SELECTION

Line-up includes a selection of eight indoor units and four series of outdoor units.
Easily construct a system that best matches room air conditioning needs.

STEP 1 SELECT INDOOR UNIT

Select the optimum indoor unit and capacity based on room size and shape.

4-way ceiling-cassette
PLA-ZP EA
PLA-RP EA

Ceiling-concealed
PEAD-JA(L)Q

Floor-standing
PSA-KA

Ceiling-suspended
PCA-KAQ

Professional Kitchen
PCA-HAQ

Wall-mounted
PKA-HAL

Wall-mounted
PKA-KAL

Ceiling-concealed
PEA-GAQ

STEP 2 SELECT OUTDOOR UNIT

The best outdoor unit for the system depends on the combination of functions desired (e.g. energy savings, system capacity, long pipe length).
Check the specifications of the system you need, and then select the optimum outdoor unit series.

Power Inverter

PUHZ-ZRP100/125/140/200/250

PUHZ-ZRP60/71

PUHZ-ZRP35/50

Standard Inverter

PUHZ-P200/250

PUHZ-P125/140

PUHZ-P100

SUZ-KA50/60/71*

SUZ-KA35*

* Some indoor units cannot be used with this unit.

To confirm compatibility with the MXZ Series, refer to the MXZ Series page.

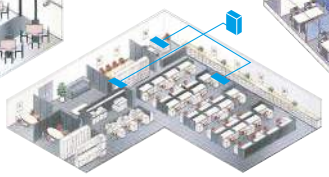
STEP 3 SELECT COMBINATION

Choose the installation pattern for the indoor units. (In the case of a multi-system, distribution piping is necessary, so please select the necessary piping as well.)

Single System

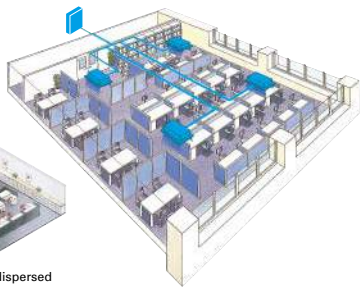
Simultaneous Multi-System

Twin Allows simultaneous operation of two indoor units on one floor.



Triple Can cover a large-scale space or dispersed installation on the same floor.

Quadruple Realises the optimum temperature distribution even in a large space.



Connectable Combinations for Inverter Units (PUHZ-ZRP / PUHZ-P)

Outdoor Unit Capacity	Indoor Unit Capacity		
	Twin 50 : 50	Triple 33 : 33 : 33	Quadruple 25 : 25 : 25 : 25
71	35 × 2	—	—
100	50 × 2	—	—
125	60 × 2	—	—
140	71 × 2	50 × 3	—
200	100 × 2	60 × 3	50 × 4
250	125 × 2	71 × 3	60 × 4
Distribution Pipe	MSDD-50TR-E MSDD-50WR-E	MSDT-111R-E	MSDF-1111R-E

Notes: 1) Indoor unit combinations with floor-standing (PS) units and other types are impossible.
2) The distribution pipe listed is required for simultaneous multi-systems.

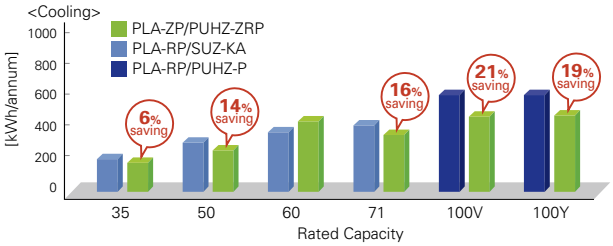
Power Inverter SERIES

Our new Power Inverter Series is designed to achieve industry-leading seasonal energy-efficiency through use of new technologies and high-performance compressor. Installation is now even easier thanks to outdoor units with a side-flow configuration, a maximum piping length of 100m and pipe-replacement technologies.

Industry-leading Energy Efficiency in New Seasonal Ratings

Industry-leading energy efficiency has been achieved through optimisation of a newly designed compressor and use of the latest energy-saving technologies. The new Power Inverter Series, designed to realise outstanding seasonal energy-efficiency, achieves high energy-efficiency rankings of A^{+} or A^{++} for both cooling and heating in most categories. Annual power consumption has been drastically reduced to realise savings in operating cost.

Annual electricity consumption comparison (PLA-ZP/PUHZ-ZRP vs PLA-RP/PUHZ-RP)



✻ Results are based on our own simulations. Actual power consumption may vary depending on how and where the units are used.

Energy Rank (Cooling/Heating)

Series		35V	50V	60V	71V	100V
4-way ceiling cassette	PLA-ZP EA	A^{++}/A^{++}	A^{++}/A^{++}	A^{++}/A^{++}	A^{++}/A^{++}	A^{++}/A^{++}
	PLA-RP EA	A^{++}/A^{+}	A^{++}/A^{+}	A^{++}/A^{+}	A^{++}/A^{+}	A^{+}/A^{+}
Wall-mounted	PKA-HAL/KAL	A^{+}/A	A/A^{+}	A^{++}/A^{+}	A^{++}/A^{+}	A^{++}/A^{+}
Ceiling-suspended	PCA-KAQ	A^{++}/A^{+}	A^{+}/A^{+}	A^{++}/A^{+}	A^{++}/A^{+}	A^{+}/A
	PCA-HAQ	–	–	–	A^{+}/A	–
Floor-standing	PSA-KA	–	–	–	A^{++}/A^{+}	A^{+}/A^{+}
Ceiling-concealed	PEAD-JAQ	A^{+}/A^{+}	A^{+}/A^{+}	A^{++}/A^{+}	A^{+}/A	A^{+}/A^{+}

✻ The ErP Directive (Lot 10) applies to air conditioners of rated capacity up to 12kW.

ADVANCED ENERGY-SAVING TECHNOLOGIES

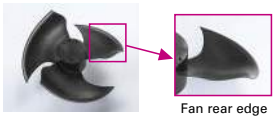
Highly efficient fan for outdoor unit

Fan opening of 550mm <100-250>

The opening for the fan in the outdoor unit is 550mm in diameter. By exchanging heat more efficiently, this will contribute to energy-saving and low noise level.

Improved fan <100–250>

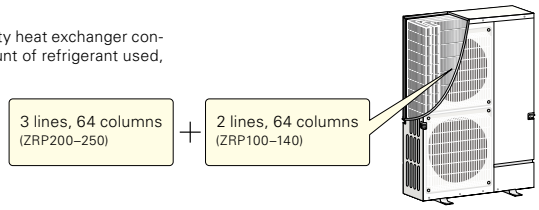
A newly designed fan has been adopted, increasing airflow capacity and reducing operation noise.



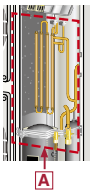
Highly efficient heat exchanger

High-density heat exchanger <100–250>

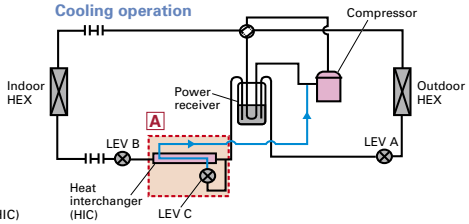
ZRP 100-250 use 7.94mm-diameter pipe. The high-density heat exchanger contributes to efficient heat exchange and reduces the amount of refrigerant used, which is better for the environment.



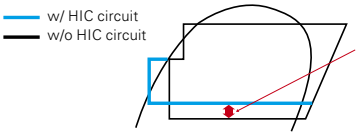
Heat Interchanger (HIC) Added <140>



Heat Interchanger (HIC)



A HIC circuit has been added to improve energy efficiency during cooling operation. Liquid refrigerant is rerouted, transformed into a gas state and injected back into the system to increase overall pressure of the refrigerant being sent to the compressor, thereby reducing the load on the compressor and raising efficiency.



Side-flow Outdoor Units

All operating capacities have been unified to the side-flow configuration. Even for locations requiring large capacities, the small footprint of these outdoor units enable them to be used anywhere.

PUHZ-ZRP35/50

PUHZ-ZRP60/71

PUHZ-ZRP100/125/140/200/250

Twin Rotary Compressor (PUHZ-ZRP35/50/60/71)

Powerful yet high-efficiency rotary compressors that make use of Mitsubishi Electric technologies to achieve industry-leading energy efficiency under the new seasonal ratings. Annual power consumption has been significantly reduced compared to conventional units thanks to original Mitsubishi Electric technologies: "Poki-Poki Motors", "Heat Caulking Fixing Method, "Divisible Middle Plate" and "Flat Induction Pipe."

DC Scroll Compressor (PUHZ-ZRP100/125/140/200/250)

Our newly developed DC scroll compressor realises higher efficiency at partial load, which accounts for most of the operating time in both cooling and heating modes. The asymmetrically shaped scroll contributes to higher SEER and SCOP values and greatly reduces the annual power consumption. Compression efficiency is also improved through optimised compression and reduction of refrigerant pressure loss.

3-phase Power-supply Inverter (100–250)

Incorporation of a 3-phase power-supply realises a dramatic reduction in operating current. This special technology is equipped in outdoor units to ensure compliance with electromagnetic compatibility regulations in Europe.

Operating current comparison (for combinations using 4-way ceiling cassettes)

Power Supply		PUHZ-ZRP100YKA3	PUHZ-ZRP125YKA3	PUHZ-ZRP140YKA3
3-phase	Max.	8.7	10.3	12.1
	Breaker size	16	16	16
Power Supply		**PUHZ-ZRP100VKA3**	**PUHZ-ZRP125VKA3**	**PUHZ-ZRP140VKA3**
1-phase	Max.	27.2	27.3	29.1
	Breaker size	32	32	40

Long Pipe Length

The maximum piping length is 100m*, enabling wide-ranging layout possibilities for unit installation.

Model	Max. Pipe Length	Max. Height Difference
PUHZ-ZRP35/50	50m	30m
PUHZ-ZRP60/71	50m	30m
PUHZ-ZRP100/125/140	75m	30m
PUHZ-ZRP200/250	100m	30m

When the total control/power cable length exceeds 80m, separate power sources are required for the indoor and outdoor units. (An optional power-supply terminal kit is needed for indoor units with no power-supply terminal block.)
*PUHZ-ZRP200/250 only

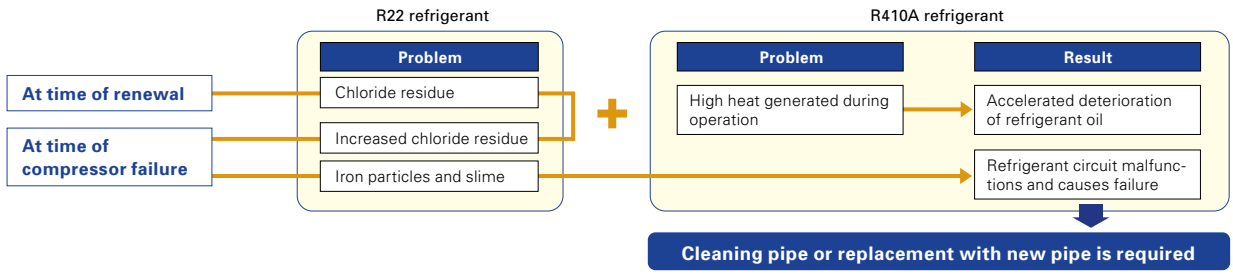
Cleaning-free Pipe Reuse Technology

Ability to use existing piping reduces pipe waste and replacement time

No Need to Clean at the Time of System Renewal*

Chloride residue builds up in existing pipes and becomes a source of trouble. In addition, the iron particles and slime produced as a result of compressor failure lead to problems. To counter this, various original Mitsubishi Electric technologies have been combined to enable the introduction of "cleaning-free pipe reuse."

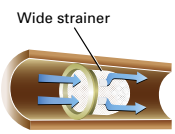
Why can't existing piping be used?



Mitsubishi Electric's Original Replacement Technologies

Countermeasure for Problem 1

Technology 1
Original High-quality Filtration
Our original high-quality filtration device called the "wide strainer" is equipped inside the refrigerant inlet and outlet pipe. The "wide strainer" traps iron particles and realises cleaning-free pipe reuse. In addition, improvements to the metal used in the bearings of our new scroll compressors realise more robust units.



Countermeasure for Problem 2

Technology 2
Friction Reduction (moving parts in compressor)
Friction inside the compressor is reduced by using an original Mitsubishi Electric technology called the "Heat Caulking Fixing Method" or coating the edge of the blade in the scroll compressor, thereby suppressing the increase in temperature that causes refrigerant oil deterioration.

Existing piping can be used without cleaning

***Cautions when using existing piping**
- When removing an old air conditioning unit, please make sure to perform the pump-down process and recover the refrigerant and refrigerant oil.
- Check to ensure that the piping diameter and thickness match Mitsubishi Electric specifications.
- Check to ensure that the flare is compatible with R410A.

PLA-ZP35/50/60/71/100/125/140EA
PLA-RP35/50/60/71/100/125/140EA

PLA SERIES

A complete line-up including deluxe units that offer added energy savings. The incorporation of wide air-outlet and the "3D i-see Sensor" enhances airflow distribution control, achieving an enhanced level of comfort throughout the room. The synergy of higher energy efficiency and more comfortable room environment results in the utmost user satisfaction.

Deluxe 4-way Cassette Line-up

For users seeking even further energy savings, Mitsubishi Electric now offers deluxe units (PLA-ZP) to complete the line-up of models in this series, from 35-140. Compared to the standard models (PLA-RP), deluxe models provide additional energy savings, contributing to a significant reduction in electricity costs.

