
















# P

SERIES



# SELECTION


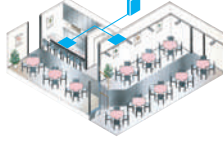
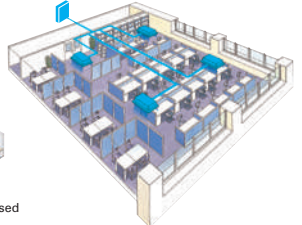
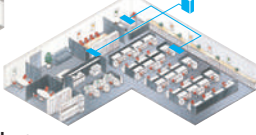
Line-up includes a selection of eight indoor units and four series of outdoor units.  
Easily construct a system that best matches room air conditioning needs.

R32 R410A INDOOR UNIT		R32 OUTDOOR UNIT	
 4-way ceiling-cassette PLA-ZM EA PLA-M EA	 Wall-mounted PKA-M LA (L) PKA-M KA (L)	<b>Power Inverter</b>  PUZ-ZM35/50  PUZ-ZM60/71  PUZ-ZM100/125/140/ 200/250	<b>Standard Inverter</b>  SUZ-M35  SUZ-M50  SUZ-M60/71  PUZ-M100/125/140  PUZ-M200/250
 Ceiling-concealed PEAD-M	 Ceiling-concealed PEA-M		
 Ceiling-suspended PCA-M	 Floor-standing PSA-M		
 Professional Kitchen PCA-M HA			

\* Some indoor units cannot be used with this unit.

## 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.)

<p><b>Single System</b></p> 	<p><b>Simultaneous Multi-System</b></p> <p><b>Twin</b> Allows simultaneous operation of two indoor units on one floor.</p> 	<p><b>Quadruple</b> Realises the optimum temperature distribution even in a large space.</p> 
	<p><b>Triple</b> Can cover a large-scale space or dispersed installation on the same floor.</p> 	

### Connectable Combinations for Inverter Units

Outdoor Unit Capacity	Indoor Unit Capacity		
	Twin	Triple	Quadruple
71	50 : 50 35 × 2	33 : 33 : 33 —	25 : 25 : 25 : 25 —
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 MSDD-50TR2-E2 MSDD-50WR2-E	MSDT-111R-E MSDT-111R3-E	MSDF-1111R-E MSDF-1111R2-E

Note: The distribution pipe listed is required for simultaneous multi-systems.

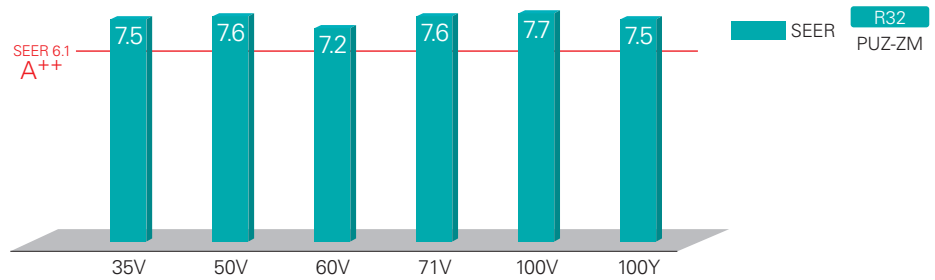
# Power Inverter SERIES

Our Eco-conscious Power Inverter Series is designed to achieve industry-leading seasonal energy-efficiency through use of New R32 refrigerant and advanced technologies.



## Industry-leading energy efficiency

Introduction of R32 refrigerant realises improved cooling efficiency. Rating of more than 7.0 achieved for all capacity range.

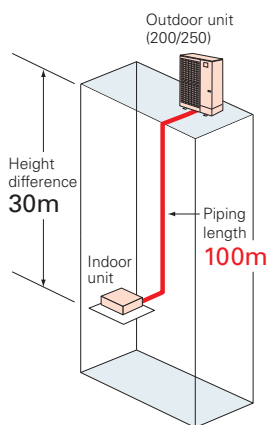


Introduction of R32 refrigerant reduces energy consumption and realises energy savings.

## Longer piping (60/71/100/125/140/200/250)

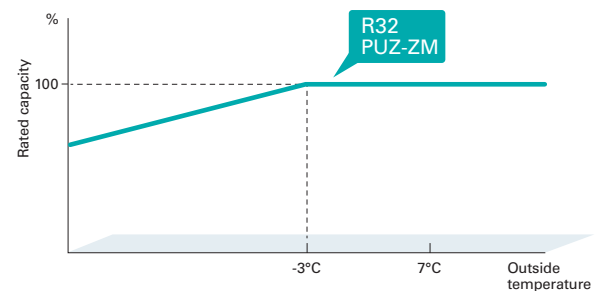
Longer piping length realised for 60, 71, 100, 125, 140, 200 and 250 classes, widely increasing installation flexibility.

	Piping Length
	R32 PUZ-ZM
35/50	50m
60/71	55m
100/125/140	100m
200/250	100m



## Rated heating capacity maintained down to -3°C\*

Rated heating capacity maintained even when the outside temperature is down to -3°C. Stay warm even at times of cold weather.



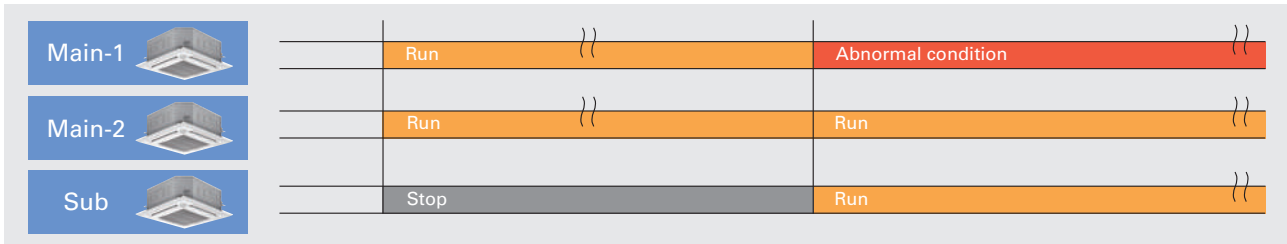
## 2+1 Back-up rotation\*

The use of a three-refrigerant air conditioning system enables you to utilize the back-up, rotation, and cut-in functions. This allows you to implement effective risk management for added peace of mind.

\*Availability of this function is depending on outdoor unit, indoor unit and remote controller.

### Back-up Function

In the unlikely event that one of the units stops operation due to an abnormality, the standby unit immediately starts back-up operation. Being fully prepared for a failure guarantees that and operation is always available and gives you the confidence that your system will be reliable in any situation.



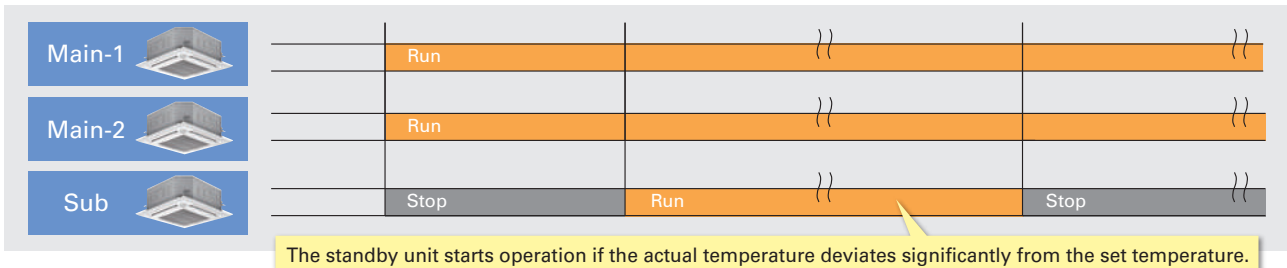
### Rotation Function

A single remote controller is used to operate three-refrigerant air conditioning system in a rotation pattern. Reducing the burden on the equipment allows you to maintain a longer time between maintenance and increases product life.



### Cut-in Function

If the actual room temperature greatly differs from the set temperature and two-refrigerant air conditioning system is insufficient, the standby unit starts operation to provide support.

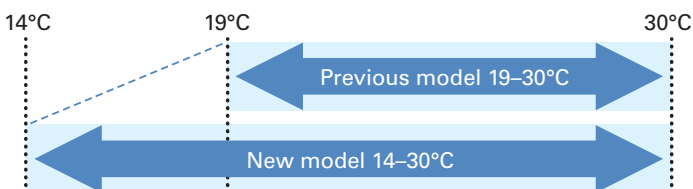


## Extended cooling set temperature range\*

In environments such as gyms where people do strenuous exercise, even if the room is cooled to an appropriate temperature, people may feel that it is hot, and they need a cooler air. To satisfy such demands, we have extended the lower limit of the cooling set temperature range from 19–30°C. to 14–30°C.

\*Insulation kit (PAC-SK36HK-E) is required when indoor unit is PLA series.

\*Availability of this function is depending on outdoor unit, indoor unit and remote controller.



## Display of model names and serial numbers\*

The model names and serial numbers of the indoor/outdoor units that are connected to the MA smart remote controller can be automatically acquired and displayed through one simple operation. This eliminates the need to directly check each unit and helps with inquiries in the case of an abnormality.

\*Availability of this function is depending on outdoor unit, indoor unit and remote controller.

### ● Model name display (example)

```
Collect model names and S/N
OU PUZ-ZM200YKA2
IU1 PLA-ZM50EA2
IU2 PLA-ZM50EA2
IU3 PLA-ZM50EA2
IU4 PLA-ZM50EA2
Collect data: ✓
-Address + S/N
```

### ● Serial number display (example)

```
Collect model names and S/N
OU 1ZU0001
IU1 1ZA0001
IU2 1ZA0002
IU3 1ZA0003
IU4 1ZA0004
Collect data: ✓
-Address + Model
```

## Preliminary error history\*

In addition to error history, the history of preliminary abnormalities can be displayed. The feature enables the unit status check during inspection and maintenance.

\*Availability of this function is depending on outdoor unit, indoor unit and remote controller.

### ●Error history (Sample)

Error history		1/4
Error	Unt# dd/mm/yy	
E0	0-1 21/10/20 PM12:34	
E0	0-1 20/12/20 AM 1:23	
E0	0-1 20/11/20 PM10:55	
E0	0-1 20/10/20 PM12:01	

Error history menu:

▼ Page ▲ Delete

### ●Preliminary error history (Sample)

Preliminary error hist.		1/8
Error	Unt# dd/mm/yy	
E0	0-1 21/10/20 PM12:34	
E0	0-1 20/12/20 AM 1:23	
E0	0-1 20/11/20 PM10:55	
E0	0-1 20/10/20 PM12:01	

Error history menu:

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## Display of power consumption\*

It is possible to measure, acquire, and display the amount of energy used by each air conditioning system.

\*Availability of this function is depending on outdoor unit, indoor unit and remote controller.

< Data Collection Period >

Time data: Every 30 minutes over the past month

Monthly/daily data: Monthly over the past 14 months

Energy consumption values are calculated from estimated power consumption values according to the operating conditions. They may vary from the actual power consumption values. Please note that the power consumption of optional parts is not included except in the case of optional parts that have their power supplied directly by the outdoor unit.

### ●Every 30 minutes (example)

Energy data	
2019- 1-	1234.5kWh 1/6
0:30 123.4kWh	2:30 123.4kWh
1:00 123.4kWh	3:00 123.4kWh
1:30 123.4kWh	3:30 123.4kWh
2:00 123.4kWh	4:00 123.4kWh

Return:

- Date - ▼ Page ▲

### ●Daily (example)

Energy data	
2019- 1	123456.7kWh 1/4
31 1234.5kWh	27 1234.5kWh
30 1234.5kWh	26 1234.5kWh
29 1234.5kWh	25 1234.5kWh
28 1234.5kWh	24 1234.5kWh

Return:

▼ Page ▲

### ●Monthly (example)

Energy data	
▶2019- 1	123456.7kWh 1/3
2018-12	123456.7kWh
2018-11	123456.7kWh
2018-10	123456.7kWh
2018- 9	123456.7kWh

View daily data:

▼ Cursor ▲

## Improved defrosting performance\*

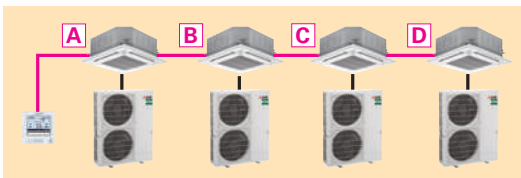
\*Availability of this function is depending on outdoor unit, indoor unit and remote controller.

### Avoiding Simultaneous Defrosting

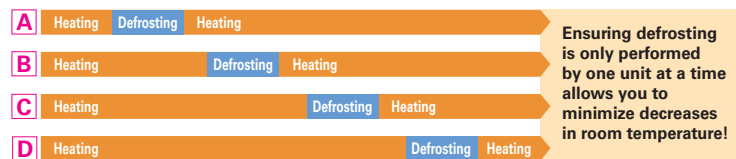
When each of multiple units is in operation for heating in the same space, these may start defrosting at the same time, resulting in a drop in the room temperature. Therefore, we have developed a new function that controls up to four-refrigerant air conditioning system to avoid simultaneous defrosting. By ensuring that defrosting is only performed by one unit at a time, it is possible to minimize any decrease in room temperature.

#### Example System Configuration

Four sets controlled by a single remote controller

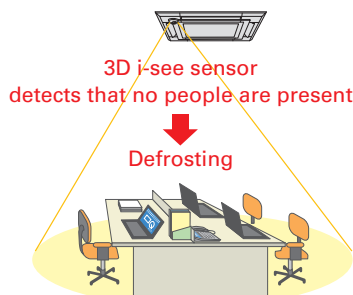


#### ■When All Sets Are Controlled Together



### Defrosting When People Are Absent

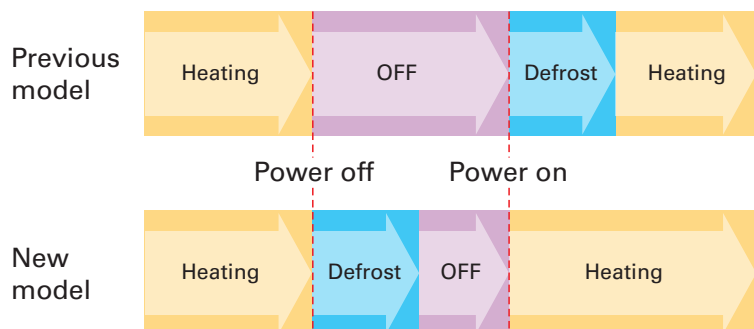
The use of the 3D i-see sensor allows a more comfortable defrosting schedule. After a large amount of frost has built up, the system will switch to defrosting when the 3D i-see sensor detects that no people are present. By minimizing defrosting while people are in the room, there is a much lower chance of a temperature drop while the room is occupied.



\* Only compatible with 4-way cassette and 2x2 cassette models with an attached 3D i-see sensor panel. Even though people are present in the room, the defrosting process may start if all defrosting conditions are met.

### Defrosting When Operation is Stopped

It takes a long time to start operation if there is an excess build-up of frost. Therefore, each unit is equipped with a control system where defrosting is performed immediately after operation is stopped when there is a large amount of frost. This allows heating to be quickly started the next day.



The power turns off after defrosting is complete and the system will start up smoothly the next time it is used.

## Easier M-NET Adapter Installation

The optional M-NET adapter, which allows centralized control (M-NET control), is now easier to install. The redesigned mounting position significantly reduces the time and effort for installation.

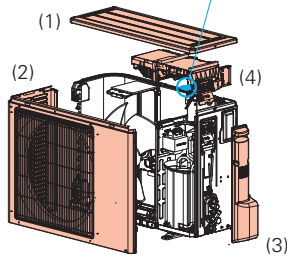
### Conventional Model

PAC-SJ96MA-E

Removed parts

The (1) top panel, (2) front panel, (3) service panel, and (4) electronics box need to be removed, and the connector must be temporarily unplugged.

### M-NET adapter mounting position



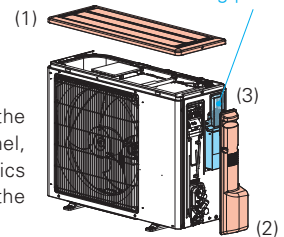
### New Model

PAC-SK15MA-E

Removed parts

There is no need to remove the (1) top panel, (2) service panel, (3) service plate, electronics box, nor temporarily unplug the connector.

### M-NET adapter mounting position



## Improved chargeless piping length ZM100/125/140

PUZ-ZM100/125/140V(Y)KA used to have a chargeless pipe length of 30 m. However, starting with the V(Y)KA2 model, this has been extended to 40 m. This allows it to be used for a wider range of applications without the need for additional charging of refrigerant.

	Maximum piping length	Chargeless piping length			Maximum piping length	Chargeless piping length
PUZ-ZM 100V (Y)KA	100m	30m	→	PUZ-ZM 100V (Y)KA2	100m	40m
PUZ-ZM 125V (Y)KA	100m	30m	→	PUZ-ZM 125V (Y)KA2	100m	40m
PUZ-ZM 140V (Y)KA	100m	30m	→	PUZ-ZM 140V (Y)KA2	100m	40m

## Utilizing IoT for Improved Convenience\*

\*Availability of IoT functions are depending on MELCloud version.

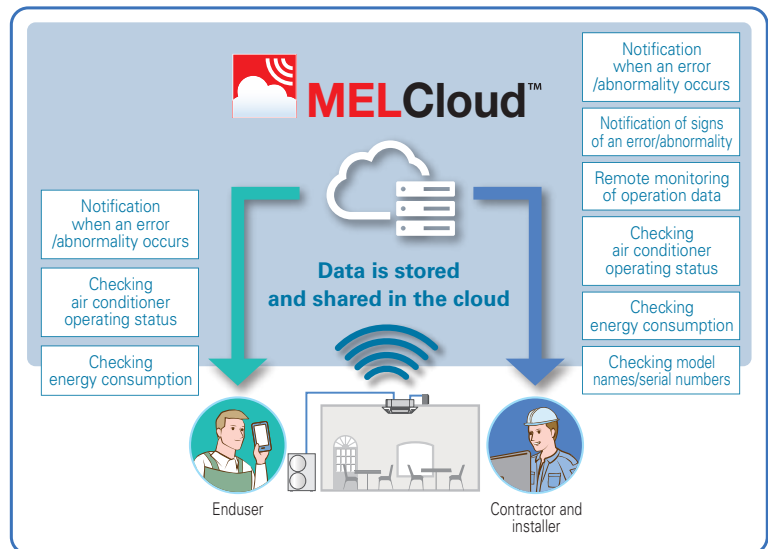
By connecting to a MAC-587IF-E Wi-Fi interface, it is possible to collect data and perform air conditioning control via MELCloud. In addition to basic functions such as turning the power on/off and setting the temperature, it is also possible to acquire data used for maintenance and inspection such as model names, serial numbers, and operation data.

