

PCA-M KA SERIES

POWER INVERTER



Type			Outdoor power supply									
Indoor Unit			PCA-M35KA3	PCA-M50KA3	PCA-M60KA3	PCA-M71KA3	PCA-M100KA3	PCA-M100KA3	PCA-M125KA3	PCA-M125KA3	PCA-M140KA3	PCA-M140KA3
Outdoor Unit			PUZ-ZM35VKA3	PUZ-ZM50VKA3	PUZ-ZM60VHA3	PUZ-ZM71VHA3	PUZ-ZM100VDA2	PUZ-ZM100VDA2	PUZ-ZM125VDA2	PUZ-ZM125VDA2	PUZ-ZM140VDA2	PUZ-ZM140VDA2
Refrigerant ⁽¹⁾			R32									
Power Supply			230/Single/50									
Cooling	Capacity		Rated	kW	3.6	5.0	6.1	7.1	9.5	9.5	12.5	12.5
			Min-Max	kW	1.6 - 4.5	2.3 - 5.6	2.7 - 6.7	3.3 - 8.1	4.9 - 11.4	4.9 - 11.4	5.1 - 14.0	5.1 - 14.0
	Total Input		Rated	kW	0.830	1.250	1.522	1.830	2.375	2.375	3.788	3.788
	EER				4.34	4.00	4.01	3.88	4.00	4.00	3.30	3.30
	Design load			kW	3.6	5.0	6.1	7.1	9.5	9.5	12.5	12.5
	Annual electricity consumption ⁽²⁾			kWh/a	197	260	328	371	517	528	1174	1180
	SEER ⁽⁴⁾				6.4	6.7	6.5	6.7	6.4	6.2	6.39	6.35
Heating	Energy efficiency class				A++	A++	A++	A++	A++	A++	A++	A++
	ηsc		%		—	—	—	—	—	—	252.6%	251.1%
	Capacity		Rated	kW	4.1	5.5	7.0	8.0	11.2	11.2	14.0	14.0
			Min-Max	kW	1.6 - 5.2	2.5 - 6.6	2.8 - 8.2	3.5 - 10.2	2.7 - 14.0	2.7 - 14.0	3.2 - 16.0	3.2 - 16.0
	Total Input		Rated	kW	1.020	1.362	1.746	2.157	3.112	3.112	4.243	4.243
	COP				4.02	4.04	4.01	3.71	3.60	3.60	3.30	3.30
	Design load			kW	2.7	3.8	4.4	4.7	7.8	7.8	9.3	9.3
Operating	Declared Capacity		at reference design temperature	kW	2.7 (-10°C)	3.8 (-10°C)	4.4 (-10°C)	4.7 (-10°C)	7.8 (-10°C)	7.8 (-10°C)	9.3 (-10°C)	9.3 (-10°C)
			at bivalent temperature	kW	2.7 (-10°C)	3.8 (-10°C)	4.4 (-10°C)	4.7 (-10°C)	7.8 (-10°C)	7.8 (-10°C)	9.3 (-10°C)	9.3 (-10°C)
			at operation limit temperature	kW	2.2 (-11°C)	3.7 (-11°C)	2.8 (-20°C)	3.4 (-20°C)	5.8 (-20°C)	5.8 (-20°C)	7.0 (-20°C)	7.0 (-20°C)
	Back up heating capacity			kW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Annual electricity consumption ⁽²⁾			kWh/a	936	1266	1501	1567	2523	2524	3002	3003
	SCOP ⁽⁴⁾				4.0	4.2	4.1	4.2	4.3	4.3	4.34	4.34
	Energy efficiency class				A+	A+	A+	A+	A+	A+	A+	A+
Indoor Unit	ηsh		%		—	—	—	—	—	—	170.5%	170.4%
	Operating Current (Max)		A		13.3	13.5	19.4	19.4	27.2	8.7	27.3	9.8
	Input (Cooling/Heating) Rated		kW		0.04 / 0.03	0.05 / 0.06	0.06 / 0.06	0.06 / 0.06	0.09 / 0.09	0.07 / 0.07	0.11 / 0.11	0.11 / 0.11
	Operating Current (Max)		A		0.29	0.5	0.39	0.42	0.65	0.47	0.76	0.76
	Dimensions		H*W*D	mm	230 - 960 - 680	230 - 960 - 680	230 - 1280 - 680	230 - 1280 - 680	230 - 1600 - 680	298 - 840 - 840	230 - 1600 - 680	230 - 1600 - 680
