

Natural Comfort for Everybody

Mr. SLIM

AIR CONDITIONING SYSTEMS






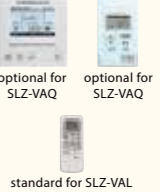












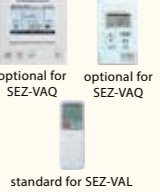





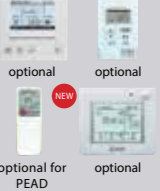































# COMFORT TAKES ON NEW MEANING WITH THE POWER OF TECHNOLOGY

Our technologically advanced Mr. Slim Power Inverter systems improve comfort, operate with significantly less noise, .... and provide increased energy savings.

Mr. SLIM

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Product Line-up		2.5kW	3.5kW	5.0kW	6.0kW	7.1kW	10.0kW	12.5kW	14.0kW	17.0kW	20.0kW	25.0kW	Remote controller	See page
	4-way Ceiling Cassette	SLZ Series Compact cassette		 SLZ-KA25VAQ(L)	 SLZ-KA50VAQ(L)								 optional for SLZ-VAQ    optional for SLZ-VAQ standard for SLZ-VAL	21
		PLA Series Wide Power cassette			 PLA-RP60BA	 PLA-RP71BA	 PLA-RP100BA	 PLA-RP125BA	 PLA-RP140BA				 optional    optional optional	15 16
	Compact Bulkhead	SEZ Series		 SEZ-KD25VAQ(L)	 SEZ-KD35VAQ(L)	 SEZ-KD50VAQ(L)	 SEZ-KD60VAQ(L)	 SEZ-KD71VAQ(L)					 optional for SEZ-VAQ    optional for SEZ-VAQ standard for SEZ-VAL	21
	Ceiling-concealed	PEAD Series					 PEAD-RP71JAA	 PEAD-RP100JAA	 PEAD-RP125JAA	 PEAD-RP140JAA			 optional    optional optional for PEAD    optional	17
		PEA Series						 PEA-RP100GAA	 PEA-RP125GAA	 PEA-RP140GAA	 PEA-RP170WJA	 PEA-RP200WJA	 PEA-RP250WHA	 optional    optional optional
	Ceiling-suspended	PCA Series			 PCA-RP50KAQ	 PCA-RP60KAQ	 PCA-RP71KAQ	 PCA-RP100KAQ	 PCA-RP125KAQ	 PCA-RP140KAQ			 optional    optional optional	19
	Wall-mounted	PKA Series					 PKA-RP71KAL	 PKA-RP100KAL					 optional    optional standard	20
Outdoor unit		 SUZ-KA25VAD	 SUZ-KA35VAD	 SUZ-KA50VAD	 SUZ-KA60VAD	 SUZ-KA71VAD	 PUHZ-RP71VHA5	 PUHZ-RP100V/YKA2	 PUHZ-RP125V/YKA2	 PUHZ-RP140V/YKA2	 PUHZ-RP170V/YKA2	 PUHZ-RP200YKA2	 PUHZ-RP250YKM	

\*SEZ/SLZ indoor units should be connected to an SUZ outdoor unit.  
\*PKA-RP71: only for PUHZ-RP outdoor connection.  
\*PEA-RP: No wireless remote controller as optional parts.

### Advanced Power Inverter

Mitsubishi Electric's Power Inverter systems increase energy efficiency.

To better meet the needs of shops and offices, our outdoor units are offered in three-phase power supply models in addition to the existing line-up of single-phase models. Select the model to best match your needs from our expanded model range.



Outdoor Line-up (PUAZ-RP series)							
	71	100	125	140	170	200	250
Single-phase	●	●	●	●	●		
Three-phase		●	●	●	●	●	●

### Demand Function

Based on the connection of a demand response enabling device (DRED) to the outdoor unit, Demand Response Mode is activated in response to signals sent from the electric authority at times when it is necessary to reduce peak demand.

The units with service reference number PUAZ-RP-VHA5R1-A and PUAZ-RP-V/YKA2R1-A are demand response capable.

This capability is possible with the connection of a demand response enabling device (DRED) to the terminal block interface (BT00C023G02).

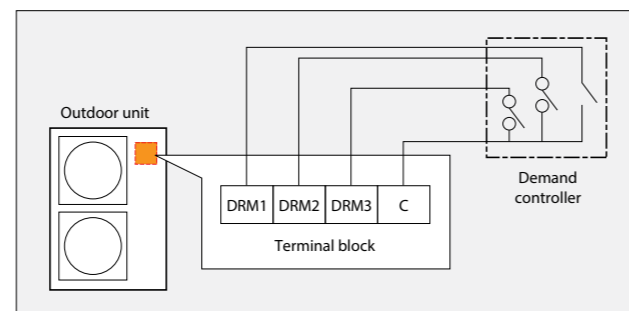
This item is supplied in a sealed bag located in the compressor chamber. Connection of the terminal block interface is a mandatory requirement for the installation of any PUAZ-RP-VHA5R1-A and PUAZ-RP-V/YKA2R1-A units.

When installed the system is demand response capable; that is, ready to be connected to a demand response enabling device (DRED)\*.

\*PUAZ-RP250 is excluded.  
Please contact Mitsubishi Electric Australia Pty. Ltd. for details.

### Air Conditioner Demand Response Mode

Demand Response Mode (DRM)	Description of operation in this mode
DRM1	Compressor Off
DRM2	The air conditioner continues to cool or heat during the demand response event, but the electrical energy consumed by the air conditioner in a half hour period is not more than 50% of the total electrical energy that would be consumed if operating at the rated capacity in a half hour period.
DRM3	The air conditioner continues to cool or heat during the demand response event, but the electrical energy consumed by the air conditioner in a half hour period is not more than 75% of the total electrical energy that would be consumed if operating at the rated capacity in a half hour period.



see specification on Page 24

### Long Maximum Piping Length

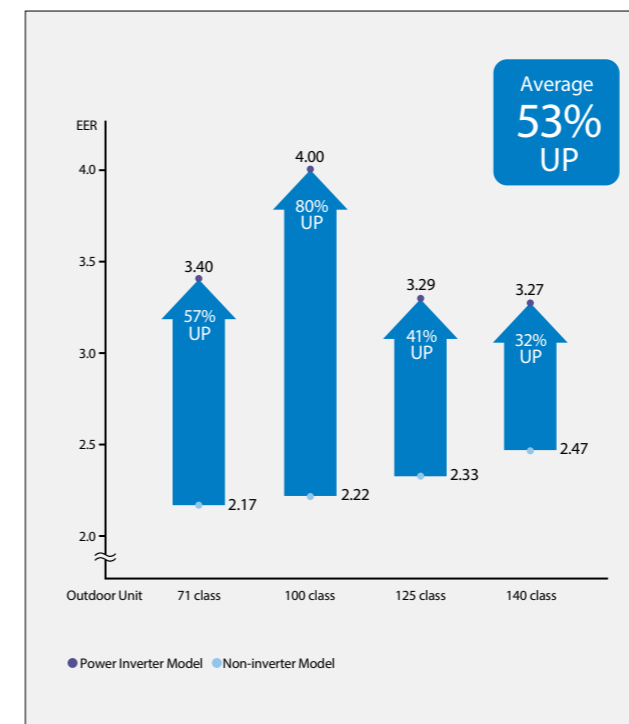
The maximum piping length is 75m. Therefore there is a wide range of layout possibilities for unit installation.

Max. piping length	Max. piping length (one-way)	
	Max. height difference	
PUAZ-RP71	30m	50m
PUAZ-RP 100/125/140/170/200/250	30m	75m

### High Energy Efficiency

#### Comparison of EER (cooling mode)

Comparison of EER between non-inverter and Power Inverter (4-way ceiling cassette) models.



\*EER are measured at rated condition.

### High Power

#### More Power for Faster Cooling/Heating

#### Powerful Cooling/Heating Performance

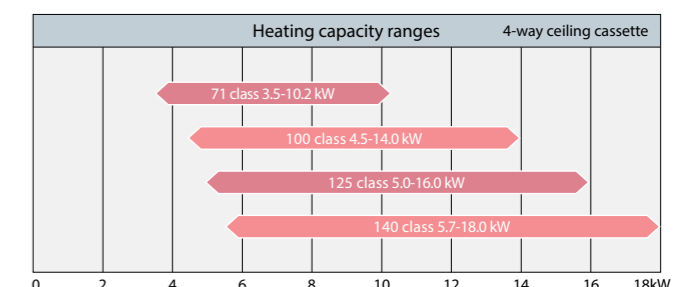
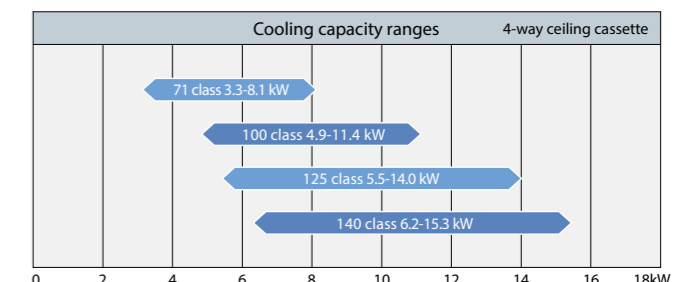
The maximum operating cooling/heating capacity of the Mr. Slim Power Inverter units have been improved (compared to conventional non-inverter models) when operating in either low or high outdoor temperatures.

	Cooling capacity (kW)		4-way ceiling cassette
	R22 Non-inverter	R410A Power inverter max. (PUAZ-RP)	
71 class	7.7	8.1	105%
100 class	9.7	11.4	118%
125 class	12.4	14.0	113%
140 class	14.0	15.3	109%

	Heating capacity (kW)		4-way ceiling cassette
	R22 Non-inverter	R410A Power inverter max. (PUAZ-RP)	
71 class	8.4	10.2	121%
100 class	10.4	14.0	135%
125 class	14.0	16.0	114%
140 class	16.1	18.0	112%

#### Wider Performance Range

Operation is now possible at lower speeds, thus cutting energy losses produced by the repeated On/Off operation of non-inverter models. Comfort is improved while power consumption is reduced.



see specification on Page 24

**Cleaning-free Pipe Reuse Technology <PUHZ-RP71-200>**



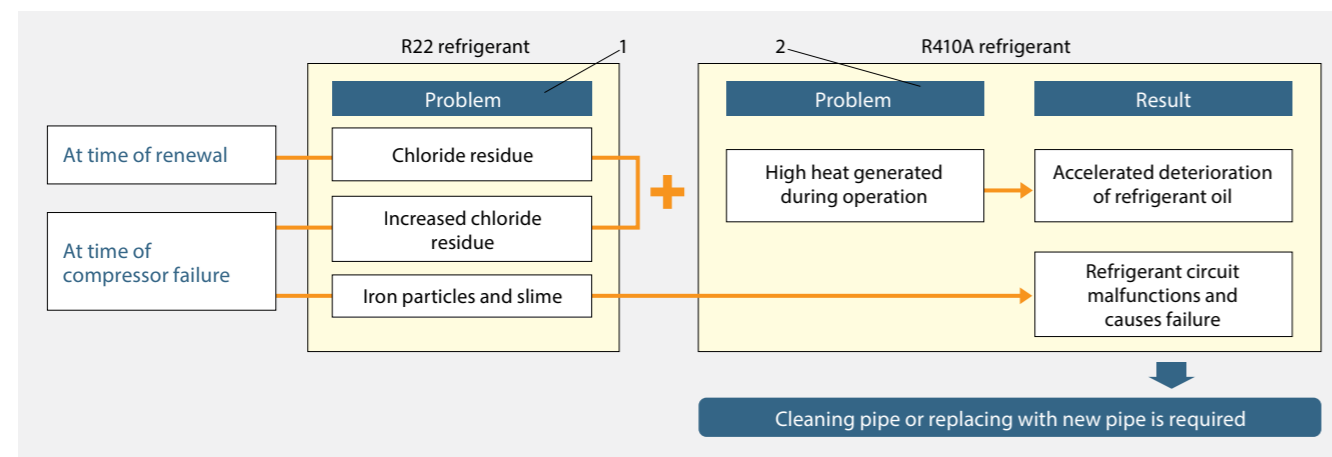
Ability to use existing piping reduces pipe waste and replacement time

