4 lbs 14 oz]	3.5 [7 lbs 11 oz]		4.7 [10 lbs 6 oz]		
Refrigerant pipe size	Gas side O.D.	mm[inch]	12.7[1/2]			15.88[5/8]			
	Liquid side O.D.	mm[inch]	6.35[1/4]			9.52[3/8]			
Refrigerant pipe length	Height difference		Max. 30m [Max.100ft]				Max. 50m [Max.165ft]		
	Length		Max. 30m [Max.100ft]				Max. 50m [Max.165ft]		
Refrigerant piping		Not Supplied							
Connection Method		Flared							

NOTES : *1.Rating conditions (cooling)-Indoor : D.B. 26.7°C(80°F), W.B. 19.4°C(67°F) Outdoor : D.B. 35°C(95°F), W.B. 23.9°C(75°F)
 (heating)-Indoor : D.B. 21.1°C(70°F), W.B. 15.6°C(60°F) Outdoor : D.B. 8.3°C(47°F), W.B. 6.1°C(43°F)
 *2.Rating conditions (heating)-Indoor : D.B. 21.1°C(70°F), W.B. 15.6°C(60°F) Outdoor : D.B. -8.3°C(17°F), W.B. -9.4°C(15°F)

Operating range (For PLA-A12/18EA7 model)

Cooling	Maximum	Indoor intake air temperature		Outdoor intake air temperature	
		Minimum	D.B. 32°C(90°F), W.B. 23°C(73°F)	D.B. 19°C(66°F), W.B. 15°C(59°F)	D.B. 46°C(115°F)
Heating	Maximum	D.B. 28°C(82°F)		D.B. 21°C(70°F), W.B. 15°C(59°F)	
		Minimum	D.B. 10°C(50°F)		D.B. -11°C(12°F), W.B. -12°C(10°F)

Operating range (For PLA-A24/30/36/42EA7 model)

Cooling	Maximum	Indoor intake air temperature		Outdoor intake air temperature	
		Minimum	D.B. 32°C(90°F), W.B. 23°C(73°F)	D.B. 19°C(66°F), W.B. 15°C(59°F)	D.B. 46°C(115°F)
Heating	Maximum	D.B. 28°C(82°F)		D.B. 21°C(70°F), W.B. 15°C(59°F)	
		Minimum	D.B. 10°C(50°F)		D.B. -20°C(-4°F), W.B. -20°C(-4°F)

* In case that the wind baffle is installed. (In case that the wind baffle is not installed, the minimum temperature will be -5°C(23°F)DB.)

1-2. HYPER HEATING INVERTER

Model name	Indoor unit		PLA-A24EA7	PLA-A30EA7	PLA-A36EA7	PLA-A42EA7	
	Outdoor unit		PUZ-HA24NHA1	PUZ-HA30NKA	PUZ-HA36NKA	PUZ-HA42NKA1	
Cooling	Rated Capacity	Btu/h	24,000	30,000	36,000	42,000	
	Capacity Range	Btu/h	10,000-24,000	14,600-30,000	14,800-36,000	18,800-42,000	
	Total input	W	1,710	2,120	2,750	3,920	
	Energy Efficiency	EER		14.0	14.1	13.0	10.7
		SEER		21.5	20.2	20.0	16.3
	Moisture Removal	Pints/h		3.0	5.4	5.5	4.5
	Sensible Heat Factor			0.86	0.80	0.83	0.88
Power Factor	%		98	98	98	99	
Heating at 47°F	Rated Capacity	Btu/h	26,000	32,000	38,000	48,000	
	Capacity Range	Btu/h	10,000-28,000	14,200-34,000	16,700-40,000	17,000-54,000	
	Total input	W	1,700	2,260	2,650	4,210	
	HSPF(Region IV)	Btu/h/W	11.3	9.8	10.4	9.8	
	Power Factor	%		98	98	99	
Heating at 17°F	Rated Capacity	Btu/h	17,300	20,600	24,200	40,500	
	Rated Total input	W	1,816	2,365	2,715	5,385	
	Maximum Capacity	Btu/h	26,000	32,000	38,000	48,000	
	Maximum Total Input	W	3,000	3,935	4,785	6,385	
Heating at 5°F	Maximum Capacity	Btu/h	26,000	32,000	38,000	48,000	
	Maximum Total Input	W	3,966	4,645	5,465	7,235	
Power supply	Voltage, Phase, Cycle		1-phase, 60Hz, 208/230V				
Voltage	Indoor - Outdoor S1-S2		AC 208/230V				
	Indoor - Outdoor S2-S3		DC24V				
	Indoor - Remote controller		DC12V				
Indoor unit	MCA	A	1.0		2.0		
	Fan Motor	F.L.A	0.49	0.59	0.98	1.05	
	Fan Motor Output	W	120				
	Air flow (Lo-Mid-Hi)	DRY(CFM)	530-640-710-810	570-670-780-880	670-850-1,020-1,200	740-920-1,060-1,200	
		WET(CFM)	490-600-670-770	530-630-740-840	630-810-980-1,160	700-880-1,020-1,160	
	External Static Pressure	in WG	0				
	Sound Pressure Level (Lo-Mid-Hi)	dB (A)	28-30-33-36	28-32-35-38	32-37-41-44	34-38-42-45	
	External Finish Color	White Munsell 1.0Y 9.2/0.2					
	Dimensions	W: in	33-1/16(37-13/32)				
		D: in	33-1/16(37-13/32)				
		H: in	11-3/4(1-9/16)				
	Weight Unit	lbs	56(11)				
	Field Drainpipe O.D.	in	1-1/4				
Refrigerant pipe Gas	in	5/8					
Refrigerant pipe Liquid	in	3/8					
Outdoor unit	MCA	A	17	24	26	36	
	MOCP	A	27	40	42	44	
	SCCR	A	5	5	5	5	
	Inverter input	A	10	16	16	24	
	Compressor	Model(Type)	DNB28FBAMT	ANB33FJMMT	ANB33FJMMT	ANB42FJTMT	
	Air flow (Cooling/Heating)	CFM	1,940/1,940	3,880/3,880	3,880/3,880	3,319/3,319	
	Refrigerant Control	Electronic Expansion Valve					
	Defrost Method	Reverse Cycle					
	SPL (Cooling)	dB (A)	52			49	
	SPL (Heating)	dB (A)	53			51	
	External Finish Color	Ivory Munsell 3Y 7.8/1.1					
	Dimension	W: in	37-13/32	41-11/32			
		D: in	12-63/64+63/64				
		H: in	37-1/8	52-43/64			
	Weight	lbs	86	118		128	
Remote Controller	Type	Attached in indoor unit					
Refrigerant	Type	R410A					
	Charge	lbs, oz	7 lbs 11 oz	11 lbs 7 oz		13 lbs 4 oz	
	Oil	Type(Fl.oz.)	FVC68D (34 oz)	FV50S(47 oz)		FVC68D(57 oz)	
Refrigerant Pipe	Gas side O.D.	in	5/8				
	Liquid side O.D.	in	3/8				
	Height Difference (Max)	ft	100				
	Length (Max.)	ft	165	245			
Connection Method	Indoor/Outdoor	Flared					
Operation Guarantee	Cooling	°F (°C)	* 0 to 115 (-18 to 46)				
	Heating	°F (°C)	-13 to 75 (-25 to 24)				

NOTES: 1. Rating conditions (cooling)-Indoor: D.B. 26.7°C (80°F), W.B. 19.4°C (67°F) Outdoor: D.B. 35°C (95°F), W.B. 23.9°C (75°F)
 (heating)-Indoor: D.B. 21.1°C (70°F), W.B. 15.6°C (60°F) Outdoor: D.B. 8.3°C (47°F), W.B. 6.1°C (43°F)
 2. Rating conditions (heating)-Indoor: D.B. 21.1°C (70°F), W.B. 15.6°C (60°F) Outdoor: D.B. -8.3°C (17°F), W.B. -9.4°C (15°F)

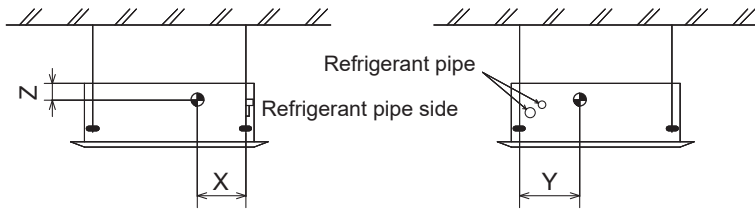
Operating range

		Indoor intake air temperature		Outdoor intake air temperature	
Cooling	Maximum	D.B. 32°C (90°F), W.B. 23°C (73°F)		D.B. 46°C (115°F)	
	Minimum	D.B. 19°C (66°F), W.B. 15°C (59°F)		D.B. -5°C (23°F) D.B. -18°C (0°F)*	
Heating	Maximum	D.B. 28°C (83°F)		D.B. 21.1°C (70°F), W.B. 15°C (59°F)	
	Minimum	D.B. 10°C (50°F)		D.B. -25°C (-13°F), W.B. -25°C (-13°F)	

* In case that the wind baffle is installed. (In case that the wind baffle is not installed, the minimum temperature will be -5°C (23°F) DB.)

2

POSITION OF THE CENTER OF GRAVITY



Unit: inch (mm)

Model name	X	Y	Z
PLA-A12EA7 PLA-A18EA7	12-13/16 (325)	15-3/8 (390)	4-9/16 (115)
PLA-A24EA7 PLA-A30EA7 PLA-A36EA7 PLA-A42EA7	12-13/16 (325)	14-31/32 (380)	3-15/16 (100)

3

PERFORMANCE CHART

3-1. INVERTER

3-1-1. COOLING CAPACITY

PLA-A12EA7/PUY-A12NKA7, PUZ-A12NKA7

CAPACITY (Btu/h): 12,000 INPUT (kW): 0.73 SHF: 0.89

Indoor intake air D.B.(°C)	Indoor intake air D.B.(°F)	Indoor intake air W.B.(°C)	Indoor intake air W.B.(°F)	Outdoor intake air °C/F D.B.																							
				20/68				25/77				30/86				35/95				40/104				46/115			
				CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
19	66	16	61	11,580	9,102	0.79	0.61	11,412	8,970	0.79	0.63	11,184	8,791	0.79	0.67	10,896	8,564	0.79	0.71	10,524	8,272	0.79	0.76	9,972	7,838	0.79	0.84
19	66	18	64	12,324	8,208	0.67	0.62	12,156	8,096	0.67	0.65	11,916	7,936	0.67	0.68	11,604	7,728	0.67	0.73	11,208	7,465	0.67	0.78	10,620	7,073	0.67	0.85
20	68	16	61	11,580	9,565	0.83	0.61	11,412	9,426	0.83	0.63	11,184	9,238	0.83	0.67	10,896	9,000	0.83	0.71	10,524	8,693	0.83	0.76	9,972	8,237	0.83	0.84
20	68	18	64	12,324	8,701	0.71	0.62	12,156	8,582	0.71	0.65	11,916	8,413	0.71	0.68	11,604	8,192	0.71	0.73	11,208	7,913	0.71	0.78	10,620	7,498	0.71	0.85
20	68	20	68	13,092	7,672	0.59	0.64	12,912	7,566	0.59	0.66	12,672	7,423	0.59	0.70	12,336	7,229	0.59	0.74	11,916	6,983	0.59	0.79	11,268	6,603	0.59	0.87
22	72	16	61	11,580	10,491	0.91	0.61	11,412	10,339	0.91	0.63	11,184	10,133	0.91	0.67	10,896	9,872	0.91	0.71	10,524	9,535	0.91	0.76	9,972	9,035	0.91	0.84
22	72	18	64	12,324	9,687	0.79	0.62	12,156	9,555	0.79	0.65	11,916	9,366	0.79	0.68	11,604	9,121	0.79	0.73	11,208	8,809	0.79	0.78	10,620	8,347	0.79	0.85
22	72	20	68	13,092	8,719	0.67	0.64	12,912	8,599	0.67	0.66	12,672	8,440	0.67	0.70	12,336	8,216	0.67	0.74	11,916	7,936	0.67	0.79	11,268	7,504	0.67	0.87
24	75	16	61	11,580	11,418	0.99	0.61	11,412	11,252	0.99	0.63	11,184	11,027	0.99	0.67	10,896	10,743	0.99	0.71	10,524	10,377	0.99	0.76	9,972	9,832	0.99	0.84
24	75	18	64	12,324	10,673	0.87	0.62	12,156	10,527	0.87	0.65	11,916	10,319	0.87	0.68	11,604	10,049	0.87	0.73	11,208	9,706	0.87	0.78	10,620	9,197	0.87	0.85
24	75	20	68	13,092	9,767	0.75	0.64	12,912	9,632	0.75	0.66	12,672	9,453	0.75	0.70	12,336	9,203	0.75	0.74	11,916	8,889	0.75	0.79	11,268	8,406	0.75	0.87
24	75	22	72	13,860	8,676	0.63	0.65	13,692	8,571	0.63	0.68	13,428	8,406	0.63	0.71	13,080	8,188	0.63	0.75	12,624	7,903	0.63	0.81	11,916	7,459	0.63	0.89
26	79	16	61	11,580	11,580	1.00	0.61	11,412	11,412	1.00	0.63	11,184	11,184	1.00	0.67	10,896	10,896	1.00	0.71	10,524	10,524	1.00	0.76	9,972	9,972	1.00	0.84
26	79	18	64	12,324	11,659	0.95	0.62	12,156	11,500	0.95	0.65	11,916	11,273	0.95	0.68	11,604	10,977	0.95	0.73	11,208	10,603	0.95	0.78	10,620	10,047	0.95	0.85
26	79	20	68	13,092	10,814	0.83	0.64	12,912	10,665	0.83	0.66	12,672	10,467	0.83	0.70	12,336	10,190	0.83	0.74	11,916	9,843	0.83	0.79	11,268	9,307	0.83	0.87
26	79	22	72	13,860	9,785	0.71	0.65	13,692	9,667	0.71	0.68	13,428	9,480	0.71	0.71	13,080	9,234	0.71	0.75	12,624	8,913	0.71	0.81	11,916	8,413	0.71	0.89
27	81	16	61	11,580	11,580	1.00	0.61	11,412	11,412	1.00	0.63	11,184	11,184	1.00	0.67	10,896	10,896	1.00	0.71	10,524	10,524	1.00	0.76	9,972	9,972	1.00	0.84
27	81	18	64	12,324	12,151	0.99	0.62	12,156	11,986	0.99	0.65	11,916	11,749	0.99	0.68	11,604	11,442	0.99	0.73	11,208	11,051	0.99	0.78	10,620	10,471	0.99	0.85
27	81	20	68	13,092	11,338	0.87	0.64	12,912	11,182	0.87	0.66	12,672	10,974	0.87	0.70	12,336	10,683	0.87	0.74	11,916	10,319	0.87	0.79	11,268	9,758	0.87	0.87
27	81	22	72	13,860	10,340	0.75	0.65	13,692	10,214	0.75	0.68	13,428	10,017	0.75	0.71	13,080	9,758	0.75	0.75	12,624	9,418	0.75	0.81	11,916	8,889	0.75	0.89
28	82	16	61	11,580	11,580	1.00	0.61	11,412	11,412	1.00	0.63	11,184	11,184	1.00	0.67	10,896	10,896	1.00	0.71	10,524	10,524	1.00	0.76	9,972	9,972	1.00	0.84
28	82	18	64	12,324	12,324	1.00	0.62	12,156	12,156	1.00	0.65	11,916	11,916	1.00	0.68	11,604	11,604	1.00	0.73	11,208	11,208	1.00	0.78	10,620	10,620	1.00	0.85
28	82	20	68	13,092	11,861	0.91	0.64	12,912	11,698	0.91	0.66	12,672	11,481	0.91	0.70	12,336	11,176	0.91	0.74	11,916	10,796	0.91	0.79	11,268	10,209	0.91	0.87
28	82	22	72	13,860	10,894	0.79	0.65	13,692	10,762	0.79	0.68	13,428	10,554	0.79	0.71	13,080	10,281	0.79	0.75	12,624	9,922	0.79	0.81	11,916	9,366	0.79	0.89
30	86	16	61	11,580	11,580	1.00	0.61	11,412	11,412	1.00	0.63	11,184	11,184	1.00	0.67	10,896	10,896	1.00	0.71	10,524	10,524	1.00	0.76	9,972	9,972	1.00	0.84
30	86	18	64	12,324	12,324	1.00	0.62	12,156	12,156	1.00	0.65	11,916	11,916	1.00	0.68	11,604	11,604	1.00	0.73	11,208	11,208	1.00	0.78	10,620	10,620	1.00	0.85
30	86	20	68	13,092	12,909	0.99	0.64	12,912	12,731	0.99	0.66	12,672	12,495	0.99	0.70	12,336	12,163	0.99	0.74	11,916	11,749	0.99	0.79	11,268	11,110	0.99	0.87
30	86	22	72	13,860	12,003	0.87	0.65	13,692	11,857	0.87	0.68	13,428	11,329	0.87	0.71	13,080	11,327	0.87	0.75	12,624	10,932	0.87	0.81	11,916	10,319	0.87	0.89
32	90	16	61	11,580	11,580	1.00	0.61	11,412	11,412	1.00	0.63	11,184	11,184	1.00	0.67	10,896	10,896	1.00	0.71	10,524	10,524	1.00	0.76	9,972	9,972	1.00	0.84
32	90	18	64	12,324	12,324	1.00	0.62	12,156	12,156	1.00	0.65	11,916	11,916	1.00	0.68	11,604	11,604	1.00	0.73	11,208	11,208	1.00	0.78	10,620	10,620	1.00	0.85
32	90	20	68	13,092	13,092	1.00	0.64	12,912	12,912	1.00	0.66	12,672	12,672	1.00	0.70	12,336	12,336	1.00	0.74	11,916	11,916	1.00	0.79	11,268	11,268	1.00	0.87
32	90	22	72	13,860	13,112	0.95	0.65	13,692	12,953	0.95	0.68	13,428	12,703	0.95	0.71	13,080	12,374	0.95	0.75	12,624	11,942	0.95	0.81	11,916	11,273	0.95	0.89

