

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

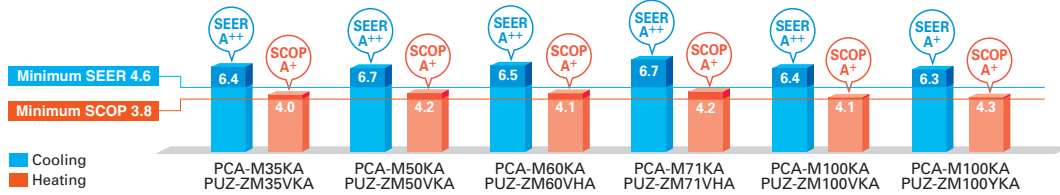
A stylish square-like design is adopted for the indoor units of all models. As a result, the units blend in better with the ceiling.



PCA-KA

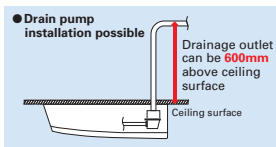
ErP Lot 10 Compliant with High Energy-efficiency Achieving SEER/SCOP Rank A, A+ and A++

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.



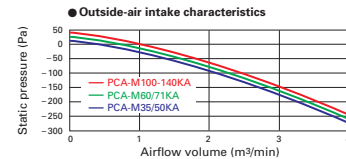
Optional Drain Pump for Full-capacity Models

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



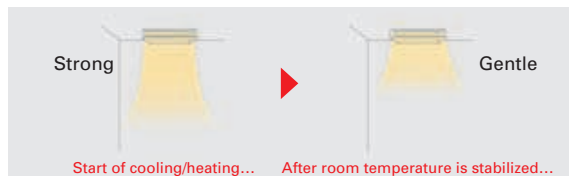
Outside-air Intake

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

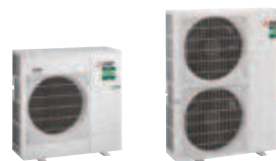
For Single



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

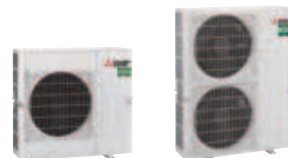
For Single



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
		Rated	kW 4.34	4.00	4.01	3.88	4.10	4.10	3.25	3.25	3.40	3.40
	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
		Rated	kW 4.02	4.04	4.01	3.71	3.71	3.71	3.54	3.54	3.61	3.61
	COP		4.02	4.04	4.01	3.71	3.71	3.71	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, 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.

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
		Rated	kW 4.00	3.30	3.70	3.60	3.23	3.23	3.01	3.01	2.50	2.50
	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	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
		Rated	kW 4.00	3.71	4.00	3.61	3.41	3.41	3.41	3.41	3.50	3.50
	COP		4.00	3.71	4.00	3.61	3.41	3.41	3.41	3.41	3.50	3.50

*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.

SERIES SELECTION

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		MSDT-111R-E			MSDF-1111R-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		MSDT-111R-E			MSDF-1111R-E	