	Weight		kg		25	26	32	32	37	26	38	40
	Air Volume (Lo-Mid-Mi-Hi)		m³/min		10 - 11 - 12 - 14	10 - 11 - 13 - 15	15 - 16 - 17 - 19	16 - 17 - 18 - 20	22 - 24 - 26 - 28	19 - 22 - 25 - 28	23 - 25 - 27 - 29	23 - 25 - 27 - 29
Outdoor Unit	Sound Level (Lo-Mid-Mi-Hi) (SPL)		dB(A)		31 - 33 - 36 - 39	32 - 34 - 37 - 43	33 - 35 - 37 - 40	35 - 37 - 39 - 41	37 - 39 - 41 - 43	31 - 34 - 37 - 40	39 - 41 - 43 - 45	39 - 41 - 43 - 45
	Sound Level (PWL)		dB(A)		60	60	60	62	63	61	65	65
	Dimensions		H*W*D	mm	630 - 809 - 320	630 - 809 - 320	943 - 950 - 355	943 - 950 - 355	870 - 1100 - 505	870 - 1100 - 505	870 - 1100 - 505	870 - 1100 - 505
	Weight		kg		46	46	67	67	108	114	108	116
	Air Volume		Cooling	m³/min	40	40	55	55	80	80	84	84
			Heating	m³/min	40	34	55	55	68	68	77	77
	Sound Level (SPL)		Cooling	dB(A)	44	44	47	47	44	44	47	47
Ext. Piping			Heating	dB(A)	46	46	49	49	48	48	50	50
	Sound Level (PWL)		Cooling	dB(A)	65	65	67	67	63	63	66	66
			Heating	dB(A)	65	65	67	67	63	63	66	66
	Operating Current (Max)		A		13.0	13.0	19.0	19.0	26.5	8.0	26.5	9.0
	Breaker Size		A		16	16	25	25	32	16	32	40
	Diameter ⁽⁵⁾		Liquid/Gas	mm	6.35 / 12.7	6.35 / 12.7	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	50	50	55	55	100	100	100	100
Guaranteed Operating Range			Cooling ⁽³⁾	°C	-15 ~ -46	-15 ~ -46	-15 ~ -46	-15 ~ -46	-20 ~ -46	-20 ~ -46	-20 ~ -46	-20 ~ -46
			Heating	°C	-11 ~ -21	-11 ~ -21	-20 ~ -21	-20 ~ -21	-20 ~ -21	-20 ~ -21	-20 ~ -21	-20 ~ -21

*1 Refrigerant leakage contributes to climate change. Refrigerant with lower global warming potential (GWP) would contribute less to global warming than a refrigerant with higher GWP, if leaked to the atmosphere. This appliance contains a refrigerant fluid with a GWP equal to 675. This means that if 1 kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 675 times higher than 1 kg of CO₂ over a period of 100 years. Never try to interfere with the refrigerant circuit yourself or disassemble the product yourself and always ask a professional. The GWP of R32 is 675 in the IPCC 4th Assessment Report.

*2 Energy consumption based on standard test results. Actual energy consumption will depend on how the appliance is used and where it is located.

*3 Optional air protection guide is required where ambient temperature is lower than -5°C. *4 SEER and SCOP are based on 2009/125/EC:Energy-related Products Directive and Regulation(EU) No206/2012.

*5 Joint pipe is required depending on installed refrigerant pipes, outdoor units and indoor units.