PLA-A18EA7/PUY-A18NKA7, PUZ-A18NKA7

CAPACITY (Btu/h): 18,000 INPUT (kW): 1.25 SHF: 0.85

Indoor intake air D.B.(°C)	Indoor intake air D.B.(°F)	Indoor intake air W.B.(°C)	Indoor intake air W.B.(°F)	Outdoor intake air °C/F D.B.																							
				20/68				25/77				30/86				35/95				40/104				46/115			
				CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
19	66	16	61	17,370	12,958	0.75	1.04	17,118	12,770	0.75	1.08	16,776	12,515	0.75	1.14	16,344	12,193	0.75	1.22	15,786	11,776	0.75	1.31	14,958	11,159	0.75	1.44
19	66	18	64	18,486	11,572	0.63	1.07	18,234	11,414	0.63	1.11	17,874	11,189	0.63	1.17	17,406	10,896	0.63	1.24	16,812	10,524	0.63	1.33	15,930	9,972	0.63	1.46
20	68	16	61	17,370	13,653	0.79	1.04	17,118	13,455	0.79	1.08	16,776	13,186	0.79	1.14	16,344	12,846	0.79	1.22	15,786	12,408	0.79	1.31	14,958	11,757	0.79	1.44
20	68	18	64	18,486	12,312	0.67	1.07	18,234	12,144	0.67	1.11	17,874	11,904	0.67	1.17	17,406	11,592	0.67	1.24	16,812	11,197	0.67	1.33	15,930	10,609	0.67	1.46
20	68	20	68	19,638	10,722	0.55	1.09	19,368	10,575	0.55	1.14	19,008	10,378	0.55	1.19	18,504	10,103	0.55	1.27	17,874	9,759	0.55	1.36	16,902	9,228	0.55	1.49
22	72	16	61	17,370	15,042	0.87	1.04	17,118	14,824	0.87	1.08	16,776	14,528	0.87	1.14	16,344	14,154	0.87	1.22	15,786	13,671	0.87	1.31	14,958	12,954	0.87	1.44
22	72	18	64	18,486	13,791	0.75	1.07	18,234	13,603	0.75	1.11	17,874	13,334	0.75	1.17	17,406	12,985	0.75	1.24	16,812	12,542	0.75	1.33	15,930	11,884	0.75	1.46
22	72	20	68	19,638	12,293	0.63	1.09	19,368	12,124	0.63	1.14	19,008	11,899	0.63	1.19	18,504	11,584	0.63	1.27	17,874	11,189	0.63	1.36	16,902	10,581	0.63	1.49
24	75	16	61	17,370	16,432	0.95	1.04	17,118	16,194	0.95	1.08	16,776	15,870	0.95	1.14	16,344	15,461	0.95	1.22	15,786	14,934	0.95	1.31	14,958	14,150		

PLA-A24EA7/PUY-A24NHA7, PUZ-A24NHA7

CAPACITY (Btu/h): 24,000 INPUT (kW): 1.67 SHF: 0.86

Indoor intake air D.B.(°C)	Indoor intake air D.B.(°F)	Indoor intake air W.B.(°C)	Indoor intake air W.B.(°F)	Outdoor intake air °C/°F D.B.																							
				20/68				25/77				30/86				35/95				40/104				46/115			
				CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
19	66	16	61	23,160	17,509	0.76	1.39	22,824	17,255	0.76	1.45	22,368	16,910	0.76	1.53	21,792	16,475	0.76	1.63	21,048	15,912	0.76	1.75	19,944	15,078	0.76	1.92
19	66	18	64	24,648	18,653	0.64	1.42	24,312	18,424	0.64	1.48	23,832	18,110	0.64	1.56	23,208	17,760	0.64	1.66	22,416	17,257	0.64	1.78	21,240	16,509	0.64	1.95
20	68	16	61	23,160	18,435	0.80	1.39	22,824	18,168	0.80	1.45	22,368	17,805	0.80	1.53	21,792	17,346	0.80	1.63	21,048	16,754	0.80	1.75	19,944	15,875	0.80	1.92
20	68	18	64	24,648	18,662	0.68	1.42	24,312	18,435	0.68	1.48	23,832	18,110	0.68	1.56	23,208	17,689	0.68	1.66	22,416	17,153	0.68	1.78	21,240	16,509	0.68	1.95
20	68	20	68	26,184	14,558	0.56	1.46	25,824	14,358	0.56	1.52	25,344	14,091	0.56	1.59	24,672	13,718	0.56	1.69	23,832	13,251	0.56	1.81	22,536	12,530	0.56	1.99
22	72	16	61	23,160	20,288	0.88	1.39	22,824	19,994	0.88	1.45	22,368	19,594	0.88	1.53	21,792	19,090	0.88	1.63	21,048	18,438	0.88	1.75	19,944	17,471	0.88	1.92
22	72	18	64	24,648	18,634	0.76	1.42	24,312	18,380	0.76	1.48	23,832	18,017	0.76	1.56	23,208	17,545	0.76	1.66	22,416	16,946	0.76	1.78	21,240	16,057	0.76	1.95
22	72	20	68	26,184	16,653	0.64	1.46	25,824	16,424	0.64	1.52	25,344	16,119	0.64	1.59	24,672	15,691	0.64	1.69	23,832	15,157	0.64	1.81	22,536	14,333	0.64	1.99
24	75	16	61	23,160	22,141	0.96	1.39	22,824	21,820	0.96	1.45	22,368	21,384	0.96	1.53	21,792	20,833	0.96	1.63	21,048	20,122	0.96	1.75	19,944	19,066	0.96	1.92
24	75	18	64	24,648	20,606	0.84	1.42	24,312	20,325	0.84	1.48	23,832	19,924	0.84	1.56	23,208	19,402	0.84	1.66	22,416	18,740	0.84	1.78	21,240	17,757	0.84	1.95
24	75	20	68	26,184	18,748	0.72	1.46	25,824	18,490	0.72	1.52	25,344	18,146	0.72	1.59	24,672	17,665	0.72	1.69	23,832	17,064	0.72	1.81	22,536	16,136	0.72	1.99
24	75	22	72	27,720	16,521	0.60	1.49	27,384	16,321	0.60	1.55	26,856	16,006	0.60	1.62	26,160	15,591	0.60	1.73	25,248	15,048	0.60	1.85	23,832	14,204	0.60	2.03
26	79	16	61	23,160	23,160	1.00	1.39	22,824	22,824	1.00	1.45	22,368	22,368	1.00	1.53	21,792	21,792	1.00	1.63	21,048	21,048	1.00	1.75	19,944	19,944	1.00	1.92
26	79	18	64	24,648	22,578	0.92	1.42	24,312	22,270	0.92	1.48	23,832	21,830	0.92	1.56	23,208	21,259	0.92	1.66	22,416	20,533	0.92	1.78	21,240	19,456	0.92	1.95
26	79	20	68	26,184	20,842	0.80	1.46	25,824	20,556	0.80	1.52	25,344	20,174	0.80	1.59	24,672	19,639	0.80	1.69	23,832	19,070	0.80	1.81	22,536	17,939	0.80	1.99
26	79	22	72	27,720	18,739	0.68	1.49	27,384	18,512	0.68	1.55	26,856	18,155	0.68	1.62	26,160	17,684	0.68	1.73	25,248	17,068	0.68	1.85	23,832	16,110	0.68	2.03
27	81	16	61	23,160	23,160	1.00	1.39	22,824	22,824	1.00	1.45	22,368	22,368	1.00	1.53	21,792	21,792	1.00	1.63	21,048	21,048	1.00	1.75	19,944	19,944	1.00	1.92
27	81	18	64	24,648	23,563	0.96	1.42	24,312	23,242	0.96	1.48	23,832	22,783	0.96	1.56	23,208	22,187	0.96	1.66	22,416	21,430	0.96	1.78	21,240	20,305	0.96	1.95
27	81	20	68	26,184	21,890	0.84	1.46	25,824	21,589	0.84	1.52	25,344	21,188	0.84	1.59	24,672	20,626	0.84	1.69	23,832	19,924	0.84	1.81	22,536	18,840	0.84	1.99
27	81	22	72	27,720	19,848	0.72	1.49	27,384	19,607	0.72	1.55	26,856	19,229	0.72	1.62	26,160	18,731	0.72	1.73	25,248	18,078	0.72	1.85	23,832	17,064	0.72	2.03
28	82	16	61	23,160	23,160	1.00	1.39	22,824	22,824	1.00	1.45	22,368	22,368	1.00	1.53	21,792	21,792	1.00	1.63	21,048	21,048	1.00	1.75	19,944	19,944	1.00	1.92
28	82	18	64	24,648	24,549	1.00	1.42	24,312	24,215	1.00	1.48	23,832	23,737	1.00	1.56	23,208	23,115	1.00	1.66	22,416	22,326	1.00	1.78	21,240	21,155	1.00	1.95
28	82	20	68	26,184	22,937	0.88	1.46	25,824	22,622	0.88	1.52	25,344	22,201	0.88	1.59	24,672	21,613	0.88	1.69	23,832	20,877	0.88	1.81	22,536	19,742	0.88	1.99
28	82	22	72	27,720	20,956	0.76	1.49	27,384	20,702	0.76	1.55	26,856	20,303	0.76	1.62	26,160	19,777	0.76	1.73	25,248	19,087	0.76	1.85	23,832	18,017	0.76	2.03
30	86	16	61	23,160	23,160	1.00	1.39	22,824	22,824	1.00	1.45	22,368	22,368	1.00	1.53	21,792	21,792	1.00	1.63	21,048	21,048	1.00	1.75	19,944	19,944	1.00	1.92
30	86	18	64	24,648	24,648	1.00	1.42	24,312	24,312	1.00	1.48	23,832	23,832	1.00	1.56	23,208	23,208	1.00	1.66	22,416	22,416	1.00	1.78	21,240	21,240	1.00	1.95
30	86	20	68	26,184	25,032	0.96	1.46	25,824	24,688	0.96	1.52	25,344	24,229	0.96	1.59	24,672	23,586	0.96	1.69	23,832	22,783	0.96	1.81	22,536	21,544	0.96	1.99
30	86	22	72	27,720	23,174	0.84	1.49	27,384	22,893	0.84	1.55	26,856	22,452	0.84	1.62	26,160	21,870	0.84	1.73	25,248	21,107	0.84	1.85	23,832	19,924	0.84	2.03
32	90	16	61	23,160	23,160	1.00	1.39	22,824	22,824	1.00	1.45	22,368	22,368	1.00	1.53	21,792	21,792	1.00	1.63	21,048	21,048	1.00	1.75	19,944	19,944	1.00	1.92
32	90	18	64	24,648	24,648	1.00	1.42	24,312	24,312	1.00	1.48	23,832	23,832	1.00	1.56	23,208	23,208	1.00	1.66	22,416	22,416	1.00	1.78	21,240	21,240	1.00	1.95
32	90	20	68	26,184	26,184	1.00	1.46	25,824	25,824	1.00	1.52	25,344	25,344	1.00	1.59	24,672	24,672	1.00	1.69	23,832	23,832	1.00	1.81	22,536	22,536	1.00	1.99
32	90	22	72	27,720	25,392	0.92	1.49	27,384	25,084	0.92	1.55	26,856	24,600	0.92	1.62	26,160	23,963	0.92	1.73	25,248	23,127	0.92	1.85	23,832	21,830	0.92	2.03

