

PCZ-RP KA SERIES

POWER INVERTER



Type				Inverter Heat Pump							
Indoor Unit				PCA-RP50KA	PCA-RP60KA	PCA-RP71KA	PCA-RP100KA	PCA-RP125KA	PCA-RP140KA		
Outdoor Unit				PUHZ-RP50VHA4	PUHZ-RP60VHA4	PUHZ-RP71VHA4	PUHZ-RP100VKA	PUHZ-RP100YKA	PUHZ-RP125VKA	PUHZ-RP125YKA	PUHZ-RP140VKA
Power Supply	Source	Outdoor power supply									
	Outdoor (V/Phase/Hz)	VHA • VKA:230 / Single / 50, YKA:400 / Three / 50									
	Indoor (V/Phase/Hz)	-									
Cooling	Capacity	Rated	kW	5.0	6.0	7.1	10.0	10.0	12.5	12.5	14.0
		Min - Max	kW	2.3 - 5.6	2.7 - 6.7	3.3 - 8.1	4.9 - 11.4	4.9 - 11.4	5.5 - 14.0	5.5 - 14.0	6.2 - 15.3
	Total Input	Rated	kW	1.560	1.500	1.960	2.630	2.630	3.880	3.880	4.360
	EER			3.21	4.00	3.62	3.80	3.80	3.22	3.22	3.21
	EEL Rank			A	A	A	A	A	A	A	A
Heating	Capacity	Rated	kW	5.5	7.0	8.0	11.2	11.2	14.0	14.0	16.0
		Min - Max	kW	2.5 - 6.6	2.8 - 8.2	3.5 - 10.2	4.5 - 14.0	4.5 - 14.0	5.0 - 16.0	5.0 - 16.0	5.7 - 18.0
	Total Input	Rated	kW	1.520	1.940	2.210	3.020	3.020	3.880	3.880	4.430
	COP			3.62	3.61	3.62	3.71	3.71	3.61	3.61	3.61
	EEL Rank			A	A	A	A	A	A	A	A
Operating Current (max)				13.4	19.4	19.4	27.2	8.7	27.3	10.3	28.9
Indoor Unit	Input	Rated	kW	0.050	0.060	0.060	0.090	0.090	0.110	0.110	0.140
	Operating Current (max)		A	0.37	0.39	0.42	0.65	0.65	0.76	0.76	0.90
	Dimensions	H x W x D	mm	230 - 960 - 680	230 - 1280 - 680	230 - 1280 - 680	230 - 1600 - 680	230 - 1600 - 680	230 - 1600 - 680	230 - 1600 - 680	230 - 1600 - 680
	Weight		kg	25	32	32	36	36	38	38	39
	Air Volume (Lo-Mi2-Mi-Hi)		m³/min	10 - 11 - 13 - 15	15 - 16 - 17 - 19	16 - 17 - 18 - 20	22 - 24 - 26 - 28	22 - 24 - 26 - 28	23 - 25 - 27 - 29	23 - 25 - 27 - 29	24 - 26 - 29 - 32
	External Static Pressure		Pa	-	-	-	-	-	-	-	-
	Sound Level (Lo-Mi2-Mi-Hi)		dB(A)	32 - 34 - 37 - 40	33 - 35 - 37 - 40	35 - 37 - 39 - 41	37 - 39 - 41 - 43	37 - 39 - 41 - 43	39 - 41 - 43 - 45	39 - 41 - 43 - 45	41 - 43 - 45 - 48
	Breaker Size		A	-	-	-	-	-	-	-	-
	Dimensions	H x W x D	mm	600 - 800 - 300(+23)	943 - 950 - 330(+30)	943 - 950 - 330(+30)	1338 - 1050 - 330(+30)	1338 - 1050 - 330(+30)	1338 - 1050 - 330(+30)	1338 - 1050 - 330(+30)	1338 - 1050 - 330(+30)
	Weight		kg	42	67	67	116	124	116	126	118
Outdoor Unit	Air Volume	Cooling	Rated m³/min	35.0	60.0	60.0	110.0	110.0	120.0	120.0	132.0
		Heating	Rated m³/min	35.0	60.0	60.0	110.0	110.0	120.0	120.0	120.0
	Sound Level	Cooling - Silent	Rated dB(A)	44 - 41	47 - 44	47 - 44	49 - 46	49 - 46	50 - 47	50 - 47	50 - 47
		Heating	Rated dB(A)	46	48	48	51	51	52	52	52
	Operating Current (max)		A	13.0	19.0	19.0	26.5	8.0	26.5	9.5	28.0
	Breaker Size		A	16	25	25	32	16	32	16	40
	Ext. Piping	Diameter	Liquid / Gas	mm	6.35 / 12.7			9.52 / 15.88			16
		Max. Length	Out-In	m	50	50	75	75	75	75	75
		Max. Height	Out-In	m	30	30	30	30	30	30	30
	Guaranteed Operating Range [Outdoor]	Cooling*	°C	-5 ~ +46							
				Heating	°C	-11 ~ +21					

