

TECHNICAL DATA

No. OCD842-T

Series PKA

Wall Mounted

R410A

Indoor unit

[Model Name]

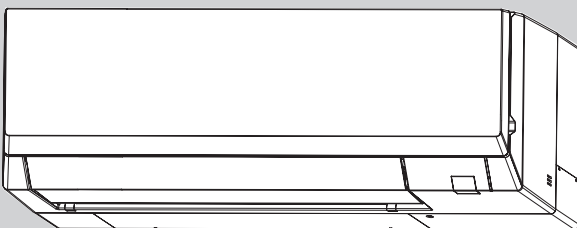
PKA-A12LA1

PKA-A18LA1

[Service Ref.]

PKA-A12LA1

PKA-A18LA1



INDOOR UNIT



WIRELESS REMOTE
CONTROLLER
(Option)



WIRED REMOTE
CONTROLLER
(Option)

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1-1. INVERTER

Model name	Indoor unit		PKA-A12LA1	PKA-A18LA1
	Outdoor unit		PUY-A12NKA7	PUY-A18NKA7
Cooling	Max. Capacity	Btu/h	12,000	18,000
	Rated Capacity *1	Btu/h	12,000	18,000
	Min. Capacity	Btu/h	4,400	5,600
	Total Input	W	900	1,680
	EER2	Btu/h/W	13.3	10.7
	SEER2	Btu/h/W	21.3	20.2
	Moisture Removal	Pints/h	2.7	5.8
	SHF *2		0.75 (0.88)	0.64 (0.73)
	Power factor	%	92.5	96.7
	Max. Capacity	Btu/h	-	-
Heating	Rated Capacity	Btu/h	-	-
	Min. Capacity	Btu/h	-	-
	Total Input	W	-	-
	COP 47 °F	W/W	-	-
	HSPF2	Btu/h/W	-	-
	Power factor	%	-	-
	Max. Capacity	Btu/h	-	-
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	0.19	
	Fan Motor Output	W	30	
	Air flow	DRY	CMM	7.5 - 8.2 - 9.2 - 10.9
		WET	CMM	6.1 - 7.3 - 9.0 - 10.7
	Air flow	DRY	CFM	265 - 290 - 325 - 385
		WET	CFM	215 - 255 - 320 - 375
	External pressure	in.WG [Pa]	0	
	Sound level	DRY	dB (A)	34 - 37 - 40 - 43
		WET	dB (A)	34 - 39 - 44 - 48
	External finish		White Munsell 0.7PB 9.2/0.4	
	Dimension	W:mm [inch]	898 [35-23/64]	
		D:mm [inch]	237 [9-11/32]	
		H:mm [inch]	299 [11-25/32]	
	Weight	kg [lbs]	12.7 [28]	
	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	Model (Type)	SNB092FQCMC	SNB130FQCMC-L1
		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]
Refrigerant	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)

*2 The values in parentheses are based on the test condition of ANSI/ASHRAE Standard 127-2012.

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)
	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		PKA-A12LA1		PKA-A18LA1		
	Outdoor unit		PUZ-A12NKA7		PUZ-A18NKA7		
Cooling	Max. Capacity		12,000		18,000		
	Rated Capacity *1		12,000		18,000		
	Min. Capacity		4,400		5,600		
	Total Input		900		1,680		
	EER2		13.3		10.7		
	SEER2		21.3		20.2		
	Moisture Removal		2.7		5.8		
	SHF *3		0.75 (0.88)		0.64 (0.73)		
	Power factor		%		92.5		
Heating	Max. Capacity		18,000		22,000		
	Rated Capacity *1		14,000		19,000		
	Min. Capacity		4,500		5,500		
	Total Input		1,030		1,640		
	COP 47 °F		W/W		3.3		
	HSPF2		Btu/h/W		10.2		
	Power factor		%		97.4		
Power supply	Phase,Cycle,Voltage		1phase, 60Hz, 208/230V				
Voltage	Breaker size		A				
	Indoor - Outdoor S1-S2		AC208V/230V				
	Indoor - Outdoor S2-S3		DC24V				
Indoor unit	Indoor - Remote controller		DC12V				
	MCA		A				
	MOCP		A				
	Fan Motor		F.L.A				
	Fan Motor Output		W				
	Air flow	DRY	CMM	7.5 - 8.2 - 9.2 - 10.9		7.5 - 8.9 - 10.6 - 12.7	
		WET	CMM	6.1 - 7.3 - 9.0 - 10.7		6.1 - 7.3 - 9.0 - 10.7	
	Air flow	DRY	CFM	265 - 290 - 325 - 385		265 - 310 - 375 - 450	
		WET	CFM	215 - 255 - 320 - 375		215 - 255 - 320 - 375	
	External pressure		in.WG [Pa]		0		
	Sound level	DRY	dB (A)	34 - 37 - 40 - 43		34 - 39 - 44 - 48	
		WET	dB (A)	34 - 39 - 44 - 48		34 - 39 - 44 - 48	
	External finish		White Munsell 0.7PB 9.2/0.4				
	Dimension	W:mm [inch]		898 [35-23/64]			
		D:mm [inch]		237 [9-11/32]			
		H:mm [inch]		299 [11-25/32]			
	Weight		kg [lbs]		12.7 [28]		
Field Drain pipe size		mm [inch]		16 [5/8]			
Remote controller			Attached in indoor unit				
Outdoor unit	MCA		A				
	MOCP		A				
	Fan Motor		F.L.A				
	Fan Motor Output		W				
	Compressor	Model (Type)		SNB092FQCMC		SNB130FQCMC-L1	
		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		
	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]		
	Refrigerant	Type		R410A			
		Charge		kg [lbs,oz]		2.0 [4 lbs 7 oz]	
		Oil		L [oz]		0.35 (FV50S) [12]	
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)
*3 The values in parentheses are based on the test condition of ANSI/ASHRAE Standard 127-2012.

