

TECHNICAL DATA **R410A**

No. OCD843-T

Series PKA Wall Mounted

Indoor unit

[Model Name]

[Service Ref.]

PKA-A24KA8

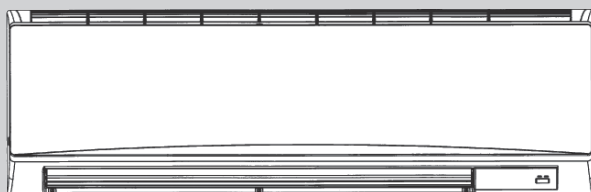
PKA-A24KA8

PKA-A30KA8

PKA-A30KA8

PKA-A36KA8

PKA-A36KA8



INDOOR UNIT

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WIRELESS REMOTE
CONTROLLER
(Option)



WIRED REMOTE
CONTROLLER
(Option)

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SPECIFICATIONS

1-1. INVERTER

Model name	Indoor unit		PKA-A24KA8	PKA-A30KA8	PKA-A36KA8
	Outdoor unit		PUY-A24NHA7	PUY-A30NHA7	PUY-A36NKA7
Cooling	Max. Capacity	Btu/h	24,000	30,000	36,000
	Rated Capacity	Btu/h	24,000	30,000	36,000
	Min. Capacity	Btu/h	10,000	9,000	16,000
	Total Input	W	1,960	3,150	3,330
	EER2	Btu/h/W	12.2	9.5	10.8
	SEER2	Btu/h/W	21.3	20.0	19.4
	Moisture Removal	Pints/h	5.0	8.1	9.7
	SHF		0.77	0.70	0.70
	Power factor	%	95.7	96.4	96.5
	Heating	Max. Capacity	Btu/h	-	-
Rated Capacity		Btu/h	-	-	-
Min. Capacity		Btu/h	-	-	-
Total Input		W	-	-	-
COP 47 °F		W/W	-	-	-
HSPF2		Btu/h/W	-	-	-
Power factor		%	-	-	-
Power supply		Phase,Cycle,Voltage	1phase, 60Hz, 208/230V		
	Breaker size	A	25		30
Voltage	Indoor - Outdoor S1-S2	AC208V / 230V			
	Indoor - Outdoor S2-S3	DC24V			
	Indoor - Remote controller	DC12V			
Indoor unit	MCA	A	1		
	MOCP	A	15		
	Fan Motor	F.L.A	0.36		0.57
	Fan Motor Output	W	56		
	Air flow DRY	CMM	18-20-22	20-23-26	
	(Lo-Mid-Hi) WET	CMM	16-18-20	18-21-23	
	Air flow DRY	CFM	635-705-775	705-810-920	
	(Lo-Mid-Hi) WET	CFM	570-635-700	635-730-830	
	External pressure	in.WG[Pa]	0		
	Sound level (Lo-Mid-Hi)	dB(A)	39-42-45	43-46-49	
	External finish	White Munsell 1.0Y 9.2/0.2			
	Dimension	W:mm[inch]	1,170[46-1/16]		
	Unit (Panel)	D:mm[inch]	295[11-5/8]		
		H:mm[inch]	365[14-3/8]		
Weight Unit		kg	21		
	lbs	46			
Field Drain pipe size	mm[inch]	16[5/8]			
Remote controller	Attached in indoor unit				
Outdoor unit	MCA	A	19		25
	MOCP	A	26		31
	Fan Motor	F.L.A	0.4		0.5 + 0.5
	Fan Motor Output	W	86		74
	Compressor	Type	SNB172FWHM1		MNB33FBRMC-L
		R.L.A	7		8
		L.R.A	11		13
	Air flow	CMM[CFM]	55[1,940]		110[3,880]
	Refrigerant Control	Electronic Expansion Valve			
	Defrost Method	-			
	Sound level at cooling	dB(A)	47		52
	Sound level at heating	dB(A)	-		
	External finish	Ivory Munsell 3Y 7.8/1.1			
	Dimension	W:mm[inch]	950 [37-13/32]		1,050 [41-5/16]
		D:mm[inch]	330 + 30 [13 + 1-3/16]		
		H:mm[inch]	943 [37-1/8]		1,338 [52-11/16]
Weight	kg[lbs]	68[151]		96[211]	
Refrigerant	Type	R410A			
	Charge	kg[lbs,oz]	3.5 [7 lbs 11 oz]		4.7 [10 lbs 6 oz]
	Oil	L[oz]	0.70 (FV50S) [23]		1.40 (FV50S) [45]
Refrigerant pipe size	Gas side O.D.	mm[inch]	15.88[5/8]		
	Liquid side O.D.	mm[inch]	9.52[3/8]		
Refrigerant pipe length	Height difference	Max. 30m [Max.100ft]			
	Length	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)	
Minimum	D.B. 19°C(66°F), W.B. 15°C(59°F)	D.B. -5°C(23°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		PKA-A24KA8	PKA-A30KA8	PKA-A36KA8
	Outdoor unit		PUZ-A24NHA7	PUZ-A30NHA7	PUZ-A36NKA7
Cooling	Max. Capacity	Btu/h	24,000	30,000	36,000
	Rated Capacity	Btu/h	24,000	30,000	36,000
	Min. Capacity	Btu/h	10,000	9,000	16,000
	Total Input	W	1,960	3,150	3,330
	EER2	Btu/h/W	12.2	9.5	10.8
	SEER2	Btu/h/W	21.3	20.0	19.4
	Moisture Removal	Pints/h	5.0	8.1	9.7
	SHF		0.77	0.70	0.70
	Power factor	%	95.7	96.4	96.5
Heating	Max. Capacity	Btu/h	28,000	34,000	40,000
	Rated Capacity	Btu/h	26,000	32,000	38,000
	Min. Capacity	Btu/h	10,000	10,000	18,700
	Total Input	W	1,810	2,520	2,460
	COP 47 °F	W/W	4.2	3.7	4.5
	HSPF2	Btu/h/W	9.3	8.8	8.4
	Power factor	%	96.3	96.4	95.5
	Phase,Cycle,Voltage	1phase, 60Hz, 208/230V			
Breaker size	A	25		30	
Voltage	Indoor - Outdoor S1-S2		AC208V / 230V		
	Indoor - Outdoor S2-S3		DC24V		
	Indoor - Remote controller		DC12V		
Indoor unit	MCA	A	1		
	MOCP	A	15		
	Fan Motor	F.L.A	0.36	0.57	
	Fan Motor Output	W	56		
	Air flow DRY	CMM	18-20-22	20-23-26	
	(Lo-Mid-Hi) WET	CMM	16-18-20	18-21-23	
	Air flow DRY	CFM	635-705-775	705-810-920	
	(Lo-Mid-Hi) WET	CFM	570-635-700	635-730-830	
	External pressure	in.WG[Pa]	0		
	Sound level (Lo-Mid-Hi)	dB(A)	39-42-45	43-46-49	
	External finish	White Munsell 1.0Y 9.2/0.2			
	Dimension	W:mm[inch]	1,170[46-1/16]		
	Unit (Panel)	D:mm[inch]	295[11-5/8]		
		H:mm[inch]	365[14-3/8]		
		Weight Unit	kg	21	
	lbs	46			
Field Drain pipe size	mm[inch]	16[5/8]			
Remote controller	Attached in indoor unit				
Outdoor unit	MCA	A	19	25	
	MOCP	A	26	31	
	Fan Motor	F.L.A	0.4	0.5 + 0.5	
	Fan Motor Output	W	86	74	
	Compressor	Type	SNB172FWHM1		MNB33FBRMC-L
		R.L.A	7		8
		L.R.A	11		13
	Air flow	CMM[CFM]	55[1,940]	110[3,880]	
	Refrigerant Control	Electronic Expansion Valve			
	Defrost Method	Reverse Cycle			
	Sound level at cooling	dB(A)	47	52	
	Sound level at heating	dB(A)	48	53	
	External finish	Ivory Munsell 3Y 7.8/1.1			
	Dimension	W:mm[inch]	950 [37-13/32]	1,050 [41-5/16]	
		D:mm[inch]	330 + 30 [13 + 1-3/16]		
H:mm[inch]		943 [37-1/8]	1,338 [52-11/16]		
Weight	kg[lbs]	69[153]	97[214]		
Refrigerant	Type	R410A			
	Charge	kg[lbs,oz]	3.5 [7 lbs 11 oz]	4.7 [10 lbs 6 oz]	
	Oil	L[oz]	0.70 (FV50S) [23]	1.40 (FV50S) [45]	
Refrigerant pipe size	Gas side O.D.	mm[inch]	15.88[5/8]		
	Liquid side O.D.	mm[inch]	9.52[3/8]		
Refrigerant pipe length	Height difference	Max. 30m [Max.100ft]			
	Length	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 A24/30/36 model)

