

PCA-KA SERIES

R32
R410A

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

A stylish new indoor unit design and airflow settings for both high- and low-ceiling interiors expand installation possibilities. Together with exceptional energy-saving performance, these units are the solution to diversified air conditioning needs.



Stylish Indoor Unit Design

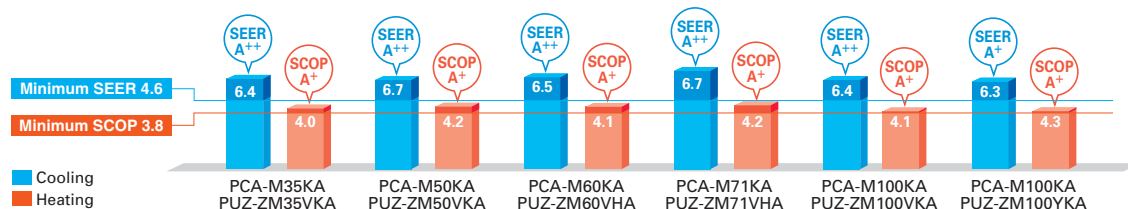
A stylish square-like design is adopted for the indoor units of all models. As a result, the units blend better with the ceiling.



PCA-KA

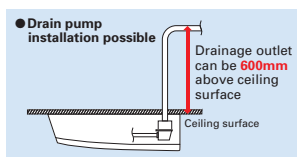
ErP Lot 10 Compliant with High Energy-efficiency Achieving SEER/SCOP Rank A, A+ and A++

A direct-current (DC) fan motor is installed in the indoor unit, increasing the seasonal energy efficiency of newly designed Power Inverter series (PUHZ-ZM) and resulting in the full capacity models comply ErP Lot 10 with energy ranking A+/A++ for cooling and A/A+ for heating. This contribute to an impressive reduction in the cost of annual electricity.



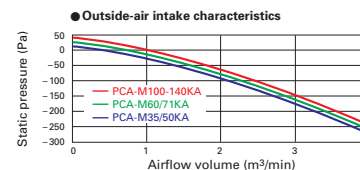
Optional Drain Pump for Full-capacity Models

The pumping height of the optional drain pump has been increased from 400mm to 600mm, expanding flexibility in choosing unit location during installation work.



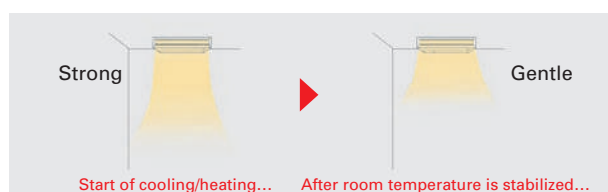
Outside-air Intake

Units are equipped with a knock-out hole that enables the induction of fresh outside-air.



Equipped with Automatic Air-speed Adjustment

In addition to the conventional 4-speed setting, units are now equipped with an automatic air-speed adjustment mode. This setting automatically adjusts the air-speed to conditions that match the room environment. At the start of heating/cooling operation, the airflow is set to high-speed to quickly heat/cool the room. When the room temperature reaches the desired setting, the airflow speed is decreased automatically for stable comfortable heating/cooling operation.



Equipped with High- /Low-ceiling Modes

Units are equipped with high- and low-ceiling operation modes that make it possible to switch the airflow volume to match room height. The ability to choose the optimum airflow volume makes it possible to optimize the breezy sensation felt throughout the room.

