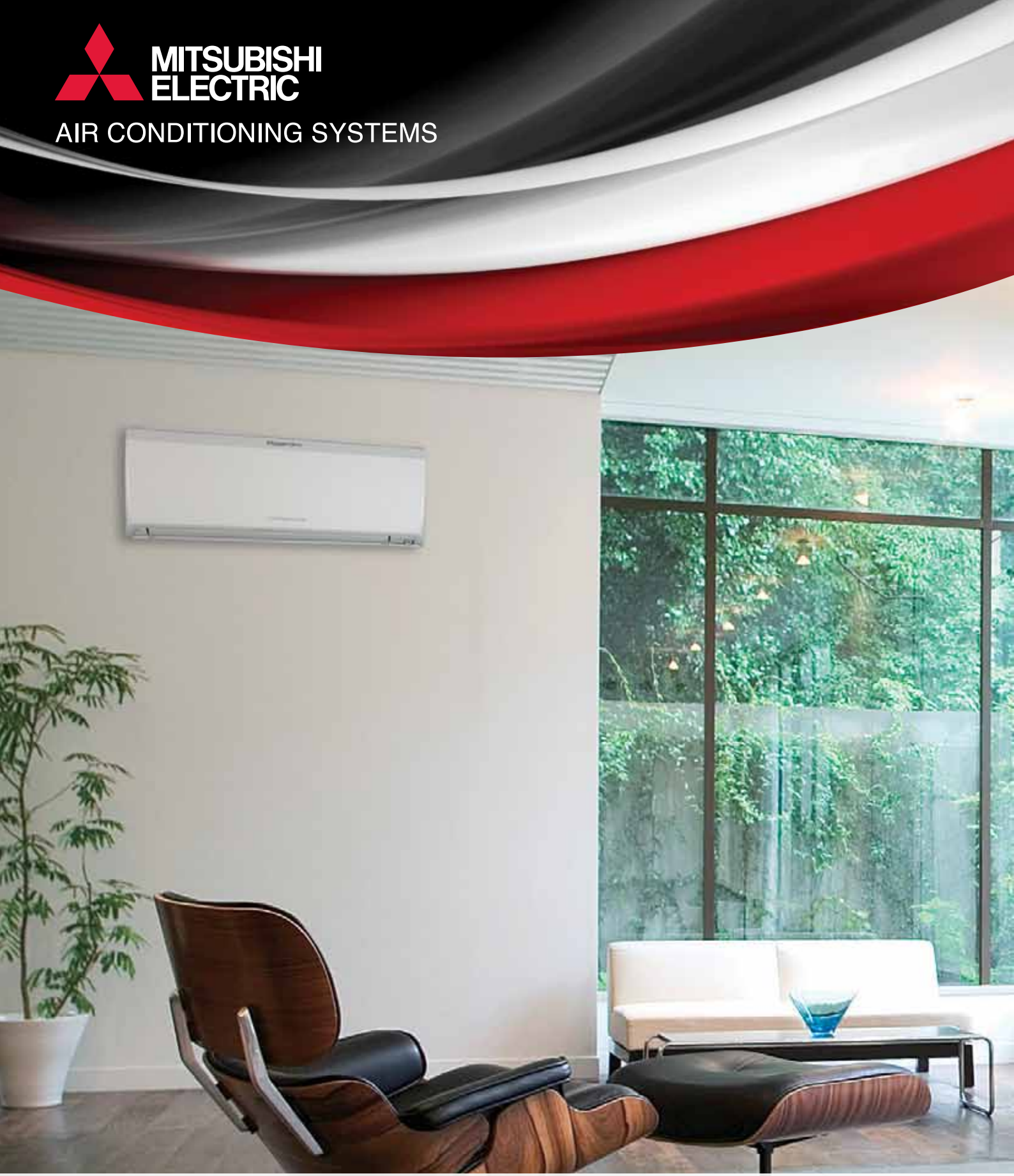
MITSUBISHI ELECTRIC

AIR CONDITIONING SYSTEMS



Mitsubishi Electric Quality

Natural Comfort for Everybody

Comfort and Style, Room to Room

Quiet, energy-saving, clean and attractive air conditioners in a variety of designs to suit diversified needs; this is the air conditioning excellence offered by Mitsubishi Electric. With stylish lines for the living room and quiet operation for the bedroom, our air conditioners are designed for comfort, durability, health and efficiency. Utilising accumulated expertise and innovative technologies, Mitsubishi Electric air conditioners provide advanced air control and comfort for all rooms.