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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		PZH-ZRP35VKA2	PZH-ZRP60VKA2	PZH-ZRP60VHA2	PZH-ZRP71VHA2	PZH-ZRP100VKA3	PZH-ZRP100YKA3	PZH-ZRP125VKA3	PZH-ZRP125YKA3	PZH-ZRP140VKA3	PZH-ZRP140YKA3			
Refrigerant		R410A*												
Power Supply	Source	Outdoor power supply												
Power Supply	Outdoor (V/Phase/Hz)	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	12.5	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	Rated	-		4.19	3.73	3.67	3.90	3.93	3.93	3.14	3.14	3.39	3.39
	EEL Rank	Rated	-		4.19	3.73	3.67	3.90	3.93	3.93	3.14	3.14	3.39	3.39
Design Load	Capacity	Rated	kW		3.6	5.0	6.1	7.1	9.5	9.5	12.5	12.5	13.4	13.4
	Annual Electricity Consumption ^{†2}	SEER	kWh/a		202	283	340	367	542	553	815	815	815	815
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
	Total Input	Rated	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
	COP	Rated	-		4.02	3.79	3.63	3.64	3.68	3.68	3.68	3.68	3.50	3.50
	EEL Rank	Rated	-		4.02	3.79	3.63	3.64	3.68	3.68	3.68	3.68	3.50	3.50
	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)	11.2 (-10°C)	11.2 (-10°C)	14.0 (-10°C)	14.0 (-10°C)
Back Up Heating Capacity	Annual Electricity Consumption ^{†2}	SCOP	kWh/a		815	1257	1458	1519	2837	2837	3800	3800	4570	4570
	Energy Efficiency Class	SCOP	-		4.1	4.2	4.3	4.3	3.9	3.9	3.9	3.9	3.9	
	Operating Current (max)	Input	A		13.3	13.4	19.4	19.4	27.2	8.7	27.3	10.3	28.9	13.9
	Indoor Unit	Input	kW		0.04	0.05	0.06	0.06	0.09	0.09	0.11	0.11	0.14	0.14
Outdoor Unit	Dimensions <Panel>	H x W x D	mm		230 - 960 - 680	230 - 960 - 680	230 - 1280 - 680	230 - 1280 - 680	230 - 1600 - 680	230 - 1600 - 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	Cooling	m ³ /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)	Cooling	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)	Cooling	dB(A)	60		60	60	62	63	63	65	65	68	68
	Sound Level (PWL)	Heating	dB(A)	60		60	60	62	63	63	65	65	68	68
	Operating Current (max)	Input	A		13.3	13.4	19.4	19.4	27.2	8.7	27.3	10.3	28.9	13.9
	Ext. Piping	Max. Length	Out-In	m		50	50	50	50	75	75	75	75	75
	Guaranteed Operating Range	Cooling ^{†3}	°C		-15 ~ +46	-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	-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.

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	PZH-ZRP100VKA	PZH-ZRP125VKA	PZH-ZRP125YKA	PZH-ZRP140VKA	PZH-ZRP140YKA				
Refrigerant		R410A*												
Power Supply	Source	Outdoor power supply												
Power 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	Rated	-		3.43	3.23	3.31	3.45	3.08	3.08	2.85	2.85	2.41	2.41
	EEL Rank	Rated	-		3.43	3.23	3.31	3.45	3.08	3.08	2.85	2.85	2.41	2.41
Design Load	Capacity	Rated	kW		3.6	5.0	5.7	7.1	9.4	9.4	12.1	12.1	13.6	13.6
	Annual Electricity Consumption ^{†2}	SEER	kWh/a		209	296	325	409	586	586	815	815	915	915
Heating (Average Season)	Capacity	Rated	kW		4.1	5.5	6.9	7.9	11.2	11.2	13.5	13.5	15.0	15.0
	Total Input	Rated	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
	COP	Rated	-		3.90	3.62	3.61	3.62	3.32	3.32	3.32	3.32	3.35	3.35
	EEL Rank	Rated	-		3.90	3.62	3.61	3.62	3.32	3.32	3.32	3.32	3.35	3.35
	Declared Capacity	at reference design temperature	kW		2.3 (-10°C)	3.6 (-10°C)	4.0 (-10°C)	5.2 (-10°C)	8.0 (-10°C)	8.0 (-10°C)	11.2 (-10°C)	11.2 (-10°C)	13.5 (-10°C)	13.5 (-10°C)
Back Up Heating Capacity	Annual Electricity Consumption ^{†2}	SCOP	kWh/a		887	1398	1678	2028	2726	2726	3800	3800	4570	4570
	Energy Efficiency Class	SCOP	-		4.1	4.0	4.0	4.3	4.1	4.1	4.1	4.1	4.1	
	Operating Current (max)	Input	A		8.5	12.4	14.4	18.5	20.7	12.2	27.3	12.3	30.9	12.4
	Indoor Unit	Input	kW		0.04	0.05	0.06	0.06	0.09	0.09	0.11	0.11	0.14	0.14
Outdoor Unit	Dimensions <Panel>	H x W x D	mm		550 - 800 - 285	550 - 800 - 285	880 - 840 - 330	880 - 840 - 330	981 - 1050 - 330	981 - 1050 - 330	981 - 1050 - 330	981 - 1050 - 330	981 - 1050 - 330	981 - 1050 - 330
	Weight <Panel>	kg	35		54	50	53	76	78	84	85	84	85	
	Air Volume	Cooling	m ³ /min	36.3		44.6	40.9	50.1	79	79	86	86	86	
	Sound Level (SPL)	Heating	dB(A)	34.8		44.6	49.2	48.2	79	79	92	92	92	
	Sound Level (SPL)	Cooling	dB(A)	49		52	55	55	54	54	54	54	56	
	Sound Level (PWL)	Cooling	dB(A)	50		52	55	55	54	54	56	56	57	
	Sound Level (PWL)	Heating	dB(A)	50		52	55	55	54	54	56	56	57	
	Operating Current (max)	Input	A		8.2	12.0	14.0	16.1	20.0	11.5	26.5	11.5	30.0	11.5
	Ext. Piping	Max. Length	Out-In	m		20	30	30	50	50	50	50	50	
	Guaranteed Operating Range	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		

