

October 2019

TECHNICAL DATA

No. OCDT637

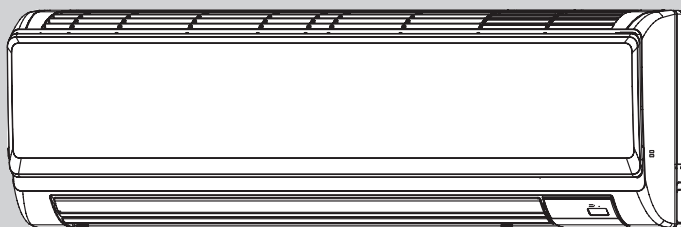
Wall Mounted

R410A

Indoor unit
[Model Name]

TPKA0A0121HA70A

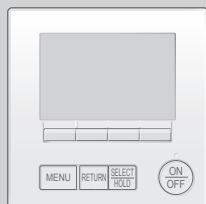
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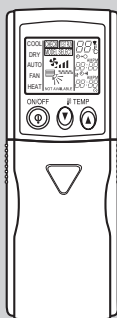
INDOOR UNIT

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**WIRED REMOTE
CONTROLLER**
(Option)



**IR WIRELESS REMOTE
CONTROLLER** (Option)

1-1. INVERTER

Model name	Indoor unit		TPKA0A0121HA70A	TPKA0A0181HA70A
	Outdoor unit		TRUYA0121KA70NA	TRUYA0181KA70NA
			TRUYA0121KA70BA	TRUYA0181KA70BA
Cooling	Max. Capacity	Btu/h	12,000	18,000
	Rated Capacity	Btu/h	12,000	18,000
	Min. Capacity	Btu/h	5,800	8,000
	Total Input	W	1,000	1,820
	EER	Btu/h/W	12.0	9.9
	SEER	Btu/h/W	20.8	18.5
	Moisture Removal	Pints/h	2.0	5.2
	SHF		0.81	0.68
	Power factor	%	94.5	95.3
Heating	Max. Capacity	Btu/h	-	-
	Rated Capacity	Btu/h	-	-
	Min. Capacity	Btu/h	-	-
	Total Input	W	-	-
	COP	W/W	-	-
	HSPF(IV/V)	Btu/h/W	-	-
	Power factor	%	-	-
Heating at low ambient	Rated Capacity	Btu/h	-	-
	Total Input	W	-	-
	COP	W/W	-	-
Power supply	Phase,Cycle,Voltage		1phase, 60Hz, 208/230V	
	Breaker size	A	15	
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	0.33	
	Fan Motor Output	W	30	
	Air flow DRY	CMM	9-10.5-12	
	(Lo-Mid-Hi) WET	CMM	8-9.5-11	
	Air flow DRY	CFM	320-370-425	
	(Lo-Mid-Hi) WET	CFM	290-335-380	
	External pressure	in.WG[Pa]	0	
	Sound level (Lo-Mid-Hi)	dB(A)	36-40-43	
	External finish		White Munsell 1.0Y 9.2/0.2	
	Dimension	W:mm[inch]	898[35-3/8]	
	Unit (Panel)	D:mm[inch]	249[9-13/16]	
		H:mm[inch]	295[11-5/8]	
	Weight Unit	kg	13	
		lbs	29	
	Field Drain pipe size	mm[inch]	16[5/8]	
Remote controller			Attached in indoor unit	
Outdoor unit	MCA	A	11	
	MOCP	A	28	
	Fan Motor	F.L.A	0.5	
	Fan Motor Output	W	46	
	Compressor	Type	SNB092FNCM	SNB130FNCM2
		R.L.A	7	
		L.R.A	12	
	Air flow	CMM[CFM]	45[1,590]	
	Refrigerant Control		Electronic Expansion Valve	
	Defrost Method		-	
	Sound level at cooling	dB(A)	44	
	Sound level at heating	dB(A)	-	
	External finish		Ivory Munsell 3Y 7.8/1.1	
	Dimension	W:mm[inch]	809+62 [31-13/16 + 7/16]	
		D:mm[inch]	300 [11-3/16]	
		H:mm[inch]	630 [24-13/16]	
	Weight	kg[lbs]	41[92]	44[99]
	Type		R410A	
	Charge	kg[lbs,oz]	2.0 [4 lbs 7 oz]	2.2 [4 lbs 14 oz]
	Oil	L[oz]	0.35 (FV50S) [12]	0.50 (FV50S) [16]
Refrigerant pipe size	Gas side O.D.	mm[inch]	12.7[1/2]	
	Liquid side O.D.	mm[inch]	6.35[1/4]	
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)