■Line-up

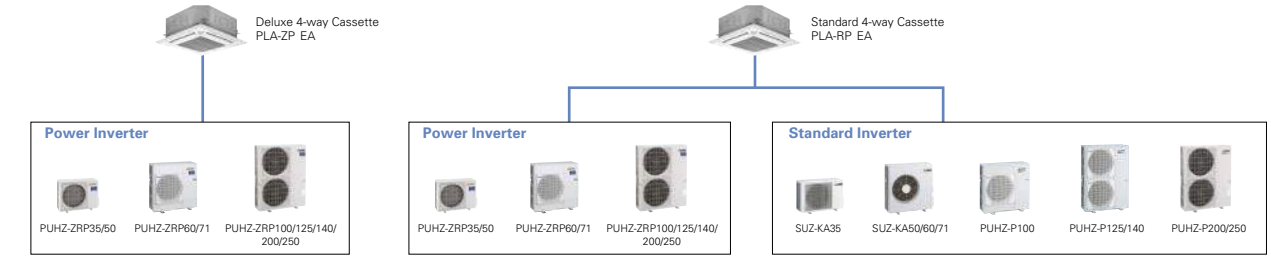
Series \ Model	35	50	60	71	100	125	140
Deluxe 4-way Cassette (PLA-ZP)	● PLA-ZP35EA	● PLA-ZP50EA	● PLA-ZP60EA	● PLA-ZP71EA	● PLA-ZP100EA	● PLA-ZP125EA	● PLA-ZP140EA
Standard 4-way Cassette (PLA-RP)	● PLA-RP35EA	● PLA-RP50EA	● PLA-RP60EA	● PLA-RP71EA	● PLA-RP100EA	● PLA-RP125EA	● PLA-RP140EA

■Key Technologies for Higher Energy Efficiency

3D Turbo Fan

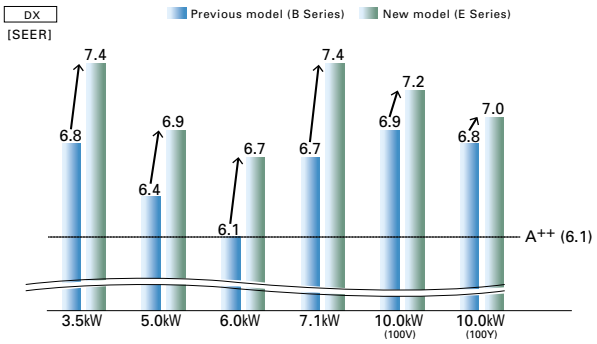
By optimizing the fan wing design using a three-dimensional shape, efficiency has been improved and operating noise reduced.

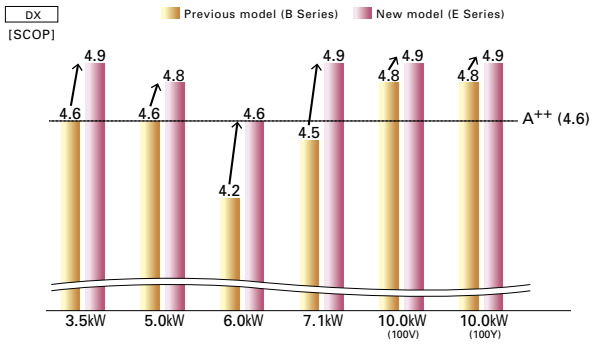
■Indoor/Outdoor Unit Combinations

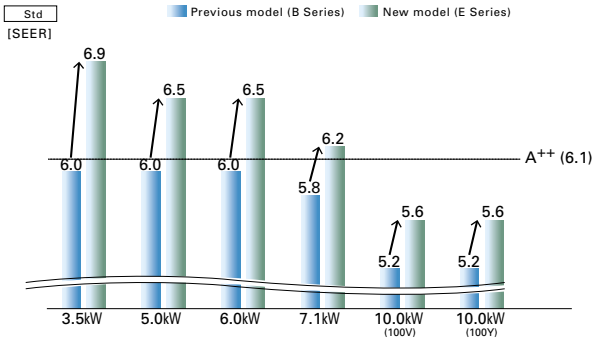


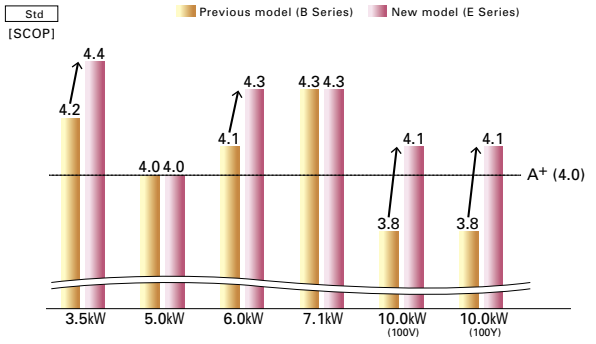
Energy-saving Performance

SEER/SCOP has been greatly improved, realizing industry-leading energy-saving features.





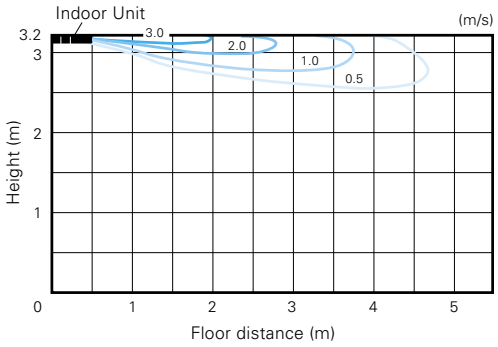




Horizontal Airflow

The new airflow control removes that uncomfortable drafty feeling with the introduction of a horizontal airflow that spreads across the ceiling. The ideal airflow for offices and restaurants.

[Horizontal airflow]
Model name: PLA-ZP140EA
Ceiling height: 3.2m
Mode: Cooling



Automatic Grille Lowering Function (PLP-6EAJ)

An automatic grille lowering function is available for easy filter maintenance. Special wired and wireless remote controllers can be used to lower the intake grille for maintenance.

Grille Elevation Remote Controller
(comes with the automatic elevation panel)

Wired Remote Controller

Wireless Remote Controller

Easy Installation

Electrical box wiring

After reviewing the power supply terminal position in the electrical box, the structure was redesigned to improve connectivity. This has made previously complex wiring work easier.

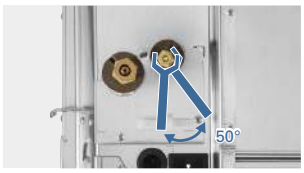
■ Previous model (B Series)

■ New model (E Series)

Increased space for plumbing work

The top and bottom positions of the liquid and gas pipes have been reversed to allow the gas pipe work, which requires more effort, to be completed first. Further, through structural innovations related to the space around the pipes, the area where the spanner can be moved has been increased, thus improving liquid pipe work and enabling it to be completed smoothly.

■ Previous model (B Series)



■ New model (E Series)

Temporary hanging hook

The structure of the panel has been revised and is now equipped with a temporary hanging hook. This has improved work efficiency during panel installation.

No need to remove screws

Installation is possible without removing the screws for the corner panel and the control box, simply loosen them. This lowers the risk of losing screws.

■ Corner panel

■ Control box cover

Lightweight decorative panel

After reviewing the structure and materials, weight has been reduced approximately 20% compared to the previous model, reducing the burden of installation.

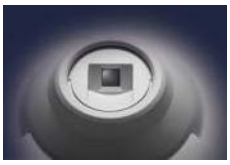
3D i-see Sensor for S & P SERIES

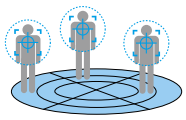
Detects number of people

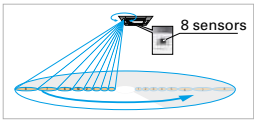
3D i-see Sensor detects the number of people in the room and sets the air-conditioning power accordingly. This makes automatic power-saving operation possible in places where the number of people entering and exiting is large. Additionally, when the area is continuously unoccupied, the system switches to a more enhanced power-saving mode. Depending on the setting, it will save additional capacity or stop operation altogether.

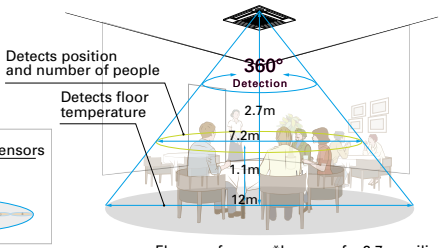
Detects people's position

Once the position of a person is detected, the duct angle of the vane is automatically adjusted in that direction. Each vane can be independently set to "block wind" or "not block wind" according to taste.









Floor surface *In case of a 2.7m ceiling

Detects number of people

Room occupancy energy-saving mode

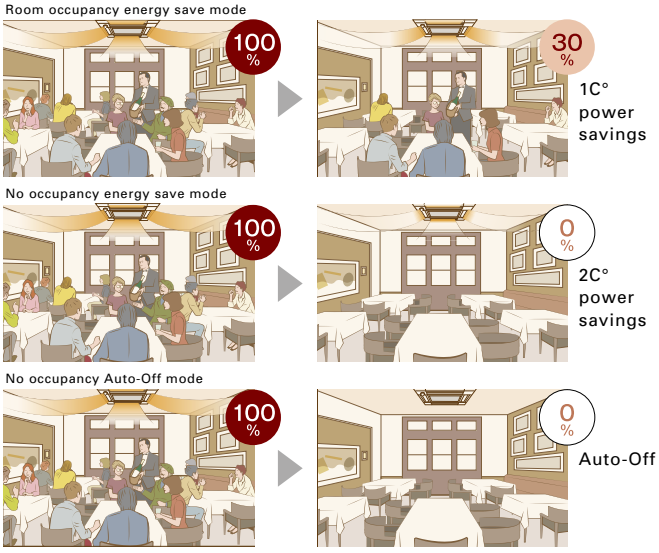
The 3D i-see Sensor detects the number of people in the room. It then calculates the occupancy rate based on the maximum number of people in the room up to that point in time in order to save air-conditioning power. When the occupancy rate is approximately 30%, air-conditioning power equivalent to 1°C during both cooling and heating operation is saved. The temperature is controlled according to the number of people.

No occupancy energy-saving mode

When 3D i-see Sensor detects that no one is in the room, the system is switched to a pre-set power-saving mode. If the room remains unoccupied for more than 60min, air-conditioning power equivalent to 2°C during both cooling and heating operation is saved. This contributes to preventing waste in terms of heating and cooling.

No occupancy Auto-OFF mode

When the room remains unoccupied for a pre-set period of time, the air conditioner turns off automatically, thereby providing even greater power savings. The time until operation is stopped can be set in intervals of 10min, ranging from 60 to 180 min.

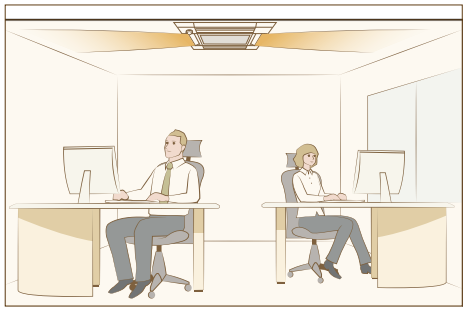


*PAR-32MAA is required for each setting

Detects people's position

Direct/Indirect settings*

Some people do not like the feel of wind, some want to be warm from head to toe. People's likes and dislikes vary. With the 3D i-see Sensor, it is possible to choose to block or not block to the wind for each vane.

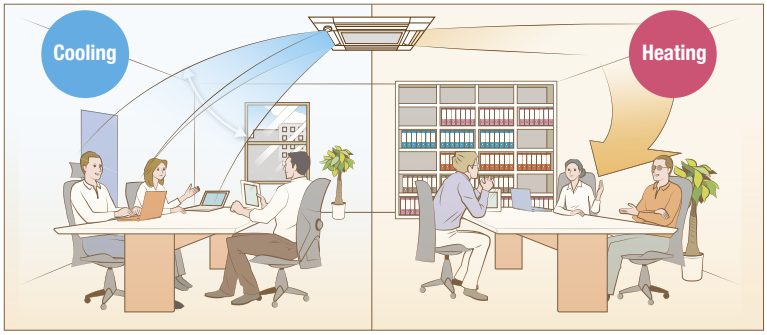


*PAR-32MAA or PAR-SL100A-E is required for each setting.

Seasonal airflow*

<When cooling>
Saves energy while keeping a comfortable effective temperature by automatically switching between ventilation and cooling. When a pre-set temperature is reached, the air conditioning unit switches to swing fan operation to maintain the effective temperature. This clever function contributes to keeping a comfortable coolness.

<When heating>
The air conditioning unit automatically switches between circulator and heating. Wasted heat that accumulates near the ceiling is reused via circulation. When a pre-set temperature is reached the air conditioner switches from heating to circulator and blows air in the horizontal direction. It pushes down the warm air that has gathered near the ceiling to people's height, thereby providing smart heating.



*PAR-32MAA is required for each setting.

SERIES SELECTION

Power Inverter Series

Indoor Unit

Panel PLA-ZP35/50/60/71/100/125/140EA

Panel	With Signal Receiver	With 3D i-see Sensor	With Wireless Remote Controller	With Auto Elevation
PLP-6EA				
PLP-6EAL	✓			
PLP-6EAE		✓		
PLP-6EALE	✓	✓		
PLP-6EAJ	✓			✓
PLP-6EAJE	✓	✓		✓
PLP-6EALM	✓		✓	
PLP-6EALME	✓	✓	✓	

Outdoor Unit

For Single


PUHZ-ZRP35/50


PUHZ-ZRP60/71


PUHZ-ZRP100/125/140

For Multi (Twin/Triple/Quadruple)


PUHZ-ZRP71


PUHZ-ZRP100/125/140/200/250

Remote Controller


Optional


Optional


✻ Enclosed in PLP-6EALM/PLP-6EALME

Standard Inverter Series

Indoor Unit

Panel PLA-RP35/50/60/71/100/125/140EA

Panel	With Signal Receiver	With 3D i-see Sensor	With Wireless Remote Controller	With Auto Elevation
PLP-6EA				
PLP-6EAL	✓			
PLP-6EAE		✓		
PLP-6EALE	✓	✓		
PLP-6EAJ	✓			✓
PLP-6EAJE	✓	✓		✓
PLP-6EALM	✓		✓	
PLP-6EALME	✓	✓	✓	

Outdoor Unit

For Single


SUZ-KA35


SUZ-KA50/60/71


PUHZ-P100


PUHZ-P125/140

For Multi (Twin/Triple/Quadruple)


PUHZ-P100


PUHZ-P125/140


PUHZ-P200/250

Remote Controller


Optional


Optional


✻ Enclosed in PLP-6EALM/PLP-6EALME

PLZ-ZP/RP EA 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	

PLZ-RP SERIES

POWER INVERTER

EUROVENT CERTIFIED PERFORMANCE

i-see Sensor (Optional) · Demand Control (Optional) · Pure White · AUTO VANE · Fresh-air Intake · High-efficiency (Optional) · Long Life · Check! · SWING · High Ceiling · Low Ceiling · AUTO · ACO · Auto Restart · Low Temp Cooling

Silent · Ampere Limit (60-140V/200/250) · Rotation Back-up (Optional) · (Optional) · Group Control · M-NET connection (Optional) · COMPO · Wi-Fi Interface (Optional) · Cleaning-free pipe reuse · Wiring Reuse (Optional) · Drain Lift Up · Pump Down · Flare connection · Self Diagnosis · Failure Recall