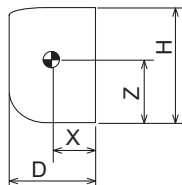
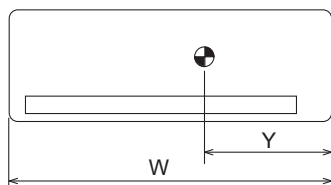
Operating range

		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. -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
PKA-A12LA1	35-23/64 (898)	9-11/32 (237)	11-25/32 (299)	4-17/32 (115)	15-5/32 (385)	5-45/64 (145)
PKA-A18LA1	35-23/64 (898)	9-11/32 (237)	11-25/32 (299)	4-17/32 (115)	15-5/32 (385)	5-45/64 (145)

3-1. INVERTER

3-1-1. COOLING CAPACITY

PKA-A12LA1/PUY-A12NKA7, PUZ-A12NKA7

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.	CA	SHC	SHF	P.C.
19	66	16	61	11,580	7,481	0.65	0.75	11,412	7,372	0.65	0.78	11,184	7,225	0.65	0.82	10,896	7,039	0.65	0.88	10,524	6,799	0.65	0.94	9,972	6,442	0.65	1.03
19	66	18	64	12,324	6,482	0.53	0.77	12,156	6,394	0.53	0.80	11,916	6,268	0.53	0.84	11,604	6,104	0.53	0.89	11,208	5,895	0.53	0.96	10,620	5,586	0.53	1.05
20	68	16	61	11,580	7,944	0.69	0.75	11,412	7,829	0.69	0.78	11,184	7,672	0.69	0.82	10,896	7,475	0.69	0.88	10,524	7,219	0.69	0.94	9,972	6,841	0.69	1.03
20	68	18	64	12,324	6,975	0.57	0.77	12,156	6,880	0.57	0.80	11,916	6,744	0.57	0.84	11,604	6,568	0.57	0.89	11,208	6,344	0.57	0.96	10,620	6,011	0.57	1.05
20	68	20	68	13,092	5,839	0.45	0.78	12,912	5,759	0.45	0.82	12,672	5,652	0.45	0.86	12,336	5,502	0.45	0.91	11,916	5,315	0.45	0.98	11,268	5,026	0.45	1.07
22	72	16	61	11,580	8,870	0.77	0.75	11,412	8,742	0.77	0.78	11,184	8,567	0.77	0.82	10,896	8,346	0.77	0.88	10,524	8,061	0.77	0.94	9,972	7,639	0.77	1.03
22	72	18	64	12,324	7,961	0.65	0.77	12,156	7,853	0.65	0.80	11,916	7,698	0.65	0.84	11,604	7,496	0.65	0.89	11,208	7,240	0.65	0.96	10,620	6,861	0.65	1.05
22	72	20	68	13,092	6,886	0.53	0.78	12,912	6,792	0.53	0.82	12,672	6,665	0.53	0.86	12,336	6,489	0.53	0.91	11,916	6,268	0.53	0.98	11,268	5,927	0.53	1.07
24	75	16	61	11,580	10,167	0.88	0.75	11,412	10,020	0.88	0.78	11,184	9,820	0.88	0.82	10,896	9,567	0.88	0.88	10,524	9,240	0.88	0.94	9,972	8,755	0.88	1.03
24	75	18	64	12,324	8,947	0.73	0.77	12,156	8,825	0.73	0.80	11,916	8,651	0.73	0.84	11,604	8,425	0.73	0.89	11,208	8,137	0.73	0.96	10,620	7,710	0.73	1.05
24	75	20	68	13,092	7,934	0.61	0.78	12,912	7,825	0.61	0.82	12,672	7,679	0.61	0.86	12,336	7,476	0.61	0.91	11,916	7,221	0.61	0.98	11,268	6,828	0.61	1.07
24	75	22	72	13,860	6,736	0.49	0.80	13,692	6,654	0.49	0.83	13,428	6,526	0.49	0.88	13,080	6,357	0.49	0.93	12,624	6,135	0.49	1.00	11,916	5,791	0.49	1.09
26	79	16	61	11,580	10,723	0.93	0.75	11,412	10,568	0.93	0.78	11,184	10,356	0.93	0.82	10,896	10,090	0.93	0.88	10,524	9,745	0.93	0.94	9,972	9,234	0.93	1.03
26	79	18	64	12,324	9,933	0.81	0.77	12,156	9,798	0.81	0.80	11,916	9,604	0.81	0.84	11,604	9,353	0.81	0.89	11,208	9,034	0.81	0.96	10,620	8,560	0.81	1.05