Operating range

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

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

Model name	Indoor unit		TPKA0A0121HA70A	TPKA0A0181HA70A
	Outdoor unit		TRUZA0121KA70NA	TRUZA0181KA70NA
			TRUZA0121KA70BA	TRUZA0181KA70BA
Cooling	Max. Capacity	Btu/h	12,000	18,000
	Rated Capacity	Btu/h	12,000	18,000
	Min. Capacity	Btu/h	5,800	8,000
	Total Input	W	1,000	1,820
	EER	Btu/h/W	12.0	9.9
	SEER	Btu/h/W	20.8	18.5
	Moisture Removal	Pints/h	2.0	5.2
	SHF		0.81	0.68
	Power factor	%	94.5	95.3
Heating	Max. Capacity	Btu/h	18,000	22,000
	Rated Capacity	Btu/h	14,000	19,000
	Min. Capacity	Btu/h	5,500	7,700
	Total Input	W	950	1,300
	COP	W/W	4.31	4.28
	HSPF(I/V)	Btu/h/W	10.2/7.6	10.2/7.5
	Power factor	%	93.9	94.2
Heating at low ambient	Rated Capacity	Btu/h	9,200	11,300
	Total Input	W	1,020	1,340
	COP	W/W	2.64	2.47
Power supply	Phase, Cycle, Voltage		1phase, 60Hz, 208/230V	
	Breaker size	A	15	
Voltage	Indoor - Outdoor S1-S2		AC208V / 230V	
	Indoor - Outdoor S2-S3		DC24V	
	Indoor - Remote controller		DC12V	
Indoor unit	MCA	A	1	
	MOC	A	15	
	Fan Motor	F.L.A	0.33	
	Fan Motor Output	W	30	
	Air flow DRY	CMM	9-10.5-12	
	(Lo-Mid-Hi) WET	CMM	8-9.5-11	
	Air flow DRY	CFM	320-370-425	
	(Lo-Mid-Hi) WET	CFM	290-335-380	
	External pressure	in.WG[Pa]	0	
	Sound level (Lo-Mid-Hi)	dB(A)	36-40-43	
	External finish		White Munsell 1.0Y 9.2/0.2	
	Dimension	W:mm[inch]	898[35-3/8]	
	Unit (Panel)	D:mm[inch]	249[9-13/16]	
		H:mm[inch]	295[11-5/8]	
	Weight Unit	kg	13	
Remote controller		lbs	29	
	Field Drain pipe size	mm[inch]	16[5/8]	
			Attached in indoor unit	
	MCA	A	11	
	MOC	A	28	
	Fan Motor	F.L.A	0.5	
	Fan Motor Output	W	46	
	Compressor	Type	SNB092FNCM	SNB130FNCM2
		R.L.A	7	
		L.R.A	12	
	Air flow	CMM[CFM]	45[1,590]	
	Refrigerant Control		Electronic Expansion Valve	
	Defrost Method		Reverse Cycle	
	Sound level at cooling	dB(A)	44	
	Sound level at heating	dB(A)	46	
Outdoor unit	External finish		Ivory Munsell 3Y 7.8/1.1	
	Dimension	W:mm[inch]	809+62 [31-13/16 + 7/16]	
		D:mm[inch]	300 [11-3/16]	
		H:mm[inch]	630 [24-13/16]	
	Weight	kg[lbs]	42 [93]	45[100]
	Type		R410A	
	Charge	kg[lbs,oz]	2.0 [4 lbs 7 oz]	2.2 [4 lbs 14 oz]
	Oil	L[oz]	0.35 (FV50S) [12]	0.50 (FV50S) [16]
	Refrigerant pipe size	Gas side O.D. mm[inch]	12.7[1/2F]	
		Liquid side O.D. mm[inch]	6.35[1/4F]	
Refrigerant pipe length	Height difference		Max. 30m [Max.100ft]	
	Length		Max. 30m [Max.100ft]	
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)

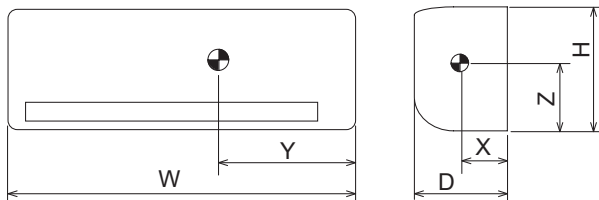
Operating range (For TPKA0A0121/0181 model)

		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)		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. -11°C(12°F), W.B. -12°C(10°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
TPKA0A0121HA70A	35-3/8 (898)	9-13/16 (249)	11-5/8 (295)	4-3/4 (120)	15-3/8 (390)	6-5/16 (160)
TPKA0A0181HA70A	35-3/8 (898)	9-13/16 (249)	11-5/8 (295)	4-3/4 (120)	15-3/8 (390)	6-5/16 (160)

