



# Multi Split Systems

MXZ & PUMY Series





## Changes for the Better

Mitsubishi Electric has been an integral part of Australian households for more than 40 years, providing high-quality, innovative products.

We pride ourselves on understanding Australian households and delivering products tailored to meet their needs.

MITSUBISHI ELECTRIC  
**#worksforME**



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# Why Choose Mitsubishi Electric?

Whether it is consistent heating or cooling for the home or office, Mitsubishi Electric offers you state-of-the-art technology that is quiet, simple to use, energy efficient, and above all, reliable.

## Quality & Reliability

When it comes to comfort, efficiency and durability, Mitsubishi Electric is distinctive, and in a very good way. We call it MEQ — Mitsubishi Electric Quality. The MEQ standard results in product tested in accordance with the Mitsubishi Electric standard, it's simply a different standard of testing. Every Mitsubishi Electric air conditioner for each production line, is placed on a testing rig and undergoes a variety of stringent tests before leaving the factory.

## Flexible Choice

Mitsubishi Electric air conditioners range from wall mounted, floor standing, ceiling concealed, ceiling cassettes to ceiling suspended units; offering end-users flexibility, with a wide range of options to satisfy most application requirements.

## After Sales Service & Spare Parts

We pride ourselves on our local after sales support, including in-house technical support and spare parts support.

## Peace of Mind

Mitsubishi Electric air conditioners deliver reliable performance year in, year out. When used in residential applications, Mitsubishi Electric air conditioners are covered by a full 5 year parts and labour warranty.



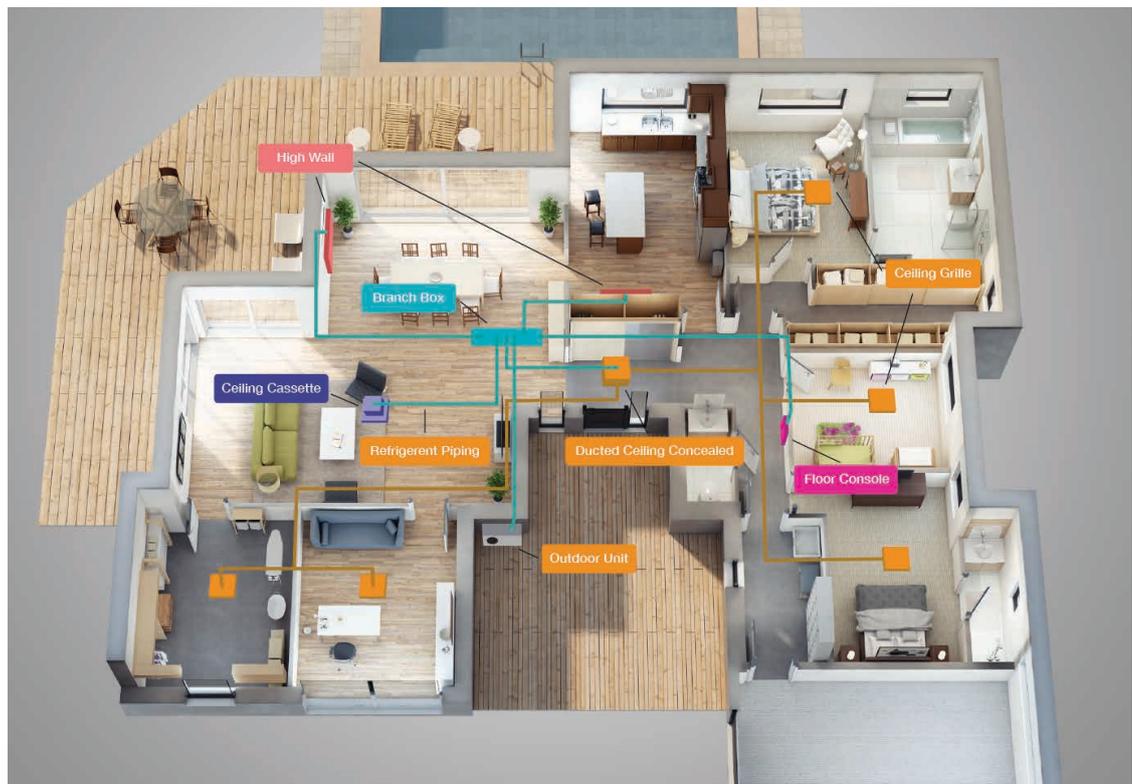
# Why Multi Split?

## The Total Home Solution

The ideal cooling/heating solution for each room with just a single outdoor unit.

A Multi Split System gives you the freedom to select the indoor model best suited to each room in your home and caters to your comfort without cluttering the exterior. Enhancing aesthetics by reducing the number of outdoor units required.

With Mitsubishi Electric Air Conditioning Technology, you also get the benefit of enhanced efficiency and energy savings.



\*Illustration for product combinations and positioning ideas only.

- ✓ Only one outdoor unit
- ✓ Choose from High Walls, Floor Consoles, Ducted or Cassettes
- ✓ Energy efficient
- ✓ From 2 to 8 room solutions
- ✓ Optional Wi-Fi Control
- ✓ Optional Zone Control (Ducted indoors only)

# Benefits of Multi Split

## Style for Each and Every Room

A Multi Split System is the perfect addition to any home, giving home owners the opportunity to select multiple indoor air conditioner models, with a different model in each room. The ability to incorporate a range of models within a single Multi Split System, ensures that the functional and aesthetic requirements of each room can be fulfilled. With a Multi Split System you have the flexibility of selecting a compact bulkhead unit for the kitchen, a ceiling cassette unit for the lounge room and a floor standing unit in the office. The flexibility of the Multi Split System is sure to enhance the functionality of your home, as well as its aesthetic appeal.

## Individual Temperature Control for Each Room

The capability of a Multi Split System lies in the capacity to individually control the temperature of all air conditioner units, even if a combination of different models have been used. Individual air conditioner control allows occupants in different rooms to select a temperature (within the same mode) that suits their needs, without affecting the temperature settings in other rooms. The capacity to individually control each air conditioner unit may also result in savings on your electricity bill, with the ability to turn a single air conditioner unit off when it isn't required.

## Quiet Operation for Peaceful Comfort

Thanks to a clever Silent Mode feature, Multi Split Systems are able to operate whilst keeping noise to the minimum. Whilst in operation, the sound levels of outdoor units can remain as low as 46dBA\*, which will greatly please both you and your neighbours.

\*MXZ-2F52VGD-A1 / MXZ-3F54VGD-A1 in cooling mode. Measured in an Anechoic chamber.

## Keep Your Exterior Clutter-Free

Multi Split Systems are conveniently designed to keep the exterior of your home clutter-free, with the ability to connect multiple (2-8) indoor air conditioning units to a single outdoor unit. Gone are the days where an outdoor unit is required for every indoor unit. With a Multi Split System, you can air condition two to eight rooms with a single outdoor unit, which not only keeps the exterior of your home clutter-free, but also keeps noise to the minimum.

## Future-Proof & Add Units as Your Family Grows

As your circumstances evolve, your air conditioning needs may also change. A large benefit of installing a Multi Split System is that additional air conditioner units can easily be added in the future, without having to install additional outdoor units. For instance, a five room Multi Split System may be installed, with only three rooms connected initially. Two more rooms may then be connected in the future, to the existing outdoor unit. Therefore, Multi Split Systems are future-proof, allowing you to plan for present circumstances, but also allow for changes to occur in the future.

\*Rated capacity of indoor units varies based on connected combination of indoor units and outdoor unit.

\*Room sizes are only indicative. Air conditioning systems must be sized for a room as per the heat load calculation.



# Technology

## Outdoor Units

With Mitsubishi Electric Multi Split Systems, climate control is available at the touch of a button. Our units are ideal for multiple room applications and can incorporate zone control ducted indoor units for complete control where cool or warm air is moved quietly throughout the home through diffusers positioned in the ceiling, wall or floor.

## Scroll Compressor

Compressors can be described as the heart of an air conditioner, that pump the refrigerant around the system which heat or cools your home. Mitsubishi Electric utilises DC scroll compressors with the addition of a frame compliance mechanism, this technology reduces the internal friction of the compressor which increases its overall efficiency.

## Inverter Technology

While the compressor is the heart of the system, the Inverter is the brain of the system. An inverter receives information from sensors monitoring operating conditions and adjusts the frequency of the compressor to control the refrigerant flow rate thereby consuming less current and power. Mitsubishi Electric inverters ensures high performance and maximum comfort is achieved while maintaining energy efficiency.

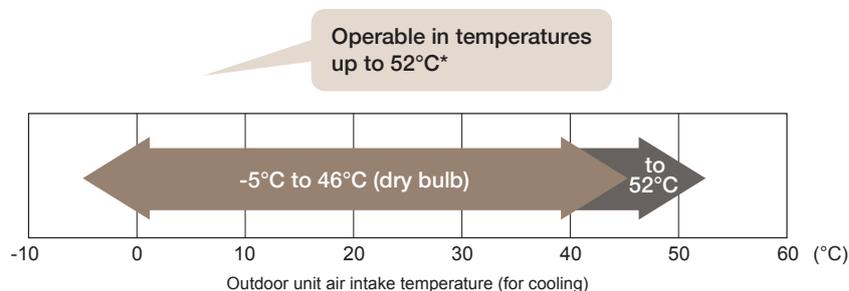
## Pipe Re-Use Technology

Mitsubishi Electric's clean free piping re-use technology allows the re-use of existing refrigerant pipe\* which may reduce the installation costs by eliminating the need to replace existing pipework. The system is fitted with a "wide strainer" which captures iron particles and prevent them from circulating around the system.

\*This feature is available on all MXZ and PUMY Series. Please contact your local dealer for details.

## Guaranteed Operating Range

With the harsh Australian environment it is comforting to know your air conditioner will continue to operate with a guaranteed operating range of  $-5^{\circ}\text{C}$  to  $46^{\circ}\text{C}/52^{\circ}\text{C}^*$ . This means your air conditioner will continue to operate when you need it most.



\* $46^{\circ}\text{C}$  MXZ Series and  $52^{\circ}\text{C}$  PUMY Series.

\*Results achieved based on MEPS testing standards.