### [Basic Operation Functions]

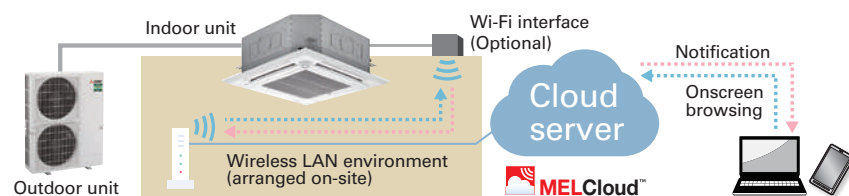
- Operation on/off
- Temperature setting
- Operation mode
- Airflow speed
- Airflow direction etc...

### [Data Collection and Display]

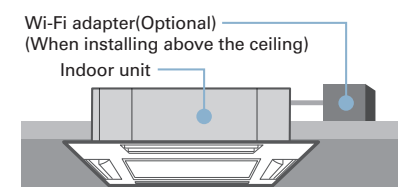
- Model name display
- Serial number display
- Collection of operation data
- Energy consumption display etc...



## MELCloud System Configuration



## Wi-Fi Adapter (Optional) Installation



## On-Site Installation and Configuration

### ① Wireless LAN adapter installation

Connect the wireless LAN adapter to the indoor unit PCB and install it above the ceiling.

### ② Wireless LAN adapter and router connection settings

### ③ Wireless LAN adapter and server connection settings

## Collection of operation data

All the operation data required for maintenance and inspection can be collected in a simple step. This data can then be easily checked via MELcloud. This makes it easy to check the operating status data even in cases when it is difficult to do a visual inspection. This allows you to quickly identify any system malfunctions. This function also helps to improve the quality of installation work and shortening the time required for maintenance and inspection.

### Operation data that can be collected (example)

- Compressor frequency ●Compressor operating current ●Outdoor discharge temperature
- Outdoor heat exchanger temperature ●Outdoor air temperature ●Compressor shell temperature
- Sub cool ●Discharge superheat ●Indoor inlet temperature ●Indoor heat exchanger temperature
- Total compressor operating time●Compressor operation count ●Indoor filter operating time

This operation data is strange...



\*1 The total compressor operating time is displayed in units of 10 hours. The compressor operation count is displayed in units of 100.  
\*2 Indicates the elapsed time since a filter sign reset was performed.

## Demand control

It is possible to control air-conditioners to appropriately operate according to the energy supply-demand adjustment by electric power companies and each electricity rate plan of end users.

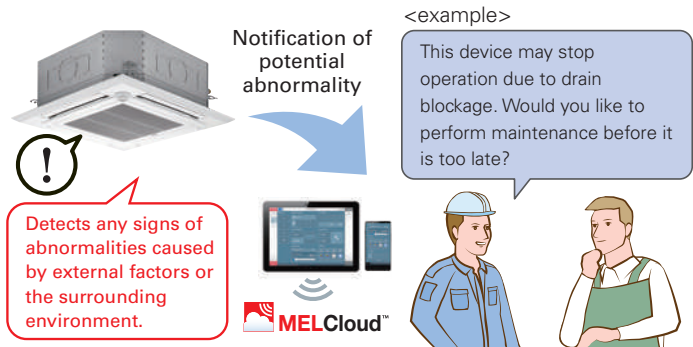
e.g. <Peak cut control> It is possible to utilize an external demand signal to reduce power consumption during peak hours. By satisfying the need for reducing peak power consumption or shifting consumption to a non-peak period, we have increased the range of options for our customers.

## Notification of potential abnormality

The comprehensive analysis of operating data allows the early detection of abnormalities in small functional parts by alerting the operator of any signs of abnormal behaviour. The recognition in advance of abnormalities in each unit further improves the ease of servicing and maintenance. Since this allows a countermeasure to be implemented before the abnormality requires the unit to be completely shut down, it is an effective method for maintaining the unit in its optimum condition.

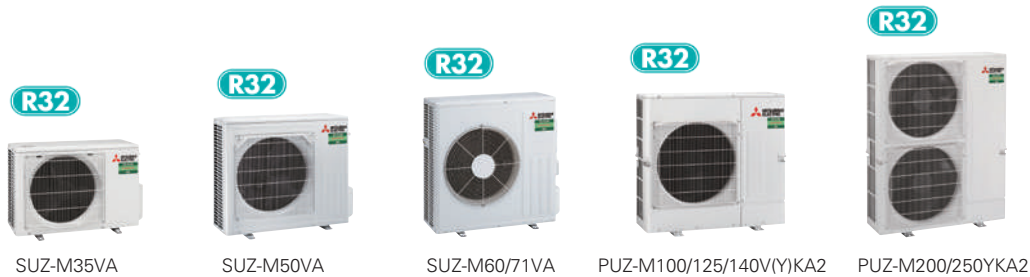
### [Abnormalities That Have Their Signs Monitored]

- Filter blockage ●Drain blockage ●Refrigerant leakage
- Heat exchanger blockage etc...



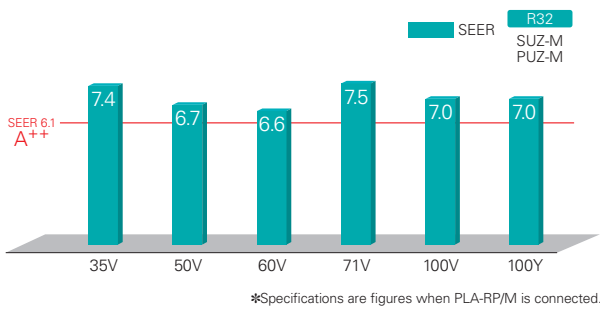
# Standard Inverter SERIES

Our Standard Series become light and compact with greater energy-saving performance.



## Improved energy efficiency

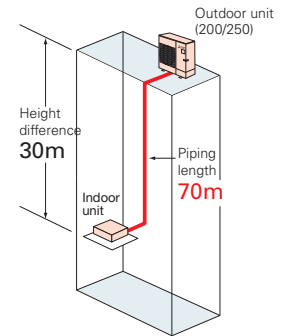
Introduction of new R32 refrigerant realizes improved cooling efficiency. Rating of more than 6.6 achieved for all capacity range.



## Longer piping (100/125/140/200/250)

Longer piping length realised for 100, 125, 140, 200 and 250 classes, widely increasing installation flexibility.

	Max. Piping Length
	R32 SUZ-M PUZ-M
25/35	20m
50/60/71	30m
100	55m
125/140	65m
200/250	70m



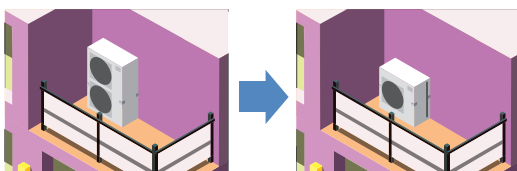
## Light weight and compact size

Compact design fits into narrow outdoor unit space of condominiums and offices. Light weight design facilitates easy installation.

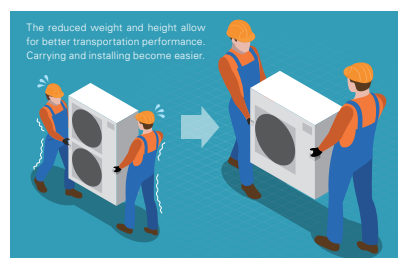
	<b>SUZ-KA50VA6</b>	→		<b>SUZ-M50VA</b>
Height 880mm			Height 714mm	<b>18% reduction</b>
Weight 54kg			Weight 41kg	<b>24% reduction</b>
	<b>PUHZ-P140YHA2</b>	→		<b>PUZ-M140YKA2</b>
Height 1,350mm			Height 981mm	<b>27% reduction</b>
Weight 101kg			Weight 85kg	<b>15% reduction</b>

### Unobstructive, compact, and easy to hide from view

Conventional outdoor units may spoil the view. Due to its compact size, the new model can be installed in locations that previous model is not suitable.



### Easy transportation and installation



Transport efficiency improves thanks to its low height. The unit can even be transported by minivan.



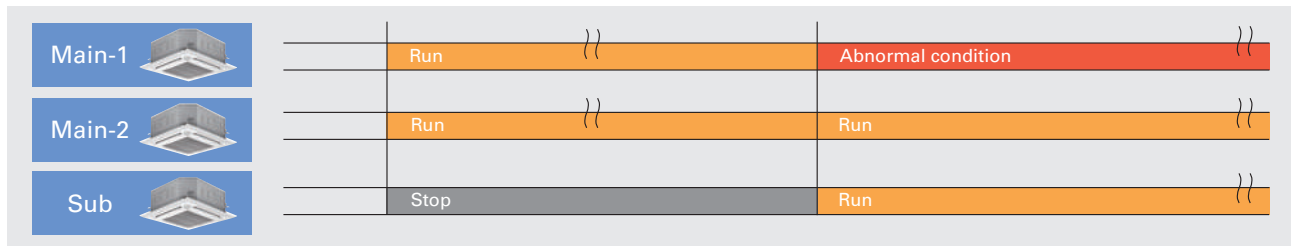
## 2+1 Back-up rotation\*

The use of a three-refrigerant air conditioning system enables you to utilize the back-up, rotation, and cut-in functions. This allows you to implement effective risk management for added peace of mind.

\*Availability of this function is depending on outdoor unit, indoor unit and remote controller.

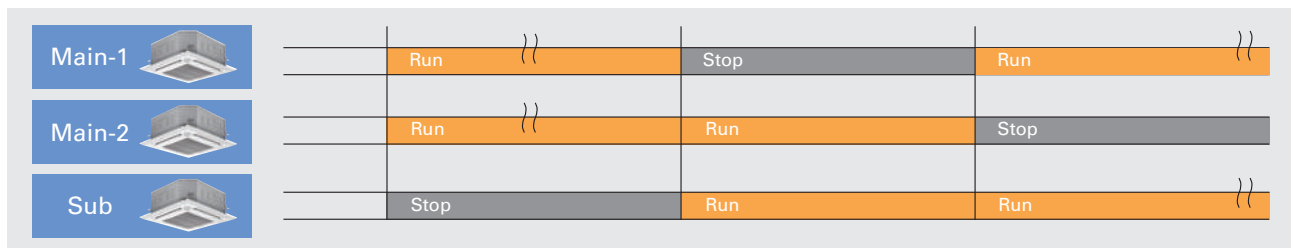
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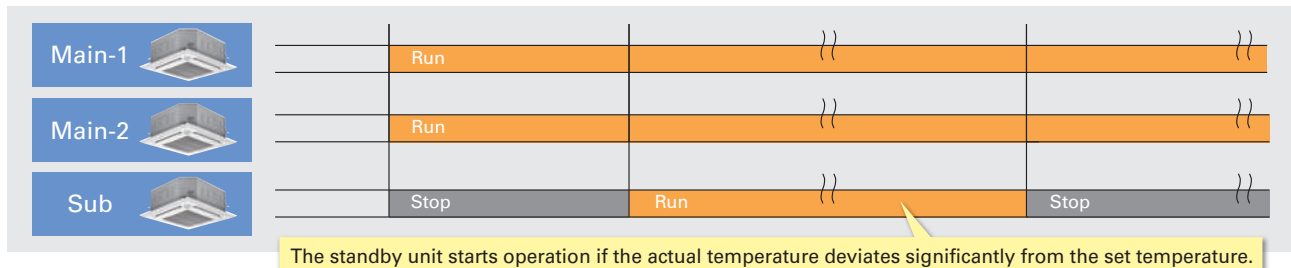
### Rotation Function

A single remote controller is used to operate three-refrigerant air conditioning system in a rotation pattern. Reducing the burden on the equipment allows you to maintain a longer time between maintenance and increases product life.



### Cut-in Function

If the actual room temperature greatly differs from the set temperature and two-refrigerant air conditioning system is insufficient, the standby unit starts operation to provide support.

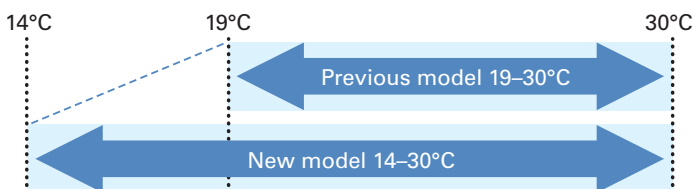


## Extended cooling set temperature range\*

In environments such as gyms where people do strenuous exercise, even if the room is cooled to an appropriate temperature, people may feel that it is hot, and they need a cooler air. To satisfy such demands, we have extended the lower limit of the cooling set temperature range from 19–30°C. to 14–30°C.

\*Insulation kit (PAC-SK36HK-E) is required when indoor unit is PLA series.

\*Availability of this function is depending on outdoor unit, indoor unit and remote controller.



## Display of model names and serial numbers\*

The model names and serial numbers of the indoor/outdoor units that are connected to the MA smart remote controller can be automatically acquired and displayed through one simple operation. This eliminates the need to directly check each unit and helps with inquiries in the case of an abnormality.

\*Availability of this function is depending on outdoor unit, indoor unit and remote controller.

● Model name display (example)

```
Collect model names and S/N
0 OU PUZ-ZM200YKA2
  IU1 PLA-ZM50EA2
  IU2 PLA-ZM50EA2
  IU3 PLA-ZM50EA2
  IU4 PLA-ZM50EA2
```

Collect data:  -Address + S/N

● Serial number display (example)

```
Collect model names and S/N
0 OU 1ZU00001
  IU1 1ZA00001
  IU2 1ZA00002
  IU3 1ZA00003
  IU4 1ZA00004
```

Collect data:  -Address + Model

## Preliminary error history\*

In addition to error history, the history of preliminary abnormalities can be displayed. The feature enables the unit status check during inspection and maintenance.

\*Availability of this function is depending on outdoor unit, indoor unit and remote controller.

### ●Error history (Sample)

Error history		1/4
Error	Unt# dd/mm/yy	
E0	0-1 21/10/20 PM12:34	
E0	0-1 20/12/20 AM 1:23	
E0	0-1 20/11/20 PM10:55	
E0	0-1 20/10/20 PM12:01	

Error history menu:

Page

### ●Preliminary error history (Sample)

Preliminary error hist.		1/8
Error	Unt# dd/mm/yy	
E0	0-1 21/10/20 PM12:34	
E0	0-1 20/12/20 AM 1:23	
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Error history menu:

Page

## Display of power consumption\*

It is possible to measure, acquire, and display the amount of energy used by each air conditioning system.

\*Availability of this function is depending on outdoor unit, indoor unit and remote controller.

< Data Collection Period >

Time data: Every 30 minutes over the past month

Monthly/daily data: Monthly over the past 14 months

Energy consumption values are calculated from estimated power consumption values according to the operating conditions. They may vary from the actual power consumption values. Please note that the power consumption of optional parts is not included except in the case of optional parts that have their power supplied directly by the outdoor unit.

### ●Every 30 minutes (example)

Energy data	
2019-1-1	1234.5kWh 1/6
0:30 123.4kWh	2:30 123.4kWh
1:00 123.4kWh	3:00 123.4kWh
1:30 123.4kWh	3:30 123.4kWh
2:00 123.4kWh	4:00 123.4kWh

Return:

Date Page

### ●Daily (example)

Energy data	
2019-1	123456.7kWh 1/4
31 1234.5kWh	27 1234.5kWh
30 1234.5kWh	26 1234.5kWh
29 1234.5kWh	25 1234.5kWh
28 1234.5kWh	24 1234.5kWh

Return:

Page

### ●Monthly (example)

Energy data	
▶2019-1	123456.7kWh 1/3
2018-12	123456.7kWh
2018-11	123456.7kWh
2018-10	123456.7kWh
2018-9	123456.7kWh

View daily data:

Cursor

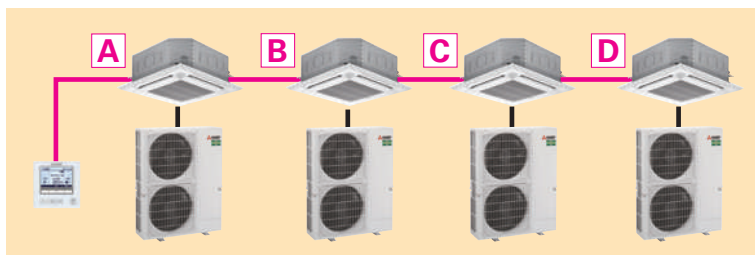
## Improved defrosting performance\*

\*Availability of this function is depending on outdoor unit, indoor unit and remote controller.

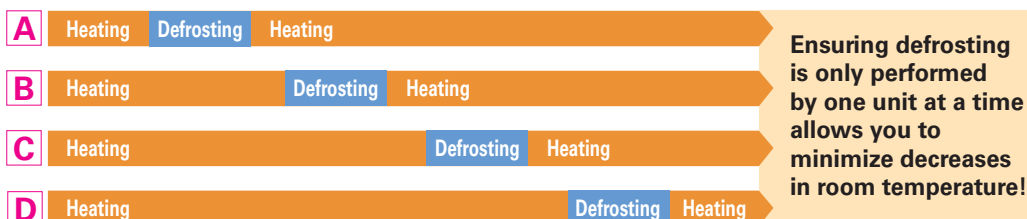
### Avoiding Simultaneous Defrosting

When each of multiple units is in operation for heating in the same space, these may start defrosting at the same time, resulting in a drop in the room temperature. Therefore, we have developed a new function that controls up to four-refrigerant air conditioning system to avoid simultaneous defrosting. By ensuring that defrosting is only performed by one unit at a time, it is possible to minimize any decrease in room temperature.

