PCZ-RP KA SERIES

POWER INVERTER

Demand Control (Optional, 60-140V/200/250) · Pure White · AUTO VANE · Fresh-air Intake · High-efficiency (Optional) · Long Life · Check! · SWING · High Ceiling · Low Ceiling · AUTO · ACO · Auto Restart · Low Temp Cooling · Silent · Ampere Limit · Rotation Back-up · Centralised On/Off (Optional) · Group Control · M-NET connection (Optional) · COMPO · MXZ connection · Cleaning-free pipe reuse · Wiring Reuse (Optional) · Drain Lift Up (Optional) · Pump Down · Flare connection · Self Diagnosis · Failure Recall

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	PUHZ-RP140YKA
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	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	6.2 - 15.3
	Total Input	Rated		kW	1.560	1.500	1.960	2.630	2.630	3.880	3.880	4.360	4.360
	EER				3.21	4.00	3.62	3.80	3.80	3.22	3.22	3.21	3.21
		EEL Rank			A	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	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	5.7 - 18.0
	Total Input	Rated		kW	1.520	1.940	2.210	3.020	3.020	3.880	3.880	4.430	4.430
	COP				3.62	3.61	3.62	3.71	3.71	3.61	3.61	3.61	3.61
		EEL Rank			A	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	11.9
Indoor Unit	Input	Rated		kW	0.050	0.060	0.060	0.090	0.090	0.110	0.110	0.140	0.140
	Operating Current (max)			A	0.37	0.39	0.42	0.65	0.65	0.76	0.76	0.90	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	230 - 1600 - 680
	Weight			kg	25	32	32	36	36	38	38	39	39
	Air Volume [Lo-Mi2-Mi-Hi]			m^3/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	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	41 - 43 - 45 - 48
	Breaker Size			A	–	–	–	–	–	–	–	–	–
Outdoor Unit	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)	1338 - 1050 - 330(+30)
	Weight			kg	42	67	67	116	124	116	126	118	132
	Air Volume	Cooling	Rated	m^3/min	35.0	60.0	60.0	110.0	110.0	120.0	120.0	120.0	120.0
		Heating	Rated	m^3/min	35.0	60.0	60.0	110.0	110.0	120.0	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	50 - 47
		Heating	Rated	dB(A)	46	48	48	51	51	52	52	52	52
	Operating Current (max)			A	13.0	19.0	19.0	26.5	8.0	26.5	9.5	28.0	11.0
	Breaker Size			A	16	25	25	32	16	32	16	40	16
Ext. Piping	Diameter	Liquid / Gas		mm	6.35 / 12.7	9.52 / 15.88							
	Max. Length	Out-In		m	50	50	50	75	75	75	75	75	75
	Max. Height	Out-In		m	30	30	30	30	30	30	30	30	30
Guaranteed Operating Range [Outdoor]		Cooling*		℃	-5 ~ +46								
		Heating		℃	-11 ~ +21	-20 ~ +21							

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

PCZ-P KA SERIES

STANDARD INVERTER

Demand Control (PUHZ, Optional) · Pure White · AUTO VANE · Fresh-air Intake · High-efficiency (Optional) · Long Life · Check! · SWING · High Ceiling · Low Ceiling · AUTO · ACO · Auto Restart · Low Temp Cooling · Silent (PUHZ) · Rotation Back-up · Centralised On/Off (Optional) · Group Control (PUHZ) · Group Control (SUZ, Optional) · M-NET connection (Optional) · COMPO (PUHZ) · MXZ connection · Wiring Reuse (PUHZ, Optional) · Drain Lift Up (Optional) · Pump Down (PUHZ) · Flare connection · Self Diagnosis · Failure Recall