Capacity	High ceiling	Standard ceiling	Low ceiling
35	3.5m	2.7m	2.5m
50	3.5m	2.7m	2.5m
60	3.5m	2.7m	2.5m
71	3.5m	2.7m	2.5m
100	4.2m	3.0m	2.6m
125	4.2m	3.0m	2.6m
140	4.2m	3.0m	2.6m

SERIES SELECTION

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
(Twin/Triple/Quadruple)



PUZ-ZM71



PUZ-ZM100/125/140/200/250

Remote Controller



Optional



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 (PUHZ-ZRP)		35x1	50x1	60x1	71x1	100x1	125x1	140x1	—	—	35x2	50x2	60x2	71x2	100x2	125x2	50x3	60x3	71x3	50x4	60x4
	Distribution Pipe	—	—	—	—	—	—	—	—	—	MSDD-50TR2-E			MSDD-50WR2-E		MSDT-111R3-E			MSDF-111R2-E		

SERIES SELECTION

Standard Inverter Series



Indoor Unit

R32
R410A



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

Outdoor Unit

R32

For Single



SUZ-M35



SUZ-M50



SUZ-M60/71



PUZ-M100/125/140

R32

For Multi
(Twin/Triple/Quadruple)



PUZ-M100/125/140



PUZ-M200/250

Remote Controller



Optional



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
Standard Inverter (PUHZ-P&SUZ)		35x1	50x1	60x1	71x1	100x1	125x1	140x1	—	—	—	50x2	60x2	71x2	100x2	125x2	50x3	60x3	71x3	50x4	60x4
	Distribution Pipe	—	—	—	—	—	—	—	—	—	—	MSDD-50TR2-E			MSDD-50WB2-E		MSDT-111R3-E			MSDF-111R2-E	

PCA-M KA SERIES

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 VKA · VHA:230 / Single / 50, YKA:400 / Three / 50											
Cooling	Capacity		Rated	kW	3.6	5.0	6.1	7.1	9.5	9.5	12.5	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	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	3.941
	EER				4.34	4.00	4.01	3.88	4.10	4.10	3.25	3.25	3.40	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*4			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	16.0
		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	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	4.432	
COP				4.02	4.04	4.01	3.71	3.71	3.71	3.54	3.54	3.61	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*1			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	13.9	
Indoor Unit	Input		Rated	kW	0.04	0.05	0.06	0.06	0.09	0.09	0.11	0.11	0.14	0.14
	Operating Current (max)		A	0.29	0.37	0.39	0.42	0.65	0.65	0.76	0.76	0.90	0.90	
	Dimensions <Panel>		H × W × D	mm	230 - 960 - 680	230 - 1280 - 680	230 - 1280 - 680	230 - 1280 - 680	230 - 1280 - 680	230 - 1600 - 680	230 - 1600 - 680	230 - 1600 - 680	230 - 1600 - 680	
	Weight <Panel>		kg	25	26	32	32	37	37	38	38	40	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	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	41-43-45-48	
	Sound Level (PWL)		dB(A)	60	60	60	62	63	63	65	65	68	68	
	Dimensions		H × W × D	mm	630 - 809 - 300	943 - 950 - 330 (+25)	943 - 950 - 330 (+25)	943 - 950 - 330 (+25)	943 - 950 - 330 (+25)	1338 - 1050 - 330 (+40)	1338 - 1050 - 330 (+40)	1338 - 1050 - 330 (+40)	1338 - 1050 - 330 (+40)	
	Weight		kg	46	46	70	70	116	123	116	125	118	131	
	Air Volume		Cooling	m³/min	45	45	55	55	110	110	120	120	120	120
		Heating	m³/min	45	45	55	55	110	110	120	120	120	120	
Outdoor Unit	Sound Level (SPL)		Cooling	dB(A)	44	44	47	47	49	49	50	50	50	50
			Heating	dB(A)	46	46	49	49	51	51	52	52	52	52
	Sound Level (PWL)		Cooling	dB(A)	65	65	67	67	69	69	70	70	70	70
			Heating	dB(A)	66	66	69	69	71	71	72	72	72	72
	Operating Current (max)		A	13.0	13.0	19.0	19.0	26.5	8.0	26.5	9.5	28.0	13.0	
	Breaker Size		A	16	16	25	25	32	16	32	16	40	16	
	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.

*4 SEER and SCOP are based on 2009/125/EC:Energy-related Products Directive and Regulation(EU) No206/2012.