Cooling	Maximum	Indoor intake air temperature		Outdoor intake air temperature	
		D.B. 32°C(90°F), W.B. 23°C(73°F)	D.B. 46°C (115°F)		
Heating	Minimum	D.B. 19°C (66°F), W.B. 15°C (59°F)		D.B. -5°C (23°F)	
	Maximum	D.B. 28°C (82°F)		D.B. -18°C (0°F)*	
Heating	Minimum	D.B. 10°C (50°F)		D.B. 21°C (70°F), W.B. 15°C (59°F)	
	Maximum	D.B. 28°C (82°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	PKA-A24KA8	PKA-A30KA8	PKA-A36KA8		
	Outdoor unit	PUZ-HA24NHA1	PUZ-HA30NKA	PUZ-HA36NKA		
Cooling	Max. Capacity	Btu/h	24,000	30,000	34,200	
	Rated Capacity	Btu/h	24,000	30,000	33,500	
	Min. Capacity	Btu/h	11,100	18,000	18,000	
	Total Input	W	1,900	2,500	2,790	
	EER2	Btu/h/W	12.6	12.8	12.3	
	SEER2	Btu/h/W	19.5	18.5	18.7	
	Moisture Removal	Pints/h	5.0	8.1	8.7	
	SHF		0.77	0.70	0.71	
	*1 Power factor	%	96	96.2	96.3	
	Heating	Max. Capacity	Btu/h	28,000	34,000	40,000
Rated Capacity		Btu/h	26,000	32,000	38,000	
Min. Capacity		Btu/h	10,300	18,000	18,000	
Total Input		W	1,920	2,930	3,410	
COP 47 °F		W/W	3.9	3.2	3.3	
HSPF2		Btu/h/W	9.5	8.5	9.0	
*1 Power factor		%	96	96.5	96.3	
Heating at 17°F (-8.3°C)		Max. Capacity	Btu/h	26,000	32,000	38,000
		Total Input	W	3,560	5,080	6,010
		*2 COP	W/W	2.1	1.85	1.85
Heating at 5°F (-15°C)	Max. Capacity	Btu/h	26,000	32,000	38,000	
	Total Input	W	3,990	5,770	6,760	
	*3 COP	W/W	1.9	1.63	1.65	
Power supply	Phase, Cycle, Voltage	1phase, 60Hz, 208/230V				
	Breaker size	A	25	30		
Voltage	Indoor - Outdoor S1-S2	AC208/230V				
	Indoor - Outdoor S2-S3	DC24V				
	Indoor - Remote Controller	DC12V				
Indoor unit	MCA	A	1			
	MOCP	A	15			
	Fan motor output	W	56			
	Air flow DRY(Lo-Mid-Hi)	CMM	18-20-22	20-23-26		
	Air flow WET(Lo-Mid-Hi)	CMM	16-18-20	18-21-23		
	Air flow DRY(Lo-Mid-Hi)	CFM	635-705-775	705-810-920		
	Air flow WET(Lo-Mid-Hi)	CFM	570-635-700	635-730-830		
	External pressure	in.WG [Pa]	0			
	Sound level (Lo-Mid-Hi)	dB(A)	39-42-45	43-46-49		
	External finish	White Munsell 1.0Y 9.2/0.2				
	Dimension Unit	W: mm [inch]	1,170 [46-1/16]			
		D: mm [inch]	295 [11-5/8]			
		H: mm [inch]	365 [14-3/8]			
Weight Unit	kg[lbs]	21 [46]				
Field drain pipe size O.D.	mm[inch]	16 [5/8]				
Remote Controller	Attached in indoor unit					
Outdoor unit	MCA	A	17	24	26	
	MOCP	A	27	40	42	
	Fan motor output	W	74	74 + 74		
	Compressor	Type	DNB28FBAMT	ANB33FJMMT		
	Air flow	CMM [CFM]	55 [1,940]	110 [3,880]		
	Refrigerant Control	Electronic Expansion Valve				
	Defrost Method	Reverse cycle				
	Sound level at cooling	dB(A)	52			
	Sound level at heating	dB(A)	53			
	External finish	Munsell 3Y 7.8/1.1				
	Dimension Unit	W: mm [inch]	950 [37-13/32]	1050 [41-11/32]		
		D: mm [inch]	330+25 [12-63/64+63/64]			
		H: mm [inch]	943 [37-1/8]	1,338 [52-43/64]		
Weight Unit	kg [lbs]	39 [86]	120 [265]			
Refrigerant	Type	R410A				
	Charge	kg [lbs, oz]	3.5 [7, 112]	5.2 [11, 176]		
	Oil	L [oz]	1.0 (FVC68D) [34]	1.4(FV50S) [47]		
Refrigerant pipe size	Gas side O.D.	mm [inch]	15.88 [5/8]	15.88 [5/8]		
	Liquid side O.D.	mm [inch]	9.52 [3/8]	9.52 [3/8]		
Refrigerant pipe length	Height difference IU-OU	Max. 30m [Max.100ft]				
	Length	Max. 50m [Max.165ft]	Max. 75m [Max.245ft]			
Refrigerant Piping Connection Method	Not Supplied 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.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)
 *3.Conditions (heating)-Indoor : D.B. 21.1°C(70°F), W.B. 15.6°C(60°F) Outdoor : D.B. -15°C(5°F), W.B. -15°C(5°F)

Operating range

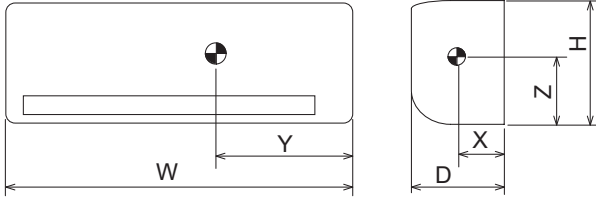
Cooling	Indoor intake air temperature		Outdoor intake air temperature	
	Maximum	D.B. 32°C(90°F), W.B. 23°C(73°F)	D.B. 46°C(115°F)	
Minimum	D.B. 19°C(66°F), W.B. 15°C(59°F)	D.B. -5°C(23°F) D.B. -18°C(0°F)*		
Heating	Maximum	D.B. 28°C(83°F)	D.B. 21.1°C(70°F), W.B. 15°C(59°F)	
	Minimum	D.B. 10°C(50°F)	D.B. -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	W	D	H	X	Y	Z
PKA-A24KA8	46-1/8 (1170)	11-5/8 (295)	14-3/8 (365)	7-1/2 (190)	18-1/8 (460)	7-1/2 (190)
PKA-A30KA8	46-1/8 (1170)	11-5/8 (295)	14-3/8 (365)	7-1/2 (190)	18-1/8 (460)	7-1/2 (190)
PKA-A36KA8	46-1/8 (1170)	11-5/8 (295)	14-3/8 (365)	7-1/2 (190)	18-1/8 (460)	7-1/2 (190)