## Demand Response Capable

Based on connection of a demand response enabling device (DRED), Demand Response Mode is activated in response to signals sent from the electric power company at times when it is necessary to reduce peak demand. Based on AS/NZS 4755.3.1:2014 (excludes MXZ-2F52VF).

# Indoor Units

## MSZ-LN Series

- ✔ Built-In Wi-Fi
- ✔ Dual Split Vane Technology
- ✔ 3D i-See Sensor
- ✔ Plasma Quadcore Filter
- ✔ Quiet 19dB Noise Level (LN25)

2.2kW	2.5kW	3.5kW	4.2kW	5.0kW	6.0kW	7.1kW	8.0kW
-	✔	✔	-	✔	-	-	-



## MSZ-EF Series

- ✔ Built-In Weekly Timer
- ✔ Nano Platinum Filter
- ✔ Wi-Fi Control\*
- ✔ Quiet 21dB Noise Level in 'Quiet Mode' (EF22/25/35)
- ✔ Appealing design matches any room décor

2.2kW	2.5kW	3.5kW	4.2kW	5.0kW	6.0kW	7.1kW	8.0kW
✔	✔	✔	✔	✔	-	-	-



## MSZ-AP Series

- ✔ Dual Barrier Coating
- ✔ Vertical & Horizontal Vanes
- ✔ Wi-Fi Control\*
- ✔ Quiet 18dB Noise Level (AP25 in heating mode)
- ✔ Anti-Allergy Enzyme Filter (Optional)

1.5kW	2.0kW	2.2kW	2.5kW	3.5kW	4.2kW	5.0kW	6.0kW	7.1kW	8.0kW
✔	✔	✔	✔	✔	✔	✔	✔	✔	✔



## MSZ-GE Series

- ✔ Catechin Filter (GE22-50)
- ✔ Quick Clean body
- ✔ Wi-Fi Control\*
- ✔ Quiet 19dB Noise Level (GE22/25/35)
- ✔ Nano Platinum Filter (GE60/71/80)
- ✔ Built-In Weekly Timer (GE60/71/80)

2.2kW	2.5kW	3.5kW	4.2kW	5.0kW	6.0kW	7.1kW	8.0kW
✔	✔	✔	✔	✔	✔	✔	✔



## MFXZ-KW Series

- ✔ Simple & Flat Design
- ✔ Nano Platinum Filter
- ✔ Wi-Fi Control\*
- ✔ Multi-Flow Vane (Optimum Air Distribution)
- ✔ Built-In Weekly Timer
- ✔ Built-In Installation Capability

2.2kW	2.5kW	3.5kW	4.2kW	5.0kW	6.0kW	7.1kW	8.0kW
-	✔	✔	-	✔	-	-	-



\*Optional upgrade adapter required per unit.

## SLZ-M Series

- ✓ Fresh-Air Intake
- ✓ Unit height of only 235mm
- ✓ 3D i-See Sensor (Optional)
- ✓ Compact 2ft x 2ft size for ceiling installation
- ✓ Wi-Fi Control\*

2.2kW	2.5kW	3.5kW	4.2kW	5.0kW	6.0kW	7.1kW	8.0kW
-	✓	✓	-	✓	-	-	-



## PLA-M Series

- ✓ 72 Airflow Patterns
- ✓ Fresh-Air Intake
- ✓ High/Low Ceiling Modes
- ✓ 3D i-See Sensor (Optional)
- ✓ Wi-Fi Control\*

2.2kW	2.5kW	3.5kW	4.2kW	5.0kW	6.0kW	7.1kW	8.0kW
-	-	-	-	-	✓	✓	-



## MLZ-KP Series

- ✓ Slim Body
- ✓ Horizontal Airflow
- ✓ Auto Vane Control
- ✓ Multi-Flow Vane (Optimum Air Distribution)
- ✓ Wi-Fi Control\*
- ✓ Built-In Weekly Timer

2.2kW	2.5kW	3.5kW	4.2kW	5.0kW	6.0kW	7.1kW	8.0kW
-	✓	✓	-	✓	-	-	-



## PCA-M Series

- ✓ Stylish Unit Design
- ✓ 32dB Noise Level (M50)
- ✓ High/Low Ceiling Modes
- ✓ Fresh-Air Intake
- ✓ Wi-Fi Control\*

2.2kW	2.5kW	3.5kW	4.2kW	5.0kW	6.0kW	7.1kW	10.0kW
-	-	-	-	✓	✓	✓	✓



## SEZ-M Series

- ✓ Compact Design
- ✓ Wi-Fi Control\*
- ✓ Unit height of only 200mm
- ✓ Three fan speeds and four static pressure levels

2.2kW	2.5kW	3.5kW	4.2kW	5.0kW	6.0kW	7.1kW	8.0kW
-	✓	✓	-	✓	✓	✓	-



## PEAD-M Series

- ✓ Compact Design
- ✓ Lighter Weight
- ✓ Wi-Fi Control\*
- ✓ 30dB Noise Level in 'Low Mode' (71)

2.2kW	2.5kW	3.5kW	4.2kW	5.0kW	6.0kW	7.1kW	10.0kW
-	-	-	-	✓	✓	✓	✓



\*Optional upgrade adapter required per unit.

# Indoor Units



## LN Series

- Capacity Range: 2.5/3.5/5.0kW.
- Unit Dimensions: 890 (w) x 233 (d) x 307mm (h).
- Colour: Pearl White, Ruby Red and Onyx Black.
- 3D i-See Sensor.
- Vertical & Horizontal Swing.
- Direct/Indirect Airflow.

The LN Series is a wall mounted system that blends energy efficiency with a sleek and ultra modern design. The stylish design is available with a range of deep, rich colours like pearl white, ruby red and onyx black, resulting in a premium quality feel.

### Plasma Quad Plus Filter

An advanced, multi-stage filter system designed to effectively reduce common allergens and bacteria and influenza virus ensuring the circulation of fresh, clean air back into the room.

### Dual Split Vane Technology

The unique dual split vane design allows airflow to be customised to suit different areas of the room, by independently directing air up, down, left and right.

### Built-In Wi-Fi\* Control

Unlock the door to smarter heating and cooling, for total home comfort. View and control your air conditioner from anywhere in the world, set up schedules and get true two-way feedback.

\*1 Requires an internet connection and the App downloaded on your smart phone or tablet with the latest operation system available.





## EF Series

- Capacity Range: 2.2/2.5/3.5/4.2/5.0kW.
- Unit Dimensions: 895 (w) x 195 (d) x 299mm (h).
- Colour: Natural White, Matte Silver and Glossy Black.

The streamlined wall mounted indoor units have contemporary clean lines, expressing sophistication and quality. Available in 3 stylish colours natural white, matte silver and glossy black to provide the best match scenario for diverse interior designs.

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### Quiet Operation

The “Quiet” fan speed setting ensures super quiet operation below 21dB\*. Perfect for the bedroom; it's so quiet you'll check to see if it's on.

\*Model 25/35 only.

### Nano Platinum Filter

The Nano Platinum Deodorising Filter reduces airborne bacteria while improving air quality. The optional Electro Static Anti-Allergy Enzyme Filter assists in the reduction of common allergens.



## AP Series

- Capacity Range: 1.5/2.0/2.2/2.5/3.5/4.2/5.0/6.0/7.1/8.0kW\*.
- Unit Dimensions:  
760 (w) x 178 (d) x 250mm (h) (AP15-20).  
798 (w) x 219 (d) x 299mm (h) (AP22-50).  
1,100 (w) x 257 (d) x 325mm (h) (AP60-80).
- Colour: Natural White.
- 7 vane and 7 louver selectable from the remote.

\*6.0 - 8.0kW for connections to MXZ Series only.

The MSZ-AP Series is engineered for high performance and lower operating noise levels. It also features a streamlined design to blend in with decor.

### Quiet Operation

A "Quiet Mode" setting has been added to the fan speed settings, ensuring super quiet operation below 18dB\*. Perfect for the bedroom; it's so quiet you'll check to see if it's on.

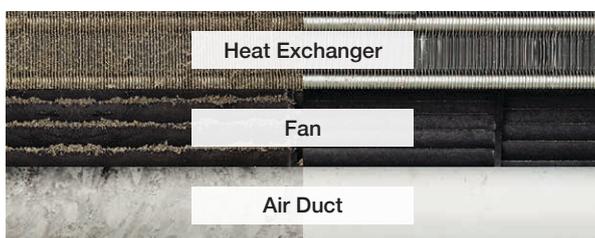
\*Model 25 in heating mode only.

### Vertical & Horizontal Vanes

Vertical and horizontal vanes are double the size of the previous model, allowing the airflow direction to be adjusted and improving airflow control effectively. These functions can be activated at the touch of a button on your remote controller.

### Dual Barrier Coating

Dual Barrier Coating reduces dust and greasy dirt from collecting in the air conditioner. Image shows a simulated comparison of dirt over 10 years, with and without Dual Barrier Coating.



Without

With



## GE Series

- Capacity Range: 2.2/2.5/3.5/4.2/5.0/6.0/7.1/8.0kW.
- Unit Dimensions:  
798 (w) x 232 (d) x 295mm (h) (GE22-50).  
1,100 (w) x 238 (d) x 325mm (h) (GE60-80).
- Colour: Pure White.
- Quiet Operation 19dB (25/35)\*.

\*Only available for connections to PUMY Series.

The MSZ-GE units provide excellent efficiency and has a vast line-up which is ready to ensure comfortable room environments in response to your air conditioning needs.

### i-Save Mode

"i-Save" is a simplified setting function that recalls the preferred (preset) temperature by pressing a single button on the remote controller. Press the same button twice to immediately return to the previous temperature setting. Using this function contributes to energy savings.

### Nano Platinum Filter

The Nano Platinum Deodorising Filter reduces airborne bacteria while improving air quality. The optional Electro Static Anti-Allergy Enzyme Filter assists in the reduction of common allergens.

\*Only available on 60/71/80 models.



## MFXZ-KW Series

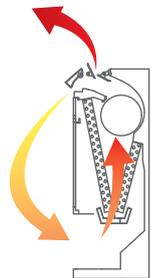
### Floor Standing Unit

- Capacity Range: 2.5/3.5/5.0kW.
- Unit Dimensions: 750 (w) x 215 (d) x 600mm (h).
- Colour: Pure White.
- Quiet Operation (models 25/35).
- 19dB Heating (models 25/35).