**No Need to Clean at the Time of System Renewal**

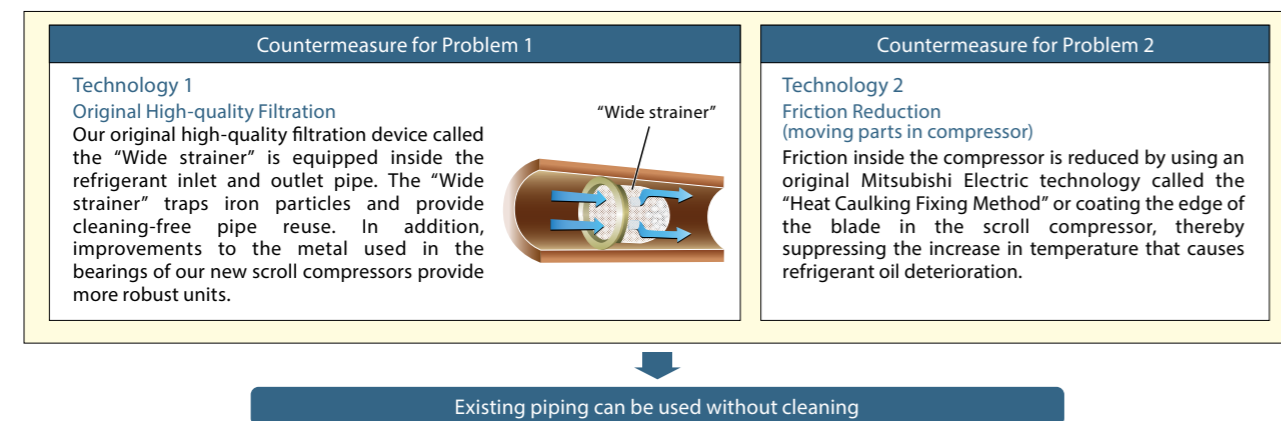
Chloride residue builds up in existing pipes and becomes a source of trouble. In addition, the iron particles and slime produced as a result of compressor failure lead to problems. To counter this, various original Mitsubishi Electric technologies have been combined to enable the introduction of "cleaning-free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

This feature is available in the PUHZ-RP71-200

**Why can't existing piping be used?**



**Mitsubishi Electric's Original Replacement Technologies**



**⚠ Cautions when using existing piping**

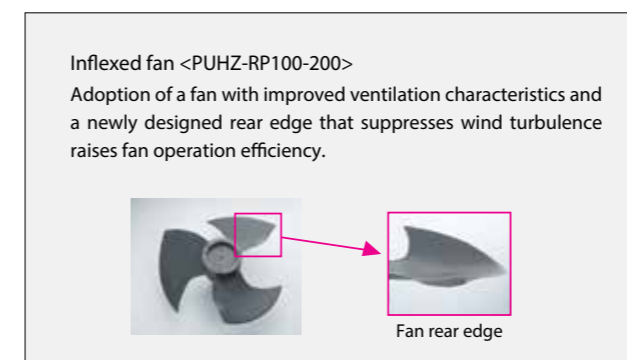
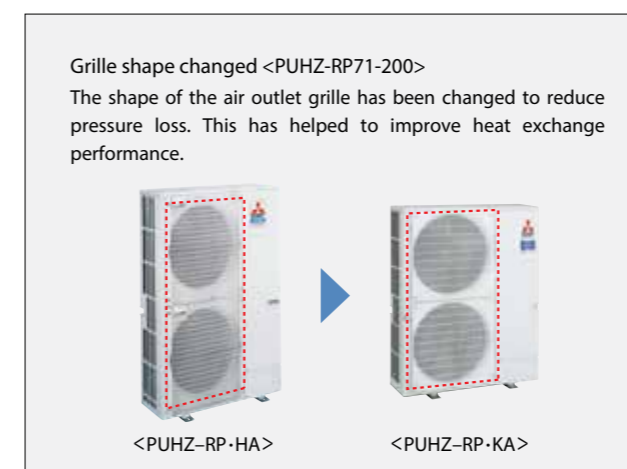
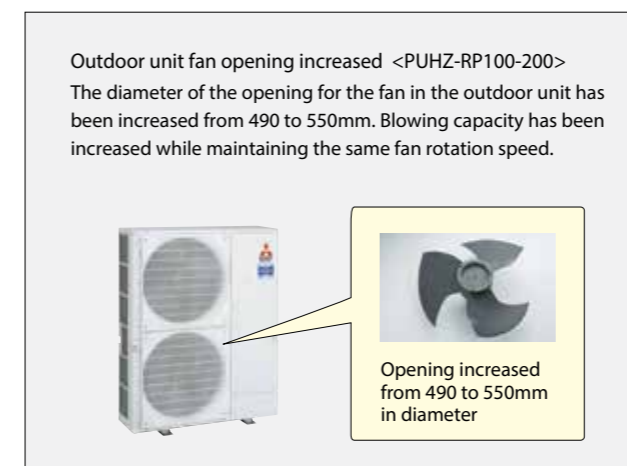
- When removing an old air conditioning unit, please make sure to perform the pump-down process and recover the refrigerant and refrigerant oil.
- Check to ensure that the piping diameter and thickness match Mitsubishi Electric specifications.
- Check to ensure that the flare is compatible with R410A.

see specification on Page 24

**Advanced Energy-efficient Technologies**

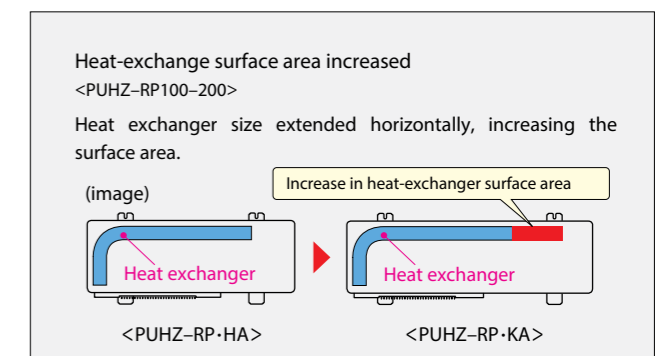
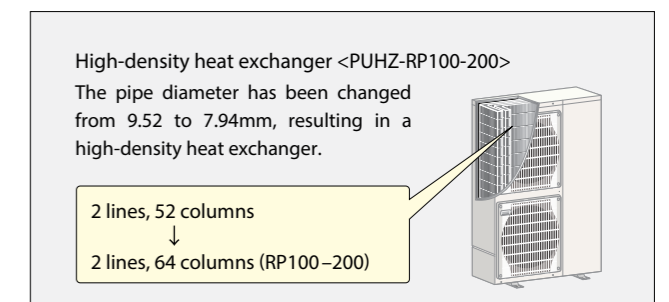
**Highly efficient fan and grille for outdoor unit**

The shapes of the fan and grille of the outdoor unit have been redesigned, realising an increase in blowing capacity and more efficient heat exchange while maintaining the same operating noise level.



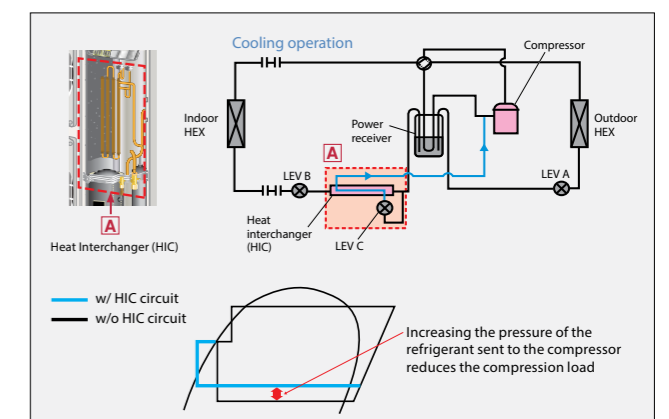
**Highly efficient heat exchanger**

A high density and increase in surface area have improved the heat-exchange efficiency of the heat exchanger.



**Heat Interchanger (HIC) Added <PUHZ-RP140>**

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



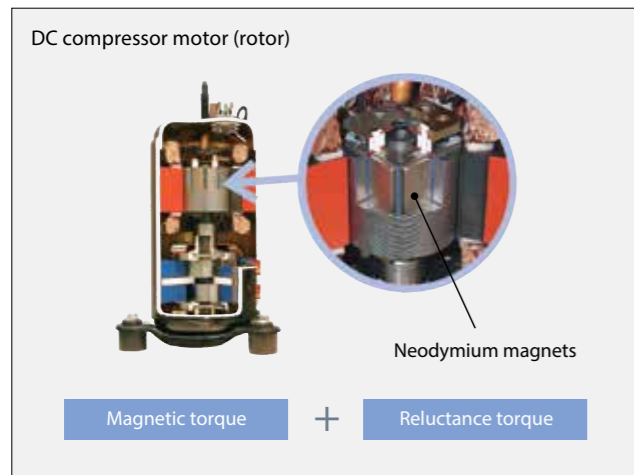
see specification on Page 24

### Advanced Technology for High Efficiency

Numerous Leading-edge Technologies Assure High Efficiency

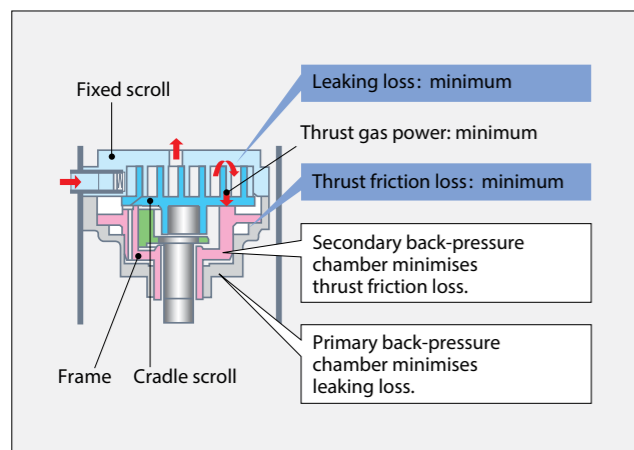
#### Reluctance DC Rotary Compressor <PUHZ-RP71>

The reluctance DC motor has a rotor equipped with powerful neodymium magnets. The magnetic torque produced by the neodymium magnets and reluctance torque results in more efficient operation.