PLA-A30EA7/PUY-A30NHA7, PUZ-A30NHA7

CAPACITY (Btu/h): 30,000 INPUT (kW): 2.54 SHF: 0.80

Indoor intake air D.B.(°C)	Indoor intake air D.B.(°F)	Indoor intake air W.B.(°C)	Indoor intake air W.B.(°F)	Outdoor intake air °C/°F D.B.																							
				20/68				25/77				30/86				35/95				40/104				46/115			
				CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
19	66	16	61	28,950	20,149	0.70	2.11	28,530	19,857	0.70	2.20	27,960	19,460	0.70	2.32	27,240	18,959	0.70	2.47	26,310	18,312	0.70	2.65	24,930	17,351	0.70	2.92
19	66	18	64	30,810	17,747	0.58	2.16	30,390	17,505	0.58	2.26	29,790	17,159	0.58	2.37	29,010	16,710	0.58	2.52	28,020	16,140	0.58	2.71	26,550	15,293	0.58	2.97
20	68	16	61	28,950	21,307	0.74	2.11	28,530	20,998	0.74	2.20	27,960	20,579	0.74	2.32	27,240	20,049	0.74	2.47	26,310	19,364	0.74	2.65	24,930	18,348	0.74	2.92
20	68	18	64	30,810	18,979	0.62	2.16	30,390	18,720	0.62	2.26	29,790	18,351	0.62	2.37	29,010	17,870	0.62	2.52	28,020	17,260	0.62	2.71	26,550	16,355	0.62	2.97
20	68	20	68	32,730	16,234	0.50	2.21	32,280	16,011	0.50	2.31	31,680	15,713	0.50	2.42	30,840	15,297	0.50	2.57	29,790	14,776	0.50	2.76	28,170	13,972	0.50	3.03
22	72	16	61	28,950	23,623	0.82	2.11	28,530	23,280	0.82	2.20	27,960	22,815	0.82	2.32	27,240	22,228	0.82	2.47	26,310	21,469	0.82	2.65	24,930	20,343	0.82	2.92
22	72	18	64	30,810	21,444	0.70	2.16	30,390	21,151	0.70	2.26	29,790	20,734	0.70	2.37	29,010	20,191	0.70	2.52	28,020	19,502	0.70	2.71	26,550	18,479	0.70	2.97
22	72	20	68	32,730	18,852	0.58	2.21	32,280	18,593	0.58	2.31	31,680	18,248	0.58	2.42	30,840	17,764	0.58	2.57	29,790	17,159	0.58	2.76	28,170	16,226	0.58	3.03
24	75	16	61	28,950	25,939	0.90	2.11	28,530	25,563	0.90	2.20	27,960	25,052	0.90	2.32	27,240	24,407	0.90	2.47	26,310	23,474	0.90	2.65	24,930	22,337	0.90	2.92
24	75	18	64	30,810	23,909	0.78	2																				

PLA-A36EA7/PUY-A36NKA7, PUZ-A36NKA7

CAPACITY (Btu/h): 36,000 INPUT (kW): 2.78 SHF: 0.86

Indoor intake air D.B.(°C)	Indoor intake air D.B.(°F)	Indoor intake air W.B.(°C)	Indoor intake air W.B.(°F)	Outdoor intake air °C/F D.B.																							
				20/68				25/77				30/86				35/95				40/104				46/115			
				CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
19	66	16	61	34,740	26,263	0.76	2.31	34,236	25,882	0.76	2.41	33,552	25,365	0.76	2.54	32,688	24,712	0.76	2.71	31,572	23,868	0.76	2.91	29,916	22,616	0.76	3.19
19	66	18	64	36,972	23,514	0.64	2.37	36,468	23,194	0.64	2.47	35,748	22,736	0.64	2.60	34,812	22,140	0.64	2.76	33,624	21,385	0.64	2.96	31,860	20,263	0.64	3.25
20	68	16	61	34,740	27,653	0.80	2.31	34,236	27,252	0.80	2.41	33,552	26,707	0.80	2.54	32,688	26,020	0.80	2.71	31,572	25,131	0.80	2.91	29,916	23,813	0.80	3.19
20	68	18	64	36,972	24,993	0.68	2.37	36,468	24,652	0.68	2.47	35,748	24,166	0.68	2.60	34,812	23,533	0.68	2.76	33,624	22,730	0.68	2.96	31,860	21,537	0.68	3.25
20	68	20	68	39,276	21,837	0.56	2.42	38,736	21,537	0.56	2.52	38,016	21,137	0.56	2.65	37,008	20,576	0.56	2.82	35,748	19,876	0.56	3.02	33,804	18,795	0.56	3.31
22	72	16	61	34,740	30,432	0.88	2.31	34,236	29,991	0.88	2.41	33,552	29,392	0.88	2.54	32,688	28,635	0.88	2.71	31,572	27,657	0.88	2.91	29,916	26,206	0.88	3.19
22	72	18	64	36,972	27,951	0.76	2.37	36,468	27,570	0.76	2.47	35,748	27,025	0.76	2.60	34,812	26,318	0.76	2.76	33,624	25,420	0.76	2.96	31,860	24,086	0.76	3.25
22	72	20	68	39,276	24,980	0.64	2.42	38,736	24,636	0.64	2.52	38,016	24,178	0.64	2.65	37,008	23,537	0.64	2.82	35,748	22,736	0.64	3.02	33,804	21,499	0.64	3.31
24	75	16	61	34,740	33,211	0.96	2.31	34,236	32,730	0.96	2.41	33,552	32,076	0.96	2.54	32,688	31,250	0.96	2.71	31,572	30,183	0.96	2.91	29,916	28,600	0.96	3.19
24	75	18	64	36,972	30,909	0.84	2.37	36,468	30,487	0.84	2.47	35,748	29,885	0.84	2.60	34,812	29,103	0.84	2.76	33,624	28,110	0.84	2.96	31,860	26,635	0.84	3.25
24	75	20	68	39,276	28,122	0.72	2.42	38,736	27,735	0.72	2.52	38,016	27,219	0.72	2.65	37,008	26,498	0.72	2.82	35,748	25,596	0.72	3.02	33,804	24,204	0.72	3.31
24	75	22	72	41,580	24,782	0.60	2.48	41,076	24,481	0.60	2.58	40,284	24,009	0.60	2.70	39,240	23,387	0.60	2.87	37,872	22,572	0.60	3.07	35,748	21,306	0.60	3.38
26	79	16	61	34,740	34,740	1.00	2.31	34,236	34,236	1.00	2.41	33,552	33,552	1.00	2.54	32,688	32,688	1.00	2.71	31,572	31,572	1.00	2.91	29,916	29,916	1.00	3.19
26	79	18	64	36,972	33,866	0.92	2.37	36,468	33,405	0.92	2.47	35,748	32,745	0.92	2.60	34,812	31,888	0.92	2.76	33,624	30,800	0.92	2.96	31,860	29,184	0.92	3.25
26	79	20	68	39,276	31,264	0.80	2.42	38,736	30,834	0.80	2.52	38,016	30,261	0.80	2.65	37,008	29,458	0.80	2.82	35,748	28,455	0.80	3.02	33,804	26,908	0.80	3.31
26	79	22	72	41,580	28,108	0.68	2.48	41,076	27,767	0.68	2.58	40,284	27,232	0.68	2.70	39,240	26,526	0.68	2.87	37,872	25,601	0.68	3.07	35,748	24,166	0.68	3.38
27	81	16	61	34,740	34,740	1.00	2.31	34,236	34,236	1.00	2.41	33,552	33,552	1.00	2.54	32,688	32,688	1.00	2.71	31,572	31,572	1.00	2.91	29,916	29,916	1.00	3.19
27	81	18	64	36,972	35,345	0.96	2.37	36,468	34,863	0.96	2.47	35,748	34,175	0.96	2.60	34,812	33,280	0.96	2.76	33,624	32,145	0.96	2.96	31,860	30,458	0.96	3.25
27	81	20	68	39,276	32,835	0.84	2.42	38,736	32,383	0.84	2.52	38,016	31,781	0.84	2.65	37,008	30,939	0.84	2.82	35,748	29,885	0.84	3.02	33,804	28,260	0.84	3.31
27	81	22	72	41,580	29,771	0.72	2.48	41,076	29,410	0.72	2.58	40,284	28,843	0.72	2.70	39,240	28,096	0.72	2.87	37,872	27,116	0.72	3.07	35,748	25,596	0.72	3.38
28	82	16	61	34,740	34,740	1.00	2.31	34,236	34,236	1.00	2.41	33,552	33,552	1.00	2.54	32,688	32,688	1.00	2.71	31,572	31,572	1.00	2.91	29,916	29,916	1.00	3.19
28	82	18	64	36,972	36,824	1.00	2.37	36,468	36,322	1.00	2.47	35,748	35,605	1.00	2.60	34,812	34,673	1.00	2.76	33,624	33,490	1.00	2.96	31,860	31,733	1.00	3.25
28	82	20	68	39,276	34,406	0.88	2.42	38,736	33,933	0.88	2.52	38,016	33,302	0.88	2.65	37,008	32,419	0.88	2.82	35,748	31,315	0.88	3.02	33,804	29,612	0.88	3.31
28	82	22	72	41,580	31,434	0.76	2.48	41,076	31,053	0.76	2.58	40,284	30,455	0.76	2.70	39,240	29,665	0.76	2.87	37,872	28,631	0.76	3.07	35,748	27,025	0.76	3.38
30	86	16	61	34,740	34,740	1.00	2.31	34,236	34,236	1.00	2.41	33,552	33,552	1.00	2.54	32,688	32,688	1.00	2.71	31,572	31,572	1.00	2.91	29,916	29,916	1.00	3.19
30	86	18	64	36,972	36,972	1.00	2.37	36,468	36,468	1.00	2.47	35,748	35,748	1.00	2.60	34,812	34,812	1.00	2.76	33,624	33,624	1.00	2.96	31,860	31,860	1.00	3.25
30	86	20	68	39,276	37,548	0.96	2.42	38,736	37,032	0.96	2.52	38,016	36,343	0.96	2.65	37,008	35,380	0.96	2.82	35,748	34,175	0.96	3.02	33,804	32,317	0.96	3.31
30	86	22	72	41,580	34,761	0.84	2.48	41,076	34,340	0.84	2.58	40,284	33,677	0.84	2.70	39,240	32,805	0.84	2.87	37,872	31,661	0.84	3.07	35,748	29,885	0.84	3.38
32	90	16	61	34,740	34,740	1.00	2.31	34,236	34,236	1.00	2.41	33,552	33,552	1.00	2.54	32,688	32,688	1.00	2.71	31,572	31,572	1.00	2.91	29,916	29,916	1.00	3.19
32	90	18	64	36,972	36,972	1.00	2.37	36,468	36,468	1.00	2.47	35,748	35,748	1.00	2.60	34,812	34,812	1.00	2.76	33,624	33,624	1.00	2.96	31,860	31,860	1.00	3.25
32	90	20	68	39,276	39,276	1.00	2.42	38,736	38,736	1.00	2.52	38,016	38,016	1.00	2.65	37,008	37,008	1.00	2.82	35,748	35,748	1.00	3.02	33,804	33,804	1.00	3.31
32	90	22	72	41,580	38,087	0.92	2.48	41,076	37,626	0.92	2.58	40,284	36,900	0.92	2.70	39,240	35,944	0.92	2.87	37,872	34,691	0.92	3.07	35,748	32,745	0.92	3.38

PLA-A42EA7/PUY-A42NKA7, PUZ-A42NKA7

CAPACITY (Btu/h): 42,000 INPUT(kW): 3.59 SHF: 0.79

Indoor intake air D.B.(°C)	Indoor intake air D.B.(°F)	Indoor intake air W.B.(°C)	Indoor intake air W.B.(°F)	Outdoor intake air °C/F D.B.																							
				20/68				25/77				30/86				35/95				40/104				46/115			
				CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
19	66	16	61	40,530	27,804	0.69	2.98	39,942	27,400	0.69	3.11	39,144	26,853	0.69	3.28	38,136	26,161	0.69	3.50	36,834	25,268	0.69	3.75	34,902	23,943	0.69	4.12
19	66	18	64	43,134	24,414	0.57	3.06	42,546	24,081	0.57	3.19	41,706	23,606	0.57	3.36	40,614	22,988	0.57	3.57	39,228	22,203	0.57	3.82	37,170	21,038	0.57	4.20
20	68	16	61	40,530	29,425	0.73	2.98	39,942	28,998	0.73	3.11	39,144	28,419	0.73	3.28	38,136	27,687	0.73	3.50	36,834	26,741	0.73	3.75	34,902	25,339	0.73	4.12
20	68	18	64	43,134	26,139	0.61	3.06	42,546	25,783	0.61	3.19	41,706	25,274	0.61	3.36	40,614	24,612	0.61	3.57	39,228	23,772	0.61	3.82	37,170	22,525	0.61	4.20
20	68	20	68	45,822	22,269	0.49	3.13	45,192	21,963	0.49	3.26	44,352	21,555	0.49	3.42	43,176	20,984	0.49	3.64	41,706	20,269	0.49	3.90	39,438	19,167	0.49	4.28
22	72	16	61	40,530	32,667	0.81	2.98	39,942	32,193	0.81	3.11	39,144	31,550	0.81	3.28	38,136	30,738	0.81	3.50	36,834	29,688	0.81	3.75	34,902	28,131	0.81	4.12
22	72	18	64	43,134	29,590	0.69	3.06	42,546	29,187	0.69	3.19	41,706	28,610	0.69	3.36	40,614	27,861	0.69	3.57	39,228	26,910	0.69	3.82	37,170	25,499	0.69	4.20
22	72	20	68	45,822	25,935	0.57	3.13	45,192	25,579	0.57	3.26	44,352	25,103	0.57	3.42	43,176	24,438	0.57	3.64	41,706	23,606	0.57	3.90	39,438	22,322	0.57	4.28
24	75	16	61	40,530	35,910	0.89	2.98	39,942	35,389	0.89	3.11	39,144	34,682	0.89	3.28	38,136	33,788	0.89	3.50	36,834	32,635	0.89	3.75	34,902	30,923	0.89	4.12
24	75	18	64	43,134	33,041	0.77	3.06	42,546	32,590	0.77	3																

3-1-2. HEATING CAPACITY

Model Name	Capacity Btu/h	Input kW	Indoor intake air D.B.(°C)	Indoor intake air D.B.(°F)	Outdoor intake air °C/°F W.B.											
					-10/14		-5/23		0/32		5/41		10/50		15/59	
					CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.
PLA-A12EA7	14,000	0.83	15	59	8,890	0.49	9,660	0.54	10,780	0.62	14,140	0.75	15,960	0.83	17,780	0.90
			20	68	8,540	0.53	9,240	0.58	10,220	0.67	13,650	0.81	15,400	0.90	17,150	0.96
			25	77	8,260	0.56	8,960	0.63	9,800	0.73	12,880	0.85	14,840	0.96	16,520	1.03
PLA-A18EA7	19,000	1.30	15	59	12,065	0.77	13,110	0.85	14,630	0.98	19,190	1.17	21,660	1.30	24,130	1.40
			20	68	11,590	0.83	12,540	0.91	13,870	1.05	18,525	1.26	20,900	1.40	23,275	1.51
			25	77	11,210	0.88	12,160	0.99	13,300	1.14	17,480	1.34	20,140	1.50	22,420	1.62
PLA-A24EA7	26,000	1.75	15	59	16,510	1.03	17,940	1.14	20,020	1.31	26,260	1.58	29,640	1.75	33,020	1.89
			20	68	15,860	1.12	17,160	1.23	18,980	1.42	25,350	1.70	28,600	1.89	31,850	2.03
			25	77	15,340	1.19	16,640	1.33	18,200	1.54	23,920	1.80	27,560	2.02	30,680	2.18
PLA-A30EA7	32,000	2.40	15	59	20,320	1.42	22,080	1.56	24,640	1.80	32,320	2.16	36,480	2.40	40,640	2.59
			20	68	19,520	1.54	21,120	1.68	23,360	1.94	31,200	2.33	35,200	2.59	39,200	2.78
			25	77	18,880	1.63	20,480	1.82	22,400	2.11	29,440	2.47	33,920	2.77	37,760	2.99
PLA-A36EA7	38,000	2.54	15	59	24,130	1.50	26,220	1.65	29,260	1.91	38,380	2.29	43,320	2.54	48,260	2.74
			20	68	23,180	1.63	25,080	1.78	27,740	2.06	37,050	2.46	41,800	2.74	46,550	2.95
			25	77	22,420	1.73	24,320	1.93	26,600	2.24	34,960	2.62	40,280	2.93	44,840	3.16
PLA-A42EA7	45,000	3.29	15	59	28,575	1.94	31,050	2.14	34,650	2.47	45,450	2.96	51,300	3.29	57,150	3.55
			20	68	27,450	2.11	29,700	2.30	32,850	2.66	43,875	3.19	49,500	3.55	55,125	3.82
			25	77	26,550	2.24	28,800	2.50	31,500	2.90	41,400	3.39	47,700	3.80	53,100	4.10