* With the optional Air Protection Guide, Operation at outdoor temperatures as low as -15°C is possible.

PCZ-P KA SERIES

STANDARD INVERTER



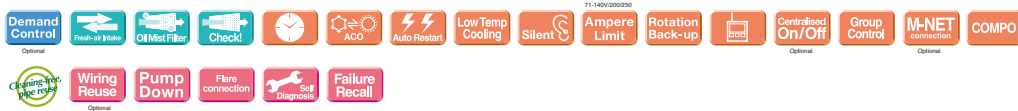
Type				Inverter Heat Pump							
Indoor Unit				PCA-RP50KA	PCA-RP60KA	PCA-RP71KA	PCA-RP100KA	PCA-RP125KA	PCA-RP140KA		
Outdoor Unit				SUZ-KA50VA	SUZ-KA60KA	SUZ-KA71VA	PUHZ-P100VHA3	PUHZ-P100YHA ^{*2}	PUHZ-P125VHA3	PUHZ-P125YHA ^{*2}	PUHZ-P140VHA3
Power Supply	Source	Outdoor power supply									
	Outdoor (V/Phase/Hz)	KA • VHA:230 / Single / 50, YHA:400 / Three / 50									
	Indoor (V/Phase/Hz)	-									
Cooling	Capacity	Rated	kW	5.0	5.7	7.1	9.4	9.4	12.3	12.3	13.6
		Min - Max	kW	1.1 - 5.6	1.1 - 6.3	0.9 - 8.1	4.9 - 11.2	4.9 - 11.2	5.5 - 14.0	5.5 - 14.0	5.5 - 15.0
	Total Input	Rated	kW	1.660	1.770	2.210	3.130	3.130	4.090	4.090	4.840
	EER			3.01	3.22	3.21	3.00	3.00	3.01	3.01	2.81
	EEL Rank			B	A	A	C	C	B	B	C
Heating	Capacity	Rated	kW	5.5	6.9	7.9	11.2	11.2	14.0	14.0	16.0
		Min - Max	kW	0.9 - 6.6	0.9 - 8.0	0.9 - 10.2	4.5 - 12.5	4.5 - 12.5	5.0 - 16.0	5.0 - 16.0	5.0 - 18.0
	Total Input	Rated	kW	1.710	2.020	2.320	3.280	3.280	4.120	4.120	4.690
	COP			3.22	3.42	3.41	3.41	3.41	3.40	3.40	3.41
	EEL Rank			C	B	B	B	B	C	C	B
Operating Current (max)				16.4	16.4	16.4	28.7	13.7	28.8	13.8	30.4
Indoor Unit	Input	Rated	kW	0.050	0.060	0.060	0.090	0.090	0.110	0.110	0.140
	Operating Current (max)		A	0.37	0.39	0.42	0.65	0.65	0.76	0.76	0.90
	Dimensions	H x W x D	mm	230 - 960 - 680	230 - 1280 - 680	230 - 1280 - 680	230 - 1600 - 680	230 - 1600 - 680	230 - 1600 - 680	230 - 1600 - 680	230 - 1600 - 680
	Weight		kg	25	32	32	36	36	38	38	39
	Air Volume (Lo-Mi2-Mi-Hi)		m³/min	10 - 11 - 13 - 15	15 - 16 - 17 - 19	16 - 17 - 18 - 20	22 - 24 - 26 - 28	22 - 24 - 26 - 28	23 - 25 - 27 - 29	23 - 25 - 27 - 29	24 - 26 - 29 - 32
	External Static Pressure		Pa	-	-	-	-	-	-	-	-
	Sound Level (Lo-Mi2-Mi-Hi)		dB(A)	32 - 34 - 37 - 40	33 - 35 - 37 - 40	35 - 37 - 39 - 41	37 - 39 - 41 - 43	37 - 39 - 41 - 43	39 - 41 - 43 - 45	39 - 41 - 43 - 45	41 - 43 - 45 - 48
	Breaker Size		A	-	-	-	-	-	-	-	-
	Dimensions	H x W x D	mm	850 - 840 - 330	850 - 840 - 330	850 - 840 - 330	943 - 950 - 330	943 - 950 - 330	1350 - 950 - 330	1350 - 950 - 330	1350 - 950 - 330
	Weight		kg	53	53	58	75	77	99	101	101
Outdoor Unit	Air Volume	Cooling	Rated m³/min	49.0	49.0	49.0	60.0	60.0	100.0	100.0	100.0
		Heating	Rated m³/min	49.0	49.0	49.0	60.0	60.0	100.0	100.0	100.0
	Sound Level	Cooling - Silent	Rated dB(A)	53	53	53	50 - 47	50 - 47	51 - 48	51 - 48	52 - 49
		Heating	Rated dB(A)	55	55	55	54	54	55	55	56
	Operating Current (max)		A	16.0	16.0	16.0	28.0	13.0	28.0	13.0	29.5
	Breaker Size		A	20	20	20	32	16	32	16	40
	Ext. Piping	Diameter	Liquid / Gas	mm	6.35 / 12.7	6.35 / 15.88	9.52 / 15.88	9.52 / 15.88	9.52 / 15.88	9.52 / 15.88	9.52 / 15.88
		Max. Length	Out-In	m	30	30	30	50	50	50	50
		Max. Height	Out-In	m	30	30	30	30	30	30	30
	Guaranteed Operating Range [Outdoor]	Cooling	°C	-15 ~ +43							
				Heating	°C	-10 ~ +24					

