

MITSUBISHI ELECTRIC TRANE HVAC US

SPLIT-TYPE AIR CONDITIONERS

November 2023

TECHNICAL DATA **R410A**

No. OC DT844-T

Ceiling Suspended

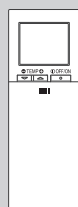
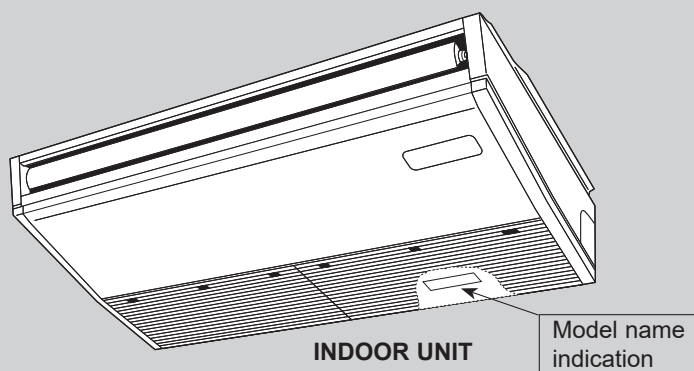
Indoor unit
[Model Name]

TPCA0A0241KA80A

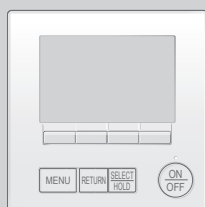
TPCA0A0301KA80A

TPCA0A0361KA80A

TPCA0A0421KA80A



WIRELESS REMOTE
CONTROLLER
(Option)



WIRED REMOTE
CONTROLLER
(Option)

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1-1. INVERTER

Model name	Indoor unit		TPCA0A0241KA80A	TPCA0A0301KA80A	TPCA0A0361KA80A	TPCA0A0421KA80A	
	Outdoor unit		TRUYA0241HA70NA	TRUYA0301HA70NA	TRUYA0361KA70NA	TRUYA0421KA70NA	
Cooling	Max. Capacity	Btu/h	24,000	30,000	36,000	42,000	
	Rated Capacity	Btu/h	24,000	30,000	36,000	42,000	
	Min. Capacity	Btu/h	10,000	9,000	16,000	16,000	
	Total Input	W	1,960	3,190	3,270	4,110	
	EER2	Btu/h/W	12.2	9.4	11.0	10.0	
	SEER2	Btu/h/W	21.0	19.8	19.5	17.7	
	Moisture Removal	Pints/h	5.8	8.3	8.7	11.7	
	SHF		0.73	0.69	0.73	0.69	
	Power factor	%	94.7	96.3	94.2	95.6	
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	2			
	MOCP	A	15				
	Fan Motor	F.L.A	0.54	0.97			
	Fan Motor Output	W	95	160			
	Air flow DRY	CMM	15-16-17-19	16-17-18-20	22-24-26-28	23-25-27-29	
	(LoLo-Lo-Mid-Hi) WET	CMM	14-15-16-18	15-16-17-19	20-22-24-26	21-23-25-27	
	Air flow DRY	CFM	530-565-600-670	565-600-635-705	775-850-920-990	810-885-955-1,025	
	(LoLo-Lo-Mid-Hi) WET	CFM	495-530-565-635	530-565-600-670	705-775-850-920	740-810-885-955	
	External pressure	in.WG[Pa]	0				
	Sound level (LoLo-Lo-Mid-Hi)	dB(A)	33-35-37-40	35-37-39-41	37-39-41-43	39-41-43-45	
	External finish		White Munsell 6.4Y 8.9/0.4				
	Dimension	W:mm[inch]	1,280[50-3/8]		1,600[63]		
	Unit (Panel)	D:mm[inch]	680[26-3/4]				
		H:mm[inch]	230[9-1/16]				
	Weight Unit	kg	32		36	39	
		lbs	71		79	86	
Field Drain pipe size	mm[inch]	26[1-1/32]					
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)	0				
	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]		
Refrigerant pipe size	Oil	L[oz]	0.70 (FV50S) [23]	1.40 (FV50S) [45]			
	Gas side O.D.	mm[inch]	15.88[5/8]				
Refrigerant pipe length	Liquid side O.D.	mm[inch]	9.52[3/8]				
	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)	Maximum	D.B. 46°C(115°F)
Cooling	Minimum	D.B. 19°C(66°F), W.B. 15°C(59°F)	Minimum	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		TPCA0A0241KA80A	TPCA0A0301KA80A	TPCA0A0361KA80A	TPCA0A0421KA80A
	Outdoor unit		TRUZA0241HA70NA	TRUZA0301HA70NA	TRUZA0361KA70NA	TRUZA0421KA70NA
Cooling	Max. Capacity	Btu/h	24,000	30,000	36,000	42,000
	Rated Capacity	Btu/h	24,000	30,000	36,000	42,000
	Min. Capacity	Btu/h	10,000	9,000	16,000	16,000
	Total Input	W	1,960	3,190	3,270	4,110
	EER2	Btu/h/W	12.2	9.4	11.0	10.0
	SEER2	Btu/h/W	21.0	19.8	19.5	17.7
	Moisture Removal	Pints/h	5.8	8.3	8.7	11.7
	SHF		0.73	0.69	0.73	0.69
	Power factor	%	94.7	96.3	94.2	95.6
Heating	Max. Capacity	Btu/h	28,000	34,000	40,000	48,000
	Rated Capacity	Btu/h	26,000	32,000	38,000	45,000
	Min. Capacity	Btu/h	8,800	8,600	17,900	18,100
	Total Input	W	1,860	2,570	2,460	3,480
	COP 47 °F	W/W	4.0	3.5	4.5	3.7
	HSPF2	Btu/h/W	9.2	9.2	8.9	9.4
	Power factor	%	94.3	96.1	92.7	94.6
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		2	
	MOCP	A			15	
	Fan Motor	F.L.A	0.54		0.97	
	Fan Motor Output	W	95		160	
	Air flow DRY	CMM	15-16-17-19	16-17-18-20	22-24-26-28	23-25-27-29
	(Lo-M2-M1-Hi) WET	CMM	14-15-16-18	15-16-17-19	20-22-24-26	21-23-25-27
	Air flow DRY	CFM	530-565-600-670	565-600-635-705	775-850-920-990	810-885-955-1,025
	(Lo-M2-M1-Hi) WET	CFM	495-530-565-635	530-565-600-670	705-775-850-920	740-810-885-955
	External pressure	in.WG[Pa]	0			
	Sound level (Lo-M2-M1-Hi)	dB(A)	33-35-37-40	35-37-39-41	37-39-41-43	39-41-43-45
	External finish		White Munsell 6.4Y 8.9/0.4			
	Dimension	W:mm[inch]	1,280[50-3/8]		1,600[63]	
	Unit (Panel)	D:mm[inch]	680[26-3/4]			
		H:mm[inch]	230[9-1/16]			
	Weight Unit	kg	32		36	39
		lbs	71		79	86
Field Drain pipe size	mm[inch]	26[1-1/32]				
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	SNB172FVWHM1		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

		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 (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		TPCA0A0241KA80A	TPCA0A0301KA80A	TPCA0A0361KA80A	TPCA0A0421KA80A	
	Outdoor unit		TRUZH0241HA10NA	TRUZH0301KA00NA	TRUZH0361KA00NA	TRUZH0421KA10NA	
Cooling	Max. Capacity	Btu/h	24,000	30,000	36,000	42,000	
	Rated Capacity	Btu/h	23,000	30,000	34,000	42,000	
	Min. Capacity	Btu/h	10,000	18,000	18,000	19,000	
	Total Input	W	1,840	2,480	2,810	4,200	
	EER2	Btu/h/W	12.5	12.6	12.5	10.0	
	SEER2	Btu/h/W	18.7	17.9	18.0	15.5	
	Moisture Removal	Pints/h	5.6	8.3	8.2	11.7	
	SHF		0.73	0.69	0.73	0.69	
	*1 Power factor	%	95	96.3	93.3	95.6	
	Heating	Max. Capacity	Btu/h	28,000	34,000	40,000	54,000
Rated Capacity		Btu/h	26,000	32,000	38,000	48,000	
Min. Capacity		Btu/h	10,300	18,000	18,000	21,000	
Total Input		W	2,050	2,990	3,270	4,150	
COP 47 °F		W/W	3.7	2.9	3.3	2.7	
HSPF2		Btu/h/W	9.5	8.5	9.2	9.0	
*1 Power factor		%	94	96.3	94.2	95.5	
Power supply		Phase, Cycle, Voltage		1phase, 60Hz, 208/230V			
		Breaker size	A	25	35	40	
Voltage		Indoor - Outdoor S1-S2		AC208/230V			
	Indoor - Outdoor S2-S3		DC24V				
	Indoor - Remote Controller		DC12V				
Indoor unit	MCA	A	1		2		
	MOCP	A	15				
	Fan motor	F.L.A.	0.54		0.97		
	Fan motor output	W	95		160		
	Air flow DRY(Lo-M2-M1-Hi)	CMM	15-16-17-19	16-17-18-20	22-24-26-28	23-25-27-29	
	Air flow WET(Lo-M2-M1-Hi)	CMM	14-15-16-18	15-16-17-19	20-22-24-26	21-23-25-27	
	Air flow DRY(Lo-M2-M1-Hi)	CFM	530-565-600-670	565-600-635-705	775-850-920-990	810-885-955-1,025	
	Air flow WET(Lo-M2-M1-Hi)	CFM	495-530-565-635	530-565-600-670	705-775-850-920	740-810-885-955	
	External pressure	in.WG [Pa]	0				
	Sound level (Lo-M2-M1-Hi)	dB(A)	33-35-37-40	35-37-39-41	37-39-41-43	39-41-43-45	
	External finish		White Munsell 6.4Y 8.9/0.4				
	Dimension Unit	W: mm [inch]	1,280 [50-3/8]		1,600 [63]		
		D: mm [inch]	680 [26-3/4]				
		H: mm [inch]	230 [9-1/16]				
	Weight Unit	kg[lbs]	32 [71]		36 [79]	39[86]	
	Field drain pipe size O.D.	mm[inch]	26 [1-1/32]				
Remote Controller			Attached in indoor unit				
Outdoor unit	MCA	A	17	24	26	36	
	MOCP	A	27	40	42	60	
	Fan motor output	W	74	74 + 74			
	Compressor	Type	DNB28FBAMT	ANB33FJMMT		ANB42FJTMT	
	Air flow	CMM [CFM]	55 [1,940]	110 [3,880]		94 [3,320]	
	Refrigerant Control		Electronic Expansion Valve				
	Defrost Method		Reverse cycle				
	Sound level at cooling	dB(A)		52		49	
	Sound level at heating	dB(A)		53		51	
	External finish		Munsell 3Y 7.8/1.1				
	Dimension Unit	W: mm [inch]	950 [37-13/32]	1,050 [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]	86 [190]	118 [261]		238 [283]	
	Refrigerant	Type		R410A			
		Charge	kg [lbs,oz]	3.5 [7, 112]	5.2 [11, 176]		6.0 [13, 96]
		Oil	L [oz]	1.0 (FVC68D) [34]	1.4 (FV50S) [47]		1.7 (FVC68D) [57]
	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 IU-OU		Max. 30m [Max. 100ft]				
	Length		Max. 50m [Max. 165ft]	Max. 75m [Max. 245ft]			
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.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)

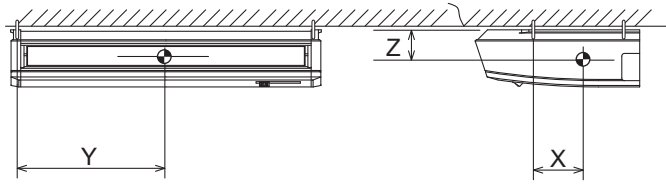
Operating range

	Indoor intake air temperature		Outdoor intake air temperature	
	Maximum	D.B. 32°C(90°F), W.B. 23°C(73°F)	Maximum	D.B. 46°C(115°F)
Cooling	Minimum	D.B. 19°C(66°F), W.B. 15°C(59°F)	Minimum	D.B. -5°C(23°F) D.B. -18°C(0°F)*
Heating	Maximum	D.B. 28°C(83°F)	Maximum	D.B. 21.1°C(70°F), W.B. 15°C(59°F)
	Minimum	D.B. 10°C(50°F)	Minimum	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
TPCA0A0241KA80A	4-3/8 (110)	24-1/16 (610)	4-9/16 (115)
TPCA0A0301KA80A	4-3/8 (110)	24-1/16 (610)	4-9/16 (115)
TPCA0A0361KA80A	4-3/8 (110)	30-3/8 (770)	4-9/16 (115)
TPCA0A0421KA80A	4-3/8 (110)	30-3/8 (770)	4-9/16 (115)