#### Highly Efficient DC Scroll Compressor <PUHZ-RP71-200>

Higher efficiency has been achieved by adding a frame compliance mechanism to the DC scroll compressor. The mechanism allows movement in the axial direction of the frame supporting the cradle scroll, thereby greatly reducing the leakage and friction loss, and ensuring higher efficiency at all speeds.

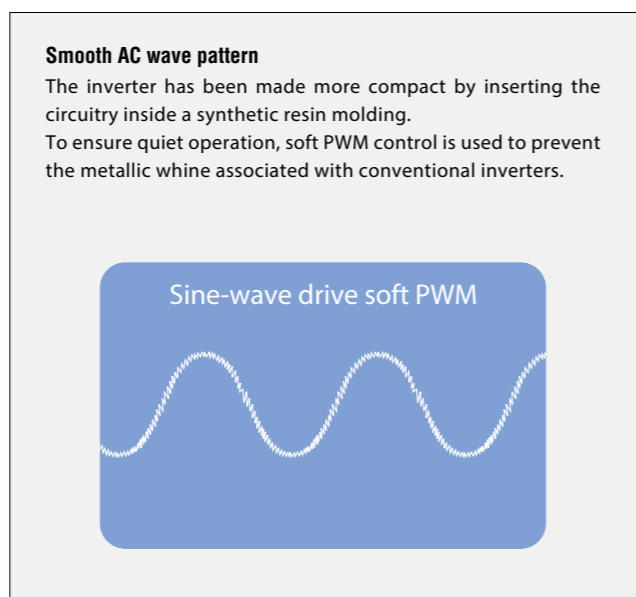


#### DC Fan Motor <PUHZ-RP71-200>

A highly efficient DC motor has been installed to drive the fan of outdoor units, realising up to 60% higher efficiency when compared to an equivalent AC motor.

#### Vector-Wave Eco Inverter

This inverter monitors the varying compressor motor frequency and creates the most efficient waveform for the motor speed. As a result, operating efficiency in all speed ranges is improved and less power is used.



#### Power Receiver and Twin LEV Control <PUHZ-RP71-200>

Mitsubishi Electric has developed a power receiver and twin linear expansion valves (LEVs) that optimise the performance of the compressor. By ensuring optimum control in response to the operating waveform and outdoor temperature, this technology is tailored to the characteristics of the new refrigerant to enhance operating efficiency.

see specification on Page 24

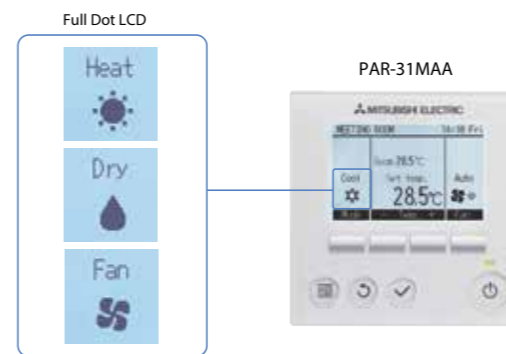
### Full Dot Liquid-crystal Display Adopted

## PAR-31MAA

Advanced Technology for High Efficiency

Easier to read thanks to use of a full dot liquid-crystal display with backlight, and easier to use with a menu format that has reduced the number of operating buttons.

Display Example [Operation Mode]



### Easy To Read & Easy To Use

Multi-language

#### Multi-language Display

Control panel operation in eight different languages

Choose the desired language, among the following languages.



### Energy-efficient Control

#### Operation Control Functions

Energy-efficiency Schedule

Precise control of power consumption <PUHZ-RP71-200>

The amount of power consumed in each time period is managed so that the demand value is not exceeded. The demand control function can be set to start and finish in 5-minute units. Additionally, the level can be adjusted to 0, 50, 60, 70, 80 or 90% of maximum capacity, and up to 4 patterns can be set per day. Air-conditioning operation is automatically controlled to ensure that electricity in excess of the contracted volume is not consumed.

■Setting pattern example

Start time	Finish time	Adjusted capacity level
8:15	→ 12:00	80%
12:00	→ 13:00	50%
13:00	→ 17:00	90%
17:00	→ 21:00	50%

Auto-return

Prevents wasteful operation by automatically returning to the preset temperature after specified operating time

After adjusting the temperature for initial heating in winter or cooling on a hot summer day, it is easy to forget to return the temperature setting to its original value. The Auto-return function automatically resets the temperature back to the original setting after a specified period of time, thereby preventing overheating/overcooling. The Auto-return activation time can be set in 10-minute units, in a range between 30 and 120 minutes.

\*Auto-return cannot be used when Temperature Range Restrictions is in use.

Night Setback

Keep desired room temperatures automatically

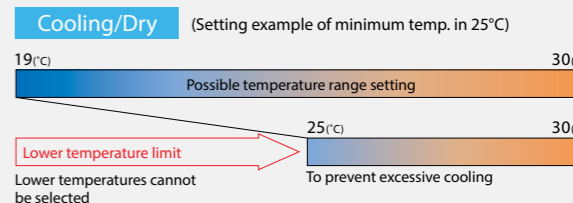
This function monitors the room temperature and automatically activates the heating mode when the temperature drops below the preset minimal temperature setting. It has the same function for cooling, automatically activating the cooling mode when the temperature rises above the preset maximum temperature setting.

Temperature Range Restriction

Temperature Range Restriction prevents overheating/overcooling

Using a temperature that is 1°C lower/higher for heating/cooling results in a 10% reduction in power consumption.\* Temperature Range Restriction limits the maximum and minimum temperature settings, contributing to the prevention of overheating/overcooling.

\*Based on Mitsubishi Electric laboratory tests in controlled conditions



Recommended for Office Restaurant

Auto-off Timer

Turns heating/cooling off automatically after preset time elapses

When using Auto-off Timer, even if one forgets to turn off the unit, operation stops automatically after the preset time elapses, thereby preventing wasteful operation. Auto-off Timer can be set in 10-minute units, in a range between 30 minutes and 4 hours. Eliminating all anxiety about forgetting to turn off the unit.

Recommended for Meeting room Changing room

Operation Lock

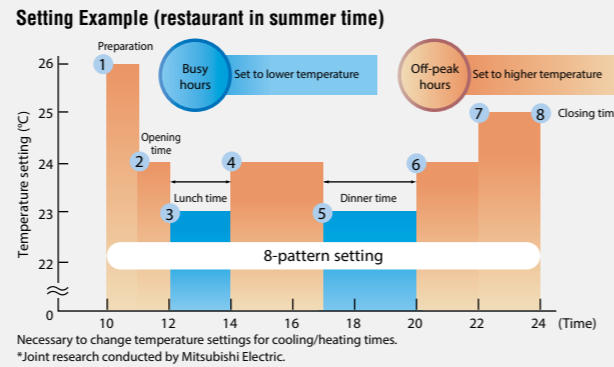
Fixed temperature setting promotes energy efficiency

In addition to operation start/stop, the operation mode, temperature setting and airflow direction can be locked. Unwanted adjustment of temperature settings is prevented and an appropriate temperature is constantly maintained, leading to energy efficiency. This feature is also useful in preventing erroneous operation or tampering.

Recommended for Office School Public hall Hospital Computer server facility

**Weekly Timer** Set up to 8 patterns per day including temperature control

The Weekly Timer enables the setting of operation start and finish times and adjusting the temperature as standard features. Up to 8 patterns per day can be set, providing operation that matches the varying conditions of each period, such as the number of customers in the store.  
\*Weekly Timer cannot be used when On/Off Timer is in use.

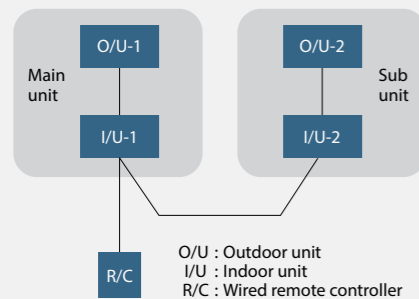


**Rotation, Back-up and 2nd Stage Cut-in Functions (PAR-31MAA) <PUHZ-RP71-200>**

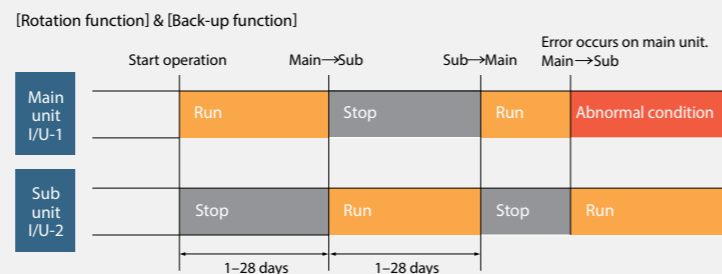
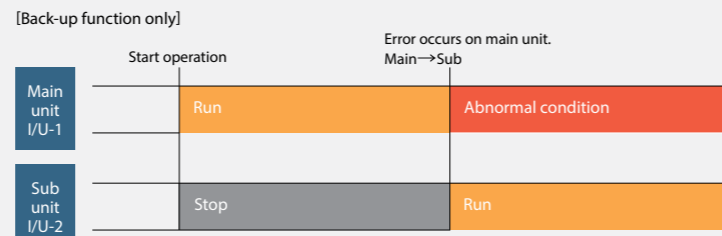
**(1) Rotation and Back-up Functions**

- Function Outline**
- Main and Sub units take turns operating according to a rotation interval setting.
  - If one unit malfunctions, the other unit automatically begins operation (Back-up function).

**System Image**



**Operation Pattern**



(When the request code is "313", each unit operates alternately in daily cycle.)

**Operation Pattern (When cooling)**



**(2) 2nd Stage Cut-in Function**

- Function Outline**
- Number of units operating is based on room temperature and predetermined settings.
  - When room temperature rises above the desired setting, the standby unit starts (2-unit operation).
  - When the room temperature falls 4°C below the predetermined setting, the standby unit stops (1-unit operation).

**System Constraint**

- This function is only available for rotation operation and when the back-up function is in cooling mode.

**Easy Maintenance Function <PUHZ-RP71-200>**

- Nearly maintenance-free operation
- Monitor operation data of the indoor and outdoor units via the remote controller. Remote controller also lets you set the operating frequency, allowing easier inspection.

Compressor		Outdoor Unit		Indoor Unit	
①	Accumulated operating time (x10hr)	④	Heat exchanger temperature (°C)	⑦	Intake-air temperature (°C)
②	Number of ON/OFF times (x100 times)	⑤	Discharge temperature (°C)	⑧	Heat exchanger temperature (°C)
③	Operating current (A)	⑥	Outdoor-air temperature (°C)	⑨	Filter operating time* (hr)

\*The filter operating time is the time elapsed since the filter button is reset.

**Wi-Fi Controller MAC-558IF-E**



**MAC-558IF-E**

Wi-Fi Control unlocks the door to smarter heating or cooling, for total home comfort wherever you are. This innovative technology connects your domestic high wall, floor mounted and ducted air conditioner to your smartphone, tablet or online account, giving you the freedom to fully control each unit on-the-go via an internet connection from anywhere in the world.



