

A.3.1 SPECIFICATIONS

1. Power Inverter SERIES

Model Name	Indoor Unit			PCA-M50KA2	PCA-M60KA2	PCA-M71KA2	
	Outdoor Unit			SUZ-M50VAD-A	SUZ-M60VAD-A	SUZ-M71VAD-A	
Power Supply				Source	Outdoor power supply		
	Out			V	230		
				Phase	Single		
				Hz	50/60		
	In			V	-	-	
				Phase	-	-	
				Hz	-	-	
Refrigerant				R32			
Cooling	Capacity	Rated	kW	5.0	6.0	7.1	
		Max.	kW	6.0	6.5	8.1	
		Min.	kW	2.3	2.3	3.3	
	SHF	Rated		0.74	0.69	0.78	
	Total Input	Rated	kW	1.28	1.60	1.98	
	EER			3.90	3.75	3.58	
	AEER			3.84	3.68	3.53	
	AEER (Part-load %)			-	-	-	
Heating	Capacity	Rated	kW	6.0	7.0	8.0	
		Max.	kW	7.0	8.0	10.2	
		Min.	kW	1.7	2.8	3.5	
	Total Input	Rated	kW	1.65	1.72	2.24	
	COP			3.63	4.06	3.57	
	ACOP			3.59	4.00	3.52	
	ACOP (Part-load %)			-	-	-	
Operating Current(max)			A	13.9	15.5	15.6	
Indoor Unit	Input	Rated	kW	0.05	0.06	0.06	
	Operating Current(max)		A	0.37	0.39	0.42	
	Dimensions	Height	mm	230	230	230	
		Width	mm	960	1280	1280	
		Depth	mm	680	680	680	
	Weight		kg	26	32	32	
	Air Volume (Low-Mid2-Mid1-High)		m³/min. (L/S)	10-11-13-15 (167-183-217-250)	15-16-17-19 (250-267-283-317)	16-17-18-20 (267-283-300-333)	
	External Static Pressure		Pa	-	-	-	
	Sound Level(SPL) (Low-Mid2-Mid1-High)		dB(A)	32-34-37-40	33-35-37-40	35-37-39-41	
Outdoor Unit	Dimensions		Height	mm	714	880	
			Width	mm	800	840	
			Depth	mm	285	330	
	Weight		kg	41	54	55	
	Air Volume	Cooling	Rated	m³/min.	763	835	
		Heating	Rated	m³/min.	728	835	
	Sound Level (SPL)	Cooling	Rated	dB(A)	48	49	
		Heating	Rated	dB(A)	49	51	51
	Sound Level (PWL)	Cooling	Rated	dB(A)	64	65	66
		Heating	Rated	dB(A)	66	68	
	Operating Current(max)			A	13.5	14.8	14.8
	Breaker Size			A	20	20	20
Ext. Piping	Diameter	Liquid		mm	6.35		9.52
		Gas		mm	12.7	15.88	
	Max. Length Max. Height	Out-In		m	30		
		Out-In	Below Indoor	m	30		
			Above Indoor	m	30		
Guranteed Operation Range	Out	Cooling	Upper Limit.	°C	+52		
			Lower Limit.	°C	-15		
		Heating	Upper Limit.	°C	+24		
			Lower Limit.	°C	-10		

* Optional air protection guide is required where ambient temperature is lower than -5°C.