Type				Inverter Heat Pump									
Indoor Unit				PLA-ZP35EA	PLA-ZP50EA	PLA-ZP60EA	PLA-ZP71EA	PLA-ZP100EA		PLA-ZP125EA		PLA-ZP140EA	
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 - 6.5	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	0.78	1.33	1.66	1.79	2.20	2.20	3.84	3.84	4.36	4.36
	EER			–	–	–	–	–	–	3.25	3.25	3.07	3.07
		EEL Rank		–	–	–	–	–	–	–	–	–	–
	Design Load		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		kWh/a	170	253	318	336	461	472	650	661	732	743
	SEER			7.4	6.9	6.7	7.4	7.2	7.0	6.7*4	6.6*4	6.4*4	6.3*4
		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	14.0	14.0	16.0	16.0
		Min - Max	kW	1.6 - 5.2	2.5 - 7.3	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	0.85	1.55	1.89	1.90	2.60	2.60	3.67	3.67	4.84	4.84
	COP			–	–	–	–	–	–	3.81	3.81	3.30	3.30
		EEL Rank		–	–	–	–	–	–	–	–	–	–
	Design Load		kW	2.5	3.8	4.4	4.7	7.8	7.8	9.3	9.3	10.6	10.6
	Declared Capacity	at reference design temperature	kW	2.5 (–10°C)	3.8 (–10°C)	4.4 (–10°C)	4.7 (–10°C)	7.8 (–10°C)	7.8 (–10°C)	9.3 (–10°C)	9.3 (–10°C)	10.6 (–10°C)	10.6 (–10°C)
		at bivalent temperature	kW	2.5 (–10°C)	3.8 (–10°C)	4.4 (–10°C)	4.7 (–10°C)	7.8 (–10°C)	7.8 (–10°C)	9.3 (–10°C)	9.3 (–10°C)	10.6 (–10°C)	10.6 (–10°C)
		at operation limit temperature	kW	2.1 (–11°C)	3.7 (–11°C)	2.8 (–20°C)	3.5 (–20°C)	5.8 (–20°C)	5.8 (–20°C)	7.0 (–20°C)	7.0 (–20°C)	7.9 (–20°C)	7.9 (–20°C)
	Back Up Heating Capacity		kW	0	0	0	0	0	0	0	0	0	0
	Annual Electricity Consumption*2		kWh/a	714	1109	1337	1342	2229	2229	2768	2768	3297	3297
	SCOP			4.9	4.8	4.6	4.9	4.9	4.9	4.7*4	4.7*4	4.5*4	4.5*4
		Energy Efficiency Class		A++	A++	A++	A++	A++	A++	–	–	–	–
Operating Current (max)			A	13.2	13.2	19.2	19.3	27.0	8.5	27.0	10.0	28.7	13.7
Indoor Unit	Input	Rated	kW	0.03	0.03	0.03	0.05	0.07	0.07	0.08	0.08	0.10	0.10
	Operating Current (max)		A	0.21	0.22	0.22	0.34	0.47	0.47	0.52	0.52	0.66	0.66
	Dimensions <Panel>	H × W × D	mm	258 - 840 - 840 <40 - 950 - 950>				298 - 840 - 840 <40 - 950 - 950>					
	Weight <Panel>		kg	21 <5>			24 <5>	26 <5>	26 <5>	27 <5>	27 <5>	27 <5>	27 <5>
	Air Volume [Lo-Mi2-Mi1-Hi]		m³/min	11-13-15-16	12-14-16-18	12-14-16-18	17-19-21-23	19-22-25-28	19-22-25-28	21-24-26-29	21-24-26-29	24-26-29-32	24-26-29-32
	Sound Level (SPL) [Lo-Mi2-Mi1-Hi]		dB(A)	26-28-29-31	27-29-31-32	27-29-31-32	28-30-33-36	31-34-37-40	31-34-37-40	33-36-39-41	33-36-39-41	36-39-42-44	36-39-42-44
	Sound Level (PWL)		dB(A)	51	54	54	57	61	61	62	62	65	65
Outdoor Unit	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	°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 1kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 1975 times higher than 1kg of CO_2, 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.
*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/SCOP values are measured based on EN14825. These values are reference purpose only.

PLZ-P SERIES

STANDARD INVERTER

EUROVENT CERTIFIED PERFORMANCE

i-see Sensor (Optional) · PUHZ Demand Control (Optional) · Pure White · AUTO VANE · Fresh-air Intake · High-efficiency (Optional) · Long Life · Check! · SWING · High Ceiling · Low Ceiling · AUTO · ACO · Auto Restart · Low Temp Cooling

PUHZ Silent · PUHZ Rotation Back-up (Optional) · (Optional) · PUHZ Group Control · SUZ Group Control (Optional) · M-NET connection (Optional) · PUHZ COMPO · Wi-Fi Interface (Optional) · MXZ connection · Cleaning-free pipe reuse · PUHZ Wiring Reuse (Optional) · Drain Lift Up · PUHZ Pump Down · Flare connection · Self Diagnosis · Failure Recall

Type				Inverter Heat Pump									
Indoor Unit				PLA-RP35EA	PLA-RP50EA	PLA-RP60EA	PLA-RP71EA	PLA-RP100EA		PLA-RP125EA		PLA-RP140EA	
Outdoor Unit				SUZ-KA35VA6	SUZ-KA50VA6	SUZ-KA60VA6	SUZ-KA71VA6	PUHZ-P100VHA5	PUHZ-P100YHA3	PUHZ-P125VHA4	PUHZ-P125YHA2	PUHZ-P140VHA4	PUHZ-P140YHA2
Refrigerant				R410A*1									
Power Supply	Source			Outdoor power supply									
	Outdoor (V/Phase/Hz)			VA・VHA:230 / Single / 50, YHA:400 / Three / 50									
Cooling	Capacity	Rated	kW	3.6	5.5	5.7	7.1	9.4	9.4	12.3	12.3	13.6	13.6
		Min - Max	kW	1.4 - 3.9	2.3 - 5.6	2.3 - 6.3	2.8 - 8.1	4.9 - 11.2	4.9 - 11.2	5.5 - 14.0	5.5 - 14.0	5.5 - 15.0	5.5 - 15.0
	Total Input	Rated	kW	1.02	1.61	1.76	2.10	3.48	3.48	4.08	4.08	5.21	5.21
	EER			–	–	–	–	–	–	3.01	3.01	2.61	2.61
		EEL Rank		–	–	–	–	–	–	B	B	D	D
	Design Load		kW	3.6	5.5	5.7	7.1	9.4	9.4	–	–	–	–
	Annual Electricity Consumption*2		kWh/a	181	295	307	400	584	584	–	–	–	–
	SEER			6.9	6.5	6.5	6.2	5.6	5.6	–	–	–	–
		Energy Efficiency Class		A++	A++	A++	A++	A+	A+	–	–	–	–
Heating (Average Season)	Capacity	Rated	kW	4.1	5.8	6.9	8.0	11.2	11.2	14.0	14.0	16.0	16.0
		Min - Max	kW	1.7 - 5.0	1.7 - 7.2	2.5 - 8.0	2.6 - 10.2	4.5 - 12.5	4.5 - 12.5	5.0 - 16.0	5.0 - 16.0	5.0 - 18.0	5.0 - 18.0
	Total Input	Rated	kW	1.00	1.69	1.97	2.24	3.28	3.28	4.10	4.10	4.98	4.98
	COP			–	–	–	–	–	–	3.41	3.41	3.21	3.21
		EEL Rank		–	–	–	–	–	–	B	B	C	C
	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)	4.0 (–10°C)	4.7 (–10°C)	6.3 (–10°C)	6.3 (–10°C)	–	–	–	–
		at bivalent temperature	kW	2.3 (–7°C)	3.8 (–7°C)	4.1 (–7°C)	5.1 (–7°C)	7.0 (–7°C)	7.0 (–7°C)	–	–	–	–
		at operation limit temperature	kW	2.3 (–10°C)	3.8 (–10°C)	4.0 (–10°C)	4.7 (–10°C)	5.0 (–15°C)	5.0 (–15°C)	–	–	–	–
	Back Up Heating Capacity		kW	0.3	0.5	0.6	1.1	1.7	1.7	–	–	–	–
	Annual Electricity Consumption*2		kWh/a	826	1505	1498	1888	2717	2717	–	–	–	–
	SCOP			4.4	4.0	4.3	4.3	4.1	4.1	–	–	–	–
		Energy Efficiency Class		A+	A+	A+	A+	A+	A+	–	–	–	–
Operating Current (max)			A	8.4	12.2	14.2	16.4	28.5	13.5	28.7	13.7	30.2	13.7
Indoor Unit	Input	Rated	kW	0.03	0.03	0.03	0.04	0.07	0.07	0.10	0.10	0.10	0.10
	Operating Current (max)		A	0.20	0.22	0.24	0.27	0.46	0.46	0.66	0.66	0.66	0.66
	Dimensions <Panel>	H × W × D	mm	258 - 840 - 840 <40 - 950 - 950>				298 - 840 - 840 <40 - 950 - 950>					
	Weight <Panel>		kg	19 <5>	19 <5>	21 <5>	21 <5>	24 <5>	24 <5>	26 <5>	26 <5>	26 <5>	26 <5>
	Air Volume [Lo-Mi2-Mi1-Hi]		m³/min	11-13-15-16	12-14-16-18	12-14-16-18	14-17-19-21	19-23-26-29	19-23-26-29	21-25-28-31	21-25-28-31	24-26-29-32	24-26-29-32
	Sound Level (SPL) [Lo-Mi2-Mi1-Hi]		dB(A)	26-28-29-31	27-29-31-32	27-29-31-32	28-30-32-34	31-34-37-40	31-34-37-40	33-37-41-44	33-37-41-44	36-39-42-44	36-39-42-44
	Sound Level (PWL)		dB(A)	51	54	54	56	61	61	65	65	65	65
Outdoor Unit	Dimensions	H × W × D	mm	550 - 800 - 285		880 - 840 - 330		943 - 950 - 330 (+30)		1350 - 950 - 330 (+30)			
	Weight		kg	35	54	50	53	75	77	99	101	99	101
	Air Volume	Cooling	m³/min	36.3	44.6	40.9	50.1	60	60	119	119	119	119
		Heating	m³/min	34.8	44.6	49.2	48.2	60	60	100	100	100	100
	Sound Level (SPL)	Cooling	dB(A)	49	52	55	55	50	50	54	54	55	55
		Heating	dB(A)	50	52	55	55	54	54	55	55	56	56
	Sound Level (PWL)	Cooling	dB(A)	62	65	65	69	70	70	74	74	75	75
	Operating Current (max)		A	8.2	12.0	14.0	16.1	28.0	13.0	28.0	13.0	29.5	13.0
	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	50	50	50	50	50
	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

*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 1kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 1975 times higher than 1kg of CO_2, 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.
*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/SCOP values are measured based on EN14825. These values are reference purpose only.

PLZ-RP SERIES
POWER INVERTER

Type				Inverter Heat Pump									
Indoor Unit				PLA-RP35EA	PLA-RP50EA	PLA-RP60EA	PLA-RP71EA	PLA-RP100EA		PLA-RP125EA		PLA-RP140EA	
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 - 6.5	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	0.83	1.42	1.75	1.87	2.23	2.23	3.87	3.87	4.39	4.39
	EER			–	–	–	–	–	–	3.23	3.23	3.05	3.05
		EEL Rank		–	–	–	–	–	–	–	–	–	–
	Design Load		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		kWh/a	174	258	321	341	465	476	832	850	812	811
	SEER			7.2	6.7	6.6	7.2	7.1	6.9	5.2*4	5.1*4	5.8*4	5.8*4
		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	14.0	14.0	16.0	16.0
		Min - Max	kW	1.6 - 5.8	2.5 - 7.3	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	0.92	1.81	2.07	2.11	2.69	2.69	3.77	3.77	4.90	4.90
	COP			–	–	–	–	–	–	3.71	3.71	3.26	3.26
		EEL Rank		–	–	–	–	–	–	–	–	–	–
	Design Load		kW	2.5	3.8	4.4	4.7	7.8	7.8	9.3	9.3	10.6	10.6
	Declared Capacity	at reference design temperature	kW	2.5 (–10°C)	3.8 (–10°C)	4.4 (–10°C)	4.7 (–10°C)	7.8 (–10°C)	7.8 (–10°C)	9.3 (–10°C)	9.3 (–10°C)	10.6 (–10°C)	10.6 (–10°C)
		at bivalent temperature	kW	2.5 (–10°C)	3.8 (–10°C)	4.4 (–10°C)	4.7 (–10°C)	7.8 (–10°C)	7.8 (–10°C)	9.3 (–10°C)	9.3 (–10°C)	10.6 (–10°C)	10.6 (–10°C)
		at operation limit temperature	kW	2.1 (–11°C)	3.7 (–11°C)	2.8 (–20°C)	3.5 (–20°C)	5.8 (–20°C)	5.8 (–20°C)	7.0 (–20°C)	7.0 (–20°C)	7.9 (–20°C)	7.9 (–20°C)
	Back Up Heating Capacity		kW	0	0	0	0	0	0	0	0	0	0
	Annual Electricity Consumption*2		kWh/a	764	1212	1418	1402	2468	2468	3336	3336	3709	3709
	SCOP			4.5	4.3	4.3	4.6	4.4	4.4	3.9*4	3.9*4	4.0*4	4.0*4
		Energy Efficiency Class		A+	A+	A+	A++	A+	A+	–	–	–	–
Operating Current (max)			A	13.2	13.2	19.2	19.3	27.0	8.5	27.2	10.2	28.7	13.7
Indoor Unit	Input	Rated	kW	0.03	0.03	0.03	0.04	0.07	0.07	0.10	0.10	0.10	0.10
	Operating Current (max)		A	0.20	0.22	0.24	0.27	0.46	0.46	0.66	0.66	0.66	0.66
	Dimensions <Panel>	H x W x D	mm	258 - 840 - 840 <40 - 950 - 950>				298 - 840 - 840 <40 - 950 - 950>					
	Weight <Panel>		kg	19 <5>	19 <5>	21 <5>	21 <5>	24 <5>	24 <5>	26 <5>	26 <5>	26 <5>	26 <5>
	Air Volume [Lo-Mi2-Mi1-Hi]		m^3/min	11-13-15-16	12-14-16-18	12-14-16-18	14-17-19-21	19-23-26-29	19-23-26-29	21-25-28-31	21-25-28-31	24-26-29-32	24-26-29-32
	Sound Level (SPL) [Lo-Mi2-Mi1-Hi]		dB(A)	26-28-29-31	27-29-31-32	27-29-31-32	28-30-32-34	31-34-37-40	31-34-37-40	33-37-41-44	33-37-41-44	36-39-42-44	36-39-42-44
	Sound Level (PWL)		dB(A)	51	54	54	56	61	61	65	65	65	65
Outdoor Unit	Dimensions	H x W x 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	m^3/min	45	45	55	55	110	110	120	120	120	120
		Heating	m^3/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	°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 CO_2, 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.
*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/SCOP values are measured based on EN14825. These values are reference purpose only.