Stylish Design

Small, smart, sophisticated. Indoor units for every room.

Quiet Operation

Hard at work to keep you comfortable, yet so quiet, you'll never notice it.

Only 19 dB

Energy Saving

Reduced power consumption, higher performance.

DC Inverter

Air Freshening

A unique air-cleaning system for constant delivery of fresh air.

Plasma Duo Filter Systems

Catechin

Mitsubishi Electric – Quality that brings comfort to life!

Are you looking for an energy efficient system that provides warm, even heat in winter and cool comfort in summer? The answer lies in reverse cycle air conditioning from Mitsubishi Electric.

Mitsubishi Electric has a model for you. Stylish lines for the living room and quiet operation for the bedroom. Designed for comfort, durability, health and efficiency, advanced air control from room to room. Mitsubishi Electric – quality that brings comfort to life.

Higher performance, lower power consumption and longer life.

When it comes to comfort, efficiency and durability, Mitsubishi Electric has a distinct advantage over the opposition, we call it MEQ – Mitsubishi Electric Quality. Simply put it is a superior standard that we apply to our own business. While other systems may meet stringent industry standards, Mitsubishi Electric continually strives to exceed them. MEQ delivers air conditioning systems at the leading edge of technology that operate efficiently in extreme weather conditions, year in year out.

MEQ gives us 3 important advantages:

Comfort: We have created products that are designed to provide you with exceptional comfort in your surroundings, in all weather conditions.

Efficiency: We strive for the perfect balance of performance, reliability, low power consumption and a long operational life span for all our products. The result is an air conditioning range that is rated amongst the best in the industry in terms of design, quality and energy efficiency.

Durability: We subject the indoor and outdoor units of all our systems to rigorous durability testing, which includes harsher temperature extremes than are likely to be found anywhere in the world. This allows us to produce higher quality products that protect your investment through years of reliable service.

The Mitsubishi Electric Story.

Our commitment to quality, service, research and development has helped us gain a leading position in today's marketplace.

Mitsubishi Electric have a proud history in the manufacturing and supply of leading edge electrical and electronic equipment for both domestic and commercial use. Our efforts to make indoor life more comfortable began in 1921, with the introduction of our first electric fan which became an instant hit. Some 10 years later we began to manufacture coolers, which were just as popular.

Since then our understanding that technology is the driving factor of change in our lives has seen us become a world leader in energy efficient air conditioning systems. However our development of breakthrough technologies and products is not just restricted to heating and cooling.

Since 1980 to the present day the pace at which Mitsubishi Electric has introduced and refined products that benefit society, industry and individuals, has been nothing less than astonishing.

These technologies include the world's first large scale LED Screen for sports arenas, the world's largest CRT television screen for the consumer market, the world's first spiral escalator, the world's fastest elevators, the antenna technology behind the world's first in-flight internet service, solar cell technology and much more. Today Mitsubishi Electric is a global giant with operations in over 35 countries, with more than 97,000 employees.

Our commitment to quality service, research and development has helped us gain a leading position in today's marketplace in a wide variety of areas including heating, cooling and air conditioning. Mitsubishi Electric's *'today technology'* provides climate controlled comfort wherever you live, work and relax.