3-1. INVERTER

3-1-1. COOLING CAPACITY

TPKA0A0121HA70A/TRUYA0121KA70, TRUZA0121KA70

CAPACITY (Btu/h): 12,000 INPUT (kW): 1.00 SHF: 0.81

Indoor intake air D.B.(°C)	Indoor intake air D.B.(°F)	Indoor intake air W.B.(°C)	Indoor intake air W.B.(°F)	Outdoor intake air °C/°F D.B.																							
				20/68				25/77				30/86				35/95				40/104				46/115			
				CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
19	66	16	61	11,580	8,175	0.71	0.83	11,412	8,057	0.71	0.87	11,184	7,896	0.71	0.92	10,896	7,693	0.71	0.97	10,524	7,430	0.71	1.05	9,972	7,040	0.71	1.15
19	66	18	64	12,324	7,222	0.59	0.85	12,156	7,123	0.59	0.89	11,916	6,983	0.59	0.94	11,604	6,800	0.59	0.99	11,208	6,568	0.59	1.07	10,620	6,223	0.59	1.17
20	68	16	61	11,580	8,639	0.75	0.83	11,412	8,513	0.75	0.87	11,184	8,343	0.75	0.92	10,896	8,128	0.75	0.97	10,524	7,851	0.75	1.05	9,972	7,439	0.75	1.15
20	68	18	64	12,324	7,715	0.63	0.85	12,156	7,610	0.63	0.89	11,916	7,459	0.63	0.94	11,604	7,264	0.63	0.99	11,208	7,016	0.63	1.07	10,620	6,648	0.63	1.17
20	68	20	68	13,092	6,625	0.51	0.87	12,912	6,533	0.51	0.91	12,672	6,412	0.51	0.95	12,336	6,242	0.51	1.01	11,916	6,029	0.51	1.09	11,268	5,702	0.51	1.19
22	72	16	61	11,580	9,565	0.83	0.83	11,412	9,426	0.83	0.87	11,184	9,238	0.83	0.92	10,896	9,000	0.83	0.97	10,524	8,693	0.83	1.05	9,972	8,237	0.83	1.15
22	72	18	64	12,324	8,701	0.71	0.85	12,156	8,582	0.71	0.89	11,916	8,413	0.71	0.94	11,604	8,192	0.71	0.99	11,208	7,913	0.71	1.07	10,620	7,498	0.71	1.17
22	72	20	68	13,092	7,672	0.59	0.87	12,912	7,566	0.59	0.91	12,672	7,426	0.59	0.95	12,336	7,229	0.59	1.01	11,916	6,983	0.59	1.09	11,268	6,603	0.59	1.19
24	75	16	61	11,580	10,491	0.91	0.83	11,412	10,339	0.91	0.87	11,184	10,133	0.91	0.92	10,896	9,872	0.91	0.97	10,524	9,535	0.91	1.05	9,972	9,035	0.91	1.15
24	75	18	64	12,324	9,687	0.79	0.85	12,156	9,555	0.79	0.89	11,916	9,366	0.79	0.94	11,604	9,121	0.79	0.99	11,208	8,809	0.79	1.07	10,620	8,347	0.79	1.17
24	75	20	68	13,092	8,719	0.67	0.87	12,912	8,599	0.67	0.91	12,672	8,440	0.67	0.95	12,336	8,216	0.67	1.01	11,916	7,936	0.67	1.09	11,268	7,504	0.67	1.19
24	75	22	72	13,860	7,568	0.55	0.89	13,692	7,476	0.55	0.93	13,428	7,332	0.55	0.97	13,080	7,142	0.55	1.03	12,624	6,893	0.55	1.11	11,916	6,506	0.55	1.22
26	79	16	61	11,580	11,418	0.99	0.83	11,412	11,252	0.99	0.87	11,184	11,027	0.99	0.92	10,896	10,743	0.99	0.97	10,524	10,377	0.99	1.05	9,972	9,832	0.99	1.15
26	79	18	64	12,324	10,673	0.87	0.85	12,156	10,527	0.87	0.89	11,916	10,319	0.87	0.94	11,604	10,049	0.87	0.99	11,208	9,706	0.87	1.07	10,620	9,197	0.87	1.17
26	79	20	68	13,092	9,767	0.75	0.87	12,912	9,632	0.75	0.91	12,672	9,453	0.75	0.95	12,336	9,203	0.75	1.01	11,916	8,898	0.75	1.09	11,268	8,406	0.75	1.19