*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.

R32
R410A

PCA-HA SERIES

PCA-M71HA

Standard features include a strong carbon-black stainless steel body and built-in oil mist filter to prevent oil from getting into the unit providing a comfortable air conditioning environment in kitchens that use open-flame cooking.



Tough on Oily Smoke

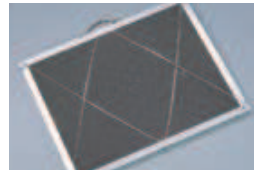
A durable stainless steel casing that is resistant to oil and grease is provided to protect the surface of the body. Grimy dirt and stains are removed easily, enabling the unit to be kept clean at all times.

High-performance Oil Mist Filter

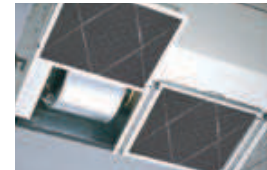
A high-performance heavy-duty oil mist filter is included as standard equipment. The filtering system is more efficient than conventional filters, thereby effectively reducing the oily smoke entering the air conditioner. The filter is disposable, thereby enabling trouble-free cleaning and maintenance.

Oil Mist Filter Cleaning

When used in kitchens, the oil mist filter should be replaced once every two months. The system comes with 12 filter elements. After these have been used, optional elements (PAC-SG38KF-E) can be purchased.



Oil mist filter



Pull the handle to easily slide the filter out

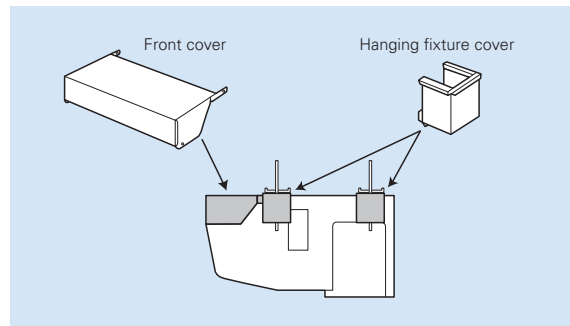
Easy Maintenance – Even for Cleaning the Fan

A separate fan casing that can be disassembled in sections is adopted to ensure easy fan cleaning. Drain pan cleaning onsite is also no problem owing to the use of a pipe connector that is easily removed.