*1 With the optional Air Protection Guide, Operation at outdoor temperatures as low as -15°C is possible.

*2 PUHZ-P-YHA is designed for commercial and light-industrial applications.

PCZ-RP HA SERIES

POWER INVERTER

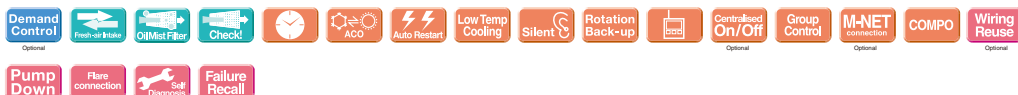


Type				Inverter Heat Pump			
Indoor Unit				PCA-RP71HA		PCA-RP125HA	
Outdoor Unit				PUHZ-RP71VHA4		PUHZ-RP125VKA	
Power Supply	Source			Outdoor power supply			
	Outdoor (V/Phase/Hz)			VHA:230 / Single / 50, YKA:400 / Three / 50			
	Indoor (V/Phase/Hz)			-			
Cooling	Capacity	Rated	kW	7.1	12.5	12.5	
		Min - Max	kW	3.3 - 8.1	5.5 - 14.0	5.5 - 14.0	
	Total Input	Rated	kW	2.210	3.880	3.880	
	EER			3.21	3.22	3.22	
		EEL Rank		A	A	A	
Heating	Capacity	Rated	kW	7.6	13.8	13.8	
		Min - Max	kW	3.5 - 10.2	5.0 - 16.0	5.0 - 16.0	
	Total Input	Rated	kW	2.230	4.050	4.050	
	COP			3.41	3.41	3.41	
		EEL Rank		B	B	B	
Operating Current (max)				19.4	27.7	10.7	
Indoor Unit	Input	Rated	kW	0.090	0.260	0.260	
	Operating Current (max)		A	0.43	1.19	1.19	
	Dimensions	H x W x D		mm	280 - 1136 - 650	280 - 1520 - 650	
	Weight			kg	41	56	
	Air Volume [Lo-Hi]			m³/min	17.0 - 19.0	30.0 - 38.0	
	External Static Pressure		Pa	-	-	-	
	Sound Level [Lo-Hi]		dB(A)	34 - 38	44 - 50	44 - 50	
	Breaker Size		A	-	-	-	
Outdoor Unit	Dimensions	H x W x D		mm	943 - 950 - 330(+30)	1338 - 1050 - 330 (+30)	
	Weight			kg	67	116	
	Air Volume	Cooling	Rated	m³/min	60.0	120.0	
		Heating	Rated	m³/min	60.0	120.0	
	Sound Level	Cooling - Silent	Rated	dB(A)	47 - 44	50 - 47	
		Heating	Rated	dB(A)	48	52	
	Operating Current (max)		A	19.0	26.5	9.5	
	Breaker Size		A	25	32	16	
Ext. Piping	Diameter	Liquid / Gas		mm	9.52 / 15.88	9.52 / 15.88	
	Max. Length	Out-In		m	50	75	
	Max. Height	Out-In		m	30	30	
Guaranteed Operating Range [Outdoor]		Cooling *	°C	-5 ~ +46			
		Heating	°C	-20 ~ +21			