26	79	22	72	13,860	8,676	0.63	0.89	13,692	8,571	0.63	0.93	13,428	8,406	0.63	0.97	13,080	8,188	0.63	1.03	12,624	7,903	0.63	1.11	11,916	7,459	0.63	1.22
27	81	16	61	11,580	11,580	1.00	0.83	11,412	11,412	1.00	0.87	11,184	11,184	1.00	0.92	10,896	10,896	1.00	0.97	10,524	10,524	1.00	1.05	9,972	9,972	1.00	1.15
27	81	18	64	12,324	11,166	0.91	0.85	12,156	11,013	0.91	0.89	11,916	10,796	0.91	0.94	11,604	10,513	0.91	0.99	11,208	10,154	0.91	1.07	10,620	9,622	0.91	1.17
27	81	20	68	13,092	10,290	0.79	0.87	12,912	10,149	0.79	0.91	12,672	9,960	0.79	0.95	12,336	9,696	0.79	1.01	11,916	9,366	0.79	1.09	11,268	8,857	0.79	1.19
27	81	22	72	13,860	9,231	0.67	0.89	13,692	9,119	0.67	0.93	13,428	8,943	0.67	0.97	13,080	8,711	0.67	1.03	12,624	8,408	0.67	1.11	11,916	7,936	0.67	1.22
28	82	16	61	11,580	11,580	1.00	0.83	11,412	11,412	1.00	0.87	11,184	11,184	1.00	0.92	10,896	10,896	1.00	0.97	10,524	10,524	1.00	1.05	9,972	9,972	1.00	1.15
28	82	18	64	12,324	11,659	0.95	0.85	12,156	11,500	0.95	0.89	11,916	11,273	0.95	0.94	11,604	10,977	0.95	0.99	11,208	10,603	0.95	1.07	10,620	10,047	0.95	1.17
28	82	20	68	13,092	10,814	0.83	0.87	12,912	10,665	0.83	0.91	12,672	10,467	0.83	0.95	12,336	10,190	0.83	1.01	11,916	9,843	0.83	1.09	11,268	9,307	0.83	1.19
28	82	22	72	13,860	9,785	0.71	0.89	13,692	9,667	0.71	0.93	13,428	9,480	0.71	0.97	13,080	9,234	0.71	1.03	12,624	8,913	0.71	1.11	11,916	8,413	0.71	1.22
30	86	16	61	11,580	11,580	1.00	0.83	11,412	11,412	1.00	0.87	11,184	11,184	1.00	0.92	10,896	10,896	1.00	0.97	10,524	10,524	1.00	1.05	9,972	9,972	1.00	1.15
30	86	18	64	12,324	12,324	1.00	0.85	12,156	12,156	1.00	0.89	11,916	11,916	1.00	0.94	11,604	11,604	1.00	0.99	11,208	11,208	1.00	1.07	10,620	10,620	1.00	1.17
30	86	20	68	13,092	11,861	0.91	0.87	12,912	11,698	0.91	0.91	12,672	11,481	0.91	0.95	12,336	11,176	0.91	1.01	11,916	10,796	0.91	1.09	11,268	10,209	0.91	1.19
30	86	22	72	13,860	10,894	0.79	0.89	13,692	10,762	0.79	0.93	13,428	10,554	0.79	0.97	13,080	10,281	0.79	1.03	12,624	9,922	0.79	1.11	11,916	9,366	0.79	1.22
32	90	16	61	11,580	11,580	1.00	0.83	11,412	11,412	1.00	0.87	11,184	11,184	1.00	0.92	10,896	10,896	1.00	0.97	10,524	10,524	1.00	1.05	9,972	9,972	1.00	1.15
32	90	18	64	12,324	12,324	1.00	0.85	12,156	12,156	1.00	0.89	11,916	11,916	1.00	0.94	11,604	11,604	1.00	0.99	11,208	11,208	1.00	1.07	10,620	10,620	1.00	1.17
32	90	20	68	13,092	12,909	0.99	0.87	12,912	12,731	0.99	0.91	12,672	12,495	0.99	0.95	12,336	12,163	0.99	1.01	11,916	11,749	0.99	1.09	11,268	11,110	0.99	1.19
32	90	22	72	13,860	12,003	0.87	0.89	13,692	11,857	0.87	0.93	13,428	11,629	0.87	0.97	13,080	11,327	0.87	1.03	12,624	10,932	0.87	1.11	11,916	10,319	0.87	1.22