Model Name	Indoor Unit			PCA-M100KA2	PCA-M125KA2	
	Outdoor Unit			PUZ-M100VKA-A	PUZ-M125VKA-A	
Power Supply				Source	Outdoor power supply	
	Out			V	230	
				Phase	Single	
				Hz	50/60	
	In			V	-	
				Phase	-	
				Hz	-	
Refrigerant				R32		
Cooling	Capacity	Rated	kW	10.0	11.5	
		Max.	kW	10.6	13.0	
		Min.	kW	4.0	5.7	
	SHF	Rated			0.75	0.72
	Total Input	Rated	kW	2.97	3.60	
	EER			3.36	3.19	
	AEER			3.26	3.11	
	AEER (Part-load %)			-		
Heating	Capacity	Rated	kW	11.2	14.0	
		Max.	kW	12.5	15.0	
		Min.	kW	2.8	4.1	
	Total Input	Rated	kW	3.38	4.35	
	COP			3.31	3.21	
	ACOP			3.22	3.15	
	ACOP (Part-load %)			-		
Operating Current(max)			A	20.7	27.3	
Indoor Unit	Input	Rated	kW	0.09	0.11	
		Operating Current(max)			A	0.65
	Dimensions	Height	mm	230		
		Width	mm	1,600		
		Depth	mm	680		
	Weight		kg	37	38	
	Air Volume (Low-Mid2-Mid1-High)		m³/min. (L/S)	22-24-26-28 (367-400-433-467)	23-25-27-29 (383-417-450-483)	
	External Static Pressure		Pa	-		
	Sound Level(SPL) (Low-Mid2-Mid1-High)		dB(A)	37-39-41-43	39-41-43-45	
	Outdoor Unit	Dimensions	Height	mm	981	
Width			mm	1,050		
Depth			mm	330(+40)		
Weight		kg	113			
Air Volume		Cooling	Rated	m³/min.	79	86
		Heating	Rated	m³/min.	79	86
Sound Level (SPL)		Cooling	Rated	dB(A)	52	54
		Heating	Rated	dB(A)	54	56
Sound Level (PWL)		Cooling	Rated	dB(A)	71	72
		Heating	Rated	dB(A)	72	74
Operating Current(max)		A	20.0	26.5		
Breaker Size		A	32			
Ext. Piping	Diameter	Liquid	mm	9.52		
		Gas	mm	15.88		
	Max. Length	Out-In	m	55		
	Max. Height	Out-In	Below Indoor	m	30	
		Out-In	Above Indoor	m	30	
Guranteed Operation Range	Out	Cooling	Upper Limit.	°C	+46	
			Lower Limit.	°C	-15	
		Heating	Upper Limit.	°C	+21	
			Lower Limit.	°C	-15	

* Optional air protection guide is required where ambient temperature is lower than -5°C.

Model Name	Indoor Unit			PCA-M71KA2	PCA-M100KA2	PCA-M125KA2	PCA-M140KA2	
	Outdoor Unit			PUZ-ZM71VHA2-A	PUZ-ZM100VKA2-A	PUZ-ZM125VKA2-A	PUZ-ZM140VKA2-A	
Power Supply				Source	Outdoor power supply			
	Out			V	230			
				Phase	Single			
				Hz	50/60			
	In			V	-			
				Phase	-			
				Hz	-			
Refrigerant				R32				
Cooling	Capacity	Rated	kW	7.1	10.0	12.5	13.5	
		Max.	kW	8.1	11.4	14.0	15.3	
		Min.	kW	3.3	4.9	5.5	6.2	
	SHF	Rated		0.76	0.78	0.73	0.72	
	Total Input	Rated	kW	1.82	2.55	3.77	4.15	
	EER			3.90	3.92	3.31	3.25	
	AEER			3.75	3.77	3.22	3.17	
	AEER (Part-load %)			-	-	-	4.41	
Heating	Capacity	Rated	kW	8.0	11.2	14.0	16.0	
		Max.	kW	10.2	14.0	16.0	18.0	
		Min.	kW	3.5	4.5	5.0	5.7	
	Total Input	Rated	kW	2.15	3.28	4.22	4.72	
	COP			3.72	3.41	3.31	3.38	
	ACOP			3.60	3.31	3.24	3.31	
	ACOP (Part-load %)			-	-	-	-	
Operating Current(max)			A	19.42	28.15	28.26	28.90	
Indoor Unit	Input	Rated	kW	0.06	0.09	0.11	0.14	
	Operating Current(max)			A	0.42	0.65	0.76	0.90
	Dimensions	Height	mm	230				
		Width	mm	1,280	1,600			
		Depth	mm	680				
	Weight		kg	32	37	38	40	
	Air Volume (Low-Mid2-Mid1-High)		m³/min. (L/S)	16-17-18-20 (267-283-300-333)	22-24-26-28 (367-400-433-467)	23-25-27-29 (383-417-450-483)	24-26-29-32 (400-433-483-533)	
	External Static Pressure		Pa	-				
	Sound Level(SPL) (Low-Mid2-Mid1-High)		dB(A)	35-37-39-41	37-39-41-43	39-41-43-45	41-43-45-48	
	Outdoor Unit	Dimensions	Height	mm	943	1,338		
			Width	mm	950	1,050		
		Depth	mm	330(+25)	330(+40)			
Outdoor Unit	Weight		kg	70	114			
	Air Volume	Cooling	Rated	m³/min.	55	110	120	
		Heating	Rated	m³/min.	55	110	120	
	Sound Level (SPL)	Cooling	Rated	dB(A)	47	49	50	
		Heating	Rated	dB(A)	51		52	
	Sound Level (PWL)	Cooling	Rated	dB(A)	67	69	70	
		Heating	Rated	dB(A)	70	69	70	
	Operating Current(max)		A	19.0	27.5	28.0		
	Breaker Size		A	25	32	40		
	Ext. Piping	Diameter	Liquid	mm	9.52			
Gas			mm	15.88				
Max. Length		Out-In	m	50	75			
Max. Height		Out-In	Below Indoor	m	30			
		Above Indoor	m	30				
Guranteed Operation Range	Out	Cooling	Upper Limit.	°C	+52			
			Lower Limit.	°C	-15			
	Heating	Upper Limit.	°C	+21				
		Lower Limit.	°C	-20				