PERFORMANCE CHART

3-1. INVERTER

3-1-1. COOLING CAPACITY

PKA-A24KA8/PUY-A24NHA7, PUZ-A24NHA7

CAPACITY (Btu/h): 24,000 INPUT (kW): 1.96 SHF: 0.77

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	15,425	0.67	1.63	22,824	15,201	0.67	1.70	22,368	14,897	0.67	1.79	21,792	14,513	0.67	1.91	21,048	14,018	0.67	2.05	19,944	13,283	0.67	2.25
19	66	18	64	24,648	13,458	0.55	1.67	24,312	13,274	0.55	1.74	23,832	13,012	0.55	1.83	23,208	12,672	0.55	1.95	22,416	12,239	0.55	2.09	21,240	11,597	0.55	2.29
20	68	16	61	23,160	16,351	0.71	1.63	22,824	16,114	0.71	1.70	22,368	15,792	0.71	1.79	21,792	15,385	0.71	1.91	21,048	14,860	0.71	2.05	19,944	14,080	0.71	2.25
20	68	18	64	24,648	14,444	0.59	1.67	24,312	14,247	0.59	1.74	23,832	13,966	0.59	1.83	23,208	13,600	0.59	1.95	22,416	13,136	0.59	2.09	21,240	12,447	0.59	2.29
20	68	20	68	26,184	12,202	0.47	1.71	25,824	12,034	0.47	1.78	25,344	11,810	0.47	1.87	24,672	11,497	0.47	1.99	23,832	11,106	0.47	2.13	22,536	10,502	0.47	2.34
22	72	16	61	23,160	18,204	0.79	1.63	22,824	17,940	0.79	1.70	22,368	17,581	0.79	1.79	21,792	17,129	0.79	1.91	21,048	16,544	0.79	2.05	19,944	15,676	0.79	2.25
22	72	18	64	24,648	16,416	0.67	1.67	24,312	16,192	0.67	1.74	23,832	15,872	0.67	1.83	23,208	15,457	0.67	1.95	22,416	14,929	0.67	2.09	21,240	14,146	0.67	2.29
22	72	20	68	26,184	14,296	0.55	1.71	25,824	14,100	0.55	1.78	25,344	13,838	0.55	1.87	24,672	13,471	0.55	1.99	23,832	13,012	0.55	2.13	22,536	12,305	0.55	2.34
24	75	16	61	23,160	20,057	0.87	1.63	22,824	19,766	0.87	1.70	22,368	19,371	0.87	1.79	21,792	18,872	0.87	1.91	21,048	18,228	0.87	2.05	19,944	17,272	0.87	2.25
24	75	18	64	24,648	18,387	0.75	1.67	24,312	18,137	0.75	1.74	23,832	17,779	0.75	1.83	23,208	17,313	0.75	1.95	22,416	16,722	0.75	2.09	21,240	15,845	0.75	2.29
24	75	20	68	26,184	16,391	0.63	1.71	25,824	16,166	0.63	1.78	25,344	15,865	0.63	1.87	24,672	15,445	0.63	1.99	23,832	14,919	0.63	2.13	22,536	14,108	0.63	2.34
24	75	22	72	27,720	14,026	0.51	1.75	27,384	13,856	0.51	1.82	26,856	13,589	0.51	1.91	26,160	13,237	0.51	2.02	25,248	12,775	0.51	2.17	23,832	12,059	0.51	2.38
26	79	16	61	23,160	21,909	0.95	1.63	22,824	21,592	0.95	1.70	22,368	21,160	0.95	1.79	21,792	20,615	0.95	1.91	21,048	19,911	0.95	2.05	19,944	18,867	0.95	2.25
26	79	18	64	24,648	20,359	0.83	1.67	24,312	20,082	0.83	1.74	23,832	19,685	0.83	1.83	23,208	19,170	0.83	1.95	22,416	18,516	0.83	2.09	21,240	17,544	0.83	2.29
26	79	20	68	26,184	18,486	0.71	1.71	25,824	18,232	0.71	1.78	25,344	17,893	0.71	1.87	24,672	17,418	0.71	1.99	23,832	16,825	0.71	2.13	22,536	15,910	0.71	2.34
26	79	22	72	27,720	16,244	0.59	1.75	27,384	16,047	0.59	1.82	26,856	15,738	0.59	1.91	26,160	15,330	0.59	2.02	25,248	14,795	0.59	2.17	23,832	13,966	0.59	2.38
27	81	16	61	23,160	22,836	0.99	1.63	22,824	22,504	0.99	1.70	22,368	22,055	0.99	1.79	21,792	21,487	0.99	1.91	21,048	20,753	0.99	2.05	19,944	19,665	0.99	2.25
27	81	18	64	24,648	21,345	0.87	1.67	24,312	21,054	0.87	1.74	23,832	20,639	0.87	1.83	23,208	20,098	0.87	1.95	22,416	19,412	0.87	2.09	21,240	18,394	0.87	2.29
27	81	20	68	26,184	19,533	0.75	1.71	25,824	19,265	0.75	1.78	25,344	18,907	0.75	1.87	24,672	18,405	0.75	1.99	23,832	17,779	0.75	2.13	22,536	16,812	0.75	2.34
27	81	22	72	27,720	17,353	0.63	1.75	27,384	17,142	0.63	1.82	26,856	16,812	0.63	1.91	26,160	16,376	0.63	2.02	25,248	15,805	0.63	2.17	23,832	14,919	0.63	2.34
28	82	16	61	23,160	23,160	1.00	1.63	22,824	22,824	1.00	1.70	22,368	22,368	1.00	1.79	21,792	21,792	1.00	1.91	21,048	21,048	1.00	2.05	19,944	19,944	1.00	2.25
28	82	18	64	24,648	22,331	0.91	1.67	24,312	22,027	0.91	1.74	23,832	21,592	0.91	1.83	23,208	21,026	0.91	1.95	22,416	20,309	0.91	2.09	21,240	19,243	0.91	2.29
28	82	20	68	26,184	20,581	0.79	1.71	25,824	20,298	0.79	1.78	25,344	19,920	0.79	1.87	24,672	19,392	0.79	1.99	23,832	18,732	0.79	2.13	22,536	17,713	0.79	2.34
28	82	22	72	27,720	18,462	0.67	1.75	27,384	18,238	0.67	1.82	26,856	17,886	0.67	1.91	26,160	17,423	0.67	2.02	25,248	16,815	0.67	2.17	23,832	15,872	0.67	2.38
30	86	16	61	23,160	23,160	1.00	1.63	22,824	22,824	1.00	1.70	22,368	22,368	1.00	1.79	21,792	21,792	1.00	1.91	21,048	21,048	1.00	2.05	19,944	19,944	1.00	2.25
30	86	18	64	24,648	24,303	0.99	1.67	24,312	23,972	0.99	1.74	23,832	23,498	0.99	1.83	23,208	22,883	0.99	1.95	22,416	22,102	0.99	2.09	21,240	20,943	0.99	2.29
30	86	20	68	26,184	22,675	0.87	1.71	25,824	22,364	0.87	1.78	25,344	21,948	0.87	1.87	24,672	21,366	0.87	1.99	23,832	20,639	0.87	2.13	22,536	19,516	0.87	2.34
30	86	22	72	27,720	20,679	0.75	1.75	27,384	20,428	0.75	1.82	26,856	20,035	0.75	1.91	26,160	19,515	0.75	2.02	25,248	18,835	0.75	2.17	23,832	17,779	0.75	2.38
32	90	16	61	23,160	23,160	1.00	1.63	22,824	22,824	1.00	1.70	22,368	22,368	1.00	1.79	21,792	21,792	1.00	1.91	21,048	21,048	1.00	2.05	19,944	19,944	1.00	2.25
32	90	18	64	24,648	24,648	1.00	1.67	24,312	24,312	1.00	1.74	23,832	23,832	1.00	1.83	23,208	23,208	1.00	1.95	22,416	22,416	1.00	2.09	21,240	21,240	1.00	2.29
32	90	20	68	26,184	24,770	0.95	1.71	25,824	24,430	0.95	1.78	25,344	23,975	0.95	1.87	24,672	23,340	0.95	1.99	23,832	22,545	0.95	2.13	22,536	21,319	0.95	2.34
32	90	22	72	27,720	22,897	0.83	1.75	27,384	22,619	0.83	1.82	26,856	22,183	0.83	1.91	26,160	21,608	0.83	2.02	25,248	20,855	0.83	2.17	23,832	19,685	0.83	2.38

PKA-A30KA8/PUY-A30NHA7, PUZ-A30NHA7

CAPACITY (Btu/h): 30,000 INPUT (kW): 3.15 SHF: 0.70

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	17,254	0.60	2.61	28,530	17,004	0.60	2.73	27,960	16,664	0.60	2.88	27,240	16,235	0.60	3.07	26,310	15,681	0.60	3.29	24,930	14,858	0.60	3.62
19	66	18	64	30,810	14,666	0.48	2.68	30,390	14,466	0.48	2.80	29,790	14,180	0.48	2.95	29,010	13,809	0.48	3.13	28,020	13,338	0.48	3.35	26,550	12,638	0.48	3.69
20	68	16	61	28,950	18,412	0.64	2.61	28,530	18,145	0.64	2.73	27,960	17,783	0.64	2.88	27,240	17,325	0.64	3.07	26,310	16,733	0.64	3.29	24,930	15,855	0.64	3.62
20	68	18	64	30,810	15,898	0.52	2.68	30,390	15,681	0.52	2.80	29,790	15,372	0.52	2.95	29,010	14,969	0.52	3.13	28,020	14,458	0.52	3.35	26,550	13,700	0.52	3.69
20	68	20	68	32,730	12,961	0.40	2.75	32,280	12,783	0.40	2.86	31,680	12,545	0.40	3.01	30,840	12,213	0.40	3.19	29,790	11,797	0.40	3.42	28,170	11,155	0.40	3.75
22	72	16	61	28,950	20,728	0.72	2.61	28,530	20,427	0.72	2.73	27,960	20,019	0.72	2.88	27,240	19,504	0.72	3.07	26,310	18,838	0.72	3.29	24,930	17,850	0.72	3.62
22	72	18	64	30,810	18,363	0.60	2.68	30,390	18,112	0.60	2.80	29,790	17,755	0.60	2.95	29,010	17,290	0.60	3.13	28,020	16,700	0.60	3.35	26,550	15,824	0.60	3.69
22	72	20	68	32,730	15,579	0.48	2.75	32,280	15,365	0.48	2.86	31,680	15,080	0.48	3.01	30,840	14,680	0.48	3.19	29,790	14,180	0.48	3.42	28,170	13,409	0.48	3.75
24	75	16	61	28,950	23,044	0.80	2.61	28,530	22,710	0.80	2.73	27,960	22,256	0.80	2.88	27,240	21,683	0.80	3.07	26,310							