TPKA0A0181HA70A/TRUYA0181KA70, TRUZA0181KA70

CAPACITY (Btu/h): 18,000 INPUT (kW): 1.82 SHF: 0.68

Indoor intake air D.B.(°C)	Indoor intake air D.B.(°F)	Indoor intake air W.B.(°C)	Indoor intake air W.B.(°F)	Outdoor intake air °C/°F D.B.																							
				20/68				25/77				30/86				35/95				40/104				46/115			
				CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
19	66	16	61	17,370	10,005	0.58	1.51	17,118	9,860	0.58	1.58	16,776	9,663	0.58	1.67	16,344	9,414	0.58	1.77	15,786	9,093	0.58	1.90	14,958	8,616	0.58	2.09
19	66	18	64	18,486	8,430	0.46	1.55	18,234	8,315	0.46	1.62	17,874	8,151	0.46	1.70	17,406	7,937	0.46	1.81	16,812	7,666	0.46	1.94	15,930	7,264	0.46	2.13
20	68	16	61	17,370	10,700	0.62	1.51	17,118	10,545	0.62	1.58	16,776	10,334	0.62	1.67	16,344	10,068	0.62	1.77	15,786	9,724	0.62	1.90	14,958	9,214	0.62	2.09
20	68	18	64	18,486	9,169	0.50	1.55	18,234	9,044	0.50	1.62	17,874	8,866	0.50	1.70	17,406	8,633	0.50	1.81	16,812	8,339	0.50	1.94	15,930	7,901	0.50	2.13
20	68	20	68	19,638	7,384	0.38	1.59	19,368	7,282	0.38	1.65	19,008	7,147	0.38	1.74	18,504	6,958	0.38	1.84	17,874	6,721	0.38	1.98	16,902	6,355	0.38	2.17
22	72	16	61	17,370	12,090	0.70	1.51	17,118	11,914	0.70	1.58	16,776	11,676	0.70	1.67	16,344	11,375	0.70	1.77	15,786	10,987	0.70	1.90	14,958	10,411	0.70	2.09
22	72	18	64	18,486	10,648	0.58	1.55	18,234	10,503	0.58	1.62	17,874	10,295	0.58	1.70	17,406	10,026	0.58	1.81	16,812	9,684	0.58	1.94	15,930	9,176	0.58	2.13
22	72	20	68	19,638	8,955	0.46	1.59	19,368	8,832	0.46	1.65	19,008	8,668	0.46	1.74	18,504	8,438	0.46	1.84	17,874	8,151	0.46	1.98	16,902	7,707	0.46	2.17
24	75	16	61	17,370	13,479	0.78	1.51	17,118	13,284	0.78	1.58	16,776	13,018	0.78	1.67	16,344	12,683	0.78	1.77	15,786	12,250	0.78	1.90	14,958	11,607	0.78	2.09
24	75	18	64	18,486	12,127	0.66	1.55	18,234	11,962	0.66	1.62	17,874	11,725	0.66	1.70	17,406	11,418	0.66	1.81	16,812	11,029	0.66	1.94	15,930	10,450	0.66	2.13
24	75	20	68	19,638	10,526	0.54	1.59	19,368	10,381	0.54	1.65	19,008	10,188	0.54	1.74	18,504	9,918	0.54	1.84	17,874	9,580	0.54	1.98	16,902	9,059	0.54	2.17
24	75	22	72	20,790	8,649	0.42	1.62	20,538	8,544	0.42	1.69	20,142	8,379	0.42	1.77	19,620	8,162	0.42	1.88	18,936	7,877	0.42	2.01	17,874	7,436	0.42	2.21
26	79	16	61	17,370	14,869	0.86	1.51	17,118	14,653	0.86	1.58	16,776	14,390	0.86	1.67	16,344	13,990	0.86	1.77	15,786	13,513	0.86	1.90	14,958	12,804	0.86	2.09
26	79	18	64	18,486	13,606	0.74	1.55	18,234	13,420	0.74	1.62	17,874	13,155	0.74	1.70	17,406	12,811	0.74	1.81	16,812	12,374	0.74	1.94	15,930	11,724	0.74	2.13
26	79	20	68	19,638	12,097	0.62	1.59	19,368	11,931	0.62	1.65	19,008	11,709	0.62	1.74	18,504	11,398	0.62	1.84	17,874	11,010	0.62	1.98	16,902	10,412	0.62	2.17
26	79	22	72	20,790	10,312	0.50	1.62	20,538	10,187	0.50	1.69	20,142	9,990	0.50	1.77	19,620	9,732	0.50	1.88	18,936	9,392	0.50	2.01	17,874	8,866	0.50	2.21
27	81	16	61	17,370	15,564	0.90	1.51	17,118	15,338	0.90	1.58	16,776	15,031	0.90	1.67	16,344	14,644	0.90	1.77	15,786	14,144	0.90	1.90	14,958	13,402	0.90	2.09
27	81	18	64	18,486	14,345	0.78	1.55	18,234	14,150	0.78	1.62	17,874	13,870	0.78	1.70	17,406	13,507	0.78	1.81	16,812	13,046	0.78	1.94	15,930	12,362	0.78	2.13
27	81	20	68	19,638	12,883	0.66	1.59	19,368	12,705	0.66	1.65	19,008	12,469	0.66	1.74	18,504	12,139	0.66	1.84	17,874	11,725	0.66	1.98	16,902	11,088	0.66	2.17
27	81	22	72	20,790	11,143	0.54	1.62	20,538	11,008	0.54	1.69	20,142	10,796	0.54	1.77	19,620	10,516	0.54	1.88	18,936	10,150	0.54	2.01	17,874	9,580	0.54	2.21
28	82	16	61	17,370	16,258	0.94	1.51	17,118	16,022	0.94	1.58	16,776	15,702	0.94	1.67	16,344	15,298	0.94	1.77	15,786	14,776	0.94	1.90	14,958	14,001	0.94	2.09
28	82	18	64	18,486	15,085	0.82	1.55	18,234	14,879	0.82	1.62	17,874	14,585	0.82	1.70	17,406	14,203	0.82	1.81	16,812	13,719	0.82	1.94	15,930	12,999	0.82	2.13
28	82	20	68	19,638	13,668	0.70	1.59	19,368	13,480	0.70	1.65	19,008	13,230	0.70	1.74	18,504	12,879	0.70	1.84	17,874	12,440	0.70	1.98	16,902	11,764	0.70	2.17
28	82	22	72	20,790	11,975	0.58	1.62	20,538	11,830	0.58	1.69	20,142	11,602	0.58	1.77	19,620	11,301	0.58	1.88	18,936	10,907	0.58	2.01	17,874	10,295	0.58	2.21
30	86	16	61	17,370	17,370	1.00	1.51	17,118	17,118	1.00	1.58	16,776	16,776	1.00	1.67	16,344	16,344	1.00	1.77	15,786	15,786	1.00	1.90	14,958	14,958	1.00	2.09
30	86	18	64	18,486	16,563	0.90	1.55	18,234	16,338	0.90	1.62	17,874	16,015	0.90	1.70	17,406	15,596	0.90	1.81	16,812	15,064	0.90	1.94	15,930	14,773	0.90	2.13
30	86	20	68	19,638	15,239	0.78	1.59	19,368	15,030	0.78	1.65	19,008	14,750	0.78	1.74	18,504	14,359	0.78	1.84	17,874	13,870	0.78	1.98	16,902	13,116	0.78	2.17
30	86	22	72	20,790	13,638	0.66	1.62	20,538	13,473	0.66	1.69	20,142	13,213	0.66	1.77	19,620	12,871	0.66	1.88	18,936	12,422	0.66	2.01	17,874	11,725	0.66	2.21
32	90	16	61	17,370	17,370	1.00	1.51	17,118	17,118	1.00	1.58	16,776	16,776	1.00	1.67	16,344	16,344	1.00	1.77	15,786	15,786	1.00	1.90	14,958	14,958	1.00	2.09
32	90	18	64	18,486	18,042	0.98	1.55	18,234	17,796	0.98	1.62	17,874	17,445	0.98	1.70	17,406	16,988	0.98	1.81	16,812	16,409	0.98	1.94	15,930	15,548	0.98	2.13
32	90	20	68	19,638	16,810	0.86	1.59	19,368	16,579	0.86	1.65	19,008	16,271	0.86	1.74	18,504	15,839	0.86	1.84	17,874	15,300	0.86	1.98	16,902	14,468	0.86	2.17
32	90	22	72	20,790	15,301	0.74	1.62	20,538	15,116	0.74	1.69	20,142	14,825	0.74	1.77	19,620	14,440	0.74	1.88	18,936	13,937	0.74	2.01	17,874	13,155	0.74	2.21

