

PKA-M SERIES

POWER INVERTER



Type			PKA-M35LA(L)I3		PKA-M50LA(L)I3		PKA-M60KA(L)I3		PKA-M71KA(L)I3		PKA-M100KA(L)I3	
Indoor Unit			PUZ-ZM35VKA3		PUZ-ZM50VKA3		PUZ-ZM60VHA3		PUZ-ZM71VHA3		PUZ-ZM100VDA2	
Outdoor Unit												
Refrigerant ^(*)							R32					
Power Supply	Source	Outdoor power supply										
Cooling	Outdoor (V/Phase/Hz)				230/Single/50						400/Three/50	
	Capacity	Rated	kW	3.6	4.6	6.1	7.1	9.5	9.5			
		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			
	Total Input	Rated	kW	0.858	1.240	1.561	1.864	2.436	2.436			
	EER			4.20	3.71	3.91	3.81	3.90	3.90			
	Design load		kW	3.6	4.6	6.1	7.1	9.5	9.5			
	Annual electricity consumption ^(**)		kWh/a	194	244	314	365	508	519			
	SEER ^(**)			6.5	6.6	6.8	6.8	6.5	6.4			
	Energy efficiency class			A++	A++	A++	A++	A++	A++			
	ηsc	%	-	-	-	-	-	-	-			
Heating	Capacity	Rated	kW	4.1	5.0	7.0	8.0	11.2	11.2			
		Min-Max	kW	1.6 - 5.2	2.5 - 7.0	2.8 - 8.2	3.5 - 10.2	2.7 - 14.0	2.7 - 14.0			
	Total Input	Rated	kW	1.041	1.345	1.733	2.117	3.103	3.103			
	COP			3.94	3.72	4.04	3.78	3.61	3.61			
	Design load		kW	2.4	3.3	4.4	4.7	7.8	7.8			
	Declared Capacity	at reference design temperature	kW	2.4 (-10°C)	3.3 (-10°C)	4.4 (-10°C)	4.7 (-10°C)	7.8 (-10°C)	7.8 (-10°C)			
		at bivalent temperature	kW	2.4 (-10°C)	3.3 (-10°C)	4.4 (-10°C)	4.7 (-10°C)	7.8 (-10°C)	7.8 (-10°C)			
		at operation limit temperature	kW	2.2 (-11°C)	3.2 (-11°C)	2.8 (-20°C)	3.4 (-20°C)	5.8 (-20°C)	5.8 (-20°C)			
	Back up heating capacity		kW	0.0	0.0	0.0	0.0	0.0	0.0			
	Annual electricity consumption ^(**)		kWh/a	829	1074	1456	1530	2480	2481			
	SCOP ^(**)			4.0	4.3	4.2	4.3	4.4	4.4			
	Energy efficiency class			A+	A+	A+	A+	A+	A+			
	ηsh	%	-	-	-	-	-	-	-			
Operating Current (Max)		A	13.4	13.4	19.4	19.4	27.1	27.1				
Indoor Unit	Input (Cooling/Heating) Rated		kW	0.04 / 0.03	0.04 / 0.03	0.06 / 0.04	0.06 / 0.05	0.08 / 0.07	0.08 / 0.07			
	Operating Current (Max)		A	0.35	0.35	0.43	0.43	0.57	0.57			
	Dimensions H*W*D		mm	299 - 898 - 237	299 - 898 - 237	365 - 1170 - 295	365 - 1170 - 295	365 - 1170 - 295	365 - 1170 - 295			
	Weight		kg	12.6	12.6	21	21	21	21			
	Air Volume (Lo-Mi2-Mi1-Hi)		m³/min	7.5 - 8.2 - 9.2 - 10.9	7.5 - 8.2 - 9.2 - 10.9	18 - 20 - 22	18 - 20 - 22	20 - 23 - 26	20 - 23 - 26			
	Sound Level (Lo-Mi2-Mi1-Hi) (SPL)		dB(A)	34 - 37 - 40 - 43	34 - 37 - 40 - 43	39 - 42 - 45	39 - 42 - 45	41 - 45 - 49	41 - 45 - 49			
	Sound Level (PWL)		dB(A)	60	60	64	64	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			
	Weight		kg	46	46	67	67	108	114			
	Air Volume		m³/min	40	40	55	55	80	80			
Outdoor Unit	Heating		m³/min	40	34	55	55	58	58			
	Sound Level (SPL)		dB(A)	44	44	47	47	44	44			
	Heating		dB(A)	46	46	49	49	48	48			
	Sound Level (PWL)		dB(A)	65	65	67	67	63	63			
	Operating Current (Max)		A	13.0	13.0	19.0	19.0	26.5	8.0			
	Breaker Size		A	16	16	25	25	32	16			
	Ext. Piping	Diameter ^(**)		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		
		Max Length		m	50	50	55	55	100	100		
		Out-In		m	30	30	30	30	30	30		
		Max Height		m	30	30	30	30	30	30		
Guaranteed Operating Range (Outdoor)			Cooling ^(**)	°C	-15 ~ -46	-15 ~ -46	-15 ~ -46	-15 ~ -46	-20 ~ -46	-20 ~ -46	-20 ~ -46	
			Heating	°C	-11 ~ -21	-11 ~ -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.