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

Line-up

Wall-mounted

F Series P.17 / G Series P.20

MSZ-F Series

2.0kW	2.5kW	3.5kW	5.0kW	6.0kW	7.1kW	8.0kW
	✔	✔*	✔*			

● DC Inverter ● Heat Pump ● Flat Panel ● Quiet Operation ● Plasma Duo ● i-see Sensor
● Mould Fighter ● Quick Clean ● 24-hour Timer ● Auto Change Over

MSZ-G Series

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

● DC Inverter ● Heat Pump ● Flat Panel ● Quiet Operation ● Nano Platinum Filter (60/71/80)
● Catechin Filter (25/35/42/50) ● Electrostatic Anti-allergy Enzyme Filter (60/71/80)
● Quick Clean ● Weekly Timer (60/71/80) ● 24-hour Timer ● Auto Change Over
● Wide & Long Airflow ● Powerful Mode (60/71/80)

Floor-standing

P.23

MFZ Series

2.0kW	2.5kW	3.5kW	5.0kW	6.0kW	7.1kW	8.0kW
	✔	✔*	✔*			

● DC Inverter ● Heat Pump ● Quiet Operation ● Catechin Filter ● Anti-allergy Enzyme Filter
● i save Mode ● 24-hour Timer ● Auto Change Over

Ceiling-cassette / Ceiling-concealed

P.26

SLZ Series

2.0kW	2.5kW	3.5kW	5.0kW	6.0kW	7.1kW	8.0kW
	✔	✔*	✔			

● Heat Pump ● Quiet Operation ● 2×2 Compact Size ● Long-life Filter ● Fresh-air Intake
● Weekly Timer ● Auto Change Over

SEZ Series

2.0kW	2.5kW	3.5kW	5.0kW	6.0kW	7.1kW	8.0kW
	✔	✔	✔	✔	✔	

● DC Inverter ● Heat Pump ● Quiet Operation ● 200mm Compact Size ● Air Cleaning Filter
● Weekly Timer ● Auto Change Over

* Multi connection only.

Multi Series (Inverter Heat Pump)

P.29

	Wall-mounted	Floor-standing	Ceiling-suspended	Cassette	Ceiling-concealed
					
Up to **8** indoor units **MXZ-8B160VA** 15.5kW 	**MSZ-F✻25/35/50** MSZ-G✻22/25/35/50/60/71/80 MSZ-EF22/25/35/42/50	**MFZ-KA25/35/50**		**SLZ-KA25/35/50 PLA-RP60/71**	**SEZ-KD25/35/50/60/71 PEAD-RP71/100**
Up to **8** indoor units **MXZ-8B140VA** 14.0kW 	**MSZ-F✻25/35/50** MSZ-G✻22/25/35/50/60/71/80 MSZ-EF22/25/35/42/50	**MFZ-KA25/35/50**		**SLZ-KA25/35/50 PLA-RP60/71**	**SEZ-KD25/35/50/60/71 PEAD-RP71/100**
Up to **6** indoor units **MXZ-6C120VA** 12.0kW 	**MSZ-F✻25/35/50** MSZ-G✻22/25/35/42/50/60/71/80 MSZ-EF22/25/35/42/50	**MFZ-KA25/35/50**	**PCA-RP50/60/71**	**SLZ-KA25/35/50 PLA-KA60/71**	**SEZ-KD25/35/50/60/71**
Up to **5** indoor units **MXZ-5C100VA** 10.0kW 	**MSZ-F✻25/35/50** MSZ-G✻22/25/35/50/60/71 MSZ-EF22/25/35/42/50	**MFZ-KA25/35/50**	**PCA-RP50/60/71**	**SLZ-KA25/35/50 PLA-RP60/71**	**SEZ-KD25/35/50/60/71 PEAD-RP71**
Up to **4** indoor units **MXZ-4C80VA** 8.0kW 	**MSZ-F✻25/35/50** MSZ-G✻22/25/35/50/60/71 MSZ-EF22/25/35/42/50	**MFZ-KA25/35/50**	**PCA-RP50/60/71**	**SLZ-KA25/35/50 PLA-RP60/71**	**SEZ-KD25/35/50/60/71 PEAD-RP71**
Up to **4** indoor units **MXZ-4C71VA** 7.1kW 	**MSZ-F✻25/35/50** MSZ-G✻22/25/35/50/60 MSZ-EF22/25/35/50	**MFZ-KA25/35/50**	**PCA-RP50/60**	**SLZ-KA25/35/50 PLA-RP60**	**SEZ-KD25/35/50/60**
Up to **3** indoor units **MXZ-3C54VA** 5.4kW 	**MSZ-F✻25/35/50** MSZ-G✻22/25/35/50 MSZ-EF22/25/35/50	**MFZ-KA25/35/50**	**PCA-RP50**	**SLZ-KA25/35/50**	**SEZ-KD25/35/50**
Up to **2** indoor units **MXZ-2C52VA** 5.2kW 	**MSZ-F✻25/35** MSZ-G✻22/25/35 MSZ-EF22/25/35	**MFZ-KA25/35**		**SLZ-KA25/35**	**SEZ-KD25/35**