26	79	20	68	13,092	8,981	0.69	0.78	12,912	8,858	0.69	0.82	12,672	8,693	0.69	0.86	12,336	8,462	0.69	0.91	11,916	8,174	0.69	0.98	11,268	7,730	0.69	1.07
26	79	22	72	13,860	7,845	0.57	0.80	13,692	7,750	0.57	0.83	13,428	7,600	0.57	0.88	13,080	7,403	0.57	0.93	12,624	7,145	0.57	1.00	11,916	6,744	0.57	1.09
27	81	16	61	11,580	11,186	0.97	0.75	11,412	11,024	0.97	0.78	11,184	10,804	0.97	0.82	10,896	10,526	0.97	0.88	10,524	10,166	0.97	0.94	9,972	9,633	0.97	1.03
27	81	18	64	12,324	10,426	0.85	0.77	12,156	10,284	0.85	0.80	11,916	10,081	0.85	0.84	11,604	9,817	0.85	0.89	11,208	9,482	0.85	0.96	10,620	8,985	0.85	1.05
27	81	20	68	13,092	9,505	0.73	0.78	12,912	9,374	0.73	0.82	12,672	9,200	0.73	0.86	12,336	8,956	0.73	0.91	11,916	8,651	0.73	0.98	11,268	8,181	0.73	1.07
27	81	22	72	13,860	8,399	0.61	0.80	13,692	8,297	0.61	0.83	13,428	8,137	0.61	0.88	13,080	7,926	0.61	0.93	12,624	7,650	0.61	1.00	11,916	7,221	0.61	1.09
28	82	16	61	11,580	11,580	1.00	0.75	11,412	11,412	1.00	0.78	11,184	11,184	1.00	0.82	10,896	10,896	1.00	0.88	10,524	10,524	1.00	0.94	9,972	9,972	1.00	1.03
28	82	18	64	12,324	10,919	0.89	0.77	12,156	10,770	0.89	0.80	11,916	10,558	0.89	0.84	11,604	10,281	0.89	0.89	11,208	9,930	0.89	0.96	10,620	9,409	0.89	1.05
28	82	20	68	13,092	10,028	0.77	0.78	12,912	9,891	0.77	0.82	12,672	9,707	0.77	0.86	12,336	9,449	0.77	0.91	11,916	9,128	0.77	0.98	11,268	8,631	0.77	1.07
28	82	22	72	13,860	8,954	0.65	0.80	13,692	8,845	0.65	0.83	13,428	8,674	0.65	0.88	13,080	8,450	0.65	0.93	12,624	8,155	0.65	1.00	11,916	7,698	0.65	1.09
30	86	16	61	11,580	11,580	1.00	0.75	11,412	11,412	1.00	0.78	11,184	11,184	1.00	0.82	10,896	10,896	1.00	0.88	10,524	10,524	1.00	0.94	9,972	9,972	1.00	1.03
30	86	18	64	12,324	11,905	0.97	0.77	12,156	11,743	0.97	0.80	11,916	11,511	0.97	0.84	11,604	11,209	0.97	0.89	11,208	10,827	0.97	0.96	10,620	10,259	0.97	1.05
30	86	20	68	13,092	11,076	0.85	0.78	12,912	10,924	0.85	0.82	12,672	10,721	0.85	0.86	12,336	10,436	0.85	0.91	11,916	10,081	0.85	0.98	11,268	9,533	0.85	1.07
30	86	22	72	13,860	10,062	0.73	0.80	13,692	9,940	0.73	0.83	13,428	9,749	0.73	0.88	13,080	9,496	0.73	0.93	12,624	9,165	0.73	1.00	11,916	8,651	0.73	1.09
32	90	16	61	11,580	11,580	1.00	0.75	11,412	11,412	1.00	0.78	11,184	11,184	1.00	0.82	10,896	10,896	1.00	0.88	10,524	10,524	1.00	0.94	9,972	9,972	1.00	1.03
32	90	18	64	12,324	12,324	1.00	0.77	12,156	12,156	1.00	0.80	11,916	11,916	1.00	0.84	11,604	11,604	1.00	0.89	11,208	11,208	1.00	0.96	10,620	10,620	1.00	1.05
32	90	20	68	13,092	12,123	0.93	0.78	12,912	11,957	0.93	0.82	12,672	11,734	0.93	0.86	12,336	11,423	0.93	0.91	11,916	11,034	0.93	0.98	11,268	10,434	0.93	1.07
32	90	22	72	13,860	11,171	0.81	0.80	13,692	11,036	0.81	0.83	13,428	10,823	0.81	0.88	13,080	10,542	0.81	0.93	12,624	10,175	0.81	1.00	11,916	9,604	0.81	1.09