3-1. INVERTER

3-1-1. COOLING CAPACITY

TPCA0A0241KA80A/TRUYA0241HA70NA, TRUZA0241HA70NA

CAPACITY (Btu/h): 24,000 INPUT (kW): 1.96 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	68	16	61	23,160	14,498	0.63	1.63	22,824	14,288	0.63	1.70	22,368	14,002	0.63	1.79	21,792	13,642	0.63	1.91	21,048	13,176	0.63	2.05	19,944	12,485	0.63	2.25
19	68	18	64	24,648	12,472	0.51	1.67	24,312	12,302	0.51	1.74	23,832	12,059	0.51	1.83	23,208	11,743	0.51	1.95	22,416	11,342	0.51	2.09	21,240	10,747	0.51	2.29
20	68	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
20	68	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	20	68	26,184	11,154	0.43	1.71	25,824	11,001	0.43	1.78	25,344	10,797	0.43	1.87	24,672	10,510	0.43	1.99	23,832	10,152	0.43	2.13	22,536	9,600	0.43	2.34
22	72	16	61	23,160	17,277	0.75	1.63	22,824	17,027	0.75	1.70	22,368	16,687	0.75	1.79	21,792	16,257	0.75	1.91	21,048	15,702	0.75	2.05	19,944	14,878	0.75	2.25
22	72	18	64	24,648	15,430	0.63	1.67	24,312	15,219	0.63	1.74	23,832	14,919	0.63	1.83	23,208	14,528	0.63	1.95	22,416	14,032	0.63	2.09	21,240	13,296	0.63	2.29
22	72	20	68	26,184	13,249	0.51	1.71	25,824	13,067	0.51	1.78	25,344	12,824	0.51	1.87	24,672	12,484	0.51	1.99	23,832	12,059	0.51	2.13	22,536	11,403	0.51	2.34
24	75	16	61	23,160	19,130	0.83	1.63	22,824	18,853	0.83	1.70	22,368	18,476	0.83	1.79	21,792	18,000	0.83	1.91	21,048	17,386	0.83	2.05	19,944	16,474	0.83	2.25
24	75	18	64	24,648	17,401	0.71	1.67	24,312	17,164	0.71	1.74	23,832	16,825	0.71	1.83	23,208	16,385	0.71	1.95	22,416	15,826	0.71	2.09	21,240	14,995	0.71	2.29
24	75	20	68	26,184	15,344	0.59	1.71	25,824	15,133	0.59	1.78	25,344	14,852	0.59	1.87	24,672	14,458	0.59	1.99	23,832	13,966	0.59	2.13	22,536	13,206	0.59	2.34
24	75	22	72	27,720	12,918	0.47	1.75	27,384	12,761	0.47	1.82	26,856	12,515	0.47	1.91	26,160	12,191	0.47	2.02	25,248	11,766	0.47	2.17	23,832	11,106	0.47	2.38
26	79	16	61	23,160	20,983	0.91	1.63	22,824	20,679	0.91	1.70	22,368	20,265	0.91	1.79	21,792	19,744	0.91	1.91	21,048	19,069	0.91	2.05	19,944	18,069	0.91	2.25
26	79	18	64	24,648	19,373	0.79	1.67	24,312	19,109	0.79	1.74	23,832	18,732	0.79	1.83	23,208	18,241	0.79	1.95	22,416	17,619	0.79	2.09	21,240	16,695	0.79	2.29
26	79	20	68	26,184	17,439	0.67	1.71	25,824	17,199	0.67	1.78	25,344	16,879	0.67	1.87	24,672	16,432	0.67	1.99	23,832	15,872	0.67	2.13	22,536	15,009	0.67	2.34
26	79	22	72	27,720	15,135	0.55	1.75	27,384	14,952	0.55	1.82	26,856	14,663	0.55	1.91	26,160	14,283	0.55	2.02	25,248	13,785	0.55	2.17	23,832	13,012	0.55	2.38
27	81	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
27	81	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
27	81	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
27	81	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
28	82	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
28	82	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
28	82	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
28	82	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	2.38
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	23,317	0.95	1.67	24,312	22,999	0.95	1.74	23,832	22,545	0.95	1.83	23,208	21,955	0.95	1.95	22,416	21,206	0.95	2.09	21,240	20,093	0.95	2.29
30	86	20	68	26,184	21,628	0.83	1.71	25,824	21,331	0.83	1.78	25,344	20,934	0.83	1.87	24,672	20,379	0.83	1.99	23,832	19,685	0.83	2.13	22,536	18,615	0.83	2.34
30	86	22	72	27,720	19,570	0.71	1.75	27,384	19,333	0.71	1.82	26,856	18,960	0.71	1.91	26,160	18,469	0.71	2.02	25,248	17,825	0.71	2.17	23,832	16,825	0.71	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	23,723	0.91	1.71	25,824	23,397	0.91	1.78	25,344	22,962	0.91	1.87	24,672	22,353	0.91	1.99	23,832	21,592	0.91	2.13	22,536	20,418	0.91	2.34
32	90	22	72	27,720	21,788	0.79	1.75	27,384	21,524	0.79	1.82	26,856	21,109	0.79	1.91	26,160	20,562	0.79	2.02	25,248	19,845	0.79	2.17	23,832	18,732	0.79	2.38

TPCA0A0301KA80A/TRUYA0301HA70NA, TRUZA0301HA70NA

CAPACITY (Btu/h): 30,000 INPUT (kW): 3.19 SHF: 0.69

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	28,950	16,965	0.59	2.65	28,530	16,719	0.59	2.77	27,960	16,385	0.59	2.92	27,240	15,963	0.59	3.11	26,310	15,418	0.59	3.33	24,930	14,609	0.59	3.67
19	68	18	64	30,810	14,357	0.47	2.72	30,390	14,162	0.47	2.83	29,790	13,882	0.47	2.98	29,010	13,519	0.47	3.17	28,020	13,057	0.47	3.40	26,550	12,372	0.47	3.73
20	68	16	61	28,950	18,123	0.63	2.65	28,530	17,860	0.63	2.77	27,960	17,503	0.63	2.92	27,240	17,052	0.63	3.11	26,310	16,470	0.63	3.33	24,930	15,606	0.63	3.67
20	68	18	64	30,810	15,590	0.51	2.72	30,390	15,377	0.51	2.83	29,790	15,074	0.51	2.98	29,010	14,679	0.51	3.17	28,020	14,178	0.51	3.40	26,550	13,434	0.51	3.73
20	68	20	68	32,730	12,634	0.39	2.78	32,280	12,460	0.39	2.90	31,680	12,228	0.39	3.04	30,840	11,904	0.39	3.23	29,790	11,499	0.39	3.46	28,170	10,874	0.39	3.80
22	72	16	61	28,950	20,439	0.71	2.65	28,530	20,142	0.71	2.77	27,960	19,740	0.71	2.92	27,240	19,231	0.71	3.11	26,310	18,575	0.71	3.33	24,930	17,601	0.71	3.67
22	72	18	64	30,810	18,055	0.59	2.72	30,390	17,809	0.59	2.83	29,790	17,457	0.59	2.98	29,010	17,000	0.59	3.17	28,020	16,420	0.59	3.40	26,550	15,558	0.59	3.73
22	72	20	68	32,730	15,252	0.47	2.78	32,280	15,042	0.47	2.90	31,680	14,763	0.47	3.04	30,840	14,371	0.47	3.23	29,790	13,882	0.47	3.46	28,170	13,127	0.47	3.80
24	75	16	61	28,950	22,755	0.79	2.65	28,530	22,425	0.79	2.77	27,960	21,977	0.79	2.92	27,240	21,411	0.79	3.11	26,310	20,680	0.79	3.33	24,930	19,595	0.79	3.67
24	75	18	64	30,810	20,519	0.67	2.72	30,390	20,240	0.67	2.83	29,790	19,840	0.67	2.98	29,010	19,321	0.67	3.17	28,020	18,661	0.67	3.40	26,550	17,682	0.67	3.73
24	75	20	68	32,730	17,871	0.55	2.78	32,280	17,625	0.55	2.90	31,680	17,297	0.55	3.04	30,840	16,839	0.55	3.23	29,790	16,265	0.55	3.46	28,170	15,381	0.55	3.80
24	75	22	72	34,650	14,761	0.43	2.85	34,230	14,582	0.43	2.96	33,570	14,201	0.43	3.10	32,700	13,930	0.43	3.30	31,560	13,445	0.43	3.53	29,790	12,591	0.43	3.88
26	79	16	61	28,950	25,071	0.87	2.65	28,530	24,707	0.87	2.77	27,960	24,213	0.87	2.92	27,240	23,590	0.87	3.11	26,310	22,784	0.87	3.33	24,930	21,689	0.87	3.67
26	79	18	64	30,810	22,984	0.75	2.72	30,390	22,671	0.75	2.83	29,790	22,223	0.75	2.98	29,010	21,641	0.75	3.17	28,020	20,903	0.75	3.40	26,550	19,806	0.75	3.73
26	79	20	68	32,730	20,489	0.63	2.78	32,280	20,207	0.63	2.90	31,680	19,823	0.63	3.04	30,840	19,306	0.63	3.23	29,790	18,649	0.63	3.46	28,170	17,634	0.63	3.80
26	79	22	72	34,650	17,533	0.51	2.85	34,230	17,320	0.51	2.96	33,570	16,986	0.51	3.10	32,700	16,546	0.51	3.30	31,560	15,969	0.51	3.53	29,790	15,074	0.51	3.88
27	81	16	61	28,950	26,229	0.91	2.65	28,530	25,848	0.91	2.77	27,960	25,332	0.91	2.92	27,240	24,679	0.91	3.11	26,310	23,837	0.91	3.33	24,930	22,587	0.91	3.67
27	81	18	64	30,810	24,217	0.79	2.72	30,390	23,887	0.79	2.83	29,790	23,415	0.79	2.98	29,010	22,802	0.79	3.17	28,020	22,024	0.79	3.40	26,550	20,868	0.79	3.73
27	81	20	68	32,730	21,798	0.67	2.78	32,280	21,498	0.67	2.90	31,680	21,099	0.67	3.04	30,840	20,539	0.67	3.23	29,790	19,840	0.67	3.46	28,170	18,761	0.67	3.80
27	81	22	72	34,650	18,919	0.55	2.85	34,230	18,690	0.55	2.96	33,570	18,329	0.55	3.10	32,700	17,854	0.55	3.30	31,560	17,232	0.55	3.53	29,790	16,265	0.55	3.88
28	82	16	61	28,950	27,387	0.95	2.65	28,530	26,989	0.95	2.77	27,960	26,450	0.95	2.92	27,240	25,769	0.95	3.11	26,310	24,889	0.95	3.33	24,930	23,584	0.95	3.67
28	82	18	64	30,810	25,449	0.83	2.72	30,390	25,102	0.83	2.83	29,790	24,607	0.83	2.98	29,010	23,962	0.83	3.17	28,020	23,145	0.83	3.40	26,550	21,930	0.83	3.73
28	82	20	68	32,730	23,107	0.71	2.78	32,280	22,790	0.71	2.90	31,680	22,366	0.71	3.04	30,840	21,773	0.71	3.23	29,790	21,032	0.71	3.46	28,170	19,888	0.71	3.80
28	82	22	72	34,650	20,305	0.59	2.85	34,230	20,059	0.59	2.96	33,570	19,672	0.59	3.10	32,700	19,162	0.59	3.30	31,560	18,494	0.59	3.53	29,790	17,457	0.59	3.88
30	86	16	61	28,950	28,950	1.00	2.65	28,530	28,530	1.00	2.77	27,960	27,960	1.00	2.92	27,240	27,240	1.00	3.11	26,310	26,310	1.00	3.33	24,930	24,930	1.00	3.67
30	86	18	64	30,810	27,914	0.91	2.72	30,390	27,533	0.91	2.83	29,790	26,990	0.91	2.98	29,010	26,283	0.91	3.17	28,020	25,386	0.91	3.40	26,550	24,054	0.91	3.73
30	86	20	68	32,730	25,726	0.79	2.78	32,280	25,372	0.79	2.90	31,680	24,900	0.79	3.04	30,840	24,240	0.79	3.23	29,790	23,415	0.79	3.46	28,170	22,142	0.79	3.80
30	86	22	72	34,650	23,077	0.67	2.85	34,230	22,797	0.67	2.96	33,570	22,358	0.67	3.10	32,700	21,778	0.67	3.30	31,560	21,019	0.67	3.53	29,790	20,040	0.67	3.88
32	90	16	61	28,950	28,950	1.00	2.65	28,530	28,530	1.00	2.77	27,960	27,960	1.00	2.92	27,240	27,240	1.00	3.11	26,310	26,310	1.00	3.33	24,930	24,930	1.00	3.67
32	90	18	64	30,810	30,379	0.99	2.72	30,390	29,965	0.99	2.83	29,790	29,373	0.99	2.98	29,010	28,604	0.99	3.17	28,020	27,628	0.99	3.40	26,550	26,178	0.99	3.73
32	90	20	68	32,730	28,344	0.87	2.78	32,280	27,954	0.87	2.90	31,680	27,435	0.87	3.04	30,840	26,707	0.87	3.23	29,790	25,798	0.87	3.46	28,170	24,795	0.87	3.80
32	90	22	72	34,650	25,849	0.75	2.85	34,230	25,536	0.75	2.96	33,570	25,043	0.75	3.10	32,700	24,394	0.75	3.30	31,560	23,544	0.75	3.53	29,790	22,223	0.75	3.88