#### Example System Configuration Four sets controlled by a single remote controller



#### ■When All Sets Are Controlled Together



## Utilizing IoT for Improved Convenience\*

\*Availability of IoT functions are depending on MELCloud version.

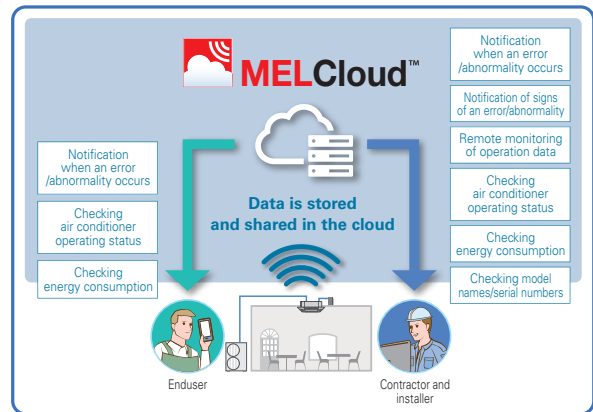
By connecting to a MAC-5871FE Wi-Fi interface, it is possible to collect data and perform air conditioning control via MELCloud. In addition to basic functions such as turning the power on/off and setting the temperature, it is also possible to acquire data used for maintenance and inspection such as model names, serial numbers, and operation data.

### [Basic Operation Functions]

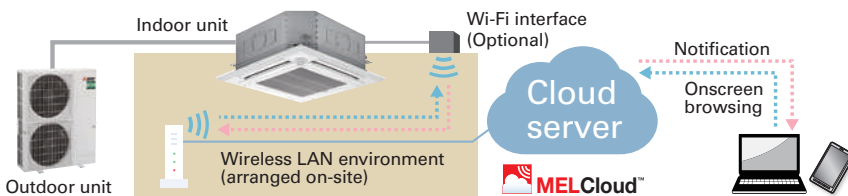
- Operation on/off ●Temperature setting
- Operation mode ●Airflow speed
- Airflow direction etc...

### [Data Collection and Display]

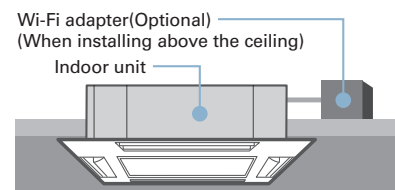
- Model name display ●Serial number display
- Collection of operation data
- Energy consumption display etc...



## MELCloud System Configuration



## Wi-Fi Adapter (Optional) Installation



## On-Site Installation and Configuration

### ① Wireless LAN adapter installation

Connect the wireless LAN adapter to the indoor unit PCB and install it above the ceiling.

### ② Wireless LAN adapter and router connection settings

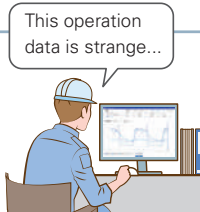
### ③ Wireless LAN adapter and server connection settings

## Collection of operation data

All the operation data required for maintenance and inspection can be collected in a simple step. This data can then be easily checked via MELcloud. This makes it easy to check the operating status data even in cases when it is difficult to do a visual inspection. This allows you to quickly identify any system malfunctions. This function also helps to improve the quality of installation work and shortening the time required for maintenance and inspection.

### Operation data that can be collected (example)

- Compressor frequency ●Compressor operating current ●Outdoor discharge temperature
- Outdoor heat exchanger temperature ●Outdoor air temperature ●Compressor shell temperature
- Sub cool ●Discharge superheat ●Indoor inlet temperature ●Indoor heat exchanger temperature
- Total compressor operating time ●Compressor operation count ●Indoor filter operating time



\*1 The total compressor operating time is displayed in units of 10 hours. The compressor operation count is displayed in units of 100.  
\*2 Indicates the elapsed time since a filter sign reset was performed.

## Demand control

It is possible to control air-conditioners to appropriately operate according to the energy supply-demand adjustment by electric power companies and each electricity rate plan of end users.

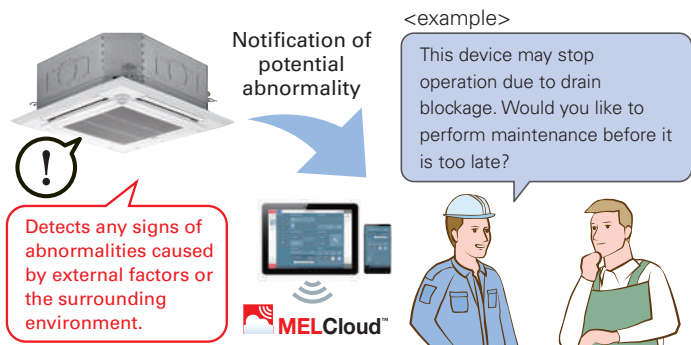
e.g. <Peak cut control> It is possible to utilize an external demand signal to reduce power consumption during peak hours. By satisfying the need for reducing peak power consumption or shifting consumption to a non-peak period, we have increased the range of options for our customers.

## Notification of potential abnormality

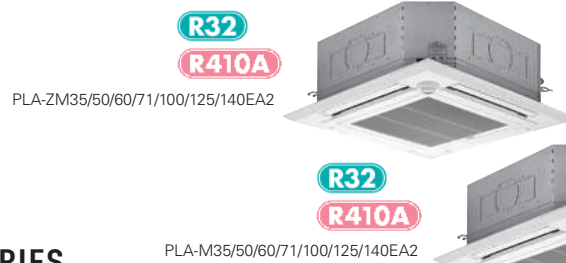
The comprehensive analysis of operating data allows the early detection of abnormalities in small functional parts by alerting the operator of any signs of abnormal behaviour. The recognition in advance of abnormalities in each unit further improves the ease of servicing and maintenance. Since this allows a countermeasure to be implemented before the abnormality requires the unit to be completely shut down, it is an effective method for maintaining the unit in its optimum condition.

### [Abnormalities That Have Their Signs Monitored]

- Filter blockage ●Drain blockage ●Refrigerant leakage
- Heat exchanger blockage etc...



# PLA SERIES



A complete line-up including deluxe units that offer added energy savings. The incorporation of "3D total flow" 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.

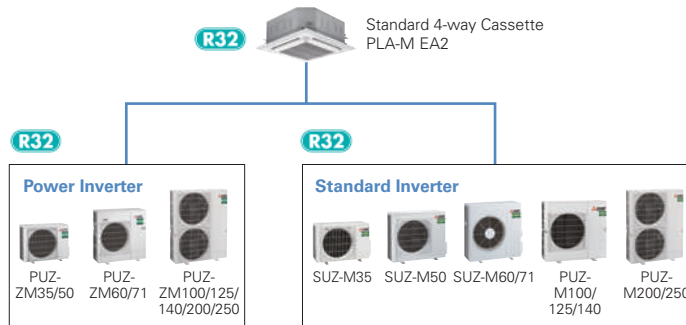
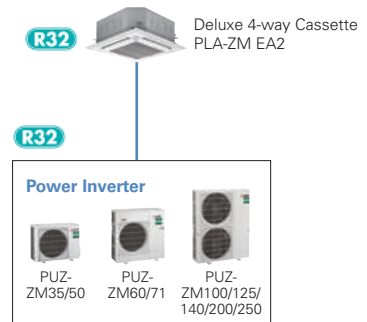
## Deluxe 4-way Cassette Line-up

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

### Line-up

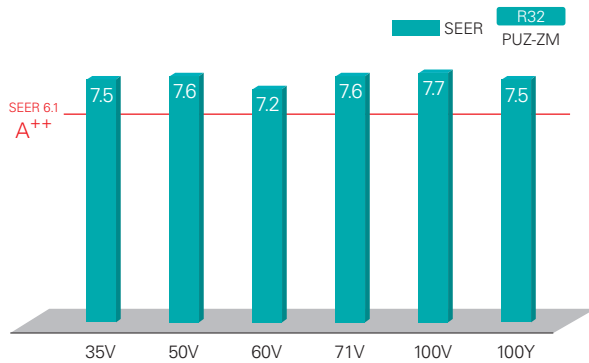
Series	Model	35	50	60	71	100	125	140
R32	Deluxe 4-way Cassette (PLA-ZM)	●	●	●	●	●	●	●
R32	Standard 4-way Cassette (PLA-M)	●	●	●	●	●	●	●

### Indoor/Outdoor Unit Combinations



## Industry-leading energy efficiency

Introduction of R32 refrigerant realises improved cooling efficiency. Rating of more than 7.0 achieved for all capacity range. Introduction of R32 refrigerant reduces energy consumption and realises energy savings.

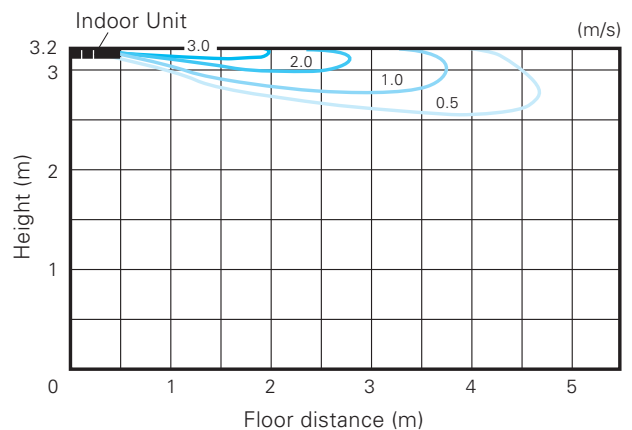


## Horizontal Airflow

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-ZM140EA2  
Ceiling height: 3.2m  
Mode: Cooling



## Automatic Grille Lowering Function (PLP-6EAJ, PLP-6EAJE)\*

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.

\*Auto elevation panel(PLP-6EAJ,PLP-6EAJE) cannot be used with Plasma Quad Connect(PAC-SK51TFE) and Insulation kit (PAC-SK36HK-E).



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

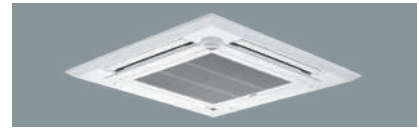


■ Control box cover



### 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.



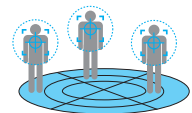
## 3D i-see Sensor for S & P SERIES

### 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 number of people

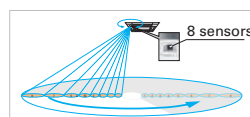


Detects people's position

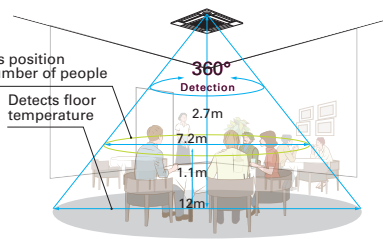


### Detects people's position

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.



Detects position and number of people

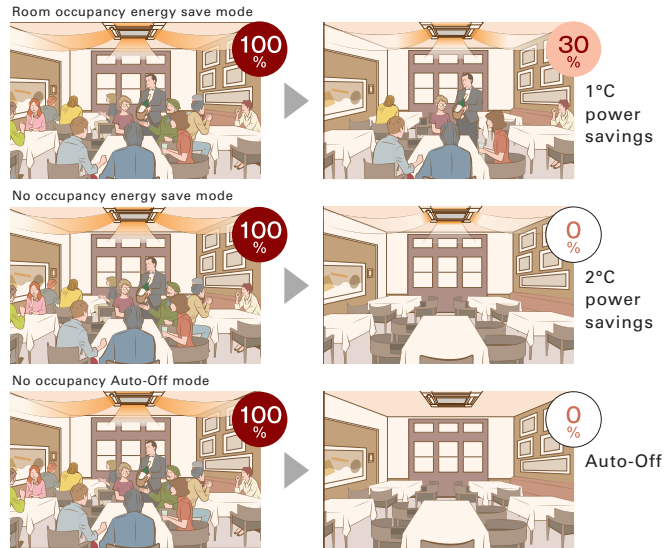


Floor surface \*In case of a 2.7m ceiling

## Detects number of people (3D i-see Sensor)

### 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.



\*PAR-41MAA is required for each setting

### 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.

\*When MA Remote Controller is used to control multiple refrigerant systems, "No occupancy Auto-Off mode" cannot be used.

## Detects people's position (3D i-see Sensor)

### 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-41MAA or PAR-SL101A-E is required for each setting.

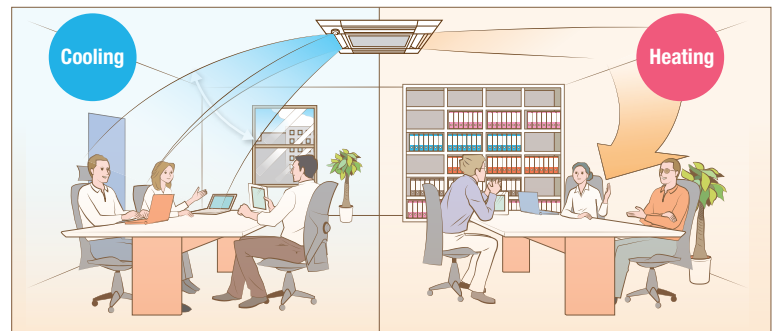
### Seasonal airflow\*

#### <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.

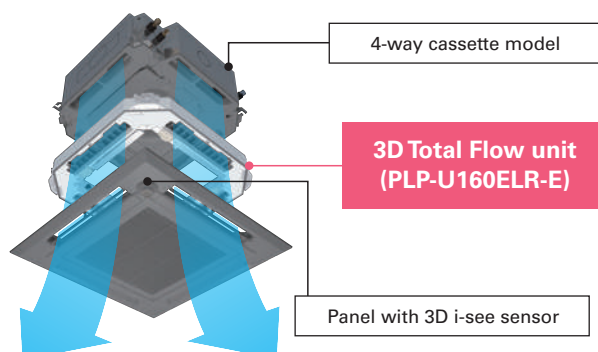


\*PAR-41MAA is required for each setting.

## 3D Total Flow\*

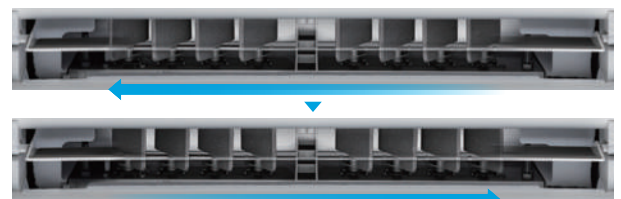
3D Total Flow is an innovative function. Our original 3D i-see sensor detects the temperature of the floor, and then the newly installed 3D Total Flow unit automatically controls the airflow in the left/right directions in a smart manner.

\*3D Total Flow unit(PLP-U160ELR-E) cannot be used with Plasma Quad Connect(PAC-SK51TFE), Insulation kit(PAC-SK36HK-E), Shutter Plate(PAC-SJ37SP-E), Multi functional casement(PAC-SJ41TM-E) and High-efficiency filter element(PAC-SH59KF-E)

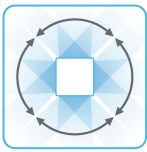


## Horizontal louver (3D Total Flow)

In addition to the ability of conventional models to control airflow in the vertical direction, the adoption of a horizontal louver unit allows each outlet to blow air over a horizontal angle of 90 degrees. The combination of four outlets delivers 360° airflow control around the entire circumference. This now makes it possible to blow air in diagonal directions which eliminates temperature irregularities.



louvers can provide horizontal airflow control.



### Swinging

Since airflow can be controlled in the horizontal and vertical directions, you can efficiently make the entire room comfortable.

#### Horizontal, vertical, and diagonal airflow delivered to every corner

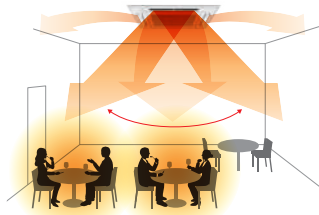
The combination of the vertical vanes with the horizontal louver unit makes it possible to direct airflow in any direction. This quickly makes the entire room comfortable, even when diagonal airflow is necessary.

Without 3D Total Flow

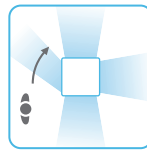


There are some areas that cannot receive air through vertical airflow control.

With 3D Total Flow



Swinging in both the vertical and horizontal directions provides a pleasant breeze throughout the room.



### Indirect mode

When set to "Indirect" mode, the system detects the position of a person and maintains comfort while diverting airflow away from them.

#### Prevents direct airflow and keeps you comfortable

This function prevents people from being directly exposed to airflow while still ensuring comfort. The "Indirect" mode of 3D Total Flow keeps the downward airflow while avoiding direct blow to people, delivering a pleasant warmth.

Without 3D Total Flow

Models that are only equipped with vertical vanes need to swing the airflow upward to avoid people. This makes it difficult to warm up the surrounding space.

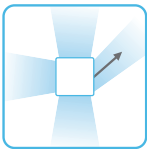


With 3D Total Flow

Now, it is easier to warm the surrounding space while still ensuring people do not receive direct blow.



\*If people are present throughout the entire airflow range of an outlet, the airflow is shifted horizontally to avoid direct airflow.



### Targeting

The system can detect spaces with uneven temperatures and target them by sending air even if they are in a diagonal direction.

#### Detects and targets areas with uneven temperatures

3D i-see sensor detects areas with uneven temperatures, even if they are caused by the installation orientation of the air conditioner or the influence of strong sunlight. Efficient air conditioning is possible thanks to the ability to send focused airflow to such areas, even those in a diagonal position.

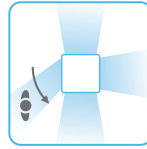
Without 3D Total Flow

Depending on application, conventional systems may take a long time to cool down hot spots.



With 3D Total Flow

The new system efficiently eliminates hot spots by using targeted airflow.



### Direct mode

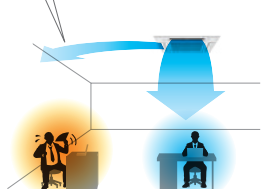
When set to "Direct" mode, the system detects the position and diverts airflow towards wherever they are located.