PKA-A36KA8/PUY-A36NKA7, PUZ-A36NKA7

CAPACITY (Btu/h): 36,000 INPUT (kW): 3.33 SHF: 0.70

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	20,705	0.60	2.76	34,236	20,405	0.60	2.89	33,552	19,997	0.60	3.05	32,688	19,482	0.60	3.24	31,572	18,817	0.60	3.48	29,916	17,830	0.60	3.83
19	66	18	64	36,972	17,599	0.48	2.84	36,468	17,359	0.48	2.96	35,748	17,016	0.48	3.11	34,812	16,571	0.48	3.31	33,624	16,005	0.48	3.55	31,860	15,165	0.48	3.90
20	68	16	61	34,740	22,095	0.64	2.76	34,236	21,774	0.64	2.89	33,552	21,339	0.64	3.05	32,688	20,790	0.64	3.24	31,572	20,080	0.64	3.48	29,916	19,027	0.64	3.83
20	68	18	64	36,972	19,078	0.52	2.84	36,468	18,817	0.52	2.96	35,748	18,446	0.52	3.11	34,812	17,963	0.52	3.31	33,624	17,350	0.52	3.55	31,860	16,440	0.52	3.90
20	68	20	68	39,276	15,553	0.40	2.90	38,736	15,339	0.40	3.02	38,016	15,054	0.40	3.18	37,008	14,655	0.40	3.37	35,748	14,156	0.40	3.62	33,804	13,386	0.40	3.97
22	72	16	61	34,740	24,874	0.72	2.76	34,236	24,513	0.72	2.89	33,552	24,023	0.72	3.05	32,688	23,405	0.72	3.24	31,572	22,606	0.72	3.48	29,916	21,420	0.72	3.83
22	72	18	64	36,972	22,035	0.60	2.84	36,468	21,735	0.60	2.96	35,748	21,306	0.60	3.11	34,812	20,748	0.60	3.31	33,624	20,040	0.60	3.55	31,860	18,989	0.60	3.90
22	72	20	68	39,276	18,695	0.48	2.90	38,736	18,438	0.48	3.02	38,016	18,096	0.48	3.18	37,008	17,616	0.48	3.37	35,748	17,016	0.48	3.62	33,804	16,091	0.48	3.97
24	75	16	61	34,740	27,653	0.80	2.76	34,236	27,252	0.80	2.89	33,552	26,707	0.80	3.05	32,688	26,020	0.80	3.24	31,572	25,131	0.80	3.48	29,916	23,813	0.80	3.83
24	75	18	64	36,972	24,993	0.68	2.84	36,468	24,652	0.68	2.96	35,748	24,166	0.68	3.11	34,812	23,533	0.68	3.31	33,624	22,730	0.68	3.55	31,860	21,537	0.68	3.90
24	75	20	68	39,276	21,837	0.56	2.90	38,736	21,537	0.56	3.02	38,016	21,137	0.56	3.18	37,008	20,576	0.56	3.37	35,748	19,876	0.56	3.62	33,804	18,795	0.56	3.97
24	75	22	72	41,580	18,129	0.44	2.97	41,076	17,909	0.44	3.09	40,284	17,564	0.44	3.24	39,240	17,109	0.44	3.44	37,872	16,512	0.44	3.68	35,748	15,586	0.44	4.05
26	79	16	61	34,740	30,432	0.88	2.76	34,236	29,991	0.88	2.89	33,552	29,392	0.88	3.05	32,688	28,635	0.88	3.24	31,572	27,657	0.88	3.48	29,916	26,206	0.88	3.83
26	79	18	64	36,972	27,951	0.76	2.84	36,468	27,570	0.76	2.96	35,748	27,025	0.76	3.11	34,812	26,318	0.76	3.31	33,624	25,420	0.76	3.55	31,860	24,086	0.76	3.90
26	79	20	68	39,276	24,980	0.64	2.90	38,736	24,636	0.64	3.02	38,016	24,178	0.64	3.18	37,008	23,537	0.64	3.37	35,748	22,736	0.64	3.62	33,804	21,499	0.64	3.97
26	79	22	72	41,580	21,455	0.52	2.97	41,076	21,195	0.52	3.09	40,284	20,787	0.52	3.24	39,240	20,248	0.52	3.44	37,872	19,542	0.52	3.68	35,748	18,446	0.52	4.05
27	81	16	61	34,740	31,822	0.92	2.76	34,236	31,360	0.92	2.89	33,552	30,734	0.92	3.05	32,688	29,942	0.92	3.24	31,572	28,920	0.92	3.48	29,916	27,403	0.92	3.83
27	81	18	64	36,972	29,430	0.80	2.84	36,468	29,029	0.80	2.96	35,748	28,455	0.80	3.11	34,812	27,710	0.80	3.31	33,624	26,765	0.80	3.55	31,860	25,361	0.80	3.90
27	81	20	68	39,276	26,551	0.68	2.90	38,736	26,186	0.68	3.02	38,016	25,699	0.68	3.18	37,008	25,017	0.68	3.37	35,748	24,166	0.68	3.62	33,804	22,852	0.68	3.97
27	81	22	72	41,580	23,118	0.56	2.97	41,076	22,838	0.56	3.09	40,284	22,398	0.56	3.24	39,240	21,817	0.56	3.44	37,872	21,057	0.56	3.68	35,748	19,876	0.56	4.05
28	82	16	61	34,740	33,211	0.96	2.76	34,236	32,730	0.96	2.89	33,552	32,076	0.96	3.05	32,688	31,250	0.96	3.24	31,572	30,183	0.96	3.48	29,916	28,600	0.96	3.83
28	82	18	64	36,972	30,909	0.84	2.84	36,468	30,487	0.84	2.96	35,748	29,885	0.84	3.11	34,812	29,103	0.84	3.31	33,624	28,110	0.84	3.55	31,860	26,635	0.84	3.90
28	82	20	68	39,276	28,122	0.72	2.90	38,736	27,735	0.72	3.02	38,016	27,219	0.72	3.18	37,008	26,498	0.72	3.37	35,748	25,596	0.72	3.62	33,804	24,204	0.72	3.97
28	82	22	72	41,580	24,782	0.60	2.97	41,076	24,481	0.60	3.09	40,284	24,009	0.60	3.24	39,240	23,387	0.60	3.44	37,872	22,572	0.60	3.68	35,748	21,306	0.60	4.05
30	86	16	61	34,740	34,740	1.00	2.76	34,236	34,236	1.00	2.89	33,552	33,552	1.00	3.05	32,688	32,688	1.00	3.24	31,572	31,572	1.00	3.48	29,916	29,916	1.00	3.83
30	86	18	64	36,972	33,866	0.92	2.84	36,468	33,405	0.92	2.96	35,748	32,745	0.92	3.11	34,812	31,888	0.92	3.31	33,624	30,800	0.92	3.55	31,860	29,184	0.92	3.90
30	86	20	68	39,276	31,264	0.80	2.90	38,736	30,834	0.80	3.02	38,016	30,261	0.80	3.18	37,008	29,458	0.80	3.37	35,748	28,455	0.80	3.62	33,804	26,908	0.80	3.97
30	86	22	72	41,580	28,108	0.68	2.97	41,076	27,767	0.68	3.09	40,284	27,232	0.68	3.24	39,240	26,526	0.68	3.44	37,872	25,601	0.68	3.68	35,748	24,166	0.68	4.05
32	90	16	61	34,740	34,740	1.00	2.76	34,236	34,236	1.00	2.89	33,552	33,552	1.00	3.05	32,688	32,688	1.00	3.24	31,572	31,572	1.00	3.48	29,916	29,916	1.00	3.83
32	90	18	64	36,972	36,824	1.00	2.84	36,468	36,322	1.00	2.96	35,748	35,605	1.00	3.11	34,812	34,673	1.00	3.31	33,624	33,490	1.00	3.55	31,860	31,733	1.00	3.90
32	90	20	68	39,276	34,406	0.88	2.90	38,736	33,933	0.88	3.02	38,016	33,302	0.88	3.18	37,008	32,419	0.88	3.37	35,748	31,315	0.88	3.62	33,804	29,612	0.88	3.97
32	90	22	72	41,580	31,434	0.76	2.97	41,076	31,053	0.76	3.09	40,284	30,455	0.76	3.24	39,240	29,665	0.76	3.44	37,872	28,631	0.76	3.68	35,748	27,025	0.76	4.05

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

3-1-2. HEATING CAPACITY

PUZ-A24/30NHA7

PUZ-A36NKA7

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.
PKA-A24KA8	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
PKA-A30KA8	32,000	2.46	15	59	20,320	1.45	22,080	1.60	24,640	1.85	32,320	2.21	36,480	2.46	40,640	2.66
			20	68	19,520	1.57	21,120	1.72	23,360	1.99	31,200	2.39	35,200	2.66	39,200	2.85
			25	77	18,880	1.67	20,480	1.87	22,400	2.16	29,440	2.53	33,920	2.84	37,760	3.06
PKA-A36KA8	38,000	2.46	15	59	24,130	1.45	26,220	1.60	29,260	1.85	38,380	2.21	43,320	2.46	48,260	2.66
			20	68	23,180	1.57	25,080	1.72	27,740	1.99	37,050	2.39	41,800	2.66	46,550	2.85
			25	77	22,420	1.67	24,320	1.87	26,600	2.16	34,960	2.53	40,280	2.84	44,840	3.06