TPCA0A0361KA80A/TRUYA0361KA70NA, TRUZA0361KA70NA

CAPACITY (Btu/h): 36,000 INPUT (kW): 3.27 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	68	16	61	34,740	21,747	0.63	2.71	34,236	21,432	0.63	2.84	33,552	21,004	0.63	2.99	32,688	20,463	0.63	3.18	31,572	19,764	0.63	3.42	29,916	18,727	0.63	3.76
19	68	18	64	36,972	18,708	0.51	2.79	36,468	18,453	0.51	2.90	35,748	18,088	0.51	3.06	34,812	17,615	0.51	3.25	33,624	17,014	0.51	3.48	31,860	16,121	0.51	3.83
20	68	16	61	34,740	23,137	0.67	2.71	34,236	22,801	0.67	2.84	33,552	22,346	0.67	2.99	32,688	21,770	0.67	3.18	31,572	21,027	0.67	3.42	29,916	19,924	0.67	3.76
20	68	18	64	36,972	20,187	0.55	2.79	36,468	19,912	0.55	2.90	35,748	19,518	0.55	3.06	34,812	19,007	0.55	3.25	33,624	18,359	0.55	3.48	31,860	17,396	0.55	3.83
20	68	20	68	39,276	16,732	0.43	2.85	38,736	16,502	0.43	2.97	38,016	16,195	0.43	3.12	37,008	15,765	0.43	3.31	35,748	15,229	0.43	3.55	33,804	14,401	0.43	3.90
22	72	16	61	34,740	25,916	0.75	2.71	34,236	25,540	0.75	2.84	33,552	25,030	0.75	2.99	32,688	24,385	0.75	3.18	31,572	23,553	0.75	3.42	29,916	22,317	0.75	3.76
22	72	18	64	36,972	23,144	0.63	2.79	36,468	22,829	0.63	2.90	35,748	22,378	0.63	3.06	34,812	21,792	0.63	3.25	33,624	21,049	0.63	3.48	31,860	19,944	0.63	3.83
22	72	20	68	39,276	19,874	0.51	2.85	38,736	19,600	0.51	2.97	38,016	19,236	0.51	3.12	37,008	18,726	0.51	3.31	35,748	18,088	0.51	3.55	33,804	17,105	0.51	3.90
24	75	16	61	34,740	28,695	0.83	2.71	34,236	28,279	0.83	2.84	33,552	27,714	0.83	2.99	32,688	27,000	0.83	3.18	31,572	26,078	0.83	3.42	29,916	24,711	0.83	3.76
24	75	18	64	36,972	26,102	0.71	2.79	36,468	25,746	0.71	2.90	35,748	25,238	0.71	3.06	34,812	24,577	0.71	3.25	33,624	23,739	0.71	3.48	31,860	22,493	0.71	3.83
24	75	20	68	39,276	23,016	0.59	2.85	38,736	22,699	0.59	2.97	38,016	22,277	0.59	3.12	37,008	21,687	0.59	3.31	35,748	20,948	0.59	3.55	33,804	19,809	0.59	3.90
24	75	22	72	41,580	19,376	0.47	2.92	41,076	19,141	0.47	3.03	40,284	18,772	0.47	3.18	39,240	18,286	0.47	3.38	37,872	17,648	0.47	3.62	35,748	16,659	0.47	3.98
26	79	16	61	34,740	31,474	0.91	2.71	34,236	31,018	0.91	2.84	33,552	30,398	0.91	2.99	32,688	29,615	0.91	3.18	31,572	28,604	0.91	3.42	29,916	27,104	0.91	3.76
26	79	18	64	36,972	29,060	0.79	2.79	36,468	28,664	0.79	2.90	35,748	28,098	0.79	3.06	34,812	27,362	0.79	3.25	33,624	26,428	0.79	3.48	31,860	25,042	0.79	3.83
26	79	20	68	39,276	26,158	0.67	2.85	38,736	25,798	0.67	2.97	38,016	25,319	0.67	3.12	37,008	24,647	0.67	3.31	35,748	23,808	0.67	3.55	33,804	22,513	0.67	3.90
26	79	22	72	41,580	22,703	0.55	2.92	41,076	22,429	0.55	3.03	40,284	21,995	0.55	3.18	39,240	21,425	0.55	3.38	37,872	20,678	0.55	3.62	35,748	19,518	0.55	3.98
27	81	16	61	34,740	32,864	0.95	2.71	34,236	32,387	0.95	2.84	33,552	31,740	0.95	2.99	32,688	30,923	0.95	3.18	31,572	29,867	0.95	3.42	29,916	28,301	0.95	3.76
27	81	18	64	36,972	30,539	0.83	2.79	36,468	30,123	0.83	2.90	35,748	29,528	0.83	3.06	34,812	28,755	0.83	3.25	33,624	27,773	0.83	3.48	31,860	26,316	0.83	3.83
27	81	20	68	39,276	27,729	0.71	2.85	38,736	27,348	0.71	2.97	38,016	26,839	0.71	3.12	37,008	26,128	0.71	3.31	35,748	25,380	0.71	3.55	33,804	24,866	0.71	3.90
27	81	22	72	41,580	24,366	0.59	2.92	41,076	24,071	0.59	3.03	40,284	23,606	0.59	3.18	39,240	22,995	0.59	3.38	37,872	22,193	0.59	3.62	35,748	20,948	0.59	3.98
28	82	16	61	34,740	34,254	0.99	2.71	34,236	33,757	0.99	2.84	33,552	33,082	0.99	2.99	32,688	32,230	0.99	3.18	31,572	31,130	0.99	3.42	29,916	29,497	0.99	3.76
28	82	18	64	36,972	32,018	0.87	2.79	36,468	31,581	0.87	2.90	35,748	30,958	0.87	3.06	34,812	30,147	0.87	3.25	33,624	29,138	0.87	3.48	31,860	27,591	0.87	3.83
28	82	20	68	39,276	29,300	0.75	2.85	38,736	28,897	0.75	2.97	38,016	28,360	0.75	3.12	37,008	27,608	0.75	3.31	35,748	26,668	0.75	3.55	33,804	25,218	0.75	3.90
28	82	22	72	41,580	26,029	0.63	2.92	41,076	25,714	0.63	3.03	40,284	25,218	0.63	3.18	39,240	24,564	0.63	3.38	37,872	23,708	0.63	3.62	35,748	22,378	0.63	3.98
30	86	16	61	34,740	34,740	1.00	2.71	34,236	34,236	1.00	2.84	33,552	33,552	1.00	2.99	32,688	32,688	1.00	3.18	31,572	31,572	1.00	3.42	29,916	29,916	1.00	3.76
30	86	18	64	36,972	34,976	0.95	2.79	36,468	34,499	0.95	2.90	35,748	33,818	0.95	3.06	34,812	32,932	0.95	3.25	33,624	31,808	0.95	3.48	31,860	30,140	0.95	3.83
30	86	20	68	39,276	32,442	0.83	2.85	38,736	31,996	0.83	2.97	38,016	31,401	0.83	3.12	37,008	30,569	0.83	3.31	35,748	29,528	0.83	3.55	33,804	27,922	0.83	3.90
30	86	22	72	41,580	29,355	0.71	2.92	41,076	29,000	0.71	3.03	40,284	28,441	0.71	3.18	39,240	27,703	0.71	3.38	37,872	26,738	0.71	3.62	35,748	25,238	0.71	3.98
32	90	16	61	34,740	34,740	1.00	2.71	34,236	34,236	1.00	2.84	33,552	33,552	1.00	2.99	32,688	32,688	1.00	3.18	31,572	31,572	1.00	3.42	29,916	29,916	1.00	3.76
32	90	18	64	36,972	36,972	1.00	2.79	36,468	36,468	1.00	2.90	35,748	35,748	1.00	3.06	34,812	34,812	1.00	3.25	33,624	33,624	1.00	3.48	31,860	31,860	1.00	3.83
32	90	20	68	39,276	35,584	0.91	2.85	38,736	35,095	0.91	2.97	38,016	34,442	0.91	3.12	37,008	33,529	0.91	3.31	35,748	32,388	0.91	3.55	33,804	30,626	0.91	3.90
32	90	22	72	41,580	32,682	0.79	2.92	41,076	32,295	0.79	3.03	40,284	31,663	0.79	3.18	39,240	30,843	0.79	3.38	37,872	29,767	0.79	3.62	35,748	28,098	0.79	3.98