**Key Features**

- View & Control from anywhere in the world
- Enhance energy savings
- Set up 7 days weekly schedule
- Wireless connection using WPS

**Superior Customisation**



This innovative technology places multiple functions of your air-conditioner at your fingertips. Turning the unit ON/OFF, adjusting set temperature, changing mode, fan speed and airflow direction are all possible.

**Develop Operating Rules**



Tailor your system to always meet your needs. Unlock the full potential of your air-conditioner, programme your system to automatically turn on/off at specific times, change settings, and develop temperature rules to ensure superior comfort day after day.

**Room Temperature Limits**



With the ability to sense the room temperature and now automatically turn on of off to take the room to the desired temperature. Creating ultimate comfort for your home. Winter set minimum temperatures to warm up your home and Summer set maximum temperatures to create comfort cooling the room.

**Control Multiple Units**



Customise the settings of each air-conditioner in your home. Purchase multiple adaptors to manage all air-conditioners independently on the same account to ensure complete control over your system. The result is a tailored system to your needs.

**Minimum requirements**



You will require a compatible WPS router with WPA2-AES encryption, with coverage including the air-conditioners installation location. A PC/Tablet/Smartphone that is iOS, Android compatible. A MAC-558IF-E adaptor per indoor unit. Compatible Mitsubishi Electric Air-conditioner. For a full list of requirements visit [mitsubishielectric.com.au/wifi](http://mitsubishielectric.com.au/wifi)

**Available for Download**



Download the WiFi App from the App store or Google Play



Zone Controller for PEAD/PEA Series

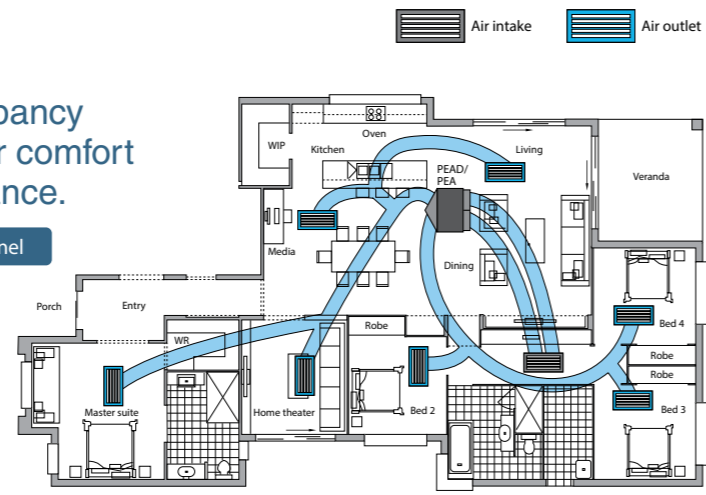


# PAC-ZC40/80L-E PAC-ZC40/80H-E

Operation of up to 8 dampers and occupancy and brightness sensors provides greater comfort while improving energy-saving performance.



Actual size: 120x140x25mm (HxWxD)



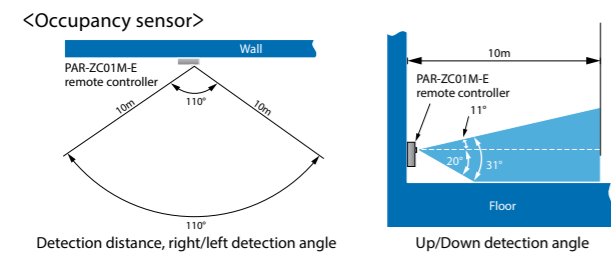
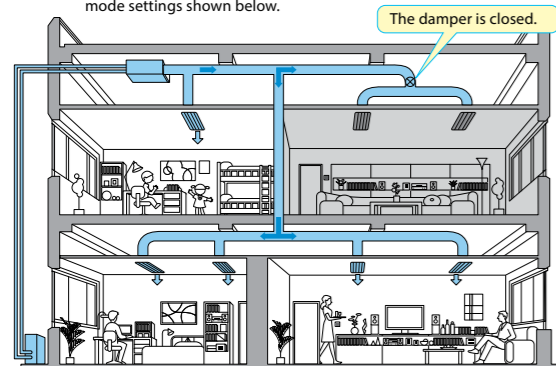
### Control operation of up to 8 dampers

By controlling the operation of up to eight dampers, the waste of operating air conditioning in unoccupied areas and areas where it is not needed can be prevented. Detailed control makes it possible to set operation to suit the user's needs.

### Occupancy and brightness sensors

The controller is equipped with an occupancy and brightness sensors that are used to determine if the room is occupied. When no one is in the room, operation switches to energy-saving mode. Excellent for ensuring that the air conditioning gets turned off, and thereby contributing to further energy savings.

<Example> When "Zone control" mode is selected among the energy-saving mode settings shown below.



<Energy-saving mode>  
Energy-saving mode settings can be selected (see table below).

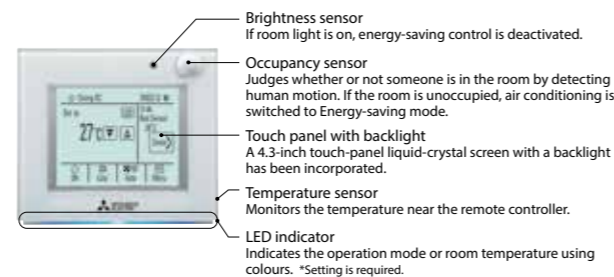
Deactivate	Even if no one is detected, Energy-saving mode is not set.
Temperature setting slide	Use slide to set desired temperature from presently set temperature.
Reduce airflow	Set airflow to "Low".
Operation/Stop	Stop operation.
Zone control	Turn off target zone settings.

### Easy to see and use

- A large, full-dot liquid-crystal screen is incorporated, greatly simplifying touch panel operation.
- The backlight makes operation in dark rooms possible.

### LED indicator

The LED indicator in the lower part of the controller clearly shows the operation mode. Easily confirm if the air conditioning is on or off from a distance. \*Set to all green display before shipping.



### Schedule setting

- Built-in weekly schedule function can control turning air conditioner on and off, and opening and closing of each damper. Up to eight patterns can be set for each week, enabling operation suitable for each time zone to be set.
- Night setback function is incorporated. If the room temperature is outside of the temperature range setting, heating or cooling operation starts automatically. This can prevent condensation or excessive temperature rise in the room.

### Wi-Fi compatibility

Can be operated from tablet, smartphone, etc.

<Zone controller>		
PAC-ZC40H-E	240Volt	4 zones (max.)
PAC-ZC80H-E	240Volt	8 zones (max.)
PAC-ZC40L-E	24Volt	4 zones (max.)
PAC-ZC80L-E	24Volt	8 zones (max.)

<Optional parts>	
Wi-Fi Control Interface	MAC-558IF-E
Remote Sensor	PAC-SE41TS-E
Zone Remote Controller	PAR-ZC01M-E

### Simple MA Remote Controller PAC-YT52CRA

# PAC-YT52CRA

### Backlit LCD

Features a liquid-crystal display (LCD) with backlight for operation in dark conditions.

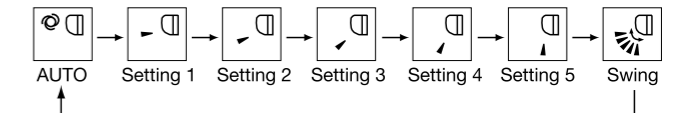
### Flat Back

The slim and flat-back shape makes installation easier without requiring a hole in the wall. Thickness is 14.5mm or less.

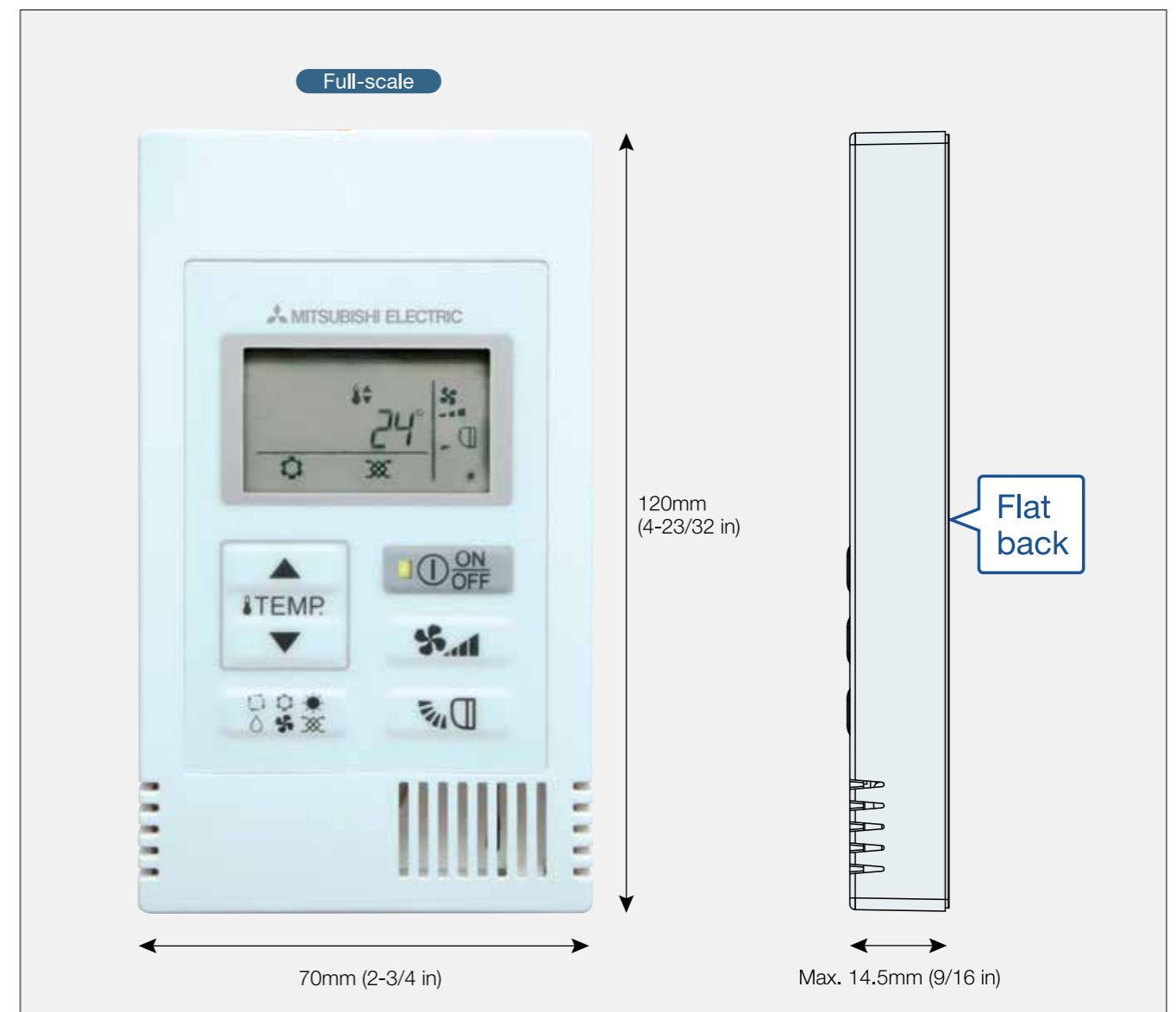
### Vane Angle Setting

The vane button has been added to allow users to change the air-flow direction (ceiling-cassette and wall-mounted units).