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

PKA-A24KA8/PUZ-HA24NHA1

CAPACITY (Btu/h): 30,000 INPUT (kW): 2.50 SHF: 0.70

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	68	16	61	25,146	16,747	0.67	1.26	23,652	15,752	0.67	1.43	21,760	14,492	0.67	1.56	19,967	13,298	0.67	1.69	18,175	12,105	0.67	1.78	16,382	10,911	0.67	1.87
19	68	18	64	27,485	15,007	0.55	1.39	25,992	14,191	0.55	1.56	24,100	13,158	0.55	1.69	22,307	12,180	0.55	1.82	20,515	11,201	0.55	1.91	18,722	10,222	0.55	2.00
20	68	16	61	25,146	17,753	0.71	1.26	23,652	16,698	0.71	1.43	21,760	15,363	0.71	1.56	19,967	14,097	0.71	1.69	18,175	12,832	0.71	1.78	16,382	11,566	0.71	1.87
20	68	18	64	27,485	16,106	0.59	1.39	25,992	15,231	0.59	1.56	24,100	14,122	0.59	1.69	22,307	13,072	0.59	1.82	20,515	12,022	0.59	1.91	18,722	10,971	0.59	2.00
20	68	20	68	28,680	13,365	0.47	1.47	27,485	12,808	0.47	1.60	25,892	12,066	0.47	1.75	24,000	11,184	0.47	1.90	22,108	10,302	0.47	2.00	20,515	9,560	0.47	2.08
22	72	16	61	25,146	19,765	0.79	1.26	23,652	18,591	0.79	1.43	21,760	17,103	0.79	1.56	19,967	15,694	0.79	1.69	18,175	14,285	0.79	1.78	16,382	12,877	0.79	1.87
22	72	18	64	27,485	18,305	0.67	1.39	25,992	17,310	0.67	1.56	24,100	16,050	0.67	1.69	22,307	14,856	0.67	1.82	20,515	13,663	0.67	1.91	18,722	12,469	0.67	2.00
22	72	20	68	28,680	15,660	0.55	1.47	27,485	15,007	0.55	1.60	25,892	14,137	0.55	1.75	24,000	13,104	0.55	1.90	22,108	12,071	0.55	2.00	20,515	11,201	0.55	2.08
24	75	16	61	25,146	21,776	0.87	1.26	23,652	20,483	0.87	1.43	21,760	18,844	0.87	1.56	19,967	17,292	0.87	1.69	18,175	15,739	0.87	1.78	16,382	14,187	0.87	1.87
24	75	18	64	27,485	20,504	0.75	1.39	25,992	19,390	0.75	1.56	24,100	17,978	0.75	1.69	22,307	16,641	0.75	1.82	20,515	15,304	0.75	1.91	18,722	13,967	0.75	2.00
24	75	20	68	28,680	17,954	0.63	1.47	27,485	17,206	0.63	1.60	25,892	16,208	0.63	1.75	24,000	15,024	0.63	1.90	22,108	13,840	0.63	2.00	20,515	12,842	0.63	2.08
24	75	22	72	30,274	15,319	0.51	1.53	29,278	14,815	0.51	1.69	27,485	13,908	0.51	1.84	25,693	13,001	0.51	1.98	23,900	12,094	0.51	2.07	21,909	11,086	0.51	2.13
26	79	16	61	25,146	23,788	0.95	1.26	23,652	22,375	0.95	1.43	21,760	20,585	0.95	1.56	19,967	18,889	0.95	1.69	18,175	17,193	0.95	1.78	16,382	15,498	0.95	1.87
26	79	18	64	27,485	22,703	0.83	1.39	25,992	21,469	0.83	1.56	24,100	19,906	0.83	1.69	22,307	18,426	0.83	1.82	20,515	16,945	0.83	1.91	18,722	15,464	0.83	2.00
26	79	20	68	28,680	20,248	0.71	1.47	27,485	19,157	0.71	1.60	25,892	18,280	0.71	1.75	24,000	16,944	0.71	1.90	22,108	15,608	0.71	2.00	20,515	14,483	0.71	2.08
26	79	22	72	30,274	17,740	0.59	1.53	29,278	17,157	0.59	1.69	27,485	16,106	0.59	1.84	25,693	15,056	0.59	1.98	23,900	14,006	0.59	2.07	21,909	12,839	0.59	2.13
27	81	16	61	25,146	24,794	0.99	1.26	23,652	23,321	0.99	1.43	21,760	21,455	0.99	1.56	19,967	19,688	0.99	1.69	18,175	17,920	0.99	1.78	16,382	16,153	0.99	1.87
27	81	18	64	27,485	23,802	0.87	1.39	25,992	22,509	0.87	1.56	24,100	20,870	0.87	1.69	22,307	19,318	0.87	1.82	20,515	17,766	0.87	1.91	18,722	16,213	0.87	2.00
27	81	20	68	28,680	21,396	0.75	1.47	27,485	20,504	0.75	1.60	25,892	19,316	0.75	1.75	24,000	17,904	0.75	1.90	22,108	16,492	0.75	2.00	20,515	15,304	0.75	2.08
27	81	22	72	30,274	18,951	0.63	1.53	29,278	18,328	0.63	1.69	27,485	17,206	0.63	1.84	25,693	16,084	0.63	1.98	23,900	14,962	0.63	2.07	21,909	13,715	0.63	2.13
28	82	16	61	25,146	25,146	1.00	1.26	23,652	23,652	1.00	1.43	21,760	21,760	1.00	1.56	19,967	19,967	1.00	1.69	18,175	18,175	1.00	1.78	16,382	16,382	1.00	1.87
28	82	18	64	27,485	24,902	0.91	1.39	25,992	23,548	0.91	1.56	24,100	21,834	0.91	1.69	22,307	20,210	0.91	1.82	20,515	18,586	0.91	1.91	18,722	16,962	0.91	2.00
28	82	20	68	28,680	22,543	0.79	1.47	27,485	21,604	0.79	1.60	25,892	20,351	0.79	1.75	24,000	18,864	0.79	1.90	22,108	17,377	0.79	2.00	20,515	16,124	0.79	2.08
28	82	22	72	30,274	20,162	0.67	1.53	29,278	19,499	0.67	1.69	27,485	18,305	0.67	1.84	25,693	17,112	0.67	1.98	23,900	15,918	0.67	2.07	21,909	14,591	0.67	2.13
30	86	16	61	25,146	25,146	1.00	1.26	23,652	23,652	1.00	1.43	21,760	21,760	1.00	1.56	19,967	19,967	1.00	1.69	18,175	18,175	1.00	1.78	16,382	16,382	1.00	1.87
30	86	18	64	27,485	27,101	0.99	1.39	25,992	25,628	0.99	1.56	24,100	23,762	0.99	1.69	22,307	21,995	0.99	1.82	20,515	20,227	0.99	1.91	18,722	18,460	0.99	2.00
30	86	20	68	28,680	24,837	0.87	1.47	27,485	23,802	0.87	1.60	25,892	22,423	0.87	1.75	24,000	20,784	0.87	1.90	22,108	19,145	0.87	2.00	20,515	17,766	0.87	2.08
30	86	22	72	30,274	22,584	0.75	1.53	29,278	21,841	0.75	1.69	27,485	20,504	0.75	1.84	25,693	19,167	0.75	1.98	23,900	17,830	0.75	2.07	21,909	16,344	0.75	2.13
32	90	16	61	25,146	25,146	1.00	1.26	23,652	23,652	1.00	1.43	21,760	21,760	1.00	1.56	19,967	19,967	1.00	1.69	18,175	18,175	1.00	1.78	16,382	16,382	1.00	1.87
32	90	18	64	27,485	27,485	1.00	1.39	25,992	25,992	1.00	1.56	24,100	24,100	1.00	1.69	22,307	22,307	1.00	1.82	20,515	20,515	1.00	1.91	18,722	18,722	1.00	2.00
32	90	20	68	28,680	27,132	0.95	1.47	27,485	26,001	0.95	1.60	25,892	24,494	0.95	1.75	24,000	22,704	0.95	1.90	22,108	20,914	0.95	2.00	20,515	19,407	0.95	2.08
32	90	22	72	30,274	25,006	0.83	1.53	29,278	24,184	0.83	1.69	27,485	22,793	0.83	1.84	25,693	21,222	0.83	1.98	23,900	19,742	0.83	2.07	21,909	18,907	0.83	2.13

PKA-A30KA8/PUZ-HA30NKA

CAPACITY (Btu/h): 30,000 INPUT (kW): 2.50 SHF: 0.70

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	68	16	61	31,432	19,362	0.62	1.54	29,565	18,212	0.62	1.75	27,200	16,755	0.62	1.92	24,959	15,375	0.62	2.08	22,719	13,995	0.62	2.18	20,478	12,614	0.62	2.29
19	68	18	64	34,357	17,041	0.50	1.70	32,490	16,115	0.50	1.91	30,124	14,942	0.50	2.07	27,884	13,830	0.50	2.23	25,643	12,719	0.50	2.34	23,402	11,608	0.50	2.45
20	68	16	61	31,432	20,620	0.66	1.54	29,565	19,395	0.66	1.75	27,200	17,843	0.66	1.92	24,959	16,373	0.66	2.08	22,719	14,903	0.66	2.18	20,478	13,434	0.66	2.29
20	68	18	64	34,357	18,415	0.54	1.70	32,490	17,414	0.54	1.91	30,124	16,147	0.54	2.07	27,884	14,946	0.54	2.23	25,643	13,745	0.54	2.34	23,402	12,544	0.54	2.45
20	68	20	68	35,851	14,914	0.42	1.80	34,357	14,292	0.42	1.96	32,365	13,464	0.42	2.15	30,000	12,480	0.42	2.33	27,635	11,496	0.42	2.45	25,643	10,668	0.42	2.55
22	72	16	61	31,432	23,134	0.74	1.54	29,565	21,760	0.74	1.75	27,200	20,019	0.74	1.92	24,959	18,370	0.74	2.08	22,719	16,721	0.74	2.18	20,478	15,072	0.74	2.29
22	72	18	64	34,357	21,164	0.62	1.70	32,490	20,014	0.62	1.91	30,124	18,557	0.62	2.07	27,884	17,176	0.62	2.23	25,643	15,796	0.62	2.34	23,402	14,416	0.62	2.45
22	72	20	68	35,851	17,782	0.50	1.80	34,357	17,041	0.50	1.96	32,365	16,053	0.50	2.15	30,000	14,880	0.50	2.33	27,635	13,707	0.50	2.45	25,643	12,719	0.50	2.55
24	75	16	61	31,432	25,649	0.82	1.54	29,565	24,125	0.82	1.75	27,200	22,195	0.82	1.92	24,959	20,367	0.82	2.08	22,719	18,538	0.82	2.18	20,478	16,710	0.82	2.29
24	75																										