Note: CA : Capacity (Btu/h) P.C. : Power consumption (kW)
D.B. : Dry-bulb temperature W.B. : Wet-bulb temperature

3-2. HYPER HEATING INVERTER 3-2-1. COOLING CAPACITY

PLA-A24EA7/PUZ-HA24NHA1

CAPACITY (Btu/h): 30,000 INPUT (kW): 2.40 SHF: 0.73

Indoor intake air D.B.(°C)	Indoor intake air D.B.(°F)	Indoor intake air W.B.(°C)	Indoor intake air W.B.(°F)	Outdoor intake air °C/F D.B.																							
				20/68				25/77				30/86				35/95				40/104				46/115			
				CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
19	66	16	61	25.146	19.010	0.76	1.13	23.652	17.881	0.76	1.29	21.760	16.451	0.76	1.41	19.967	15.095	0.76	1.52	18.175	13.740	0.76	1.60	16.382	12.385	0.76	1.68
19	66	18	64	27.485	17.481	0.64	1.25	25.992	16.531	0.64	1.40	24.100	15.327	0.64	1.52	22.307	14.187	0.64	1.64	20.515	13.047	0.64	1.72	18.722	11.907	0.64	1.80
20	68	16	61	25.146	20.016	0.80	1.13	23.652	18.827	0.80	1.29	21.760	17.321	0.80	1.41	19.967	15.894	0.80	1.52	18.175	14.467	0.80	1.60	16.382	13.040	0.80	1.68
20	68	18	64	27.485	18.580	0.68	1.25	25.992	17.570	0.68	1.40	24.100	16.291	0.68	1.52	22.307	15.080	0.68	1.64	20.515	13.868	0.68	1.72	18.722	12.656	0.68	1.80
20	68	20	68	28.680	15.946	0.56	1.32	27.485	15.282	0.56	1.44	25.892	14.396	0.56	1.58	24.000	13.344	0.56	1.71	22.108	12.292	0.56	1.80	20.515	11.406	0.56	1.87
22	72	16	61	25.146	22.028	0.88	1.13	23.652	20.719	0.88	1.29	21.760	19.062	0.88	1.41	19.967	17.491	0.88	1.52	18.175	15.921	0.88	1.60	16.382	14.351	0.88	1.68
22	72	18	64	27.485	20.779	0.76	1.25	25.992	19.650	0.76	1.40	24.100	18.219	0.76	1.52	22.307	16.864	0.76	1.64	20.515	15.509	0.76	1.72	18.722	14.154	0.76	1.80
22	72	20	68	28.680	18.241	0.64	1.32	27.485	17.481	0.64	1.44	25.892	16.467	0.64	1.58	24.000	15.264	0.64	1.71	22.108	14.061	0.64	1.80	20.515	13.047	0.64	1.87
24	75	16	61	25.146	24.039	0.96	1.13	23.652	22.611	0.96	1.29	21.760	20.803	0.96	1.41	19.967	19.089	0.96	1.52	18.175	17.375	0.96	1.60	16.382	15.662	0.96	1.68
24	75	18	64	27.485	22.978	0.84	1.25	25.992	21.729	0.84	1.40	24.100	20.147	0.84	1.52	22.307	18.649	0.84	1.64	20.515	17.150	0.84	1.72	18.722	15.652	0.84	1.80
24	75	20	68	28.680	20.535	0.72	1.32	27.485	19.680	0.72	1.44	25.892	18.539	0.72	1.58	24.000	17.184	0.72	1.71	22.108	15.829	0.72	1.80	20.515	14.688	0.72	1.87
24	75	22	72	30.274	18.043	0.60	1.37	29.278	17.450	0.60	1.52	27.485	16.381	0.60	1.66	25.693	15.313	0.60	1.78	23.900	14.245	0.60	1.87	21.909	13.058	0.60	1.92
26	79	16	61	25.146	25.146	1.00	1.13	23.652	23.652	1.00	1.29	21.760	21.760	1.00	1.41	19.967	19.967	1.00	1.52	18.175	18.175	1.00	1.60	16.382	16.382	1.00	1.68
26	79	18	64	27.485	25.177	0.92	1.25	25.992	23.808	0.92	1.40	24.100	22.075	0.92	1.52	22.307	20.433	0.92	1.64	20.515	18.791	0.92	1.72	18.722	17.149	0.92	1.80
26	79	20	68	28.680	22.830	0.80	1.32	27.485	21.878	0.80	1.44	25.892	20.610	0.80	1.58	24.000	19.104	0.80	1.71	22.108	17.598	0.80	1.80	20.515	16.330	0.80	1.87
26	79	22	72	30.274	20.465	0.68	1.37	29.278	19.792	0.68	1.52	27.485	18.580	0.68	1.66	25.693	17.368	0.68	1.78	23.900	16.157	0.68	1.87	21.909	14.810	0.68	1.92
27	81	16	61	25.146	25.146	1.00	1.13	23.652	23.652	1.00	1.29	21.760	21.760	1.00	1.41	19.967	19.967	1.00	1.52	18.175	18.175	1.00	1.60	16.382	16.382	1.00	1.68
27	81	18	64	27.485	26.276	0.96	1.25	25.992	24.848	0.96	1.40	24.100	23.039	0.96	1.52	22.307	21.326	0.96	1.64	20.515	19.612	0.96	1.72	18.722	17.898	0.96	1.80
27	81	20	68	28.680	23.977	0.84	1.32	27.485	22.978	0.84	1.44	25.892	21.646	0.84	1.58	24.000	20.064	0.84	1.71	22.108	18.482	0.84	1.80	20.515	17.150	0.84	1.87
27	81	22	72	30.274	21.676	0.72	1.37	29.278	20.963	0.72	1.52	27.485	19.680	0.72	1.66	25.693	18.396	0.72	1.78	23.900	17.113	0.72	1.87	21.909	15.687	0.72	1.92
28	82	16	61	25.146	25.146	1.00	1.13	23.652	23.652	1.00	1.29	21.760	21.760	1.00	1.41	19.967	19.967	1.00	1.52	18.175	18.175	1.00	1.60	16.382	16.382	1.00	1.68
28	82	18	64	27.485	27.376	1.00	1.25	25.992	25.888	1.00	1.40	24.100	24.003	1.00	1.52	22.307	22.218	1.00	1.64	20.515	20.432	1.00	1.72	18.722	18.647	1.00	1.80
28	82	20	68	28.680	25.124	0.88	1.32	27.485	24.077	0.88	1.44	25.892	22.681	0.88	1.58	24.000	21.024	0.88	1.71	22.108	19.367	0.88	1.80	20.515	17.971	0.88	1.87
28	82	22	72	30.274	22.887	0.76	1.37	29.278	22.134	0.76	1.52	27.485	20.779	0.76	1.66	25.693	19.424	0.76	1.78	23.900	18.069	0.76	1.87	21.909	16.563	0.76	1.92
30	86	16	61	25.146	25.146	1.00	1.13	23.652	23.652	1.00	1.29	21.760	21.760	1.00	1.41	19.967	19.967	1.00	1.52	18.175	18.175	1.00	1.60	16.382	16.382	1.00	1.68
30	86	18	64	27.485	27.485	1.00	1.25	25.992	25.992	1.00	1.40	24.100	24.100	1.00	1.52	22.307	22.307	1.00	1.64	20.515	20.515	1.00	1.72	18.722	18.722	1.00	1.80
30	86	20	68	28.680	27.419	0.96	1.32	27.485	26.276	0.96	1.44	25.892	24.753	0.96	1.58	24.000	22.944	0.96	1.71	22.108	21.135	0.96	1.80	20.515	19.612	0.96	1.87
30	86	22	72	30.274	25.309	0.84	1.37	29.278	24.476	0.84	1.52	27.485	22.978	0.84	1.66	25.693	21.479	0.84	1.78	23.900	19.981	0.84	1.87	21.909	18.316	0.84	1.92
32	90	16	61	25.146	25.146	1.00	1.13	23.652	23.652	1.00	1.29	21.760	21.760	1.00	1.41	19.967	19.967	1.00	1.52	18.175	18.175	1.00	1.60	16.382	16.382	1.00	1.68
32	90	18	64	27.485	27.485	1.00	1.25	25.992	25.992	1.00	1.40	24.100	24.100	1.00	1.52	22.307	22.307	1.00	1.64	20.515	20.515	1.00	1.72	18.722	18.722	1.00	1.80
32	90	20	68	28.680	28.680	1.00	1.32	27.485	27.485	1.00	1.44	25.892	25.892	1.00	1.58	24.000	24.000	1.00	1.71	22.108	22.108	1.00	1.80	20.515	20.515	1.00	1.87
32	90	22	72	30.274	27.731	0.92	1.37	29.278	26.819	0.92	1.52	27.485	25.177	0.92	1.66	25.693	23.535	0.92	1.78	23.900	21.893	0.92	1.87	21.909	20.068	0.92	1.92

PLA-A30EA7/PUZ-HA30NKA

CAPACITY (Btu/h): 30,000 INPUT (kW): 2.40 SHF: 0.73

Indoor intake air D.B.(°C)	Indoor intake air D.B.(°F)	Indoor intake air W.B.(°C)	Indoor intake air W.B.(°F)	Outdoor intake air °C/F D.B.																							
				20/68				25/77				30/86				35/95				40/104				46/115			
				CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
19	66	16	61	31.432	21.877	0.70	1.40	29.565	20.577	0.70	1.60	27.200	18.931	0.70	1.74	24.959	17.372	0.70	1.89	22.719	15.812	0.70	1.99	20.478	14.253	0.70	2.08
19	66	18	64	34.357	19.790	0.58	1.55	32.490	18.714	0.58	1.74	30.124	17.352	0.58	1.89	27.884	16.061	0.58	2.03	25.643	14.770	0.58	2.13	23.402	13.480	0.58	2.23
20	68	16	61	31.432	23.134	0.74	1.40	29.565	21.760	0.74	1.60	27.200	20.019	0.74	1.74	24.959	18.370	0.74	1.89	22.719	16.721	0.74	1.99	20.478	15.072	0.74	2.08
20	68	18	64	34.357	21.164	0.62	1.55	32.490	20.014	0.62	1.74	30.124	18.557	0.62	1.89	27.884	17.176	0.62	2.03	25.643	15.796	0.62	2.13	23.402	14.416	0.62	2.23
20	68	20	68	35.851	17.782	0.50	1.64	34.357	17.041	0.50	1.78	32.365	16.053	0.50	1.96	30.000	14.880	0.50	2.12	27.635	13.707	0.50	2.23	25.643	12.719	0.50	2.32
22	72	16	61	31.432	25.649	0.82	1.40	29.565	24.125	0.82	1.60	27.200	22.195	0.82	1.74	24.959	20.367	0.82	1.89	22.719	18.538	0.82	1.99	20.478	16.710	0.82	2.08
22	72	18	64	34.357	23.912	0.70	1.55	32.490	22.613	0.70	1.74	30.124	20.967	0.70	1.89	27.884	19.407	0.70	2.03	25.643	17.848	0.70	2.13	23.402	16.288	0.70	2.23
22	72	20	68	35.851	20.650	0.58	1.64	34.357	19.790	0.58	1.78	32.365	18.642	0.58	1.96	30.000	17.280	0.58	2.12	27.635	15.918	0.58	2.23	25.643	14.770	0.58	2.32
24	75	16	61	31.432	28.163	0.90	1.40	29.565	26.490	0.90	1.60	27.200	24.371	0.90	1.74	24.959	22.364	0.90	1.89	22.719	20.356	0.90	1.99	20.478	18.348	0.90	2.08
24	75	18</																									