PKA-A18LA1/PUY-A18NKA7, PUZ-A18NKA7

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	9,310	0.54	1.39	17,118	9,175	0.54	1.46	16,776	8,992	0.54	1.54	16,344	8,760	0.54	1.64	15,786	8,461	0.54	1.76	14,958	8,017	0.54	1.93
19	66	18	64	18,486	7,690	0.42	1.43	18,234	7,585	0.42	1.49	17,874	7,436	0.42	1.57	17,406	7,241	0.42	1.67	16,812	6,994	0.42	1.79	15,930	6,627	0.42	1.97
20	68	16	61	17,370	10,005	0.58	1.39	17,118	9,860	0.58	1.46	16,776	9,663	0.58	1.54	16,344	9,414	0.58	1.64	15,786	9,093	0.58	1.76	14,958	8,616	0.58	1.93
20	68	18	64	18,486	8,430	0.46	1.43	18,234	8,315	0.46	1.49	17,874	8,151	0.46	1.57	17,406	7,937	0.46	1.67	16,812	7,666	0.46	1.79	15,930	7,264	0.46	1.97
20	68	20	68	19,638	6,598	0.34	1.46	19,368	6,508	0.34	1.53	19,008	6,387	0.34	1.60	18,504	6,217	0.34	1.70	17,874	6,006	0.34	1.82	16,902	5,679	0.34	2.00
22	72	16	61	17,370	11,395	0.66	1.39	17,118	11,229	0.66	1.46	16,776	11,005	0.66	1.54	16,344	10,722	0.66	1.64	15,786	10,356	0.66	1.76	14,958	9,812	0.66	1.93
22	72	18	64	18,486	9,908	0.54	1.43	18,234	9,773	0.54	1.49	17,874	9,580	0.54	1.57	17,406	9,330	0.54	1.67	16,812	9,011	0.54	1.79	15,930	8,538	0.54	1.97
22	72	20	68	19,638	8,169	0.42	1.46	19,368	8,057	0.42	1.53	19,008	7,907	0.42	1.60	18,504	7,698	0.42	1.70	17,874	7,436	0.42	1.82	16,902	7,031	0.42	2.00
24	75	16	61	17,370	12,763	0.73	1.39	17,118	12,578	0.73	1.46	16,776	12,327	0.73	1.54	16,344	12,010	0.73	1.64	15,786	11,600	0.73	1.76	14,958	10,991	0.73	1.93
24	75	18	64	18,486	11,387	0.62	1.43	18,234	11,232	0.62	1.49	17,874	11,010	0.62	1.57	17,406	10,722	0.62	1.67	16,812	10,356	0.62	1.79	15,930	9,813	0.62	1.97
24	75	20	68	19,638	9,740	0.50	1.46	19,368	9,607	0.50	1.53	19,008	9,428	0.50	1.60	18,504	9,178	0.50	1.70	17,874	8,866	0.50	1.82	16,902	8,383	0.50	2.00
24	75	22	72	20,790	7,817	0.38	1.50	20,538	7,722	0.38	1.56	20,142	7,573	0.38	1.63	19,620	7,377	0.38	1.74	18,936	7,120	0.38	1.86	17,874	6,721	0.38	2.04
26	79	16	61	17,370	14,174	0.82	1.39	17,118	13,968	0.82	1.46	16,776	13,689	0.82	1.54	16,344	13,337	0.82	1.64	15,786	12,881	0.82	1.76	14,958	12,206	0.82	1.93
26	79	18	64	18,486	12,866	0.70	1.43	18,234	12,691	0.70	1.49	17,874	12,440	0.70	1.57	17,406	12,115	0.70	1.67	16,812	11,701	0.70	1.79	15,930	11,087	0.70	1.97
26	79	20	68	19,638	11,311	0.58	1.46	19,368	11,156	0.58	1.53	19,008	10,949	0.58	1.60	18,504	10,658	0.58	1.70	17,874	10,295	0.58	1.82	16,902	9,736	0.58	2.00
26	79	22	72	20,790	9,480	0.46	1.50	20,538	9,365	0.46	1.56	20,142	9,185	0.46	1.63	19,620	8,947	0.46	1.74	18,936	8,635	0.46	1.86	17,874	8,151	0.46	2.04