Pressing the button will switch the vane direction.



- \* The settable vane directions vary depending on the indoor unit model to be connected.
- \* If the unit has no vane function, the vane direction cannot be set. In this case, the vane icon flashes when the button is pressed.



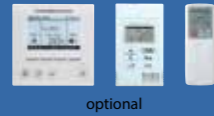


# 4-way Ceiling Cassette



PLA-RP60/71  
100/125/140BA

(i-see Sensor: optional)



optional

## Advancements in PLA series improve style and performance for ensured indoor comfort

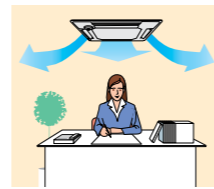
### Wide Airflow

Wide-angle outlets distribute airflow to all corners of the room, ensuring the room is sufficiently cooled/heated. Horizontal airflow and a fan speed reduced by 20% compared to conventional models also contribute to increased comfort for occupants.



### Less Cold Draft

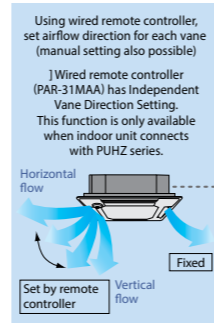
The horizontal airflow function prevents cold drafts from striking the body directly, thereby keeping the body from becoming over-chilled.



Horizontal airflow prevents drafty feeling

### Independent Vane Direction Setting

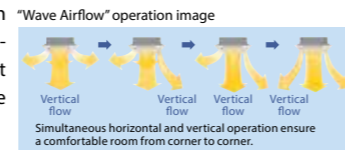
Use the wired remote controller to set the airflow pattern of each vane independently. Easily adjust airflow to the interior layout and seasonal conditions, to help ensure an even temperature distribution.



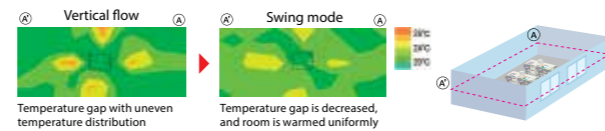
Settings can be changed anytime using a wired remote controller.

### Wave Airflow Mode for Heating

The airflow direction at each outlet changes intermittently, providing a consistent temperature throughout the room.



• Wave control effect thermograph



## Auto Fan Speed Mode

The fan speed is adjusted automatically, thereby helping to maintain a comfortable room environment at all times. At the start of operation, a high fan speed provides quick heating/cooling of the room. Once the desired temperature is reached, the fan speed is reduced for stable heating/cooling and greater comfort.

Fan speed setting by remote controller (four levels)



]Special setting is required for wireless remote controller.

## Quiet Operation

An improved airflow path and powerful high-capacity flow fan contribute to the realisation of quieter operation.



Power flow fan

## "Pure White" Colour

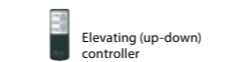
Stylish, pure white-coloured panels and wired remote controller present a clean, streamlined image that is a suitable match for any interior.

## Other Features

- Stylish indoor-unit vane covers (when unit is turned off)
- Maximum upward draining of 850mm
- Wireless remote controller available
- Duct flange for Fresh-air Intake
- Branch duct

## Automatic Grille Lowering Function (Option)

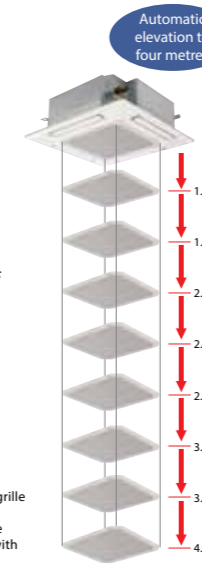
Easy to use/Simple maintenance  
An automatic grille lowering function capable of stopping at eight different heights is available to simplify filter maintenance.



Packaged elevating (up-down) controller in the grille (PLP-6BAJ) can be used when indoor unit connects with PUHZ series and SUZ series.



Wired remote controller (PAR-31MAA) has automatic grille lowering function. This function is only available when indoor unit connects with PUHZ series.



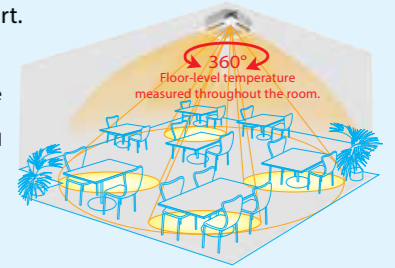
Specifications: 4-way ceiling-cassette (PLA)													
Indoor unit		PLA-RP60BA		PLA-RP71BA		PLA-RP71BA		PLA-RP100BA		PLA-RP125BA		PLA-RP140BA	
Outdoor unit		SUZ-KA60VAD		SUZ-KA71VAD		PUHZ-RP71VHA5		PUHZ-RP100V/YKA2		PUHZ-RP125V/YKA2		PUHZ-RP140V/YKA2	
Function		Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating
Capacity (min.-max.)	(kW)	6.1 (2.3-6.3)	6.9 (2.5-8.0)	7.1 (2.8-8.1)	8.0 (2.6-10.2)	7.1 (3.3-8.1)	8.0 (3.5-10.2)	10.0 (4.9-11.4)	11.2 (4.5-14.0)	12.5 (5.5-14.0)	14.0 (5.0-16.0)	13.0 (6.2-15.3)	16.0 (5.7-18.0)
Input	(kW)	1.78	1.97	2.07	2.19	2.09	2.17	2.50	2.95	3.80	3.71	3.97	4.43
Rated EER/COP		3.43	3.50	3.43	3.65	3.40	3.69	4.00	3.80	3.29	3.77	3.27	3.61
Rated AEER/ACOP		3.36	3.44	3.38	3.60	3.22	3.49	3.67/3.63	3.54/3.50	3.10/3.08	3.56/3.54	3.10/3.08	3.44/3.42
AEER/ACOP (part-load %)										4.13/4.05		3.95/3.89	
Power supply		V: Single-phase, 50Hz, 230V Y: Three-phase, 50Hz, 400V											
Airflow (Lo-Mi2-Mi1-Hi)	CMM	12-14-16-18		14-16-18-21		14-16-18-21		20-23-26-30		22-25-28-31		24-26-29-32	
	L/S	200-233-267-300		233-267-300-350		233-267-300-350		334-384-434-501		367-417-467-517		400-434-484-534	
Sound pressure level	(dB)	28-29-31-32		28-30-32-34		28-30-32-34		32-34-37-40		34-36-39-41		36-39-42-44	
Dimensions	Height (mm)	Unit: 258, Panel: 35											
	Width (mm)					Unit: 840, Panel: 950				Unit: 298, Panel: 35			
	Depth (mm)					Unit: 840, Panel: 950							
Weight	(kg)			Unit: 23, Panel: 6				Unit: 25, Panel: 6				Unit: 27, Panel: 6	

\* MEPS compliant at part load  
\* SUZ-KA-VAD is potentially demand response capable unit. DRC-101A is required.

### Sound Pressure Level

• Sound pressure measurements were conducted in an anechoic chamber.  
• The actual noise level depends on the distance from the unit and the acoustic environment.

4-way cassettes can be equipped with the i-see Sensor, a radiation-based sensor that monitors floor-level temperatures throughout the room to ensure room comfort.



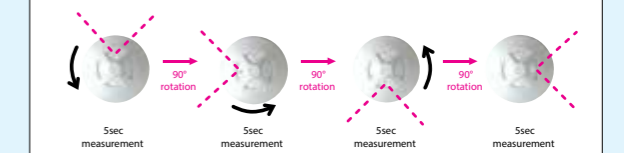
i-see Sensor works to ensure even temperature distribution and save energy (requires optional corner panel)

### i-see Sensor improves energy efficiency and enhances room comfort (Option)

The i-see Sensor is an innovative Mitsubishi Electric technology that uses a radiation-based sensor to monitor temperature throughout the entire room. When connected to the air conditioner control panel, i-see Sensor works to maximise room comfort through 360° sensing that covers the whole floor space.

### i-see Sensor Operation

The i-see Sensor rotates 90° and takes 5-second measurements to accurately determine floor-level temperatures on all sides of the room.



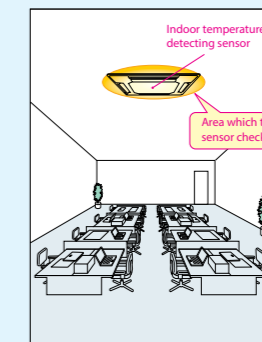
- The i-see Sensor calculates the temperature by measuring the infrared rays emanating from the walls and floors, and measuring the floor-level temperature.
- The sensor rotates 360° once every two minutes when there is significant temperature disparity and once every five minutes when a stable, even temperature has been reached.

### "I Feel" Temperature Control

The sensory temperature is calculated by measuring the air-intake temperature and the floor temperature. This technology helps to avoid overcooling or overheating.

### Without i-see Sensor

Only intake-air temperature at the ceiling is measured, resulting in uneven temperature distribution.

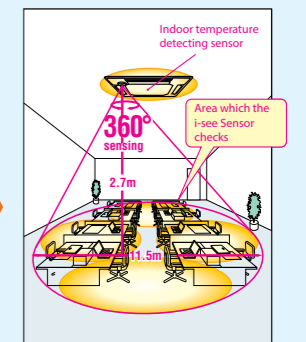


Heating  
Set temperature: 23°C  
without i-see Sensor



### With i-see Sensor

Both floor-level and intake-air temperatures are measured, providing operation that creates a comfortable room environment from ceiling to floor.



Heating  
Set temperature: 20°C  
with i-see Sensor + Auto Fan Speed



# Ceiling-concealed



PEAD-RP71/100/125/140JAA



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

### Compact Indoor Units

The height of the PEAD (7.1kW-14.0kW) models has been unified to 250mm. Compared to the previous PEA-RP models, the height has been reduced by as much as 178mm, making installation possible in low ceilings with minimal clearance space.



### Lighter Weight

Compared to the previous PEA-RP-EAQ (7.1kW-14.0kW) models, unit weight has been reduced by an average of 27kg. This significant weight reduction allows for increased ease of installation.

### Wide Selection of Fan Speeds and External Static Pressure

Five-stage external static pressure conversions and three fan speed selections are available. Capable of being set to a maximum of 125Pa, units are applicable to a wide range of building types.

### High Energy-Saving Efficiency

Compared to the previous PEA-RP-EAQ (7.1kW-14.0kW) models, PEAD-RP models achieve enhanced energy efficiency through adopting a highly efficient DC fan motor. This contributes to a reduction in electricity consumption.