3-1-2. HEATING CAPACITY

Model Name	Capacity Btu/h	Input kW	Indoor intake air D.B.(°C)	Indoor intake air D.B.(°F)	Outdoor intake air °C/°F W.B.											
					-10/14		-5/23		0/32		5/41		10/50		15/59	
					CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.
TPKA0A0121HA70A	14,000	0.95	15	59	8,890	0.56	9,660	0.62	10,780	0.71	14,140	0.86	15,960	0.95	17,780	1.03
			20	68	8,540	0.61	9,240	0.67	10,220	0.77	13,650	0.92	15,400	1.03	17,150	1.10
			25	77	8,260	0.65	8,960	0.72	9,800	0.84	12,880	0.98	14,840	1.10	16,520	1.18
TPKA0A0181HA70A	19,000	1.30	15	59	12,065	0.77	13,110	0.85	14,630	0.98	19,190	1.17	21,660	1.30	24,130	1.40
			20	68	11,590	0.83	12,540	0.91	13,870	1.05	18,525	1.26	20,900	1.40	23,275	1.51
			25	77	11,210	0.88	12,160	0.99	13,300	1.14	17,480	1.34	20,140	1.50	22,420	1.62

4 AIRFLOW DATA

4-1. OUTLET AIR SPEED AND COVERAGE RANGE

	TPKA0A0121HA70A	TPKA0A0181HA70A
Airflow CFM	425	425
Air speed ft/sec.(m/sec.)	20.0(6.1)	20.0(6.1)
Coverage range ft(m)	35(10.8)	35(10.8)