High capacity, simple, flat design in harmony with living spaces maintains the stylish interior design while providing comfort.

### Slim, Sophisticated Design

Floor consoles feature a contemporary sleek design with linear beauty, harmonised with all types of interiors.



### Rapid Heating Technology

KW Series ensures the perfect room temperature is reached faster with Rapid Heating Technology. Warm air is blown out in a downward direction and then sucked back into the unit to quickly raise the temperature of the air being blown out.

### Multi Flow Vane

A powerful blower provides improved distribution of air from the upper and lower air outlets. The result is a comfortable environment with an even temperature throughout the room. Three uniquely shaped vanes control the airflow and allow the freedom to customise comfort according to preferences.





## SLZ-M Series

### Ceiling Cassette

- Capacity Range: 2.5/3.5/5.0kW.
- Unit Dimensions: 570 (w) x 570 (d) x 245mm (h).
- Colour: Pure White.
- Multiple Vane Settings.

Our compact, lightweight ceiling cassette units with 4-way airflow provide maximum comfort by evenly distributing airflow throughout the entire room.

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### Compact Design

A design that is a perfect match for ceilings made using 2ft x 2ft construction. The 4-way air outlet provides maximum comfort with evenly distributed airflow.

### Air Cleaning Filter

This built-in filter reduces dust and other particulates, keeping the air purified and deodorised. The long-life filter in SLZ Series air conditioners can be used for approximately 2,500 hours with simple maintenance.

### **3D i-see Sensor**

#### Detects Occupants (Optional)

3D i-See Sensor detects the occupancy of people in the room and sets the air conditioning settings 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 an enhanced power-saving mode.





## PLA-M Series Ceiling Cassette

- Capacity Range: 6.0/7.1kW.
- Unit Dimensions: 840 (w) x 840 (d) x 258mm (h).
- Colour: Natural White.
- Filter lowering grille down to 4m (Optional).

Advancements in PLA Series improve style and performance for indoor comfort.

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### Horizontal Airflow

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

### Wide Airflow

PLA-M Series ceiling cassettes have the capacity to circulate air evenly throughout a room, ensuring that the room temperature is consistent throughout the entire space, through the use of wide-angle outlets. PLA-M Series ceiling cassettes feature a 20% reduction in horizontal airflow and fan speed, when compared to conventional models, in order to increase the comfort experienced by occupants.

### **3D i-see Sensor**

#### **Detects Occupants** (Optional)

3D i-See Sensor detects the occupancy of people in the room and sets the air conditioning settings 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 an enhanced power-saving mode.



## MLZ-KP Series

### Ceiling Cassette

- Capacity Range: 2.5/3.5/5.0kW.
- Unit Dimensions:  
1102 (w) x 360 (d) x 185mm (h).
- Colour: Natural White.
- Anti-Allergy Enzyme Filter (Optional).

The MLZ-KP Series features a sharp, slim and sleek appearance.

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### Sleek, Slimline Design

At just 185mm in height, the MLZ Series is the perfect solution for low ceiling cavities, whilst the flat, natural white finish provides a sleek and discreet installation.

### Auto Vane Control

Outlet vanes can be moved left and right, and up and down using the remote controller. This improved airflow control feature reduces drafts.

### Set Airflow According to Ceiling Height

Dual-level airflow selection is engineered to accommodate specific ceiling heights. This is a key feature for adjusting airflow effectively when ceilings are of different heights.

### Horizontal Airflow

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



## PCA-M Series

### Ceiling Suspended

- Capacity Range: 5.0/6.0/7.1/10.0kW.
- Unit Dimensions:  
960 (w) x 680 (d) x 230mm (h) (PCA-M50).  
1,280 (w) x 680 (d) x 230mm (h) (PCA-M60-71).  
1,600 (w) x 680 (d) x 230mm (h) (PCA-M100).
- Colour: Natural White.
- Designed for schools, shops and restaurants.

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

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### 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.

### Equipped with High and 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.

### Outside-Air Intake

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



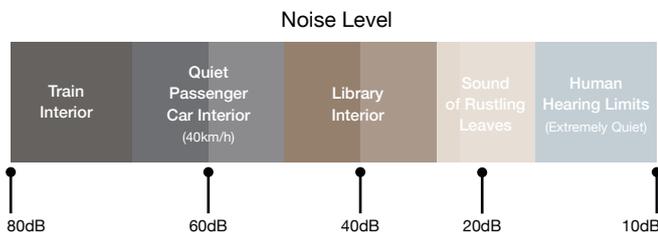
## SEZ-M Series

### Compact Bulkhead

- Capacity Range: 2.5/3.5/5.0/6.0/7.1kW.
- Unit Dimensions: 200mm height.
- Designed for homes, offices, restaurants and shops.

### Impressively Quiet

With the sound of leaves rustling at 20dB the Mitsubishi Electric SEZ Series offers impressively quiet operation at a hushed 23dB (25/35 models); ensuring a calm and comfortable environment.



\*The sound level for SEZ - is measured in an anechoic chamber.

### DC Fan Motor

Efficiency of the DC motor is much higher than an equivalent AC motor. Closed type design conceal the electrical windings which increases safety.

### Discreet Design

The Mitsubishi Electric compact design requires minimal space with a height of only 200mm, ideal for installation in buildings with lower ceilings. The design allows for discreet installation with the air intake and outlet grilles visible maintaining your home or office with clean lines for interior décor.



## PEAD-M Series

### Low Profile Mid-Static Ceiling Concealed

- Capacity Range: 5.0/6.0/7.1/10.0kW.
- Unit Dimensions: 250mm height.
- Designed for homes, offices, restaurants and shops.

For elegance and style, the PEAD Series compliments the room environment with an aesthetically pleasing ceiling installation and high-pressure static fan.

### Compact Design

The height of the PEAD Series (5.0kW - 10.0kW) has been unified to 250mm making installation possible in low ceilings with minimal clearance space. It has variable airflow settings to ensure the best operation to match virtually all room layouts. The drainage pump lift is 700mm from the lower surface of the indoor units main body. The solution for low ceiling space, as low as 250mm.

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

The PEAD Series incorporate five-stage external static pressure conversions and three fan speed selections, offering the ultimate in comfort diversity. PEAD Series are designed for human comfort and to be installed in a wide range of building types with broad static pressures requirements ranging from 35 to 125Pa.

\*Application dependent on site conditions.

# Outdoor Units

## MXZ Series

- Capacity Range: 5.2/5.4/7.1/8.0/10.0/12.0kW.
- Guaranteed Operating Range: -10°C to 46°C (Cooling), -5°C (-15°C\*1) to 24°C (Heating).

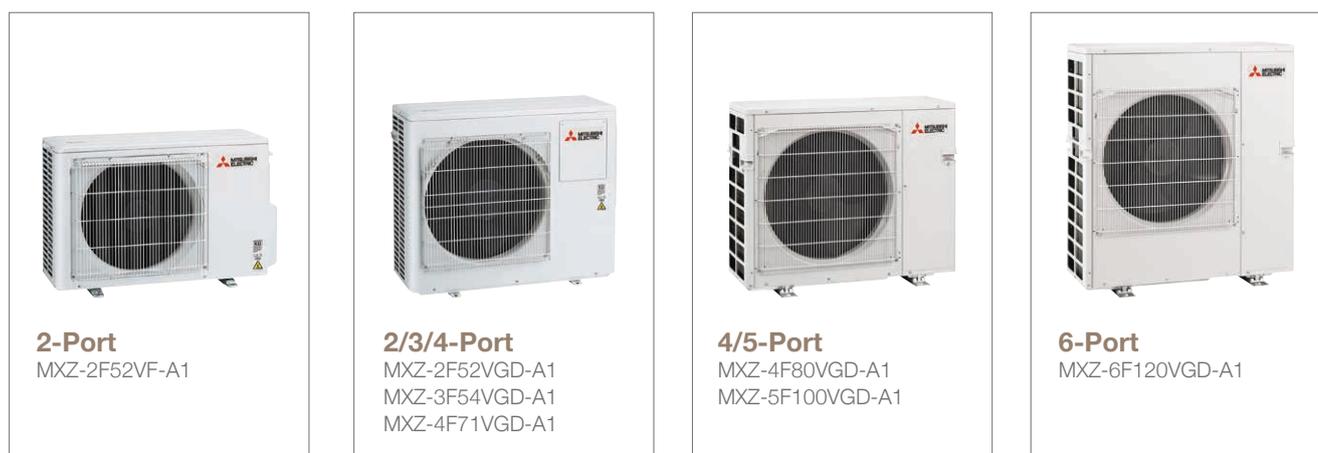
\*1 Optional air protection guide is required where ambient temperature is lower than -5°C.

## Operation Lock

To accommodate specific-use applications, cooling or heating operation can be specified when setting the control board of the outdoor unit. A convenient option when a system needs to be configured for exclusive cooling or heating service.

## R32

R32 enables increased energy efficiency compared to R410A, with just one third of the global warming potential, the risk of environmental harm is greatly reduced.



# PUMY Series

- Capacity Range: 9.0/12.5/14.0/15.5/22.4kW.
- Single and Three Phase (P200 three phase only).
- Guaranteed Operating Range: Cooling at -5°C to 52°C, Heating at -20°C to 15°C.

Mitsubishi Electric PUMY Series meets the needs of homes and apartments with the ability to select from a range of indoor units to best match your requirements.

## Lightweight & Compact Size

Compact design fits into narrow outdoor unit space of apartments and offices, with a reduced height of less than one metre. Lightweight design facilitates easier installation and transportation.

## Quiet Mode\*

Noise level may be reduced up to 10dB(A). This feature may assist in areas requiring sensitive ambient noise conditions.

\*Capacity reduction differs by mode setting. PAC-SC36NA-E is required to activate Quiet Mode.