27	81	16	61	17,370	14,869	0.86	1.39	17,118	14,653	0.86	1.46	16,776	14,360	0.86	1.54	16,344	13,990	0.86	1.64	15,786	13,513	0.86	1.76	14,958	12,804	0.86	1.93
27	81	18	64	18,486	13,606	0.74	1.43	18,234	13,420	0.74	1.49	17,874	13,155	0.74	1.57	17,406	12,811	0.74	1.67	16,812	12,374	0.74	1.79	15,930	11,724	0.74	1.97
27	81	20	68	19,638	12,097	0.62	1.46	19,368	11,931	0.62	1.53	19,008	11,709	0.62	1.60	18,504	11,398	0.62	1.70	17,874	11,010	0.62	1.82	16,902	10,412	0.62	2.00
27	81	22	72	20,790	10,312	0.50	1.50	20,538	10,187	0.50	1.56	20,142	9,990	0.50	1.63	19,620	9,732	0.50	1.74	18,936	9,392	0.50	1.86	17,874	8,866	0.50	2.04
28	82	16	61	17,370	15,564	0.90	1.39	17,118	15,338	0.90	1.46	16,776	15,031	0.90	1.54	16,344	14,644	0.90	1.64	15,786	14,144	0.90	1.76	14,958	13,402	0.90	1.93
28	82	18	64	18,486	14,345	0.78	1.43	18,234	14,150	0.78	1.49	17,874	13,870	0.78	1.57	17,406	13,507	0.78	1.67	16,812	13,046	0.78	1.79	15,930	12,362	0.78	1.97
28	82	20	68	19,638	12,883	0.66	1.46	19,368	12,705	0.66	1.53	19,008	12,469	0.66	1.60	18,504	12,139	0.66	1.70	17,874	11,725	0.66	1.82	16,902	11,088	0.66	2.00
28	82	22	72	20,790	11,143	0.54	1.50	20,538	11,008	0.54	1.56	20,142	10,796	0.54	1.63	19,620	10,516	0.54	1.74	18,936	10,150	0.54	1.86	17,874	9,580	0.54	2.04
30	86	16	61	17,370	16,953	0.98	1.39	17,118	16,707	0.98	1.46	16,776	16,373	0.98	1.54	16,344	15,952	0.98	1.64	15,786	15,407	0.98	1.76	14,958	14,599	0.98	1.93
30	86	18	64	18,486	15,824	0.86	1.43	18,234	15,608	0.86	1.49	17,874	15,300	0.86	1.57	17,406	14,900	0.86	1.67	16,812	14,391	0.86	1.79	15,930	13,636	0.86	1.97
30	86	20	68	19,638	14,454	0.74	1.46	19,368	14,255	0.74	1.53	19,008	13,990	0.74	1.60	18,504	13,619	0.74	1.70	17,874	13,155	0.74	1.82	16,902	12,440	0.74	2.00
30	86	22	72	20,790	12,807	0.62	1.50	20,538	12,651	0.62	1.56	20,142	12,407	0.62	1.63	19,620	12,086	0.62	1.74	18,936	11,665	0.62	1.86	17,874	11,110	0.62	2.04
32	90	16	61	17,370	17,370	1.00	1.39	17,118	17,118	1.00	1.46	16,776	16,776	1.00	1.54	16,344	16,344	1.00	1.64	15,786	15,786	1.00	1.76	14,958	14,958	1.00	1.93
32	90	18	64	18,486	17,303	0.94	1.43	18,234	17,067	0.94	1.49	17,874	16,730	0.94	1.57	17,406	16,292	0.94	1.67	16,812	15,736	0.94	1.79	15,930	14,910	0.94	1.97
32	90	20	68	19,638	16,025	0.82	1.46	19,368	15,804	0.82	1.53	19,008	15,511	0.82	1.60	18,504	15,099	0.82	1.70	17,874	14,585	0.82	1.82	16,902	13,992	0.82	2.00
32	90	22	72	20,790	14,470	0.70	1.50	20,538	14,294	0.70	1.56	20,142	14,019	0.70	1.63	19,620	13,656	0.70	1.74	18,936	13,179	0.70	1.86	17,874	12,440	0.70	2.04

