

# 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

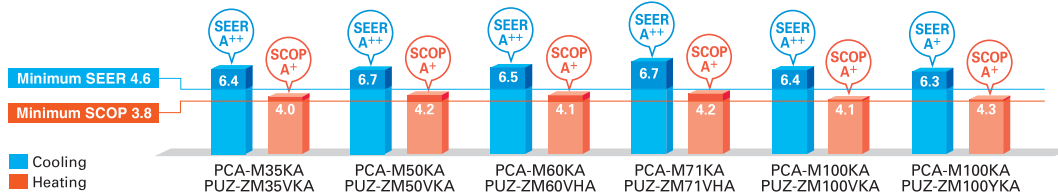
A stylish square-like design is adopted for the indoor units of all models. As a result, the units blend in better with the ceiling.



PCA-KA

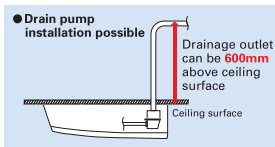
## ErP Lot 10 Compliant with High Energy-efficiency Achieving SEER/SCOP Rank A, A+ and A++

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.



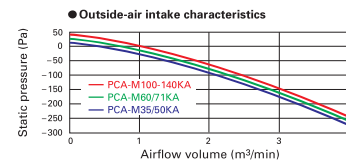
## Optional Drain Pump for Full-capacity Models

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



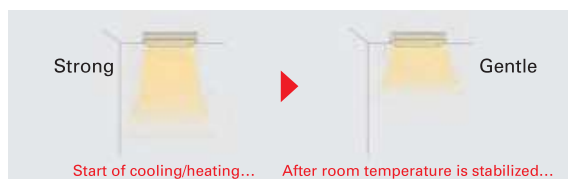
## Outside-air Intake

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

#### 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-1111R2-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-50WR2-E		MSDT-111R3-E			MSDF-1111R2-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
Heating (Average Season)	Capacity	Rated	kW 4.1	5.5	7.0	8.0	11.2	11.2	14.0	14.0	16.0	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	3.54	3.54	3.54	3.61	3.61

\*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. 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 CO<sub>2</sub> 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.

# 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	1.94	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
Heating (Average Season)	Capacity	Rated	kW 4.1	6.0	6.4	6.5	6.0	6.0	11.2	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

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 \*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.