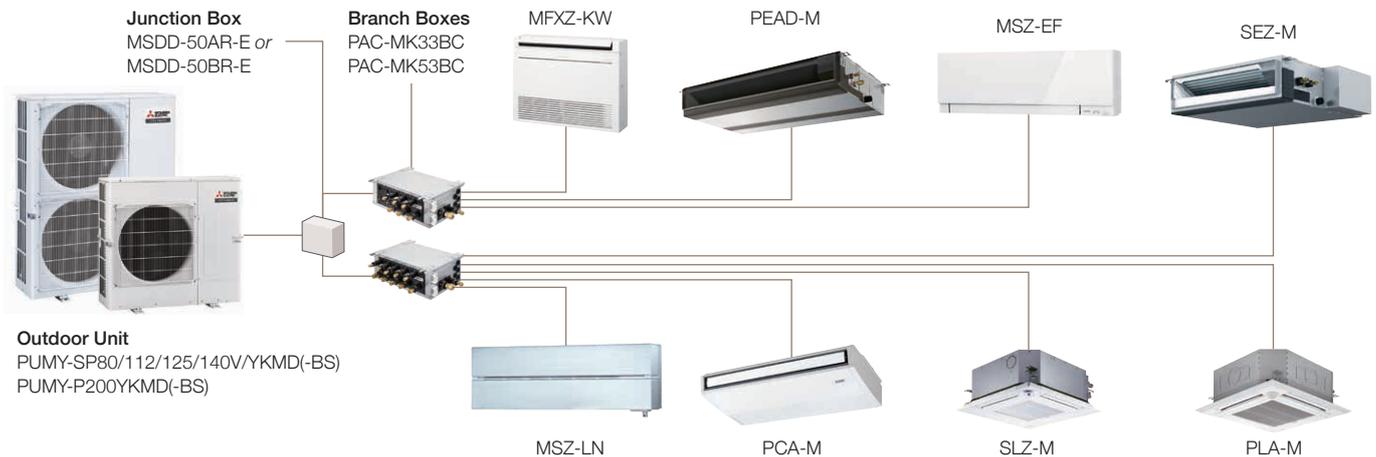
## Highly Efficient Heat Exchanger

A high density and increase in surface area have improved the heat-exchange efficiency. The pipe diameter has changed from 9.52 to 7.94mm, resulting a high density heat exchanger.

## External Static Pressure of 30Pa\*

The installation location is flexible thanks to its 30Pa static pressure. An external static pressure of 30Pa allows the outdoor unit to be installed on balconies in high-rise buildings or spaces near louvers.

\*Refer to installation manual for more details.



# Indoor Unit Compatibility

## Select from a Wide Range of Stylish Indoor Units

For an attractive installation and optimum use of indoor space, choose the system that best matches your needs including wall mounted, floor standing, ceiling cassette, ceiling suspended and ceiling concealed units, available in various capacities.

Refer to the following table to check if an indoor unit can be used with an outdoor unit. Combinations not listed in the table cannot be used.

MXZ Series																			
Model	Wall Mounted						Floor Standing		Ceiling Cassette				Ceiling Concealed						
	MSZ-LN		MSZ-EF	MSZ-AP			MFXZ-KW		SLZ-M		MLZ-KP		SEZ-M			PEAD-M			
Capacities	25/35	50	22/25/35/42/50	15/20/22/25/35/42/50			25/35	50	25/35	50	25/35	50	25/35	50	60	71	50	60	71
MXZ-2F52VF-A1	●		●	●					●			●							
MXZ-2F52VGD-A1	●		●	●					●			●							
MXZ-3F54VGD-A1	●	●	●	●				●	●	●	●	●	●	●				●	
MXZ-4F71VGD-A1	●	●	●	●	●			●	●	●	●	●	●	●	●			●	●
MXZ-4F80VGD-A1	●	●	●	●	●	●		●	●	●	●	●	●	●	●	●	●	●	●
MXZ-5F100VGD-A1	●	●	●	●	●	●		●	●	●	●	●	●	●	●	●	●	●	●
MXZ-6F120VGD-A1	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●

PUMY Series																										
Model	Wall Mounted						Floor Standing		Ceiling Cassette						Ceiling Suspended			Ceiling Concealed								
	MSZ-LN		MSZ-EF	MSZ-AP	MSZ-GE			MFXZ-KW		SLZ-M		PLA-M		MLZ-KP		PCA-M			SEZ-M			PEAD-M				
Capacities	25/35	50	22/25/35/42/50	15/20/22/25/35/42/50	22/25/35/42/50			25/35	50	25/35	50	60	71	100	25/35	50	50	60	71	100	25/35	50	60	71	50/60/71	100
PUMY-SP80V(Y)KMD	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
PUMY-SP112V(Y)KMD	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
PUMY-SP125V(Y)KM	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
PUMY-SP140V(Y)KMD	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
PUMY-P200YKMD	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●

# Selection

Step 1		Select Indoor Units		
Select the indoor unit to be installed in each room.				
Wall Mounted	Floor Standing	Ceiling Cassette	Ceiling Suspended	Ceiling Concealed
 MSZ-LN  MSZ-EF  MSZ-AP  MSZ-GE	 MFXZ-KW	 SLZ-M  PLA-M  MLZ-KP	 PCA-M	 SEZ-M  PEAD-M

Step 2		Select Outdoor Units		
2-Port Single Fan	2/3/4-Port Single Fan	2-8-Port Single Fan		
 MXZ-2F52VF-A1	 MXZ-2F52VGD-A1 MXZ-3F54VGD-A1 MXZ-4F71VGD-A1	 PUMY-SP80V/YKMD PUMY-SP112V/YKMD PUMY-SP125V/YKMD PUMY-SP140V/YKMD	 Branch Boxes PAC-MK33BC PAC-MK53BC	
4/5-Port Single Fan	6-Port Single Fan	2-8-Port Twin Fan		
 MXZ-4F80VGD-A1 MXZ-5F100VGD-A1	 MXZ-6F120VGD-A1	 PUMY-P200YKMD	 Branch Boxes PAC-MK33BC PAC-MK53BC	

\*Branch box dependent on number of indoor units and capacity required.

Step 3		Check System Compatibility	
Possible combinations depends on the outdoor unit chosen. Please check the following points.			
<b>Check Indoor Units</b> Refer to the Indoor Unit Compatibility Table (page 20) to check if the indoor units selected can be used with the outdoor unit selected. (Indoor units not listed in the table cannot be used.)		<b>Check Indoor Units Capacity Combination</b> Refer to the Combination Table on the website to check if the capacity combination of the indoor unit selected is connectable. (Combinations not listed cannot be connected.)	
If the desired combination cannot be found, please change either the indoor or outdoor unit to match one of the combinations shown in the tables.			

# Control your Comfort

Making the most out of your air conditioner all starts with the controls, helping you to create comfort levels that suit your needs. The availability of a wide variety of controls by Mitsubishi Electric Australia, not only provides you with a selection to personalise your air conditioning system, but also increases flexibility in the way you use your unit.

**Wi-Fi**  
**CONTROL**



## Wi-Fi Control<sup>\*1</sup>

Unlock the door to smarter heating and cooling systems through your Split and Ducted systems, for total home comfort. This innovative technology connects your Mitsubishi Electric 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. Additional adapter required per unit.

### Features:

- Adjusting set temperature
- Changing mode
- Fan speed
- Auto-Off
- Zone Control

### Voice Control

Mitsubishi Electric air conditioning systems connected with Wi-Fi Control<sup>\*1</sup> are now Amazon Alexa<sup>\*2</sup> and Google Assistant<sup>\*3</sup> enabled. This means you can enjoy hands-free control.

### Develop Operating Rules

Tailor your system to always meet your needs and unlock the full potential of your air conditioner. Program your system to automatically turn On/Off at specific times, change settings, and develop temperature rules to ensure superior comfort day after day.

### 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.

<sup>\*1</sup> Optional upgrade adapter required per unit (excludes LN Series).

Requires an internet connection and the App downloaded on your smart phone or tablet with the latest operation system available.

<sup>\*2</sup> To use Amazon Alexa to control your air conditioner you will need an Amazon Alexa Echo device.

<sup>\*3</sup> To use Google Assistant to control your air conditioner you will need a Google Home Smart speaker.



PAR-CT01MAA-PB

## Bluetooth\* Touch Screen Controller

### PAR-CT01MAA-S/SB/PB

A full colour 3.5" touch LCD display suitable for both residential and commercial applications. Remote controller can communicate with smartphone or tablet device via Bluetooth Low Energy (BLE).

#### Features:

- Logo/photo image customisation.
- White or Premium Black finishes.
- 180 colour patterns available.
- Customisable display.
- Multilingual support: The smartphone app can be displayed in the language that the user's smartphone is set to.

\*Available for PAR-CT01MAA-SB and PAR-CT01MAA-PB.



PAR-40MAA

## 7 Day Wired Controller

### PAR-40MAA

A large easy to read display with backlit LCD.

#### Features:

- Weekly timer – 8 patterns up to 7 days.
- Auto-Off timer.
- Temperature range restriction – Limit minimum and maximum to prevent over heating/cooling.
- Operation lock.
- Multi Language (EN/FR/DE/ES/IT/PT/SV/RU)



PAR-SL97A-E PAR-SL100A-E

## Handheld Controllers

### PAR-SL97A-E | PAR-SL100A-E

With an easy to read display and a variety of operating modes at the touch of a button. This controller features a weekly and 24 hour timer, On/Off timer to set operating times on a daily basis. The 'i-Save' mode recalls the preset temperature.