PKA-A36KA8/PUZ-HA36NKA

CAPACITY (Btu/h): 33,500 INPUT (kW): 2.79 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	68	16	61	35,204	20,630	0.59	1.79	33,113	19,404	0.59	2.03	30,464	17,852	0.59	2.22	27,954	16,381	0.59	2.41	25,445	14,911	0.59	2.53	22,935	13,440	0.59	2.65
19	68	18	64	38,480	17,932	0.47	1.97	36,388	16,957	0.47	2.22	33,739	15,723	0.47	2.40	31,230	14,553	0.47	2.59	28,720	13,384	0.47	2.71	26,211	12,214	0.47	2.84
20	68	16	61	35,204	22,038	0.63	1.79	33,113	20,729	0.63	2.03	30,464	19,070	0.63	2.22	27,954	17,499	0.63	2.41	25,445	15,929	0.63	2.53	22,935	14,358	0.63	2.65
20	68	18	64	38,480	19,471	0.51	1.97	36,388	18,413	0.51	2.22	33,739	17,072	0.51	2.40	31,230	15,802	0.51	2.59	28,720	14,532	0.51	2.71	26,211	13,263	0.51	2.84
20	68	20	68	40,153	15,499	0.39	2.08	38,480	14,853	0.39	2.27	36,249	13,992	0.39	2.49	33,600	12,970	0.39	2.70	30,951	11,947	0.39	2.84	28,720	11,086	0.39	2.96
22	72	16	61	35,204	24,854	0.71	1.79	33,113	23,378	0.71	2.03	30,464	21,508	0.71	2.22	27,954	19,736	0.71	2.41	25,445	17,964	0.71	2.53	22,935	16,192	0.71	2.65
22	72	18	64	38,480	22,549	0.59	1.97	36,388	21,324	0.59	2.22	33,739	19,771	0.59	2.40	31,230	18,301	0.59	2.59	28,720	16,830	0.59	2.71	26,211	15,360	0.59	2.84
22	72	20	68	40,153	18,711	0.47	2.08	38,480	17,932	0.47	2.27	36,249	16,892	0.47	2.49	33,600	15,658	0.47	2.70	30,951	14,423	0.47	2.84	28,720	13,384	0.47	2.96
24	75	16	61	35,204	27,671	0.79	1.79	33,113	26,027	0.79	2.03	30,464	23,945	0.79	2.22	27,954	21,972	0.79	2.41	25,445	20,000	0.79	2.53	22,935	18,027	0.79	2.65
24	75	18	64	38,480	25,627	0.67	1.97	36,388	24,235	0.67	2.22	33,739	22,470	0.67	2.40	31,230	20,799	0.67	2.59	28,720	19,128	0.67	2.71	26,211	17,456	0.67	2.84
24	75	20	68	40,153	21,923	0.55	2.08	38,480	21,010	0.55	2.27	36,249	19,792	0.55	2.49	33,600	18,346	0.55	2.70	30,951	16,899	0.55	2.84	28,720	15,681	0.55	2.96
24	75	22	72	42,383	18,055	0.43	2.17	40,989	17,461	0.43	2.40	38,480	16,392	0.43	2.61	35,970	15,323	0.43	2.81	33,461	14,254	0.43	2.95	30,672	13,066	0.43	3.03
26	79	16	61	35,204	30,487	0.87	1.79	33,113	28,676	0.87	2.03	30,464	26,382	0.87	2.22	27,954	24,209	0.87	2.41	25,445	22,035	0.87	2.53	22,935	19,862	0.87	2.65
26	79	18	64	38,480	28,706	0.75	1.97	36,388	27,146	0.75	2.22	33,739	25,170	0.75	2.40	31,230	23,297	0.75	2.59	28,720	21,425	0.75	2.71	26,211	19,553	0.75	2.84
26	79	20	68	40,153	25,136	0.63	2.08	38,480	24,088	0.63	2.27	36,249	22,692	0.63	2.49	33,600	21,034	0.63	2.70	30,951	19,375	0.63	2.84	28,720	17,979	0.63	2.96
26	79	22	72	42,383	21,446	0.51	2.17	40,989	20,741	0.51	2.40	38,480	19,471	0.51	2.61	35,970	18,201	0.51	2.81	33,461	16,931	0.51	2.95	30,672	15,520	0.51	3.03
27	81	16	61	35,204	31,895	0.91	1.79	33,113	30,000	0.91	2.03	30,464	27,600	0.91	2.22	27,954	25,327	0.91	2.41	25,445	23,053	0.91	2.53	22,935	20,779	0.91	2.65
27	81	18	64	38,480	30,245	0.79	1.97	36,388	28,601	0.79	2.22	33,739	26,519	0.79	2.40	31,230	24,547	0.79	2.59	28,720	22,574	0.79	2.71	26,211	20,602	0.79	2.84
27	81	20	68	40,153	26,742	0.67	2.08	38,480	25,627	0.67	2.27	36,249	24,142	0.67	2.49	33,600	22,378	0.67	2.70	30,951	20,613	0.67	2.84	28,720	19,128	0.67	2.96
27	81	22	72	42,383	23,141	0.55	2.17	40,989	22,380	0.55	2.40	38,480	21,010	0.55	2.61	35,970	19,640	0.55	2.81	33,461	18,269	0.55	2.95	30,672	16,747	0.55	3.03
28	82	16	61	35,204	33,303	0.95	1.79	33,113	31,325	0.95	2.03	30,464	28,819	0.95	2.22	27,954	26,445	0.95	2.41	25,445	24,071	0.95	2.53	22,935	21,697	0.95	2.65
28	82	18	64	38,480	31,784	0.83	1.97	36,388	30,057	0.83	2.22	33,739	27,869	0.83	2.40	31,230	25,796	0.83	2.59	28,720	23,723	0.83	2.71	26,211	21,650	0.83	2.84
28	82	20	68	40,153	28,348	0.71	2.08	38,480	27,167	0.71	2.27	36,249	25,592	0.71	2.49	33,600	23,722	0.71	2.70	30,951	21,851	0.71	2.84	28,720	20,277	0.71	2.96
28	82	22	72	42,383	24,837	0.59	2.17	40,989	24,020	0.59	2.40	38,480	22,549	0.59	2.61	35,970	21,078	0.59	2.81	33,461	19,608	0.59	2.95	30,672	17,974	0.59	3.03
30	86	16	61	35,204	35,204	1.00	1.79	33,113	33,113	1.00	2.03	30,464	30,464	1.00	2.22	27,954	27,954	1.00	2.41	25,445	25,445	1.00	2.53	22,935	22,935	1.00	2.65
30	86	18	64	38,480	34,863	0.91	1.97	36,388	32,968	0.91	2.22	33,739	30,568	0.91	2.40	31,230	28,294	0.91	2.59	28,720	26,021	0.91	2.71	26,211	23,747	0.91	2.84
30	86	20	68	40,153	31,560	0.79	2.08	38,480	30,245	0.79	2.27	36,249	28,492	0.79	2.49	33,600	26,410	0.79	2.70	30,951	24,328	0.79	2.84	28,720	22,574	0.79	2.96
30	86	22	72	42,383	28,227	0.67	2.17	40,989	27,299	0.67	2.40	38,480	25,627	0.67	2.61	35,970	23,956	0.67	2.81	33,461	22,285	0.67	2.95	30,672	20,428	0.67	3.03
32	90	16	61	35,204	35,204	1.00	1.79	33,113	33,113	1.00	2.03	30,464	30,464	1.00	2.22	27,954	27,954	1.00	2.41	25,445	25,445	1.00	2.53	22,935	22,935	1.00	2.65
32	90	18	64	38,480	37,941	0.99	1.97	36,388	35,879	0.99	2.22	33,739	33,267	0.99	2.40	31,230	30,793	0.99	2.59	28,720	28,318	0.99	2.71	26,211	25,844	0.99	2.84
32	90	20	68	40,153	34,772	0.87	2.08	38,480	33,323	0.87	2.27	36,249	31,392	0.87	2.49	33,600	29,098	0.87	2.70	30,951	26,804	0.87	2.84	28,720	24,872	0.87	2.96
32	90	22	72	42,383	31,618	0.75	2.17	40,989	30,578	0.75	2.40	38,480	28,706	0.75	2.61	35,970	26,834	0.75	2.81	33,461	24,962	0.75	2.95	30,672	22,881	0.75	3.03

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

3-2-2. HEATING CAPACITY

Model Name	Capacity Btu/h	Input kW	Indoor intake air DB (°C)	Indoor intake air DB F (°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.
PKA-A24NKA8	26,000	1.92	15	59	16,763	1.27	20,415	1.51	22,252	1.62	25,946	1.81	29,661	1.96	33,395	2.06
			20	68	15,853	1.38	19,542	1.61	21,398	1.71	25,104	1.89	28,771	2.02	32,356	2.11
			25	77	14,306	1.47	18,155	1.70	20,069	1.81	23,847	1.98	27,518	2.10	31,035	2.19
PKA-A30NKA8	32,000	2.77	15	59	20,632	1.83	25,126	2.18	27,387	2.34	31,933	2.61	36,506	2.83	41,101	2.97
			20	68	19,511	1.99	24,052	2.32	26,336	2.47	30,898	2.72	35,411	2.91	39,823	3.05
			25	77	17,607	2.12	22,345	2.46	24,701	2.60	29,350	2.85	33,868	3.03	38,197	3.15
PKA-A36NKA8	38,000	3.34	15	59	24,500	2.21	29,837	2.63	32,522	2.82	37,921	3.15	43,351	3.41	48,808	3.58
			20	68	23,169	2.39	28,562	2.80	31,273	2.98	36,691	3.28	42,050	3.51	47,290	3.67
			25	77	20,908	2.56	26,534	2.96	29,332	3.14	34,853	3.44	40,219	3.66	45,359	3.80

4 AIRFLOW DATA

4-1. OUTLET AIR SPEED AND COVERAGE RANGE

		PKA-A24KA8	PKA-A30KA8	PKA-A36KA8
Airflow	CFM	775	775	920
Air speed	ft/sec.(m/sec.)	19.7(6.0)	19.7(6.0)	22.3(6.8)
Coverage range	ft(m)	47(14.3)	47(14.3)	53(16.1)

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.

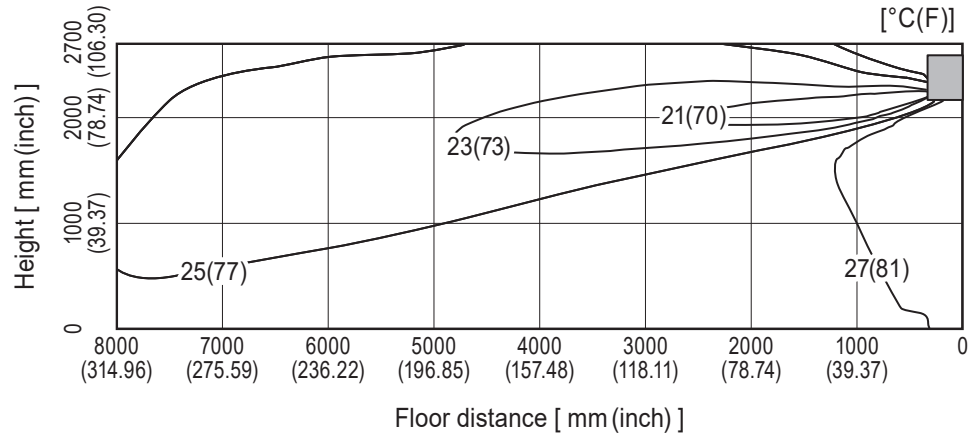
The coverage range should be used only as a general guideline since it varies according to the size of the room and the furniture inside the room.