#### Delivers airflow even in diagonal directions

You can freely turn on "Direct" mode depending on personal preference. This allows for air conditioning in diagonal directions which was difficult for models that could only swing the airflow up and down. This feature is perfect for when you come back home on a hot day.

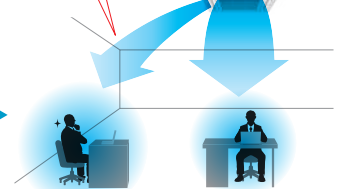
Without 3D Total Flow

It is difficult to direct airflow in diagonal directions when only using vertical vanes.



With 3D Total Flow

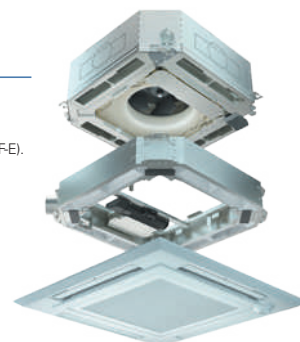
Ensures comfort even when you are located diagonally from an outlet.



## Connectable to *Plasma Quad Connect*\*

The optional Plasma Quad Connect PAC-SK51FTE can be installed on the indoor units.

\*Plasma Quad Connect(PAC-SK51FTE) cannot be used with PLP-U160ELR-E(3D Total Flow unit), Insulation kit (PAC-SK36HK-E), Auto elevation panel(PLP-6EAJ, PLP-6EAJE), Multi functional casement(PAC-SJ41TM-E) and High-efficiency filter element(PAC-SH59KF-E).



## SERIES SELECTION

### Power Inverter Series



#### Indoor Unit

**R32**  
**R410A**



Panel PLA-ZM35/50/60/71/100/125/140EA2

Panel	With Signal Receiver	With 3D i-see Sensor	With Wireless Remote Controller	With Auto Elevation
PLP-6EA(B)				
PLP-6EAL	✓			
PLP-6EAE		✓		
PLP-6EALM2	✓	✓		
PLP-6EAJ*	✓	✓		✓
PLP-6EAJE*	✓	✓		✓
PLP-6EALME2	✓	✓	✓	

\*Auto elevation panel(PLP-6EAJ,PLP-6EAJE) cannot be used with Plasma Quad Connect(PAC-SK51FT-E) and Insulation kit (PAC-SK36HK-E).

#### Outdoor Unit

**R32**

For Single



PUZ-ZM35/50      PUZ-ZM60/71      PUZ-ZM100/125/140

**R32**

For Multi  
(Twin/Triple/Quadruple)



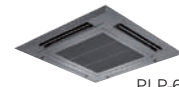
PUZ-ZM71      PUZ-ZM100/125/140/200/250

#### 3D Total Flow Unit

PLP-U160ELR-E (optional)



#### Black Panel



PLP-6EAB (optional)

#### Remote Controller



Optional



Optional



Optional



\* Enclosed in PLP-6EALM2/ PLP-6EALME2

### PLA-ZM EA2 Indoor Unit Combinations

Indoor unit combinations shown below are possible.

Indoor Unit Combination	Outdoor Unit Capacity																			
	For Single									For Twin						For Triple			For Quadruple	
	35	50	60	71	100	125	140	200	250	71	100	125	140	200	250	140	200	250	200	250
Power Inverter (PUZ-ZM)	35x1	50x1	60x1	71x1	100x1	125x1	140x1	-	-	35x2	50x2	60x2	71x2	100x2	125x2	50x3	60x3	71x3	50x4	60x4
Distribution Pipe	-	-	-	-	-	-	-	-	-	MSDD-50TR2-E			MSDD-50WR2-E			MSDF-111R3-E			MSDF-111R2-E	

## SERIES SELECTION

### Standard Inverter Series



#### Indoor Unit

**R32**  
**R410A**



Panel PLA-M35/50/60/71/100/125/140EA2

Panel	With Signal Receiver	With 3D i-see Sensor	With Wireless Remote Controller	With Auto Elevation
PLP-6EA(B)				
PLP-6EAL	✓			
PLP-6EAE		✓		
PLP-6EALM2	✓	✓		
PLP-6EAJ*	✓	✓		✓
PLP-6EAJE*	✓	✓		✓
PLP-6EALME2	✓	✓	✓	

\*Auto elevation panel(PLP-6EAJ,PLP-6EAJE) cannot be used with Plasma Quad Connect(PAC-SK51FT-E) and Insulation kit (PAC-SK36HK-E).

#### Outdoor Unit

**R32**

For Single



SUZ-M35      SUZ-M50      SUZ-M60/71      PUZ-M100/125/140

**R32**

For Multi  
(Twin/Triple/Quadruple)



PUZ-M100/125/140      PUZ-M200/250

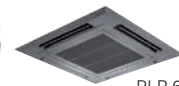
#### 3D Total Flow Unit

PLP-U160ELR-E\* (optional)

\*SUZ combination is not available.



#### Black Panel



PLP-6EAB (optional)

#### Remote Controller



Optional



Optional



Optional



\* Enclosed in PLP-6EALM2/ PLP-6EALME2

### PLA-M EA2 Indoor Unit Combinations

Indoor unit combinations shown below are possible.

Indoor Unit Combination	Outdoor Unit Capacity																			
	For Single									For Twin						For Triple			For Quadruple	
	35	50	60	71	100	125	140	200	250	71	100	125	140	200	250	140	200	250	200	250
Standard Inverter (SUZ & PUZ-M)	35x1	50x1	60x1	71x1	100x1	125x1	140x1	-	-	50x2	60x2	71x2	100x2	125x2	50x3	60x3	71x3	50x4	60x4	
Distribution Pipe	-	-	-	-	-	-	-	-	-	MSDD-50TR2-E			MSDD-50WR2-E			MSDF-111R3-E			MSDF-111R2-E	



# PLA-ZM SERIES

## POWER INVERTER



Type		Inverter Heat Pump										
Indoor Unit		PLA-M35EA2	PLA-M50EA2	PLA-M60EA2	PLA-M71EA2	PLA-M100EA2	PLA-M100EA2	PLA-M125EA2	PLA-M125EA2	PLA-M140EA2	PLA-M140EA2	
Outdoor Unit		PUZ-M35VKA2	PUZ-M50VKA2	PUZ-M60VHA2	PUZ-M71VHA2	PUZ-M100VKA2	PUZ-M100VKA2	PUZ-M125VKA2	PUZ-M125VKA2	PUZ-M140VKA2	PUZ-M140VKA2	
Refrigerant (*)		R32										
Power Supply		Outdoor power supply										
Source		VKA-VHA:230/Single/50, YKA:400/Three/50										
Outdoor(V/Phase/Hz)												
Cooling	Capacity	Rated	3.6	5.0	6.1	7.1	9.5	9.5	12.5	12.5	13.4	13.4
		Min-Max	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	0.705	1.106	1.452	1.651	2.159	2.159	3.378	3.378	3.722	3.722
	EER		5.10	4.52	4.20	4.30	4.40	4.40	3.70	3.70	3.60	3.60
	Design load		3.6	5.0	6.1	7.1	9.5	9.5	12.5	12.5	13.4	13.4
Heating	Capacity	Rated	4.1	6.0	7.0	8.0	11.2	11.2	14.0	14.0	16.0	16.0
		Min-Max	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	0.820	1.363	1.707	1.818	2.604	2.604	3.674	3.674	4.312	4.312
	COP		5.00	4.40	4.10	4.40	4.30	4.30	3.81	3.81	3.71	3.71
	Design load		2.5	3.8	4.4	4.7	7.8	7.8	11.2	11.2	13.4	13.4

\*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 560. This means that if 1 kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 560 times higher than 1 kg of CO<sub>2</sub> over a period of 100 years. Never try to interfere with the refrigerant circuit yourself or disassemble the product yourself and always ask a professional. The GWP of R32 is 675 in the IPCC 4th Assessment Report.

\*2 Energy consumption based on standard test results. Actual energy consumption will depend on how the appliance is used and where it is located.

\*3 Optional air protection guide is required where ambient temperature is lower than -5°C.

\*4 SEER and SCOP are based on 2009/125/EC:Energy-related Products Directive and Regulation(EU) No206/2012. \*5 Joint pipe is required depending on installed refrigerant pipes, outdoor units and indoor units.

# PLA-M SERIES

## STANDARD INVERTER



Type		Inverter Heat Pump										
Indoor Unit		PLA-M35EA2	PLA-M50EA2	PLA-M60EA2	PLA-M71EA2	PLA-M100EA2	PLA-M100EA2	PLA-M125EA2	PLA-M125EA2	PLA-M140EA2	PLA-M140EA2	
Outdoor Unit		SUZ-M35VA	SUZ-M50VA	SUZ-M60VA	SUZ-M71VA	SUZ-M100VKA2	SUZ-M100VKA2	PUZ-M125VKA2	PUZ-M125VKA2	PUZ-M140VKA2	PUZ-M140VKA2	
Refrigerant (*)		R32										
Power Supply		Outdoor power supply										
Source		VA-VKA:230/Single/50, YKA:400/Three/50										
Outdoor(V/Phase/Hz)												
Cooling	Capacity	Rated	3.6	5.5	6.1	7.1	9.5	9.5	12.1	12.1	13.4	13.4
		Min-Max	0.8 - 3.9	1.2 - 5.6	1.6 - 6.3	2.2 - 8.1	4.0 - 10.6	4.0 - 10.6	5.8 - 13.0	5.8 - 13.0	5.8 - 14.1	5.8 - 14.1
	Total Input	Rated	0.900	1.617	1.848	1.918	2.714	2.714	4.019	4.019	4.962	4.962
	EER		4.00	3.40	3.30	3.70	3.50	3.50	3.01	3.01	2.70	2.70
	Design load		3.6	5.5	6.1	7.1	9.5	9.5	12.1	12.1	13.4	13.4
Heating	Capacity	Rated	4.1	6.0	7.0	8.0	11.2	11.2	13.5	13.5	15.0	15.0
		Min-Max	1.0 - 5.0	1.5 - 7.2	1.6 - 8.0	2.0 - 10.2	2.8 - 12.5	2.8 - 12.5	4.1 - 15.0	4.1 - 15.0	4.2 - 15.8	4.2 - 15.8
	Total Input	Rated	0.976	1.734	1.842	2.216	3.018	3.018	3.638	3.638	4.398	4.398
	COP		4.20	3.46	3.80	3.61	3.71	3.71	3.71	3.71	3.41	3.41
	Design load		2.6	4.3	4.6	5.8	8.0	8.0	11.2	11.2	13.4	13.4

\*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 560. This means that if 1 kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 560 times higher than 1 kg of CO<sub>2</sub> over a period of 100 years. Never try to interfere with the refrigerant circuit yourself or disassemble the product yourself and always ask a professional. The GWP of R32 is 675 in the IPCC 4th Assessment Report.

\*2 Energy consumption based on standard test results. Actual energy consumption will depend on how the appliance is used and where it is located.

\*3 Optional air protection guide is required where ambient temperature is lower than -5°C.

\*4 SEER and SCOP are based on 2009/125/EC:Energy-related Products Directive and Regulation(EU) No206/2012. \*5 Joint pipe is required depending on installed refrigerant pipes, outdoor units and indoor units.

# PLA-M SERIES

## POWER INVERTER



Type			Inverter Heat Pump										
Indoor Unit			PLA-M35EA2	PLA-M50EA2	PLA-M60EA2	PLA-M71EA2	PLA-M100EA2	PLA-M100EA2	PLA-M125EA2	PLA-M125EA2	PLA-M140EA2	PLA-M140EA2	
Outdoor Unit			PUZ-ZM35VKA2	PUZ-ZM50VKA2	PUZ-ZM60VHA2	PUZ-ZM71VHA2	PUZ-ZM100VKA2	PUZ-ZM100VKA2	PUZ-ZM125VKA2	PUZ-ZM125VKA2	PUZ-ZM140VKA2	PUZ-ZM140VKA2	
Refrigerant <sup>(1)</sup>			R32										
Power Supply			Outdoor power supply										
Source			VKA · VHA:230/Single/50, YKA:400/Three/50										
Outdoor(V/Phase/Hz)													
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	0.751	1.175	1.523	1.716	2.209	2.209	3.396	3.396	3.746	3.746
	EER			4.79	4.25	4.00	4.14	4.30	4.30	3.68	3.68	3.58	3.58
	Design load		kW	3.6	5.0	6.1	7.1	9.5	9.5	—	—	—	—
	Annual electricity consumption <sup>(2)</sup>		kWh/a	172	234	301	336	437	448	—	—	—	—
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	0.890	1.581	1.863	2.014	2.685	2.685	3.773	3.773	4.365	4.365
	COP			4.61	3.79	3.76	3.97	4.17	4.17	3.71	3.71	3.67	3.67
	Design load		kW	2.5	3.8	4.4	4.7	7.8	7.8	—	—	—	—
	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)	—	—	—	—
		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)	—	—	—	—
		at operation limit temperature	kW	2.1 (-11°C)	3.7 (-11°C)	2.8 (-20°C)	3.4 (-20°C)	5.8 (-20°C)	5.8 (-20°C)	—	—	—	—
	Back up heating capacity		kW	0.0	0.0	0.0	0.0	0.0	0.0	—	—	—	—
	Annual electricity consumption <sup>(2)</sup>		kWh/a	798	1187	1422	1429	2496	2497	—	—	—	—
SCOP <sup>(4)</sup>			4.3	4.4	4.3	4.6	4.3	4.3	—	—	—	—	
Operating	Current(Max)		A	13.2	13.2	19.2	19.3	20.5	8.5	27.2	9.7	30.7	12.5
		Input [cooling / Heating]	Rated	kW	0.03 / 0.03	0.03 / 0.03	0.03 / 0.03	0.04 / 0.04	0.07 / 0.07	0.07 / 0.07	0.10 / 0.10	0.10 / 0.10	0.10 / 0.10
Indoor Unit	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	H*W*D	mm		258-840-840	<40-950-950>				298-840-840	<40-950-950>	
	Weight		kg	19 <6>	19 <6>	21 <6>	21 <6>	24 <6>	24 <6>	26 <6>	26 <6>	26 <6>	26 <6>
	Air Volume (Lo-Mid-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 (Lo-Mid-Hi) (SPL)		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	630-809-300	630-809-300	943-950-330(+25)	943-950-330(+25)	1338-1050-330(+40)	1338-1050-330(+40)	1338-1050-330(+40)	1338-1050-330(+40)	1338-1050-330(+40)	1338-1050-330(+40)
		Weight	kg	46	46	67	67	105	111	105	114	105	118
	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	49	49	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	13	19	19	20	8	26.5	9	30	11.8
Breaker Size		A	16	16	25	25	32	16	32	16	40	16	
Ext.Piping	Diameter <sup>(3)</sup>	Liquid/Gas	mm	6.35 / 12.7	6.35 / 12.7	9.52 / 15.88	9.52 / 15.88	9.52 / 15.88	9.52 / 15.88	9.52 / 15.88	9.52 / 15.88	9.52 / 15.88	
	Max.Length	Out-In	m	50	50	55	55	100	100	100	100	100	
	Max.Height	Out-In	m	30	30	30	30	30	30	30	30	30	
Guaranteed Operating Range (Outdoor)	Cooling <sup>(3)</sup>	°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 550. This means that if 1 kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 550 times higher than 1 kg of CO<sub>2</sub>, over a period of 100 years. Never try to interfere with the refrigerant circuit yourself or disassemble the product yourself and always ask a professional. The GWP of R32 is 675 in the IPCC 4th Assessment Report.

\*2 Energy consumption based on standard test results. Actual energy consumption will depend on how the appliance is used and where it is located.

\*3 Optional air protection guide is required where ambient temperature is lower than -5°C.

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

\*5 Joint pipe is required depending on installed refrigerant pipes, outdoor units and indoor units.

# PEAD SERIES

R32  
R410A



PEAD-M35/50/60/71/100/125/140JA2

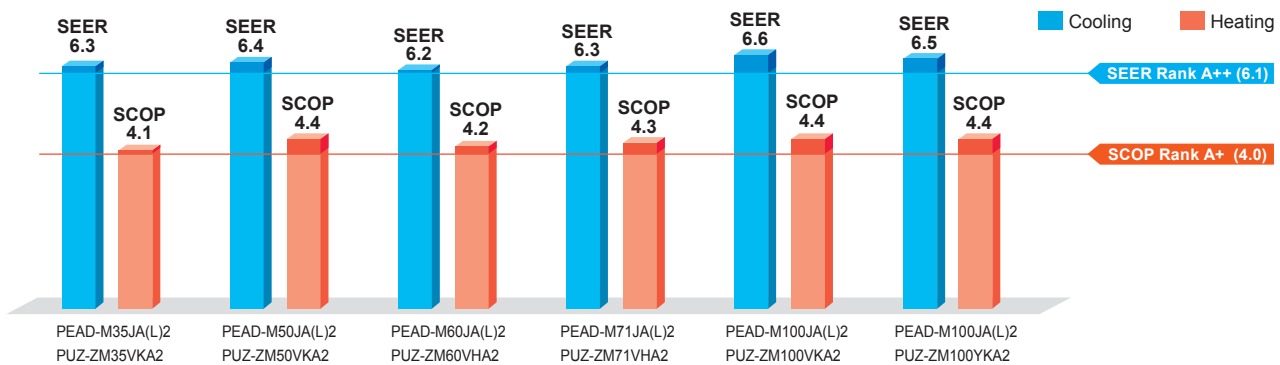


Energy efficiency has been improved. A reduced electricity consumption contributes to a further reduction in operating cost. The thin body with a wide-ranged external static pressure of this series is the perfect answer for the air conditioning needs of buildings with minimum ceiling installation space.

## ErP Lot-10 compliant, Achieving High Energy Efficiency



The shape of fan wing and casing is improved to provide more smooth air flow, increasing the operation efficiency. All models under 12kW(M35~M100) are complied with ErP Lot 10 and energy rankings of A++ for cooling and A+ for heating. This contributes to a reduction in the cost of annual electricity.