3-1-2. HEATING CAPACITY

Model Name	Capacity Btu/h	Input kW	Indoor	Indoor	Outdoor intake air °C/°F W.B.											
			intake air	intake air	-10/14		-5/23		0/32		5/41		10/50		15/59	
			D.B.(°C)	D.B.(°F)	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.	CA	P.C.
PKA-A12LA1	14,000	1.03	15	59	8,890	0.61	9,660	0.67	10,780	0.77	14,140	0.93	15,960	1.03	17,780	1.11
			20	68	8,540	0.66	9,240	0.72	10,220	0.83	13,650	1.00	15,400	1.11	17,150	1.19
			25	77	8,260	0.70	8,960	0.78	9,800	0.91	12,880	1.06	14,840	1.19	16,520	1.28
PKA-A18LA1	19,000	1.64	15	59	12,065	0.97	13,110	1.07	14,630	1.23	19,190	1.48	21,660	1.64	24,130	1.77
			20	68	11,590	1.05	12,540	1.15	13,870	1.33	18,525	1.59	20,900	1.77	23,275	1.90
			25	77	11,210	1.12	12,160	1.25	13,300	1.44	17,480	1.69	20,140	1.89	22,420	2.04

4 AIRFLOW DATA

4-1. OUTLET AIR SPEED AND COVERAGE RANGE

		PKA-A12LA1	PKA-A18LA1
Airflow	CFM	385	450
Air speed	ft/sec. (m/sec.)	16 (4.9)	19 (5.7)
Coverage range	ft (m)	30 (9.2)	35 (10.7)

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.

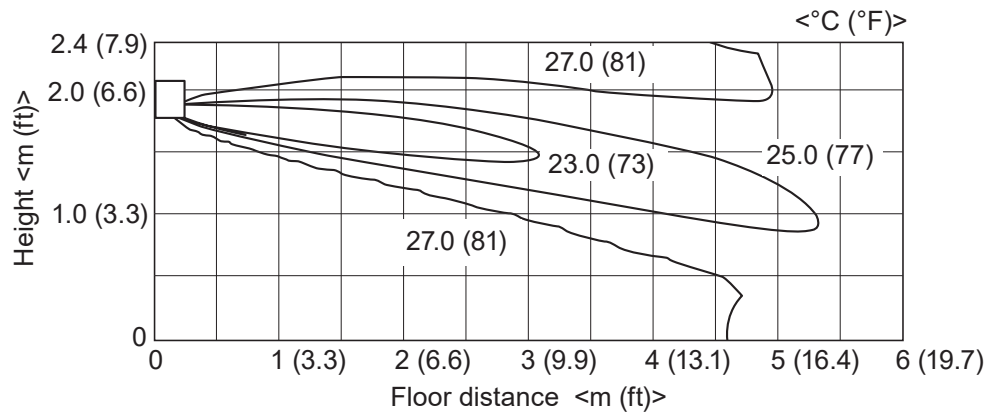
The coverage range should be used only as a general guideline since it varies according to the size of the room and the furniture inside the room.