PEAD SERIES

PEAD-RP35/50/60/71/100/125/140JA(L)Q

The thin, ceiling-concealed indoor units of this series are the perfect answer for the air conditioning needs of buildings with minimum ceiling installation space and wide-ranging external static pressure. Energy-saving efficiency has been improved, reducing electricity consumption and contributing to a further reduction in operating cost.

Compact Indoor Units

The height of the models from 35–140 has been unified to 250mm. Compared to the previous PEAD-RP EA model, the height has been reduced by as much as 75mm (models 100–140), making installation in low ceilings with minimal clearance space possible.

PEAD-RP JA(L)Q

Reduction of **75mm** (models 100–140) compared to PEAD-EA

External Static Pressure

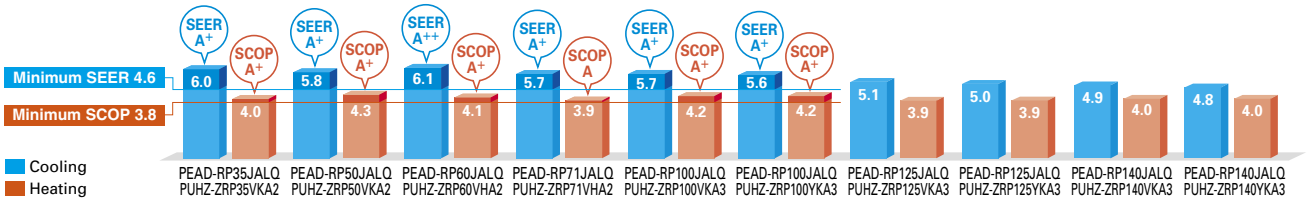
External static pressure conversion can be set up to five stages. Capable of being set to a maximum of 150Pa, units are applicable to a wide range of building types.

■External static pressure setting

Series	35	50	60	71	100	125	140
PEAD-RP EA	30/70Pa			70/130 (with optional motor) Pa			
PEAD-RP GA	–	–	10/50/70Pa			–	–
PEAD-RP JA	**35/50/70/100/150Pa**						

ErP Lot 10-compliant, Achieving High Energy Efficiency of SEER/SCOP Rank A+ and A++

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



✻ For products with capacity over 10.0kW, SEER/SCOP values are measured based on EN14825. These values are for reference purposes only.

Drain Pump Option Available with All Models

The line-up consists of two types, models with or without a built-in drain pump.

PEAD-RP JAQ → Drain pump built-in

PEAD-RP JALQ → No drain pump

✻ Units with an "L" included at the end of the model name are not equipped with a drain pump.

SERIES SELECTION

Power Inverter Series

Indoor Unit

PEAD-RP35/50/60/71/100/125/140

Outdoor Unit

For Single

PUHZ-ZRP35/50

PUHZ-ZRP60/71

PUHZ-ZRP100/125/140

For Multi
(Twin/Triple/Quadruple)

PUHZ-ZRP71

PUHZ-ZRP100/125/140/200/250

Remote Controller

Optional

Optional

Optional

Standard Inverter Series

Indoor Unit

PEAD-RP35/50/60/71/100/125/140

Outdoor Unit

For Single

SUZ-KA35

SUZ-KA50/60/71

PUHZ-P100

PUHZ-P125/140

For Multi (Twin/Triple/Quadruple)

PUHZ-P100

PUHZ-P125/140

PUHZ-P200/250

Remote Controller

Optional

Optional

Optional

PEAD-RP JA 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	

PEDZ-RP JA SERIES

POWER INVERTER

EUROVENT CERTIFIED PERFORMANCE *6

Demand Control (Optional) · Long Life · Check! · AUTO · ACO · Auto Restart · Low Temp Cooling · Silent · Ampere Limit (60-140V/200/250) · Rotation Back-up (PUHZ, Optional) · Group Control (Optional) · M-NET connection (Optional) · Wi-Fi Interface (Optional) · COMPO · Cleaning-free pipe reuse · Wiring Reuse (Optional) · Drain Lift Up (JAQ) · Pump Down · Flare connection · Self Diagnosis · Failure Recall

Type				Inverter Heat Pump									
Indoor Unit				PEAD-RP35JA(L)Q	PEAD-RP50JA(L)Q	PEAD-RP60JA(L)Q	PEAD-RP71JA(L)Q	PEAD-RP100JA(L)Q		PEAD-RP125JA(L)Q		PEAD-RP140JA(L)Q	
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 - 15.3	6.2 - 15.3
	Total Input	Rated	kW	0.89 (0.87)	1.44 (1.42)	1.65 (1.63)	2.01 (1.99)	2.43 (2.41)	2.43 (2.41)	3.86 (3.83)	3.86 (3.83)	4.32 (4.29)	4.32 (4.29)
	EER*5			–	–	–	–	–	–	3.24 (3.26)	3.24 (3.26)	3.10 (3.12)	3.10 (3.12)
	EEL Rank			–	–	–	–	–	–	–	–	–	–
	Design Load		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		kWh/a	228 (211)	317 (301)	366 (351)	446 (428)	593 (583)	602 (592)	875 (858)	886 (873)	980 (956)	991 (976)
	SEER*5			5.6 (6.0)	5.5 (5.8)	5.8 (6.1)	5.6 (5.7)	5.6 (5.7)	5.5 (5.6)	5.0 (5.1)*4	4.9 (5.0)*4	4.8 (4.9)*4	4.7 (4.8)*4
	Energy Efficiency Class			A+ (A+)	A (A+)	A+ (A++)	A+ (A+)	A+ (A+)	A (A+)	–	–	–	–
Heating (Average Season)	Capacity	Rated	kW	4.1	6.0	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 - 7.3	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	0.95	1.50	1.79	2.03	2.60	2.60	3.51	3.51	4.07	4.07
	COP*5			–	–	–	–	–	–	3.99	3.99	3.93	3.93
	EEL Rank			–	–	–	–	–	–	–	–	–	–
	Design Load		kW	2.4	3.8	4.4	4.9	7.8	7.8	9.3	9.3	10.6	10.6
	Declared Capacity	at reference design temperature	kW	2.4 (–10°C)	3.8 (–10°C)	4.4 (–10°C)	4.9 (–10°C)	7.8 (–10°C)	7.8 (–10°C)	9.3 (–10°C)	9.3 (–10°C)	10.6 (–10°C)	10.6 (–10°C)
		at bivalent temperature	kW	2.4 (–10°C)	3.8 (–10°C)	4.4 (–10°C)	4.9 (–10°C)	7.8 (–10°C)	7.8 (–10°C)	9.3 (–10°C)	9.3 (–10°C)	10.6 (–10°C)	10.6 (–10°C)
		at operation limit temperature	kW	2.2 (–11°C)	3.7 (–11°C)	2.8 (–20°C)	3.7 (–20°C)	5.8 (–20°C)	5.8 (–20°C)	7.0 (–20°C)	7.0 (–20°C)	7.9 (–20°C)	7.9 (–20°C)
	Back Up Heating Capacity		kW	0	0	0	0	0	0	0	0	0	0
	Annual Electricity Consumption*2		kWh/a	839	1231	1513	1762	2627	2627	3370	3370	3763	3763
	SCOP*5			4.0	4.3	4.1	3.9	4.2	4.2	3.9*4	3.9*4	4.0*4	4.0*4
	Energy Efficiency Class			A+	A+	A+	A	A+	A+	–	–	–	–
Operating Current (max)			A	14.1	14.4	20.6	21.0	29.2	10.7	29.3	12.3	30.8	15.8
Indoor Unit	Input [Cooling / Heating]	Rated	kW	0.09 (0.07) / 0.07	0.11 (0.09) / 0.09	0.12 (0.10) / 0.10	0.17 (0.15) / 0.15	0.25 (0.23) / 0.23	0.25 (0.23) / 0.23	0.36 (0.34) / 0.34	0.36 (0.34) / 0.34	0.39 (0.37) / 0.37	0.39 (0.37) / 0.37
	Operating Current (max)		A	1.07	1.39	1.62	1.97	2.65	2.65	2.76	2.76	2.78	2.78
	Dimensions <Panel>	H x W x D	mm	250 - 900 - 732		250 - 1100 - 732		250 - 1400 - 732				250 - 1600 - 732	
	Weight <Panel>		kg	26 (25)	28 (27)	33 (32)	33 (32)	41 (40)	41 (40)	43 (42)	43 (42)	47 (46)	47 (46)
	Air Volume [Lo-Mid-Hi]		m^3/min	10.0 - 12.0 - 14.0	12.0 - 14.5 - 17.0	14.5 - 18.0 - 21.0	17.5 - 21.0 - 25.0	24.0 - 29.0 - 34.0	24.0 - 29.0 - 34.0	29.5 - 35.5 - 42.0	29.5 - 35.5 - 42.0	32.0 - 39.0 - 46.0	32.0 - 39.0 - 46.0
	External Static Pressure		Pa	35 / 50 / 70 / 100 / 150									
	Sound Level (SPL) [Lo-Hi]		dB(A)	23 - 27 - 30	26 - 31 - 35	25 - 29 - 33	26 - 30 - 34	29 - 34 - 38	29 - 34 - 38	33 - 36 - 40	33 - 36 - 40	34 - 38 - 43	34 - 38 - 43
	Sound Level (PWL)		dB(A)	52	57	55	58	61	61	66	66	66	66
Outdoor Unit	Dimensions	H x W x 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	m^3/min	45.0	45.0	55.0	55.0	110.0	110.0	120.0	120.0	120.0	120.0
		Heating	m^3/min	45.0	45.0	55.0	55.0	110.0	110.0	120.0	120.0	120.0	120.0
	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	°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 1kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 1975 times higher than 1kg of CO_2, 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.
*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/SCOP values are measured based on EN14825. These values are reference purpose only.
*5 EER/COP and SEER/SCOP for RP35~71 are measured at ESP 35Pa, for RP100 at ESP 37Pa, for RP125/140 at ESP 50Pa. *6 Only the JAQ model is targeted for EUROVENT registration.

PEDZ-P JA SERIES

STANDARD INVERTER

EUROVENT CERTIFIED PERFORMANCE *5

Demand Control (PUHZ, Optional) · Long Life · Check! · AUTO · ACO · Auto Restart · Low Temp Cooling · Silent (PUHZ) · Rotation Back-up (PUHZ, Optional) · Group Control (PUHZ, Optional) · Group Control (SUZ, Optional) · M-NET connection (Optional) · Wi-Fi Interface (Optional) · COMPO (PUHZ) · Cleaning-free pipe reuse · Wiring Reuse (PUHZ, Optional) · Drain Lift Up (JAQ) · Pump Down (PUHZ) · Flare connection · Self Diagnosis · Failure Recall

