

Product Specifications



PCA-M Series (Ceiling Suspended)								
Indoor Unit		PCA-M50KA	PCA-M60KA	PCA-M71KA	PCA-M100KA	PCA-M125KA		
Outdoor Unit		SUZ-M50VAD-A	SUZ-M60VAD-A	SUZ-M71VAD-A	PUZ-M100VKA-A	PUZ-M125VKA-A		
Refrigerant		R32						
Power Supply (V, Phase, Hz)		230V, Single-phase, 50/60Hz			230V, Single-phase, 50Hz			
Cooling	Capacity [Min-Rated*4 -Max]	kW	2.30 - 5.00 - 6.00	2.30 - 6.00 - 6.50	2.80 - 7.10 - 8.10	4.00 - 10.00 - 10.60	5.70 - 11.50 - 13.00	
	Total Input [Rated]*4	kW	1.28	1.60	1.98	2.97	3.60	
	AEER/EER		3.84/3.90	3.68/3.75	3.53/3.58	3.26/3.36	3.11/3.19	
	AEER [Part-Load %]*1		-				4.23	
	Running Current [Rated]*4	A	5.80	7.00	8.70	13.40	16.30	
	Sound Pressure Level*2	In (Lo-Mid2-Mid1-Hi)	dB(A)	32 - 34 - 37 - 40	33 - 35 - 37 - 40	35 - 37 - 39 - 41	37 - 39 - 41 - 43	39 - 41 - 43 - 45
Out (PWL)		48 (64)		49 (65)	45 (59)	52 (71)	54 (72)	
Air Volume (In) Lo-Mid2-Mid1-Hi	L/S	167 - 183 - 217 - 250	250 - 267 - 283 - 317	267 - 283 - 300 - 333	367 - 400 - 433 - 467	383 - 417 - 450 - 483		
Heating	Capacity [Min-Rated*5 -Max]	kW	1.70 - 6.00 - 7.00	2.50 - 7.00 - 8.00	2.60 - 8.00 - 10.20	2.80 - 11.20 - 12.50	4.10 - 14.00 - 15.00	
	Total Input [Rated]*5	kW	1.65	1.72	2.24	3.38	4.35	
	COP/ACOP		3.63/3.59	4.06/4.00	3.57/3.52	3.31/3.22	3.21/3.15	
	Running Current [Rated]*5	A	7.30	7.50	9.80	15.30	19.50	
	Sound Pressure Level*2	In (Lo-Mid2-Mid1-Hi)	dB(A)	32 - 34 - 37 - 40	33 - 35 - 37 - 40	35 - 37 - 39 - 41	37 - 39 - 41 - 43	39 - 41 - 43 - 45
		Out (PWL)		49 (66)	51 (68)	46 (59)	54 (72)	56 (74)
Air Volume (In) Lo-Mid-Hi	L/S	167 - 183 - 217 - 250	250 - 267 - 283 - 317	267 - 283 - 300 - 333	367 - 400 - 433 - 467	383 - 417 - 450 - 483		
Max. Running Current	A	13.50	14.80		20.70	27.30		
Indoor Unit	Input [Rated]	kW	0.05	0.06		0.09	0.11	
	Dimensions [HxWxD]	mm	230 x 960 x 680	230 x 1280 x 680		230 x 1600 x 680		
	Weight [Panel]	kg	26.0	32.0		37.0	38.0	
Outdoor Unit	Dimensions [HxWxD]	mm	714 x 800 x 285	880 x 840 x 330		981 x 1050 x 330 (+40)		
	Weight	kg	41.0	54.0	55.0	76.0	84.0	
	Breaker Size	A	20			32		
Ext. Piping	Diameter [Liquid/Gas]	mm	ø6.35/ø12.70	ø6.35/ø15.88		ø9.52/ø15.88		
	Max. Length/Height	m	30/30			55/30		
Guaranteed Operating Range [Outdoor]	Cooling*3	°C	-15 ~ 52			-15 ~ 46		
	Heating	°C	-15 ~ 24			-15 ~ 21		
Pre-Charge Refrigerant	kg	1.20 (7m)	1.25 (7m)	1.45 (7m)	3.10 (30m)	3.60 (30m)		
Additional Refrigerant	g/m	20		80	40			

Notes:

*1 MEPS compliant at part-load.

*2 Sound pressure level measured in anechoic room at 1m.

*3 With the optional air protection guide, the operation at -15°C outdoor temperature is possible.

Rating Conditions:

*4 Cooling: Indoor 27°C, D.B./19°C, W.B.
Outdoor 35°C, D.B./24°C, W.B.