#### Features:

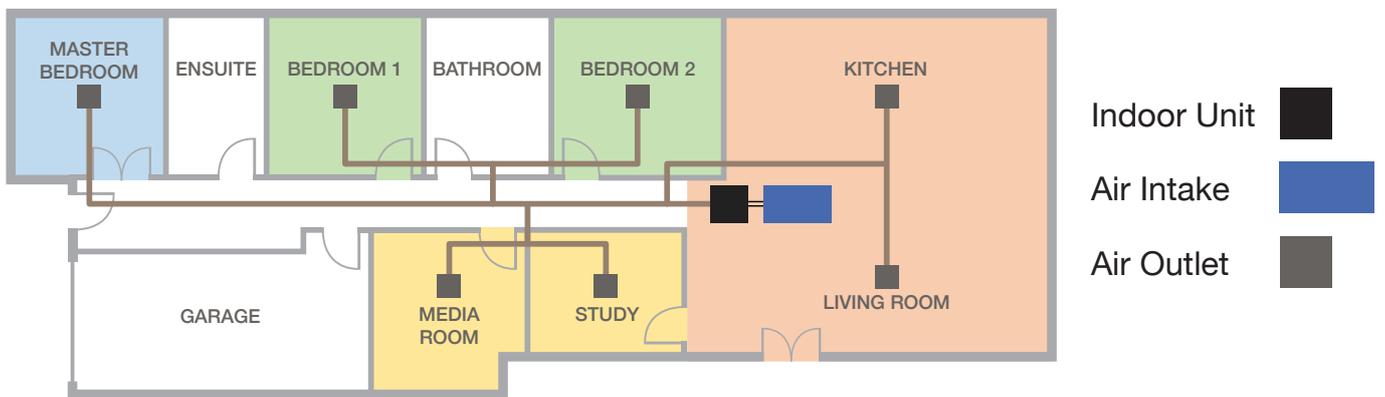
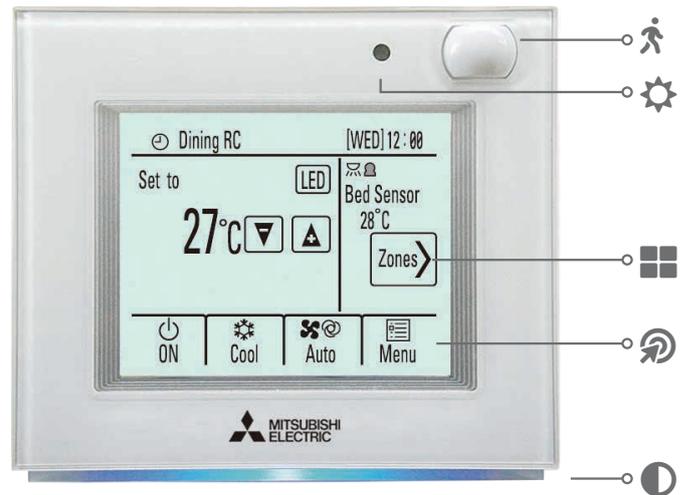
- 24 hour timer.
- Mode and fan speed selection.
- i-Save mode.
- 3D i-See Sensor controller (PAR-SL100A-E only).

# Zone Controller

## What is Zoning?

Zoning is the ability to turn off a section of your ducted air conditioning system when not in use.

The Mitsubishi Electric Zone Controller expands functionality, delivering conditioned air where you want it in the home/office. With the ability of creating up to 4 or 8 separate zones, why condition air in unoccupied areas?



### Up to 4 or 8 Zones

The Zone Controller makes it possible to distribute conditioned air to where you need it in your home/office. With the ability of creating up to 4 or 8 separate zones, there is no need to condition air in unoccupied rooms. Unoccupied spaces can be prevented from receiving airflow, reducing power consumption in unnecessary areas.

### Weekly Timer

Zone Controller allows setting weekly schedule for unit On/Off, modes, set temperature and also zones On/Off. Up to eight operation patterns can be scheduled for each day.

### LED Indicator

A colour band indicates the operating mode or can be configured to other settings. i.e. Off/Temperature/Colour preference.

### Touch Panel

A 4.3" easy to use touch panel with backlight.

### Brightness Sensor

Day and time settings can be combined with the brightness sensor to automatically turn the air conditioner off when lights are switched off.

### Occupancy Sensor

If motion is undetected the air conditioner switches to energy saving mode.

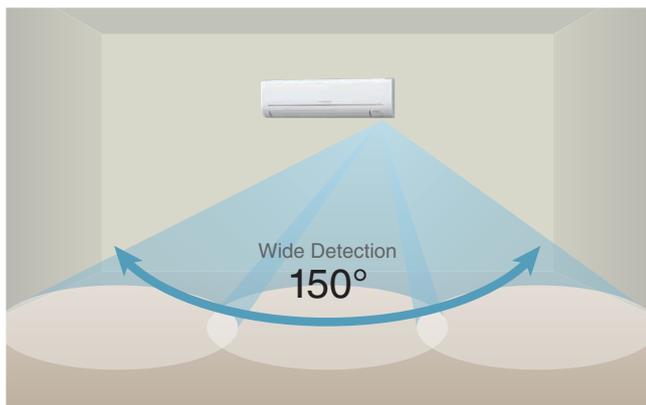
### Averaging Sensor Control

Zone Controller allows having 5 sensors in the system. Control of the unit is based on averaging of the sensors of the active zone.

# 3D i-see Sensor

The 3D i-See Sensor is an infrared-ray sensor that measures the temperature at distant positions. While moving to the left and right, eight vertically arranged sensor elements analyse the room temperature in three dimensions.

This detailed analysis makes it possible to judge where people are in the room, thus allowing creation of features such as “indirect airflow,” to avoid airflow hitting people directly, and “direct airflow” to deliver airflow to where people are.



## Indirect Airflow

The indirect airflow setting can be used when the flow of air feels too strong or direct. For example, it can be used during cooling to avert airflow and prevent body temperature from becoming excessively cooled.

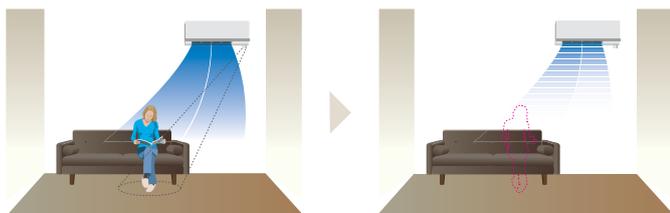


## Direct Airflow

This setting can be used to directly target airflow at people such as for immediate comfort when coming indoors on a hot (cold) day.

## Absense Detection

The sensor detects whether there are people in the room. When no-one is in the room, the unit automatically switches to energy-saving mode.



## Demand Function

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

\*Excludes MXZ-2D52VA2.

## Econo Cool Energy Saving Feature

“Econo Cool” is an intelligent temperature control feature that adjusts the amount of air directed towards the body based on the air-outlet temperature. The setting temperature can be raised by as much as 2°C without any loss in comfort, thereby realising a gain in energy efficiency.

(Function only available during manual cooling operation).

	Conventional	Econo Cool
<b>Ambient Temperature</b>	35°C	35°C
<b>Set Temperature</b>	5°C	7°C
<b>Perceived Temperature</b>	30°C	29.3°C

A comfortable room environment is maintained even when setting the temperature 2°C higher than the conventional cooling mode.

### Econo Cool On



Temperature distribution (°C)  
14 16 18 20 22 24 26 28

### Conventional Cooling Mode



## Area Temperature Monitor

The “3D i-See Sensor” monitors the whole room in sections and directs the airflow to areas of the room where the temperature does not match the temperature setting. For example when cooling the room, if the middle of the room is detected to be hotter, more airflow is directed towards it.

This helps to prevent unnecessary cooling/heating and contributes to energy efficiency.

### Cooling Mode



## Auto Vane

The vane closes automatically when the air conditioner is not running, concealing the air outlet and creating a flat surface that is aesthetically appealing.

# Glossary

## Air Quality

### The Quad Core Filter

The Plasma Filter reduces bacteria and viruses from inside the unit using a strong curtain-like electrical field and discharge of electric current across the whole inlet-air opening of the unit.

### Anti-Allergy Enzyme Filter

The Anti-Allergy Enzyme Filter works to trap allergens such as molds and bacteria and decompose them using enzymes retained in the filter.

### Nano Platinum Filter

The filter has a large capture area and incorporates nanometresized platinum - ceramic particles that work to reduce bacteria and deodourise the circulating air.

### Outside-Air Intake

Indoor air quality is enhanced by the direct intake of outside air.

## Air Distribution

### Horizontal Vane

The air outlet vane swings up and down so that the airflow is spread evenly throughout the room.

### Vertical Vane

The air outlet vane swings from side to side so that the airflow reaches every part of the room.

### Double Vane

Double vane separates the airflow in the different directions to deliver airflow not only across a wide area of the room, but also simultaneously to two people in different locations.

### Long-Life Filter

A special process for the entrapment surface improves the filtering effect, making the maintenance cycle longer than that of units equipped with conventional filters.

### Electro Static Anti-Allergy Enzyme Filter

This function features both the air cleaning filter and Anti-Allergy Enzyme Filter.

\*These filters are not medical devices and the care/cleaning instructions in the relevant user manual must be followed for proper functioning.

### Filter Check Signal

Air conditioner operating time is monitored, and the user is notified when filter maintenance is necessary.

### High Ceiling Mode

In the case of rooms with high ceilings, the outlet-air volume can be increased to ensure that air is circulated all the way to the floor.

### Low Ceiling Mode

If the room has a low ceiling, the airflow volume can be reduced for less draft.

### Auto Fan Speed Mode

The airflow speed mode adjusts the fan speed of the indoor unit automatically according to the present room conditions.