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 AIR FLOW DISTRIBUTIONS

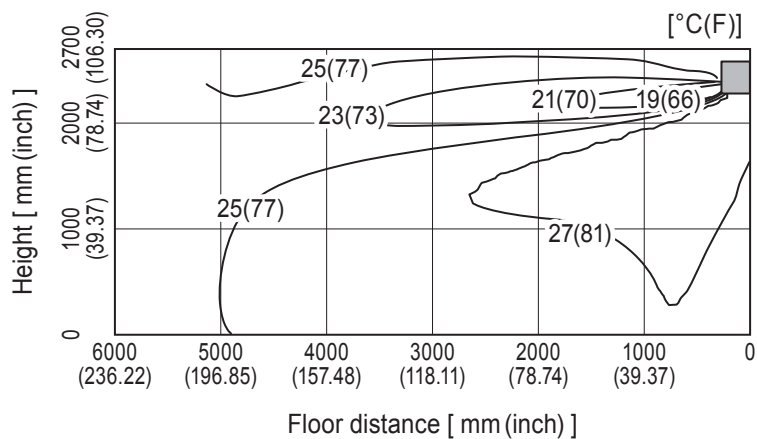
TPKA0A0121HA70A

Temperature distribution

<Cooling mode>

Air volume: high

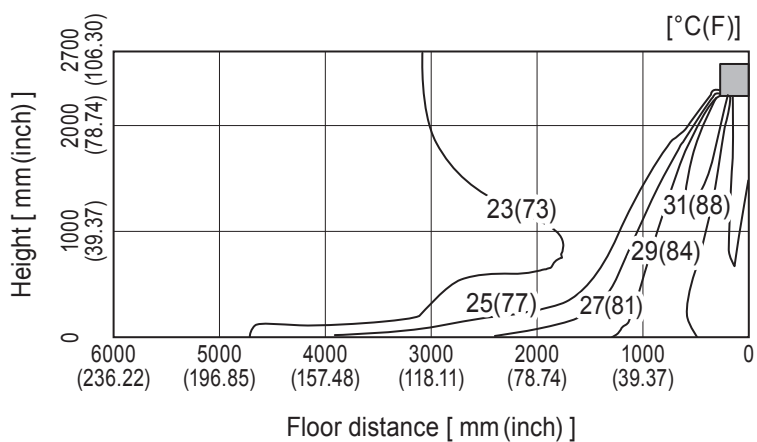
Air direction: auto (upward air flow)



<Heating mode>

Air volume: high

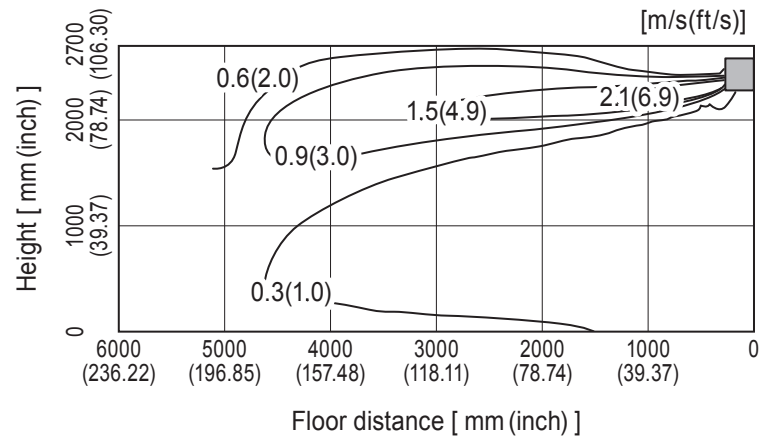
Air direction: auto (downward air flow)



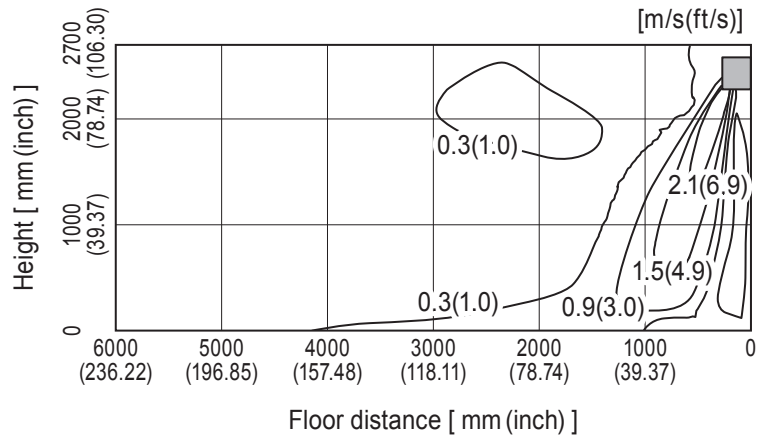
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Airflow distribution