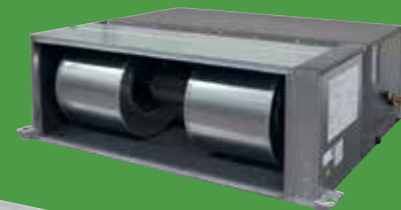
Capacity	Rated EER/COP	Previous PEA-RP	PEAD-RP	
7.1 kW	Rated EER	2.86	3.50	22% UP
	Rated COP	3.35	4.00	19% UP
10.0 kW	Rated EER	3.28	3.61	10% UP
	Rated COP	3.54	4.12	16% UP
12.5 kW	Rated EER	2.95	3.33	13% UP
	Rated COP	3.64	4.00	10% UP
14.0 kW	Rated EER	2.90	3.32	14% UP
	Rated COP	3.74	3.96	6% UP

Specifications: Ceiling-concealed (PEAD)						
Indoor unit	PEAD-RP71JAA		PEAD-RP100JAA		PEAD-RP140JAA	
Outdoor unit	SUZ-KA71VAD		PUHZ-RP100V/YKA2		PUHZ-RP140V/YKA2	
Function	Cooling	Heating	Cooling	Heating	Cooling	Heating
Capacity (min.-max.)	(kW) 7.1 (2.8-8.1)	8.0 (2.6-10.2)	7.1 (3.3-8.1)	8.0 (3.5-10.2)	10.0 (4.9-11.4)	11.2 (4.5-14.0)
Input	(kW) 2.10	2.04	2.03	2.00	2.77	2.72
Rated EER/COP	3.38	3.92	3.50	4.00	3.61	4.12
Rated AEEER/ACOP	3.33	3.86	3.31	3.78	3.34/3.31	3.81/3.78
AEEER/ACOP (part-load %) <sup>1</sup>					3.68/3.63	
Power supply	V: Single-phase, 50Hz, 230V Y: Three-phase, 50Hz, 400V					
Airflow (Lo-Mid-Hi)	CMM	17.5-21-25	24-29-34	29.5-35-42	32-39-46	
	L/S	292-350-417	400-483-567	492-592-700	533-650-767	
External static pressure Pa		35/50/70/100/125				
Sound pressure level	(dB)	30-34-39	33-38-42	36-40-44	40-44-49	
Return air spigot size	(mm)	1,058x210				
Supply air spigot size	(mm)	1,060x178				
Dimensions	Height	250				
	Width	1,100		1,400		1,600
	Depth	732				
Weight	(kg)	29		38		43

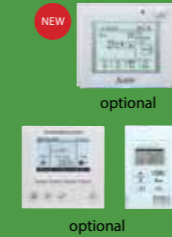
\* MEPS compliant at part load  
 \* SUZ-KA-VAD is potentially demand response capable unit. DRC-101A is required.  
**Sound Pressure Level**  
 - Sound pressure measurements were conducted in an anechoic chamber.  
 - The actual noise level depends on the distance from the unit and the acoustic environment.

# Ceiling-concealed

PEA-RP170/200WJA/250WHA



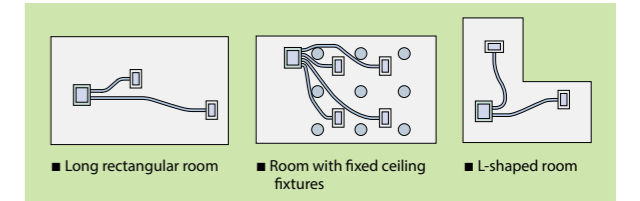
PEA-RP100/125/140GAA



For elegance and style, the PEA series compliments the room environment with aesthetically pleasing ceiling installation and a vast line-up of performance functions.

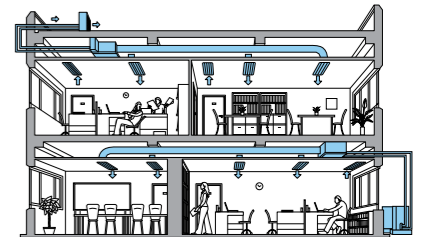
### Freedom in Installation

Versatile and easy installation is possible; for example, it is possible to adjust the distance between the air-intake and air-outlet vents to create the optimal airflow configuration.



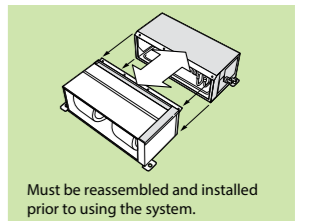
### Flexible Duct Design Enables Use of High-pressure Static Fan

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



### Easier Handling

The new ducted fan coil unit (PEA-RP170/200/250) now has a two-piece construction. This allows separation of the indoor unit heat exchanger and the fan deck assembly for easier handling into the roof space.



### Computerised Dehumidification

The fan speed is controlled electronically in dehumidifying mode, increasing the range and efficiency of dehumidification.

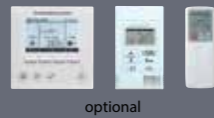
Specifications: Ceiling-concealed (PEA)												
Indoor unit	PEA-RP100GAA		PEA-RP125GAA		PEA-RP140GAA		PEA-RP170WJA		PEA-RP200WJA		PEA-RP250WHA	
Outdoor unit	PUHZ-RP100V/YKA2		PUHZ-RP125V/YKA2		PUHZ-RP140V/YKA2		PUHZ-RP170V/YKA2		PUHZ-RP200V/YKA2		PUHZ-RP250YKM	
Function	Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating
Capacity (min.-max.)	(kW) 10.0 (4.9-11.4)	11.2 (4.5-14.0)	12.5 (5.5-14.0)	14.0 (5.0-16.0)	13.5 (6.2-15.3)	16.0 (5.7-18.0)	16.0 (9.0-20.0)	20.0 (9.5-22.4)	18.9 (9.0-22.4)	22.4 (9.5-25.0)	22.0 (11.2-27.0)	25.0 (12.5-29.0)
Input	(kW) 2.60	2.51	3.97	3.27	4.19	3.90	5.00	6.00	5.92	6.89	6.11	6.89
Rated EER/COP <sup>1</sup>	3.85	4.46	3.15	4.28	3.22	4.10	3.20	3.33	3.19	3.25	3.60	3.62
Rated AEEER/ACOP	3.54/3.51	4.11/4.07	2.98/2.96	4.01/3.98	3.06/3.04	3.88/3.86	3.16/3.11	3.22/3.18	3.04	3.12	3.27	3.37
AEEER/ACOP (part-load %) <sup>2</sup>			3.69/3.63		3.67/3.61				3.71			
Power supply	V: Single-phase, 50Hz, 230V Y: Three-phase, 50Hz, 400V											
Airflow (Lo-Mid-Hi)	CMM	34-42	50Pa: 48-60, 100Pa: 43-54, 150Pa: 41-52				50-61-72			58-71-84		
	L/S	560-700	50Pa: 800-1,000, 100Pa: 716-900, 150Pa: 683-866				833-1,017-1,200			967-1,183-1,400		
External static pressure Pa		50/100/150					60/75/100/150					
Sound pressure level <sup>3</sup>	(dB)	39-42	42-45				38-41-44			40-43-46		
Return air spigot size	(mm)	1,102x330					1,100x420					
Supply air spigot size	(mm)	921x250					1,100x340					
Dimensions	Height	400					470					
	Width	1,400					1,370					
	Depth	634					1,120					
Weight	(kg)	63					108					

\*1 Rated EER/COP for PEA-RP170/200WJA/250WHA are measured at ESP 75 Pa.  
 \*2 MEPS compliant at part load  
 \*3 Sound pressure level for PEA-RP125/140GAA are measured in anechoic chamber at ESP 50 Pa.  
 Sound pressure level for PEA-RP170/200WJA/250WHA are measured in anechoic chamber at ESP 150 Pa.

# Ceiling-suspended



PCA-RP50/60/71/100/125/140KAQ



optional



A stylish indoor unit design and airflow settings for both high- and low-ceiling interiors expand installation possibilities

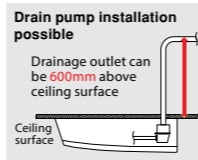
### Stylish Indoor Unit Design

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.



### 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.



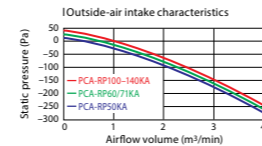
### Equipped with Automatic Air-speed Adjustment

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.



### Fresh Outside-air Intake

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



### Equipped with High- /Low-ceiling Modes

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

Capacity	High ceiling	Standard ceiling	Low ceiling
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

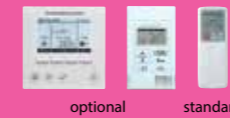
Specifications: Ceiling-suspended (PCA)															
Indoor unit		PCA-RP50KAQ	PCA-RP60KAQ	PCA-RP71KAQ	PCA-RP71KAQ	PCA-RP100KAQ	PCA-RP125KAQ	PCA-RP140KAQ							
Outdoor unit		SUZ-KA50VAD		SUZ-KA60VAD		SUZ-KA71VAD		PUHZ-RP71VHA5		PUHZ-RP100V/YKA2		PUHZ-RP125V/YKA2		PUHZ-RP140V/YKA2	
Function		Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating
Capacity (min.-max.)	(kW)	4.9 (2.3-5.6)	5.5 (1.7-7.2)	5.7 (2.3-6.3)	6.9 (2.5-8.0)	7.1 (2.8-8.1)	7.9 (2.6-10.2)	7.1 (3.3-8.1)	8.0 (3.5-10.2)	10.0 (4.9-11.4)	11.2 (4.5-14.0)	12.0 (5.5-14.0)	14.0 (5.0-16.0)	13.0 (6.2-15.3)	16.0 (5.7-18.0)
Input	(kW)	1.49	1.68	1.67	2.02	2.06	1.96	1.96	2.21	2.63	3.02	3.66	3.88	3.97	4.43
Rated EER/COP		3.29	3.27	3.41	3.42	3.45	4.03	3.62	3.62	3.80	3.71	3.28	3.61	3.27	3.61
Rated AEER/ACOP		3.22	3.22	3.35	3.36	3.39	3.96	3.42	3.44	3.50/3.47	3.46/3.43	3.09/3.07	3.41/3.39	3.10/3.08	3.41/3.39
AEER/ACOP (part-load %)												4.19/4.11		3.91/3.85	
Power supply		V: Single-phase, 50Hz, 230V Y: Three-phase, 50Hz, 400V													
Airflow (Lo-Mid-Hi)	CMM	10-11-13-15		15-16-17-19		16-17-18-20		22-24-26-28		23-25-27-29		24-26-29-32			
	L/S	167-183-217-250		250-267-283-317		267-283-300-333		367-400-433-467		383-417-450-483		400-433-483-533			
Sound pressure level	(dB)	32-34-37-40		33-35-37-40		35-37-39-41		37-39-41-43		39-41-43-45		41-43-45-48			
	Height (mm)					230									
Dimensions	Width (mm)	960		1,280		680				1,600					
	Depth (mm)														
	Weight (kg)	25		32		36		36		38		39			

\* MEPS compliant at part load  
 \* SUZ-KA-VAD is potentially demand response capable unit. DRC-101A is required.  
**Sound Pressure Level**  
 • Sound pressure measurements were conducted in an anechoic chamber.  
 • The actual noise level depends on the distance from the unit and the acoustic environment.

# Wall-mounted



PKA-RP71/100KAL



optional standard



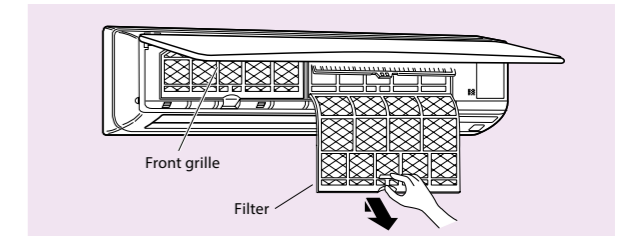
Elegant design and compact dimensions are ideal for offices, stores and residential-use

### Auto-flap Shutter

Closing automatically when the air conditioner is not running creating a flat surface that is aesthetically appealing.