Type				Inverter Heat Pump									
Indoor Unit				PEAD-RP35JA(L)Q	PEAD-RP50JA(L)Q	PEAD-RP60JA(L)Q	PEAD-RP71JA(L)Q	PEAD-RP100JA(L)Q		PEAD-RP125JA(L)Q		PEAD-RP140JA(L)Q	
Outdoor Unit				SUZ-KA35VA6	SUZ-KA50VA6	SUZ-KA60VA6	SUZ-KA71VA6	PUHZ-P100VHA5	PUHZ-P100YHA3	PUHZ-P125VHA4	PUHZ-P125YHA2	PUHZ-P140VHA4	PUHZ-P140YHA2
Refrigerant				R410A*1									
Power Supply	Source			Outdoor power supply									
	Outdoor (V/Phase/Hz)			VA・VHA:230 / Single / 50, YHA:400 / Three / 50									
Cooling	Capacity	Rated	kW	3.6	4.9	5.7	7.1	9.4	9.4	12.3	12.3	13.6	13.6
		Min - Max	kW	1.4 - 3.9	2.3 - 5.6	2.3 - 6.3	2.8 - 8.1	4.9 - 11.2	4.9 - 11.2	5.5 - 14.0	5.5 - 14.0	5.5 - 15.0	5.5 - 15.0
	Total Input	Rated	kW	1.050 (1.030)	1.480 (1.460)	1.670 (1.650)	2.080 (2.060)	3.120 (3.102)	3.120 (3.102)	4.220 (4.200)	4.220 (4.200)	4.520 (4.500)	4.520 (4.500)
	EER*4			–	–	–	–	–	–	2.91 (2.93)	2.91 (2.93)	3.01 (3.02)	3.01 (3.02)
	EEL Rank			–	–	–	–	–	–	C	C	B	B
	Design Load		kW	3.6	4.9	5.7	7.1	9.4	9.4	–	–	–	–
	Annual Electricity Consumption*2		kWh/a	229 (213)	318 (301)	351 (335)	429 (413)	716 (694)	716 (694)	–	–	–	–
	SEER*4			5.5 (5.9)	5.4 (5.7)	5.6 (5.9)	5.8 (6.0)	4.6 (4.7)	4.6 (4.7)	–	–	–	–
	Energy Efficiency Class			A (A+)	A (A+)	A+ (A+)	A+ (A+)	B	B	–	–	–	–
Heating (Average Season)	Capacity	Rated	kW	4.1	5.9	7.0	8.0	11.2	11.2	14.0	14.0	16.0	16.0
		Min - Max	kW	1.7 - 5.0	1.7 - 7.2	2.5 - 8.0	2.6 - 10.2	4.5 - 12.5	4.5 - 12.5	5.0 - 16.0	5.0 - 16.0	5.0 - 18.0	5.0 - 18.0
	Total Input	Rated	kW	1.110	1.620	1.930	2.040	3.103	3.103	3.870	3.870	4.430	4.430
	COP*4			–	–	–	–	–	–	3.62	3.62	3.61	3.61
	EEL Rank			–	–	–	–	–	–	A	A	A	A
	Design Load		kW	2.8	4.4	4.5	6.0	8.0	8.0	–	–	–	–
	Declared Capacity	at reference design temperature	kW	2.5 (–10°C)	3.9 (–10°C)	4.1 (–10°C)	5.3 (–10°C)	6.3 (–10°C)	6.3 (–10°C)	–	–	–	–
		at bivalent temperature	kW	2.5 (–7°C)	3.9 (–7°C)	4.1 (–7°C)	5.3 (–7°C)	7.1 (–7°C)	7.1 (–7°C)	–	–	–	–
		at operation limit temperature	kW	2.5 (–10°C)	3.9 (–10°C)	4.1 (–10°C)	5.3 (–10°C)	5.0 (–15°C)	5.0 (–15°C)	–	–	–	–
	Back Up Heating Capacity		kW	0.3	0.5	0.5	0.7	1.7	1.7	–	–	–	–
	Annual Electricity Consumption*2		kWh/a	980	1466	1569	2153	2945	2945	–	–	–	–
	SCOP*4			4.0	4.2	4.0	3.9	3.8	3.8	–	–	–	–
	Energy Efficiency Class			A+	A+	A+	A	A	A	–	–	–	–
Operating Current (max)			A	9.3	13.4	15.6	18.1	30.7	15.7	30.8	15.8	32.3	15.8
Indoor Unit	Input [Cooling / Heating]	Rated	kW	0.09 (0.07) / 0.07	0.11 (0.09) / 0.09	0.12 (0.10) / 0.10	0.17 (0.15) / 0.15	0.25 (0.23) / 0.23	0.25 (0.23) / 0.23	0.36 (0.34) / 0.34	0.36 (0.34) / 0.34	0.39 (0.37) / 0.37	0.39 (0.37) / 0.37
	Operating Current (max)		A	1.07	1.39	1.62	1.97	2.65	2.65	2.76	2.76	2.78	2.78
	Dimensions <Panel>	H x W x D	mm	250 - 900 - 732		250 - 1100 - 732		250 - 1400 - 732				250 - 1600 - 732	
	Weight <Panel>		kg	26 (25)	28 (27)	33 (32)	33 (32)	41 (40)	41 (40)	43 (42)	43 (42)	47 (46)	47 (46)
	Air Volume [Lo-Mid-Hi]		m^3/min	10.0 - 12.0 - 14.0	12.0 - 14.5 - 17.0	14.5 - 18.0 - 21.0	17.5 - 21.0 - 25.0	24.0 - 29.0 - 34.0	24.0 - 29.0 - 34.0	29.5 - 35.5 - 42.0	29.5 - 35.5 - 42.0	32.0 - 39.0 - 46.0	32.0 - 39.0 - 46.0
	External Static Pressure		Pa	35 / 50 / 70 / 100 / 150									
	Sound Level (SPL) [Lo-Hi]		dB(A)	23 - 27 - 30	26 - 31 - 35	25 - 29 - 33	26 - 30 - 34	29 - 34 - 38	29 - 34 - 38	33 - 36 - 40	33 - 36 - 40	34 - 38 - 43	34 - 38 - 43
	Sound Level (PWL)		dB(A)	52	57	55	58	61	61	66	66	66	66
Outdoor Unit	Dimensions	H x W x D	mm	550 - 800 - 285		880 - 840 - 330		943 - 950 - 330 (+30)		1350 - 950 - 330 (+30)			
	Weight		kg	35	54	50	53	75	77	99	101	99	101
	Air Volume	Cooling	m^3/min	36.3	44.6	40.9	50.1	60.0	60.0	119.0	119.0	119.0	119.0
		Heating	m^3/min	34.8	44.6	49.2	48.2	60.0	60.0	100.0	100.0	100.0	100.0
	Sound Level (SPL)	Cooling	dB(A)	49	52	55	55	50	50	54	54	55	55
		Heating	dB(A)	50	52	55	55	54	54	55	55	56	56
	Sound Level (PWL)	Cooling	dB(A)	62	65	65	69	70	70	74	74	75	75
	Operating Current (max)		A	8.2	12.0	14.0	16.1	28.0	13.0	28.0	13.0	29.5	13.0
	Breaker Size		A	16	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	50	50	50	50	50
	Max. Height	Out-In	m	12	30	30	30	30	30	30	30	30	30
Guaranteed Operating Range [Outdoor]		Cooling	°C	–10 ~ +46	–15 ~ +46	–15 ~ +46	–15 ~ +46	–15 ~ +46*3	–15 ~ +46*3	–15 ~ +46*3	–15 ~ +46*3	–15 ~ +46*3	–15 ~ +46*3
		Heating	°C	–10 ~ +24	–10 ~ +24	–10 ~ +24	–10 ~ +24	–15 ~ +21	–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 1kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 1975 times higher than 1kg of CO_2, 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.
*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 EER/COP and SEER/SCOP for RP35~71 are measured at ESP 35Pa, for RP100 at ESP 37Pa, for RP125/140 at ESP 50Pa.
*5 Only the JAQ model is targeted for EUROVENT registration.

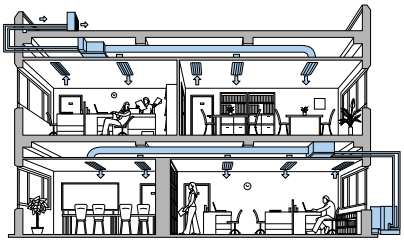
PEA SERIES

PEA-RP200/250/400/500GAQ

For elegance and style, the PEA Series compliments the room environment with an aesthetically pleasing ceiling installation and a vast line-up of performance functions. Long pipe work installation is supported, increasing freedom in the placement of indoor units.

Flexible Duct Design Enables Use of High-pressure Static Fan

A flexible duct design and 150Pa external static high-pressure are incorporated. The increased variation in airflow options ensures operation that best matches virtually all room layouts.



Long Refrigerant Piping Length

With the addition of more refrigerant, the maximum length for refrigerant piping has been increased to 100 metres. As a result, it is much easier to create the optimum layout for unit installation.

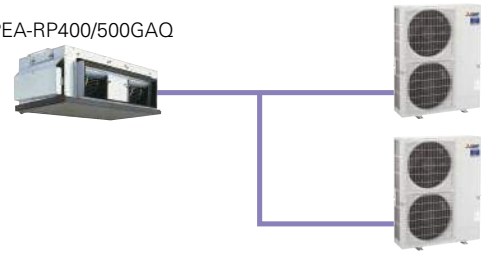
		Power Inverter Connection		Standard Inverter Connection	
		Max. Length	Max. Height	Max. Length	Max. Height
PEA-RP	200	100m	30m	70m	30m
	250	100m	30m	70m	30m
	400	100m	30m	70m	30m
	500	100m	30m	70m	30m

Wide-ranging Line-up from 20–50kW – Extensive Array of Choices to Match Building Size

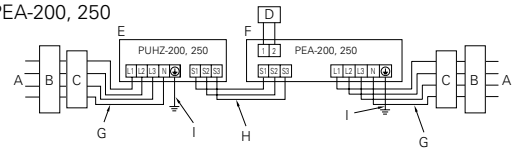
[System Image]

PEA-RP200/250GAQ

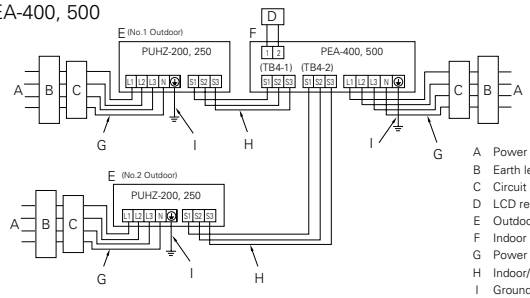
PEA-RP400/500GAQ



• For PEA-200, 250



• For PEA-400, 500



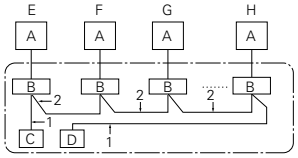
A Power supply
B Earth leakage breaker
C Circuit breaker or local switch
D LCD remote controller
E Outdoor unit
F Indoor unit
G Power cable wiring
H Indoor/Outdoor connection wiring
I Grounding

PAR-32MAA Group Control

The PAR-32MAA remote controller can control up to 16 systems* as a group, and is ideal for supporting the integrated management of building air conditioners.

*Count each set of PEA-RP400 and PEA-RP500 as two systems as two outdoor units are connected.

• For PEA-200, 250



A Outdoor unit
B Indoor unit
C Main remote controller
D Subordinate remote controller
E Standard (Refrigerant address = 00)
F Refrigerant address = 01
G Refrigerant address = 02
H Refrigerant address = 15

LINE-UP

Indoor Unit

PEA-RP200/250/400/500GAQ

Outdoor Unit

✻ Two units are used when connecting PEA-RP400/500GAQ.

Power Inverter Series

PUHZ-ZRP200/250

Standard Inverter Series

PUHZ-P200/250

Remote Controller

Optional

Optional

PEZ-RP SERIES
POWER INVERTER

Type				Inverter Heat Pump			
Indoor Unit				PEA-RP200GAQ	PEA-RP250GAQ	PEA-RP400GAQ	PEA-RP500GAQ
Outdoor Unit				PUHZ-ZRP200YKA2	PUHZ-ZRP250YKA2	PUHZ-ZRP200YKA2 x 2	PUHZ-ZRP250YKA2 x 2
Refrigerant				R410A*1			
Power Supply	Source			Outdoor power supply			
	Outdoor (V/Phase/Hz)			400 / Three / 50			
Cooling	Capacity	Rated	kW	19.0	22.0	38.0	44.0
		Min - Max	kW	9.0 - 22.4	11.2 - 27.0	18.0 - 44.8	22.4 - 54.0
	Total Input	Rated	kW	6.46	8.31	12.47	17.10
	EER			2.94	2.65	3.05	2.57
		EEL Rank		–	–	–	–
Heating (Average Season)	Capacity	Rated	kW	22.4	27.0	44.8	54.0
		Min - Max	kW	9.5 - 25.0	12.5 - 31.0	18.0 - 50.0	25.0- 62.0
	Total Input	Rated	kW	6.94	8.94	13.43	18.36
	COP			3.23	3.02	3.34	2.94
		EEL Rank		–	–	–	–
Operating Current (max)				21.0	23.3	41.8	47.4
Indoor Unit	Input [Cooling / Heating]	Rated	kW	1.000	1.180	1.550	2.840
	Operating Current (max)		A	2.0	2.3	3.8	5.4
	Dimensions	H x W x D	mm	400 - 1400 - 634	400 - 1600 - 634	595 - 1947 - 764	
	Weight		kg	70	77	130	133
	Air Volume [Lo-Hi]		m^3/min	52.0 - 65.0	64.0 - 80.0	120.0	160.0
	External Static Pressure		Pa	150	150	150	150
	Sound Level (SPL) [Lo-Hi]		dB(A)	48 - 51	49 - 52	52*2	53*2
	Sound Level (PWL)		dB(A)	72	76	76	78
Outdoor Unit	Dimensions	H x W x D	mm	1338 - 1050 - 330(+40)		1338 - 1050 - 330(+40)	
	Weight		kg	135	135	135	135
	Air Volume	Cooling	m^3/min	140	140	140	140
		Heating	m^3/min	140	140	140	140
	Sound Level (SPL)	Cooling	dB(A)	59	59	59	59
		Heating	dB(A)	62	62	62	62
	Sound Level (PWL)	Cooling	dB(A)	77	77	77	77
	Operating Current (max)		A	19.0	21.0	19.0	21.0
	Breaker Size		A	32	32	32	32
Ext. Piping	Diameter	Liquid / Gas	mm	9.52 / 25.4	12.7 / 25.4	9.52 / 25.4	12.7 / 25.4
	Max. Length	Out-In	m	100	100	100	100
	Max. Height	Out-In	m	30	30	30	30
Guaranteed Operating Range [Outdoo		Cooling*3	℃	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46
		Heating	℃	-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 CO_2, 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.
*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/SCOP values are measured based on EN14825. These values are reference purpose only.

PEZ-P SERIES
STANDARD INVERTER

Type				Inverter Heat Pump			
Indoor Unit				PEA-RP200GAQ	PEA-RP250GAQ	PEA-RP400GAQ	PEA-RP500GAQ
Outdoor Unit				PUHZ-P200YKA2	PUHZ-P250YKA2	PUHZ-P200YKA2 x 2	PUHZ-P250YKA2 x 2
Refrigerant				R410A*1			
Power Supply	Source			Outdoor power supply			
	Outdoor (V/Phase/Hz)			400 / Three / 50			
Cooling	Capacity	Rated	kW	19.0	22.0	38.0	44.0
		Min - Max	kW	9.0 - 22.4	11.2 - 27.0	18.0 - 44.8	22.4 - 54.0
	Total Input	Rated	kW	6.64	8.71	12.83	17.90
	EER			2.86	2.53	2.96	2.46
		EEL Rank		–	–	–	–
Heating (Average Season)	Capacity	Rated	kW	22.4	27.0	44.8	54.0
		Min - Max	kW	9.5 - 25.0	12.5 - 31.0	18.0 - 50.0	25.0- 62.0
	Total Input	Rated	kW	7.10	9.31	13.75	19.10
	COP			3.15	2.90	3.26	2.83
		EEL Rank		–	–	–	–
Operating Current (max)				21.0	23.3	41.8	47.4
Indoor Unit	Input [Cooling / Heating]	Rated	kW	1.000	1.180	1.550	2.840
	Operating Current (max)		A	2.0	2.3	3.8	5.4
	Dimensions	H x W x D	mm	400 - 1400 - 634	400 - 1600 - 634	595 - 1947 - 764	
	Weight		kg	70	77	130	133
	Air Volume [Lo-Hi]		m^3/min	52.0 - 65.0	64.0 - 80.0	120.0	160.0
	External Static Pressure		Pa	150	150	150	150
	Sound Level (SPL) [Lo-Mid-Hi]		dB(A)	48 - 51	49 - 52	52*2	53*2
	Sound Level (PWL)		dB(A)	72	76	76	78
Outdoor Unit	Dimensions	H x W x D	mm	1338 - 1050 - 330(+40)		1338 - 1050 - 330(+40)	
	Weight		kg	127	135	127	135
	Air Volume	Cooling	m^3/min	140	140	140	140
		Heating	m^3/min	140	140	140	140
	Sound Level (SPL)	Cooling	dB(A)	58	59	58	59
		Heating	dB(A)	60	62	60	62
	Sound Level (PWL)	Cooling	dB(A)	78	77	78	77
	Operating Current (max)		A	19.0	21.0	19.0	21.0
	Breaker Size		A	32	32	32	32
Ext. Piping	Diameter	Liquid / Gas	mm	9.52 / 25.4	12.7 / 25.4	9.52 / 25.4	12.7 / 25.4
	Max. Length	Out-In	m	70	70	70	70
	Max. Height	Out-In	m	30	30	30	30
Guaranteed Operating Range [Outdoor]		Cooling*3	℃	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46
		Heating	℃	-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 CO_2, 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.
*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/SCOP values are measured based on EN14825. These values are reference purpose only.