4-2. TEMPERATURE AND AIRFLOW DISTRIBUTIONS

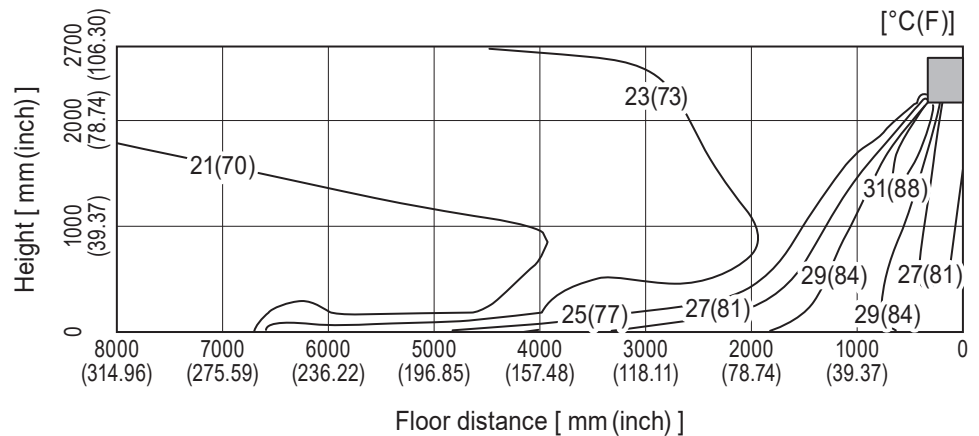
PKA-A24KA8

Temperature distribution

<Cooling mode> Air volume: high
Air direction: auto (upward airflow)



<Heating mode> Air volume: high
Air direction: auto (downward airflow)

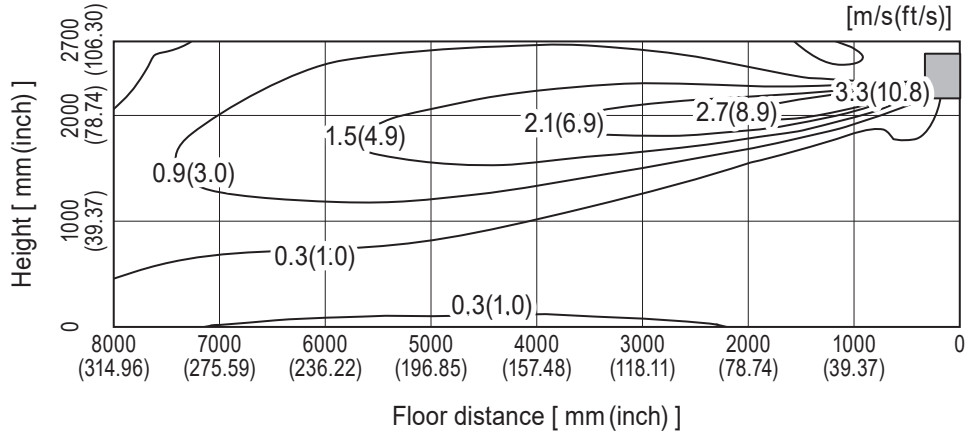


PKA-A24KA8

Airflow distribution

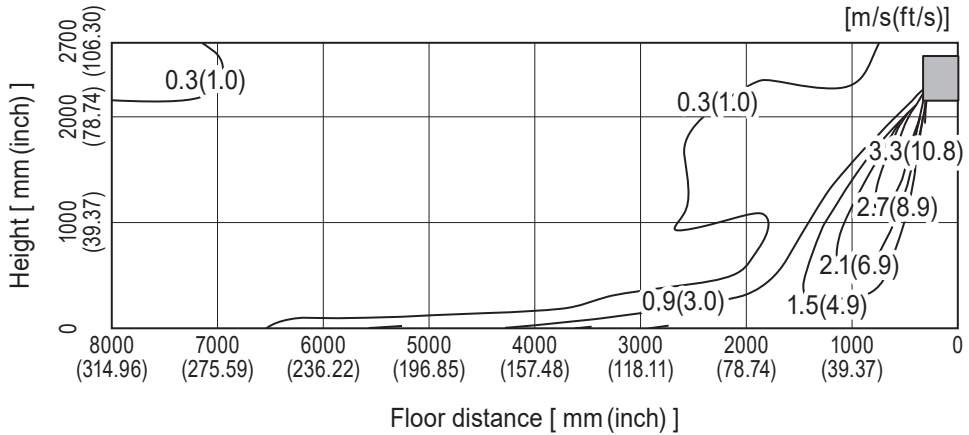
<Cooling mode>

Air volume: high
Air direction: auto (upward airflow)



<Heating mode>

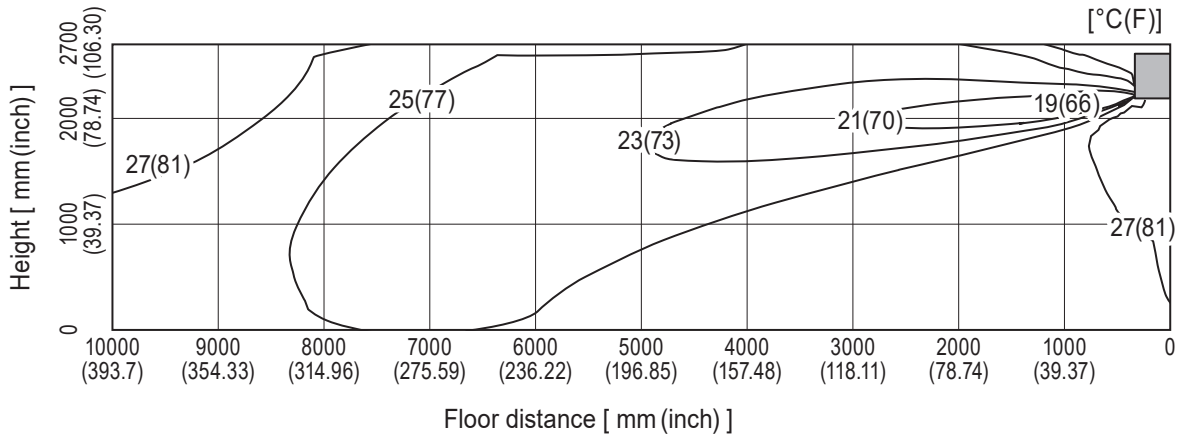
Air volume: high
Air direction: auto (downward airflow)



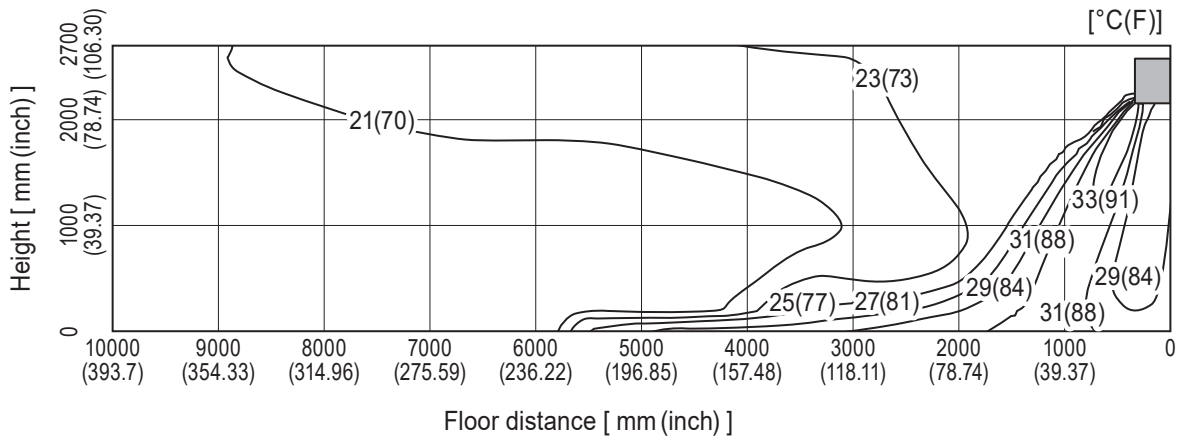
PKA-A30KA8

Temperature distribution

<Cooling mode> Air volume: high
Air direction: auto (upward airflow)



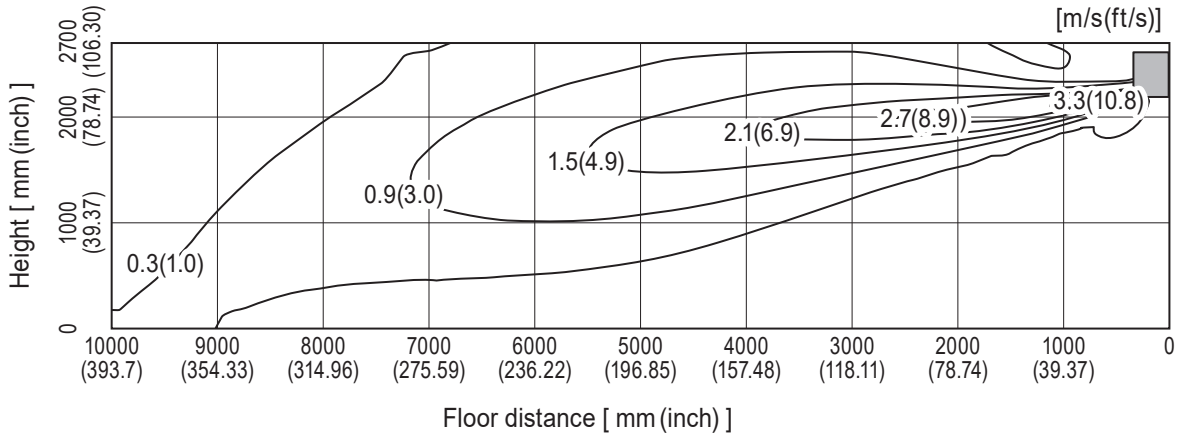
<Heating mode> Air volume: high
Air direction: auto (downward airflow)