*5 Heating: Indoor 20°C, D.B./15°C, W.B.
Outdoor 7°C, D.B./6°C, W.B.



PCA-M Series (Ceiling Suspended)											
Indoor Unit		PCA-M71KA	PCA-M100KA		PCA-M125KA		PCA-M140KA				
Outdoor Unit		PUZ-ZM71 VHA-A	PUZ-ZM 100VKA-A	PUZ-ZM 10YKA2-A	PUZ-ZM 125VKA-A	PUZ-ZM 125YKA-A	PUZ-ZM 140VKA-A	PUZ-ZM 140YKA-A			
Refrigerant		R32									
Power Supply (V, Phase, Hz)		V: 230V, Single-phase, 50Hz Y: 400V, Three-phase, 50Hz									
Cooling	Capacity [Min-Rated*4]-Max	kW	3.30 - 7.10 - 8.10	4.90 - 10.00 - 11.40	4.90 - 10.00 - 11.40	5.50 - 12.50 - 14.00	5.50 - 12.50 - 14.00	6.20 - 13.50 - 15.30	6.20 - 13.50 - 15.30		
	Total Input [Rated]*4	kW	1.82	2.55	2.55	3.77	3.77	4.15	4.15		
	AEER/EER		3.69/3.90	3.77/3.92	3.70/3.92	3.22/3.31	3.18/3.31	3.17/3.25	3.14/3.25		
	AEER [Part-Load %]*1		-				3.66	4.23	4.12		
	Running Current [Rated]*4	A	8.30	11.60	5.20	17.12	6.20	18.07	6.70		
	Sound Pressure Level*2	In (Lo-Mid-Hi)	dB(A)	35 - 37 - 39 - 41		37 - 39 - 41 - 43		39 - 41 - 43 - 45		41 - 43 - 45 - 48	
Out (PWL)		47 (67)		49 (69)	50 (70)	50 (70)	50 (70)	50 (70)	50 (70)		
Air Volume (In) Lo-Mid-Hi	L/S		267 - 283 - 300 - 333	367 - 400 - 433 - 467		383 - 417 - 450 - 483		400 - 433 - 483 - 533			
Heating	Capacity [Min-Rated*5]-Max	kW	3.50 - 8.00 - 10.20	4.50 - 11.20 - 14.00	4.50 - 11.20 - 14.00	5.00 - 14.00 - 16.00	5.00 - 14.00 - 16.00	5.70 - 16.00 - 18.00	5.70 - 16.00 - 18.00		
	Total Input [Rated]*5	kW	2.15	3.28	3.28	4.22	4.22	4.72	4.72		
	ACOP/COP		3.55/3.72	3.31/3.41	3.41/3.26	3.23/3.31	3.20/3.31	3.31/3.38	3.28/3.38		
	Running Current [Rated]*5	A	10.06	14.30	5.10	19.46	7.10	21.40	7.90		
	Sound Pressure Level*2	In (Lo-Mid-Hi)	dB(A)	35 - 37 - 39 - 41		37 - 39 - 41 - 43		39 - 41 - 43 - 45		41 - 43 - 45 - 48	
		Out (PWL)		51 (70)	51 (69)	51 (69)	52 (70)	52 (70)	52 (71)	52 (71)	
Air Volume (In) Lo-Mid-Hi	L/S		267 - 283 - 300 - 333	367 - 400 - 433 - 467		383 - 417 - 450 - 483		400 - 433 - 483 - 533			
Max. Running Current	A		19.42	28.15	12.15	28.26	12.26	29.40	12.40		
Indoor Unit	Input [Rated]	kW	0.06	0.09		0.11		0.14			
	Dimensions [HxWxD]	mm	230 x 1280 x 680		230 x 1600 x 680						
	Weight	kg	32.0	37.0		38.0		40.0			
Outdoor Unit	Dimensions [HxWxD]	mm	943 x 950 x 330 (+25)	1338 x 1050 x 330 (+40)							
	Weight	kg	70.0	113.0							
	Breaker Size	A	25	32	16	32	16	40	16		
Ext. Piping	Diameter [Liquid/Gas]	mm	ø9.52/ø15.88								
	Max. Length/Height	m	50/30	75/30							
Guaranteed Operating Range [Outdoor]	Cooling*3	°C	-5 (-15) ~ 52								
	Heating	°C	-20 ~ 21								
Pre-Charge Refrigerant	kg	2.8 (30m)	4.0 (30m)								
Additional Refrigerant	g/m	40									

Notes:

- *1 MEPS compliant at part-load.
- *2 Sound pressure level measured in anechoic room at 1m.
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