

PCA-KA SERIES



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

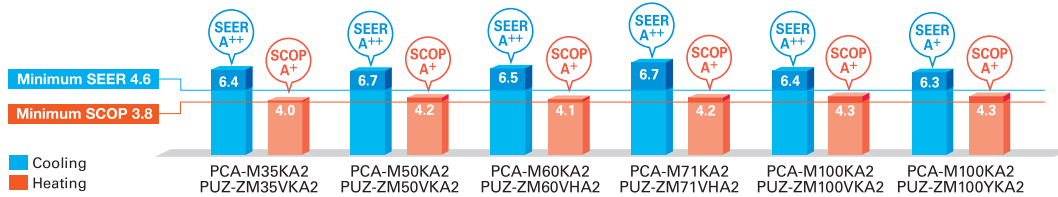
A stylish square-like design is adopted for the indoor units of all models. As a result, the units blend in better with the ceiling.



PCA-KA

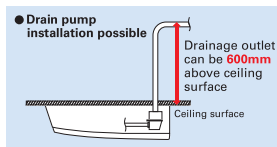
ErP Lot 10 Compliant with High Energy-efficiency Achieving SEER/SCOP Rank A, A+ and A++

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.



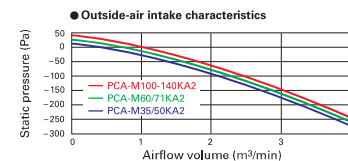
Optional Drain Pump for Full-capacity Models

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



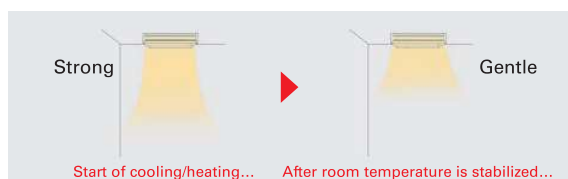
Outside-air Intake

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-M35/50/60/71/100/125/140KA2

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
  Optional*

* PAR-SA9CA is also required.

PCA-M 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	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-M35/50/60/71/100/125/140KA2

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
  Optional*

* PAR-SA9CA is also required.

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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 (PUZ-M&SUZ)	35x1	50x1	60x1	71x1	100x1	125x1	140x1	-	-	-	50x2	60x2	71x2	100x2	125x2	50x3	60x3	71x3	50x4	60x4		
Distribution Pipe	-	-	-	-	-	-	-	-	-	-	MSDD-50TR2-E					MSDD-50WR2-E			MSDT-111R3-E		MSDF-111R2-E	

PCA-M KA SERIES

POWER INVERTER



Type	Inverter Heat Pump											
Indoor Unit	PCA-M35KA2	PCA-M50KA2	PCA-M60KA2	PCA-M71KA2	PCA-M100KA2	PCA-M100KA2	PCA-M125KA2	PCA-M125KA2	PCA-M140KA2	PCA-M140KA2	PCA-M140KA2	
Outdoor Unit	PUZ-ZM35VA2	PUZ-ZM50VA2	PUZ-ZM60VA2	PUZ-ZM71VA2	PUZ-ZM100VA2	PUZ-ZM100VA2	PUZ-ZM125VA2	PUZ-ZM125VA2	PUZ-ZM140VA2	PUZ-ZM140VA2	PUZ-ZM140VA2	
Refrigerant ^(*)	R32											
Power Source	Outdoor power supply											
Supply	VKA-VHA:230/Single/50, YKA:400/Three/50											
Cooling	Capacity	Rated	kW	3.6	5.0	6.1	7.1	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
	Total Input	Rated	kW	0.829	1.250	1.521	1.829	2.375	2.375	3.846	3.846	3.941
	EER	Rated		4.34	4.00	4.01	3.88	4.00	4.00	3.25	3.25	3.40
	Design load		kW	3.6	5.0	6.1	7.1	9.5	9.5	-	-	-
	Annual electricity consumption ^(**)		kWh/a	197	260	328	371	516	527	-	-	-
Heating	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
	Total Input	Rated	kW	1.019	1.361	1.745	2.156	3.018	3.018	3.954	3.954	4.432
	COP	Rated		4.02	4.04	4.01	3.71	3.71	3.71	3.54	3.54	3.61
	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)	-	-	-
Operating	Current(Max)		A	13.3	13.4	19.4	19.4	20.7	8.7	27.3	9.8	30.9
	Input (cooling / Heating)	Rated	kW	0.04 / 0.04	0.05 / 0.05	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
	Operating Current(Max)		A	0.29	0.37	0.39	0.42	0.65	0.65	0.76	0.76	0.90
	Dimensions	H*W*D	mm	230-960-680			230-1280-680			230-1600-680		
	Weight		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
Outdoor Unit	Sound Level (Lo-Mi2-Mi1-Hi) (SPL)		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*W*D	mm	630-809-300			943-950-330(+25)			943-950-330(+25)		
	Weight		kg	46	46	67	67	105	111	105	114	105
	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	
Guaranteed Operating Range (Outdoor)	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
	Heating	dB(A)	46	46	49	49	51	51	52	52	52	
	Operating Current(Max)		A	13	13	19	19	20	8	26.5	9	30
	Breaker Size		A	16	16	25	25	32	16	32	16	40
Ext.Piping	Diameter ⁽⁵⁾	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 ^(**)	°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.
 *5 Joint pipe is required depending on installed refrigerant pipes, outdoor units and indoor units.