PLA-A36EA7/PUZ-HA36NKA

CAPACITY (Btu/h): 36,000 INPUT (kW): 2.85 SHF: 0.71

Indoor intake air D.B.(°C)	Indoor intake air D.B.(°F)	Indoor intake air W.B.(°C)	Indoor intake air W.B.(°F)	Outdoor intake air °C/°F D.B.																							
				20/68				25/77				30/86				35/95				40/104				46/115			
				CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
19	66	16	61	37,719	27,384	0.73	1.82	35,478	25,757	0.73	2.07	32,640	23,697	0.73	2.26	29,951	21,745	0.73	2.45	27,262	19,792	0.73	2.58	24,574	17,840	0.73	2.70
19	66	18	64	41,228	24,984	0.61	2.01	38,988	23,626	0.61	2.26	36,149	21,907	0.61	2.45	33,461	20,277	0.61	2.64	30,772	18,648	0.61	2.76	28,083	17,018	0.61	2.89
20	68	16	61	37,719	28,893	0.77	1.82	35,478	27,176	0.77	2.07	32,640	25,002	0.77	2.26	29,951	22,943	0.77	2.45	27,262	20,883	0.77	2.58	24,574	18,823	0.77	2.70
20	68	18	64	41,228	26,633	0.65	2.01	38,988	25,186	0.65	2.26	36,149	23,352	0.65	2.45	33,461	21,616	0.65	2.64	30,772	19,879	0.65	2.76	28,083	18,142	0.65	2.89
20	68	20	68	43,021	22,629	0.53	2.12	41,228	21,686	0.53	2.31	38,838	20,429	0.53	2.54	36,000	18,936	0.53	2.75	33,162	17,443	0.53	2.89	30,772	16,186	0.53	3.01
22	72	16	61	37,719	31,910	0.85	1.82	35,478	30,015	0.85	2.07	32,640	27,613	0.85	2.26	29,951	25,339	0.85	2.45	27,262	23,064	0.85	2.58	24,574	20,789	0.85	2.70
22	72	18	64	41,228	29,932	0.73	2.01	38,988	28,305	0.73	2.26	36,149	26,244	0.73	2.45	33,461	24,292	0.73	2.64	30,772	22,340	0.73	2.76	28,083	20,388	0.73	2.89
22	72	20	68	43,021	26,071	0.61	2.12	41,228	24,984	0.61	2.31	38,838	23,536	0.61	2.54	36,000	21,816	0.61	2.75	33,162	20,096	0.61	2.89	30,772	18,648	0.61	3.01
24	75	16	61	37,719	34,928	0.93	1.82	35,478	32,853	0.93	2.07	32,640	30,225	0.93	2.26	29,951	27,735	0.93	2.45	27,262	25,245	0.93	2.58	24,574	22,755	0.93	2.70
24	75	18	64	41,228	33,230	0.81	2.01	38,988	31,424	0.81	2.26	36,149	29,136	0.81	2.45	33,461	26,969	0.81	2.64	30,772	24,802	0.81	2.76	28,083	22,635	0.81	2.89
24	75	20	68	43,021	29,512	0.69	2.12	41,228	28,283	0.69	2.31	38,838	26,643	0.69	2.54	36,000	24,696	0.69	2.75	33,162	22,749	0.69	2.89	30,772	21,109	0.69	3.01
24	75	22	72	45,411	25,703	0.57	2.21	43,917	24,857	0.57	2.45	41,228	23,335	0.57	2.66	38,539	21,813	0.57	2.86	35,851	20,291	0.57	3.00	32,863	18,600	0.57	3.09
26	79	16	61	37,719	37,719	1.00	1.82	35,478	35,478	1.00	2.07	32,640	32,640	1.00	2.26	29,951	29,951	1.00	2.45	27,262	27,262	1.00	2.58	24,574	24,574	1.00	2.70
26	79	18	64	41,228	36,528	0.89	2.01	38,988	34,543	0.89	2.26	36,149	32,028	0.89	2.45	33,461	29,646	0.89	2.64	30,772	27,264	0.89	2.76	28,083	24,882	0.89	2.89
26	79	20	68	43,021	32,954	0.77	2.12	41,228	31,581	0.77	2.31	38,838	29,750	0.77	2.54	36,000	27,576	0.77	2.75	33,162	25,402	0.77	2.89	30,772	23,571	0.77	3.01
26	79	22	72	45,411	29,335	0.65	2.21	43,917	28,370	0.65	2.45	41,228	26,633	0.65	2.66	38,539	24,896	0.65	2.86	35,851	23,160	0.65	3.00	32,863	21,230	0.65	3.09
27	81	16	61	37,719	37,719	1.00	1.82	35,478	35,478	1.00	2.07	32,640	32,640	1.00	2.26	29,951	29,951	1.00	2.45	27,262	27,262	1.00	2.58	24,574	24,574	1.00	2.70
27	81	18	64	41,228	38,177	0.93	2.01	38,988	36,102	0.93	2.26	36,149	33,474	0.93	2.45	33,461	30,984	0.93	2.64	30,772	28,495	0.93	2.76	28,083	26,005	0.93	2.89
27	81	20	68	43,021	34,675	0.81	2.12	41,228	33,230	0.81	2.31	38,838	31,304	0.81	2.54	36,000	29,016	0.81	2.75	33,162	26,728	0.81	2.89	30,772	24,802	0.81	3.01
27	81	22	72	45,411	31,152	0.69	2.21	43,917	30,127	0.69	2.45	41,228	28,283	0.69	2.66	38,539	26,438	0.69	2.86	35,851	24,594	0.69	3.00	32,863	22,544	0.69	3.09
28	82	16	61	37,719	37,719	1.00	1.82	35,478	35,478	1.00	2.07	32,640	32,640	1.00	2.26	29,951	29,951	1.00	2.45	27,262	27,262	1.00	2.58	24,574	24,574	1.00	2.70
28	82	18	64	41,228	39,826	0.97	2.01	38,988	37,662	0.97	2.26	36,149	34,920	0.97	2.45	33,461	32,323	0.97	2.64	30,772	29,728	0.97	2.76	28,083	27,128	0.97	2.89
28	82	20	68	43,021	36,396	0.85	2.12	41,228	34,879	0.85	2.31	38,838	32,857	0.85	2.54	36,000	30,456	0.85	2.75	33,162	28,055	0.85	2.89	30,772	26,033	0.85	3.01
28	82	22	72	45,411	32,968	0.73	2.21	43,917	31,884	0.73	2.45	41,228	29,932	0.73	2.66	38,539	27,980	0.73	2.86	35,851	26,028	0.73	3.00	32,863	23,859	0.73	3.09
30	86	16	61	37,719	37,719	1.00	1.82	35,478	35,478	1.00	2.07	32,640	32,640	1.00	2.26	29,951	29,951	1.00	2.45	27,262	27,262	1.00	2.58	24,574	24,574	1.00	2.70
30	86	18	64	41,228	41,228	1.00	2.01	38,988	38,988	1.00	2.26	36,149	36,149	1.00	2.45	33,461	33,461	1.00	2.64	30,772	30,772	1.00	2.76	28,083	28,083	1.00	2.89
30	86	20	68	43,021	39,837	0.93	2.12	41,228	38,177	0.93	2.31	38,838	35,964	0.93	2.54	36,000	33,336	0.93	2.75	33,162	30,772	0.93	2.89	30,772	28,495	0.93	3.01
30	86	22	72	45,411	36,601	0.81	2.21	43,917	35,397	0.81	2.45	41,228	33,230	0.81	2.66	38,539	31,063	0.81	2.86	35,851	28,896	0.81	3.00	32,863	26,488	0.81	3.09
32	90	16	61	37,719	37,719	1.00	1.82	35,478	35,478	1.00	2.07	32,640	32,640	1.00	2.26	29,951	29,951	1.00	2.45	27,262	27,262	1.00	2.58	24,574	24,574	1.00	2.70
32	90	18	64	41,228	41,228	1.00	2.01	38,988	38,988	1.00	2.26	36,149	36,149	1.00	2.45	33,461	33,461	1.00	2.64	30,772	30,772	1.00	2.76	28,083	28,083	1.00	2.89
32	90	20	68	43,021	43,021	1.00	2.12	41,228	41,228	1.00	2.31	38,838	38,838	1.00	2.54	36,000	36,000	1.00	2.75	33,162	33,162	1.00	2.89	30,772	30,772	1.00	3.01
32	90	22	72	45,411	40,234	0.89	2.21	43,917	38,910	0.89	2.45	41,228	36,528	0.89	2.66	38,539	34,146	0.89	2.86	35,851	31,764	0.89	3.00	32,863	29,117	0.89	3.09

Note: CA : Capacity (Btu/h) SHC : Sensible heat capacity (Btu/h) SHF : Sensible heat factor P.C. : Power consumption (kW)
 D.B. : Dry-bulb temperature W.B. : Wet-bulb temperature

PLA-A42EA7/PUZ-HA42NKA1

CAPACITY (Btu/h): 42,000 INPUT (kW): 4.16 SHF: 0.71

Indoor intake air D.B.(°C)	Indoor intake air D.B.(°F)	Indoor intake air W.B.(°C)	Indoor intake air W.B.(°F)	Outdoor intake air °C/°F D.B.																							
				20/68				25/77				30/86				35/95				40/104				46/115			
				CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
19	66	16	61	44,005	34,148	0.78	2.60	41,391	32,120	0.78	2.95	38,080	29,550	0.78	3.22	34,943	27,116	0.78	3.49	31,806	24,682	0.78	3.67	28,669	22,247	0.78	3.85
19	66	18	64	48,100	31,553	0.66	2.86	45,485	29,838	0.66	3.22	42,174	27,866	0.66	3.49	39,037	25,608	0.66	3.76	35,900	23,951	0.66	3.94	32,763	21,493	0.66	4.12
20	68	16	61	44,005	35,908	0.82	2.60	41,391	33,775	0.82	2.95	38,080	31,073	0.82	3.22	34,943	28,514	0.82	3.49	31,806	25,954	0.82	3.67	28,669	23,394	0.82	3.85
20	68	18	64	48,100	33,477	0.70	2.86	45,485	31,658	0.70	3.22	42,174	29,353	0.70	3.49	39,037	27,170	0.70	3.76	35,900	24,987	0.70	3.94	32,763	22,803	0.70	4.12
20	68	20	68	50,191	28,910	0.58	3.03	48,100	27,705	0.58	3.29	45,311	26,099	0.58	3.62	42,000	24,192	0.58	3.92	38,689	22,285	0.58	4.12	35,900	20,679	0.58	4.30
22	72	16	61	44,005	39,429	0.90	2.60	41,391	37,087	0.90	2.95	38,080	34,120	0.90	3.22	34,943	31,309	0.90	3.49	31,806	28,498	0.90	3.67	28,669	25,688	0.90	3.85
22	72	18	64	48,100	37,325	0.78	2.86	45,485	35,297	0.78	3.22	42,174	32,727	0.78	3.49	39,037	30,293	0.78	3.76	35,900	27,859	0.78	3.94	32,763	25,424	0.78	4.12
22	72	20	68	50,191	32,925	0.66	3.03	48,100	31,553	0.66	3.29	45,311	29,724	0.66	3.62	42,000	27,552	0.66	3.92	38,689	25,380	0.66	4.12	35,900	23,551	0.66	4.30
24	75	16	61	44,005	42,949	0.98	2.60	41,391	40,998	0.98	2.95	38,080	37,166	0.98	3.22	34,943	34,104	0.98	3.49	31,806	31,043	0.98	3.67	28,669	27,981	0.98	3.85
24	75	18</																									

3-2-2. HEATING CAPACITY

Model Name	Capacity Btu/h	Input kW	Indoor intake air D.B.(°C)	Indoor intake air D.B.(°F)	Outdoor intake air °C/°F W.B.											
					-10/14		-5 / 23		0 / 32		5 / 41		10 / 50		15 / 59	
					CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.
PLA-A24EA7	26,000	1.70	15	59	16,763	1.13	20,415	1.34	22,252	1.43	25,946	1.60	29,661	1.74	33,395	1.82
			20	68	15,853	1.22	19,542	1.43	21,398	1.52	25,104	1.67	28,771	1.79	32,356	1.87
			25	77	14,306	1.30	18,155	1.51	20,069	1.60	23,847	1.75	27,518	1.86	31,035	1.94
PLA-A30EA7	32,000	2.26	15	59	20,632	1.50	25,126	1.78	27,387	1.91	31,933	2.13	36,506	2.31	41,101	2.42
			20	68	19,511	1.62	24,052	1.90	26,336	2.02	30,898	2.22	35,411	2.38	39,823	2.49
			25	77	17,607	1.73	22,345	2.01	24,701	2.12	29,350	2.32	33,868	2.47	38,197	2.57
PLA-A36EA7	38,000	2.65	15	59	24,500	1.75	29,837	2.09	32,522	2.24	37,921	2.50	43,351	2.71	48,808	2.84
			20	68	23,169	1.90	28,562	2.22	31,273	2.37	36,691	2.60	42,050	2.79	47,290	2.92
			25	77	20,908	2.03	26,534	2.35	29,332	2.49	34,853	2.73	40,219	2.90	45,359	3.02
PLA-A42EA7	48,000	4.21	15	59	30,948	2.79	37,689	3.31	41,081	3.55	47,900	3.97	54,759	4.30	61,652	4.51
			20	68	29,266	3.02	36,078	3.53	39,503	3.76	46,347	4.14	53,116	4.43	59,735	4.63
			25	77	26,411	3.22	33,517	3.74	37,051	3.96	44,025	4.33	50,802	4.61	57,296	4.79

Note: CA : Capacity (Btu/h) P.C. : Power consumption (kW)
D.B. : Dry-bulb temperature W.B. : Wet-bulb temperature

4 AIRFLOW DATA

4-1. OUTLET AIR SPEED AND COVERAGE RANGE

	PLA-A12EA7	PLA-A18EA7	PLA-A24EA7	PLA-A30EA7	PLA-A36EA7	PLA-A42EA7
Airflow CFM	530	600	810	880	1200	1200
Air speed ft/sec.(m/sec.)	7.8(2.4)	8.8(2.7)	11.9(3.6)	12.9(3.9)	17.6(5.4)	17.6(5.4)
Coverage range ft(m)	13(3.9)	14(4.4)	19(5.8)	21(6.3)	28(8.5)	28(8.5)

The air coverage range is the distance to which the 0.8 ft/sec. air can reach, when air is blown out horizontally from the unit at the High notch position.

The coverage range should be used only as a general guideline since it varies according to the size of the room and the furniture inside the room.

4-2. FRESH AIR INTAKE AND BRANCH DUCT

1. Branch duct hole and fresh air intake hole (Fig. 1)

At the time of installation, use the duct holes (cut out) located at the positions shown in Fig.1, as and when required.
 • A fresh air intake hole for the optional multi function casement can also be made.

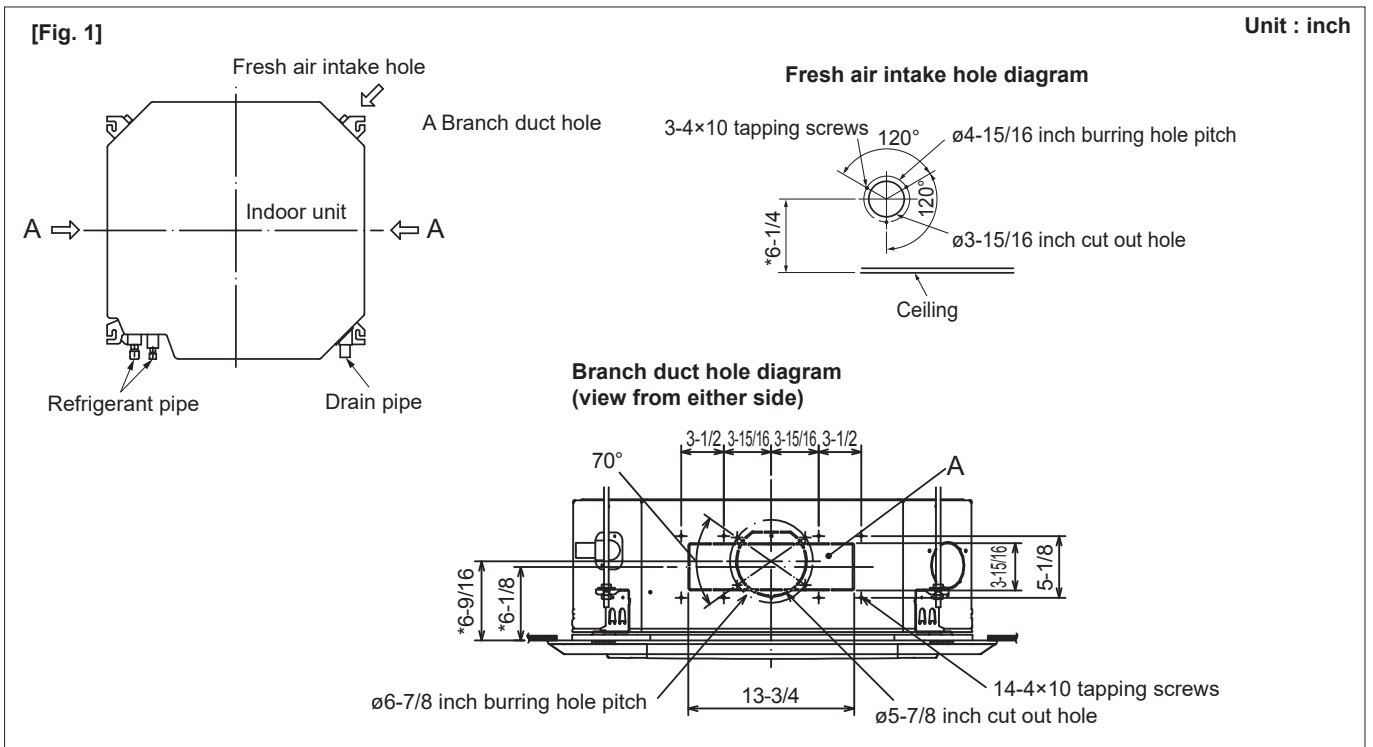
Note:

The figure marked with * in the drawing 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 to the dimensions marked on the figure.