# Product Specifications Indoor Units

MSZ-LN Series (Wall Mounted)										
Indoor Unit		MSZ-LN25VG/B/R		MSZ-LN35VG/B/R		MSZ-LN50VG/B/R				
Fan Speed		Quiet-Lo-Mid-Hi-SHi-Auto								
Cooling	Airflow [min-max]	ℓ/s	78 - 207		78 - 217		95 - 232			
	Sound Pressure Level [min-max]	dB	19 - 42		19 - 43		27 - 46			
Heating	Airflow [min-max]	ℓ/s	75 - 232		71 - 228		82 - 262			
	Sound Pressure Level [min-max]	dB			19 - 45		25 - 47			
Dimensions		Height	mm						307	
		Width	mm						890	
		Depth	mm						233	
Weight		kg							13.5	
Pipe Size [Liquid/Gas]		mm							ø6.35/ø9.52	

SHi ▶ Super High

MSZ-EF Series (Wall Mounted)													
Indoor Unit		MSZ-EF22VG (W/B/S)-A1		MSZ-EF25VG (W/B/S) A1		MSZ-EF35VG (W/B/S)-A1		MSZ-EF42VG (W/B/S)-A1		MSZ-EF50VG (W/B/S) -A1			
Fan Speed		Quiet-Lo-Mid-Hi-SHi-Auto											
Cooling	Airflow [min-max]	ℓ/s	67 - 175			67 - 175			97 - 187		97 - 188		
	Sound Pressure Level [min-max]	dB	19 - 42			21 - 42			28 - 43		30 - 43		
Heating	Airflow [min-max]	ℓ/s	67 - 198			67 - 212			92 - 220		107 - 243		
	Sound Pressure Level [min-max]	dB	21 - 45			21 - 46			28 - 48		30 - 49		
Dimensions		Height	mm									299	
		Width	mm									895	
		Depth	mm									195	
Weight		kg										11.5	
Pipe Size [Liquid/Gas]		mm	ø6.35/ø9.52							ø6.35/ø12.7			

W: White, B: Black, S: Silver SHi ▶ Super High

MSZ-AP Series (Wall Mounted)																					
Indoor Unit		MSZ-AP 15VG(D*)		MSZ-AP 20VG(D*)		MSZ-AP 22VG(D*)		MSZ-AP25 VG(D*)		MSZ-AP35 VG(D*)		MSZ-AP42 VG(D*)		MSZ-AP50 VG(D*)		MSZ-AP60 VG(D*)		MSZ-AP71 VG(D*)		MSZ-AP80 VG(D*)	
Fan Speed		Lo-Mid-Hi																			
Cooling	Airflow [min-max]	ℓ/s	210 - 384		210 - 414		82 - 205		82 - 223		90 - 223		100 - 258		156 - 315		160 - 310		160 - 343		
	Sound Pressure Level [min-max]	dB	21 - 40		21 - 42		19 - 44		19 - 45		26 - 49		28 - 49		29 - 48		30 - 49		30 - 50		
Heating	Airflow [min-max]	ℓ/s	222 - 408		222 - 438		82 - 190		82 - 215		88 - 233		93 - 268		180 - 338		133 - 320				
	Sound Pressure Level [min-max]	dB	21 - 40		21 - 42		18 - 42		19 - 45		26 - 46		28 - 48		29 - 48		30 - 49		30 - 53		
Dimensions		Height	mm				250				299				325						
		Width	mm				760				798				1100						
		Depth	mm				178				219				257						
Weight		kg	8.2				10.5				16				17						
Pipe Size [Liquid/Gas]		mm	ø6.35/ø9.52								ø6.35/ø12.7										

MSZ-GE Series (Wall Mounted)																										
Indoor Unit		MSZ-GE22VAD		MSZ-GE25VAD		MSZ-GE35VAD		MSZ-GE42VAD		MSZ-GE50VAD		MSZ-GE60VAD		MSZ-GE71VAD		MSZ-GE80VAD										
Fan Speed		Quiet-Lo-Mid-Hi-SHi-Auto																								
Cooling	Airflow [min-max]	ℓ/s	68 - 188				68 - 212				97 - 213				108 - 252				163 - 305				162 - 298			
	Sound Pressure Level [min-max]	dB	19 - 42				19 - 43				26 - 46				28 - 49				29 - 49				30 - 49			
Heating	Airflow [min-max]	ℓ/s	68 - 192				68 - 192				97 - 218				108 - 242				163 - 305				170 - 298			
	Sound Pressure Level [min-max]	dB	19 - 42				19 - 43				26 - 46				28 - 48				29 - 49				30 - 49			
Dimensions		Height	mm								295								325							
		Width	mm								798								1100							
		Depth	mm								232								238							
Weight		kg	10																							
Pipe Size [Liquid/Gas]		mm	ø6.35/ø9.52						ø6.35/ø12.7				ø6.35/ø15.88				ø9.52/ø15.88									

SHi ▶ Super High

# Product Specifications Indoor Units

MFZX-KW Series (Floor Standing)				
Indoor Unit		MFZX-KW25VG	MFZX-KW35VG	MFZX-KW50VG
Fan Speed		Quiet-Lo-Mid-Hi-SHi-Auto		
Cooling	Airflow [min-max]	ℓ/s	40 - 150	93 - 205
	Sound Pressure Level [min-max]	dB	23 - 43	28 - 48
Heating	Airflow [min-max]	ℓ/s	70 - 162	100 - 233
	Sound Pressure Level [min-max]	dB	24 - 44	29 - 49
Dimensions	Height	mm	600	
	Width	mm	750	
	Depth	mm	215	
Weight		kg	14.5	
Pipe Size [Liquid/Gas]		mm	ø6.35/ø9.52	ø6.35/ø12.7

SLZ-M Series (Ceiling Cassette)					
Indoor Unit		SLZ-M25FA-A	SLZ-M35FA-A	SLZ-M50FA-A	
Fan Speed		Lo-Mid-Hi			
Cooling	Airflow [min-max]	ℓ/s	108 - 125 - 142	108 - 150 - 192	117 - 150 - 192
	Sound Pressure Level [min-max]	dB	25 - 28 - 31	25 - 33 - 59	27 - 34 - 39
Heating	Airflow [min-max]	ℓ/s	108 - 125 - 142	108 - 150 - 192	117 - 150 - 192
	Sound Pressure Level [min-max]	dB	25 - 28 - 31	25 - 33 - 59	27 - 34 - 39
Dimensions	Height	mm	245 (10)		
	Width	mm	570 (625)		
	Depth	mm	570 (650)		
Weight		kg	15 (3)		
Pipe Size [Liquid/Gas]		mm	ø6.35/ø9.52	ø6.35/ø12.7	

PLA-M Series (Ceiling Cassette)				
Indoor Unit		PLA-M71EA-A	PLA-M100EA-A	
Fan Speed		Lo-Mid-Hi		
Cooling	Airflow [min-max]	ℓ/s	233 - 350	317 - 483
	Sound Pressure Level [min-max]	dB	28 - 34	31 - 40
Heating	Airflow [min-max]	ℓ/s	233 - 350	317 - 483
	Sound Pressure Level [min-max]	dB	28 - 34	31 - 40
Dimensions	Height	mm	258 (33)	298
	Width	mm	840 (950)	840
	Depth	mm	840 (950)	840
Weight		kg	-	24
Pipe Size [Liquid/Gas]		mm	ø9.52/ø15.88	

MLZ-KP Series (Ceiling Cassette)					
Indoor Unit		MLZ-KP25VF	MLZ-KP35VF	MLZ-KP50VF	
Fan Speed		Auto-Quiet-Lo-Med-Hi			
Cooling	Airflow [min-max]	ℓ/s	167 - 250	250 - 317	267 - 333
	Sound Pressure Level [min-max]	dB	27 - 31 - 34 - 38	27 - 32 - 36 - 40	29 - 36 - 41 - 47
Heating	Airflow [min-max]	ℓ/s	167 - 250	250 - 317	267 - 333
	Sound Pressure Level [min-max]	dB	26 - 29 - 34 - 37	26 - 32 - 36 - 40	26 - 37 - 42 - 48
Dimensions	Height	mm	24		
	Width	mm	1200		
	Depth	mm	424		
Weight		kg	3.5		
Pipe Size [Liquid/Gas]		mm	ø6.35/ø9.52	ø6.35/ø12.7	

PCA-M Series (Ceiling Suspended)						
Indoor Unit			PCA-M50KA	PCA-M60KA	PCA-M71KA	PCA-M100KA
Fan Speed			Lo-Mi1 -Mi2-Hi-Auto			Lo-Mid-Hi
Cooling	Airflow [min-max]	ℓ/s	167 - 250	250 - 317	267 - 333	367 - 467
	Sound Pressure Level [min-max]	dB	32 - 40	33 - 40	35 - 41	37 - 43
Heating	Airflow [min-max]	ℓ/s	167 - 250	250 - 317	267 - 333	367 - 467
	Sound Pressure Level [min-max]	dB	32 - 40	33 - 40	35 - 41	37 - 43
Dimensions	Height	mm	230			230
	Width	mm	960	1,280		1600
	Depth	mm	680			680
Weight	kg	25	32		37	
Pipe Size [Liquid/Gas]	mm	ø6.35/ø12.7	ø6.35/ø15.88	ø9.52/ø15.88		

\*No remote controller included.

SEZ-M Series (Compact Bulkhead)							
Indoor Unit			SEZ-M25DA (L)	SEZ-M35DA (L)	SEZ-M50DA (L)	SEZ-M60DA (L)	SEZ-M71DA (L)
Fan Speed			Lo-Mid-Hi-Auto				
Cooling	Airflow [min-max]	ℓ/s	92 - 150	117 - 183	167 - 250	200 - 300	200 - 333
	Sound Pressure Level [min-max]	dB	23 - 30	23 - 33	30 - 37	30 - 38	30 - 40
Heating	Airflow [min-max]	ℓ/s	92 - 150	117 - 183	167 - 250	200 - 300	200 - 333
	Sound Pressure Level [min-max]	dB	23 - 30	23 - 33	30 - 37	30 - 38	30 - 40
Static Pressure	Pa	5/15/35/50					
Dimensions	Height	mm	200				
	Width	mm	790	990	1190		
	Depth	mm	700				
Weight	kg	18	21	23	27		
Pipe Size [Liquid/Gas]	mm	ø6.35/ø9.52		ø6.35/ø12.7	ø6.35/ø15.88	ø9.52/ø15.88	

\*SEZ-KD VAO: No remote controller included.

\*SEZ-KD VAL: Equipped with a wireless remote controller.

PEAD-M Series (Ceiling Concealed)						
Indoor Unit			PEAD-M50JAA(D)	PEAD-M60JAA(D)	PEAD-M71JAA(D)	PEAD-M100JAA(D)
Fan Speed			Lo-Mid-Hi			
Cooling	Airflow [min-max]	ℓ/s	200 - 242 - 283	242 - 300 - 350	292 - 350 - 417	400 - 483 - 567
	Sound Pressure Level [min-max]	dB	30 - 35 - 39	30 - 32 - 36	30 - 33 - 38	33 - 38 - 42
Heating	Airflow [min-max]	ℓ/s	200 - 242 - 283	242 - 300 - 350	292 - 350 - 417	400 - 483 - 567
	Sound Pressure Level [min-max]	dB	30 - 35 - 39	30 - 32 - 36	30 - 33 - 38	33 - 38 - 42
Static Pressure	Pa	35/50/70/100/125				
Dimensions	Height	mm	250			
	Width	mm	900	1100	1,400	
	Depth	mm	732			
Weight	kg	26 (27)	29 (30)	30	39	
Return Air Spigot Size	mm	900 x 178	1100 x 250	1058 x 210	1360 x 250	
Supply Air Spigot Size	mm	860 x 178	1060 x 178	1060 x 178	1360 x 178	
Pipe Size [Liquid/Gas]	mm	ø6.35/ø12.7	ø6.35/ø15.88	ø9.52/ø15.88		

\*No remote controller included.