TPCA0A0421KA80A/TRUYA0421KA70NA, TRUZA0421KA70NA

CAPACITY (Btu/h): 42,000 INPUT (kW): 4.11 SHF: 0.69

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	40,530	23,751	0.59	3.41	39,942	23,406	0.59	3.56	39,144	22,938	0.59	3.76	38,136	22,348	0.59	4.00	36,834	21,585	0.59	4.29	34,902	20,453	0.59	4.72
19	68	18	64	43,134	20,100	0.47	3.50	42,546	19,826	0.47	3.65	41,706	19,435	0.47	3.84	40,614	18,926	0.47	4.09	39,228	18,280	0.47	4.38	37,170	17,321	0.47	4.81
20	68	16	61	40,530	25,372	0.63	3.41	39,942	25,004	0.63	3.56	39,144	24,504	0.63	3.76	38,136	23,873	0.63	4.00	36,834	23,058	0.63	4.29	34,902	21,849	0.63	4.72
20	68	18	64	43,134	21,826	0.51	3.50	42,546	21,528	0.51	3.65	41,706	21,103	0.51	3.84	40,614	20,551	0.51	4.09	39,228	19,849	0.51	4.38	37,170	18,808	0.51	4.81
20	68	20	68	45,822	17,687	0.39	3.58	45,192	17,444	0.39	3.73	44,352	17,120	0.39	3.92	43,176	16,666	0.39	4.16	41,706	16,099	0.39	4.46	39,438	15,223	0.39	4.90
22	72	16	61	40,530	28,614	0.71	3.41	39,942	28,199	0.71	3.56	39,144	27,636	0.71	3.76	38,136	26,924	0.71	4.00	36,834	26,005	0.71	4.29	34,902	24,641	0.71	4.72
22	72	18	64	43,134	25,277	0.59	3.50	42,546	24,932	0.59	3.65	41,706	24,440	0.59	3.84	40,614	23,800	0.59	4.09	39,228	22,988	0.59	4.38	37,170	21,782	0.59	4.81
22	72	20	68	45,822	21,353	0.47	3.58	45,192	21,059	0.47	3.73	44,352	20,668	0.47	3.92	43,176	20,120	0.47	4.16	41,706	19,435	0.47	4.46	39,438	18,378	0.47	4.90
24	75	16	61	40,530	31,857	0.79	3.41	39,942	31,394	0.79	3.56	39,144	30,767	0.79	3.76	38,136	29,975	0.79	4.00	36,834	28,952	0.79	4.29	34,902	27,433	0.79	4.72
24	75	18	64	43,134	28,727	0.67	3.50	42,546	28,336	0.67	3.65	41,706	27,776	0.67	3.84	40,614	27,049	0.67	4.09	39,228	26,126	0.67	4.38	37,170	24,755	0.67	4.81
24	75	20	68	45,822	25,019	0.55	3.58	45,192	24,675	0.55	3.73	44,352	24,216	0.55	3.92	43,176	23,574	0.55	4.16	41,706	22,771	0.55	4.46	39,438	21,533	0.55	4.90
24	75	22	72	48,510	20,665	0.43	3.67	47,922	20,115	0.43	3.81	46,998	20,021	0.43	4.00	45,780	19,502	0.43	4.25	44,184	18,822	0.43	4.55	41,706	17,767	0.43	5.00
26	79	16	61	40,530	35,099	0.87	3.41	39,942	34,590	0.87	3.56	39,144	33,899	0.87	3.76	38,136	33,026	0.87	4.00	36,834	31,898	0.87	4.29	34,902	30,225	0.87	4.72
26	79	18	64	43,134	32,178	0.75	3.50	42,546	31,739	0.75	3.65	41,706	31,113	0.75	3.84	40,614	30,298	0.75	4.09	39,228	29,264	0.75	4.38	37,170	27,729	0.75	4.81
26	79	20	68	45,822	28,685	0.63	3.58	45,192	28,290	0.63	3.73	44,352	27,764	0.63	3.92	43,176	27,028	0.63	4.16	41,706	26,108	0.63	4.46	39,438	24,688	0.63	4.90
26	79	22	72	48,510	24,546	0.51	3.67	47,922	24,249	0.51	3.81	46,998	23,781	0.51	4.00	45,780	23,165	0.51	4.25	44,184	22,357	0.51	4.55	41,706	21,151	0.51	5.00
27	81	16	61	40,530	36,720	0.91	3.41	39,942	36,187	0.91	3.56	39,144	35,464	0.91	3.76	38,136	34,551	0.91	4.00	36,834	33,372	0.91	4.29	34,902	31,621	0.91	4.72
27	81	18	64	43,134	33,903	0.79	3.50	42,546	33,441	0.79	3.65	41,706	32,781	0.79	3.84	40,614	31,923	0.79	4.09	39,228	30,833	0.79	4.38	37,170	29,216	0.79	4.81
28	81	20	68	45,822	30,517	0.67	3.58	45,192	30,098	0.67	3.73	44,352	29,538	0.67	3.92	43,176	28,755	0.67	4.16	41,706	27,776	0.67	4.46	39,438	26,266	0.67	4.90
28	81	22	72	48,510	26,486	0.55	3.67	47,922	26,165	0.55	3.81	46,998	25,661	0.55	4.00	45,780	24,996	0.55	4.25	44,184	24,124	0.55	4.55	41,706	22,771	0.55	5.00
28	82	16	61	40,530	38,341	0.95	3.41	39,942	37,785	0.95	3.56	39,144	37,030	0.95	3.76	38,136	36,077	0.95	4.00	36,834	34,845	0.95	4.29	34,902	33,017	0.95	4.72
28	82	18	64	43,134	35,629	0.83	3.50	42,546	35,143	0.83	3.65	41,706	34,449	0.83	3.84	40,614	33,547	0.83	4.09	39,228	32,402	0.83	4.38	37,170	30,702	0.83	4.81
28	82	20	68	45,822	32,350	0.71	3.58	45,192	31,906	0.71	3.73	44,352	31,313	0.71	3.92	43,176	30,482	0.71	4.16	41,706	29,444	0.71	4.46	39,438	27,843	0.71	4.90
28	82	22	72	48,510	28,427	0.59	3.67	47,922	28,082	0.59	3.81	46,998	27,541	0.59	4.00	45,780	26,827	0.59	4.25	44,184	25,892	0.59	4.55	41,706	24,440	0.59	5.00
30	86	16	61	40,530	40,530	1.00	3.41	39,942	39,942	1.00	3.56	39,144	39,144	1.00	3.76	38,136	38,136	1.00	4.00	36,834	36,834	1.00	4.29	34,902	34,902	1.00	4.72
30	86	18	64	43,134	39,079	0.91	3.50	42,546	38,547	0.91	3.65	41,706	37,786	0.91	3.84	40,614	36,796	0.91	4.09	39,228	35,541	0.91	4.38	37,170	33,676	0.91	4.81
30	86	20	68	45,822	36,016	0.79	3.58	45,192	35,521	0.79	3.73	44,352	34,861	0.79	3.92	43,176	33,936	0.79	4.16	41,706	32,781	0.79	4.46	39,438	30,998	0.79	4.90
30	86	22	72	48,510	32,308	0.67	3.67	47,922	31,916	0.67	3.81	46,998	31,301	0.67	4.00	45,780	30,489	0.67	4.25	44,184	29,427	0.67	4.55	41,706	27,976	0.67	5.00
32	90	16	61	40,530	40,530	1.00	3.41	39,942	39,942	1.00	3.56	39,144	39,144	1.00	3.76	38,136	38,136	1.00	4.00	36,834	36,834	1.00	4.29	34,902	34,902	1.00	4.72
32	90	18	64	43,134	42,530	0.99	3.50	42,546	41,950	0.99	3.65	41,706	41,122	0.99	3.84	40,614	40,045	0.99	4.09	39,228	38,679	0.99	4.38	37,170	36,650	0.99	4.81
32	90	20	68	45,822	39,682	0.87	3.58	45,192	39,136	0.87	3.73	44,352	38,409	0.87	3.92	43,176	37,390	0.87	4.16	41,706	36,117	0.87	4.46	39,438	34,153	0.87	4.90
32	90	22	72	48,510	36,188	0.75	3.67	47,922	35,750	0.75	3.81	46,998	35,061	0.75	4.00	45,780	34,152	0.75	4.25	44,184	32,961	0.75	4.55	41,706	31,113	0.75	5.00

3-1-2. HEATING CAPACITY

TRUZA024/30HA70NA

TRUZA036/421KA70NA

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.
TPCA0A0241KA80A	26,000	1.80	15	59	16,510	1.06	17,940	1.17	20,020	1.35	26,260	1.62	29,640	1.80	33,020	1.94
			20	68	15,860	1.15	17,160	1.26	18,980	1.46	25,350	1.75	28,600	1.94	31,850	2.09
			25	77	15,340	1.22	16,640	1.37	18,200	1.58	23,920	1.85	27,560	2.08	30,680	2.24
TPCA0A0301KA80A	32,000	2.52	15	59	20,320	1.49	22,080	1.64	24,640	1.89	32,320	2.27	36,480	2.52	40,640	2.72
			20	68	19,520	1.61	21,120	1.76	23,360	2.04	31,200	2.44	35,200	2.72	39,200	2.92
			25	77	18,880	1.71	20,480	1.92	22,400	2.22	29,440	2.60	33,920	2.91	37,760	3.14
TPCA0A0361KA80A	38,000	2.41	15	59	24,130	1.42	26,220	1.57	29,260	1.81	38,380	2.17	43,320	2.41	48,260	2.60
			20	68	23,180	1.54	25,080	1.69	27,740	1.95	37,050	2.34	41,800	2.60	46,550	2.80
			25	77	22,420	1.64	24,320	1.83	26,600	2.12	34,960	2.48	40,280	2.78	44,840	3.00
TPCA0A0421KA80A	45,000	3.48	15	59	28,575	2.05	31,050	2.26	34,650	2.61	45,450	3.13	51,300	3.48	57,150	3.76
			20	68	27,450	2.23	29,700	2.44	32,850	2.82	43,875	3.38	49,500	3.76	55,125	4.04
			25	77	26,550	2.37	28,800	2.64	31,500	3.06	41,400	3.58	47,700	4.02	53,100	4.33

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

TPCA0A0241KA80A/TRUZH0241HA10NA

CAPACITY (Btu/h): 30,000 INPUT (kW): 2.48 SHF: 0.69

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	24,098	15,085	0.63	1.22	22,667	14,189	0.63	1.39	20,853	13,054	0.63	1.51	19,135	11,979	0.63	1.64	17,418	10,903	0.63	1.72	15,700	9,828	0.63	1.81
19	68	18	64	26,340	13,328	0.51	1.34	24,909	12,604	0.51	1.51	23,095	11,686	0.51	1.64	21,378	10,817	0.51	1.76	19,660	9,948	0.51	1.85	17,942	9,079	0.51	1.93
20	68	16	61	24,098	16,049	0.67	1.22	22,667	15,096	0.67	1.39	20,853	13,888	0.67	1.51	19,135	12,744	0.67	1.64	17,418	11,600	0.67	1.72	15,700	10,456	0.67	1.81
20	68	18	64	26,340	14,382	0.55	1.34	24,909	13,600	0.55	1.51	23,095	12,610	0.55	1.64	21,378	11,672	0.55	1.76	19,660	10,734	0.55	1.85	17,942	9,796	0.55	1.93
20	68	20	68	27,485	11,709	0.43	1.42	26,340	11,221	0.43	1.55	24,813	10,570	0.43	1.70	23,000	9,798	0.43	1.84	21,187	9,026	0.43	1.93	19,660	8,375	0.43	2.02
22	72	16	61	24,098	17,977	0.75	1.22	22,667	16,909	0.75	1.39	20,853	15,557	0.75	1.51	19,135	14,275	0.75	1.64	17,418	12,994	0.75	1.72	15,700	11,712	0.75	1.81
22	72	18	64	26,340	16,489	0.63	1.34	24,909	15,593	0.63	1.51	23,095	14,458	0.63	1.64	21,378	13,382	0.63	1.76	19,660	12,307	0.63	1.85	17,942	11,232	0.63	1.93
22	72	20	68	27,485	13,908	0.51	1.42	26,340	13,328	0.51	1.55	24,813	12,556	0.51	1.70	23,000	11,638	0.51	1.84	21,187	10,720	0.51	1.93	19,660	9,948	0.51	2.02
24	75	16	61	24,098	19,905	0.83	1.22	22,667	18,723	0.83	1.39	20,853	17,225	0.83	1.51	19,135	15,806	0.83	1.64	17,418	14,387	0.83	1.72	15,700	12,968	0.83	1.81
24	75	18	64	26,340	18,596	0.71	1.34	24,909	17,586	0.71	1.51	23,095	16,305	0.71	1.64	21,378	15,093	0.71	1.76	19,660	13,880	0.71	1.85	17,942	12,667	0.71	1.93
24	75	20	68	27,485	16,106	0.59	1.42	26,340	15,435	0.59	1.55	24,813	14,541	0.59	1.70	23,000	13,478	0.59	1.84	21,187	12,415	0.59	1.93	19,660	11,521	0.59	2.02
24	75	22	72	29,012	13,520	0.47	1.48	28,058	13,075	0.47	1.64	26,340	12,275	0.47	1.78	24,622	11,474	0.47	1.92	22,905	10,674	0.47	2.01	20,996	9,784	0.47	2.07
26	79	16	61	24,098	21,833	0.91	1.22	22,667	20,536	0.91	1.39	20,853	18,893	0.91	1.51	19,135	17,337	0.91	1.64	17,418	15,780	0.91	1.72	15,700	14,224	0.91	1.81
26	79	18	64	26,340	20,703	0.79	1.34	24,909	19,578	0.79	1.51	23,095	18,153	0.79	1.64	21,378	16,803	0.79	1.76	19,660	15,453	0.79	1.85	17,942	14,102	0.79	1.93
26	79	20	68	27,485	18,305	0.67	1.42	26,340	17,543	0.67	1.55	24,813	16,526	0.67	1.70	23,000	15,318	0.67	1.84	21,187	14,110	0.67	1.93	19,660	13,093	0.67	2.02
26	79	22	72	29,012	15,841	0.55	1.48	28,058	15,320	0.55	1.64	26,340	14,382	0.55	1.78	24,622	13,444	0.55	1.92	22,905	12,506	0.55	2.01	20,996	11,464	0.55	2.07
27	81	16	61	24,098	22,797	0.95	1.22	22,667	21,443	0.95	1.39	20,853	19,727	0.95	1.51	19,135	18,102	0.95	1.64	17,418	16,477	0.95	1.72	15,700	14,852	0.95	1.81
27	81	18	64	26,340	21,757	0.83	1.34	24,909	20,575	0.83	1.51	23,095	19,077	0.83	1.64	21,378	17,658	0.83	1.76	19,660	16,239	0.83	1.85	17,942	14,820	0.83	1.93
27	81	20	68	27,485	19,405	0.71	1.42	26,340	18,596	0.71	1.55	24,813	17,518	0.71	1.70	23,000	16,238	0.71	1.84	21,187	14,958	0.71	1.93	19,660	13,880	0.71	2.02
27	81	22	72	29,012	17,001	0.59	1.48	28,058	16,442	0.59	1.64	26,340	15,435	0.59	1.78	24,622	14,429	0.59	1.92	22,905	13,422	0.59	2.01	20,996	12,304	0.59	2.07
28	82	16	61	24,098	23,761	0.99	1.22	22,667	22,349	0.99	1.39	20,853	20,561	0.99	1.51	19,135	18,868	0.99	1.64	17,418	17,174	0.99	1.72	15,700	15,480	0.99	1.81
28	82	18	64	26,340	22,811	0.87	1.34	24,909	21,571	0.87	1.51	23,095	20,001	0.87	1.64	21,378	18,513	0.87	1.76	19,660	17,025	0.87	1.85	17,942	15,538	0.87	1.93
28	82	20	68	27,485	20,504	0.75	1.42	26,340	19,650	0.75	1.55	24,813	18,511	0.75	1.70	23,000	17,158	0.75	1.84	21,187	15,805	0.75	1.93	19,660	14,666	0.75	2.02
28	82	22	72	29,012	18,162	0.63	1.48	28,058	17,564	0.63	1.64	26,340	16,489	0.63	1.78	24,622	15,414	0.63	1.92	22,905	14,338	0.63	2.01	20,996	13,143	0.63	2.07
30	86	16	61	24,098	24,098	1.00	1.22	22,667	22,667	1.00	1.39	20,853	20,853	1.00	1.51	19,135	19,135	1.00	1.64	17,418	17,418	1.00	1.72	15,700	15,700	1.00	1.81
30	86	18	64	26,340	24,918	0.95	1.34	24,909	23,564	0.95	1.51	23,095	21,848	0.95	1.64	21,378	20,223	0.95	1.76	19,660	18,598	0.95	1.85	17,942	16,973	0.95	1.93
30	86	20	68	27,485	22,703	0.83	1.42	26,340	21,757	0.83	1.55	24,813	20,496	0.83	1.70	23,000	18,998	0.83	1.84	21,187	17,500	0.83	1.93	19,660	16,239	0.83	2.02
30	86	22	72	29,012	20,483	0.71	1.48	28,058	19,809	0.71	1.64	26,340	18,596	0.71	1.78	24,622	17,383	0.71	1.92	22,905	16,171	0.71	2.01	20,996	14,823	0.71	2.07
32	90	16	61	24,098	24,098	1.00	1.22	22,667	22,667	1.00	1.39	20,853	20,853	1.00	1.51	19,135	19,135	1.00	1.64	17,418	17,418	1.00	1.72	15,700	15,700	1.00	1.81
32	90	18	64	26,340	26,340	1.00	1.34	24,909	24,909	1.00	1.51	23,095	23,095	1.00	1.64	21,378	21,378	1.00	1.76	19,660	19,660	1.00	1.85	17,942	17,942	1.00	1.93
32	90	20	68	27,485	24,902	0.91	1.42	26,340	23,864	0.91	1.55	24,813	22,481	0.91	1.70	23,000	20,838	0.91	1.84	21,187	19,195	0.91	1.93	19,660	17,812	0.91	2.02
32	90	22	72	29,012	22,804	0.79	1.48	28,058	22,054	0.79	1.64	26,340	20,703	0.79	1.78	24,622	19,353	0.79	1.92	22,905	18,003	0.79	2.01	20,996	16,503	0.79	2.07