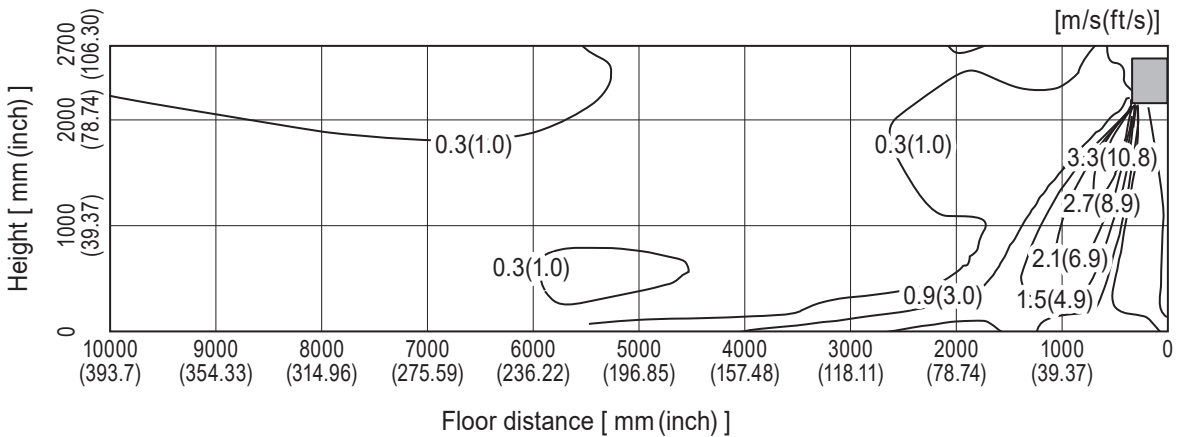
PKA-A30KA8

Airflow distribution

<Cooling mode> Air volume: high
Air direction: auto (upward airflow)



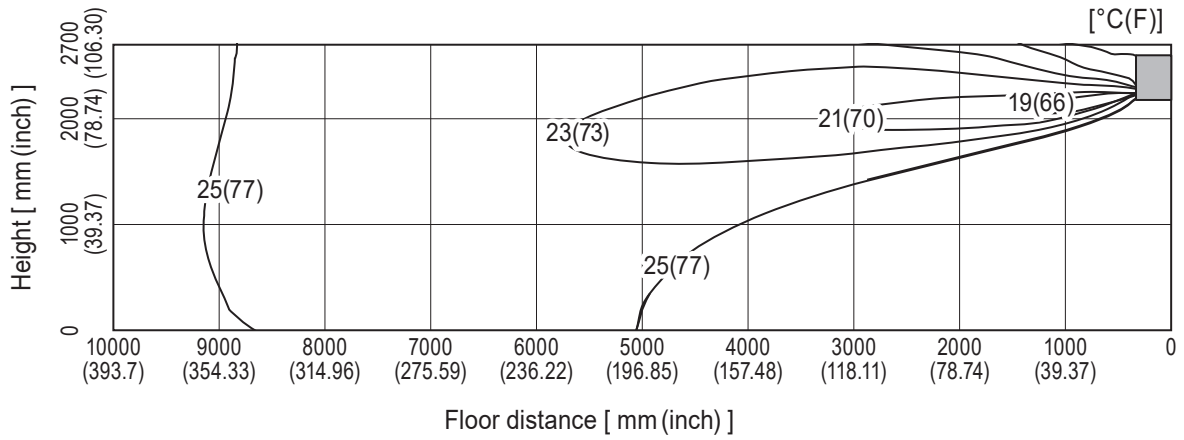
<Heating mode> Air volume: high
Air direction: auto (downward airflow)



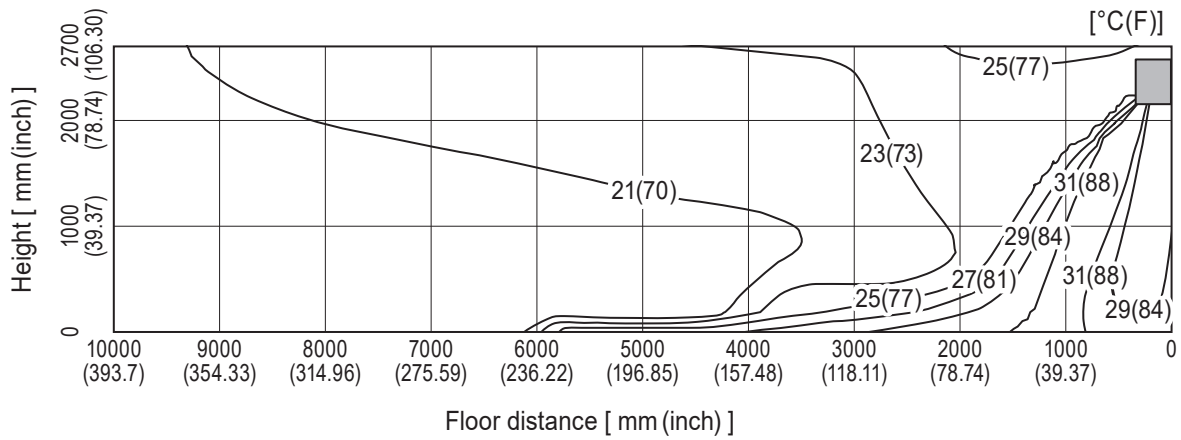
PKA-A36KA8

Temperature distribution

<Cooling mode> Air volume: high
Air direction: auto (upward airflow)



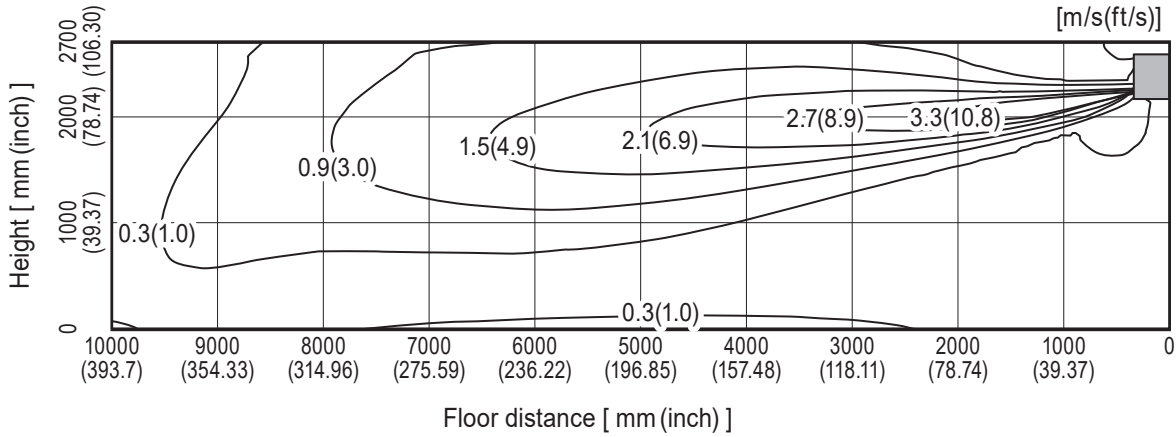
<Heating mode> Air volume: high
Air direction: auto (downward airflow)



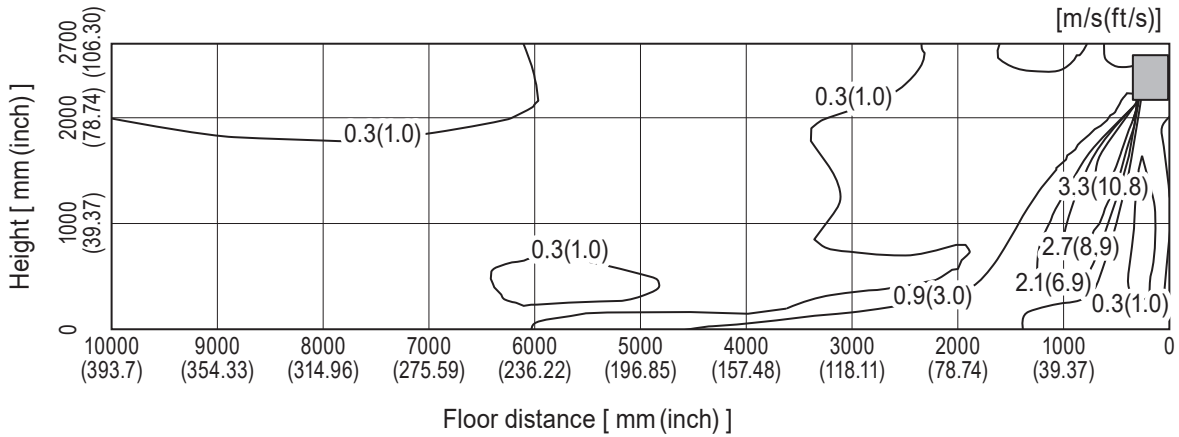
PKA-A36KA8

Airflow distribution

<Cooling mode> Air volume: high
Air direction: auto (upward airflow)



<Heating mode> Air volume: high
Air direction: auto (downward airflow)



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