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	PUHZ-P140YHA*2
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	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	5.5 - 15.0
	Total Input	Rated		kW	1.660	1.770	2.210	3.130	3.130	4.090	4.090	4.840	4.840
	EER				3.01	3.22	3.21	3.00	3.00	3.01	3.01	2.81	2.81
		EEL Rank			B	A	A	C	C	B	B	C	C
Heating	Capacity	Rated		kW	5.5	6.9	7.9	11.2	11.2	14.0	14.0	16.0	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	5.0 - 18.0
	Total Input	Rated		kW	1.710	2.020	2.320	3.280	3.280	4.120	4.120	4.690	4.690
	COP				3.22	3.42	3.41	3.41	3.41	3.40	3.40	3.41	3.41
		EEL Rank			C	B	B	B	B	C	C	B	B
Operating Current (max)					16.4	16.4	16.4	28.7	13.7	28.8	13.8	30.4	13.9
Indoor Unit	Input	Rated		kW	0.050	0.060	0.060	0.090	0.090	0.110	0.110	0.140	0.140
	Operating Current (max)			A	0.37	0.39	0.42	0.65	0.65	0.76	0.76	0.90	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	230 - 1600 - 680
	Weight			kg	25	32	32	36	36	38	38	39	39
	Air Volume [Lo-Mi2-Mi-Hi]			m^3/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	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	41 - 43 - 45 - 48
	Breaker Size			A	–	–	–	–	–	–	–	–	–
Outdoor Unit	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	1350 - 950 - 330
	Weight			kg	53	53	58	75	77	99	101	99	101
	Air Volume	Cooling	Rated	m^3/min	49.0	49.0	49.0	60.0	60.0	100.0	100.0	100.0	100.0
		Heating	Rated	m^3/min	49.0	49.0	49.0	60.0	60.0	100.0	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	52 - 49
		Heating	Rated	dB(A)	55	55	55	54	54	55	55	56	56
	Operating Current (max)			A	16.0	16.0	16.0	28.0	13.0	28.0	13.0	29.5	13.0
	Breaker Size			A	20	20	20	32	16	32	16	40	16
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	9.52 / 15.88	9.52 / 15.88
	Max. Length	Out-In		m	30	30	30	50	50	50	50	50	50
	Max. Height	Out-In		m	30	30	30	30	30	30	30	30	30
Guaranteed Operating Range [Outdoor]		Cooling		℃	-15 ~ +43	-15 ~ +43	-15 ~ +43	-5 ~ +46*1	-5 ~ +46*1	-5 ~ +46*1	-5 ~ +46*1	-5 ~ +46*1	-5 ~ +46*1
		Heating		℃	-10 ~ +24	-10 ~ +24	-10 ~ +24	-15 ~ +21	-15 ~ +21	-15 ~ +21	-15 ~ +21	-15 ~ +21	-15 ~ +21

*1 With the optional Air Protection Guide, Operation at outdoor temperatures as low as -15℃ is possible.
*2 PUHZ-P·YHA is designed for commercial and light-industrial applications.

PCZ-RP HA SERIES

POWER INVERTER

Demand Control (Optional) | Fresh-air Intake | Oil Mist Filter | Check! | ACO | Auto Restart | Low Temp Cooling | Silent | Ampere Limit (71-140V/200/250) | Rotation Back-up | Centralised On/Off (Optional) | Group Control | M-NET connection (Optional) | COMPO | Cleaning free pipe route | Wiring Reuse (Optional) | Pump Down | Flare connection | Self Diagnosis | Failure Recall

Type					Inverter Heat Pump		
Indoor Unit					PCA-RP71HA	PCA-RP125HA	
Outdoor Unit					PUHZ-RP71VHA4	PUHZ-RP125VKA	PUHZ-RP125YKA
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	280 - 1520 - 650
	Weight			kg	41	56	56
	Air Volume [Lo-Hi]			m^3/min	17.0 - 19.0	30.0 - 38.0	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)	1338 - 1050 - 330(+30)
	Weight			kg	67	116	126
	Air Volume	Cooling	Rated	m^3/min	60.0	120.0	120.0
		Heating	Rated	m^3/min	60.0	120.0	120.0
	Sound Level	Cooling - Silent	Rated	dB(A)	47 - 44	50 - 47	50 - 47
		Heating	Rated	dB(A)	48	52	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	9.52 / 15.88
	Max. Length	Out-In		m	50	75	75
	Max. Height	Out-In		m	30	30	30
Guaranteed Operating Range [Outdoor]		Cooling *		℃	-5 ~ +46		
		Heating		℃	-20 ~ +21		

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

PCZ-P HA SERIES

STANDARD INVERTER

Demand Control (Optional) | Fresh-air Intake | Oil Mist Filter | Check! | ACO | Auto Restart | Low Temp Cooling | Silent | Rotation Back-up | Centralised On/Off (Optional) | Group Control | M-NET connection (Optional) | COMPO | Wiring Reuse (Optional) | Pump Down | Flare connection | Self Diagnosis | Failure Recall

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]			m^3/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	m^3/min	100.0	100.0
		Heating	Rated	m^3/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		℃	-5 ~ +46	-5 ~ +46
		Heating		℃	-15 ~ +21	-15 ~ +21

*1 With the optional Air Protection Guide, Operation at outdoor temperatures as low as -15℃ is possible.
*2 PUHZ-P·YHA is designed for commercial and light-industrial applications.