4-2. TEMPERATURE AND AIR FLOW DISTRIBUTIONS

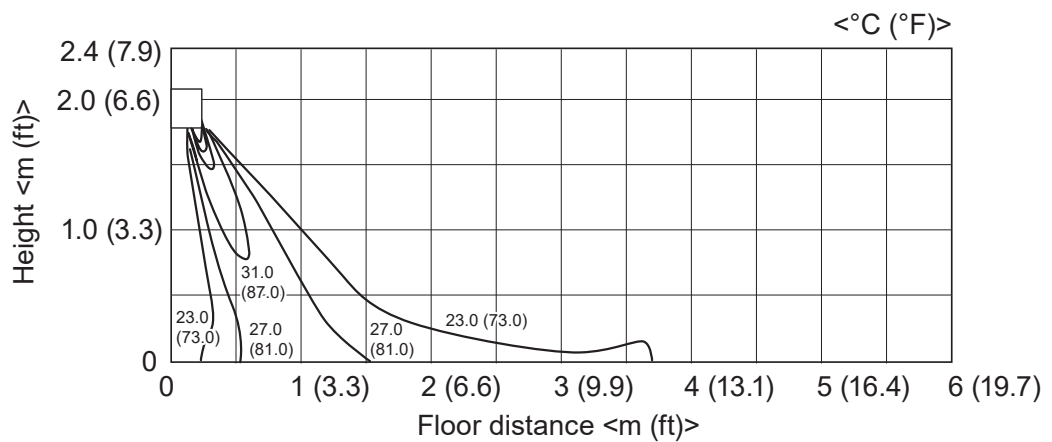
PKA-A12LA1

Temperature distribution

<Cooling mode>



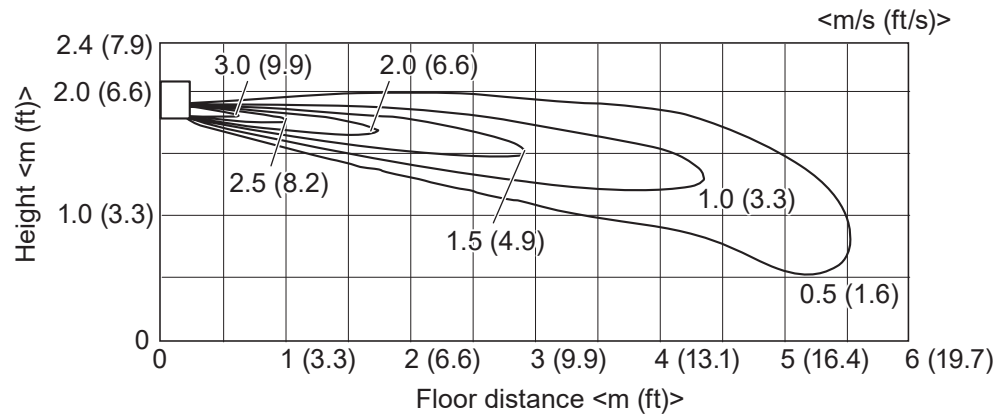
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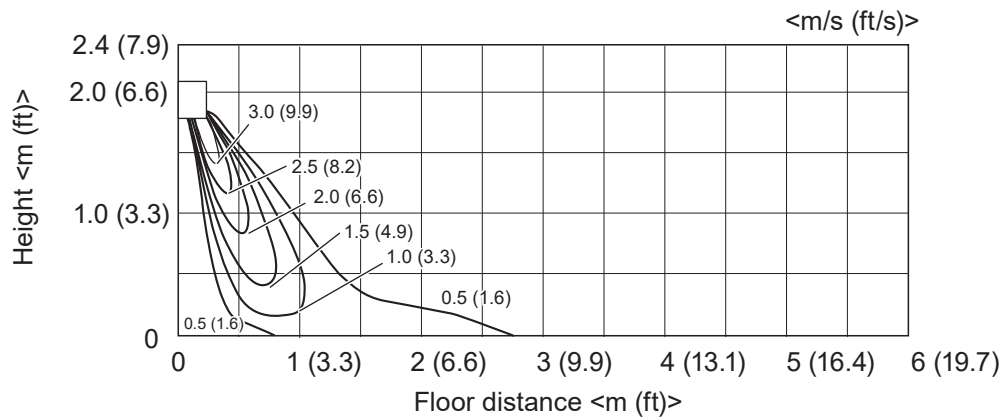
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Airflow distribution