## Compact Indoor Units

The height of the models from 35-140 has been unified to 250 mm, which makes installation in low ceiling with minimal clearance space possible.

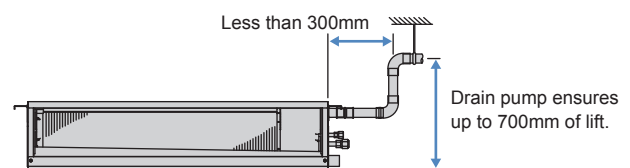
## Selectable Static Pressure Levels

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

## Drain Pump is Optionally Selectable

The line-up consists of two types: models with or without a built-in drain pump, thus allowing more freedom in piping design.

- PEAD-M JA2 ▶ Built-in drain pump
- PEAD-M JAL2 ▶ No drain pump



## Connectable to Plasma Quad Connect

The optional Plasma Quad Connect MAC-100FT-E can be installed on the indoor unit's air inlet side. For installation, PQ attachment or PQ box is required.

## SERIES SELECTION

### Power Inverter Series



#### Indoor Unit

**R32**  
**R410A**



PEAD-M35/50/60/71/100/125/140JA(L)2

#### Outdoor Unit

**R32**

For Single



PUZ-ZM35/50      PUZ-ZM60/71      PUZ-ZM100/125/140

**R32**

For Multi  
(Twin/Triple/Quadruple)



PUZ-ZM71      PUZ-ZM100/125/140/200/250

#### Remote Controller



Optional      Optional      Optional      Optional\*      Optional\*

\* PAR-SA9CA-E is also required.

### PEAD-M JA(L)2 Indoor Unit Combinations      Indoor unit combinations shown below are possible.

Indoor Unit Combination	Outdoor Unit Capacity																				
	For Single								For Twin					For Triple			For Quadruple				
	35	50	60	71	100	125	140	200	250	71	100	125	140	200	250	140	200	250	200	250	
Power Inverter (PUZ-ZM)	35x1	50x1	60x1	71x1	100x1	125x1	140x1	-	-	35x2	50x2	60x2	71x2	100x2	125x2	50x3	60x3	71x3	50x4	60x4	
Distribution Pipe	-	-	-	-	-	-	-	-	-	MSDD-50TR2-E					MSDD-50WR2-E		MSDT-111R3-E			MSDF-1111R2-E	

## SERIES SELECTION

### Standard Inverter Series



#### Indoor Unit

**R32**  
**R410A**



PEAD-M35/50/60/71/100/125/140JA(L)2

#### Outdoor Unit

**R32**

For Single



SUZ-M35      SUZ-M50      SUZ-M60/71      PUZ-M100/125/140

**R32**

For Multi  
(Twin/Triple/Quadruple)



PUZ-M100/125/140      PUZ-M200/250

#### Remote Controller



Optional      Optional      Optional      Optional\*      Optional\*

\* PAR-SA9CA-E is also required.

### PEAD-M JA(L)2 Indoor Unit Combinations      Indoor unit combinations shown below are possible.

Indoor Unit Combination	Outdoor Unit Capacity																				
	For Single								For Twin					For Triple			For Quadruple				
	35	50	60	71	100	125	140	200	250	71	100	125	140	200	250	140	200	250	200	250	
Standard Inverter (PUZ-M&SUZ)	35x1	50x1	60x1	71x1	100x1	125x1	140x1	-	-	50x2	60x2	71x2	100x2	125x2	50x3	60x3	71x3	50x4	60x4		
Distribution Pipe	-	-	-	-	-	-	-	-	-	MSDD-50TR2-E					MSDD-50WR2-E		MSDT-111R3-E			MSDF-1111R2-E	



# PEA SERIES

The PEA series is a large capacity ceiling-concealed type indoor units which are visually discreet blending into various environments. The PEA model realizes improved energy efficiency with a patented fan called Turbo In Sirocco fan. A wider option of external static pressure up to 250Pa allows authentic ducted air-conditioning with an elegant interior layout. In addition, the PEA series has a separated structure that enables delivery into a narrow space.



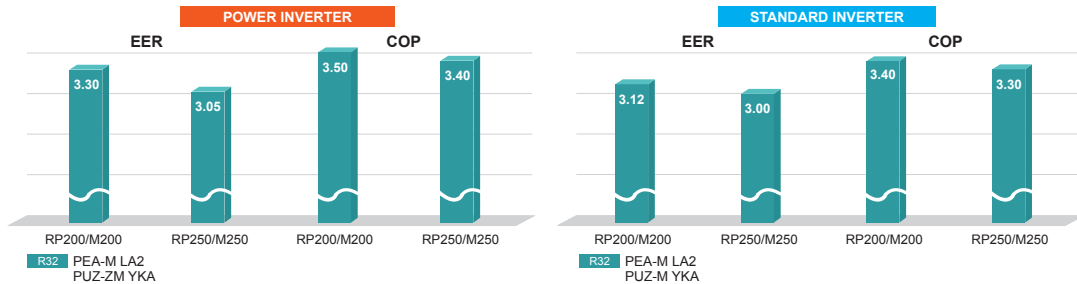
PEA-M200/250LA2



The separated structure increases the efficiency of delivery into a narrow space.

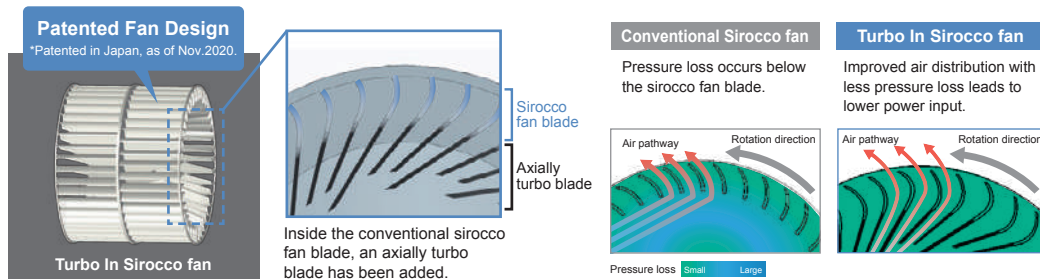
## Improved Energy Efficiency

R32 refrigerant with designed fan reduces energy consumption and have resulted in higher energy savings for all capacity ranges.



## Low input with Fan Design

The PEA series applies a designed fan; a Turbo In Sirocco fan which realizes high efficiency with a lower power input. The design is Mitsubishi Electric's patented technology with a combination of turbo fan inside the sirocco fan.



## Wide range of external static pressure allows flexible duct design

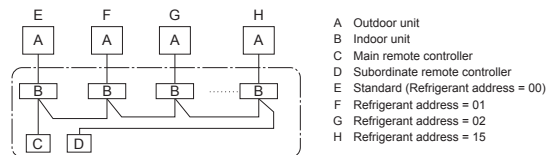
250Pa setting is newly added enabling total of five static pressure level. The ability to select additional static pressure enables long duct and more freedom in design.

PEA-M200/250LA2 75/<100>/<150>/<200>/<250> Pa

The factory setting of external static pressure is shown without brackets (<>). Refer to "Fan characteristics curves" according to the external static pressure, in the DATA BOOK for the usable range of airflow rate.

## PAR-41MAA Group Control

The PAR-41MAA remote controller can control up to 16 systems as a group, and is ideal for supporting the integrated management of building air conditioners.



LINE-UP		
<b>Indoor Unit</b>  PEA-M200/250LA2	<b>Outdoor Unit</b> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <b>Power Inverter Series</b>              PUHZ-ZRP200/250         </div> <div style="text-align: center;"> <b>Standard Inverter Series</b>              PUHZ-P200/250         </div> </div> <hr/> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <b>Power Inverter Series</b>              PUZ-ZM200/250         </div> <div style="text-align: center;"> <b>Standard Inverter Series</b>              PUZ-M200/250         </div> </div>	<b>Remote Controller</b> <div style="display: flex; justify-content: space-around;">  Optional           </div> <div style="display: flex; justify-content: space-around;">  Optional           </div> <div style="display: flex; justify-content: space-around;">  Optional           </div>

# PEA-M SERIES

## POWER INVERTER



Type				Inverter Heat Pump				
Indoor Unit				PEA-M200LA2		PEA-M250LA2		
Outdoor Unit				PUZ-ZM200YKA2		PUZ-ZM250YKA2		
Refrigerant <sup>(*)</sup>				R32				
Power Supply				Separate power supply 400/Three/50				
Cooling	Capacity	Rated	kW	19.0		22.0		
		Min-Max	kW	9.2 - 22.4		9.9 - 27.0		
	Total Input	Rated	kW	5.757		7.213		
	EER			3.30		3.05		
Heating	Capacity	Rated	kW	22.4		27.0		
		Min-Max	kW	7.1 - 25.0		7.3 - 31.0		
	Total Input	Rated	kW	6.400		7.941		
	COP			3.50		3.40		
Operating	Current(Max)		A	27.3		27.3		
Indoor Unit	Input (cooling / Heating )	Rated	kW	0.32		0.48		
	Operating Current(Max)		A	4.8		4.8		
	Dimensions	H x W x D	mm	470-1370-1120				
	Weight		kg	88				
	Air Volume (Lo-Mid-Hi)	Normal airflow mode		m³/min	42.0-51.0-60.0		50.0-61.0-72.0 (75Pa-200Pa)	
				m³/min	42.0-51.0-60.0 (250Pa)		42.0-51.0-60.0 (250Pa)	
	High airflow mode		m³/min	50.0-61.0-72.0 (75Pa-200Pa)		58.0-72.0-84.0 (75Pa-150Pa)		
			m³/min	42.0-51.0-60.0 (250Pa)		50.0-61.0-72.0 (200Pa)		
	External Static Pressure		Pa	75/(100)/(150)/(200)/(250)				
	Sound Level (Lo-Mi2-Mi1-Hi) (SPL)		dB(A)	34.5-39.0-43.0		37.5-42.0-46.0		
Sound Level (PWL)		dB(A)	63.0-64.0-64.0		67.0-67.0-68.0			
Outdoor Unit	Dimensions	H x W x D	mm	1338-1050-330(+40)				
	Weight		kg	138				
	Air Volume	Cooling	m³/min	140		140		
		Heating	m³/min	140		140		
	Sound Level (SPL)	Cooling	dB(A)	59		59		
		Heating	dB(A)	62		62		
	Sound Level (PWL)	Cooling	dB(A)	77		77		
		Heating	dB(A)	77		77		
	Operating Current(Max)		A	22.5		22.5		
	Breaker Size		A	32		32		
Ext.Piping	Diameter <sup>(**)</sup>	Liquid/Gas	mm	9.52 / 25.4		12.7 / 25.4		
	Max.Length	Out-In	m	100		100		
	Max.Height	Out-In	m	30		30		
Guaranteed Operating Range (Outdoor)	Cooling <sup>(**)</sup>	°C	-15 - 46		-15 - 46			
	Heating	°C	-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<sub>2</sub> over a period of 100 years. Never try to interfere with the refrigerant circuit yourself or disassemble the product yourself and always ask a professional.  
 \*\*2 Optional air protection guide is required where ambient temperature is lower than -5°C.  
 \*\*3 Joint pipe is required depending on installed refrigerant pipes, outdoor units and indoor units.

# PEA-M SERIES

## STANDARD INVERTER



Type				Inverter Heat Pump				
Indoor Unit				PEA-M200LA2		PEA-M250LA2		
Outdoor Unit				PUZ-M200YKA2		PUZ-M250YKA2		
Refrigerant <sup>(*)</sup>				R32				
Power Supply				Separate power supply 400/Three/50				
Cooling	Capacity	Rated	kW	19.0		22.0		
		Min-Max	kW	9.2 - 22.4		9.9 - 27.0		
	Total Input	Rated	kW	6.089		7.333		
	EER			3.12		3.00		
Heating	Capacity	Rated	kW	22.4		27.0		
		Min-Max	kW	6.8 - 25.0		7.3 - 31.0		
	Total Input	Rated	kW	6.588		8.181		
	COP			3.40		3.30		
Operating	Current(Max)		A	27.3		27.3		
Indoor Unit	Input (cooling / Heating )	Rated	kW	0.32		0.48		
	Operating Current(Max)		A	4.8		4.8		
	Dimensions	H x W x D	mm	470-1370-1120				
	Weight		kg	88				
	Air Volume (Lo-Mid-Hi)	Normal airflow mode		m³/min	42.0-51.0-60.0		50.0-61.0-72.0 (75Pa-200Pa)	
				m³/min	42.0-51.0-60.0 (250Pa)		42.0-51.0-60.0 (250Pa)	
	High airflow mode		m³/min	50.0-61.0-72.0 (75Pa-200Pa)		58.0-72.0-84.0 (75Pa-150Pa)		
			m³/min	42.0-51.0-60.0 (250Pa)		50.0-61.0-72.0 (200Pa)		
	External Static Pressure		Pa	75/(100)/(150)/(200)/(250)				
	Sound Level (Lo-Mi2-Mi1-Hi) (SPL)		dB(A)	34.5-39.0-43.0		37.5-42.0-46.0		
Sound Level (PWL)		dB(A)	63.0-64.0-64.0		67.0-67.0-68.0			
Outdoor Unit	Dimensions	H x W x D	mm	1338-1050-330(+40)				
	Weight		kg	138				
	Air Volume	Cooling	m³/min	140		140		
		Heating	m³/min	140		140		
	Sound Level (SPL)	Cooling	dB(A)	58		59		
		Heating	dB(A)	60		62		
	Sound Level (PWL)	Cooling	dB(A)	78		77		
		Heating	dB(A)	77		77		
	Operating Current(Max)		A	22.5		22.5		
	Breaker Size		A	32		32		
Ext.Piping	Diameter <sup>(**)</sup>	Liquid/Gas	mm	9.52 / 25.4		12.7 / 25.4		
	Max.Length	Out-In	m	70		70		
	Max.Height	Out-In	m	30		30		
Guaranteed Operating Range (Outdoor)	Cooling <sup>(**)</sup>	°C	-15 - 46		-15 - 46			
	Heating	°C	-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<sub>2</sub> over a period of 100 years. Never try to interfere with the refrigerant circuit yourself or disassemble the product yourself and always ask a professional.  
 \*\*2 Optional air protection guide is required where ambient temperature is lower than -5°C.  
 \*\*3 Joint pipe is required depending on installed refrigerant pipes, outdoor units and indoor units.

# PKA SERIES

PKA-M35/50LA(L)2

R32  
R410A



PKA-M60/71/100KA(L)2

R32  
R410A



The compact, wall-mounted indoor units offer the convenience of simple installation, and a large product line-up (M35-M100 models) ensures a best-match solution. Designed for highly efficient energy savings, the PKA Series is the answer to your air conditioning needs.

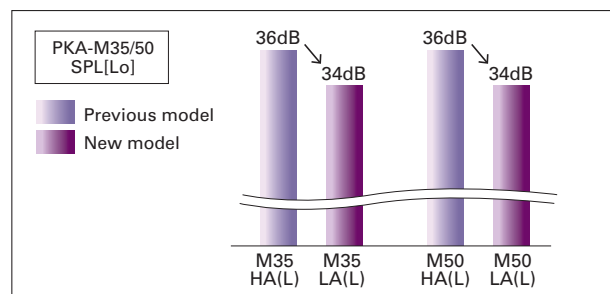
## New Design (M35-50)

A sharp and simple form that combines beauty and function. The simple square design harmonizes beautifully with the straight lines created by the intersection of the walls, floor and ceiling of the space, leading to a better quality of space. Also adopted a new white body color. It will make your life and space beautiful and comfortable without disturbing the atmosphere of the room. In addition, we realized miniaturization of conventional model. It contributes to space saving of installation area and giving room to room space.



## Quietness (M35-50)

The noise level has been significantly reduced compared to the conventional model by reviewing the unit structure and improving the line flow fan.



## New Wireless Remote Controller Included

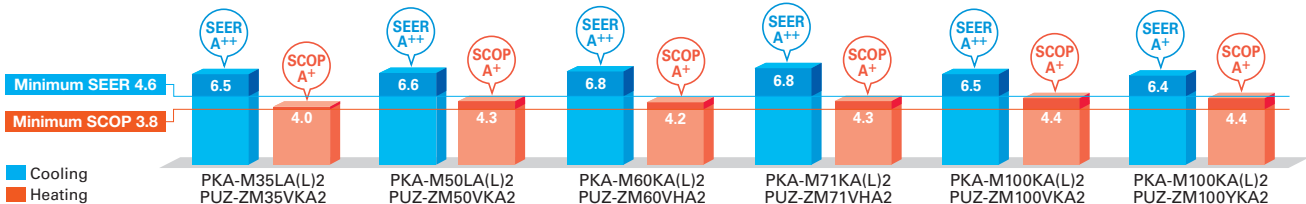
The PKA-KAL2 series wireless remote controller has been updated. It now comes with a new stylish remote controller that fits comfortably in your hand and has a wide range of useful functions.



- Main Functions of new Wireless Remote Controller**
- Weekly Timer
  - Backlight
  - Dual set point
  - Battery replacement sign etc...

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

Highly efficient indoor unit heat exchangers and newly designed power inverters (PUHZ-ZM) 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.

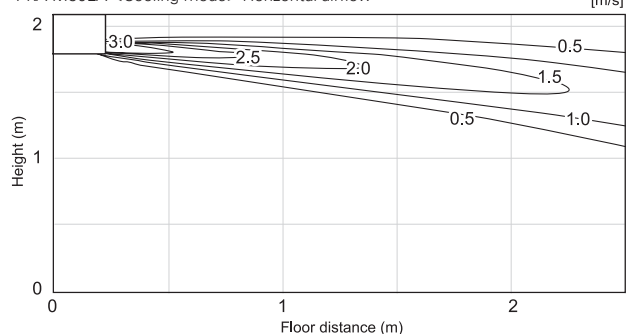


## Airflow Control – Horizontal Airflow – (M35-50)

Significantly improved airflow control to achieve horizontal airflow. This reduces the feeling of draft even on a wall-mounted model, and air conditioning the indoor space firmly.

