

SERIES SELECTION

Eco-conscious Power Inverter Series



Indoor Unit

R32
R410A



PCA-M35/50/60/71/100/125/140KA

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



Optional

PCZ-M KA 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	125x1	140x1	-	-	35x2	50x2	60x2	71x2	-	-	50x3	-	-	-	-
Distribution Pipe	-	-	-	-	-	-	-	-	-	MSDD-50TR2-E					-	MSDT-111R2-E			-	

PCZ-M KA SERIES

Eco-conscious Power Inverter



Type		Inverter Heat Pump										
Indoor Unit		PCA-M35KA	PCA-M50KA	PCA-M60KA	PCA-M71KA	PCA-M100KA		PCA-M125KA		PCA-M140KA		
Outdoor Unit		PUZ-ZM35VKA	PUZ-ZM50VKA	PUZ-ZM60VHA	PUZ-ZM71VHA	PUZ-ZM100VKA	PUZ-ZM100YKA	PUZ-ZM125VKA	PUZ-ZM125YKA	PUZ-ZM140VKA	PUZ-ZM140YKA	
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	5.0	6.1	7.1	9.5	9.5	12.5	13.4	13.4
		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	5.5 - 14.0	5.5 - 14.0	6.2 - 15.0
	Total Input	Rated	kW	0.829	1.250	1.521	1.829	2.317	2.317	3.846	3.846	3.941
	EER			4.34	4.00	4.01	3.88	4.10	4.10	3.25	3.25	3.40
		EEL Rank		-	-	-	-	-	-	-	-	-
	Design Load		kW	3.6	5.0	6.1	7.1	9.5	9.5	-	-	-
	Annual Electricity Consumption*2		kWh/a	197	260	328	371	513	523	-	-	-
	SEER			6.4	6.7	6.5	6.7	6.4	6.3	-	-	-
		Energy Efficiency Class		A++	A++	A++	A++	A++	A++	-	-	-
	Heating (Average Season)	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	4.5 - 14.0	4.5 - 14.0	5.0 - 16.0	5.0 - 16.0	5.7 - 18.0
Total Input		Rated	kW	1.019	1.361	1.745	2.156	3.018	3.018	3.954	3.954	4.432
COP				4.02	4.04	4.01	3.71	3.71	3.71	3.54	3.54	3.61
		EEL Rank		-	-	-	-	-	-	-	-	-
Design Load			kW	2.4	3.8	4.4	4.7	7.8	7.8	-	-	-
Declared Capacity		at reference design temperature	kW	2.4 (-10°C)	3.8 (-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)	3.8 (-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)	3.7 (-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	1265	1499	1563	2539	2539	-	-	-	
SCOP			4.0	4.2	4.1	4.2	4.3	4.3	-	-	-	
	Energy Efficiency Class		A+	A+	A+	A+	A+	A+	-	-	-	
Operating Current (max)		A	13.3	13.4	19.4	19.4	27.2	8.7	27.3	10.3	28.9	
Indoor Unit	Input	Rated	kW	0.04	0.05	0.06	0.06	0.09	0.09	0.11	0.11	0.14
	Operating Current (max)		A	0.29	0.37	0.39	0.42	0.65	0.65	0.76	0.76	0.90
	Dimensions <Panel>	H x W x D	mm	230 - 960 - 680		230 - 1280 - 680		37	37	230 - 1600 - 680		40
	Weight <Panel>		kg	25	26	32	32	37	37	38	38	40
	Air Volume [Lo-Mi2-Mi1-Hi]		m³/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
	Sound Level (SPL) [Lo-Mi2-Mi1-Hi]		dB(A)	31-33-36-39	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
	Sound Level (PWL)		dB(A)	60	60	60	62	63	63	65	65	68
	Dimensions	H x W x D	mm	630 - 809 - 300		943 - 950 - 330 (+25)		116	123	1338 - 1050 - 330 (+40)		118
	Weight		kg	46	46	70	70	116	123	116	125	131
	Air Volume	Cooling	m³/min	45	45	55	55	110	110	120	120	120
	Heating	m³/min	45	45	55	55	110	110	120	120	120	
Sound Level (SPL)	Cooling	dB(A)	44	44	47	47	49	49	50	50	50	
	Heating	dB(A)	46	46	49	49	51	51	52	52	52	
Sound Level (PWL)	Cooling	dB(A)	65	65	67	67	69	69	70	70	70	
Operating Current (max)		A	13.0	13.0	19.0	19.0	26.5	8.0	26.5	9.5	28.0	
Breaker Size		A	16	16	25	25	32	16	32	16	40	
Ext. Piping	Diameter	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	9.52 / 15.88
	Max. Length	Out-In	m	50	50	55	55	100	100	100	100	100
	Max. Height	Out-In	m	30	30	30	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	-15 ~ +46	-15 ~ +46	-15 ~ +46	
	Heating	°C	-11 ~ +21	-11 ~ +21	-20 ~ +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 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.