PKA SERIES

The compact, wall-mounted indoor units offer the convenience of simple installation, and a large product line-up (RP35-RP100 models) ensures a best-match solution. Designed for highly efficient energy savings, the PKA Series is the answer to your air conditioning needs.

PKA-RP35/50HAL

PKA-RP60/71/100KAL

Flat Panel & Pure White Finish

A flat panel layout has been adopted for all models. Pursuing a design that harmonizes with virtually any interior, the unit colour has been changed from white to pure white.

Compact Indoor Units

Indoor unit width has been reduced by as much as 510mm (RP100). Units take up much less space, greatly increasing installation possibilities.

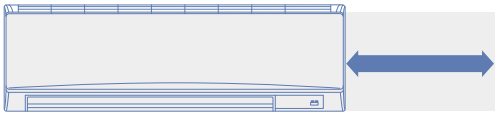
PKA-RP35/50HAL **92mm DOWN***

*Compared to PKA-RP35/50GAL

PKA-RP60/71KAL **230mm DOWN***

*Compared to PKA-RP60/71FAL

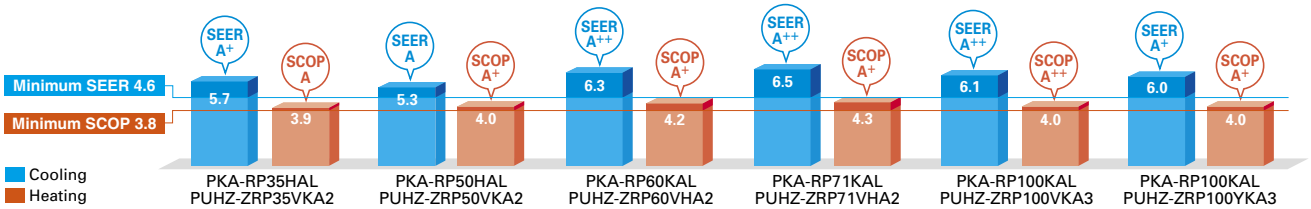
PKA-RP100KAL **510mm DOWN***



*Compared to PKA-RP100FAL

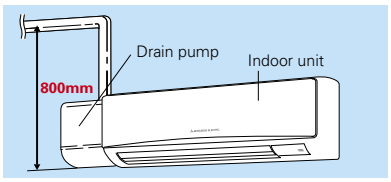
ErP Lot 10 Compliant with High Energy-efficiency Achieving SEER/SCOP Rank A, A+ and A++

Highly efficient indoor unit heat exchangers and and newly designed power inverters (PUHZ-ZRP) contribute to an amazing reduction in electricity consumption throughout a year, and have resulted in models in the full-capacity range attaining the rank A, A+ and A++ energy savings rating.



Drain Pump Option Available with All Models

Installation of the drain pump enables a drain outlet as high as 800mm above the base of the indoor unit. Drain water can be discharged easily even if the surface where the wall-mounted unit does not have direct access outside, increasing the degree of freedom for installation.



Multi-function Wired Remote Controller

In addition to using the wireless remote controller that comes as standard equipment, PAR-32MAA and PAC-YT52CRA wired remote controllers can be used as well.

✻Connection to PAR-32MAA/PAC-YT52CRA requires PAC-SH29TC-E (optional).

Main Functions

- Night Setback
- Energy- saving Mode
- Multi Language
- Weekly Timer
- Refrigerant Leak Check

✻For details, please refer to pages 25-28.

SERIES SELECTION

Power Inverter Series

Indoor Unit

PKA-RP35/50HAL

PKA-RP60/71/100KAL

Outdoor Unit

For Single

PUHZ-ZRP35/50

PUHZ-ZRP60/71

PUHZ-ZRP100

For Multi
(Twin/Triple/Quadruple)

PUHZ-ZRP71

PUHZ-ZRP100/125/140/200/250

Remote Controller

Optional (✻)

Optional (✻)

Standard Inverter Series

Indoor Unit

PKA-RP35/50HAL

PKA-RP60/71/100KAL

Outdoor Unit

For Single

PUHZ-P100

For Multi
(Twin/Triple/Quadruple)

PUHZ-P100

PUHZ-P125/140

PUHZ-P200/250

Remote Controller

Optional (✻)

Optional (✻)

(✻) PAC-SH29TC-E is required (optional)

PKZ-RP HA/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	–	–	–	–	35x2	50x2	60x2	71x2	100x2	–	50x3	60x3	71x3	50x4	60x4
	Distribution Pipe	–	–	–	–	–	–	–	–	–	MSDD-50TR-E				MSDD-50WR-E	–	MSDT-111R-E			MSDF-1111R-E	
Standard Inverter (PUHZ-P)		–	–	–	–	100x1	–	–	–	–	–	50x2	60x2	71x2	100x2	–	50x3	60x3	71x3	50x4	60x4
	Distribution Pipe	–	–	–	–	–	–	–	–	–	–	MSDD-50TR-E			MSDD-50WR-E	–	MSDT-111R-E			MSDF-1111R-E	

PKZ-RP SERIES
POWER INVERTER

EUROVENT CERTIFIED PERFORMANCE

Demand Control (Optional) · Pure White · AUTO VANE · Check! (Optional) · SWING · AUTO · ACO · Auto Restart · Low Temp Cooling · Silent · Ampere Limit (60-140V/200/250) · Rotation Back-up (Optional) · (Optional) · Group Control (Optional) · M-NET connection (Optional)

Wi-Fi Interface (Optional) · COMPO · Cleaning-free pipe route · Wiring Reuse (Optional) · Drain Lift Up (Optional) · Pump Down · Flare connection · Self Diagnosis · Failure Recall

Type				Inverter Heat Pump					
Indoor Unit				PKA-RP35HAL	PKA-RP50HAL	PKA-RP60KAL	PKA-RP71KAL	PKA-RP100KAL	
Outdoor Unit				PUHZ-ZRP35VKA2	PUHZ-ZRP50VKA2	PUHZ-ZRP60VHA2	PUHZ-ZRP71VHA2	PUHZ-ZRP100VKA3	PUHZ-ZRP100YKA3
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	4.6	6.1	7.1	9.5	9.5
		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
	Total Input	Rated	kW	0.94	1.41	1.60	1.80	2.40	2.40
	EER			–	–	–	–	–	–
		EEL Rank		–	–	–	–	–	–
	Design Load		kW	3.6	4.6	6.1	7.1	9.5	9.5
	Annual Electricity Consumption*2		kWh/a	221	304	336	381	539	550
	SEER			5.7	5.3	6.3	6.5	6.1	6.0
		Energy Efficiency Class		A+	A	A++	A++	A++	A+
Heating (Average Season)	Capacity	Rated	kW	4.1	5.0	7.0	8.0	11.2	11.2
		Min - Max	kW	1.6 - 5.2	2.5 - 7.3	2.8 - 8.2	3.5 - 10.2	4.5 - 14.0	4.5 - 14.0
	Total Input	Rated	kW	1.07	1.50	1.96	2.19	3.04	3.04
	COP			–	–	–	–	–	–
		EEL Rank		–	–	–	–	–	–
	Design Load		kW	2.4	3.3	4.4	4.7	7.8	7.8
	Declared Capacity	at reference design temperature	kW	2.4 (–10°C)	3.3 (–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)	3.3 (–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)	3.2 (–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	847	1160	1473	1532	2608	2608
	SCOP			3.9	4.0	4.2	4.3	4.1	4.1
		Energy Efficiency Class		A	A+	A+	A+	A+	A+
Operating Current (max)			A	13.4	13.4	19.4	19.4	27.1	8.6
Indoor Unit	Input	Rated	kW	0.04	0.04	0.06	0.06	0.08	0.08
	Operating Current (max)		A	0.4	0.4	0.43	0.43	0.57	0.57
	Dimensions <Panel>	H x W x D	mm	295 - 898 - 249		365 - 1170 - 295			
	Weight <Panel>		kg	13	13	21	21	21	21
	Air Volume [Lo-Mid-Hi]		m³/min	9 - 10.5 - 12	9 - 10.5 - 12	18 - 20 - 22	18 - 20 - 22	20 - 23 - 26	20 - 23 - 26
	Sound Level (SPL) [Lo-Mid-Hi]		dB(A)	36 - 40 - 43	36 - 40 - 43	39 - 42 - 45	39 - 42 - 45	41 - 45 - 49	41 - 45 - 49
	Sound Level (PWL)		dB(A)	60	60	64	64	65	65
Outdoor Unit	Dimensions	H x W x D	mm	630 - 809 - 300		943 - 950 - 330 (+30)		1338 - 1050 - 330 (+40)	
	Weight		kg	43	46	70	70	116	123
	Air Volume	Cooling	m³/min	45.0	45.0	55.0	55.0	110.0	110.0
		Heating	m³/min	45.0	45.0	55.0	55.0	110.0	110.0
	Sound Level (SPL)	Cooling	dB(A)	44	44	47	47	49	49
		Heating	dB(A)	46	46	48	48	51	51
	Sound Level (PWL)	Cooling	dB(A)	65	65	67	67	69	69
	Operating Current (max)		A	13.0	13.0	19.0	19.0	26.5	8.0
	Breaker Size		A	16	16	25	25	32	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
	Max. Length	Out-In	m	50	50	50	50	75	75
	Max. Height	Out-In	m	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
		Heating	°C	–11 ~ +21	–11 ~ +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 1kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 1975 times higher than 1kg of CO_2, 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.
*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/SCOP values are measured based on EN14825. These values are reference purpose only.

PKZ-P SERIES
STANDARD INVERTER

EUROVENT CERTIFIED PERFORMANCE

Demand Control (Optional) · Pure White · AUTO VANE · Check! (Optional) · SWING · AUTO · ACO · Auto Restart · Low Temp Cooling · Silent · Rotation Back-up (Optional) · (Optional) · Group Control (Optional) · M-NET connection (Optional) · Wi-Fi Interface (Optional)

COMPO · Cleaning-free pipe route · Wiring Reuse (Optional) · Drain Lift Up (Optional) · Pump Down · Flare connection · Self Diagnosis · Failure Recall

Type				Inverter Heat Pump	
Indoor Unit				PKA-RP100KAL	
Outdoor Unit				PUHZ-P100VHA5	PUHZ-P100YHA3
Refrigerant				R410A*1	
Power Supply	Source			Outdoor power supply	
	Outdoor (V/Phase/Hz)			230 / Single / 50	400 / Three / 50
Cooling	Capacity	Rated	kW	9.4	9.4
		Min - Max	kW	4.9 - 11.2	4.9 - 11.2
	Total Input	Rated	kW	3.120	3.120
	Design Load		kW	9.4	9.4
	Annual Electricity Consumption*2		kWh/a	686	686
	SEER			4.8	4.8
		Energy Efficiency Class		B	B
Heating (Average Season)	Capacity	Rated	kW	11.2	11.2
		Min - Max	kW	4.5 - 12.5	4.5 - 12.5
	Total Input	Rated	kW	3.490	3.490
	Design Load		kW	7.0	7.0
	Declared Capacity	at reference design temperature	kW	5.6 (–10°C)	5.6 (–10°C)
		at bivalent temperature	kW	6.2 (–7°C)	6.2 (–7°C)
		at operation limit temperature	kW	4.5 (–15°C)	4.5 (–15°C)
	Back Up Heating Capacity		kW	1.4	1.4
	Annual Electricity Consumption*2		kWh/a	2579	2579
	SCOP			3.8	3.8
		Energy Efficiency Class		A	A
Operating Current (max)			A	28.6	13.6
Indoor Unit	Input	Rated	kW	0.08	0.08
	Operating Current (max)		A	0.57	0.57
	Dimensions <Panel>	H x W x D	mm	365 - 1170 - 295	
	Weight <Panel>		kg	21	21
	Air Volume [Lo-Mid-Hi]		m³/min	20 - 23 - 26	20 - 23 - 26
	Sound Level (SPL) [Lo-Mid-Hi]		dB(A)	41 - 45 - 49	41 - 45 - 49
	Sound Level (PWL)		dB(A)	65	65
Outdoor Unit	Dimensions	H x W x D	mm	943 - 950 - 330 (+30)	
	Weight		kg	75	77
	Air Volume	Cooling	m³/min	60.0	60.0
		Heating	m³/min	60.0	60.0
	Sound Level (SPL)	Cooling	dB(A)	50	50
		Heating	dB(A)	54	54
	Sound Level (PWL)	Cooling	dB(A)	70	70
	Operating Current (max)		A	28.0	13.0
	Breaker Size		A	32	16
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	–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 1kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 1975 times higher than 1kg of CO_2, 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.
*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/SCOP values are measured based on EN14825. These values are reference purpose only.

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.

PCA-RP35/50/60/71/100/125/140KAQ

Stylish Indoor Unit Design

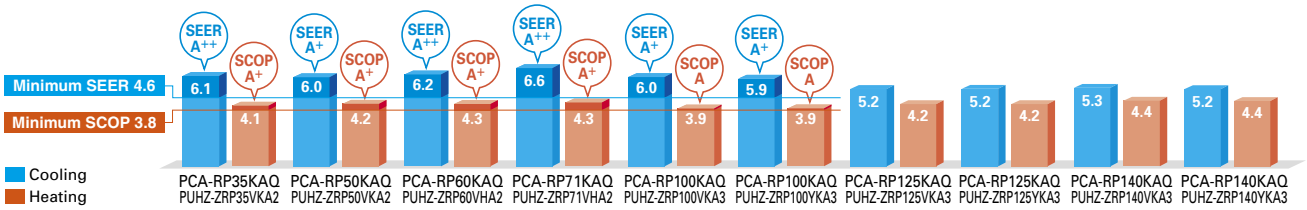
A stylish square-like design is adopted for the indoor units of all models. As a result, the units blend in better with the ceiling.