### Quick Clean Grille

The intake grille filter can easily slide out completely, allowing easy cleaning without any special tools making it easy to clean in minutes, washing in water.



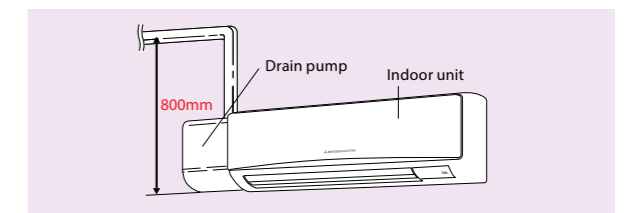
### 4-way Piping Provides More Flexibility in Selecting Installation Sites

### Wired Remote Controller Available (Option)

A separately sold wired remote controller and a terminal block are available to suit various installation sites.

### Drain Pump Option Available with All Models

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



Specifications: Wall-mounted (PKA)					
Indoor unit		PKA-RP71KAL		PKA-RP100KAL	
Outdoor unit		PUHZ-RP71VHA5		PUHZ-RP100V/YKA2	
Function		Cooling	Heating	Cooling	Heating
Capacity (min.-max.)	(kW)	7.1 (3.3-8.1)	8.0 (3.5-10.2)	10.0 (4.9-11.4)	11.2 (4.5-14.0)
Input	(kW)	1.96	2.13	2.90	3.10
Rated EER/COP		3.62	3.76	3.45	3.61
Rated AEER/ACOP		3.42	3.56	3.20/3.17	3.34/3.31
Power supply		V: Single-phase, 50Hz, 230V Y: Three-phase, 50Hz, 400V			
Airflow (Lo-Mid-Hi)	CMM	18-20-22		20-23-26	
	L/S	300-333-367		333-383-433	
Sound pressure level	(dB)	39-42-45		41-45-49	
	Height (mm)			365	
Dimensions	Width (mm)			1,170	
	Depth (mm)			295	
	Weight (kg)			21	

**Sound Pressure Level**  
 • Sound pressure measurements were conducted in an anechoic chamber.  
 • The actual noise level depends on the distance from the unit and the acoustic environment.



**System Controls (SUZ and Mr. Slim Power Inverter only)** Versatile system controls can be realised by using optional parts, relay circuits, control panels, etc.

MAJOR SYSTEM CONTROL				
Indoor Unit	System Examples		Details	Major Optional Parts Required
	S Series & P Series Indoor Unit	P Series Indoor Unit		
Outdoor Unit	S Series Outdoor	P Series Outdoor		
<b>A</b> PAR-31MAA Control PAC-YT52CRA Control			Standard equipment (for indoor units compatible with wired remote controllers)	<ul style="list-style-type: none"> <li>• PAR-31MAA (Wired remote controller)</li> <li>• PAC-YT52CRA (Wired remote controller)</li> </ul>
<b>B</b> System Group Control			<ul style="list-style-type: none"> <li>• One remote controller can control plural air conditioners with the same settings simultaneously.</li> <li>• One remote controller can control up to 16 refrigerant systems.</li> <li>• Up to two remote controller can be connected.</li> </ul>	<S Series Outdoor Unit> <ul style="list-style-type: none"> <li>• MAC-397IF-E/MAC-333IF-E (Interface)</li> <li>• PAR-31MAA (Wired remote controller)</li> <li>• PAC-YT52CRA (Wired remote controller)</li> </ul> <P Series Outdoor Unit> <ul style="list-style-type: none"> <li>• PAR-31MAA (Wired remote controller)</li> </ul>
<b>C</b> M-NET Connections			<ul style="list-style-type: none"> <li>• Group of air conditioners can be controlled by MELANS system controller (M-NET).</li> </ul>	<S Series Outdoor Unit> <ul style="list-style-type: none"> <li>• MAC-333IF-E</li> <li>• MELANS System controller</li> </ul> <P Series Outdoor Unit> <ul style="list-style-type: none"> <li>• PAC-SF83MA-E (M-NET converter)</li> <li>• MELANS System controller</li> </ul>

### FOR P SERIES AND S SERIES INDOOR UNITS

	System Examples		Details	Major Optional Parts Required
	Wired remote controller	Wireless remote controller		
<b>A</b> 2-remote Controller Control With two remote controllers, control can be performed locally and remotely from two locations.			<ul style="list-style-type: none"> <li>• Up to two remote controllers can be connected to one group.</li> <li>• Both wired and wireless remote controllers can be used in combination.</li> </ul>	<ul style="list-style-type: none"> <li>• Wired Remote Controller PAR-31MAA PAC-YT52CRA (for PKA, PAC-SH29TC-E is required)</li> <li>• Wireless Remote Controller PAR-SL97A-E (for SEZ and PLA-RP)</li> <li>• Wireless Remote Controller Kit for PCA PAR-SL94B-E</li> </ul>
<b>B</b> Operation Control by Level Signal Air conditioner can be started/stopped remotely. In addition, On/Off operation by local remote controller can be prohibited/permitted.			<ul style="list-style-type: none"> <li>• Operation other than On/Off (e.g., adjustment of temperature, fan speed, and airflow) can be performed even when remote controller operation is prohibited.</li> <li>• Timer control is possible with an external timer.</li> </ul>	<ul style="list-style-type: none"> <li>• Adapter for remote On/Off PAC-SE55RA-E</li> <li>• Relay box (to be purchased locally)</li> <li>• Remote control panel (to be purchased locally)</li> </ul>
<b>C</b> Operation Control by Pulse Signal			<ul style="list-style-type: none"> <li>• The pulse signal can be turned On/Off.</li> <li>• Operation/emergency signal can be received at a remote location.</li> </ul>	<ul style="list-style-type: none"> <li>• Connector cable for remote display PAC-SA88HA-E / PAC-725AD (10 pcs. x PAC-SA88HA-E)</li> <li>• Relay box (to be purchased locally)</li> <li>• Remote control panel (to be purchased locally)</li> </ul>
<b>D</b> Remote Display of Operating Status Operating status can be displayed at a remote location.			<ul style="list-style-type: none"> <li>• Operation/emergency signal can be received at a remote location (when channeled through the PAC-SF40RM no-voltage signal, when channeled through the PAC-SA88HA-E DG 12V signal).</li> </ul>	<ul style="list-style-type: none"> <li>• Remote display panel (to be purchased locally)</li> <li>• Connector cable for remote display PAC-SA88HA-E / PAC-725AD (10 pcs. x PAC-SA88HA-E)</li> <li>• Relay box (to be purchased locally)</li> <li>• Remote operation adapter PAC-SF40RM</li> <li>*Unable to use with wireless remote controller</li> </ul>
<b>E</b> Timer Operation Allows On/Off operation with timer *For control by an external timer, refer to B Operation Control by Level Signal.			<ul style="list-style-type: none"> <li>• Weekly Timer: On/Off and up to 8 pattern temperatures can be set for each calendar day. (Initial setting)</li> <li>• On/Off Timer: On/Off can be set once each within 72hr. in intervals of 5-minute units.</li> <li>• Auto-off Timer: Operation will be switched off after a certain time elapse. Set time can be changed from 30 min. to 4 hr. at 10 min. intervals.</li> </ul> *Simple Timer and Auto-off Timer cannot be used at the same time.	Standard functions of PAR-31MAA

### Specification: Outdoor Unit

Outdoor unit					
	SUZ-KA25VAD	SUZ-KA35VAD	SUZ-KA50VAD	SUZ-KA60VAD	SUZ-KA71VAD
External finish	Munsell 3.0Y 7.8/1.1				
Power supply	Single-phase, 50Hz, 230V				
Compressor output (kW)	0.55	0.65	0.9	0.9	1.2
Airflow (cooling/heating) CMM (L/S)	34 (568)/32 (534)	33 (551)	49 (817)	58 (960)/49 (816)	57 (950)/48 (800)
Sound pressure level (dB)	Cooling mode	46	47	53	55
	Heating mode	46	48	55	55
Sound level (dB)	59	61	68		69
Dimensions	Height (mm)	550		850	880
	Width (mm)	800		840	840
	Depth (mm)	285		330	330
Weight (kg)	30	33	53	50	53
Chargeless piping length (m)	7				
Max. piping length (m)	20			30	
Breaker size (A)	10			20	

\*Above specifications are for outdoor units only.

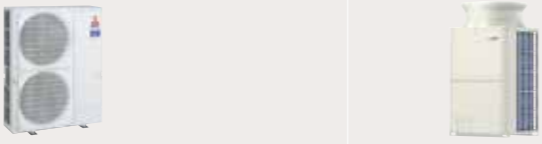
Outdoor unit					
	PUHZ-RP71VHA5	PUHZ-RP100V/YKA2	PUHZ-RP125V/YKA2	PUHZ-RP140V/YKA2	
External finish	Munsell 3.0Y 7.8/1.1				
Power supply	V: Single-phase, 50Hz, 230V Y: Three-phase, 50Hz, 400V				
Compressor output (kW)	1.6	1.9	2.4	2.9	
Airflow (cooling/heating) CMM (L/S)	60 (1,000)	110 (1,830)	120 (2,000)		
Sound pressure level (dB)	Cooling mode	47	49	50	50
	Silent mode	44	46	47	47
	Heating mode	48	51	52	52
Sound level (dB)	66	69	70	70	
Dimensions	Height (mm)	943		1,338	
	Width (mm)	950		1,050	
	Depth (mm)	330		330	
Weight (kg)	67	V: 118 Y: 119		V: 120 Y: 121	
Chargeless piping length (m)	30			30	
Max. piping length (m)	50			75	
Protection device	Discharge thermo, HP switch				
Rated running current (cooling/heating) (A)	9.05/9.64	V: 12.64/13.58 Y: 4.42/4.75	V: 16.36/16.90 Y: 5.73/5.91	V: 17.17/19.23 Y: 6.01/6.73	
Breaker size (A)	25		V: 32 Y: 16		

\*Above specifications are for outdoor units only.

### Sound Pressure Level

- Sound pressure measurements were conducted in an anechoic chamber.
- The actual noise level depends on the distance from the unit and the acoustic environment.

**Specifications: Outdoor Unit**

Outdoor unit				
		PUHZ-RP170V/YKA2	PUHZ-RP200YKA2	PUHZ-RP250YKM
External finish		Munsell 3.0Y 7.8/1.1	Munsell 3.0Y 7.8/1.1	Munsell 5.0Y 8.0/1.0 or Similar
Power supply		V: Single-phase, 50Hz, 230V Y: Three-phase, 50Hz, 400V		
Compressor output	(kW)	3.0	3.6	6.9
Airflow (cooling/heating)	CMM (L/S)	140 (2,330)	140 (2,330)	175 (2,917)
Sound pressure level (dB)	Cooling mode	58	58	58
	Silent mode	56	56	48
	Heating mode	59	59	58
Sound level	(dB)	76	76	78
Dimensions	Height	(mm) 1,338	1,338	1,650
	Width	(mm) 1,050	1,050	920
	Depth	(mm) 330	330	740
Weight	(kg)	V: 127 Y: 131	136	199
Chargeless piping length	(m)	30	30	0
Max. piping length	(m)	75	75	75
Protection device		Discharge thermo, HP switch		
Rated running current (cooling/heating)	(A)	V: 19.4/23.9 Y: 6.8/8.3	8.2/9.7	9.7/11.0
Breaker size	(A)	V: 40 Y: 32	32	32

\*Above specifications are for outdoor units only.