When installing the branch ducts, be sure to insulate adequately.

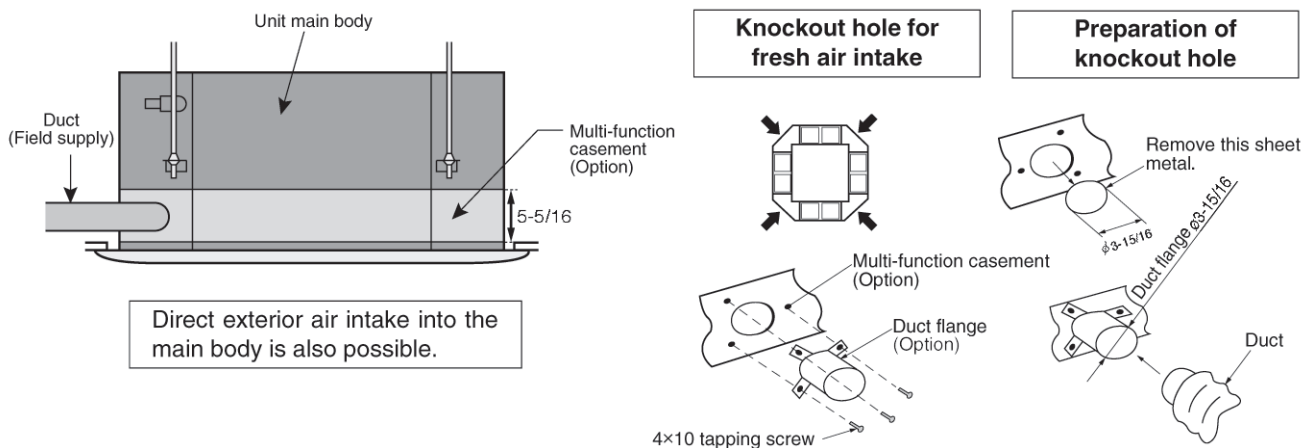
Otherwise condensation and dripping may occur.



2. Fresh air intake (Installation at site)

By mounting the optional multi-function casement to the indoor unit main body, and mounting the duct flange (option) onto it further, fresh exterior air intake can be accomplished.

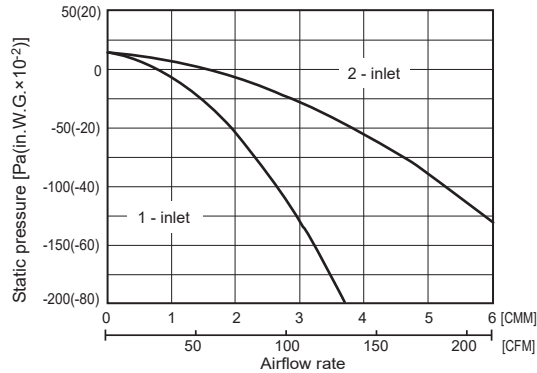
(The mounting of the multi-function casement increases the height of the ceiling plenum by 5-5/16(135mm).)



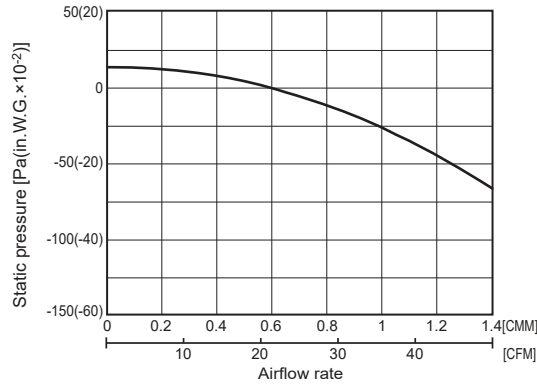
3. Fresh air intake amount & static pressure characteristics

1 PLA-A12/18EA7

Multifunction casement + Standard filter

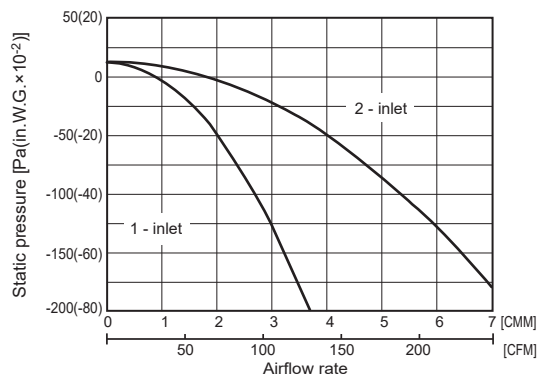


Taking air into the unit

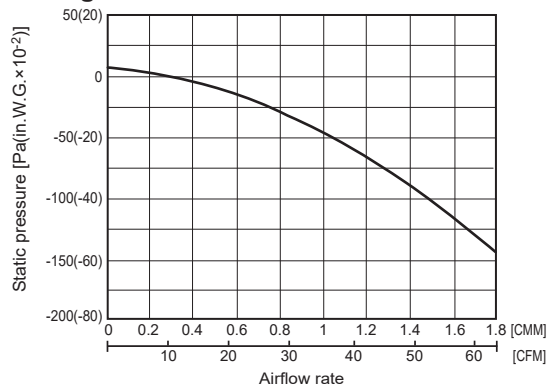


2 PLA-A24/30/36/42EA7

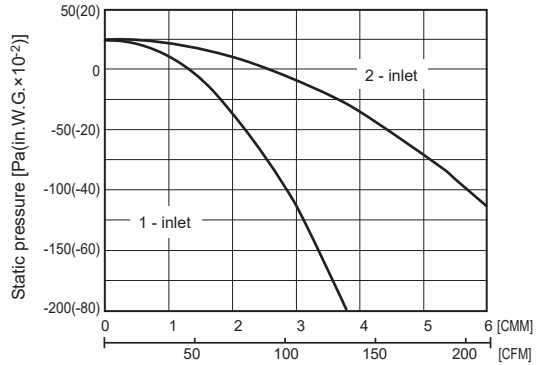
Multifunction casement + Standard filter



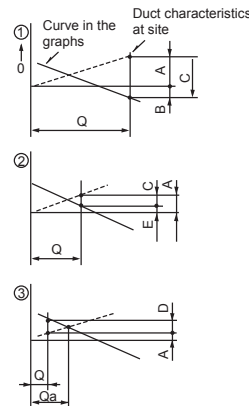
Taking air into the unit



Multifunction casement + High efficiency filter

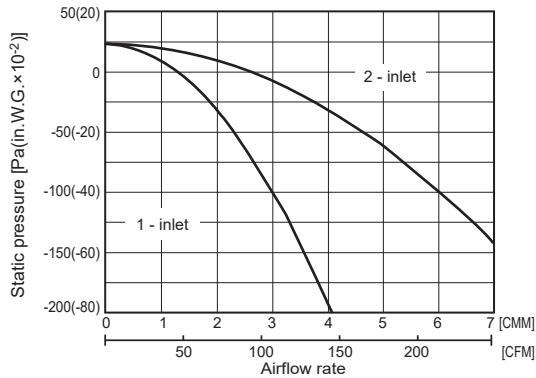


How to read curves



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

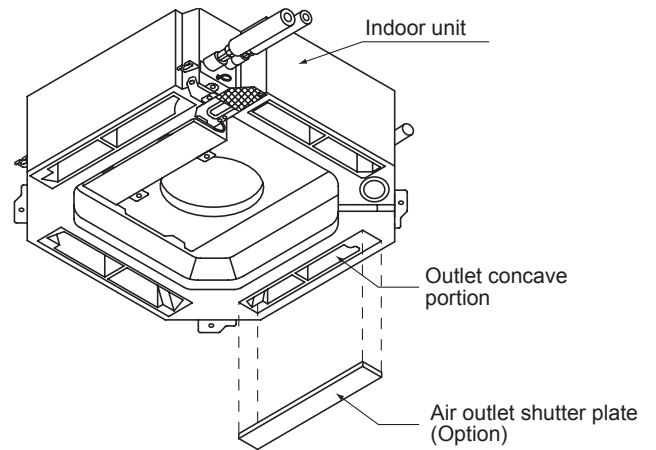
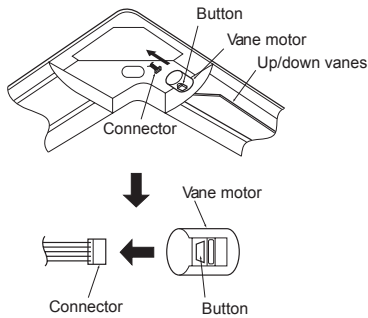
Multifunction casement + High efficiency filter



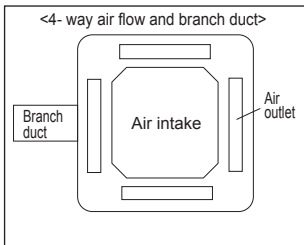
4. Change of outlet numbers

The optional air outlet is necessary.
To change the air outlet number to 3-, or 2-way outlet, the outlet number should be closed with the operational air outlet shutter.

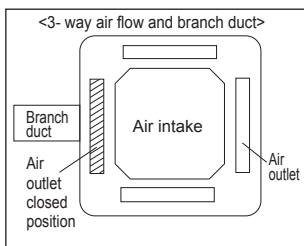
When the air outlets are closed, close the vane by removing the vane connector.



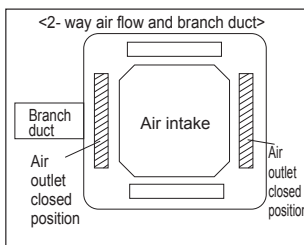
5. Branch duct and change of outlet numbers



※ Branch duct should be connected to one of the branch duct holes on the main unit.

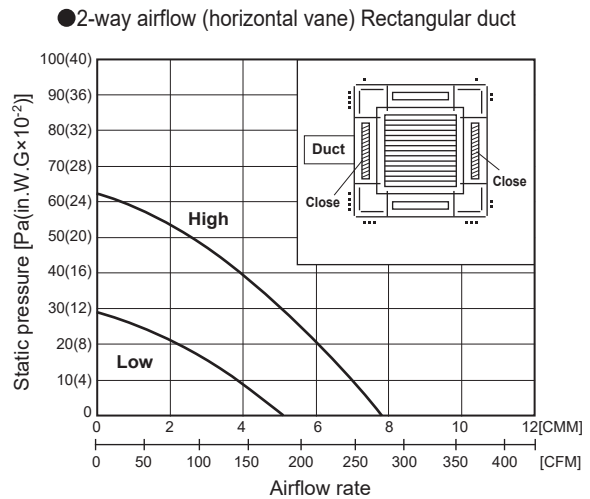
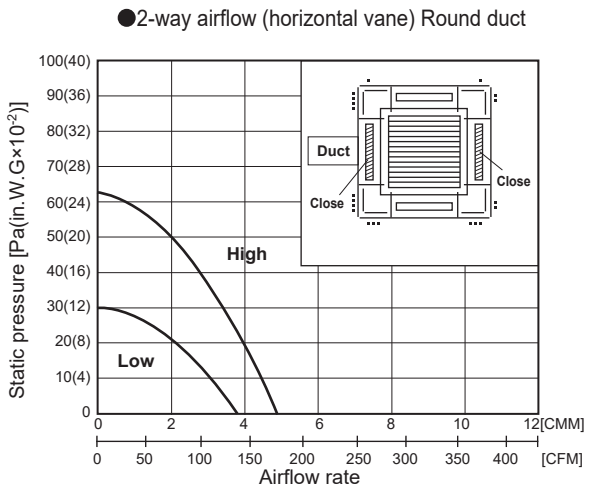
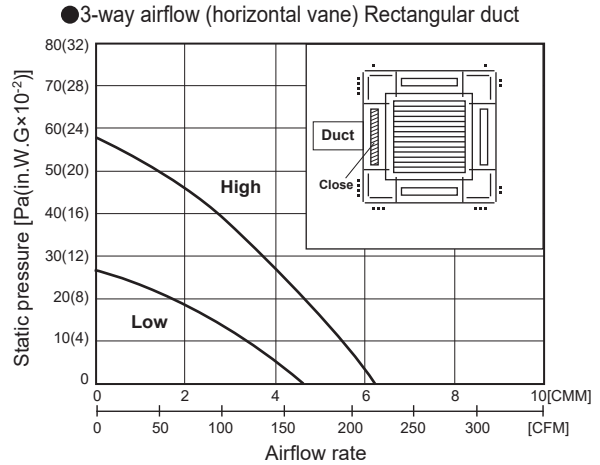
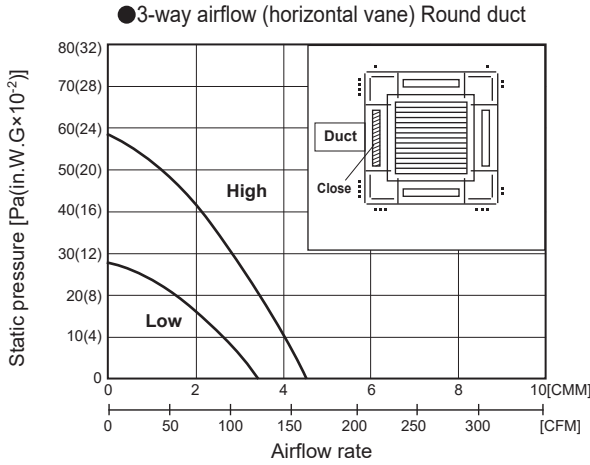
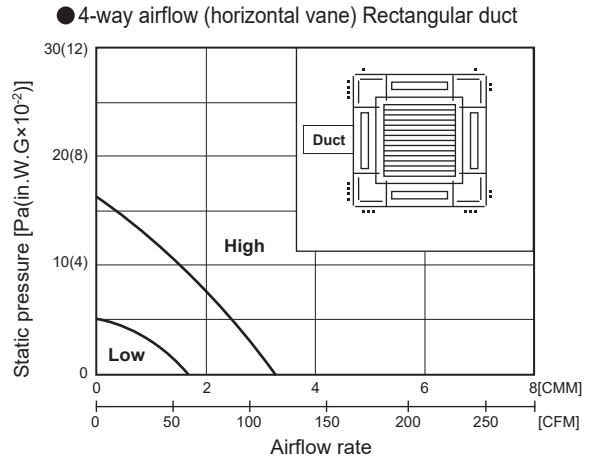
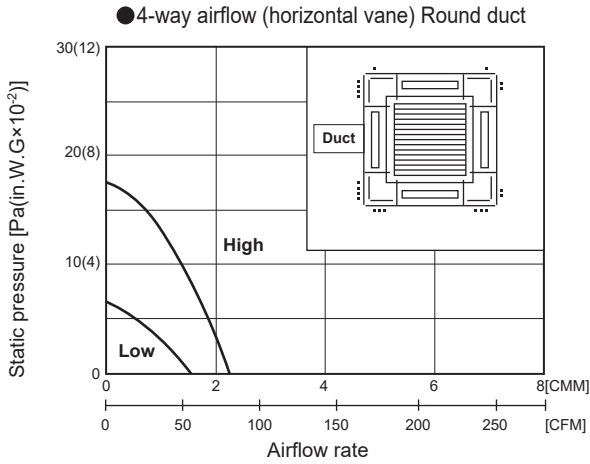


※ Close the outlet on the side of branch duct and air flows in 3 directions.