PCA-GA

PCA-KAQ

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

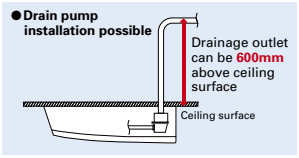
A direct-current (DC) fan motor is isntalled in the indoor unit, increasing the seasonal energy efficiency of newly designed Power Inverter series (PUHZ-ZRP) and resulting in the full capacity models comply ErP Lot 10 with energy ranking A+/A++ for cooling and A/A+ for heating. This contribute to an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



✻ For products with capacity over 10.0kW, SEER/SCOP values are measured based on EN14825. These values are for reference purposes only.

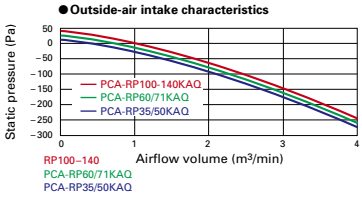
Optional Drain Pump for Full-capacity Models

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



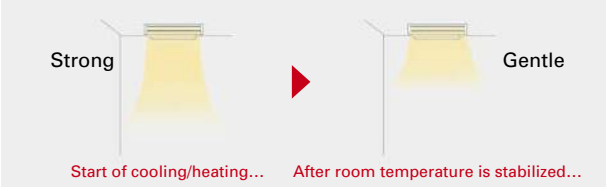
Outside-air Intake

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

PCA–HA SERIES

PCA-RP71HAQ

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.

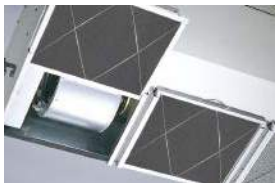
High-performance Oil Mist Filter

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 filters elements. After these have been used, optional elements (PAC-SG38KF-E) can be purchased.

Oil mist filter



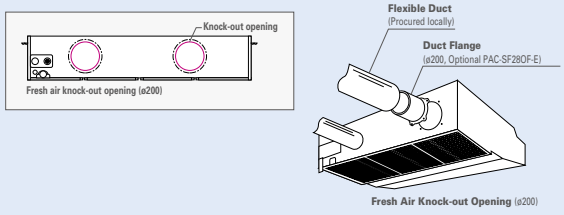
Pull the handle to easily slide the filter out

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.

Fresh Outside-air Intake (Option)

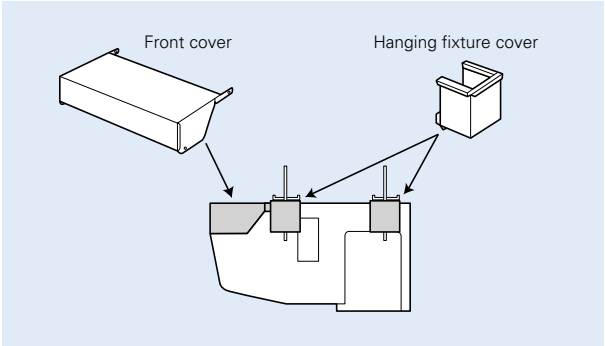
There is a knock-out opening on the rear panel of the unit that can be used to bring fresh air into the unit. This helps to improve ventilation and make the kitchen comfortable.



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

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.



SERIES SELECTION

Power Inverter Series

Indoor Unit

PCA-RP35/50/60/71/100/125/140KAQ

Outdoor Unit

For Single

PUHZ-ZRP35/50

PUHZ-ZRP60/71

PUHZ-ZRP100/125/140

For Multi
(Twin/Triple/Quadruple)

PUHZ-ZRP100/125/140/200/250

Remote Controller

Optional

Optional

Optional

Standard Inverter Series

Indoor Unit

PCA-RP35/50/60/71/100/125/140KAQ

Outdoor Unit

For Single

SUZ-KA35

SUZ-KA50/60/71

PUHZ-P100

PUHZ-P125/140

For Multi
(Twin/Triple/
Quadruple)

PUHZ-P100

PUHZ-P125/140

PUHZ-P200/250

Remote Controller

Optional

Optional

Optional

PCZ-RP 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	

SERIES SELECTION

Power Inverter Series

Indoor Unit

PCA-RP71HAQ

Outdoor Unit

For Single

PUHZ-ZRP71

For Multi (Twin/Triple)

PUHZ-ZRP140/250

Remote Controller

Optional

Optional

PCZ-RP 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	–	–	–	–	MSDT-111R-E	–	–
Standard Inverter (PUHZ-P)	–	–	–	–	–	–	–	–	–	–	–	–	71x2	–	–	–	–	71x3	–	–
Distribution Pipe	–	–	–	–	–	–	–	–	–	–	–	–	MSDD-50TR-E	–	–	–	–	MSDT-111R-E	–	–

PCZ-RP KA SERIES

POWER INVERTER

EUROVENT CERTIFIED PERFORMANCE

Demand Control (Optional) · Pure White · AUTO VANE · Fresh-air Intake · High-efficiency (Optional) · Long Life · Check! · SWING · High Ceiling · Low Ceiling · AUTO · ECO · Auto Restart · Low Temp Cooling · Silent

60-140V/200/250 Ampere Limit · Rotation Back-up (Optional) · (Optional) · Group Control · M-NET connection (Optional) · Wi-Fi Interface (Optional) · COMPO · MXZ connection · Cleaning-free Pipe reuse · Wiring Reuse (Optional) · Drain Lift Up (Optional) · Pump Down · Flare connection · Self Diagnosis · Failure Recall

Type				Inverter Heat Pump									
Indoor Unit				PCA-RP35KAQ	PCA-RP50KAQ	PCA-RP60KAQ	PCA-RP71KAQ	PCA-RP100KAQ		PCA-RP125KAQ		PCA-RP140KAQ	
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			–	–	–	–	–	–	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	12.5	12.5	13.4	13.4
	Annual Electricity Consumption*2		kWh/a	206	292	347	375	553	560	834	844	882	893
	SEER			6.1	6.0	6.2	6.6	6.0	5.9	5.2*4	5.2*4	5.3*4	5.2*4
	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	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			–	–	–	–	–	–	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	9.3	9.3	10.6	10.6
	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)	9.3 (–10°C)	9.3 (–10°C)	10.6 (–10°C)	10.6 (–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)	9.3 (–10°C)	9.3 (–10°C)	10.6 (–10°C)	10.6 (–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)	7.0 (–20°C)	7.0 (–20°C)	7.9 (–20°C)	7.9 (–20°C)
	Back Up Heating Capacity		kW	0	0	0	0	0	0	0	0	0	0
	Annual Electricity Consumption*2		kWh/a	815	1257	1458	1519	2837	2837	3097	3097	3366	3366
	SCOP			4.1	4.2	4.3	4.3	3.9	3.9	4.2*4	4.2*4	4.4*4	4.4*4
	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	24	25	32	32	36	36	38	38	39	39
	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
Outdoor Unit	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	45.0	45.0	55.0	55.0	110.0	110.0	120.0	120.0	120.0	120.0
		Heating	m³/min	45.0	45.0	55.0	55.0	110.0	110.0	120.0	120.0	120.0	120.0
	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	70	70	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	°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 CO_2, 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.
*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/SCOP values are measured based on EN14825. These values are reference purpose only.

PCZ-P KA SERIES

STANDARD INVERTER

EUROVENT CERTIFIED PERFORMANCE

Demand Control (PUHZ) (Optional) · Pure White · AUTO VANE · Fresh-air Intake · High-efficiency (Optional) · Long Life · Check! · SWING · High Ceiling · Low Ceiling · AUTO · ECO · Auto Restart · Low Temp Cooling · Silent (PUHZ)

Rotation Back-up (PUHZ) (Optional) · (Optional) · Group Control (PUHZ) · Group Control (SUZ) (Optional) · M-NET connection (Optional) · Wi-Fi Interface (Optional) · COMPO (PUHZ) · MXZ connection · Cleaning-free Pipe reuse · Wiring Reuse (PUHZ) (Optional) · Drain Lift Up (Optional) · Pump Down (PUHZ) · Flare connection · Self Diagnosis · Failure Recall

Type				Inverter Heat Pump									
Indoor Unit				PCA-RP35KAQ	PCA-RP50KAQ	PCA-RP60KAQ	PCA-RP71KAQ	PCA-RP100KAQ		PCA-RP125KAQ		PCA-RP140KAQ	
Outdoor Unit				SUZ-KA35VA6	SUZ-KA50VA6	SUZ-KA60VA6	SUZ-KA71VA6	PUHZ-P100VHA5	PUHZ-P100YHA3	PUHZ-P125VHA4	PUHZ-P125YHA2	PUHZ-P140VHA4	PUHZ-P140YHA2
Refrigerant				R410A*1									
Power Supply	Source			Outdoor power supply									
	Outdoor (V/Phase/Hz)			VA • VHA:230 / Single / 50, YHA:400 / Three / 50									
Cooling	Capacity	Rated	kW	3.6	5.0	5.7	7.1	9.4	9.4	12.3	12.3	13.6	13.6
		Min - Max	kW	1.4 - 3.9	2.3 - 5.6	2.3 - 6.3	2.8 - 8.1	4.9 - 11.2	4.9 - 11.2	5.5 - 14.0	5.5 - 14.0	5.5 - 15.0	5.5 - 15.0
	Total Input	Rated	kW	1.050	1.550	1.720	2.060	3.130	3.130	4.090	4.090	4.840	4.840
	EER			–	–	–	–	–	–	3.01	3.01	2.81	2.81
	EEL Rank			–	–	–	–	–	–	B	B	C	C
	Design Load		kW	3.6	5.0	5.7	7.1	9.4	9.4	–	–	–	–
	Annual Electricity Consumption*2		kWh/a	214	307	332	414	645	645	–	–	–	–
	SEER			5.9	5.7	6.0	6.0	5.1	5.1	–	–	–	–
	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	14.0	14.0	16.0	16.0
		Min - Max	kW	1.7 - 5.0	1.7 - 6.6	2.5 - 8.0	2.6 - 10.2	4.5 - 12.5	4.5 - 12.5	5.0 - 16.0	5.0 - 16.0	5.0 - 18.0	5.0 - 18.0
	Total Input	Rated	kW	1.130	1.520	1.910	2.180	3.280	3.280	4.120	4.120	4.690	4.690
	COP			–	–	–	–	–	–	3.40	3.40	3.41	3.41
	EEL Rank			–	–	–	–	–	–	C	C	B	B
	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)	6.3 (–10°C)	6.3 (–10°C)	–	–	–	–
		at bivalent temperature	kW	2.3 (–7°C)	3.6 (–7°C)	4.3 (–7°C)	5.2 (–7°C)	7.1 (–7°C)	7.1 (–7°C)	–	–	–	–
		at operation limit temperature	kW	2.3 (–10°C)	3.6 (–10°C)	4.0 (–10°C)	5.2 (–10°C)	5.0 (–15°C)	5.0 (–15°C)	–	–	–	–
	Back Up Heating Capacity		kW	0.3	0.4	0.8	0.6	1.7	1.7	–	–	–	–
	Annual Electricity Consumption*2		kWh/a	887	1398	1678	2028	2945	2945	–	–	–	–
	SCOP			4.1	4.0	4.0	4.0	3.8	3.8	–	–	–	–
	Energy Efficiency Class			A+	A+	A+	A+	A	A	–	–	–	–
Operating Current (max)			A	8.5	12.4	14.4	16.5	28.7	13.7	28.8	13.8	30.4	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	24	25	32	32	36	36	38	38	39	39
	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
Outdoor Unit	Dimensions	H × W × D	mm	550 - 800 - 285		880 - 840 - 330		943 - 950 - 330 (+30)		1350 - 950 - 330 (+30)			
	Weight		kg	35	54	50	53	75	77	99	101	99	101
	Air Volume	Cooling	m³/min	36.3	44.6	40.9	50.1	60.0	60.0	119.0	119.0	119.0	119.0
		Heating	m³/min	34.8	44.6	49.2	48.2	60.0	60.0	100.0	100.0	100.0	100.0
	Sound Level (SPL)	Cooling	dB(A)	49	52	55	55	50	50	54	54	55	55
		Heating	dB(A)	50	52	55	55	54	54	55	55	56	56
	Sound Level (PWL)	Cooling	dB(A)	62	65	65	69	70	70	74	74	75	75
	Operating Current (max)		A	8.2	12.0	14.0	16.1	28.0	13.0	28.0	13.0	29.5	13.0
	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	50	50	50	50	50
	Max. Height	Out-In	m	12	30	30	30	30	30	30	30	30	30
Guaranteed Operating Range [Outdoor]		Cooling	°C	–10 ~ +46	–15 ~ +46	–15 ~ +46	–15 ~ +46	–15 ~ +46*3	–15 ~ +46*3	–15 ~ +46*3	–15 ~ +46*3	–15 ~ +46*3	–15 ~ +46*3
		Heating	°C	–10 ~ +24	–10 ~ +24	–10 ~ +24	–10 ~ +24	–15 ~ +21	–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 CO_2, 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.
*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/SCOP values are measured based on EN14825. These values are reference purpose only.

PCZ-RP HA SERIES

POWER INVERTER

Type				Inverter Heat Pump
Indoor Unit				PCA-RP71HAQ
Outdoor Unit				PUHZ-ZRP71VHA2
Refrigerant				R410A*1
Power Supply	**Source**			Outdoor power supply
	Outdoor (V/Phase/Hz)			230 / Single / 50
Cooling	**Capacity**	Rated	kW	7.1
		Min - Max	kW	3.3 - 8.1
	Total Input	Rated	kW	2.17
	EER			–
		EEL Rank		–
	Design Load		kW	7.1
	Annual Electricity Consumption*2		kWh/a	447
	SEER			5.6
		Energy Efficiency Class		A+
Heating (Average Season)	**Capacity**	Rated	kW	7.6
		Min - Max	kW	3.5 - 10.2
	Total Input	Rated	kW	2.35
	COP			–
		EEL Rank		–
	Design Load		kW	4.7
	Declared Capacity	at reference design temperature	kW	4.7 (–10°C)
		at bivalent temperature	kW	4.7 (–10°C)
		at operation limit temperature	kW	3.5 (–20°C)
	Back Up Heating Capacity		kW	0
	Annual Electricity Consumption*2		kWh/a	1751
	SCOP			3.8
		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 × W × 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 × W × D	mm	943 - 950 - 330 (+30)
	Weight		kg	70
	Air Volume	Cooling	m^3/min	55.0
		Heating	m^3/min	55.0
	Sound Level (SPL)	Cooling	dB(A)	47
		Heating	dB(A)	48
	Sound Level (PWL)	Cooling	dB(A)	67
	Operating Current (max)		A	19.0
	Breaker Size		A	25
Ext. Piping	**Diameter**	Liquid / Gas	mm	9.52 / 15.88
	Max. Length	Out-In	m	50
	Max. Height	Out-In	m	30
Guaranteed Operating Range [Outdoor]		Cooling*3	°C	–15 ~ +46
		Heating	°C	–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 CO_2, 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.
*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.