The details of Multi Series: Please refer to Multi-Split system brochure.

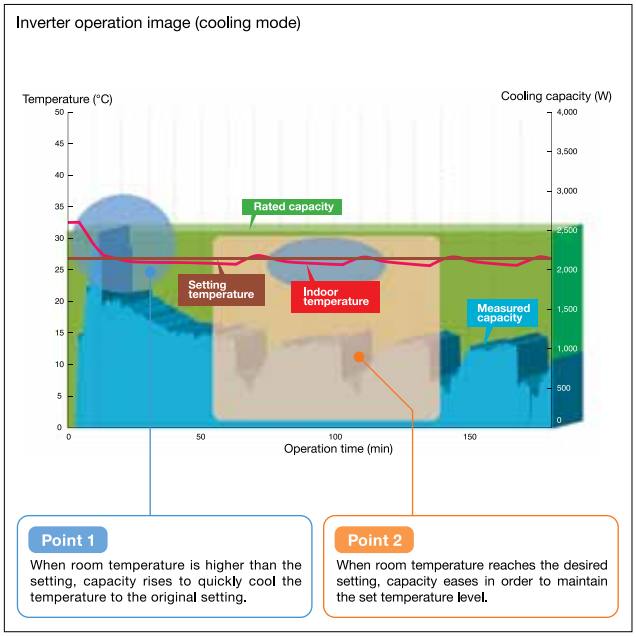
Inverter Technologies

Inverters – How They Work

Inverters electronically control the electrical voltage, current and frequency of electrical devices such as the compressor motor in an air conditioner. They receive information from sensors monitoring operating conditions, and adjust the revolution speed of the compressor, which directly regulates air conditioner output. Optimum control of operation frequency results in eliminating consumption of excessive electricity whilst providing the most comfortable room environment.

True Comfort

Simple comparison of air conditioner operation control with and without an inverter.



Point 1 Quick & Powerful

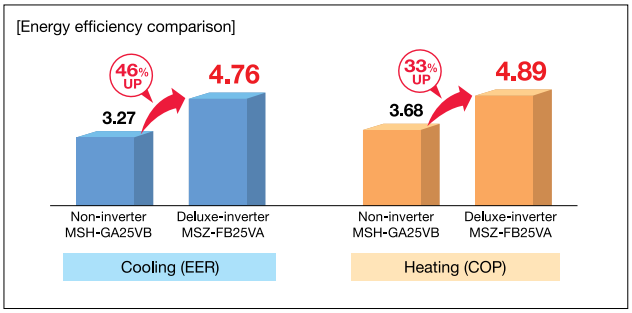
Increasing the compressor motor speed by controlling the operation frequency ensures powerful output at start-up, and brings the room temperature to the comfort zone faster than units not equipped with an inverter. Hot rooms are cooled, and cold rooms are heated faster and more efficiently.

Point 2 Room Temperature Maintained

The compressor motor operating frequency and the change of room temperature are monitored to calculate the most efficient waveform to maintain the room temperature in the comfort zone. This eliminates the large temperature swings common with non-inverter systems, and guarantees a pleasant, comfortable environment.