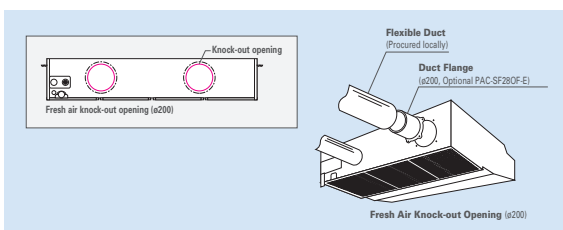
Cosmetic Front and Hanging Fixture Covers (Option)

Cosmetic covers are available to prevent the collection of dust and grime on the main body and hanging fixture sections.



Fresh Outside-air Intake (Option)

There is a knock-out opening on the rear panel of the unit that can be used to bring fresh air into the unit. This helps to improve ventilation and make the kitchen comfortable.



Notes: 1) A fresh-air duct flange is required (sold separately)
2) Intake air is not 100% fresh (outside) air.

SERIES SELECTION

Power Inverter Series

Indoor Unit

R32
R410A



PCA-M71HA

Outdoor Unit

R32
For Single

R32
For Multi (Twin/Triple)



PUZ-ZM71



PUZ-ZM140/250

Remote Controller



Optional



Optional



Optional



PCA-M HA 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)	-	-	-	71x1	-	-	-	-	-	-	-	-	71x2	-	-	-	-	71x3	-	-
Distribution Pipe	-	-	-	-	-	-	-	-	-	-	-	-	MSDD-50TR2-E	-	-	-	-	MSDF-111R3-E	-	-

SERIES SELECTION

Power Inverter Series

Indoor Unit

R32
R410A



PCA-M71HA

Outdoor Unit

R410A
For Single

R410A
For Multi (Twin/Triple)



PUHZ-ZRP71



PUHZ-ZRP140/250

Remote Controller



Optional



Optional



Optional



PCA-M HA 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)	-	-	-	71x1	-	-	-	-	-	-	-	-	71x2	-	-	-	-	71x3	-	-
Distribution Pipe	-	-	-	-	-	-	-	-	-	-	-	-	MSDD-50TR-E	-	-	-	-	MSDF-111R-E	-	-

PCA-RP HA SERIES

POWER INVERTER



Type			Inverter Heat Pump			
Indoor Unit			PCA-M71HA			
Outdoor Unit			PUHZ-ZRP71VHA2			
Refrigerant			R410A DX*1			
Power Supply			Outdoor power supply			
Cooling			230 / Single / 50			
Cooling	Capacity	Rated	kW	7.1	7.1	
		Min - Max	kW	3.3 - 8.1	3.3 - 8.1	
	Total Input	Rated	kW	2.17	2.02	
	EER			-	-	
	EEL Rank				-	
	Design Load		kW	7.1	7.1	
	Annual Electricity Consumption*2		kWh/a	447	444	
	SEER			5.6	5.6	
	Energy Efficiency Class				A+	
	Heating (Average Season)	Capacity	Rated	kW	7.6	7.6
Min - Max			kW	3.5 - 10.2	3.5 - 10.2	
Total Input		Rated	kW	2.35	2.17	
COP				-	-	
EEL Rank				-		
Design Load			kW	4.7	4.7	
Declared Capacity		at reference design temperature	kW	4.7	4.7	
		at bivalent temperature	kW	4.7	4.7	
		at operation limit temperature	kW	3.5	3.7	
Back Up Heating Capacity			kW	0.0	0.0	
Annual Electricity Consumption*2		kWh/a	1751	1673		
SCOP			3.8	3.9		
Energy Efficiency Class				A		
Operating Current (max)			A	19.4		
Indoor Unit	Input	Rated	kW	0.10		
		Operating Current (max)	A	0.43		
	Dimensions <Panel>	H x W x D	mm	280 - 1136 - 650		
	Weight <Panel>		kg	42		
	Air Volume [Lo-Hi]		m ³ /min	18 - 18		
	Sound Level (SPL) [Lo-Hi]		dB(A)	37 - 39		
	Sound Level (PWL)		dB(A)	57		
	Outdoor Unit	Dimensions	H x W x D	mm	943 - 950 - 330 (+30)	943 - 950 - 330 (+25)
			Weight	kg	70	70
		Air Volume	Cooling	m ³ /min	55.0	55.0
Heating			m ³ /min	55.0	55.0	
Sound Level (SPL)		Cooling	dB(A)	47	47	
		Heating	dB(A)	48	49	
Sound Level (PWL)		Cooling	dB(A)	67	67	
		Operating Current (max)	A	19.0	19.0	
Breaker Size		A	25	25		
Ext. Piping		Diameter	Liquid / Gas	mm	9.52 / 15.88	9.52 / 15.88
	Max. Length	Out-In	m	50	50	
	Max. Height	Out-In	m	30	30	
Guaranteed Operating Range [Outdoor]	Cooling*3	°C	-15 ~ +46	-15 ~ +46		
	Heating	°C	-20 ~ +21	-20 ~ +21		