PCA-M KA SERIES

STANDARD INVERTER



Type			Inverter Heat Pump											
Indoor Unit			PCA-M35KA	PCA-M50KA	PCA-M60KA	PCA-M71KA	PCA-M100KA		PCA-M125KA		PCA-M140KA			
Outdoor Unit			SUZ-M35VA	SUZ-M50VA	SUZ-M60VA	SUZ-M71VA	PUZ-M100VKA	PUZ-M100YKA	PUZ-M125VKA	PUZ-M125YKA	PUZ-M140VKA	PUZ-M140YKA		
Refrigerant			R32*1											
Power Supply			Outdoor power supply VA • VKA:230 / Single / 50, YKA: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	0.90	1.51	1.64	1.97	2.94	2.94	4.01	4.01	5.36	5.36
	EER				4.00	3.30	3.70	3.60	3.23	3.23	3.01	3.01	2.50	2.50
	EEL Rank				—	—	—	—	—	—	—	—	—	—
	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	552	552	—	—	—	—	—
	SEER*4			6.3	6.0	6.4	6.5	6.0	6.0	—	—	—	—	—
	Energy Efficiency Class			A++	A+	A++	A++	A+	A+	—	—	—	—	—
Heating (Average Season)	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	1.02	1.61	1.75	2.21	3.28	3.28	3.95	3.95	4.28	4.28
	COP			4.00	3.71	4.00	3.61	3.41	3.41	3.41	3.41	3.50	3.50	
	EEL Rank			—	—	—	—	—	—	—	—	—	—	
	Design Load		kW	2.6	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	2.3 (–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	0.3	0.5	0.5	0.6	2.0	2.0	—	—	—	—	—
Annual Electricity Consumption*2		kWh/a	909	1456	1555	1971	2719	2719	—	—	—	—	—	
SCOP*3			4.0	4.1	4.1	4.1	4.1	4.1	—	—	—	—	—	
Energy Efficiency Class			A+	A+	A+	A+	A+	A+	—	—	—	—	—	
Operating Current (max)			A	8.8	13.9	15.2	15.2	20.7	12.2	27.3	12.3	30.9	12.4	
Indoor Unit	Input		Rated	kW	0.04	0.05	0.06	0.06	0.09	0.09	0.11	0.11	0.14	0.14
	Operating Current (max)		A	0.29	0.37	0.39	0.42	0.65	0.65	0.76	0.76	0.90	0.90	
	Dimensions <Panel>		H × W × D	mm	230 - 960 - 680	230 - 960 - 680	230 - 1280 - 680	230 - 1280 - 680	230 - 1280 - 680	230 - 1600 - 680	230 - 1600 - 680	230 - 1600 - 680	230 - 1600 - 680	
	Weight <Panel>		kg	25	26	32	32	37	37	38	38	40	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	24-26-29-32	
Outdoor Unit	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	41-43-45-48	
	Sound Level (PWL)		dB(A)	60	60	60	62	63	63	65	65	68	68	
	Dimensions		H × W × D	mm	550 - 800 - 285	714 - 800 - 285	880 - 840 - 330	880 - 840 - 330	880 - 840 - 330	981 - 1050 - 330 (+40)	981 - 1050 - 330 (+40)	981 - 1050 - 330 (+40)	981 - 1050 - 330 (+40)	
	Weight		kg	35	41	54	55	76	78	84	85	84	85	
	Air Volume		Cooling	m³/min	34.3	45.8	50.1	50.1	79.0	79.0	86.0	86.0	86.0	86.0
			Heating	m³/min	32.7	43.7	50.1	50.1	79.0	79.0	92.0	92.0	92.0	92.0
	Sound Level (SPL)		Cooling	dB(A)	48	48	49	49	51	51	54	54	55	55
			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		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	50	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

SERIES SELECTION

Power Inverter Series



Indoor Unit

R32
R410A



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

Outdoor Unit

R410A

For Single



PUHZ-ZRP35/50



PUHZ-ZRP60/71



PUHZ-ZRP100/125/140

R410A

For Multi
(Twin/Triple/Quadruple)