* With the optional Air Protection Guide, Operation at outdoor temperatures as low as -15°C is possible.

PCZ-P HA SERIES

STANDARD INVERTER



Type				Inverter Heat Pump				
Indoor Unit				PCA-RP125HA				
Outdoor Unit				PUHZ-P125VHA3		PUHZ-P125YHA** ²		
Power Supply	Source			Outdoor power supply				
	Outdoor (V/Phase/Hz)			230 / Single / 50		400 / Three / 50		
	Indoor (V/Phase/Hz)			—		—		
Cooling	Capacity	Rated	kW	12.3		12.3		
		Min - Max	kW	5.5 - 14.0		5.5 - 14.0		
	Total Input	Rated	kW	4.380		4.380		
	EER			2.81		2.81		
		EEL Rank			C		C	
Heating	Capacity	Rated	kW	13.8		13.8		
		Min - Max	kW	5.0 - 16.0		5.0 - 16.0		
	Total Input	Rated	kW	4.300		4.300		
	COP			3.21		3.21		
		EEL Rank			C		C	
Operating Current (max)				29.2		14.2		
Indoor Unit	Input	Rated	kW	0.260		0.260		
	Operating Current (max)		A	1.19		1.19		
	Dimensions	H x W x D		mm	280 - 1520 - 650		280 - 1520 - 650	
	Weight			kg	56		56	
	Air Volume [Lo-Hi]			m³/min	30.0 - 38.0		30.0 - 38.0	
	External Static Pressure		Pa	—		—		
	Sound Level [Lo-Hi]			dB(A)	44 - 50		44 - 50	
	Breaker Size			A	—		—	
Outdoor Unit	Dimensions	H x W x D		mm	1350 - 950 - 330(+30)		1350 - 950 - 330(+30)	
	Weight			kg	99		101	
	Air Volume	Cooling	Rated	m³/min	100.0		100.0	
		Heating	Rated	m³/min	100.0		100.0	
	Sound Level	Cooling - Silent	Rated	dB(A)	51 - 48		51 - 48	
		Heating	Rated	dB(A)	55		55	
	Operating Current (max)		A	28.0		13.0		
	Breaker Size		A	32		16		
Ext. Piping	Diameter	Liquid / Gas		mm	9.52 / 15.88		9.52 / 15.88	
	Max. Length	Out-In		m	50		50	
	Max. Height	Out-In		m	30		30	
Guaranteed Operating Range [Outdoor]		Cooling** ¹	°C	-5 ~ +46		-5 ~ +46		
		Heating	°C	-15 ~ +21		-15 ~ +21		

*1 With the optional Air Protection Guide, Operation at outdoor temperatures as low as -15°C is possible.

*2 PUHZ-P-YHA is designed for commercial and light-industrial applications.