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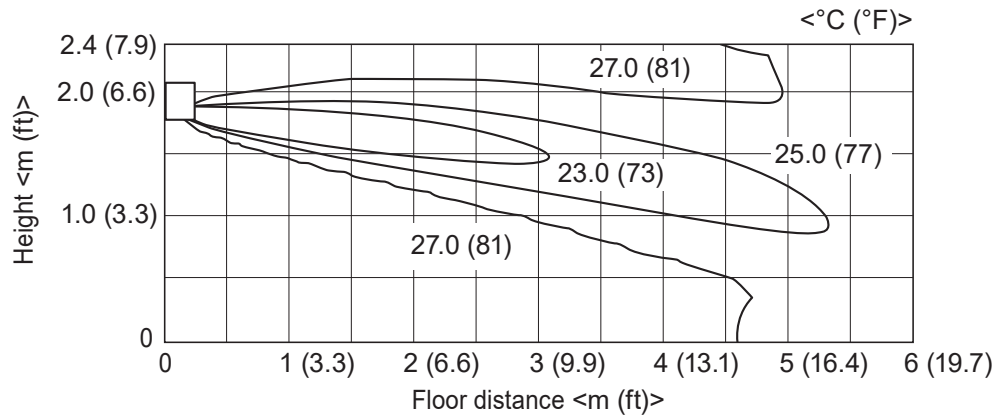
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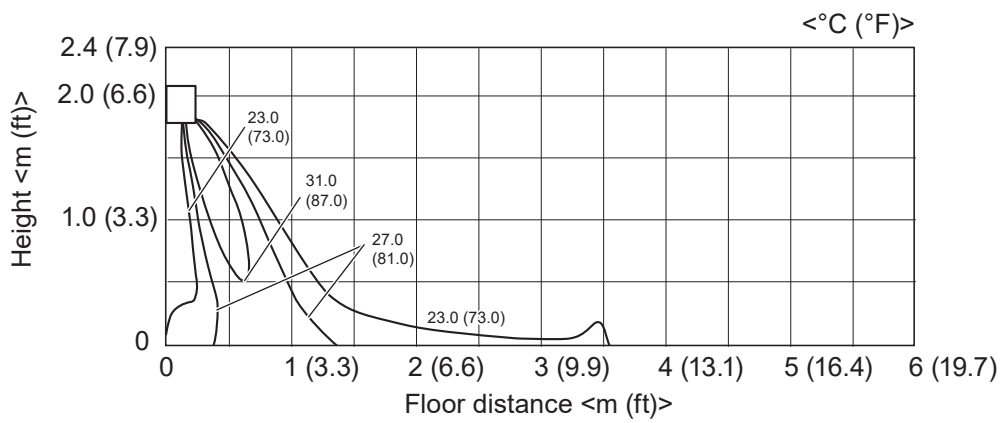
PKA-A18LA1

Temperature distribution

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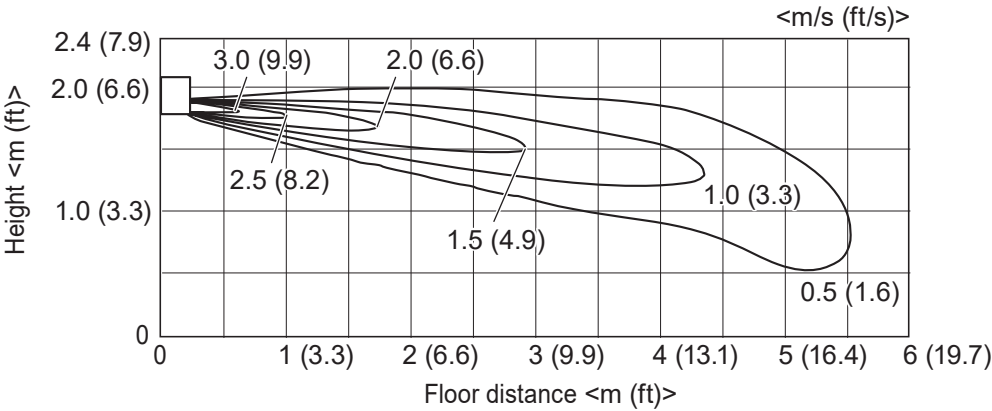
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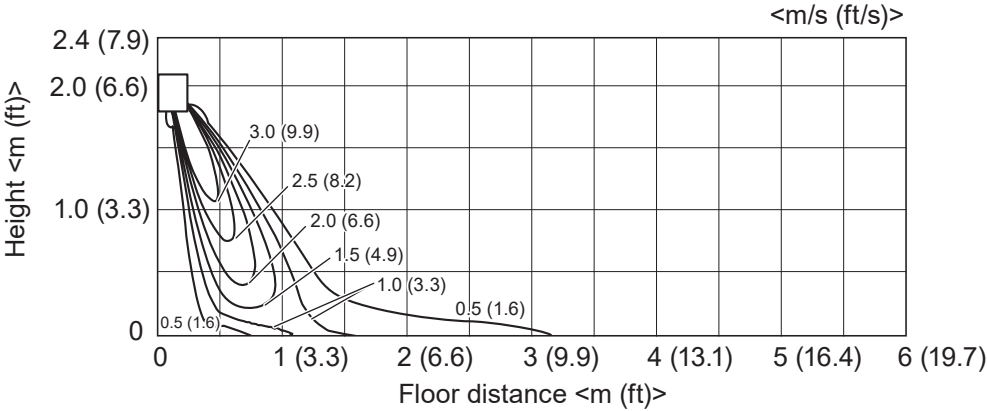
PKA-A18LA1

Airflow distribution

<Cooling mode>



<Heating mode>



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