PCA-M KA SERIES

STANDARD INVERTER



Type	Inverter Heat Pump											
Indoor Unit	PCA-M35KA2	PCA-M50KA2	PCA-M60KA2	PCA-M71KA2	PCA-M100KA2	PCA-M100KA2	PCA-M125KA2	PCA-M125KA2	PCA-M140KA2	PCA-M140KA2	PCA-M140KA2	
Outdoor Unit	SUZ-M35VA	SUZ-M50VA	SUZ-M60VA	SUZ-M71VA	PUZ-M100KA2	PUZ-M100KA2	PUZ-M125KA2	PUZ-M125KA2	PUZ-M140KA2	PUZ-M140KA2	PUZ-M140KA2	
Refrigerant ^(*)	R32											
Power Source	Outdoor power supply											
Supply	VA-VKA:230/Single/50, YKA:400/Three/50											
Cooling	Capacity	Rated	kW	3.6	5.0	6.1	7.1	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
	Total Input	Rated	kW	0.900	1.515	1.648	1.972	2.941	2.941	4.019	4.019	5.360
	EER	Rated		4.00	3.30	3.70	3.60	3.23	3.23	3.01	3.01	2.50
	Design load		kW	3.6	5.0	6.1	7.1	9.5	9.5	-	-	-
	Annual electricity consumption ^(**)		kWh/a	198	291	333	381	553	553	-	-	-
Heating	Capacity	Rated	kW	4.1	6.0	7.0	8.0	11.2	11.2	13.5	13.5	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
	Total Input	Rated	kW	1.025	1.617	1.750	2.216	3.284	3.284	3.958	3.958	4.285
	COP	Rated		4.00	3.71	4.00	3.61	3.41	3.41	3.41	3.41	3.50
	Design load		kW	2.6	4.3	4.6	5.8	8.0	8.0	-	-	-
	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)	-	-	-
Operating	Current(Max)		A	8	13.9	15.2	15.2	20.7	12.2	27.3	12.3	30.9
	Input (cooling / Heating)	Rated	kW	0.04 / 0.04	0.05 / 0.05	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
	Operating Current(Max)		A	0.29	0.37	0.39	0.42	0.65	0.65	0.76	0.76	0.90
	Dimensions	H*W*D	mm	230-960-680			230-1280-680			230-1600-680		
	Weight		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
Outdoor Unit	Sound Level (Lo-Mi2-Mi1-Hi) (SPL)		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*W*D	mm	550-800-285			880-840-330			880-840-330		
	Weight		kg	35	41	54	55	76	78	84	85	84
	Air Volume	Cooling	m³/min	34.3	45.8	50.1	50.1	79	79	86	86	86
	Heating	m³/min	32.7	43.7	50.1	50.1	79	79	92	92	92	
Guaranteed Operating Range (Outdoor)	Sound Level (SPL)	Cooling	dB(A)	48	48	49	49	51	51	54	54	55
	Heating	dB(A)	48	49	51	51	54	54	56	56	57	
	Sound Level (PWL)	Cooling	dB(A)	59	64	65	66	70	70	72	72	73
	Heating	dB(A)	48	49	51	51	54	54	56	56	57	
	Operating Current(Max)		A	8.5	13.5	14.8	14.8	20	11.5	26.5	11.5	30
	Breaker Size		A	10	20	20	20	32	16	32	16	40
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
	Max.Length	Out-In	m	20	30	30	30	55	55	65	65	65
	Max.Height	Out-In	m	12	30	30	30	30	30	30	30	30
Guaranteed Operating Range (Outdoor)	Cooling ^(**)	°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	

*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.
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 ***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.