Note: With PEAD Series, the total capacity of indoor units need to be 100% of the outdoor unit capacity as maximum.

# Product Specifications Outdoor Units

Series			MXZ						
Outdoor Unit			MXZ-2F52 VF-A1	MXZ-2F52 VGD-A1	MXZ-3F54 VGD-A1	MXZ-4F71 VGD-A1	MXZ-4F80 VGD-A1	MXZ-5F100 VGD-A1	MXZ-6F120 VGD-A1
Refrigerant			R32						
Precharge Refrigerant			1	2.4					
Power Supply (V, Phase, Hz)			220V, single, 60Hz / 230V, single, 50Hz						
Cooling	Capacity [Min-Rated-Max]	kW	1.1 - 5.2 - 5.6	2.0 - 5.2 - 6.0	2.9 - 5.4 - 6.8	3.7 - 7.1 - 8.8	3.7 - 8.0 - 9.2	3.9 - 10.0 - 11.0	3.5 - 12.0 - 14.0
	Total Input [Rated]	kW	1.38	1.38	1.25	1.79	1.98	2.84	3.3
	AEER/EER		3.72/3.77	3.73/3.77	4.26/4.32	3.93/3.97	4.00/4.04	3.49/3.52	3.61/3.64
	Running Current [Rated]	A [220V/60Hz - 230V/50Hz]	6.5 - 6.3	6.4 - 6.1	5.8 - 5.5	8.3 - 7.9	9.1 - 8.7	13.0 - 12.5	15.2 - 14.5
	Sound Pressure Level	Out [PWL]	61	60	60	63	61	65	68
Heating	Capacity [Min-Rated-Max]	kW	1.0 - 6.1 - 7.0	1.8 - 6.1 - 7.2	2.6 - 7.0 - 9.0	3.4 - 8.0 - 10.7	3.4 - 8.8 - 11.6	4.1 - 10.0 - 14.0	3.5 - 13.2 - 16.5
	Total Input [Rated]	kW	1.49	1.45	1.43	1.67	1.68	2.07	3
	ACOP/COP		4.05/4.09	4.17/4.21	4.84/4.90	4.74/4.79	5.18/5.24	4.78/4.83	4.37/4.40
	Running Current [Rated]	A [220V/60Hz - 230V/50Hz]	7.1 - 6.7	6.7 - 6.4	6.6 - 6.3	7.7 - 7.4	7.7 - 7.4	9.5 - 9.1	13.8 - 13.2
	Sound Pressure Level	Out [PWL]	63	65	65	66	63	67	72
Max. Running Current		A	12.2	12.2	18	18	21.4	21.4	29.8
Breaker Size		A	15	15	25	25	25	25	32
Outdoor Unit	Dimensions [HxWxD]	mm	550 x 800 x 285	710 x 840 x 330			796 x 950 x 330		1048 x 950 x 330
	Weight	kg	37	57	58	59	61	62	87
Piping	Diameter [Gas/Liquid]	mm	9.52 x 2 / 6.35 x 2	9.52 x 2 / 6.35 x 2	9.52 x 3 / 6.35 x 3	9.52 x 3 + 12.7 x 1 / 6.35 x 4	9.52 x 3 + 12.7 x 1 / 6.35 x 4	9.52 x 4 + 12.7 x 1 / 6.35 x 5	9.52 x 5 + 12.7 x 1 / 6.35 x 6
	Max. Length [Total-Each]	m	30 - 20	40 - 20	50 - 25	60 - 25	70 - 25	80 - 25	80 - 25
	Max. Height	m	15 / 10 *1	15 / 10 *1	15 / 10 *1	15 / 10 *1	15	15	15
Guaranteed Operating Range [Outdoor]		Cooling °C	-10 - 46						
		Heating °C	-15 - 24						

Maximum Piping Length (Total Length)						
Model	30m	40m	50m	60m	70m	80m
MXZ-2F52VF-A1	✓					
MXZ-2F52VGD-A1		✓				
MXZ-3F54VGD-A1			✓			
MXZ-4F71VGD-A1				✓		
MXZ-4F80VGD-A1					✓	
MXZ-5F100VGD-A1						✓
MXZ-6F120VGD-A1						✓

#### Rating Conditions:

Cooling: Indoor 27°C, D.B./19°C, W.B. Outdoor 35°C, D.B./24°C, W.B.

Heating: Indoor 20°C, D.B./15°C, W.B. Outdoor 7°C, D.B./6°C, W.B.

\*1 If the outdoor unit is installed higher than the indoor unit, maximum height is reduced to 10m.

Series			PUMY-SP (Single Fan)					
Outdoor Unit			PUMY-SP80 VKMD-A	PUMY-SP80 YKMD-A	PUMY-SP112 VKMD-A	PUMY-SP112 YKMD-A	PUMY-SP125 VKMD-A	PUMY-SP125 YKMD-A
Power Source			VKMD: 1-phase 220-230-240 V, 50 Hz; 1-phase 220 V, 60 Hz YKMD: 3-phase 380-400-415 V, 50 Hz; 3-phase 380 V, 60 Hz					
Cooling Capacity [Nominal]*1		kW	9.0		12.5		14.0	
	Power Input	kW	2.11		3.10		3.84	
	Current Input	A	9.79 - 9.36 - 8.97	3.37 - 3.21 - 3.09	14.38 - 13.75 -13.18	4.96 - 4.71 - 4.54	17.81 - 17.04 -16.33	6.14 - 5.83 - 5.62
	EER	kW	4.27		4.03		3.65	
	AEER	kW	3.35		3.31		3.29 *3	
Temp. Range of Cooling	Indoor	W.B.	15.0 ~ 24.0°C					
	Outdoor	D.B.	-5.0 ~ 52.0°C *3 *4 *5					
Heating Capacity [Nominal]*2		kW	10.0		14.0		16.0	
	Power Input	kW	2.27		3.17		3.90	
	Current Input	A	10.53 - 10.07 - 9.65	3.63 - 3.45 - 3.32	14.70 - 14.06 -13.48	5.07 - 4.82 - 4.64	18.09 - 17.30 - 16.58	6.24 - 5.93 - 5.71
	COP	kW	4.41		4.42		4.10	
	ACOP	kW	3.62		3.72		3.56	
Temp. Range of Heating	Indoor	W.B.	15 ~ 27°C					
	Outdoor	D.B.	-20 ~ 15°C					
Indoor Unit Connectable	Total Capacity		50% to 130% of outdoor unit capacity					
	Model / Quantity		P10-P100/9		P15-P140/9		P15-P140/10	
Sound Pressure Level [Measured in Anechoic Room]		dB	51/54		52/54		53/56	
	Refrigerant Piping Diameter							
	Liquid Pipe	mm (in.)	9.52 (3/8) Flare					
	Gas Pipe	mm (in.)	15.88 (5/8) Flare					
Fan	Type X Quantity		Propeller fan x 1					
	Air Flow Rate	m <sup>3</sup> /min	75		77		83	
		L/s	1250		1283		1383	
		cfm	2649		2719		2931	
	Control, Driving Mechanism		DC control					
Motor Output	kW	0.20 x 1						
Compressor	Type X Quantity		Twin rotary hermetic compressor x 1					
	Manufacturer		Mitsubishi Electric Corporation					
	Starting Method		Inverter					
	Motor Output	kW	2.1		3.1		3.5	
	Lubricant		FV50S (1.4 litre)					
External Finish		Galvanised steel sheet munsell no. 3Y 7.8/1.1						
External Dimension [HxWxD]		mm 981 x 1050 x 330 (+25)						
Protection Devices	High Pressure Protection		High pressure switch					
	Inverter Circuit [COMP./FAN]		Overcurrent detection, overheat detection (heat sink thermistor)					
	Compressor		Compressor thermistor, overcurrent detection					
	Fan Motor		Overheating, voltage protection					
Refrigerant	Type X Original Charge		R410A x 3.5 kg					
	Control		Electronic expansion valve					
Net Weight		kg	93 *5 *6		94 *7		93 *6 94 *7	
Heat Exchanger		Cross fin and copper tube						
HIC Circuit [HIC: Heat Inter-Changer]		HIC circuit						
Defrosting Method		Reversed refrigerant circuit						
Optional Parts		Joint: CMY-Y62-G-E Header: CMY-Y64/68-G-E						

**Remarks:**

\*1, \*2 Nominal conditions.

	Indoor	Outdoor	Pipe Length	Level Difference	External Static Pressure (Outdoor Unit)
Cooling	27°C DB/19°C WB	35°C DB	7.5m	0m	0Pa
Heating	20°C DB	7°C DB/6°C WB			

\*3 MEPS Part load.

\*4 10 to 52: When connecting following models: PKFY-P15/20/25VBM,PKFY-P10/15/20/25/32VLM, PFFY-P20/25/32VLE(R)M, PFFY-P20/25/32VKM, and M Series, S Series and P Series type indoor unit with branch box, M Series type indoor unit with connection kit.

\*5 -15 to 52: When using an optional air protect guide [PAC-SH95AG-E]. However, this condition does not apply to the indoor unit listed in \*4.

\*6 94 (207): For PUMY-SP80/112/125/140VKMD.TH-A-BS.\*6 93 and PUMYSP112/125/140VKMD.TH-A-BS.

\*7 95 (209): For PUMY-SP112/125/140YKMD.TH-A-BS.