Economic Operation

Impressively low operating cost is a key advantage of inverter air conditioners. We've combined advanced inverter technologies with cutting-edge electronics and mechanical technologies to achieve a synergistic effect that enables improvements in heating/cooling performance efficiency. Better performance and lower energy consumption are the result.



More Advantages with Mitsubishi Electric

Joint Lap DC Motor

Mitsubishi Electric has developed a unique motor, called the "Poki-Poki Motor" in Japan, which is manufactured using a joint lapping technique. This innovative motor operates based on a high-density, high-magnetic force, leading to extremely high efficiency and reliability.

Magnetic Flux Vector Sine Wave Drive

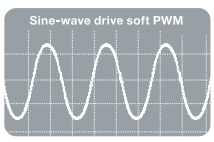
This drive device is actually a microprocessor that converts the compressor motor's electrical current waveform from a conventional waveform to a sine wave (180° conductance) to achieve higher efficiency by raising the motor winding utilisation ratio and reducing energy loss.

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, less power is used and annual electricity cost is reduced.

Smooth wave pattern

Inverter size has been reduced using insert-moulding, where the circuit pattern is moulded into the synthetic resin. To ensure quiet operation, soft PWM control is used to prevent the metallic whine associated with conventional inverters.

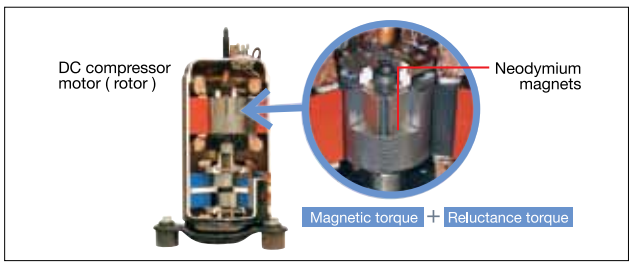


Mitsubishi Electric inverters ensure superior performance including the optimum control of operation frequency. As a result, optimum power is applied in all heating/cooling ranges and maximum comfort is achieved while consuming minimal energy. Fast, comfortable operation and amazingly low running cost — That's the Mitsubishi Electric promise.

More Advantages with Mitsubishi Electric

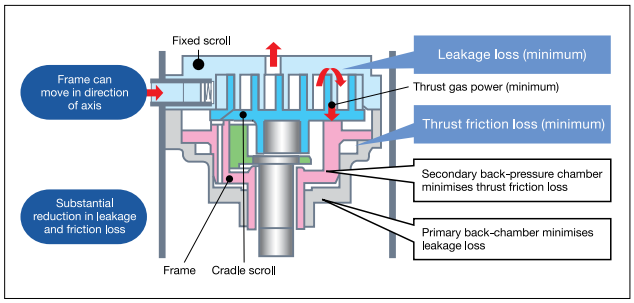
Reluctance DC Rotary Compressor

Powerful neodymium magnets are used in the rotor of the reluctance DC motor. More efficient operation is realised by strong magnetic and reluctance torques produced by the magnets.



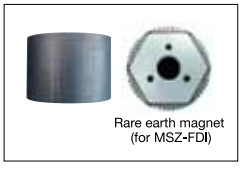
Highly Efficient DC Scroll Compressor

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 leakage and friction loss, and ensuring extremely high efficiency at all speeds.



Rare Earth Magnet Rotor (Compressor)

An innovative motor with a rare earth magnet rotor is used in the compressor to ensure excellent efficiency. The rare earth magnet has a residual magnetic flux density three times that of the previously used ferrite magnet.