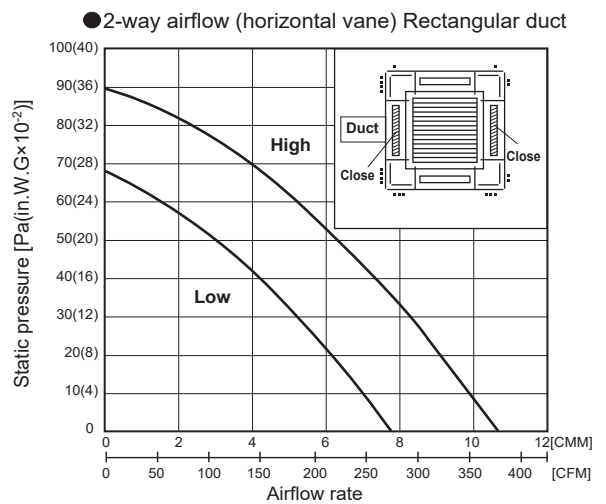
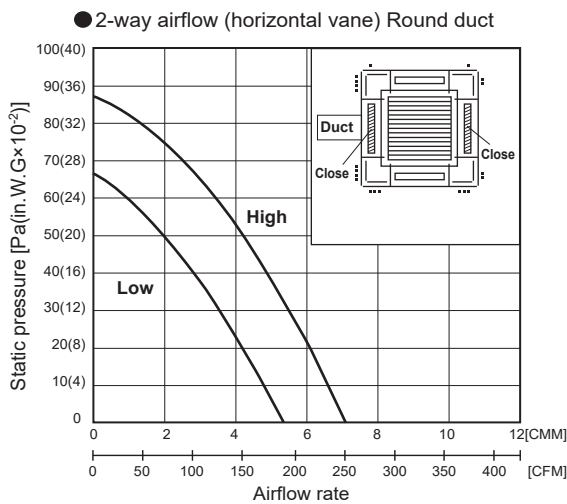
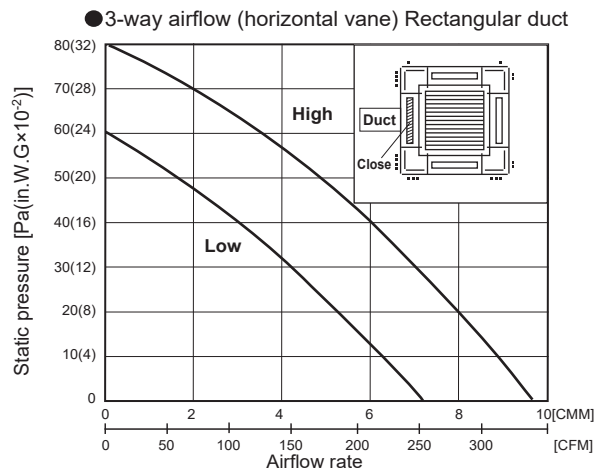
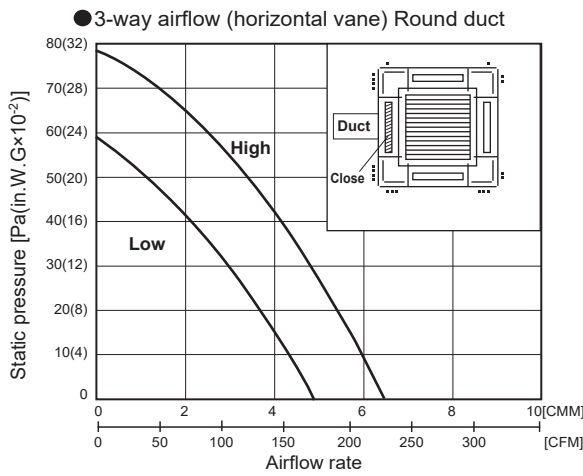
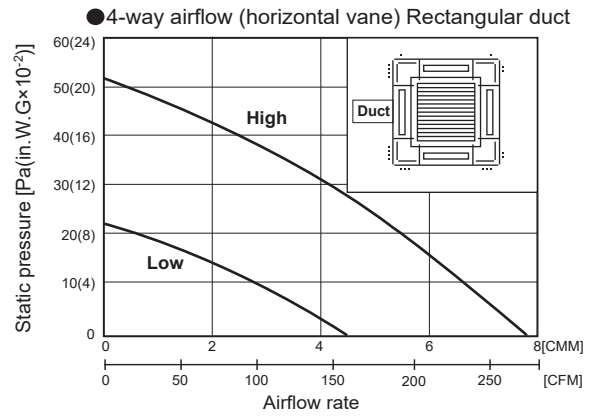
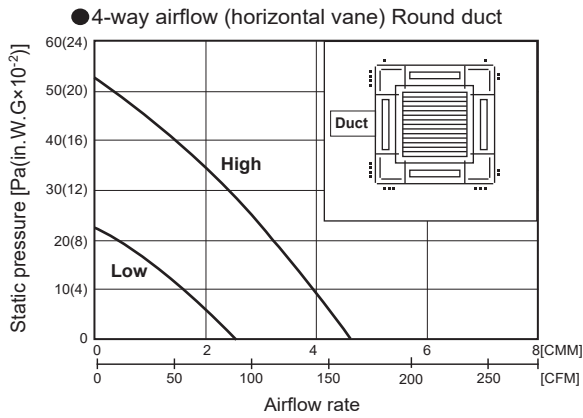
※ The outlet on the side of branch duct and one of the other outlets are closed. Air flows in 2 directions.

PLA-A18EA7



- Use 1 of the 2 duct holes on the indoor unit.
- Airflow rate of PLA-A12EA7 can be calculated from the air flow rate based on the characteristic of the duct for PLA-A18EA7.
- Use the optional air outlet shutter plate (PAC-SH51SP-E) for 3-way and 2-way airflow.

PLA-A42EA7



- Use 1 of the 2 duct holes on the indoor unit.
- Airflow rate of PLA-A24/30/36EA7 can be calculated from the air flow rate based on the characteristic of the duct for PLA-A42EA7.
- Use the optional air outlet shutter plate (PAC-SH51SP-E) for 3-way and 2-way airflow.

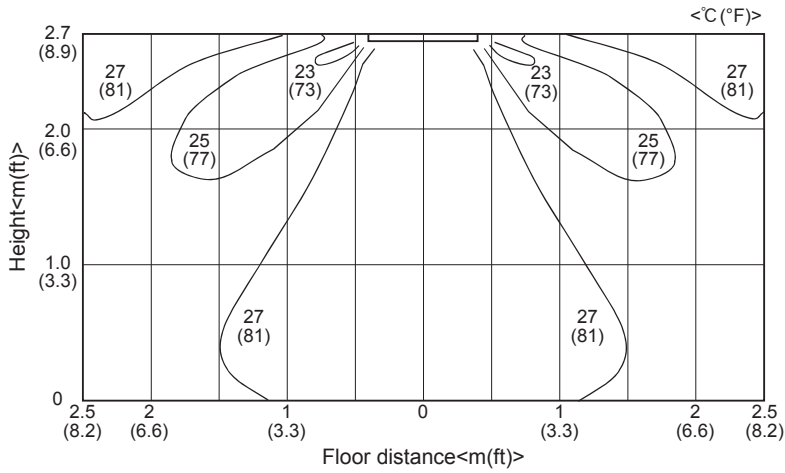
4-3. TEMPERATURE AND AIR FLOW DISTRIBUTIONS

PLA-A12EA7

Temperature distribution

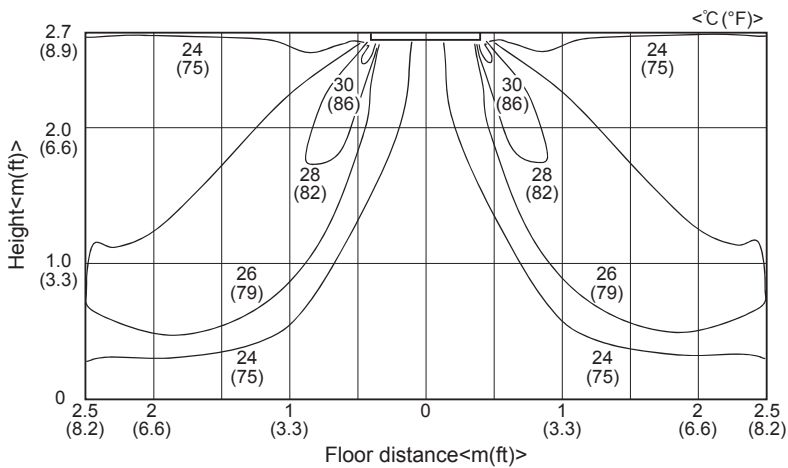
<Cooling mode>Standard

Flow angle: 30° 4-way flow
ceiling height: 2.7m(8.9ft)



<Heating mode>Standard

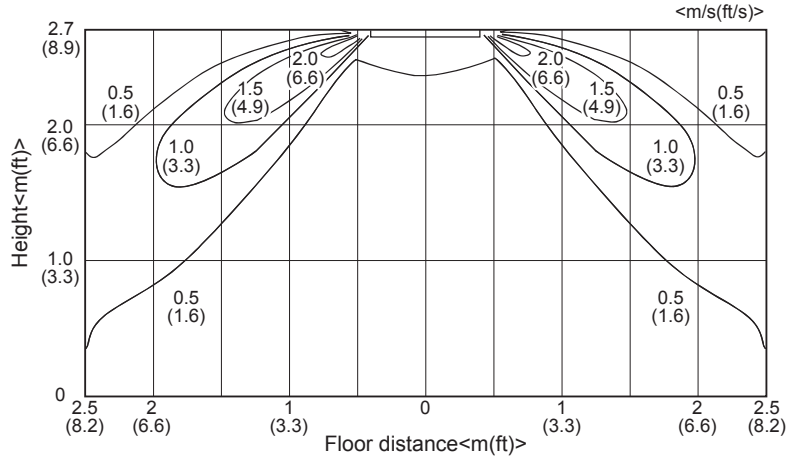
Flow angle: 60° 4-way flow
ceiling height: 2.7m(8.9ft)



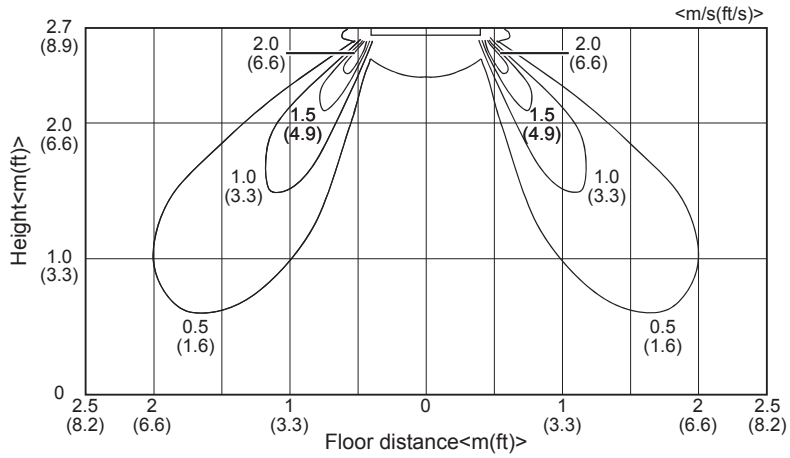
PLA-A12EA7

Airflow distribution

<Cooling mode>
Flow angle: 30°



<Heating mode>
Flow angle: 60°

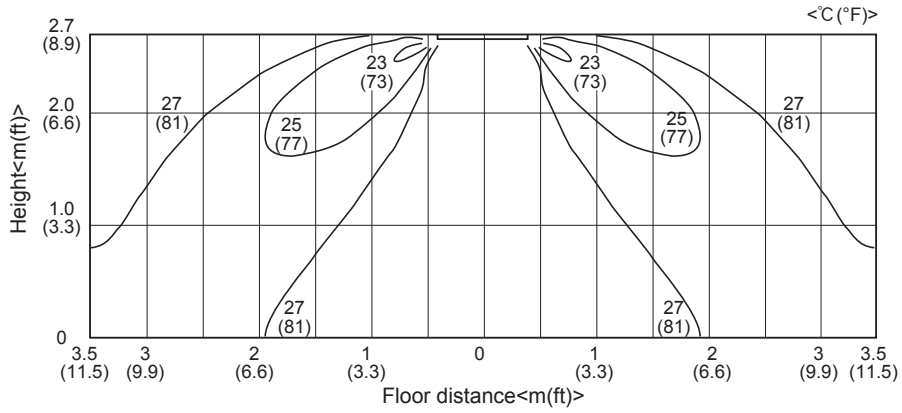


PLA-A18EA7

Temperature distribution

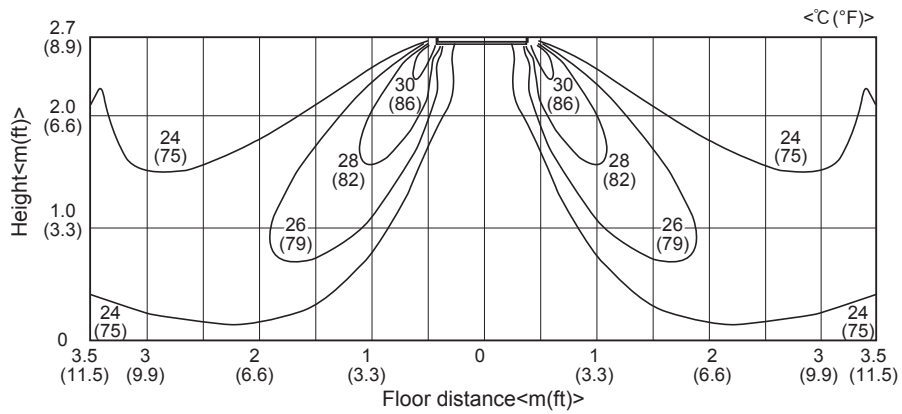
<Cooling mode>Standard

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)