**Notes for All Specifications**

Rating conditions (AS/NZS 3823)  
 Cooling - Indoor: 27°C (80°F) DB, 19°C (66°F) WB  
 Outdoor: 35°C (95°F) DB  
 Heating - Indoor: 20°C (68°F) DB  
 Outdoor: 7°C (45°F) DB, 6°C (43°F) WB  
 Refrigerant piping length (one-way): 5m (16ft.)  
 \* For PUHZ-RP250YKM: 7.5m (24ft.)

Total input based on the indicated voltage (indoor/outdoor)

	Indoor	Outdoor
50Hz	Single-phase, 230V	Single-phase, 230V/Three-phase, 400V

**Guaranteed Operating Range**

		SUZ-KA			PUHZ	
		25/35	50	60/71	71/100/125/140/170/200	250
Cooling	Upper limit (DB)	46°C	43°C	46°C	46°C	46°C
	Lower limit (DB)	-10°C	-15°C	-15°C	-5°C (-15°C*)	-5°C
Heating	Upper limit (DB)	24°C	24°C	24°C	21°C	15.5°C (WB)
	Lower limit (DB)	-15°C	-15°C	-15°C	-20°C	-20°C (WB)

\* With the optional air protection guide, the operation at -15°C outdoor temperature is possible.

**Sound Pressure Level**

- Sound pressure measurements were conducted in an anechoic chamber.
- The actual noise level depends on the distance from the unit and the acoustic environment.

**Optional Parts**

Part name	Model name	Application name
Air discharge guide	PAC-SG59SG-E	PUHZ-RP71
	PAC-SH96SG-E	PUHZ-RP100/125/140/170/200
Air outlet shutter plate	PAC-SH51SP-E	PLA-RP
Air protection guide	PAC-SH63AG-E	PUHZ-RP71
	PAC-SH95AG-E	PUHZ-RP100/125/140/170/200
Control/service tool	PAC-SK52ST	PUHZ-RP71/100/125/140/170/200
Centralized drain pan	PAC-SG64DP-E	PUHZ-RP71
	PAC-SH97DP-E	PUHZ-RP100/125/140/170/200
Drain pump	PAC-SH94DM-E	PKA-RP
	PAC-SH83DM-E	PCA-RP50KAQ
	PAC-SH84DM-E	PCA-RP71/100/125/140KAQ
	PAC-SH85DM-E	PCA-RP60KAQ
Drain socket	PAC-SG61DS-E	PUHZ-RP71/100/125/140/170/200
Flange for fresh-air intake	PAC-SH65OF-E	PLA-RP
Liquid refrigerant dryer for pipe ø9.52	PAC-SG82DR-E	PUHZ-RP
Wi-Fi interface	MAC-558IF-E	All indoor units (excluding PEA-RP250WHA)
MA & Contact terminal interface	MAC-397IF-E	SLZ-KA, SEZ-KD, PLA-RP60/71** PEAD-RP71**, PCA-RP50/60/71**
M-NET interface	MAC-399IF-E	SLZ-KA, SEZ-KD, PLA-RP60/71** PEAD-RP71**, PCA-RP50/60/71**
M-NET & Terminal interface	MAC-333IF-E	SLZ-KA, SEZ-KD, PLA-RP60/71** PEAD-RP71**, PCA-RP50/60/71**
Wireless remote controller	PAR-FL32MA-E	PEAD-RP, PEA-RP
Wireless remote controller signal sender	PAR-SL97A-E	SEZ-KD, PLA-RP
Wireless remote controller signal receiver	PAR-SA9CA-E	SEZ-KD, PEAD-RP, PEA-RP
	PAR-SA9FA-E	PLA-RP
High efficiency filter	PAC-SH88KF-E	PCA-RP50KAQ
	PAC-SH89KF-E	PCA-RP60/71KAQ
	PAC-SH90KF-E	PCA-RP100/125/140KAQ
High efficiency filter element	PAC-SH59KF-E	PLA-RP

Part name	Model name	Application name	
Filter box	PAC-KE93TB-E	PEAD-RP71	
	PAC-KE94TB-E	PEAD-RP100/125	
	PAC-KE95TB-E	PEAD-RP140	
i-see sensor corner panel	PAC-SA1ME-E	PLA-RP	
Shutter plate	PAC-SH51SP-E	PLA-RP	
Joint pipe	9.52' →2.7	PAC-SG73RJ-E	PUHZ-RP71/100/125/140/170/200
	15.88 →19.05	PAC-SG75RJ-E	PUHZ-RP71/100/125/140
M-NET converter	PAC-SF83MA-E	PUHZ-RP71/100/125/140/170/200	
Multi-function casement	PAC-SH53TM-E	PLA-RP	
Power supply terminal kit	PAC-SG94HR-E	PKA-RP	
	PAC-SG96HR-E	PCA-RP50/60/71/100/125/140KAQ	
	PAC-SG97HR-E	PEAD-RP, PEA-RP	
	PAC-SH52HR-E	PLA-RP	
Remote On/Off adaptor	PAC-SE55RA-E	All indoor units	
Remote operation adaptor	PAC-SF40RM-E	All indoor units*2 (excluding PKA-RP)	
Remote sensor	PAC-SE41TS-E	All indoor units (excluding PEA-RP-GAA)	
Space panel	PAC-SH48AS-E	PLA-RP	
Terminal block	PAC-SH29TC-E	PKA-RP for wired remote controller	
Connector cable for remote display	PAC-SA88HA-E	All indoor units	
Wired remote controller	PAR-31MAA	All indoor units (excluding SLZ-VAL and SEZ-VAL)	
	PAC-YT52CRA	All indoor units (excluding SLZ-VAL and SEZ-VAL)	
Zone controller (Interface & remote controller)	PAC-ZC40H-E	PEAD-RP, PEA-RP	
	PAC-ZC80H-E		
	PAC-ZC40L-E		
	PAC-ZC80L-E		
Zone remote controller	PAC-ZC01M-E	PEAD-RP, PEA-RP	
Wireless remote controller kit (Sender & Receiver)	PAR-SL94B-E	PCA-RP	
Power supply unit	PAC-SC50KUA	All outdoor units	
Multiple remote controller adaptor	PAC-725AD	All indoor units	
Interface for DRED	DRC-101A	SUZ-KA-VAD	

\*1 P series indoor units can be used in combination with SUZ outdoor units.  
 \*2 Unable to use with wireless remote controller

**Refrigerant Piping**

Capacity	Between indoor & outdoor units		Pipe size OD (mm)	Thickness (mm)
	Max. height difference (m)	Max. piping length (m)		
SUZ-KA25	12	20	Liquid: ø6.35	t 0.8
			Gas: ø9.52	t 0.8
SUZ-KA35	12	20	Liquid: ø6.35	t 0.8
			Gas: ø9.52	t 0.8
SUZ-KA50	30	30	Liquid: ø6.35	t 0.8
			Gas: ø12.7	t 0.8
SUZ-KA60	30	30	Liquid: ø6.35	t 0.8
			Gas: ø15.88	t 1.0
SUZ-KA71	30	30	Liquid: ø9.52	t 0.8
			Gas: ø15.88	t 1.0
PUHZ-RP71	30	50	Liquid: ø9.52	t 0.8
			Gas: ø15.88	t 1.0
PUHZ-RP100/125/140	30	75	Liquid: ø9.52	t 0.8
			Gas: ø15.88	t 1.0
PUHZ-RP170/200	30	75	Liquid: ø9.52	t 0.8
			Gas: ø25.4	t 1.0
PUHZ-RP250	30	75	Liquid: ø9.52	t 0.8
			Gas: ø22.2	t 1.0

**Amount of Necessary Refrigerant (R410A: kg)**

Piping length	Factory charged	Additional charged					Calculation
	7m	10m	15m	20m	25m	30m	
SUZ-KA25	0.8	0.15	0.3	0.45	—	—	Xg=30g/m×(length-5)m
SUZ-KA35	1.05	0.15	0.3	0.45	—	—	
SUZ-KA50	1.6	0.06	0.16	0.26	0.36	0.46	Xg=20g/m×(length-7)m
SUZ-KA60	1.8	0.06	0.16	0.26	0.36	0.46	
SUZ-KA71	1.8	0.165	0.44	0.715	0.99	1.265	Xg=55g/m×(length-7)m

Piping length	Factory charged	Additional charged			
	10 - 30m	31 - 40m	41 - 50m	51 - 60m	61 - 75m
PUHZ-RP71	3.5	0.6	1.2	—	—
PUHZ-RP100/125/140	5.5	0.6	1.2	1.8	2.4

Piping length	Factory charged	Additional charged			
	10 - 30m	31 - 40m	41 - 50m	51 - 60m	61 - 70m
PUHZ-RP170/200	7.7	0.9	1.8	2.7	3.6

**In the Case of PUHZ-RP250YKM**

Calculation of additional refrigerant charge

- Calculate the amount of additional charge based on the length of the piping extension and the size of the refrigerant line.
- Use the table below as a guide to calculating the amount of additional charging and charge the system accordingly.
- If the calculation results in a fraction of less than 0.1 kg, round up to the next 0.1 kg.  
For example, if the result of the calculation was 11.38 kg, round the result up to 11.4 kg.

<Additional Charge>

Additional refrigerant charge	=	Liquid pipe size Total length of ø9.52×0.06	+ 3.0 kg
(kg)		(m)×0.06 (kg/m)	

Factory Charge: 9 kg

**⚠ NOTICE**

- \* Air conditioners in this brochure contain and operate with refrigerant R410A and synthetic oils. Before attempting any installation work you must read the installation instructions. New tools, materials and procedures are required to install these products. Under Australian Law, only persons suitably licensed are permitted to install and service air conditioning units. The buyer must ensure that the person and/or company who is install, service or repair the air conditioner has the necessary licences, qualifications and experience to perform the work. Suitable access for warranty and service is required. Refer to conditions of warranty on the Mitsubishi Electric website. For future improvement, specifications, designs of product and availability are subject to change without notice. Refer to Country, Commonwealth, State or Territory legislation, regulations and industry codes of practice, before installation of these products. Recovery and disposal of waste material must comply with Country, Commonwealth, State or Territory guidelines.
- \* Do not install indoor units in areas (e.g., mobile phone base stations) where the emission of VOCs such as phthalate compounds and formaldehyde is known to be high as this may result in a chemical reaction.
- \* When installing or relocating or servicing the air conditioners, use only the specified refrigerant (R410A) to charge the refrigerant lines. Do not mix it with any other refrigerant and do not allow air to remain in the lines. If air is mixed with the refrigerant, then it can be the cause of abnormal high pressure in the refrigerant lines, and may result in an explosion and other hazards. The use of any refrigerant other than that specified for the system will cause mechanical failure or system malfunction or unit breakdown. In the worst case, this may lead to a serious impediment to securing product safety.
- \* Specifications, designs and other content appearing in this brochure are current as at January 2015 and are subject to change without notice. Diagrams are representations for illustrative purposes only.

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