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



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



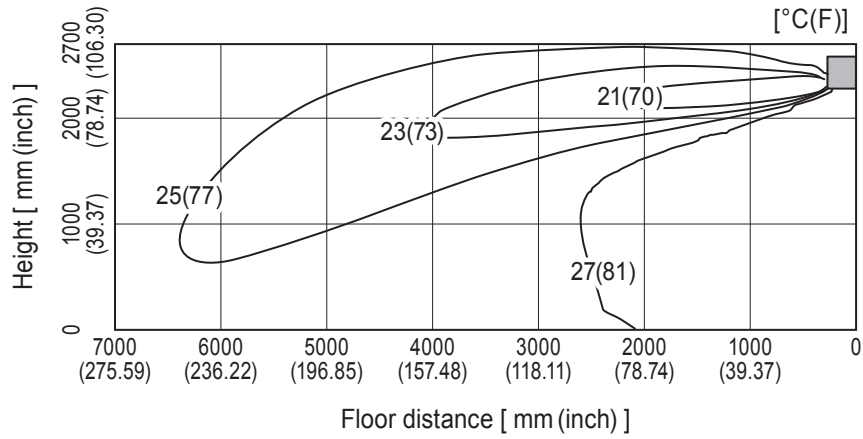
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Temperature distribution

<Cooling mode>

Air volume: high

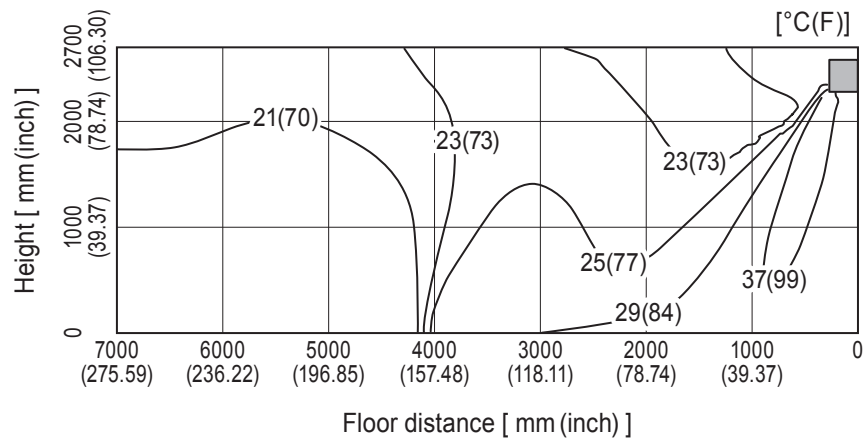
Air direction: auto (upward air flow)



<Heating mode>

Air volume: high

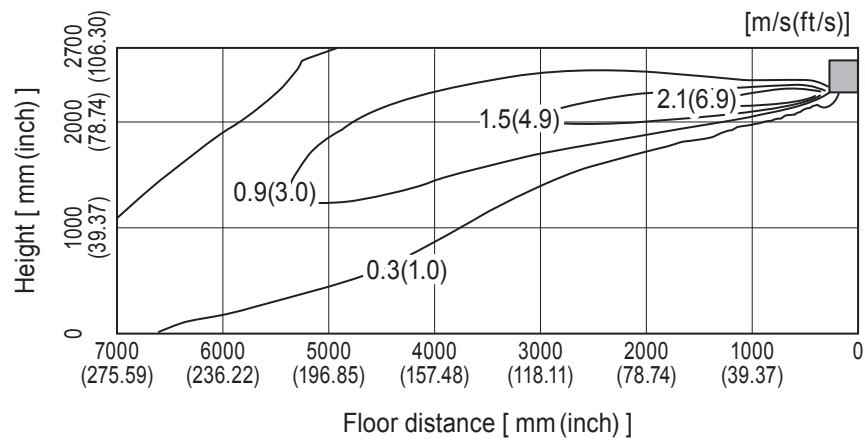
Air direction: auto (downward air flow)



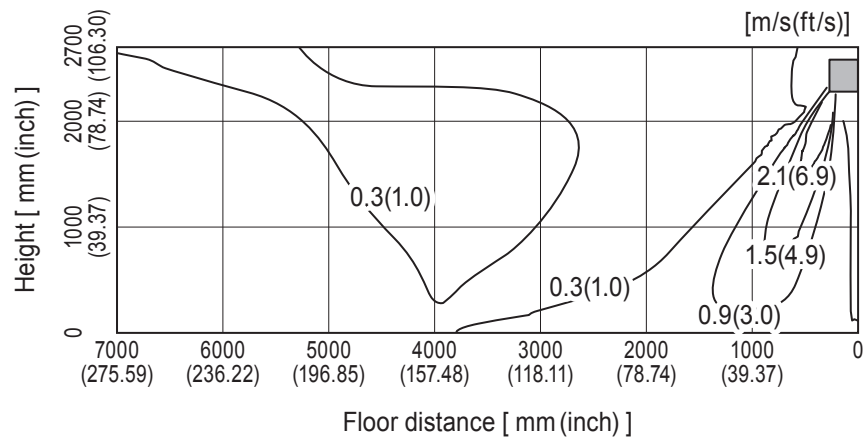
TPKA0A0181HA70A

Airflow distribution

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



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



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