* Optional air protection guide is required where ambient temperature is lower than -5°C.

Model Name	Indoor Unit			PCA-M100KA2		PCA-M125KA2		PCA-M140KA2		
	Outdoor Unit			PUZ-ZM100YKA3-A		PUZ-ZM125YKA2-A		PUZ-ZM140YKA2-A		
Power Supply				Source		Outdoor power supply				
	Out			V		400				
				Phase		Three				
				Hz		50/60				
	In			V		-				
				Phase		-				
				Hz		-				
Refrigerant				R32						
Cooling	Capacity	Rated		kW	10.0	12.5	13.5			
		Max.		kW	11.4	14.0	15.3			
		Min.		kW	4.9	5.5	6.2			
	SHF	Rated			0.78	0.73	0.72			
	Total Input	Rated		kW	2.55	3.77	4.15			
	EER				3.92	3.31	3.25			
	AEER				3.75	3.21	3.16			
	AEER (Part-load %)				-	4.51	4.37			
Heating	Capacity	Rated		kW	11.2	14.0	16.0			
		Max.		kW	14.0	16.0	18.0			
		Min.		kW	4.5	5.0	5.7			
	Total Input	Rated		kW	3.28	4.22	4.72			
	COP				3.41	3.31	3.38			
	ACOP				3.30	3.23	3.31			
	ACOP (Part-load %)				-	-	-			
	Operating Current(max)				A	12.15	12.26	12.40		
Indoor Unit	Input	Rated		kW	0.09	0.11	0.14			
	Operating Current(max)			A	0.65	0.76	0.90			
	Dimensions		Height	mm	230					
			Width	mm	1,600					
			Depth	mm	680					
	Weight			kg	37	38	40			
	Air Volume (Low-Mid2-Mid1-High)			m³/min. (L/S)	22-24-26-28 (367-400-433-467)	23-25-27-29 (383-417-450-483)	24-26-29-32 (400-433-483-533)			
	External Static Pressure			Pa	-	-	-			
	Sound Level(SPL) (Low-Mid2-Mid1-High)			dB(A)	37-39-41-43	39-41-43-45	41-43-45-48			
	Outdoor Unit	Dimensions		Height	mm	1,338				
Width				mm	1,050					
Depth				mm	330(+40)					
Weight			kg	114	116					
Air Volume		Cooling	Rated	m³/min.	110	120				
		Heating	Rated	m³/min.	110	120				
Sound Level (SPL)		Cooling	Rated	dB(A)	49	50				
		Heating	Rated	dB(A)	51	52				
Sound Level (PWL)		Cooling	Rated	dB(A)	69	70				
		Heating	Rated	dB(A)	69	70	71			
Operating Current(max)			A	27.5	11.5					
Breaker Size			A	32	16					
Ext. Piping	Diameter	Liquid		mm	9.52					
		Gas		mm	15.88					
	Max. Length Max. Height	Out-In		m	75					
		Out-In	Below Indoor	m	30					
			Above Indoor	m	30					
			Guranteed Operation Range	Out	Cooling	Upper Limit.	°C	+52		
Lower Limit.	°C	-15								
Heating	Upper Limit.	°C			+21					
	Lower Limit.	°C			-20					

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