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 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.

PCA-RP HA SERIES

POWER INVERTER



Type			Inverter Heat Pump			
Indoor Unit			PCA-M71HA			
Outdoor Unit			PUHZ-ZRP71VHA2			
Refrigerant			R410A*1			
Power Supply			Outdoor power supply			
Cooling			230 / Single / 50			
Cooling	Capacity	Rated	kW	7.1	7.1	
		Min - Max	kW	3.3 - 8.1	3.3 - 8.1	
	Total Input	Rated	kW	2.17	2.02	
	EER			-	-	
	EEL Rank				-	
	Design Load		kW	7.1	7.1	
	Annual Electricity Consumption*2		kWh/a	447	444	
	SEER			5.6	5.6	
	Energy Efficiency Class				A+	
	Heating (Average Season)	Capacity	Rated	kW	7.6	7.6
Min - Max			kW	3.5 - 10.2	3.5 - 10.2	
Total Input		Rated	kW	2.35	2.17	
COP				-	-	
EEL Rank				-		
Design Load			kW	4.7	4.7	
Declared Capacity		at reference design temperature	kW	4.7 (-10°C)	4.7 (-10°C)	
		at bivalent temperature	kW	4.7 (-10°C)	4.7 (-10°C)	
		at operation limit temperature	kW	3.5 (-20°C)	3.5 (-20°C)	
Back Up Heating Capacity			kW	0	0	
Annual Electricity Consumption*2		kWh/a	1751	1673		
SCOP			3.8	3.9		
Energy Efficiency Class				A		
Operating Current (max)			A	19.4		
Indoor Unit	Input	Rated	kW	0.09		
		Operating Current (max)	A	0.43		
	Dimensions <Panel>	H x W x D	mm	280 - 1136 - 650		
	Weight <Panel>		kg	41		
	Air Volume [Lo-Hi]		m ³ /min	17 - 19		
	Sound Level (SPL) [Lo-Hi]		dB(A)	34 - 38		
	Sound Level (PWL)		dB(A)	56		
	Outdoor Unit	Dimensions	H x W x D	mm	943 - 950 - 330 (+30)	
			Weight	kg	70	
		Air Volume	Cooling	m ³ /min	55.0	55.0
Heating			m ³ /min	55.0	55.0	
Sound Level (SPL)		Cooling	dB(A)	47	47	
		Heating	dB(A)	48	49	
Sound Level (PWL)		Cooling	dB(A)	67	67	
		Operating Current (max)	A	19.0	19.0	
Breaker Size		A	25	25		
Ext. Piping		Diameter	Liquid / Gas	mm	9.52 / 15.88	9.52 / 15.88
	Max. Length	Out-In	m	50	50	
	Max. Height	Out-In	m	30	30	
Guaranteed Operating Range [Outdoor]	Cooling*3	°C	-15 ~ +46	-15 ~ +46		
	Heating	°C	-20 ~ +21	-20 ~ +21		

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