## Airflow distributions

PKA-M50LA <Cooling mode> Horizontal airflow





## SERIES SELECTION

### Power Inverter Series



#### Indoor Unit

**R32**  
**R410A**



PKA-M35/50LA(L)2



PKA-M60/71/100KA(L)2

#### Outdoor Unit

**R32**

For Single



PUZ-ZM35/50



PUZ-ZM60/71



PUZ-ZM100/125/140

**R32**

For Multi  
(Twin/Triple/Quadruple)



PUZ-ZM71



PUZ-ZM100/125/140/200/250

#### Remote Controller



Optional (\*)



Optional



Optional (\*)



\*PKA-M•KAL2/LAL2 only

(\*) PAC-SH29TC-E is required for LAL and KAL (optional)

**PKA-M LA(L)2/KA(L)2 Indoor Unit Combinations** Indoor unit combinations shown below are possible.

Indoor Unit Combination	Outdoor Unit Capacity																			
	For Single								For Twin					For Triple			For Quadruple			
	35	50	60	71	100	125	140	200	250	71	100	125	140	200	250	140	200	250	200	250
Power Inverter (PUZ-ZM)	35x1	50x1	60x1	71x1	100x1	-	-	-	-	35x2	50x2	60x2	71x2	100x2	-	50x3	60x3	71x3	50x4	60x4
Distribution Pipe	-	-	-	-	-	-	-	-	-	MSDD-50TR2-E			MSDD-50WR2-E		MSDT-111R3-E			MSDF-1111R2-E		

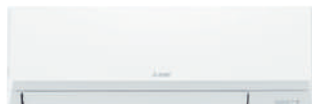
## SERIES SELECTION

### Standard Inverter Series



#### Indoor Unit

**R32**  
**R410A**



PKA-M35/50LA(L)2

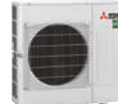


PKA-M60/71/100KA(L)2

#### Outdoor Unit

**R32**

For Single



PUZ-M100

**R32**

For Multi  
(Twin/Triple/Quadruple)



PUZ-M100/125/140



PUZ-M200/250

#### Remote Controller



Optional (\*)



Optional



Optional (\*)



\*PKA-M•KAL2/LAL2 only

(\*) PAC-SH29TC-E is required for LAL and KAL (optional)

**PKA-M LA(L)2/KA(L)2 Indoor Unit Combinations** Indoor unit combinations shown below are possible.

Indoor Unit Combination	Outdoor Unit Capacity																			
	For Single								For Twin					For Triple			For Quadruple			
	35	50	60	71	100	125	140	200	250	71	100	125	140	200	250	140	200	250	200	250
Standard Inverter (PUZ-M)	-	-	-	-	100x1	-	-	-	-	-	50x2	60x2	71x2	100x2	-	50x3	60x3	71x3	50x4	60x4
Distribution Pipe	-	-	-	-	-	-	-	-	-	MSDD-50TR2-E			MSDD-50WR2-E		MSDT-111R3-E			MSDF-1111R2-E		

# PKA-M SERIES

## POWER INVERTER



Type		Inverter Heat Pump								
Indoor Unit		PKA-M35LA(L)2	PKA-M50LA(L)2	PKA-M60KA(L)2	PKA-M71KA(L)2	PKA-M100KA(L)2	PKA-M100KA(L)2			
Outdoor Unit		PUZ-MZ35VKA2	PUZ-MZ50VKA2	PUZ-MZ60VHA2	PUZ-MZ71VHA2	PUZ-MZ100VKA2	PUZ-MZ100VKA2			
Refrigerant <sup>(1)</sup>		R32								
Power Supply		Outdoor power supply								
Cooling		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	0.857	1.239	1.560	1.863	2.435	2.435	
	EER			4.20	3.71	3.91	3.81	3.90	3.90	
	Design load		kW	3.6	4.6	6.1	7.1	9.5	9.5	
	Annual electricity consumption <sup>(2)</sup>		kWh/a	194	244	314	365	508	519	
	SEER <sup>(4)</sup>		6.5	6.6	6.8	6.8	6.5	6.4		
Heating		Energy efficiency class								
Heating	Capacity	Rated	kW	4.1	5.0	7.0	8.0	11.2	11.2	
		Min-Max	kW	1.6 - 5.2	2.5 - 7.0	2.8 - 8.2	3.5 - 10.2	4.5 - 14.0	4.5 - 14.0	
	Total Input	Rated	kW	1.040	1.344	1.732	2.116	3.102	3.102	
	COP			3.94	3.72	4.04	3.78	3.61	3.61	
	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)	3.4 (-20°C)	5.8 (-20°C)	5.8 (-20°C)
	Back up heating capacity		kW	0.0	0.0	0.0	0.0	0.0	0.0	
	Annual electricity consumption <sup>(2)</sup>		kWh/a	829	1074	1464	1530	2477	2478	
	SCOP <sup>(4)</sup>		4.0	4.3	4.2	4.3	4.4	4.4		
Operating Current(Max)		A		13.4	13.4	19.4	19.4	20.6	8.6	
Indoor Unit	Input [cooling / Heating]	Rated	kW	0.04 / 0.03	0.04 / 0.03	0.06 / 0.05	0.06 / 0.05	0.08 / 0.07	0.08 / 0.07	
	Operating Current(Max)		A	0.35	0.35	0.43	0.43	0.57	0.57	
	Dimensions	H*W*D	mm	299-898-237	299-898-237	365-1170-295	365-1170-295	365-1170-295	365-1170-295	
	Weight		kg	12.6	12.6	21	21	21	21	
	Air Volume (Lo-Mi2-Mi1-Hi)		m³/min	7.5-8.2-9.2-10.9	7.5-8.2-9.2-10.9	18-20-22	18-20-22	20-23-26	20-23-26	
	Sound Level (Lo-Mi2-Mi1-Hi) (SPL)		dB(A)	34-37-40-43	34-37-40-43	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*W*D	mm	630-809-300	630-809-300	943-950-330(+25)	943-950-330(+25)	1338-1050-330(+40)	1338-1050-330(+40)
		Weight		kg	46	46	67	67	105	111
		Air Volume	Cooling	m³/min	45	45	55	55	110	110
Heating			m³/min	45	45	55	55	110	110	
Sound Level (SPL)		Cooling	dB(A)	44	44	47	47	49	49	
		Heating	dB(A)	46	46	49	49	51	51	
Sound Level (PWL)	Cooling	dB(A)	65	65	67	67	69	69		
Operating Current(Max)		A	13	13	19	19	20	8		
Breaker Size		A	16	16	25	25	32	16		
Ext.Piping	Diameter <sup>(3)</sup>	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	55	55	100	100	
	Max.Height	Out-In	m	30	30	30	30	30	30	
Guaranteed Operating Range (Outdoor)	Cooling <sup>(3)</sup>	°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 550. This means that if 1 kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 550 times higher than 1 kg of CO<sub>2</sub> over a period of 100 years. Never try to interfere with the refrigerant circuit yourself or disassemble the product yourself and always ask a professional. The GWP of R32 is 675 in the IPCC 4th Assessment Report.  
 \*2 Energy consumption based on standard test results. Actual energy consumption will depend on how the appliance is used and where it is located.  
 \*3 Optional air protection guide is required where ambient temperature is lower than -5°C. \*4 SEER and SCOP are based on 2009/125/EC:Energy-related Products Directive and Regulation(EU) No206/2012.  
 \*5 Joint pipe is required depending on installed refrigerant pipes, outdoor units and indoor units.

# PKA-M SERIES

## STANDARD INVERTER



Type		Inverter Heat Pump							
Indoor Unit		PKA-M100KA(L)2							
Outdoor Unit		PUZ-M100VKA2					PUZ-M100YKA2		
Refrigerant <sup>(1)</sup>		R32							
Power Supply		Outdoor power supply							
Cooling		VKA·VHA:230/Single/50, YKA:400/Three/50							
Cooling	Capacity	Rated	kW	9.5			9.5		
		Min-Max	kW	4.0 - 10.6			4.0 - 10.6		
	Total Input	Rated	kW	2.941			2.941		
	EER			3.23			3.23		
	Design load		kW	9.5			9.5		
	Annual electricity consumption <sup>(2)</sup>		kWh/a	573			573		
	SEER <sup>(4)</sup>		5.8			5.8			
Heating		Energy efficiency class							
Heating	Capacity	Rated	kW	11.2			11.2		
		Min-Max	kW	2.8 - 12.5			2.8 - 12.5		
	Total Input	Rated	kW	3.284			3.284		
	COP			3.41			3.41		
	Design load		kW	8.0			8.0		
	Declared Capacity		at reference design temperature	kW	6.0 (-10°C)			6.0 (-10°C)	
			at bivalent temperature	kW	7.0 (-7°C)			7.0 (-7°C)	
			at operation limit temperature	kW	4.5 (-15°C)			4.5 (-15°C)	
	Back up heating capacity		kW	2.0			2.0		
	Annual electricity consumption <sup>(2)</sup>		kWh/a	2780			2780		
	SCOP <sup>(4)</sup>		4.0			4.0			
Operating Current(Max)		A		20.6			12.1		
Indoor Unit	Input [cooling / Heating]	Rated	kW	0.08 / 0.07			0.08 / 0.07		
	Operating Current(Max)		A	0.57			0.57		
	Dimensions	H*W*D	mm	365-1170-295			365-1170-295		
	Weight		kg	21			21		
	Air Volume (Lo-Mi2-Mi1-Hi)		m³/min	20-23-26			20-23-26		
	Sound Level (Lo-Mi2-Mi1-Hi) (SPL)		dB(A)	41-45-49			41-45-49		
	Sound Level (PWL)		dB(A)	65			65		
	Outdoor Unit	Dimensions	H*W*D	mm	981-1050-330 (+40)			981-1050-330(+40)	
		Weight		kg	76			78	
		Air Volume	Cooling	m³/min	79			79	
Heating			m³/min	79			79		
Sound Level (SPL)		Cooling	dB(A)	51			51		
		Heating	dB(A)	54			54		
Sound Level (PWL)	Cooling	dB(A)	70			70			
Operating Current(Max)		A	20.0			11.5			
Breaker Size		A	32			16			
Ext.Piping	Diameter <sup>(3)</sup>	Liquid/Gas	mm	9.52 / 15.88			9.52 / 15.88		
	Max.Length	Out-In	m	55			55		
	Max.Height	Out-In	m	30			30		
Guaranteed Operating Range (Outdoor)	Cooling <sup>(3)</sup>	°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 550. This means that if 1 kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 550 times higher than 1 kg of CO<sub>2</sub> over a period of 100 years. Never try to interfere with the refrigerant circuit yourself or disassemble the product yourself and always ask a professional. The GWP of R32 is 675 in the IPCC 4th Assessment Report.  
 \*2 Energy consumption based on standard test results. Actual energy consumption will depend on how the appliance is used and where it is located.  
 \*3 Optional air protection guide is required where ambient temperature is lower than -5°C. \*4 SEER and SCOP are based on 2009/125/EC:Energy-related Products Directive and Regulation(EU) No206/2012. \*5 Joint pipe is required depending on installed refrigerant pipes, outdoor units and indoor units.

# PCA-KA SERIES



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



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

## Stylish Indoor Unit Design

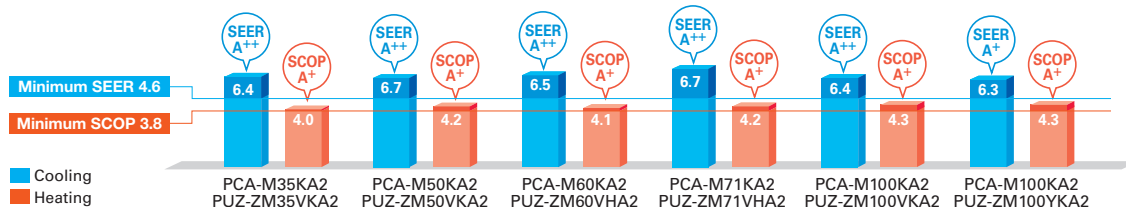
A stylish square-like design is adopted for the indoor units of all models. As a result, the units blend in better with the ceiling.



PCA-KA

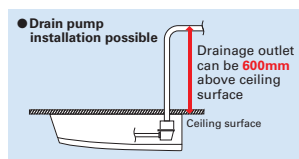
## ErP Lot 10 Compliant with High Energy-efficiency Achieving SEER/SCOP Rank A, A+ and A++

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



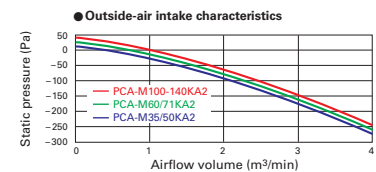
## Optional Drain Pump for Full-capacity Models

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



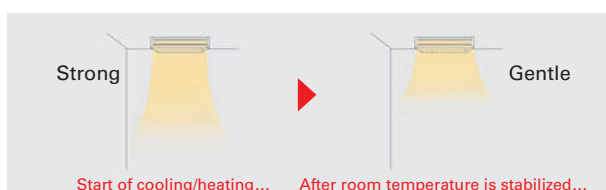
## Outside-air Intake

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



## Equipped with Automatic Air-speed Adjustment

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



## Equipped with High- /Low-ceiling Modes

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

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

## SERIES SELECTION

### Power Inverter Series



#### Indoor Unit

**R32**  
**R410A**



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

#### Outdoor Unit

**R32**

For Single



PUZ-ZM35/50



PUZ-ZM60/71



PUZ-ZM100/125/140

**R32**

For Multi  
(Twin/Triple/Quadruple)



PUZ-ZM71



PUZ-ZM100/125/140/200/250

#### Remote Controller



Optional



Optional



Optional



Optional



Optional\*

\* PAR-SA9CA is also required.

### PCA-M Indoor Unit Combinations Indoor unit combinations shown below are possible.

Indoor Unit Combination	Outdoor Unit Capacity																			
	For Single									For Twin						For Triple			For Quadruple	
	35	50	60	71	100	125	140	200	250	71	100	125	140	200	250	140	200	250	200	250
Power Inverter (PUZ-ZM)	35x1	50x1	60x1	71x1	100x1	125x1	140x1	-	-	35x2	50x2	60x2	71x2	100x2	125x2	50x3	60x3	71x3	50x4	60x4
Distribution Pipe	-	-	-	-	-	-	-	-	-	MSDD-50TR2-E			MSDD-50WR2-E			MSDT-111R3-E			MSDF-111R2-E	

## SERIES SELECTION

### Standard Inverter Series



#### Indoor Unit

**R32**  
**R410A**



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

#### Outdoor Unit

**R32**

For Single



SUZ-M35



SUZ-M50



SUZ-M60/71



PUZ-M100/125/140

**R32**

For Multi  
(Twin/Triple/Quadruple)



PUZ-M100/125/140



PUZ-M200/250

#### Remote Controller



Optional



Optional



Optional



Optional



Optional\*

\* PAR-SA9CA is also required.

### PCA-M Indoor Unit Combinations Indoor unit combinations shown below are possible.

Indoor Unit Combination	Outdoor Unit Capacity																			
	For Single									For Twin						For Triple			For Quadruple	
	35	50	60	71	100	125	140	200	250	71	100	125	140	200	250	140	200	250	200	250
Standard Inverter (PUZ-M&SUZ)	35x1	50x1	60x1	71x1	100x1	125x1	140x1	-	-	50x2	60x2	71x2	100x2	125x2	50x3	60x3	71x3	50x4	60x4	
Distribution Pipe	-	-	-	-	-	-	-	-	-	MSDD-50TR2-E			MSDD-50WR2-E			MSDT-111R3-E			MSDF-111R2-E	

# PCA-M KA SERIES

## POWER INVERTER



Type	Inverter Heat Pump														
Indoor Unit	PCA-M35KA2	PCA-M50KA2	PCA-M60KA2	PCA-M71KA2	PCA-M100KA2	PCA-M100KA2	PCA-M125KA2	PCA-M125KA2	PCA-M140KA2	PCA-M140KA2	PCA-M140KA2	PCA-M140KA2			
Outdoor Unit	PUZ-ZM35VKA2	PUZ-ZM50VKA2	PUZ-ZM60VHA2	PUZ-ZM71VHA2	PUZ-ZM100VKA2	PUZ-ZM100VKA2	PUZ-ZM125VKA2	PUZ-ZM125VKA2	PUZ-ZM140VKA2	PUZ-ZM140VKA2	PUZ-ZM140VKA2	PUZ-ZM140VKA2			
Refrigerant <sup>(1)</sup>	R32														
Power Supply	Outdoor power supply VKA-VHA:230/Single/50, YKA:400/Three/50														
Cooling	Capacity	Rated	kW												
	Min-Max		kW												
	Total Input	Rated	kW												
	EER														
	Design load		kW												
Heating	Capacity	Rated	kW												
	Min-Max		kW												
	Total Input	Rated	kW												
	EER														
	Design load		kW												
Cooling	Annual electricity consumption <sup>(2)</sup>		kWh/a												
	SEER <sup>(4)</sup>														
	Energy efficiency class														
	Heating	Annual electricity consumption <sup>(2)</sup>		kWh/a											
		SEER <sup>(4)</sup>													
		Energy efficiency class													
		Operating Current(Max)	A												
		Indoor Unit	Input [cooling / Heating]	Rated	kW										
			Operating Current(Max)	A											
			Dimensions	H*W*D	mm										
Weight			kg												
Air Volume (Lo-Mi2-Mi1-Hi)			m <sup>3</sup> /min												
Sound Level (Lo-Mi2-Mi1-Hi) (SPL)			dB(A)												
Sound Level (PWL)	dB(A)														
Outdoor Unit	Dimensions		H*W*D	mm											
	Weight		kg												
	Air Volume		Cooling	m <sup>3</sup> /min											
	Heating	m <sup>3</sup> /min													
	Sound Level (SPL)	Cooling	dB(A)												
	Heating	dB(A)													
	Sound Level (PWL)	Cooling	dB(A)												
	Heating	dB(A)													
	Operating Current(Max)	A													
	Breaker Size	A													
Ext.Piping	Diameter <sup>(3)</sup>	Liquid/Gas	mm												
	Max.Length	Out-In	m												
	Max.Height	Out-In	m												
Guaranteed Operating Range (Outdoor)	Cooling <sup>(3)</sup>	°C													
	Heating	°C													

\*1 Refrigerant leakage contributes to climate change. Refrigerant with lower global warming potential (GWP) would contribute less to global warming than a refrigerant with higher GWP, if leaked to the atmosphere. This appliance contains a refrigerant fluid with a GWP equal to 550. This means that if 1 kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 550 times higher than 1 kg of CO<sub>2</sub>, over a period of 100 years. Never try to interfere with the refrigerant circuit yourself or disassemble the product yourself and always ask a professional. The GWP of R32 is 675 in the IPCC 4th Assessment Report.  
\*2 Energy consumption based on standard test results. Actual energy consumption will depend on how the appliance is used and where it is located.  
\*3 Optional air protection guide is required where ambient temperature is lower than -5°C.  
\*4 SEER and SCOP are based on 2009/125/EC:Energy-related Products Directive and Regulation(EU) No206/2012.  
\*5 Joint pipe is required depending on installed refrigerant pipes, outdoor units and indoor units.