TPCA0A0301KA80A/TRUZH0301KA00NA

CAPACITY (Btu/h): 30,000 INPUT (kW): 2.48 SHF: 0.69

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			
				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	18,419	0.59	2.11	29,565	17,325	0.59	2.40	27,200	15,939	0.59	2.62	24,959	14,626	0.59	2.84
19	68	18	64	34,357	16,010	0.47	2.33	32,490	15,140	0.47	2.62	30,124	14,038	0.47	2.84	27,884	12,994	0.47	3.06
20	68	16	61	31,432	19,677	0.63	2.11	29,565	18,508	0.63	2.40	27,200	17,027	0.63	2.62	24,959	15,625	0.63	2.84
20	68	18	64	34,357	17,385	0.51	2.33	32,490	16,440	0.51	2.62	30,124	15,243	0.51	2.84	27,884	14,109	0.51	3.06
20	68	20	68	35,851	13,838	0.39	2.46	34,357	13,262	0.39	2.68	32,365	12,493	0.39	2.94	30,000	11,580	0.39	3.19
22	72	16	61	31,432	22,191	0.71	2.11	29,565	20,873	0.71	2.40	27,200	19,203	0.71	2.62	24,959	17,621	0.71	2.84
22	72	18	64	34,357	20,133	0.59	2.33	32,490	19,039	0.59	2.62	30,124	17,653	0.59	2.84	27,884	16,340	0.59	3.06
22	72	20	68	35,851	16,706	0.47	2.46	34,357	16,010	0.47	2.68	32,365	15,082	0.47	2.94	30,000	13,980	0.47	3.19
24	75	16	61	31,432	24,706	0.79	2.11	29,565	23,238	0.79	2.40	27,200	21,379	0.79	2.62	24,959	19,618	0.79	2.84
24	75	18	64	34,357	22,882	0.67	2.33	32,490	21,638	0.67	2.62	30,124	20,063	0.67	2.84	27,884	18,571	0.67	3.06
24	75	20	68	35,851	19,574	0.55	2.46	34,357	18,759	0.55	2.68	32,365	17,671	0.55	2.94	30,000	16,380	0.55	3.19
24	75	22	72	37,842	16,121	0.43	2.56	36,598	15,591	0.43	2.84	34,357	14,636	0.43	3.09	32,116	13,681	0.43	3.32
26	79	16	61	31,432	27,220	0.87	2.11	29,565	25,603	0.87	2.40	27,200	23,555	0.87	2.62	24,959	21,615	0.87	2.84
26	79	18	64	34,357	25,630	0.75	2.33	32,490	24,237	0.75	2.62	30,124	22,473	0.75	2.84	27,884	20,801	0.75	3.06
26	79	20	68	35,851	22,442	0.63	2.46	34,357	21,507	0.63	2.68	32,365	20,261	0.63	2.94	30,000	18,780	0.63	3.19
26	79	22	72	37,842	19,148	0.51	2.56	36,598	18,518	0.51	2.84	34,357	17,385	0.51	3.09	32,116	16,251	0.51	3.32
27	81	16	61	31,432	28,478	0.91	2.11	29,565	26,786	0.91	2.40	27,200	24,643	0.91	2.62	24,959	22,613	0.91	2.84
27	81	18	64	34,357	27,004	0.79	2.33	32,490	25,537	0.79	2.62	30,124	23,678	0.79	2.84	27,884	21,917	0.79	3.06
27	81	20	68	35,851	23,877	0.67	2.46	34,357	22,882	0.67	2.68	32,365	21,555	0.67	2.94	30,000	19,980	0.67	3.19
27	81	22	72	37,842	20,662	0.55	2.56	36,598	19,982	0.55	2.84	34,357	18,759	0.55	3.09	32,116	17,535	0.55	3.32
28	82	16	61	31,432	29,735	0.95	2.11	29,565	27,969	0.95	2.40	27,200	25,731	0.95	2.62	24,959	23,612	0.95	2.84
28	82	18	64	34,357	28,379	0.83	2.33	32,490	26,836	0.83	2.62	30,124	24,883	0.83	2.84	27,884	23,032	0.83	3.06
28	82	20	68	35,851	25,311	0.71	2.46	34,357	24,256	0.71	2.68	32,365	22,850	0.71	2.94	30,000	21,180	0.71	3.19
28	82	22	72	37,842	22,176	0.59	2.56	36,598	21,446	0.59	2.84	34,357	20,133	0.59	3.09	32,116	18,820	0.59	3.32
30	86	16	61	31,432	31,432	1.00	2.11	29,565	29,565	1.00	2.40	27,200	27,200	1.00	2.62	24,959	24,959	1.00	2.84
30	86	18	64	34,357	31,127	0.91	2.33	32,490	29,436	0.91	2.62	30,124	27,293	0.91	2.84	27,884	25,263	0.91	3.06
30	86	20	68	35,851	28,179	0.79	2.46	34,357	27,004	0.79	2.68	32,365	25,439	0.79	2.94	30,000	23,580	0.79	3.19
30	86	22	72	37,842	25,203	0.67	2.56	36,598	24,374	0.67	2.84	34,357	22,882	0.67	3.09	32,116	21,389	0.67	3.32
32	90	16	61	31,432	31,432	1.00	2.11	29,565	29,565	1.00	2.40	27,200	27,200	1.00	2.62	24,959	24,959	1.00	2.84
32	90	18	64	34,357	33,876	0.99	2.33	32,490	32,035	0.99	2.62	30,124	29,703	0.99	2.84	27,884	27,493	0.99	3.06
32	90	20	68	35,851	31,047	0.87	2.46	34,357	29,753	0.87	2.68	32,365	28,028	0.87	2.94	30,000	25,980	0.87	3.19
32	90	22	72	37,842	28,230	0.75	2.56	36,598	27,302	0.75	2.84	34,357	25,630	0.75	3.09	32,116	23,959	0.75	3.32

TPCA0A0361KA80A/TRUZH0361KA00NA

CAPACITY (Btu/h): 34,000 INPUT (kW): 2.81 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			
				CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
19	68	16	61	35,623	22,656	0.64	1.79	33,507	21,311	0.64	2.03	30,827	19,606	0.64	2.22	28,287	17,991	0.64	2.41
19	68	18	64	38,938	20,092	0.52	1.97	36,822	19,000	0.52	2.22	34,141	17,617	0.52	2.40	31,602	16,306	0.52	2.59
20	68	16	61	35,623	24,081	0.68	1.79	33,507	22,651	0.68	2.03	30,827	20,839	0.68	2.22	28,287	19,122	0.68	2.41
20	68	18	64	38,938	21,649	0.56	1.97	36,822	20,473	0.56	2.22	34,141	18,982	0.56	2.40	31,602	17,571	0.56	2.59
20	68	20	68	40,631	17,715	0.44	2.08	38,938	16,977	0.44	2.27	36,680	15,993	0.44	2.49	34,000	14,824	0.44	2.70
22	72	16	61	35,623	26,931	0.76	1.79	33,507	25,331	0.76	2.03	30,827	23,305	0.76	2.22	28,287	21,385	0.76	2.41
22	72	18	64	38,938	24,764	0.64	1.97	36,822	23,419	0.64	2.22	34,141	21,714	0.64	2.40	31,602	20,099	0.64	2.59
22	72	20	68	40,631	20,965	0.52	2.08	38,938	20,092	0.52	2.27	36,680	18,927	0.52	2.49	34,000	17,544	0.52	2.70
24	75	16	61	35,623	29,781	0.84	1.79	33,507	28,012	0.84	2.03	30,827	25,771	0.84	2.22	28,287	23,648	0.84	2.41
24	75	18	64	38,938	27,879	0.72	1.97	36,822	26,364	0.72	2.22	34,141	24,445	0.72	2.40	31,602	22,627	0.72	2.59
24	75	20	68	40,631	24,216	0.60	2.08	38,938	23,207	0.60	2.27	36,680	21,862	0.60	2.49	34,000	20,264	0.60	2.70
24	75	22	72	42,888	20,415	0.48	2.17	41,477	19,743	0.48	2.40	38,938	18,534	0.48	2.61	36,398	17,326	0.48	2.81
26	79	16	61	35,623	32,631	0.92	1.79	33,507	30,693	0.92	2.03	30,827	28,237	0.92	2.22	28,287	25,911	0.92	2.41
26	79	18	64	38,938	30,994	0.80	1.97	36,822	29,310	0.80	2.22	34,141	27,176	0.80	2.40	31,602	25,155	0.80	2.59
26	79	20	68	40,631	27,466	0.68	2.08	38,938	26,322	0.68	2.27	36,680	24,796	0.68	2.49	34,000	22,984	0.68	2.70
26	79	22	72	42,888	23,846	0.56	2.17	41,477	23,061	0.56	2.40	38,938	21,649	0.56	2.61	36,398	20,237	0.56	2.81
27	81	16	61	35,623	34,056	0.96	1.79	33,507	32,033	0.96	2.03	30,827	29,470	0.96	2.22	28,287	27,043	0.96	2.41
27	81	18	64	38,938	32,552	0.84	1.97	36,822	30,783	0.84	2.22	34,141	28,542	0.84	2.40	31,602	26,419	0.84	2.59
27	81	20	68	40,631	29,092	0.72	2.08	38,938	27,879	0.72	2.27	36,680	26,263	0.72	2.49	34,000	24,344	0.72	2.70
27	81	22	72	42,888	25,561	0.60	2.17	41,477	24,720	0.60	2.40	38,938	23,207	0.60	2.61	36,398	21,693	0.60	2.81
28	82	16	61	35,623	35,481	1.00	1.79	33,507	33,373	1.00	2.03	30,827	30,703	1.00	2.22	28,287	28,174	1.00	2.41
28	82	18	64	38,938	34,109	0.88	1.97	36,822	32,256	0.88	2.22	34,141	29,908	0.88	2.40	31,602	27,683	0.88	2.59
28	82	20	68	40,631	30,717	0.76	2.08	38,938	29,437	0.76	2.27	36,680	27,730	0.76	2.49	34,000	25,704	0.76	2.70
28	82	22	72	42,888	27,277	0.64	2.17	41,477	26,379	0.64	2.40	38,938	24,764	0.64	2.61	36,398	23,149	0.64	2.81



