PCA-M KA SERIES
STANDARD INVERTER

Demand Control (Optional, 60-140W) · 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 (Optional) · (Optional) · Group Control · M-NET connection (Optional) · Wi-Fi Interface (Optional) · COMPO · MXZ connection · Cleaning-free pipe cover · Wiring Reuse (Optional) · Drain Lift Up (Optional) · Pump Down · Flare connection · Self Diagnosis · Failure Recall

Type														
Indoor Unit				PCA-M35KA3	PCA-M50KA3	PCA-M60KA3	PCA-M71KA3	PCA-M100KA3	PCA-M100KA3	PCA-M125KA3	PCA-M125KA3	PCA-M140KA3	PCA-M140KA3
Outdoor Unit				SUZ-M35VA2	SUZ-M50VA2	SUZ-M60VA2	SUZ-M71VA2	PUZ-M100VKA3	PUZ-M100YKA3	PUZ-M125VKA3	PUZ-M125YKA3	PUZ-M140VKA3	PUZ-M140YKA3
Refrigerant (*1)				R32									
Power Supply	Source			Outdoor power supply									
	Outdoor (V/Phase/Hz)			230/Single/50					400/Three/50	230/Single/50	400/Three/50	230/Single/50	400/Three/50
Cooling	Capacity	Rated	kW	3.6	5.0	6.1	7.1	9.5	9.5	12.1	12.1	13.4	13.4
		Min-Max	kW	0.8 - 3.9	1.5 - 5.6	1.6 - 6.3	2.2 - 8.1	4.0 - 10.6	4.0 - 10.6	5.7 - 13.0	5.7 - 13.0	5.7 - 14.1	5.7 - 14.1
	Total Input	Rated	kW	0.900	1.516	1.649	1.973	2.942	2.942	4.020	4.020	5.360	5.360
	EER			4.00	3.30	3.70	3.60	3.23	3.23	3.01	3.01	2.50	2.50
	Design load		kW	3.6	5.0	6.1	7.1	9.5	9.5	12.1	12.1	13.4	13.4
	Annual electricity consumption (*2)		kWh/a	198	291	333	381	553	553	1339	1339	1524	1524
	SEER (*4)			6.3	6.0	6.4	6.5	6.0	6.0	5.42	5.42	5.28	5.28
		Energy efficiency class		A++	A+	A++	A++	A+	A+	–	–	–	–
	ηsc		%	–	–	–	–	–	–	213.9%	213.9%	208.0%	208.0%
Heating	Capacity	Rated	kW	4.1	6.0	7.0	8.0	11.2	11.2	13.5	13.5	15.0	15.0
		Min-Max	kW	1.0 - 5.0	1.5 - 7.2	1.6 - 8.0	2.0 - 10.2	2.8 - 12.5	2.8 - 12.5	4.1 - 15.0	4.1 - 15.0	4.2 - 15.8	4.2 - 15.8
	Total Input	Rated	kW	1.025	1.618	1.750	2.217	3.285	3.285	3.959	3.959	4.286	4.286
	COP			4.00	3.71	4.00	3.61	3.41	3.41	3.41	3.41	3.50	3.50
	Design load		kW	3.0	4.3	4.6	5.8	8.0	8.0	8.5	8.5	9.4	9.4
	Declared Capacity	at reference design temperature	kW	2.3 (-10°C)	3.8 (-10°C)	4.1 (-10°C)	5.2 (-10°C)	6.0 (-10°C)	6.0 (-10°C)	8.5 (-10°C)	8.5 (-10°C)	9.4 (-10°C)	9.4 (-10°C)
		at bivalent temperature	kW	2.7 (-7°C)	3.8 (-7°C)	4.1 (-7°C)	5.2 (-7°C)	7.0 (-7°C)	7.0 (-7°C)	8.5 (-10°C)	8.5 (-10°C)	9.4 (-10°C)	9.4 (-10°C)
		at operation limit temperature	kW	2.3 (-10°C)	3.8 (-10°C)	4.1 (-10°C)	5.2 (-10°C)	4.5 (-15°C)	4.5 (-15°C)	6.0 (-15°C)	6.0 (-15°C)	7.0 (-15°C)	7.0 (-15°C)
	Back up heating capacity		kW	0.7	0.5	0.5	0.6	2.0	2.0	0.0	0.0	0.0	0.0
	Annual electricity consumption (*2)		kWh/a	1038	1462	1558	1974	2727	2727	2873	2873	3255	3255
	SCOP (*4)			4.0	4.1	4.1	4.1	4.1	4.1	4.14	4.14	4.04	4.04
		Energy efficiency class		A+	A+	A+	A+	A+	A+	–	–	–	–
	ηsh		%	–	–	–	–	–	–	162.7%	162.7%	158.7%	158.7%
Operating Current (Max)			A	8.8	14.0	15.2	15.2	20.7	12.2	27.3	12.3	30.9	12.4
Indoor Unit	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	0.09 / 0.09	0.11 / 0.11	0.11 / 0.11	0.14 / 0.14	0.14 / 0.14
	Operating Current (Max)		A	0.29	0.5	0.39	0.42	0.65	0.65	0.76	0.76	0.9	0.9
	Dimensions	H*W*D	mm	230 - 960 - 680	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	26	32	32	37	37	38	38	40	40
	Air Volume (Lo-Mi2-Mi1-Hi)		m^3/min	10 - 11 - 12 - 14	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
	Sound Level (Lo-Mi2-Mi1-Hi) (SPL)		dB(A)	31 - 33 - 36 - 39	32 - 34 - 37 - 43	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
	Sound Level (PWL)		dB(A)	60	60	60	62	63	63	65	65	68	68
Outdoor Unit	Dimensions	H*W*D	mm	550 - 800 - 285	714 - 800 - 285	880 - 840 - 330	880 - 840 - 330	981 - 1050 - 370	981 - 1050 - 370	981 - 1050 - 370	981 - 1050 - 370	981 - 1050 - 370	981 - 1050 - 370
	Weight		kg	35	41	53	54	76	78	84	86	84	86
	Air Volume	Cooling	m^3/min	34.3	45.8	49.8	49.8	79	79	86	86	86	86
		Heating	m^3/min	32.7	43.7	55.0	55.0	77	77	92	92	92	92
	Sound Level (SPL)	Cooling	dB(A)	48	48	49	49	51	51	54	54	56	56
		Heating	dB(A)	48	49	51	51	54	54	56	56	57	57
	Sound Level (PWL)	Cooling	dB(A)	59	64	65	66	70	70	72	72	73	73
	Operating Current (Max)		A	8.5	13.5	14.8	14.8	20.0	11.5	26.5	11.5	30.0	11.5
	Breaker Size		A	10	20	20	20	32	16	32	16	40	16
Ext. Piping	Diameter (*5)	Liquid/Gas	mm	6.35 / 9.52	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	20	30	30	30	55	55	65	65	65	65
	Max.Height	Out-In	m	12	30	30	30	30	30	30	30	30	30
Guaranteed Operating Range (Outdoor)		Cooling (*3)	°C	-10 ~ 46	-15 ~ 46	-15 ~ 46	-15 ~ 46	-15 ~ 46	-15 ~ 46	-15 ~ 46	-15 ~ 46	-15 ~ 46	-15 ~ 46
		Heating	°C	-10 ~ 24	-10 ~ 24	-10 ~ 24	-10 ~ 24	-15 ~ 21	-15 ~ 21	-15 ~ 21	-15 ~ 21	-15 ~ 21	-15 ~ 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 CO_2, 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. Only available for PUZ.
*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.