# PCA-M KA SERIES

## STANDARD INVERTER



Type	Inverter Heat Pump														
Indoor Unit	PCA-M35KA2	PCA-M50KA2	PCA-M60KA2	PCA-M71KA2	PCA-M100KA2	PCA-M100KA2	PCA-M125KA2	PCA-M125KA2	PCA-M140KA2	PCA-M140KA2	PCA-M140KA2	PCA-M140KA2			
Outdoor Unit	SUZ-M35VA	SUZ-M50VA	SUZ-M60VA	SUZ-M71VA	PUZ-M100VKA2	PUZ-M100VKA2	PUZ-M125VKA2	PUZ-M125VKA2	PUZ-M140VKA2	PUZ-M140VKA2	PUZ-M140VKA2	PUZ-M140VKA2			
Refrigerant <sup>(1)</sup>	R32														
Power Supply	Outdoor power supply VA-VKA:230/Single/50, YKA:400/Three/50														
Cooling	Capacity	Rated	kW												
	Min-Max		kW												
	Total Input	Rated	kW												
	EER														
	Design load		kW												
Heating	Capacity	Rated	kW												
	Min-Max		kW												
	Total Input	Rated	kW												
	EER														
	Design load		kW												
Cooling	Annual electricity consumption <sup>(2)</sup>		kWh/a												
	SEER <sup>(4)</sup>														
	Energy efficiency class														
	Heating	Annual electricity consumption <sup>(2)</sup>		kWh/a											
		SEER <sup>(4)</sup>													
		Energy efficiency class													
		Operating Current(Max)	A												
		Indoor Unit	Input [cooling / Heating]	Rated	kW										
			Operating Current(Max)	A											
			Dimensions	H*W*D	mm										
Weight			kg												
Air Volume (Lo-Mi2-Mi1-Hi)			m <sup>3</sup> /min												
Sound Level (Lo-Mi2-Mi1-Hi) (SPL)			dB(A)												
Sound Level (PWL)	dB(A)														
Outdoor Unit	Dimensions		H*W*D	mm											
	Weight		kg												
	Air Volume		Cooling	m <sup>3</sup> /min											
	Heating	m <sup>3</sup> /min													
	Sound Level (SPL)	Cooling	dB(A)												
	Heating	dB(A)													
	Sound Level (PWL)	Cooling	dB(A)												
	Heating	dB(A)													
	Operating Current(Max)	A													
	Breaker Size	A													
Ext.Piping	Diameter <sup>(3)</sup>	Liquid/Gas	mm												
	Max.Length	Out-In	m												
	Max.Height	Out-In	m												
Guaranteed Operating Range (Outdoor)	Cooling <sup>(3)</sup>	°C													
	Heating	°C													

\*1 Refrigerant leakage contributes to climate change. Refrigerant with lower global warming potential (GWP) would contribute less to global warming than a refrigerant with higher GWP, if leaked to the atmosphere. This appliance contains a refrigerant fluid with a GWP equal to 550. This means that if 1 kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 550 times higher than 1 kg of CO<sub>2</sub>, over a period of 100 years. Never try to interfere with the refrigerant circuit yourself or disassemble the product yourself and always ask a professional. The GWP of R32 is 675 in the IPCC 4th Assessment Report.  
\*2 Energy consumption based on standard test results. Actual energy consumption will depend on how the appliance is used and where it is located.  
\*3 Optional air protection guide is required where ambient temperature is lower than -5°C.  
\*4 SEER and SCOP are based on 2009/125/EC:Energy-related Products Directive and Regulation(EU) No206/2012.  
\*5 Joint pipe is required depending on installed refrigerant pipes, outdoor units and indoor units.

R32  
R410A

# PCA-HA SERIES

PCA-M71HA2



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

## Tough on Oily Smoke

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

## High-performance Oil Mist Filter

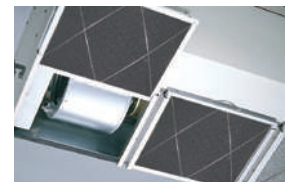
A high-performance heavy-duty oil mist filter is included as standard equipment. The filtering system is more efficient than conventional filters, thereby effectively reducing the oily smoke entering the air conditioner. The filter is disposable, thereby enabling trouble-free cleaning and maintenance.

### Oil Mist Filter Cleaning

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



Oil mist filter



Pull the handle to easily slide the filter out

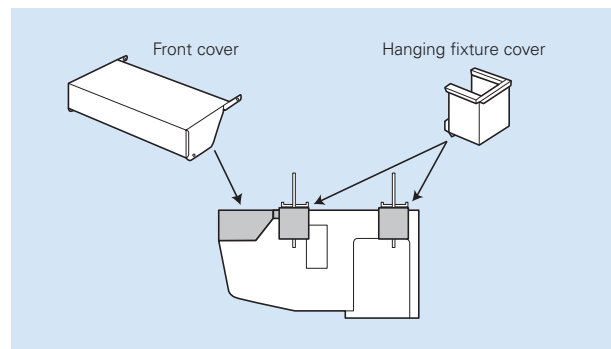
## Easy Maintenance – Even for Cleaning the Fan

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



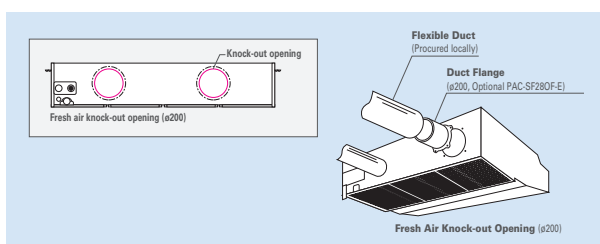
## Cosmetic Front and Hanging Fixture Covers (Option)

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



## Fresh Outside-air Intake (Option)

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



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

## SERIES SELECTION

### Power Inverter Series



#### Indoor Unit

**R32**  
**R410A**



PCA-M71HA2

#### Outdoor Unit

**R32**

For Single



PUZ-ZM71

**R32**

For Multi  
(Twin/Triple)



PUZ-ZM140/250

#### Remote Controller



Optional



Optional



Optional



Optional\*

\* PAR-SA9CA is also required.

**PCA-M HA Indoor Unit Combinations** Indoor unit combinations shown below are possible.

Indoor Unit Combination	Outdoor Unit Capacity																				
	For Single									For Twin					For Triple			For Quadruple			
	35	50	60	71	100	125	140	200	250	71	100	125	140	200	250	140	200	250	200	250	
Power Inverter (PUZ-ZM)	-	-	-	71x1	-	-	-	-	-	-	-	-	71x2	-	-	-	-	-	71x3	-	-
Distribution Pipe	-	-	-	-	-	-	-	-	-	-	-	-	MSDD-50TR2-E	-	-	-	-	-	MSDT-111R3-E	-	-

## SERIES SELECTION

### Power Inverter Series



#### Indoor Unit

**R32**  
**R410A**



PCA-M71HA2

#### Outdoor Unit

For Single



PUHZ-ZRP71

For Multi  
(Twin/Triple)



PUHZ-ZRP140/250

#### Remote Controller



Optional



Optional



Optional



Optional\*

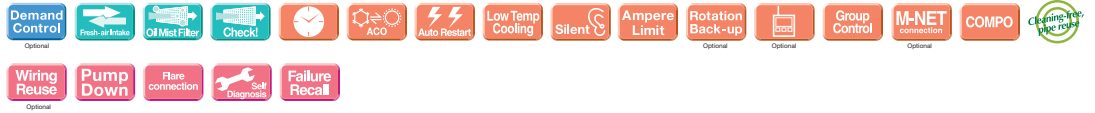
\* PAR-SA9CA is also required.

**PCA-M HA Indoor Unit Combinations** Indoor unit combinations shown below are possible.

Indoor Unit Combination	Outdoor Unit Capacity																				
	For Single									For Twin					For Triple			For Quadruple			
	35	50	60	71	100	125	140	200	250	71	100	125	140	200	250	140	200	250	200	250	
Power Inverter (PUHZ-ZRP)	-	-	-	71x1	-	-	-	-	-	-	-	-	71x2	-	-	-	-	-	71x3	-	-
Distribution Pipe	-	-	-	-	-	-	-	-	-	-	-	-	MSDD-50TR-E	-	-	-	-	-	MSDT-111R-E	-	-

# PCA-M HA SERIES

## POWER INVERTER



Type		Inverter Heat Pump		
Indoor Unit		PCA-M71HA2		
Outdoor Unit		PUZ-ZM71VHA2		
Refrigerant <sup>(*)</sup>		R32		
<b>Power Supply</b>	<b>Source</b>	Outdoor power supply		
<b>Outdoor(V/Phase/Hz)</b>		230/Single/50		
<b>Cooling</b>	<b>Capacity</b>	Rated	kW	
		Min-Max	7.1	
	<b>Total Input</b>	Rated	kW	
			3.3 - 8.1	
	<b>EER</b>			
			2.028	
<b>Heating</b>	<b>Design load</b>		kW	
			7.1	
	<b>Annual electricity consumption<sup>(**)</sup></b>		kWh/a	
			443	
	<b>SEER<sup>(**)</sup></b>			
			5.6	
	<b>Energy efficiency class</b>			A+
	<b>Capacity</b>	Rated	kW	
		Min-Max	kW	
			7.6	
<b>Total Input</b>	Rated	kW		
		3.5 - 10.2		
<b>COP</b>				
		2.171		
<b>Design load</b>		kW		
		3.50		
<b>Declared Capacity</b>	at reference design temperature	kW		
		4.7 (-10°C)		
	at bivalent temperature	kW		
		4.7 (-10°C)		
	at operation limit temperature	kW		
		3.4 (-20°C)		
<b>Back up heating capacity</b>		kW		
		0.0		
<b>Annual electricity consumption<sup>(**)</sup></b>		kWh/a		
		1684		
<b>SCOP<sup>(**)</sup></b>				
		3.9		
<b>Energy efficiency class</b>			A	
<b>Operating Current(Max)</b>		A		
		19.4		
<b>Indoor Unit</b>	<b>Input [cooling / Heating ]</b>	Rated	kW	
			0.10 / 0.10	
	<b>Operating Current(Max)</b>		A	
			0.43	
	<b>Dimensions</b>	H*W*D	mm	
			280-1136-650	
	<b>Weight</b>		kg	
		42		
<b>Air Volume (Lo-Mi2-Mi1-Hi)</b>		m <sup>3</sup> /min		
		16-18		
<b>Sound Level (Lo-Mi2-Mi1-Hi) (SPL)</b>		dB(A)		
		37-39		
<b>Sound Level (PWL)</b>		dB(A)		
		57		
<b>Outdoor Unit</b>	<b>Dimensions</b>	H*W*D	mm	
			943-950-330(+25)	
	<b>Weight</b>		kg	
			67	
	<b>Air Volume</b>	Cooling	m <sup>3</sup> /min	
			55	
		Heating	m <sup>3</sup> /min	
			55	
	<b>Sound Level (SPL)</b>	Cooling	dB(A)	
			47	
	Heating	dB(A)		
		49		
<b>Sound Level (PWL)</b>	Cooling	dB(A)		
		67		
<b>Operating Current(Max)</b>		A		
		19		
<b>Breaker Size</b>		A		
		25		
<b>Ext.Piping</b>	<b>Diameter<sup>(**)</sup></b>	Liquid/Gas	mm	
			9.52 / 15.88	
	<b>Max.Length</b>	Out-In	m	
		55		
<b>Max.Height</b>	Out-In	m		
		30		
<b>Guaranteed Operating Range (Outdoor)</b>	Cooling <sup>(**)</sup>	°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<sub>2</sub> over a period of 100 years. Never try to interfere with the refrigerant circuit yourself or disassemble the product yourself and always ask a professional. The GWP of R410A is 2088 in the IPCC 4th Assessment Report.

\*2 Energy consumption based on standard test results. Actual energy consumption will depend on how the appliance is used and where it is located.

\*3 Optional air protection guide is required where ambient temperature is lower than -5°C.

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

\*5 Joint pipe is required depending on installed refrigerant pipes, outdoor units and indoor units.



# PSA SERIES

R32  
R410A

PSA-M71/100/125/140KA



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.

## A slim design that fits neatly into any space

With a width of only 600mm, this slim unit can fit neatly into narrow spaces.



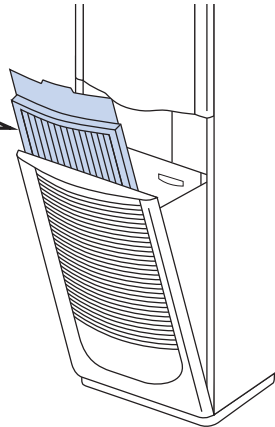
## Built-in MA smart remote controller

The large and easy-to-read LCD makes it easy to perform a variety of functions.



## Equipped with a long-life filter as standard

The adoption of a grille that can be opened allows the filter to be easily removed.



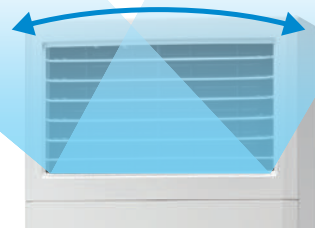
## A wide airflow range with horizontal swinging

The horizontal swinging function can be turned on or off via the remote controller to deliver comfort over a wider area.

Automatic swinging in the horizontal direction

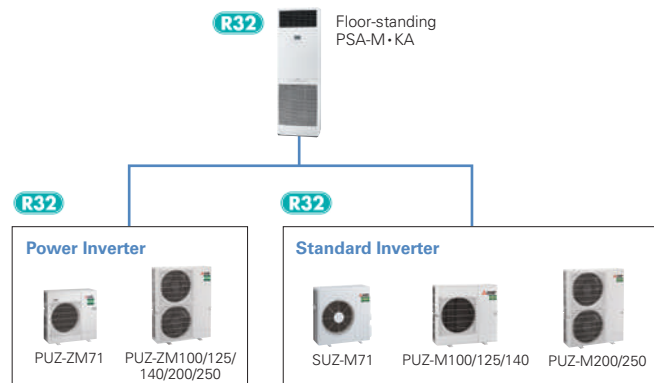
The horizontal-swinging louvers provide wide coverage for improved comfort.

Airflow can also be adjusted manually in the vertical direction.



## Floor-standing Line-up

The PSA series was previously only able to be connected to P series outdoor units. However, it can now also be connected to S series outdoor units. This wider lineup provides our customers with a more flexible range of options.



## SERIES SELECTION

### Power Inverter Series



#### Indoor Unit

**R32**  
**R410A**



PSA-M71/100/125/140KA

#### Outdoor Unit

**R32**

For Single



PUZ-ZM71



PUZ-ZM100/125/140

**R32**

For Multi  
(Twin/Triple)



PUZ-ZM140/200/250

#### Remote Controller



Built-in



Optional\*

\* PAR-SA9CA-E is also required.

### PSA-M Indoor Unit Combinations Indoor unit combinations shown below are possible.

Indoor Unit Combination	Outdoor Unit Capacity																			
	For Single									For Twin					For Triple			For Quadruple		
	35	50	60	71	100	125	140	200	250	71	100	125	140	200	250	140	200	250	200	250
Power Inverter (PUZ-ZM)	-	-	-	71x1	100x1	125x1	140x1	-	-	-	-	-	71x2	100x2	125x2	-	-	71x3	-	-
Distribution Pipe	-	-	-	-	-	-	-	-	-	-	-	-	MSDD-50TR2-E	MSDD-50WR2-E	-	-	MSDT-111R3-E	-	-	

## SERIES SELECTION

### Standard Inverter Series



#### Indoor Unit

**R32**  
**R410A**



PSA-M71/100/125/140KA

#### Outdoor Unit

**R32**

For Single



SUZ-M71



PUZ-M100/125/140

**R32**

For Multi  
(Twin/Triple)



PUZ-M140



PUZ-M200/250

#### Remote Controller



Built-in



Optional\*

\* PAR-SA9CA-E is also required.