TPCA0A0421KA80A/TRUZH0421KA10NA

CAPACITY (Btu/h): 42,000 INPUT (kW): 4.20 SHF: 0.69

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			
				CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
19	68	16	61	44,005	27,107	0.62	2.68	41,391	25,497	0.62	3.05	38,080	23,457	0.62	3.33	34,943	21,525	0.62	3.61
19	68	18	64	48,100	23,857	0.50	2.96	45,485	22,561	0.50	3.33	42,174	20,918	0.50	3.61	39,037	19,363	0.50	3.88
20	68	16	61	44,005	28,867	0.66	2.68	41,391	27,153	0.66	3.05	38,080	24,980	0.66	3.33	34,943	22,923	0.66	3.61
20	68	18	64	48,100	25,781	0.54	2.96	45,485	24,380	0.54	3.33	42,174	22,605	0.54	3.61	39,037	20,924	0.54	3.88
20	68	20	68	50,191	20,879	0.42	3.13	48,100	20,009	0.42	3.40	45,311	18,849	0.42	3.74	42,000	17,472	0.42	4.05
22	72	16	61	44,005	32,388	0.74	2.68	41,391	30,464	0.74	3.05	38,080	28,027	0.74	3.33	34,943	25,718	0.74	3.61
22	72	18	64	48,100	29,629	0.62	2.96	45,485	28,019	0.62	3.33	42,174	25,979	0.62	3.61	39,037	24,047	0.62	3.88
22	72	20	68	50,191	24,895	0.50	3.13	48,100	23,857	0.50	3.40	45,311	22,474	0.50	3.74	42,000	20,832	0.50	4.05
24	75	16	61	44,005	35,908	0.82	2.68	41,391	33,775	0.82	3.05	38,080	31,073	0.82	3.33	34,943	28,514	0.82	3.61
24	75	18	64	48,100	33,477	0.70	2.96	45,485	31,658	0.70	3.33	42,174	29,353	0.70	3.61	39,037	27,170	0.70	3.88
24	75	20	68	50,191	28,910	0.58	3.13	48,100	27,705	0.58	3.40	45,311	26,099	0.58	3.74	42,000	24,192	0.58	4.05
24	75	22	72	52,979	24,159	0.46	3.25	51,237	23,364	0.46	3.61	48,100	21,933	0.46	3.92	44,963	20,503	0.46	4.22
26	79	16	61	44,005	39,429	0.90	2.68	41,391	37,087	0.90	3.05	38,080	34,120	0.90	3.33	34,943	31,309	0.90	3.61
26	79	18	64	48,100	37,325	0.78	2.96	45,485	35,297	0.78	3.33	42,174	32,727	0.78	3.61	39,037	30,293	0.78	3.88
26	79	20	68	50,191	32,925	0.66	3.13	48,100	31,553	0.66	3.40	45,311	29,724	0.66	3.74	42,000	27,552	0.66	4.05
26	79	22	72	52,979	28,397	0.54	3.25	51,237	27,463	0.54	3.61	48,100	25,781	0.54	3.92	44,963	24,100	0.54	4.22
27	81	16	61	44,005	41,189	0.94	2.68	41,391	38,742	0.94	3.05	38,080	35,643	0.94	3.33	34,943	32,707	0.94	3.61
27	81	18	64	48,100	39,249	0.82	2.96	45,485	37,116	0.82	3.33	42,174	34,414	0.82	3.61	39,037	31,854	0.82	3.88
27	81	20	68	50,191	34,933	0.70	3.13	48,100	33,477	0.70	3.40	45,311	31,537	0.70	3.74	42,000	29,232	0.70	4.05
27	81	22	72	52,979	30,516	0.58	3.25	51,237	29,512	0.58	3.61	48,100	27,705	0.58	3.92	44,963	25,898	0.58	4.22
28	82	16	61	44,005	42,949	0.98	2.68	41,391	40,398	0.98	3.05	38,080	37,166	0.98	3.33	34,943	34,104	0.98	3.61
28	82	18	64	48,100	41,173	0.86	2.96	45,485	38,936	0.86	3.33	42,174	36,101	0.86	3.61	39,037	33,416	0.86	3.88
28	82	20	68	50,191	36,940	0.74	3.13	48,100	35,401	0.74	3.40	45,311	33,349	0.74	3.74	42,000	30,912	0.74	4.05
28	82	22	72	52,979	32,635	0.62	3.25	51,237	31,562	0.62	3.61	48,100	29,629	0.62	3.92	44,963	27,697	0.62	4.22
30	86	16	61	44,005	44,005	1.00	2.68	41,391	41,391	1.00	3.05	38,080	38,080	1.00	3.33	34,943	34,943	1.00	3.61
30	86	18	64	48,100	45,021	0.94	2.96	45,485	42,574	0.94	3.33	42,174	39,475	0.94	3.61	39,037	36,539	0.94	3.88
30	86	20	68	50,191	40,956	0.82	3.13	48,100	39,249	0.82	3.40	45,311	36,974	0.82	3.74	42,000	34,272	0.82	4.05
30	86	22	72	52,979	36,874	0.70	3.25	51,237	35,661	0.70	3.61	48,100	33,477	0.70	3.92	44,963	31,294	0.70	4.22
32	90	16	61	44,005	44,005	1.00	2.68	41,391	41,391	1.00	3.05	38,080	38,080	1.00	3.33	34,943	34,943	1.00	3.61
32	90	18	64	48,100	48,100	1.00	2.96	45,485	45,485	1.00	3.33	42,174	42,174	1.00	3.61	39,037	39,037	1.00	3.88
32	90	20	68	50,191	44,971	0.90	3.13	48,100	43,097	0.90	3.40	45,311	40,599	0.90	3.74	42,000	37,632	0.90	4.05
32	90	22	72	52,979	41,112	0.78	3.25	51,237	39,760	0.78	3.61	48,100	37,325	0.78	3.92	44,963	34,891	0.78	4.22

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 D.B.(°C)	Indoor intake air D.B.(°F)	Outdoor intake air WB C / F											
					-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.
TPCA0A0241KA80A	26,000	2.05	15	59	16,763	1.36	20,415	1.61	22,252	1.73	25,946	1.94	29,661	2.09	33,395	2.20
			20	68	15,853	1.47	19,542	1.72	21,398	1.83	25,104	2.01	28,771	2.16	32,356	2.26
			25	77	14,306	1.57	18,155	1.82	20,069	1.93	23,847	2.11	27,518	2.24	31,035	2.33
TPCA0A0301KA80A	32,000	2.93	15	59	20,632	1.94	25,126	2.31	27,387	2.47	31,933	2.77	36,506	2.99	41,101	3.14
			20	68	19,511	2.10	24,052	2.46	26,336	2.61	30,898	2.88	35,411	3.08	39,823	3.22
			25	77	17,607	2.24	22,345	2.60	24,701	2.75	29,350	3.01	33,868	3.21	38,197	3.34
TPCA0A0361KA80A	38,000	3.36	15	59	24,500	2.22	29,837	2.64	32,522	2.84	37,921	3.17	43,351	3.43	48,808	3.60
			20	68	23,169	2.41	28,562	2.82	31,273	3.00	36,691	3.30	42,050	3.54	47,290	3.70
			25	77	20,908	2.57	26,534	2.98	29,332	3.16	34,853	3.46	40,219	3.68	45,359	3.82
TPCA0A0421KA80A	48,000	4.76	15	59	30,948	3.15	37,689	3.75	41,081	4.02	47,900	4.49	54,759	4.86	61,652	5.10
			20	68	29,266	3.41	36,078	4.00	39,503	4.25	46,347	4.68	53,116	5.01	59,735	5.24
			25	77	26,411	3.64	33,517	4.22	37,051	4.48	44,025	4.90	50,802	5.21	57,296	5.42

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

		TPCA0A0241KA80A	TPCA0A0301KA80A	TPCA0A0361KA80A	TPCA0A0421KA80A
Airflow	CFM	670	705	990	1025
Air speed	ft/sec.(m/sec.)	10.2(3.1)	10.5(3.2)	11.8(3.6)	12.1(3.7)
Coverage range	ft(m)	32(9.6)	33(10.1)	41(12.5)	42(12.9)

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.

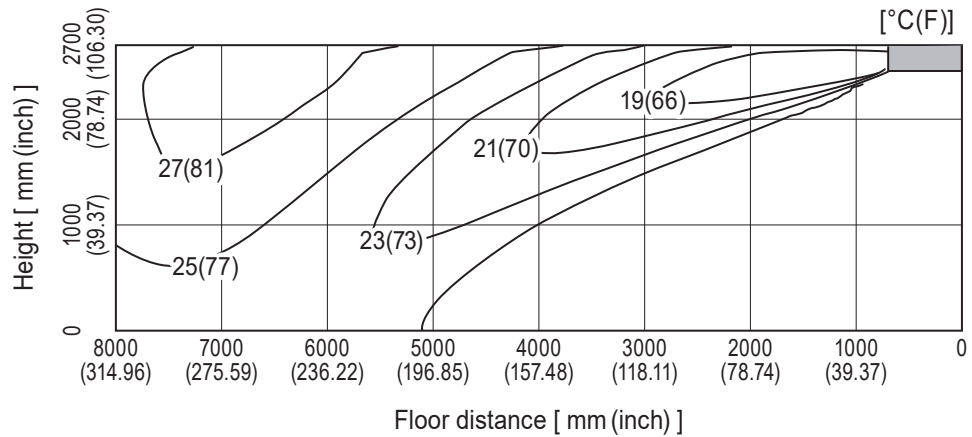
4-2. TEMPERATURE AND AIRFLOW DISTRIBUTIONS

TPCA0A0241KA80A

Temperature distribution

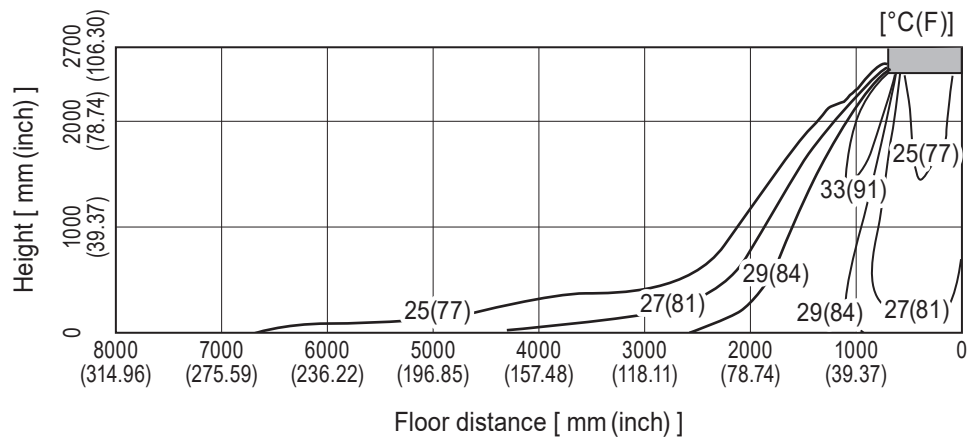
<Cooling mode>

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



<Heating mode>

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



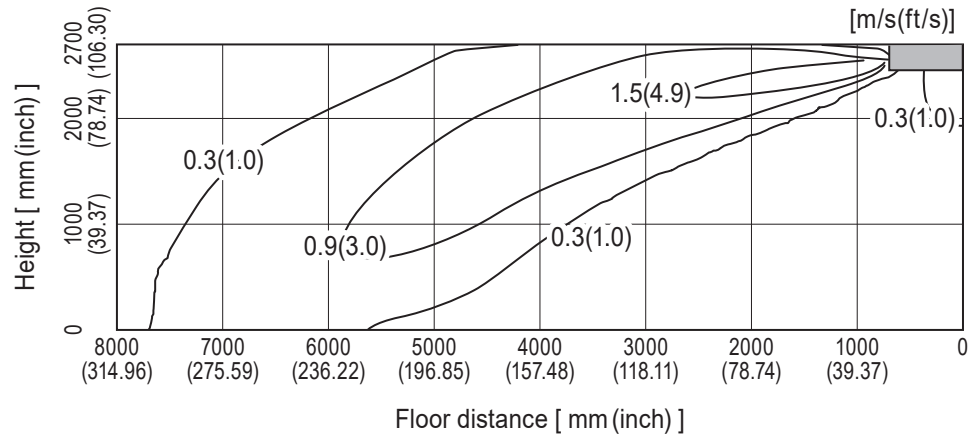
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Airflow distribution

<Cooling mode>

Air volume: high

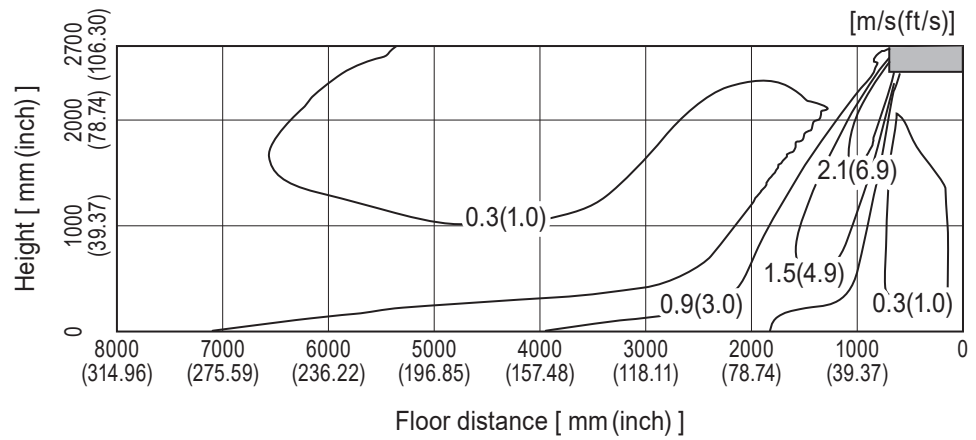
Air direction: auto (upward airflow)