**Notes:**

1. Nominal conditions \*1, \*2 are subject to ISO 15042.

2. Due to continuing improvement, above specifications may be subject to change without notice.

# Product Specifications Outdoor Units

Series			PUMY-SP (Single Fan)		PUMY-P (Twin Fan)
Outdoor Unit			PUMY-SP140VKMD-A	PUMY-SP140YKMD-A	PUMY-P200YKMD-A
Power Source			VKMD: 1-phase 220-230-240 V, 50 Hz; 1-phase 220 V, 60 Hz YKMD: 3-phase 380-400-415 V, 50 Hz; 3-phase 380 V, 60 Hz		
Cooling Capacity [Nominal]*1		kW	15.5		22.4
	Power Input	kW	4.38		6.22
	Current Input	A	20.32 - 19.43 - 18.62	7.00 - 6.65 - 6.41	10.16 - 9.65 - 9.30
	EER	kW	3.54		3.60
	AEER	kW	3.40 *3		3.17
Temp. Range of Cooling	Indoor	W.B.	15.0 ~ 24.0°C		
	Outdoor	D.B.	-5.0 ~ 52.0°C *4 *5		
Heating Capacity [Nominal]*2		kW	16.5	16.5	25.0
	Power Input	kW	4.02		6.0
	Current Input	A	18.65 - 17.83 - 17.09	6.24 - 5.93 - 5.71	9.80 - 9.31 - 8.98
	COP	kW	4.10		4.17
	ACOP	kW	3.55		3.78
Temp. Range of Heating	Indoor	W.B.	15 ~ 27°C		
	Outdoor	D.B.	-20 ~ 15°C		
Indoor Unit Connectable	Total Capacity		50% to 130% of outdoor unit capacity		
	Model / Quantity		P15-P140/12		P15-P200/12
Sound Pressure Level [Measured in Anechoic Room]	dB	54/56		57/61	
Refrigerant Piping Diameter	Liquid Pipe	mm (in.)	9.52 (3/8) Flare *8		
	Gas Pipe	mm (in.)	15.88 (5/8) Flare	19.05 (3/4) Flare	
Fan	Type X Quantity		Propeller fan x 1		Propeller fan x 2
	Air Flow Rate	m <sup>3</sup> /min	83	120	134
		L/s	1383	2000	2233
		cfm	2931	4237	4732
	Control, Driving Mechanism		DC control		
Motor Output	kW	0.20 x 1		0.20 + 0.20	
Compressor	Type X Quantity		Twin rotary hermetic compressor x 1		Scroll hermetic compressor x 1
	Manufacturer		Mitsubishi Electric Corporation		
	Starting Method		Inverter		
	Motor Output	kW	3.7	5.3	
External Finish			Galvanised steel sheet munsell No. 3Y 7.8/1.1		
External Dimension [HxWxD]		mm	981 x 1050 x 330 (+25)	1338 x 1050 x 330 (+25)	
Protection Devices	High Pressure Protection		High pressure switch		
	Inverter Circuit [COMP/FAN]		Overcurrent detection, overheat detection (heat sink thermistor)		
	Compressor		Compressor thermistor, overcurrent detection		
	Fan Motor		Overheating, voltage protection		
Refrigerant	Type X Original Charge		R410A x 4.8kg	R410A x 7.3kg	
	Control		Electronic expansion valve		Linear expansion valve
Net Weight	kg	93 *6	94 *7	138 *9	
Heat Exchanger			Cross fin and copper tube		
HIC Circuit [HIC: Heat Inter-Changer]			HIC circuit		
Defrosting Method			Reversed refrigerant circuit		
Optional Parts			Joint: CMY-Y62-G-E Header: CMY-Y64/68-G-E		

## Remarks:

\*1, \*2 Nominal conditions.

	Indoor	Outdoor	Pipe Length	Level Difference	External Static Pressure (Outdoor Unit)
Cooling	27°C DB/19°C WB	35°C DB	7.5m	0m	0Pa
Heating	20°C DB	7°C DB/6°C WB			

\*3 MEPS Part load.

\*4 10 to 52: When connecting following models: PKFY-P15/20/25VBM,PKFYP10/15/20/25/32VLM, PFFY-P20/25/32VLE(R)M, PFFY-P20/25/32VKM, and M Series, S Series, and P Series type indoor unit with branch box, M Series type indoor unit with connection kit.

\*5 -15 to 52: When using an optional air protect guide [PAC-SH95AG-E]. However, this condition does not apply to the indoor unit listed in \*4.

\*6 94 (207): For PUMY-SP80/112/125/140VKMD.TH-A-BS.\*6 93 and PUMY-SP112/125/140VKMD. TH-A-BS.

\*7 95 (209): For PUMY-SP112/125/140YKMD.TH-A-BS.

\*8 Liquid pipe diameter: 12.7mm, when further piping length is longer than 60m, or the farthest length of the main pipe between the outdoor unit and the branch box is longer than 20m in the branch box system.

\*9 139(306): For PUMY-P200YKMD-A-BS.

## Notes:

1. Nominal conditions \*1, \*2 are subject to ISO 15042.

2. Due to continuing improvement, above specifications may be subject to change without notice.

# Optional Parts Indoor Units

Indoor Unit		Option		MAC-408FT-E	MAC-2350FT-E	MAC-2310FT	MAC-2320FT	MAC-3010FT-E	PAC-SH59KF-E	PAC-SH88KF-E	PAC-SH89KF-E	PAC-SH90KF-E	PAC-KE93TB-E	PAC-KE94TB-E	MAC-1001CL-E	PAC-SF1ME-E	PAC-SE1ME-E	PAC-SJ37SP-E	PAC-SJ41TM-E	PAC-SH65OF-E	PAC-SF28OF-E	PAC-SJ65AS-E	PAC-SJ92DM-E	PAC-SJ93DM-E	PAC-SJ94DM-E	PAC-KE07DM-E					
		Anti-Allergy Enzyme Filter	Electrostatic Anti-Allergy Enzyme Filter																								Deodorising Filter	High-Efficiency Filter Element	Filter Box	Soft-Dry Cloth	3D I-See Sensor Corner Panel
M Series	Wall Mounted	MSZ-LN25VG(V)(B)(R)						●																							
		MSZ-LN35VG(V)(B)(R)							●																						
		MSZ-LN50VG(V)(B)(R)							●																						
		MSZ-LN60VG(V)(B)(R)							●																						
		MSZ-EF22VG (W/B/S) -A1						●																							
		MSZ-EF25VG (W/B/S) -A1						●																							
		MSZ-EF35VG (W/B/S) -A1						●																							
		MSZ-EF42VG (W/B/S) -A1						●																							
		MSZ-EF50VG (W/B/S) -A1						●																							
		MSZ-AP22VG(K)D	●					●																							
		MSZ-AP25VG(K)D	●					●																							
		MSZ-AP35VG(K)D	●					●																							
		MSZ-AP42VG(K)D	●					●																							
		MSZ-AP50VG(K)D	●					●																							
		MSZ-AP60VG(K)D		●	●																										
		MSZ-AP71VG(K)D		●	●																										
	MSZ-AP80VG(K)D		●	●																											
	Floor Standing	MFXZ-KW25VG	●					●																							
MFXZ-KW35VG		●					●																								
MFXZ-KW50VG		●					●																								
Ceiling Cassette	MLZ-KP25VF	●					●																								
	MLZ-KP35VF	●					●																								
	MLZ-KP50VF	●					●																								
S Series	Ceiling Cassette	SLZ-M25FA-A														●															
		SLZ-M35FA-A														●															
		SLZ-M50FA-A														●															
		SLZ-M60FA-A														●															
	Ceiling Concealed	SEZ-M25DA(L)																											●		
		SEZ-M35DA(L)																											●		
		SEZ-M50DA(L)																											●		
		SEZ-M60DA(L)																											●		
		SEZ-M71DA(L)																											●		
		P Series	Ceiling Cassette	PLA-M71EA-A							●									●	●	●	●		●						
PLA-M100EA-A									●									●	●	●	●		●								
PLA-M125EA-A									●									●	●	●	●		●								
PLA-M140EA-A									●									●	●	●	●		●								
Ceiling Suspended	PCA-M50KA										●													●							
	PCA-M60KA											●															●				
	PCA-M71KA												●													●					
	PCA-M100KA													●												●					
Ceiling Concealed	PEAD-M71JAA(D)													●																	
	PEAD-M100JAA(D)														●																



# Outdoor Units

Option Outdoor Unit	Joint Pipe					Air Outlet Guide	Drain Socket			
	Unit Ø9.52 Pipe Ø15.88	Unit Ø6.35 Pipe Ø9.52	Unit Ø9.52 Pipe Ø12.7	Unit Ø12.7 Pipe Ø9.52	Unit Ø12.7 Pipe Ø15.88					
	Flare									
	PAC-SG76RJ-E	PAC-493PI	MAC-A454 JP-E	MAC-A455JP-E	MAC-A456JP-E	MAC-889SG	MAC-856SG	PAC-SG59 SG-E	PAC-SH96 SG-E	PAC-SG60 DS-E
<b>MXZ Series</b>			●			●				
MXZ-2F52VF-A1			●				●			
MXZ-2F52VGD-A1			●				●			
MXZ-3F54VGD-A1			●				●			
MXZ-4F71VGD-A1	●	●	●	●	●		●			
MXZ-4F80VGD-A1	●	●	●	●	●				●	●
MXZ-5F100VGD-A1	●	●	●	●	●				●	●
MXZ-6F120VGD-A1	●	●	●	●	●				●	●

Option Outdoor Unit	Joint Pipe					Branch Box Outdoor Cover	Air Outlet Guide	Air Protection Guide	2 Branch Pipe (Joint)	Drain Socket
	Unit Ø9.52 Pipe Ø15.88	Unit Ø6.35 Pipe Ø9.52	Unit Ø9.52 Pipe Ø12.7	Unit Ø12.7 Pipe Ø9.52	Unit Ø12.7 Pipe Ø15.88					
	Flare									
	PAC-SG76RJ-E	PAC-493PI	MAC-A454 JP-E	MAC-A455JP-E	MAC-A456JP-E	PAC-AK 350CVR-E	PAC-SH96SG-E	PAC-SH95SG-E	CMY-Y62-G-E	PAC-SG61 DS-E
<b>PUMY Series</b>							●	●	●	●
PUMY-SP80V(Y)KMD							●	●	●	●
PUMY-SP112V(Y)KMD							●	●	●	●
PUMY-SP125V(Y)KMD							●	●	●	●
PUMY-SP140V(Y)KMD							●	●	●	●
PUMY-P200YKMD							●	●	●	●
PAC-MK33BC	●	●	●	●	●	●				
PAC-MK53BC	●	●	●	●	●	●				

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