PUHZ-ZRP100/125/140/200/250

Remote Controller



Optional



Optional



Optional



Optional

Standard Inverter Series



Indoor Unit

R32
R410A



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

Outdoor Unit

R410A

For Single



SUZ-KA35



SUZ-KA50/60/71



PUHZ-P100/125/140

R410A

For Multi
(Twin/Triple/Quadruple)



PUHZ-P100/125/140



PUHZ-P200/250

Remote Controller



Optional



Optional



Optional



Optional

PCA-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 (PUHZ-ZRP)	35x1	50x1	60x1	71x1	100x1	125x1	140x1	—	—	35x2	50x2	60x2	71x2	100x2	125x2	50x3	60x3	71x3	50x4	60x4
Distribution Pipe	—	—	—	—	—	—	—	—	—	—	MSDD-50TR-E		MSDD-50WR-E		MSDD-111R-E		MSDD-111R-E		MSDD-111R-E	
Standard Inverter (PUHZ-P&SUZ)	35x1	50x1	60x1	71x1	100x1	125x1	140x1	—	—	—	50x2	60x2	71x2	100x2	125x2	50x3	60x3	71x3	50x4	60x4
Distribution Pipe	—	—	—	—	—	—	—	—	—	—	MSDD-50TR-E		MSDD-50WR-E		MSDD-111R-E		MSDD-111R-E		MSDD-111R-E	

PCA-M KA SERIES

POWER INVERTER



Type			Inverter Heat Pump										
Indoor Unit			PCA-M35KA	PCA-M50KA	PCA-M60KA	PCA-M71KA	PCA-M100KA		PCA-M125KA		PCA-M140KA		
Outdoor Unit			PUHZ-ZRP35VKA2	PUHZ-ZRP50VKA2	PUHZ-ZRP60VHA2	PUHZ-ZRP71VHA2	PUHZ-ZRP100VKA3	PUHZ-ZRP100YKA3	PUHZ-ZRP125VKA3	PUHZ-ZRP125YKA3	PUHZ-ZRP140VKA3	PUHZ-ZRP140YKA3	
Refrigerant			R410A*1										
Power Supply	Source	Outdoor power supply											
	Outdoor (V/Phase/Hz)	VKA・VHA:230 / Single / 50, YKA:400 / Three / 50											
Cooling	Capacity	Rated	kW	3.6	5.0	6.1	7.1	9.5	9.5	12.5	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	6.2 - 15.0
	Total Input	Rated	kW	0.86	1.34	1.66	1.82	2.42	2.42	3.98	3.98	3.95	3.95
	EER			4.19	3.73	3.67	3.90	3.93	3.93	3.14	3.14	3.39	3.39
		EEL Rank		—	—	—	—	—	—	—	—	—	—
	Design Load	kW	3.6	5.0	6.1	7.1	9.5	9.5	—	—	—	—	—
	Annual Electricity Consumption*2	kWh/a	202	283	340	367	542	553	—	—	—	—	—
	SEER*4		6.2	6.1	6.2	6.7	6.1	6.0	—	—	—	—	—
		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	16.0
		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	5.7 - 18.0
Total Input		Rated	kW	1.02	1.45	1.93	2.20	3.04	3.04	3.80	3.80	4.57	4.57
COP				4.02	3.79	3.63	3.64	3.68	3.68	3.68	3.68	3.50	3.50