<Heating mode>

Air volume: high

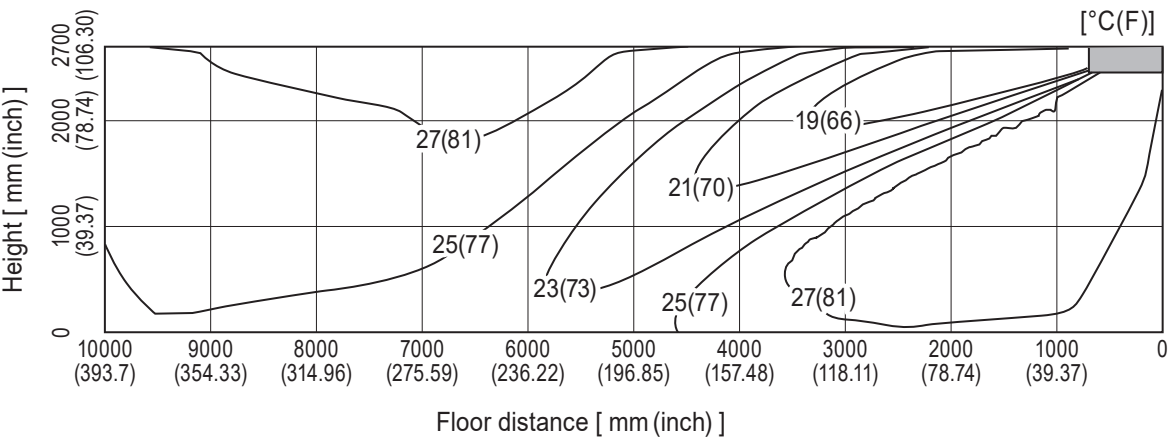
Air direction: auto (downward airflow)



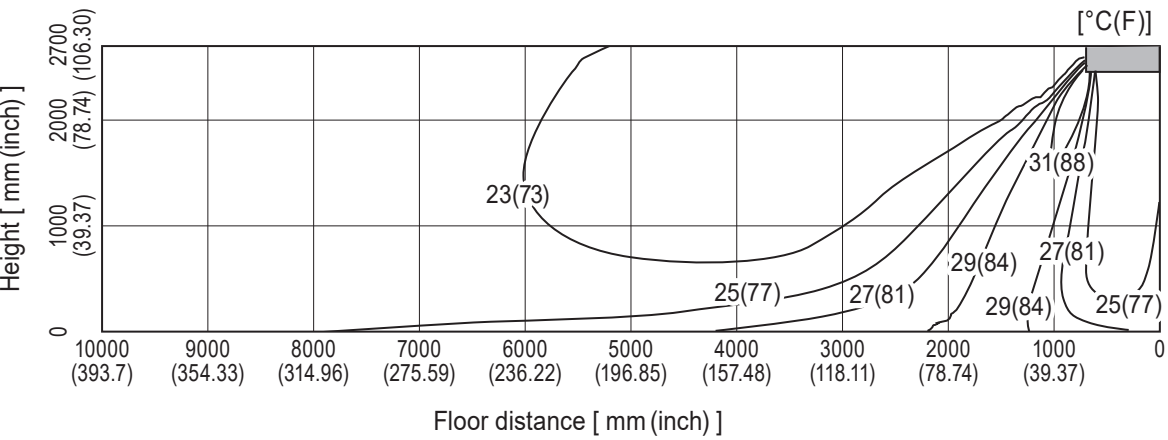
TPCA0A0301KA80A

Temperature distribution

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



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



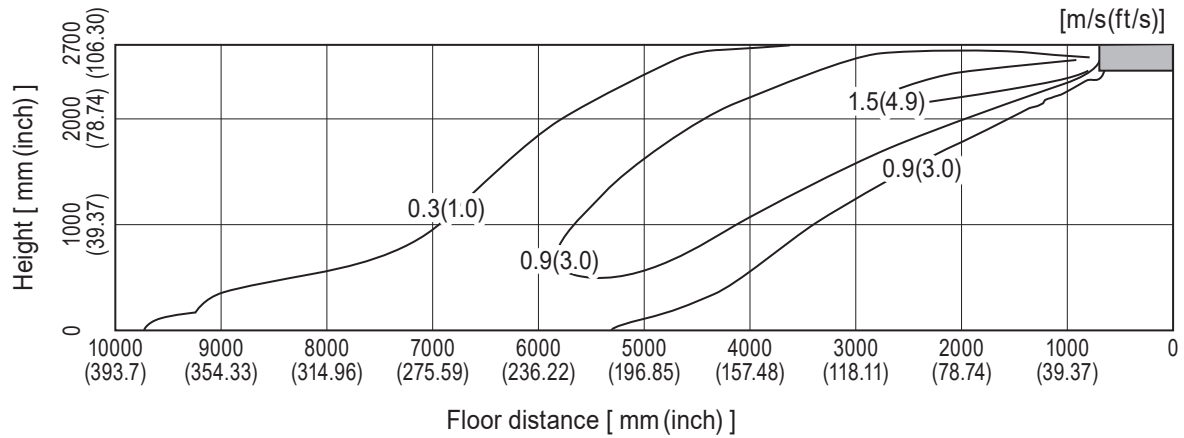
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Airflow distribution

<Cooling mode>

Air volume: high

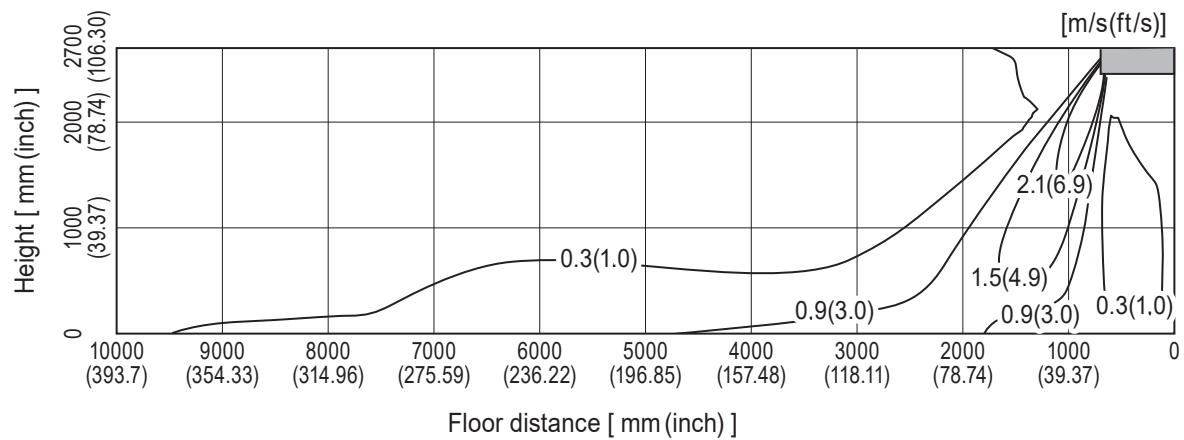
Air direction: auto (upward airflow)



<Heating mode>

Air volume: high

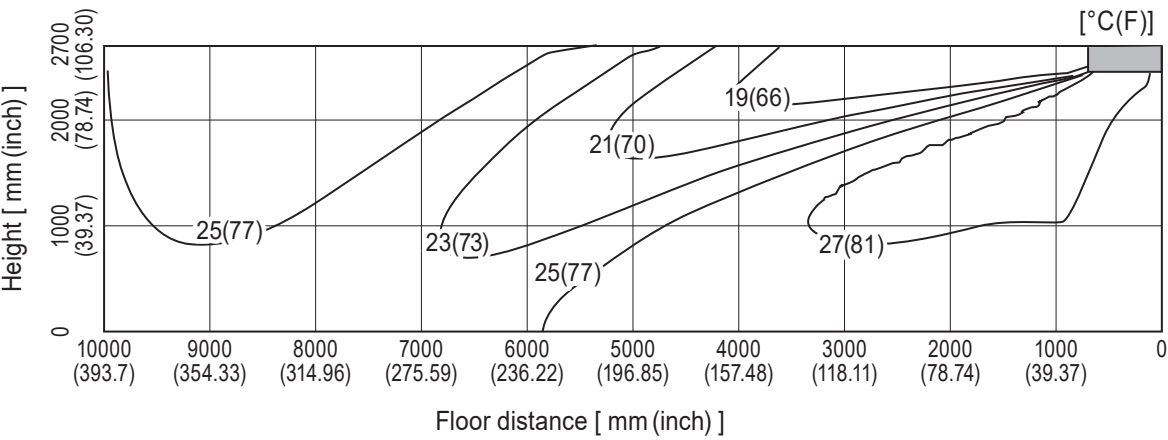
Air direction: auto (downward airflow)



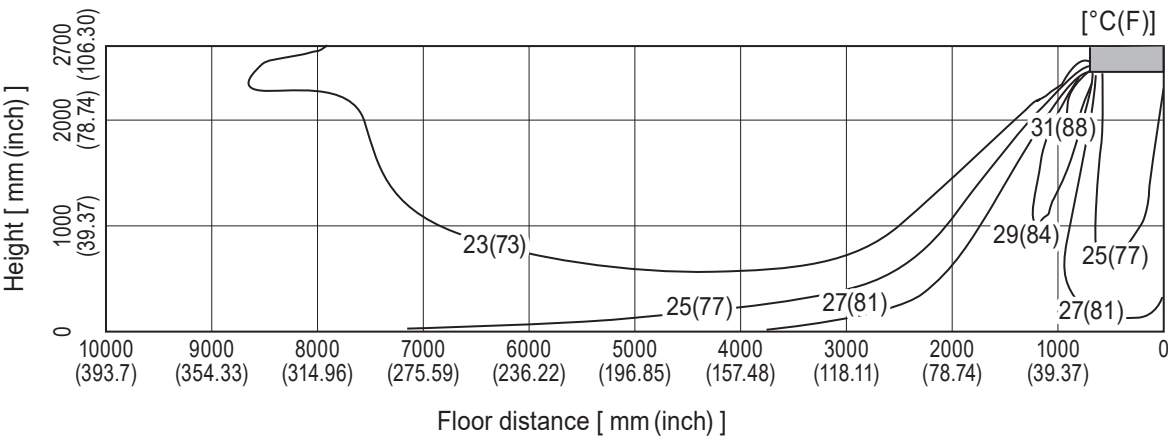
TPCA0A0361KA80A

Temperature distribution

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



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



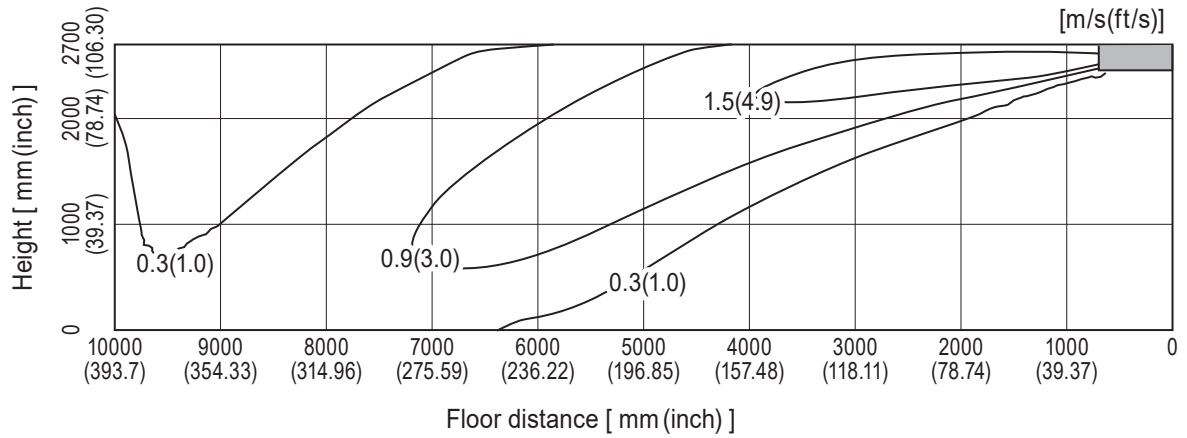
TPCA0A0361KA80A

Airflow distribution

<Cooling mode>

Air volume: high

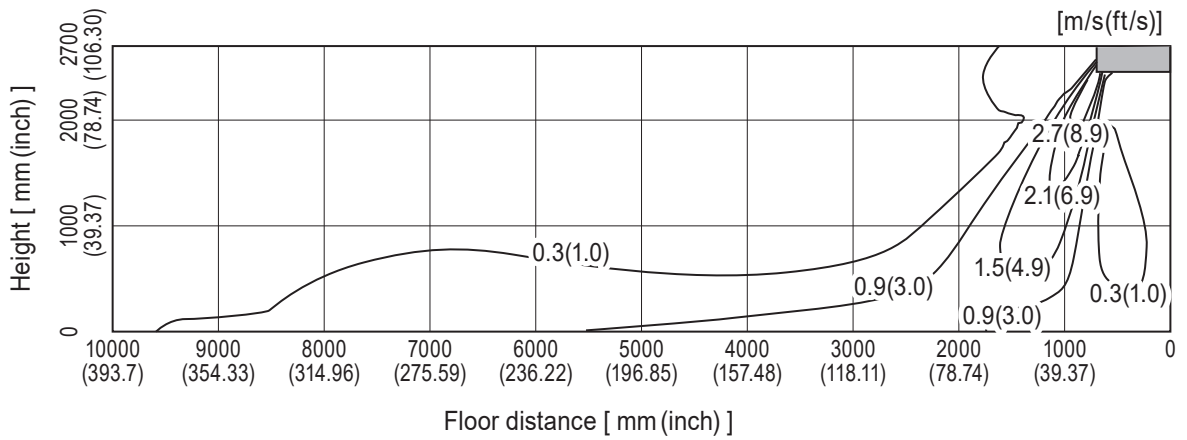
Air direction: auto (upward airflow)



