

SERIES SELECTION

Eco-conscious Power Inverter Series



Indoor Unit

R32
R410A



PKA-M35/50HA(L)

R32
R410A



PKA-M60/71/100KA(L)

Outdoor Unit

R32

For Single



PUZ-ZM35/50



PUZ-ZM60/71



PUZ-ZM100/125/140

R32

For Multi



PUZ-ZM71



PUZ-ZM100/125/140

Remote Controller



Optional (*)



Optional (*)



(*) PAC-SH29TC-E is required (optional)

PKA-M HA(L)/KA(L) Indoor Unit Combinations Indoor unit combinations shown below are possible.

Indoor Unit Combination	Outdoor Unit Capacity																			
	For Single										For Twin					For Triple			For Quadruple	
	35	50	60	71	100	125	140	200	250	71	100	125	140	200	250	140	200	250	200	250
Power Inverter (PUZ-ZM)	35x1	50x1	60x1	71x1	100x1	—	—	—	—	35x2	50x2	60x2	71x2	—	—	50x3	—	—	—	—
Distribution Pipe	—	—	—	—	—	—	—	—	—	MSDD-50TR2-E					—	MSDT-111R2-E			—	



Type			Inverter Heat Pump							
Indoor Unit			PKA-M35HA(L)	PKA-M50HA(L)	PKA-M60KA(L)	PKA-M71KA(L)	PKA-M100KA(L)			
Outdoor Unit			PUZ-ZM35VKA	PUZ-ZM50VKA	PUZ-ZM60VHA	PUZ-ZM71VHA	PUZ-ZM100VKA	PUZ-ZM100YKA		
Refrigerant			R32 ^{*1}							
Power Supply			Outdoor power supply							
Source			VKA - VHA:230 / Single / 50, YKA:400 / Three / 50							
Outdoor (V/Phase/Hz)										
Cooling	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	0.869	1.239	1.560	1.863	2.405	2.405
	EER			4.14	3.71	3.91	3.81	3.95	3.95	
	EEL Rank			—	—	—	—	—	—	
	Design Load		kW	3.6	4.6	6.1	7.1	9.5	9.5	
	Annual Electricity Consumption ^{*2}		kWh/a	200	251	313	364	508	519	
	SEER			6.3	6.4	6.8	6.8	6.5	6.4	
	Energy Efficiency Class			A++	A++	A++	A++	A++	A++	
	Heating (Average Season)	Capacity	Rated	kW	4.1	5.0	7.0	8.0	11.2	11.2
Min - Max			kW	1.6 - 5.2	2.5 - 7.3	2.8 - 8.2	3.5 - 10.2	4.5 - 14.0	4.5 - 14.0	
Total Input		Rated	kW	1.040	1.347	1.732	2.116	3.102	3.102	
COP			3.94	3.71	4.04	3.78	3.61	3.61		
EEL Rank			—	—	—	—	—	—		
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)	3.5 (-20°C)	5.8 (-20°C)	5.8 (-20°C)	
Back Up Heating Capacity		kW	0	0	0	0	0	0		
Annual Electricity Consumption ^{*2}		kWh/a	839	1115	1460	1523	2472	2472		
SCOP			4.0	4.1	4.2	4.3	4.4	4.4		
Energy Efficiency Class			A+	A+	A+	A+	A+	A+		
Operating Current (max)			A	13.4	13.4	19.4	19.4	27.1	8.6	
Indoor Unit	Input	Rated	kW	0.04 / 0.03	0.04 / 0.03	0.06 / 0.05	0.06 / 0.05	0.08 / 0.07	0.08 / 0.07	
			A	0.40	0.40	0.43	0.43	0.57	0.57	
	Operating Current (max)			A	0.40	0.40	0.43	0.43	0.57	
	Dimensions <Panel> H × W × D			mm	295 - 898 - 249		365 - 1170 - 295			
	Weight <Panel>			kg	13	13	21	21	21	
	Air Volume [Lo-Mid-Hi]			m ³ /min	9 - 10.5 - 12	9 - 10.5 - 12	18 - 20 - 22	18 - 20 - 22	20 - 23 - 26	
	Sound Level (SPL) [Lo-Mid-Hi]			dB(A)	36 - 40 - 43	36 - 40 - 43	39 - 42 - 45	39 - 42 - 45	41 - 45 - 49	
	Sound Level (PWL)			dB(A)	60	60	64	64	65	
	Dimensions			H × W × D	mm	630 - 809 - 300		943 - 950 - 330 (+25)		1338 - 1050 - 330 (+40)
	Weight			kg	46	46	70	70	116	123
Outdoor Unit	Air Volume	Cooling	m ³ /min	45	45	55	55	110	110	
		Heating	m ³ /min	45	45	55	55	110	110	
	Sound Level (SPL)	Cooling	dB(A)	44	44	47	47	49	49	
		Heating	dB(A)	46	46	49	49	51	51	
	Sound Level (PWL)	Cooling	dB(A)	65	65	67	67	69	69	
		Heating	dB(A)	65	65	67	67	69	69	
	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	
	Diameter			Liquid / Gas	mm	6.35 / 12.7	6.35 / 12.7	9.52 / 15.88	9.52 / 15.88	9.52 / 15.88
	Ext. Piping	Max. Length		Out-In	m	50	50	55	55	100
Max. Height		Out-In	m	30	30	30	30	30	30	
Guaranteed Operating Range [Outdoor]		Cooling ^{*3}	°C	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46	
			Heating	°C	-11 ~ +21	-11 ~ +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 550. This means that if 1 kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 550 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.