		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℃)	3.8 (-10℃)	4.4 (-10℃)	4.7 (-10℃)	7.8 (-10℃)	7.8 (-10℃)	—	—	—	—
		at bivalent temperature	kW	2.4 (-10℃)	3.8 (-10℃)	4.4 (-10℃)	4.7 (-10℃)	7.8 (-10℃)	7.8 (-10℃)	—	—	—	—
		at operation limit temperature	kW	2.2 (-11℃)	3.7 (-11℃)	2.8 (-20℃)	3.5 (-20℃)	5.8 (-20℃)	5.8 (-20℃)	—	—	—	—
Back Up Heating Capacity		kW	0	0	0	0	0	0	—	—	—	—	—
Annual Electricity Consumption*2	kWh/a	815	1257	1458	1519	2837	2837	—	—	—	—	—	
	SCOP*4		4.1	4.2	4.3	4.3	3.9	3.9	—	—	—	—	
	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	13.9
Indoor Unit	Input	Rated	kW	0.04	0.05	0.06	0.06	0.09	0.09	0.11	0.11	0.14	0.14
	Operating Current (max)		A	0.29	0.37	0.39	0.42	0.65	0.65	0.76	0.76	0.90	0.90
	Dimensions <Panel>	H × W × D	mm	230 - 960 - 680			230 - 1280 - 680			230 - 1600 - 680			
	Weight <Panel>	kg	25	26	32	32	37	37	38	38	40	40	
Outdoor Unit	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	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	41-43-45-48	
	Sound Level (PWL)	dB(A)	60	60	60	62	63	63	65	65	68	68	
	Dimensions	H × W × D	mm	630 - 809 - 300			943 - 950 - 330 (+30)			1338 - 1050 - 330 (+40)			
	Weight	kg	43	46	70	70	116	123	116	125	118	131	
	Air Volume	Cooling	m³/min	45	45	55	55	110	110	120	120	120	120
		Heating	m³/min	45	45	55	55	110	110	120	120	120	120
	Sound Level (SPL)	Cooling	dB(A)	44	44	47	47	49	49	50	50	50	50
		Heating	dB(A)	46	46	48	48	51	51	52	52	52	52
	Sound Level (PWL)	Cooling	dB(A)	65	65	67	67	69	69	70	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	13.0	
Breaker Size		A	16	16	25	25	32	16	32	16	40	16	
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	9.52 / 15.88
	Max. Length	Out-In	m	50	50	50	50	75	75	75	75	75	75
	Max. Height	Out-In	m	30	30	30	30	30	30	30	30	30	30
	Guaranteed Operating Range [Outdoor]	Cooling*3	℃	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46
	Heating	℃	-11 ~ +21	-11 ~ +21	-20 ~ +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 1975. This means that if 1 kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 1975 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 R410A is 2088 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.