<Heating mode>

Air volume: high

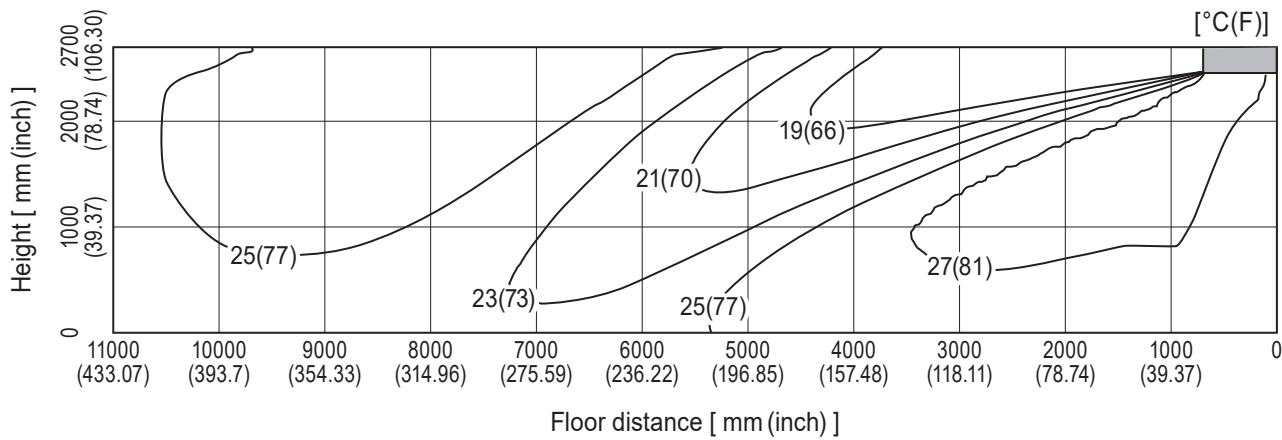
Air direction: auto (downward airflow)



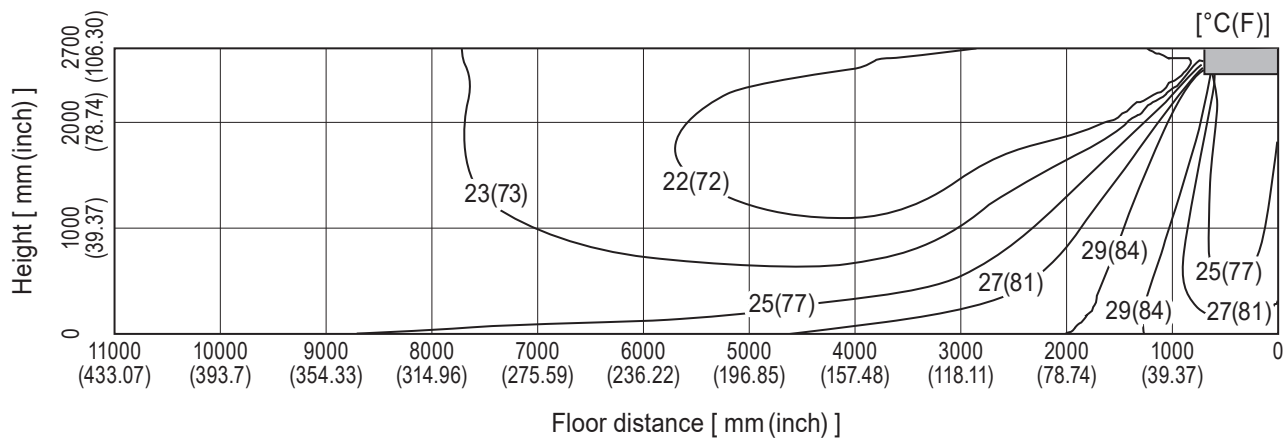
TPCA0A0421KA80A

Temperature distribution

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



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



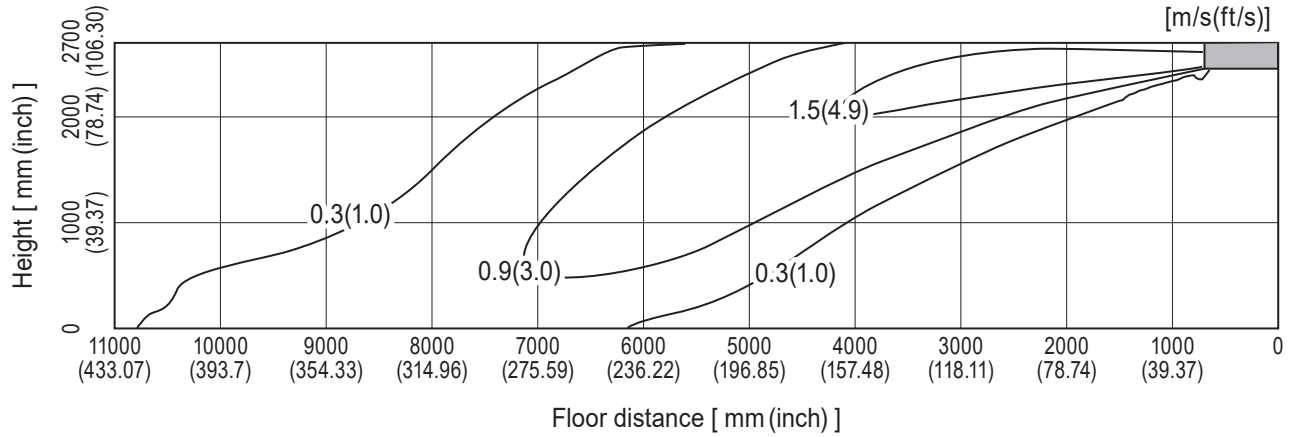
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Airflow distribution

<Cooling mode>

Air volume: high

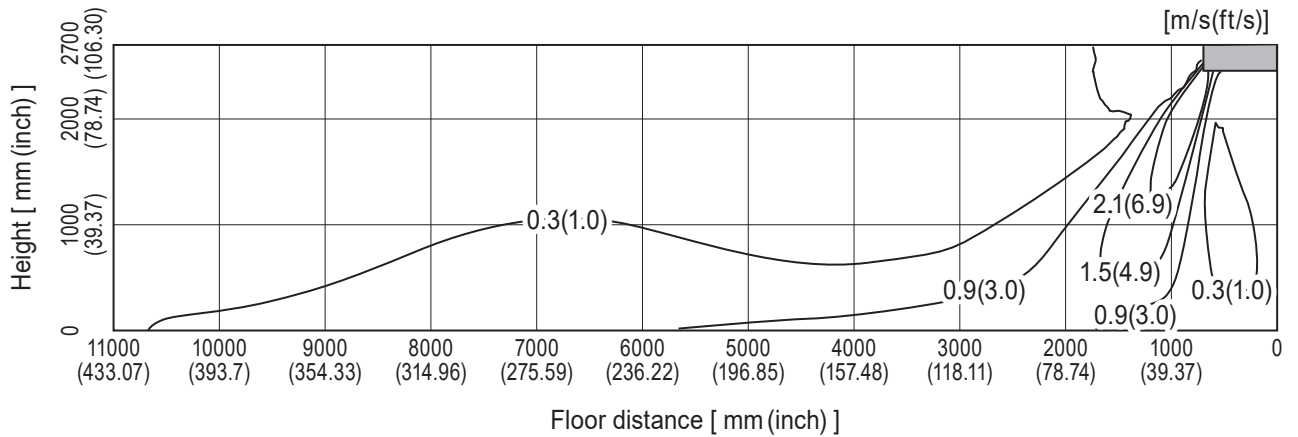
Air direction: auto (upward airflow)



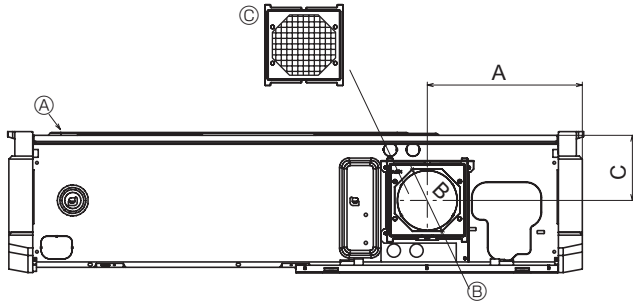
<Heating mode>

Air volume: high

Air direction: auto (downward airflow)



4-3. FRESH AIR INTAKE AMOUNT & STATIC PRESSURE CHARACTERISTICS



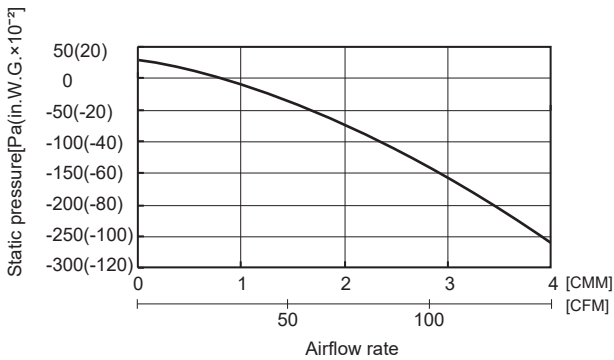
Fresh air intake hole

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

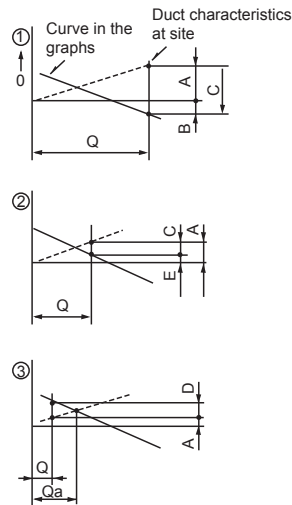
- ① Indoor unit
- ② Fresh air intake hole (knock out hole)
- ③ Filter

in. (mm)		
A	B	C
10-3/16 (259.5)	ø 3-15/16 (ø 100)	4-5/16 (109)

TPCA0A024/301KA80A

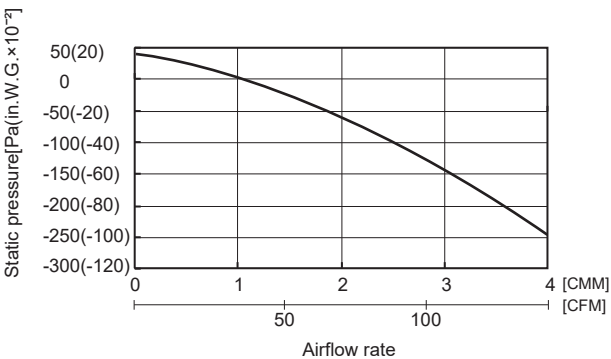


How to read curves



- 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.x10⁻²)>
- B...Forced static pressure at air conditioner inlet with airflow amount Q <Pa(in.W.G.x10⁻²)>
- C...Static pressure of booster fan with airflow amount Q <Pa(in.W.G.x10⁻²)>
- D...Static pressure loss increase amount of fresh air intake duct system for airflow amount Q <Pa(in.W.G.x10⁻²)>
- E...Static pressure of indoor unit with airflow amount Q <Pa(in.W.G.x10⁻²)>
- Qa...Estimated amount of fresh air intake without D <CMM(CFM)>

TPCA0A036/421KA80A



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