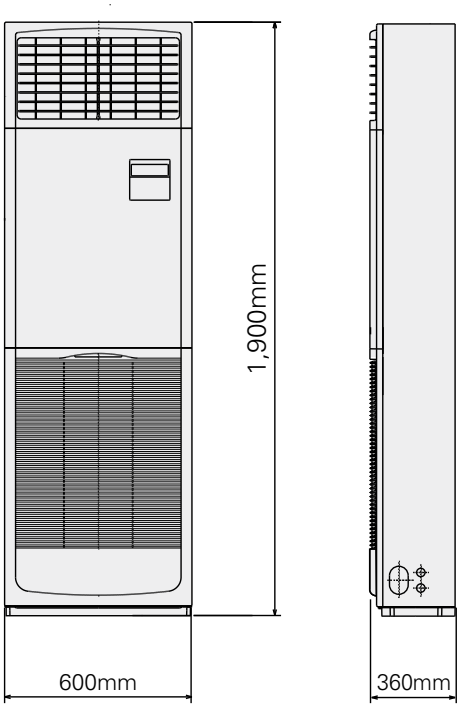
PSA SERIES

Installation of this floor-standing series is easy and quick.
An excellent choice when there is a sudden need for an air conditioner to be installed.

Quick and Easy Installation, Space-saving and Design That Compliments Any Interior

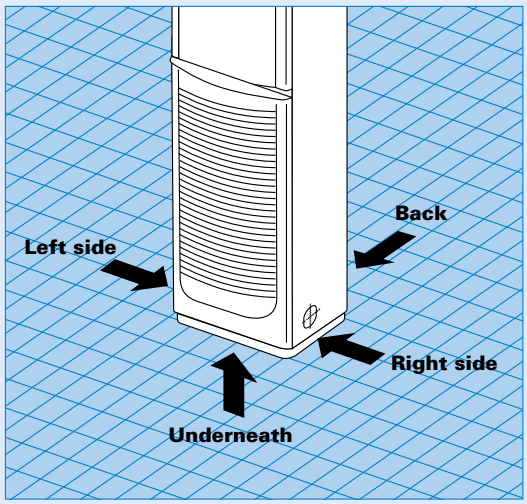
The floor-standing indoor unit is mounted on the floor, enabling quick installation. Its compact body requires only minimal space.

● PSA-RP71KA



4-way pipe work connections enable greater freedom in installation

Remarkable freedom in choosing installation sites is allowed by providing piping connection to the indoor unit in four places: left side, back, from underneath and on the right side of the unit. Even installation in the corner of a room is easy.



Built-in Remote Controller

Easy Operation with Built-in PAR-21MAA Remote Controller
Icon, letter and number visibility are improved with the adoption of a dot liquid-crystal display (LCD), and operation management functions have been increased.

Main Functions

- Multi-language Display
- Limited Temperature Range Setting
- Auto-off Timer
- Operation Lock
- Weekly Timer

SERIES SELECTION

Power Inverter Series

Indoor Unit

PSA-RP71/100/125/140KA

Outdoor Unit

For Single

PUHZ-ZRP71

PUHZ-ZRP100/125/140

For Multi (Twin/Triple)

PUHZ-ZRP140/200/250

Remote Controller

Built-in

Standard Inverter Series

Indoor Unit

PSA-RP71/100/125/140KA

Outdoor Unit

For Single

PUHZ-P100

PUHZ-P125/140

For Multi (Twin/Triple)

PUHZ-P140

PUHZ-P200/250

Remote Controller

Built-in

PSZ-RP 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)		–	–	–	71x1	100x1	125x1	140x1	–	–	–	–	–	71x2	100x2	125x2	–	–	71x3	–	–
	Distribution Pipe	–	–	–	–	–	–	–	–	–	–	–	–	MSDD-50TR-E	MSDD-50WR-E		–	–	MSDT-111R-E	–	–
Standard Inverter (PUHZ-P)		–	–	–	–	100x1	125x1	140x1	–	–	–	–	–	71x2	100x2	125x2	–	–	71x3	–	–
	Distribution Pipe	–	–	–	–	–	–	–	–	–	–	–	–	MSDD-50TR-E	MSDD-50WR-E		–	–	MSDT-111R-E	–	–

PSZ-RP SERIES
POWER INVERTER

Demand Control (Optional) · Pure White · Long Life · Check! · SWING · ACO · Auto Restart · Low Temp Cooling · Silent · 71-140V Ampere Limit · Group Control (Optional) · M-NET connection (Optional) · Wi-Fi Interface (Optional) · COMPO · Cleaning-free pipe resin · Wiring Reuse (Optional) · Pump Down · Flare connection · Self Diagnosis · Failure Recall

Type				Inverter Heat Pump						
Indoor Unit				PSA-RP71KA	PSA-RP100KA		PSA-RP125KA		PSA-RP140KA	
Outdoor Unit				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	7.1	9.5	9.5	12.5	12.5	13.4	13.4
		Min - Max	kW	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	1.89	2.50	2.50	4.09	4.09	4.06	4.06
	EER			–	–	–	3.06	3.06	3.30	3.30
		EEL Rank		–	–	–	–	–	–	–
	Design Load		kW	7.1	9.5	9.5	12.5	12.5	13.4	13.4
	Annual Electricity Consumption*2		kWh/a	396	595	606	847	885	872	883
	SEER			6.3	5.6	5.5	5.0*4	4.9*4	5.3*4	5.3*4
		Energy Efficiency Class		A++	A+	A	–	–	–	–
Heating (Average Season)	Capacity	Rated	kW	7.6	11.2	11.2	14.0	14.0	16.0	16.0
		Min - Max	kW	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	2.21	3.08	3.08	4.24	4.24	4.79	4.79
	COP			–	–	–	3.30	3.30	3.34	3.34
		EEL Rank		–	–	–	–	–	–	–
	Design Load		kW	4.7	7.8	7.8	9.3	9.3	10.6	10.6
	Declared Capacity	at reference design temperature	kW	4.7 (–10°C)	7.8 (–10°C)	7.8 (–10°C)	9.3 (–10°C)	9.3 (–10°C)	10.6 (–10°C)	10.6 (–10°C)
		at bivalent temperature	kW	4.7 (–10°C)	7.8 (–10°C)	7.8 (–10°C)	9.3 (–10°C)	9.3 (–10°C)	10.6 (–10°C)	10.6 (–10°C)
		at operation limit temperature	kW	3.5 (–20°C)	5.8 (–20°C)	5.8 (–20°C)	7.0 (–20°C)	7.0 (–20°C)	7.9 (–20°C)	7.9 (–20°C)
	Back Up Heating Capacity		kW	0	0	0	0	0	0	0
	Annual Electricity Consumption*2		kWh/a	1666	2761	2761	3285	3285	3331	3331
	SCOP			4.0	4.0	4.0	4.0*4	4.0*4	4.4*4	4.4*4
		Energy Efficiency Class		A+	A+	A+	–	–	–	–
Operating Current (max)			A	19.4	27.2	8.7	27.2	10.2	28.7	13.7
Indoor Unit	Input	Rated	kW	0.06	0.11	0.11	0.11	0.11	0.11	0.11
	Operating Current (max)		A	0.4	0.71	0.71	0.73	0.73	0.73	0.73
	Dimensions <Panel>	H × W × D	mm	1900 - 600 - 360						
	Weight <Panel>		kg	46	46	46	46	46	48	48
	Air Volume [Lo-Mid-Hi]		m³/min	20 - 22 - 24	25 - 28 - 30	25 - 28 - 30	25 - 28 - 31	25 - 28 - 31	25 - 28 - 31	25 - 28 - 31
	Sound Level (SPL) [Lo-Mid-Hi]		dB(A)	40 - 42 - 44	45 - 49 - 51	45 - 49 - 51	45 - 49 - 51	45 - 49 - 51	45 - 49 - 51	45 - 49 - 51
	Sound Level (PWL)		dB(A)	60	65	65	66	66	66	66
Outdoor Unit	Dimensions	H × W × D	mm	943-950-330(+30)			1338-1050-330(+40)			
	Weight		kg	70	116	123	116	125	118	131
	Air Volume	Cooling	m³/min	55.0	110.0	110.0	120.0	120.0	120.0	120.0
		Heating	m³/min	55.0	110.0	110.0	120.0	120.0	120.0	120.0
	Sound Level (SPL)	Cooling	dB(A)	47	49	49	50	50	50	50
		Heating	dB(A)	48	51	51	52	52	52	52
	Sound Level (PWL)	Cooling	dB(A)	67	69	69	70	70	70	70
	Operating Current (max)		A	19.0	26.5	8.0	26.5	9.5	28.0	13.0
	Breaker Size		A	25	32	16	32	16	40	16
Ext. Piping	Diameter	Liquid / Gas	mm	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	75	75	75	75	75	75
	Max. Height	Out-In	m	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
		Heating	°C	–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 CO_2, 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.
*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/SCOP values are measured based on EN14825. These values are reference purpose only.

PSZ-P SERIES
STANDARD INVERTER

Demand Control (Optional) · Pure White · Long Life · Check! · SWING · ACO · Auto Restart · Low Temp Cooling · Silent · Group Control (Optional) · M-NET connection (Optional) · Wi-Fi Interface (Optional) · COMPO · Cleaning-free pipe resin · Wiring Reuse (Optional) · Pump Down · Flare connection · Self Diagnosis · Failure Recall

Type				Inverter Heat Pump					
Indoor Unit				PSA-RP100KA	PSA-RP100KA	PSA-RP125KA	PSA-RP125KA	PSA-RP140KA	PSA-RP140KA
Outdoor Unit				PUHZ-P100VHA5	PUHZ-P100YHA3	PUHZ-P125VHA4	PUHZ-P125YHA2	PUHZ-P140VHA4	PUHZ-P140YHA2
Refrigerant				R410A*1					
Power Supply	Source			Outdoor power supply					
	Outdoor (V/Phase/Hz)			VHA:230 / Single / 50, YHA:400 / Three / 50					
Cooling	Capacity	Rated	kW	9.4	9.4	12.3	12.3	13.6	13.6
		Min - Max	kW	4.9 - 11.2	4.9 - 11.2	5.5 - 14.0	5.5 - 14.0	5.5 - 15.0	5.5 - 15.0
	Total Input	Rated	kW	3.120	3.120	4.380	4.380	5.640	5.640
	EER			–	–	2.81	2.81	2.41	2.41
		EEL Rank		–	–	C	C	E	E
	Design Load		kW	9.4	9.4	–	–	–	–
	Annual Electricity Consumption*2		kWh/a	716	716	–	–	–	–
	SEER			4.6	4.6	–	–	–	–
		Energy Efficiency Class		B	B	–	–	–	–
Heating (Average Season)	Capacity	Rated	kW	11.2	11.2	14.0	14.0	16.0	16.0
		Min - Max	kW	4.5 - 12.5	4.5 - 12.5	5.0 - 16.0	5.0 - 16.0	5.0 - 18.0	5.0 - 18.0
	Total Input	Rated	kW	3.280	3.280	4.980	4.980	5.690	5.690
	COP			–	–	2.81	2.81	2.81	2.81
		EEL Rank		–	–	D	D	D	D
	Design Load		kW	8.0	8.0	–	–	–	–
	Declared Capacity	at reference design temperature	kW	6.3 (–10°C)	6.3 (–10°C)	–	–	–	–
		at bivalent temperature	kW	7.1 (–7°C)	7.1 (–7°C)	–	–	–	–
		at operation limit temperature	kW	5.0 (–15°C)	5.0 (–15°C)	–	–	–	–
	Back Up Heating Capacity		kW	1.7	1.7	–	–	–	–
	Annual Electricity Consumption*2		kWh/a	2945	2945	–	–	–	–
	SCOP			3.8	3.8	–	–	–	–
		Energy Efficiency Class		A	A	–	–	–	–
Operating Current (max)			A	28.7	13.7	28.7	13.7	30.2	13.7
Indoor Unit	Input	Rated	kW	0.11	0.11	0.11	0.11	0.11	0.11
	Operating Current (max)		A	0.71	0.71	0.73	0.73	0.73	0.73
	Dimensions <Panel>	H × W × D	mm	1900 - 600 - 360					
	Weight <Panel>		kg	46	46	46	46	48	48
	Air Volume [Lo-Mid-Hi]		m³/min	25 - 28 - 30	25 - 28 - 30	25 - 28 - 31	25 - 28 - 31	25 - 28 - 31	25 - 28 - 31
	Sound Level (SPL) [Lo-Mid-Hi]		dB(A)	45 - 49 - 51	45 - 49 - 51	45 - 49 - 51	45 - 49 - 51	45 - 49 - 51	45 - 49 - 51
	Sound Level (PWL)		dB(A)	65	65	66	66	66	66
Outdoor Unit	Dimensions	H × W × D	mm	943 - 950 - 330 (+30)		1350 - 950 - 330 (+30)			
	Weight		kg	75	77	99	101	99	101
	Air Volume	Cooling	m³/min	60.0	60.0	119.0	119.0	119.0	119.0
		Heating	m³/min	60.0	60.0	100.0	100.0	100.0	100.0
	Sound Level (SPL)	Cooling	dB(A)	50	50	54	54	55	55
		Heating	dB(A)	54	54	55	55	56	56
	Sound Level (PWL)	Cooling	dB(A)	70	70	74	74	75	75
	Operating Current (max)		A	28.0	13.0	28.0	13.0	29.5	13.0
	Breaker Size		A	32	16	32	16	40	16
Ext. Piping	Diameter	Liquid / Gas	mm	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	50	50
	Max. Height	Out-In	m	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
		Heating	°C	–15 ~ +21	–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 CO_2, 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.
*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/SCOP values are measured based on EN14825. These values are reference purpose only.