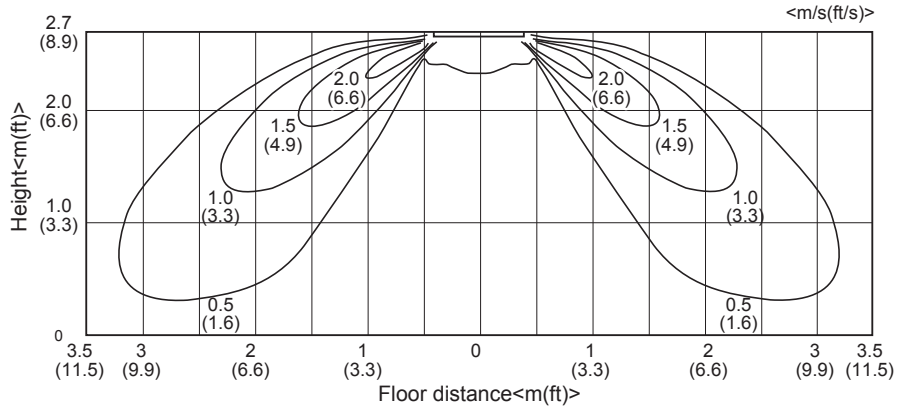


PLA-A18EA7

Airflow distribution

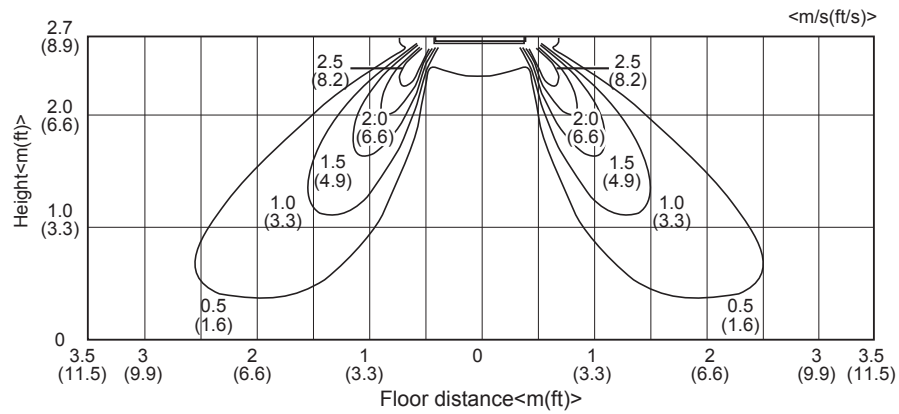
<Cooling mode>

Flow angle: 30°



<Heating mode>

Flow angle: 60°

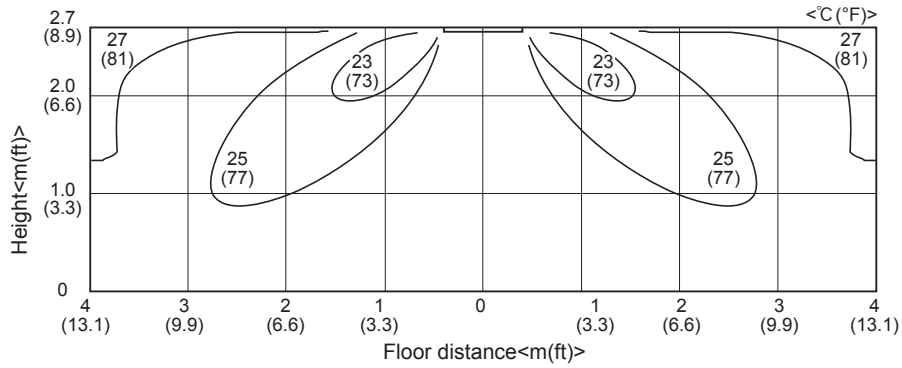


PLA-A24/30EA7

Temperature distribution

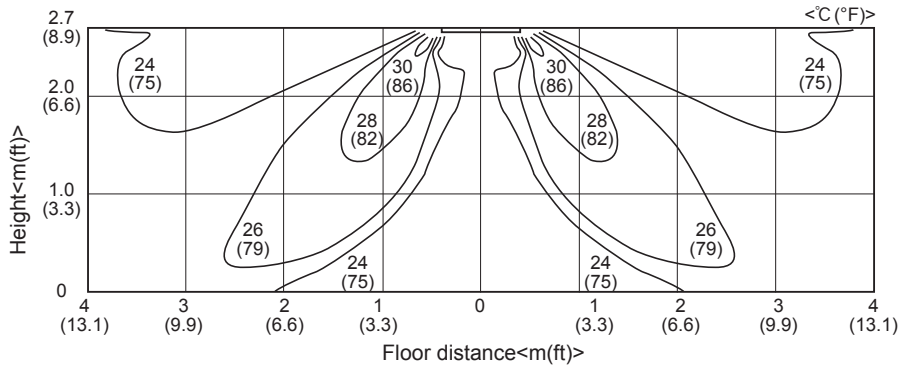
<Cooling mode>Standard

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)

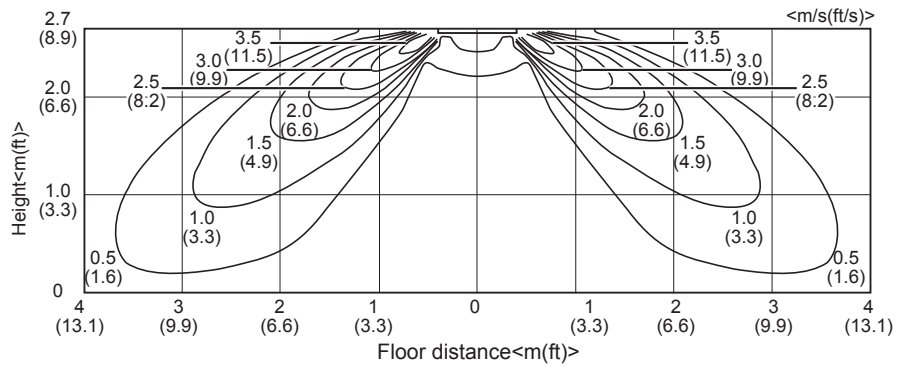


PLA-A24/30EA7

Airflow distribution

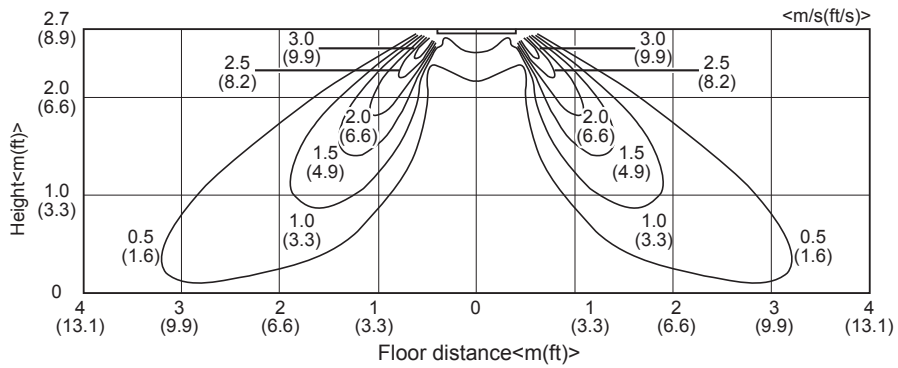
<Cooling mode>

Flow angle: 30°



<Heating mode>

Flow angle: 60°

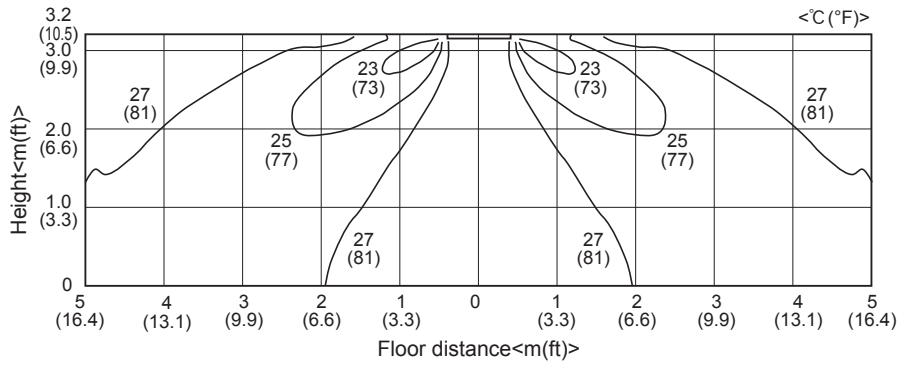


PLA-A36EA7

Temperature distribution

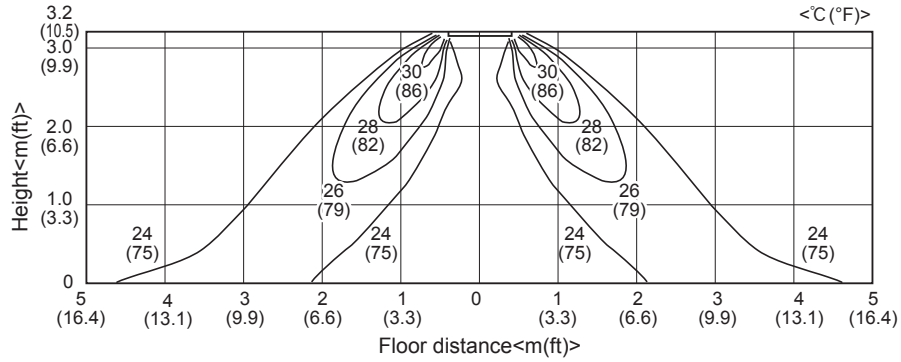
<Cooling mode>Standard

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)

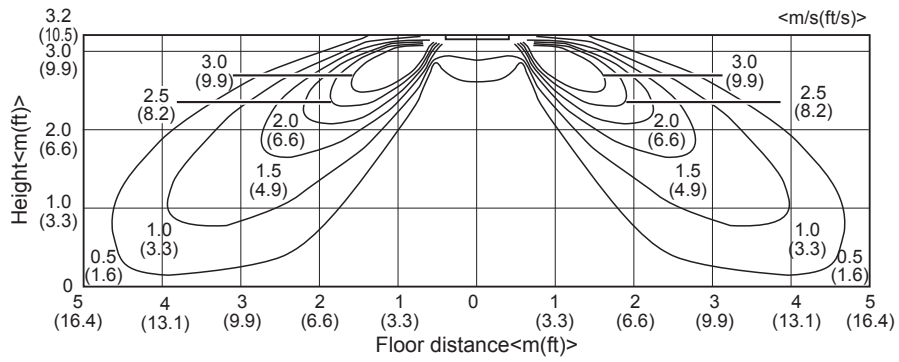


PLA-A36EA7

Airflow distribution

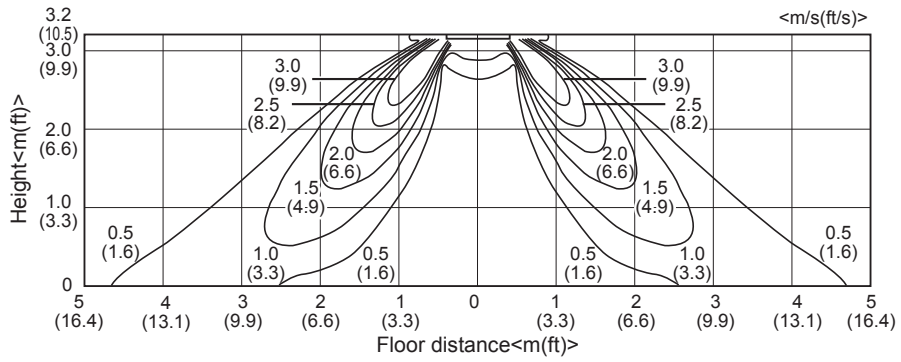
<Cooling mode>

Flow angle: 30°



<Heating mode>

Flow angle: 60°

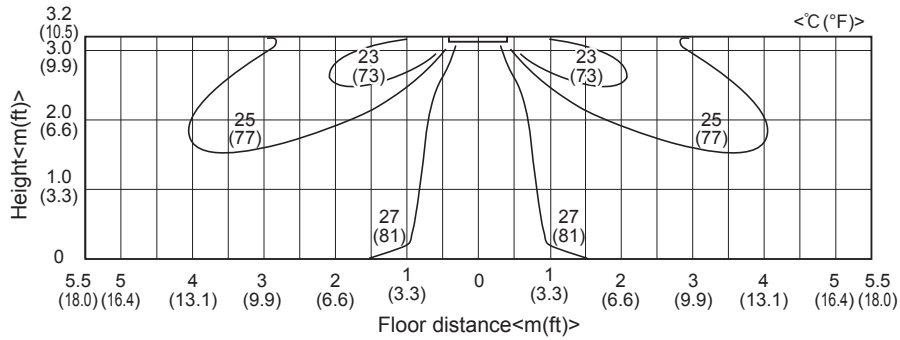


PLA-A42EA7

Temperature distribution

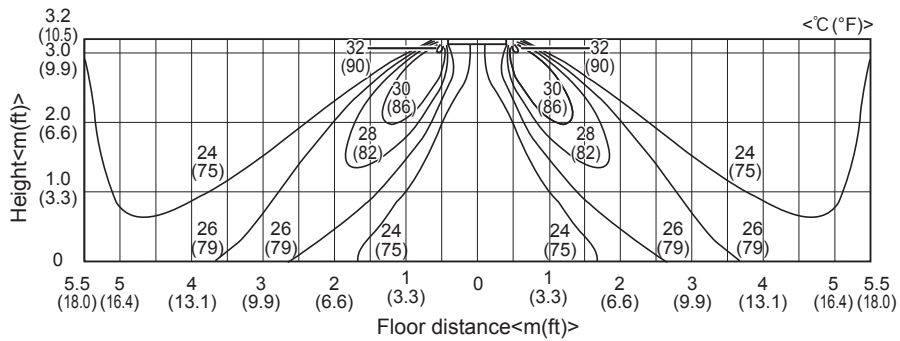
<Cooling mode>Standard

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)

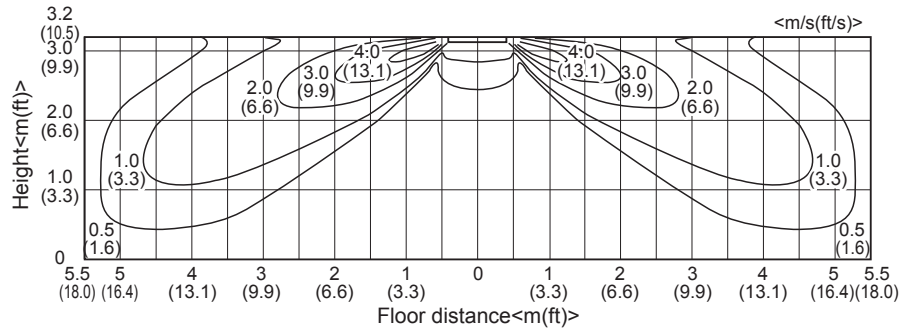


PLA-A42EA7

Airflow distribution

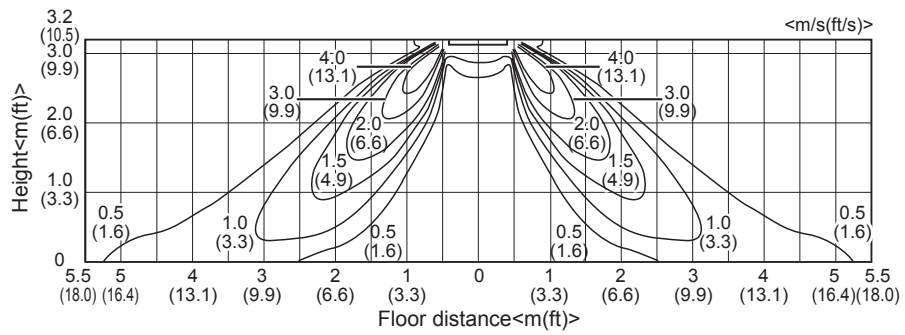
<Cooling mode>

Flow angle: 30°



<Heating mode>

Flow angle: 60°



mitsubishi electric corporation

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