### PSA-M Indoor Unit Combinations Indoor unit combinations shown below are possible.

Indoor Unit Combination	Outdoor Unit Capacity																			
	For Single									For Twin					For Triple			For Quadruple		
	35	50	60	71	100	125	140	200	250	71	100	125	140	200	250	140	200	250	200	250
Standard Inverter (PUZ-M)	-	-	-	71x1	100x1	125x1	140x1	-	-	-	-	-	71x2	100x2	125x2	-	-	71x3	-	-
Distribution Pipe	-	-	-	-	-	-	-	-	-	-	-	-	MSDD-50TR2-E	MSDD-50WR2-E	-	-	MSDT-111R3-E	-	-	



**PSA-M SERIES**  
POWER INVERTER



Type		Inverter Heat Pump								
Indoor Unit		PSA-M71KA	PSA-M100KA	PSA-M100KA	PSA-M125KA	PSA-M125KA	PSA-M140KA	PSA-M140KA		
Outdoor Unit		PUZ-ZM71VHA2	PUZ-ZM100VKA2	PUZ-ZM100VKA2	PUZ-ZM125VKA2	PUZ-ZM125VKA2	PUZ-ZM140VKA2	PUZ-ZM140VKA2		
Refrigerant <sup>(1)</sup>		R32								
Power Source		Outdoor power supply								
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	1.888	2.493	2.493	3.955	3.955	3.976	3.976
	EER	Rated		3.76	3.81	3.81	3.16	3.16	3.37	3.37
	Design load		kW	7.1	9.5	9.5	—	—	—	—
Heating	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 - 16.0	5 - 16.0	5.7 - 18.0	5.7 - 18.0
	Total Input	Rated	kW	2.338	3.172	3.172	4.501	4.501	5.000	5.000
	COP	Rated		3.25	3.53	3.53	3.11	3.11	3.20	3.20
	Design load		kW	4.7	7.8	7.8	—	—	—	—
Operating Current(Max)	Input [cooling / Heating]	Rated	kW	0.06 / 0.06	0.11 / 0.11	0.11 / 0.11	0.11 / 0.11	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	H*W*D	mm	1900-600-360	1900-600-360	1900-600-360	1900-600-360	1900-600-360	1900-600-360	1900-600-360
	Weight		kg	46	46	46	46	46	48	48
	Air Volume (Lo-Mi2-Mi1-Hi)		m³/min	20-22-24	25-28-30	25-28-30	25-28-31	25-28-31	25-28-31	25-28-31
Outdoor Unit	Dimensions	H*W*D	mm	943-950-330(+25)	1338-1050-330(+40)	1338-1050-330(+40)	1338-1050-330(+40)	1338-1050-330(+40)	1338-1050-330(+40)	1338-1050-330(+40)
	Weight		kg	67	105	111	114	114	105	118
	Air Volume	Cooling	m³/min	55	110	110	120	120	120	120
		Heating	m³/min	55	110	110	120	120	120	120
	Sound Level (SPL)	Cooling	dB(A)	47	49	49	50	50	50	50
Guaranteed Operating Range (Outdoor)	Cooling <sup>(3)</sup>	°C	-15 ~ +46	-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	-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<sub>2</sub> over a period of 100 years. Never try to interfere with the refrigerant circuit yourself or disassemble the product yourself and always ask a professional. The GWP of R410A is 2088 in the IPCC 4th Assessment Report.  
 \*2 Energy consumption based on standard test results. Actual energy consumption will depend on how the appliance is used and where it is located.  
 \*3 Optional air protection guide is required where ambient temperature is lower than -5°C. \*4 SEER and SCOP are based on 2009/125/EC Energy-related Products Directive and Regulation(EU) No206/2012.



**PSA-M SERIES**  
STANDARD INVERTER



Type		Inverter Heat Pump								
Indoor Unit		PSA-M71KA	PSA-M100KA	PSA-M100KA	PSA-M125KA	PSA-M125KA	PSA-M140KA	PSA-M140KA		
Outdoor Unit		SUZ-M71VA	PUZ-M100VKA2	PUZ-M100VKA2	PUZ-M125VKA2	PUZ-M125VKA2	PUZ-M140VKA2	PUZ-M140VKA2		
Refrigerant <sup>(1)</sup>		R32								
Power Source		Outdoor power supply								
Supply Outdoor(V/Phase/Hz)		VA, VKA:230/Single/50, YKA:400/Three/50								
Cooling	Capacity	Rated	kW	7.1	9.4	9.4	12.1	12.1	13.6	13.6
		Min-Max	kW	2.2 - 8.1	3.7 - 10.6	3.7 - 10.6	5.6 - 13.0	5.6 - 13.0	5.8 - 13.7	5.8 - 13.7
	Total Input	Rated	kW	1.972	2.686	2.686	4.481	4.481	5.037	5.037
	EER	Rated		3.60	3.50	3.50	2.70	2.70	2.70	2.70
	Design load		kW	7.1	9.4	9.4	—	—	—	—
Heating	Capacity	Rated	kW	8.0	11.2	11.2	13.5	13.5	15.0	15.0
		Min-Max	kW	2.1 - 10.2	2.8 - 12.5	2.8 - 12.5	4.8 - 15.0	4.8 - 15.0	4.9 - 15.8	4.9 - 15.8
	Total Input	Rated	kW	2.492	3.246	3.246	4.355	4.355	4.761	4.761
	COP	Rated		3.21	3.45	3.45	3.10	3.10	3.15	3.15
	Design load		kW	5.8	8.0	8.0	—	—	—	—
Operating Current(Max)	Input [cooling / Heating]	Rated	kW	0.06 / 0.06	0.11 / 0.11	0.11 / 0.11	0.11 / 0.11	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	H*W*D	mm	1900-600-360	1900-600-360	1900-600-360	1900-600-360	1900-600-360	1900-600-360	1900-600-360
	Weight		kg	46	46	46	46	46	48	48
	Air Volume (Lo-Mi2-Mi1-Hi)		m³/min	20-22-24	25-28-30	25-28-30	25-28-31	25-28-31	25-28-31	25-28-31
Outdoor Unit	Dimensions	H*W*D	mm	880-840-330	981-1050-330(+40)	981-1050-330(+40)	981-1050-330(+40)	981-1050-330(+40)	981-1050-330(+40)	981-1050-330(+40)
	Weight		kg	55	76	78	84	85	84	85
	Air Volume	Cooling	m³/min	50.1	79	79	86	86	86	86
		Heating	m³/min	50.1	79	79	92	92	92	92
	Sound Level (SPL)	Cooling	dB(A)	49	51	51	54	54	55	55
Guaranteed Operating Range (Outdoor)	Cooling <sup>(3)</sup>	°C	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46
	Heating	°C	-10 ~ +24	-15 ~ +21	-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<sub>2</sub> over a period of 100 years. Never try to interfere with the refrigerant circuit yourself or disassemble the product yourself and always ask a professional. The GWP of R410A is 2088 in the IPCC 4th Assessment Report.  
 \*2 Energy consumption based on standard test results. Actual energy consumption will depend on how the appliance is used and where it is located.  
 \*3 Optional air protection guide is required where ambient temperature is lower than -5°C.  
 \*4 SEER and SCOP are based on 2009/125/EC Energy-related Products Directive and Regulation(EU) No206/2012.  
 \*5 Joint pipe is required depending on installed refrigerant pipes, outdoor units and indoor units.






## PLA-SM SERIES SERIES SELECTION

### Indoor Unit




PLA-SM71/100/125/140EA

### Outdoor Unit




SUZ-SM71VA




PUZ-SM100/125/140VKA2  
PUZ-SM100/125/140YKA2

### Optional


PLP-6EAJ - Panel only  
PLP-6EALM - Panel with signal receiver and wireless remote controller



PAR-41MAA(B)  
DELUXE



PAC-YT52CRA



PAR-SL100A\*

\*Enclosed with PLP-6EALM

## PLA-SM SERIES

Type			Inverter Heat Pump								
Indoor Unit			PLA-SM71EA	PLA-SM100EA		PLA-SM125EA		PLA-SM140EA			
Outdoor Unit			SUZ-SM71VA	PUZ-SM100VKA	PUZ-SM100YKA	PUZ-SM125VKA	PUZ-SM125YKA	PUZ-SM140VKA	PUZ-SM140YKA		
Refrigerant			R32 <sup>(1)</sup>								
Power Supply			Outdoor power supply								
Source			VA - VKA:230 / Single / 50, YKA:400 / Three / 50								
Outdoor (V / Phase / Hz)											
Cooling	Capacity	Rated	kW	7,1	9,5	9,5	12,1	13,4			
		Min-Max	kW	2,2-8,1	4,0-10,6	4,0-10,6	5,8-13,0	5,8-14,1			
	Total Input	Rated	kW	1,97	2,79	2,79	4,17	5,13			
	EER			3,6	3,4	3,4	2,9	2,61			
	EEL Rank			-	-	-	-	-			
	Design load		kW	7,1	9,5	9,5	12,1	13,4			
	Annual electricity consumption <sup>(*)2</sup>		kWh/a	410	554	554	-	-			
SEER			6	6	6	-	-				
Energy efficiency class			A+	A+	A+	-	-				
Heating (Average Season)	Capacity	Rated	kW	8	11,2	11,2	13,5	15			
		Min-Max	kW	2,0-10,2	2,8-12,5	2,8-12,5	4,1-15,0	4,2-15,8			
	Total Input	Rated	kW	2,28	3,1	3,1	3,73	4,54			
	COP			3,5	3,61	3,61	3,61	3,3			
	EEL Rank			-	-	-	-	-			
	Design load		kW	5,8	8	8	8,5	9,4			
	Declared Capacity	at reference design temperature	kW	5,2 (-10°C)	6,0 (-10°C)	6,0 (-10°C)	8,5 (-10°C)	9,4 (-10°C)			
		at bivalent temperature	kW	5,2 (-7°C)	7,0 (-7°C)	7,0 (-7°C)	8,5 (-10°C)	9,4 (-10°C)			
		at operation limit temperature	kW	5,2 (-10°C)	4,5 (-15°C)	4,5 (-15°C)	6,0 (-15°C)	7,0 (-15°C)			
	Back up heating capacity		kW	0,6	2	2	0	0			
Annual electricity consumption <sup>(*)2</sup>		kWh/a	2066	2482	2482	-	-				
SCOP			3,9	4,5	4,5	-	-				
Energy efficiency class			A	A+	A+	-	-				
Operating Current (Max)			A	15,1	20,5	12	27,2	12,2	30,7	12,2	
Input (cooling/heating)			Rated	kW	0,04	0,07	0,07	0,1	0,1	0,1	0,1
Operating Current (Max)			A	0,27	0,46	0,46	0,66	0,66	0,66	0,66	
Dimensions <Panel>			HxWxD	258x840x840<40x950x950>		298x840x840<40x950x950>		26<5>			
Indoor Unit	Weight <Panel>		kg	21<5>		24<5>		26<5>			
	Air Volume (Lo-Mid-Hi)		m³/min	14-17-19-21		19-23-26-29		21-25-28-31			
	Sound Level (Lo-Mid-Hi) (SPL)		dB(A)	28-30-32-34		31-34-37-40		33-37-41-44			
	Sound Level (PWL)		dB(A)	56		61		65			
Dimensions			HxWxD	880x840x330		981x1050x330 (+40)					
Outdoor Unit	Weight		kg	55	76	78	84	85	84	85	
	Air Volume	Cooling	m³/min	50,1	79	79	86	86	86	86	
		Heating	m³/min	50,1	79	79	92	92	92	92	
	Sound Level (SPL)	Cooling	dB(A)	49	51	51	54	54	55	55	
		Heating	dB(A)	51	54	54	56	56	57	57	
	Sound Level (PWL)	Cooling	dB(A)	66	70	70	72	72	73	73	
	Operating Current (Max)		A	14,8	20	11,5	26,5	11,5	30	11,5	
Breaker Size			A	20	32	16	32	16	40	16	
Ext. Piping	Diameter	Liquid/Gas	mm	9,52 / 15,88							
	Max. Length	Out-In	m	30		40					
	Max. Height	Out-In	m	30							
Guaranteed Operating Range (Outdoor)				Cooling		-15 ~ +46		Heating		-15 ~ +21	
Refrigerant/GWP				R32/675 <sup>(*)4</sup>							
Pre-Charged quantity	Weight	kg	1,45	3,1	3,1	3,6	3,6	3,6	3,6		
	CO <sub>2</sub> equivalent	t	0,98	2,09	2,09	2,43	2,43	2,43	2,43		
Max added quantity	Weight	kg	2,37	4,1	4,1	5	5	5	5		
	CO <sub>2</sub> equivalent	t	1,6	2,77	2,77	3,38	3,38	3,38	3,38		

<sup>(\*)1</sup> 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<sub>2</sub> over a period of 100 years. Never try to interfere with the refrigerant circuit yourself or disassemble the product yourself and always ask a professional.

<sup>(\*)2</sup> Energy consumption based on standard test results. Actual energy consumption will depend on how the appliance is used and where it is located.


<sup>(\*)3</sup> Optional air protection guide is required where ambient temperature is lower than -5°C.

<sup>(\*)4</sup> This GWP value is based on Regulation (EU) No 517/2014 from IPCC 4th edition.




## PEAD-SM SERIES SERIES SELECTION

### Indoor Unit




PEAD-SM71/100/125/140JAL(2)

### Outdoor Unit




SUZ-SM71VA




PUZ-SM100/125/140VKA  
PUZ-SM100/125/140YKA


### Remote Controller (Optional)



PAR-41MAA(B)  
Optional



PAC-YT52CRA  
Optional



PAR-FL32MA  
Optional

## PEAD-SM SERIES

Type		Inverter Heat Pump									
Indoor Unit		PEAD-SM71JA (L)	PEAD-SM100JA (L)	PEAD-SM100JA (L)	PEAD-SM125JA (L)	PEAD-SM125JA (L)	PEAD-SM140JA (L)	PEAD-SM140JA (L)			
Outdoor Unit		SUZ-SM71VA	PUZ-SM100VKA	PUZ-SM100YKA	PUZ-SM125VKA	PUZ-SM125YKA	PUZ-SM140VKA	PUZ-SM140YKA			
Refrigerant		R32 <sup>(*)</sup>									
Power Supply		Outdoor power supply									
Source		VA · VKA:230 / Single / 50, YKA:400 / Three / 50									
Outdoor (V / Phase / Hz)											
Cooling	Capacity	Rated	kW	7,1	9,5	9,5	12,1	13,4			
		Min-Max	kW	2,2-8,1	4,0-10,6	4,0-10,6	6,0-13,0	6,1-14,1			
	Total Input	Rated	kW	2,08	2,95	2,95	4,17	4,96			
	EER			3,41	3,21	3,21	2,9	2,7			
	EEL Rank			-	-	-	-	-			
	Design load		kW	7,1	9,5	9,5	12,1	13,4			
	Annual electricity consumption <sup>(**)</sup>		kWh/a	451	626	626	-	-			
	SEER			5,5	5,3	5,3	-	-			
	Energy efficiency class			A	A	A	-	-			
	Heating (Average Season)	Capacity	Rated	kW	8	11,2	11,2	13,5	15		
		Min-Max	kW	2,0-10,2	2,8-12,5	2,8-12,5	4,1-15,0	4,2-15,8			
Total Input		Rated	kW	2,21	3,02	3,02	3,85	4,28			
COP				3,61	3,7	3,7	3,5	3,5			
EEL Rank				-	-	-	-	-			
Design load			kW	5,8	8	8	8,5	9,4			
Declared Capacity		at reference design temperature	kW	5,2 (-6°C)	6,0 (-10°C)	6,0 (-10°C)	8,5 (-10°C)	9,4 (-10°C)			
		at bivalent temperature	kW	5,2 (-7°C)	7,0 (-7°C)	7,0 (-7°C)	8,5 (-10°C)	9,4 (-10°C)			
		at operation limit temperature	kW	5,2 (-10°C)	4,5 (-15°C)	4,5 (-15°C)	6,0 (-15°C)	7,0 (-15°C)			
Back up heating capacity			kW	0,6	2	2	0	0			
Annual electricity consumption <sup>(**)</sup>		kWh/a	2080	2865	2865	-	-				
SCOP			3,9	3,9	3,9	-	-				
Energy efficiency class			A	A	A	-	-				
Operating Current (Max)			A	16,8	22,7	14,2	29,3	14,3	32,8	14,3	
Input (cooling/heating)	Rated	kW	0,17 / 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	1,97	2,65	2,65	2,76	2,76	2,78	2,78	
Dimensions		HxWxD	mm	250-1100-732	250-1400-732	250-1400-732	250-1400-732	250-1400-732	250-1600-732	250-1600-732	
Weight (L:No Drain Pump)			kg	30 (29)	39 (38)	39 (38)	40 (39)	40 (39)	44 (43)	44 (43)	
Air Volume (Lo-Mid-Hi)			m <sup>3</sup> /min	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							
Sound Level (Lo-Mid-Hi) (SPL)			dB(A)	26-30-34	29-34-38		33-36-40		34-38-43		
Sound Level (PWL)			dB(A)	58	62		66		67		
Dimensions		HxWxD	mm	880x840x330		981x1050x330 (+40)					
Weight			kg	55	76	78	84	85	84	85	
Outdoor Unit	Air Volume	Cooling	m <sup>3</sup> /min	50,1	79	79	86	86	86	86	
		Heating	m <sup>3</sup> /min	50,1	79	79	92	92	92	92	
	Sound Level (SPL)	Cooling	dB(A)	49	51	51	54	54	55	55	
		Heating	dB(A)	51	54	54	56	56	57	57	
	Sound Level (PWL)	Cooling	dB(A)	66	70	70	72	72	73	73	
		Heating	dB(A)	66	70	70	72	72	73	73	
Operating Current (Max)			A	14,8	20	11,5	26,5	11,5	30	11,5	
Breaker Size			A	20	32	16	32	16	40	16	
Ext. Piping	Diameter	Liquid/Gas	mm	9,52 / 15,88							
	Max. Length	Out-In	m	30			40				
		Max. Height	m	30							
Guaranteed Operating Range (Outdoor)		Cooling <sup>(**)</sup>	°C	-15 ~ +46							
		Heating	°C	-10 ~ +24		-15 ~ +21					
Refrigerant/GWP				R32/675 <sup>(**)</sup>							
Pre-Charged quantity	Weight	kg	1,45	3,10	3,10	3,60	3,60	3,60	3,60		
	CO <sub>2</sub> equivalent	t	0,98	2,09	2,09	2,43	2,43	2,43	2,43		
Max added quantity	Weight	kg	2,37	4,10	4,10	5,00	5,00	5,00	5,00		
	CO <sub>2</sub> equivalent	t	1,60	2,77	2,77	3,38	3,38	3,38	3,38		

(\*) 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<sub>2</sub> over a period of 100 years. Never try to interfere with the refrigerant circuit yourself or disassemble the product yourself and always ask a professional.

(\*\*) Energy consumption based on standard test results. Actual energy consumption will depend on how the appliance is used and where it is located.

(\*\*\*) Optional air protection guide is required where ambient temperature is lower than -5°C.

(\*\*\*\*) This GWP value is based on Regulation(EU) No 517/2014 from IPCC 4th edition.