PCA-M KA SERIES

STANDARD INVERTER



Type				Inverter Heat Pump									
Indoor Unit				PCA-M35KA	PCA-M50KA	PCA-M60KA	PCA-M71KA	PCA-M100KA		PCA-M125KA		PCA-M140KA	
Outdoor Unit				SUZ-KA35VA6	SUZ-KA50VA6	SUZ-KA60VA6	SUZ-KA71VA6	PUHZ-P100VKA	PUHZ-P100YKA	PUHZ-P125VKA	PUHZ-P125YKA	PUHZ-P140VKA	PUHZ-P140YKA
Refrigerant				R410A*1									
Power Supply	Source			Outdoor power supply									
Supply	Outdoor (V/Phase/Hz)			VA・VKA:230 / Single / 50, YKA:400 / Three / 50									
Cooling	Capacity	Rated	kW	3.6	5.0	5.7	7.1	9.4	9.4	12.1	12.1	13.6	13.6
		Min - Max	kW	1.4 - 3.9	2.3 - 5.6	2.3 - 6.3	2.8 - 8.1	3.7 - 10.6	3.7 - 10.6	5.6 - 13.0	5.6 - 13.0	5.8 - 14.1	5.8 - 14.1
	Total Input	Rated	kW	1.050	1.550	1.720	2.060	3.05	3.05	4.24	4.24	5.62	5.62
	EER			3.43	3.23	3.31	3.45	3.08	3.08	2.85	2.85	2.41	2.41
		EEL Rank		-	-	-	-	-	-	-	-	-	-
	Design Load		kW	3.6	5.0	5.7	7.1	9.4	9.4	-	-	-	-
	Annual Electricity Consumption*2		kWh/a	209	296	325	409	586	586	-	-	-	-
	SEER**			6.0	5.8	6.1	6.0	5.6	5.6	-	-	-	-
		Energy Efficiency Class		A+	A+	A++	A+	A+	A+	-	-	-	-
	Heating (Average Season)	Capacity	Rated	kW	4.1	5.5	6.9	7.9	11.2	11.2	13.5	13.5	15.0
		Min - Max	kW	1.7 - 5.0	1.7 - 6.6	2.5 - 8.0	2.6 - 10.2	2.8 - 12.5	2.8 - 12.5	4.8 - 15.0	4.8 - 15.0	4.9 - 15.8	4.9 - 15.8
Total Input		Rated	kW	1.050	1.520	1.910	2.180	3.37	3.37	4.06	4.06	4.47	4.47
COP				3.90	3.62	3.61	3.62	3.32	3.32	3.32	3.32	3.35	3.35
		EEL Rank		-	-	-	-	-	-	-	-	-	-
Design Load			kW	2.6	4.0	4.8	5.8	8.0	8.0	-	-	-	-
Declared Capacity		at reference design temperature	kW	2.3 (-10°C)	3.6 (-10°C)	4.0 (-10°C)	5.2 (-10°C)	6.0 (-10°C)	6.0 (-10°C)	-	-	-	-
		at bivalent temperature	kW	2.3 (-7°C)	3.6 (-7°C)	4.3 (-7°C)	5.2 (-7°C)	7.0 (-7°C)	7.0 (-7°C)	-	-	-	-
		at operation limit temperature	kW	2.3 (-10°C)	3.6 (-10°C)	4.0 (-10°C)	5.2 (-10°C)	4.5 (-15°C)	4.5 (-15°C)	-	-	-	-
Back Up Heating Capacity			kW	0.3	0.4	0.8	0.6	2.0	2.0	-	-	-	-
Annual Electricity Consumption*2		kWh/a	887	1398	1678	2028	2726	2726	-	-	-	-	
SCOP**			4.1	4.0	4.0	4.3	4.1	4.1	-	-	-	-	
	Energy Efficiency Class		A+	A+	A+	A+	A+	A+	-	-	-	-	
Operating Current (max)		A	8.5	12.4	14.4	16.5	20.7	12.2	27.3	12.3	30.9	12.4	
Indoor Unit	Input	Rated	kW	0.04	0.05	0.06	0.06	0.09	0.09	0.11	0.11	0.14	0.14
	Operating Current (max)		A	0.29	0.37	0.39	0.42	0.65	0.65	0.76	0.76	0.90	0.90
	Dimensions <Panel>	H x W x D	mm	230-960-680			230-1280-680			230-1600-680			
	Weight <Panel>		kg	25	26	32	32	37	37	38	38	40	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	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	41-43-45-48
	Sound Level (PWL)		dB(A)	60	60	60	62	63	63	65	65	68	68
	Dimensions	H x W x D	mm	550 - 800 - 285			880 - 840 - 330			981 - 1050 - 330			
	Weight		kg	35	54	50	53	76	78	84	85	84	85
	Air Volume	Cooling	m³/min	36.3	44.6	40.9	50.1	79	79	86	86	86	86
Outdoor Unit		Heating	m³/min	34.8	44.6	49.2	48.2	79	79	92	92	92	92
	Sound Level (SPL)	Cooling	dB(A)	49	52	55	55	51	51	54	54	56	56
		Heating	dB(A)	50	52	55	55	54	54	56	56	57	57
	Sound Level (PWL)	Cooling	dB(A)	62	65	65	69	70	70	72	72	75	75
	Operating Current (max)		A	8.2	12.0	14.0	16.1	20.0	11.5	26.5	11.5	30.0	11.5
	Breaker Size		A	10	20	20	20	32	16	40	16	40	16
	Ext. Piping	Diameter Size	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
		Max. Length	Out-In	m	20	30	30	30	50	50	50	50	50
		Max. Height	Out-In	m	12	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
		Heating	°C	-10 ~ +24	-10 ~ +24	-10 ~ +24	-10 ~ +24	-15 ~ +21	-15 ~ +21	-15 ~ +21	-15 ~ +21	-15 ~ +21	