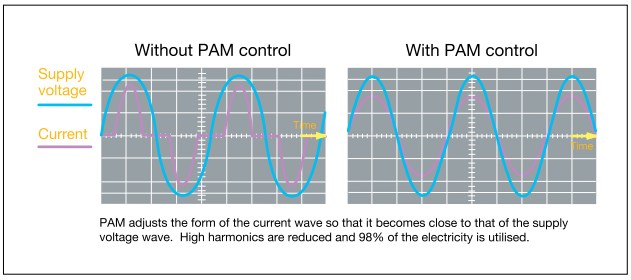


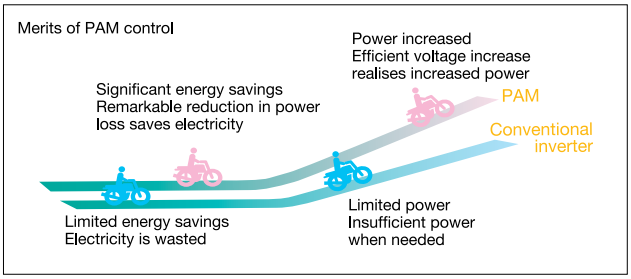
DC Fan Motor

A highly efficient DC motor drives the fan of the outdoor unit. Efficiency is much higher than an equivalent AC motor.

PAM (Pulse Amplitude Modulation)

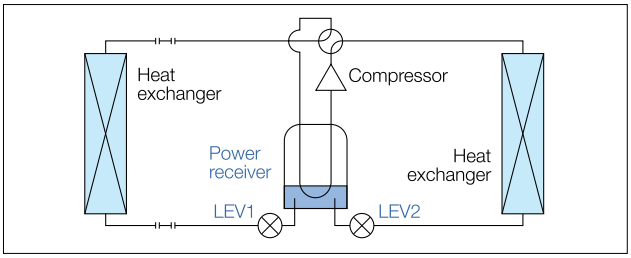
PAM is a technology that controls the current waveform so that it resembles the supply voltage wave, thereby reducing loss and realising more efficient use of electricity. Using PAM control, 98% of the input power supply is used effectively.





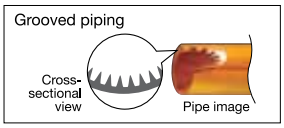
Power Receiver and Twin LEV Control

Mitsubishi Electric has developed a power receiver and twin linear expansion valve (LEV) circuit that optimises compressor performance. This technology ensures optimum control in response to operating waveform and outdoor temperature. Operating efficiency has been enhanced by tailoring the system to the characteristics of R410A refrigerant.



Grooved Piping

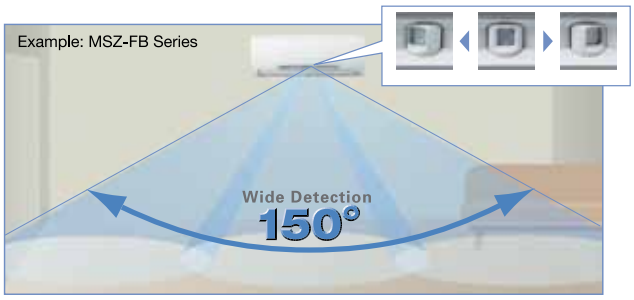
High-performance grooved piping is used in heat exchangers to increase the heat-exchange area.



Functions 01

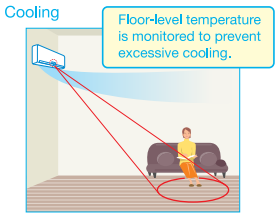
Energy-saving Operation

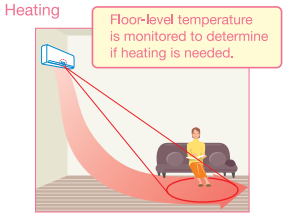
i-see Sensor Felt Temperature Control



The “i-see Sensor” sweeps from side-to-side automatically monitoring the floor temperature over a wide area spanning 150°.

Conventional air conditioners monitor the air temperature at the top of a room to control room temperature and fail to take foot-level temperature, that which has the strongest impact on room comfort, into consideration. The “i-see Sensor” monitors the floor temperature and estimates the “felt temperature” (i.e., the temperature felt by people in the room). The airflow speed and temperature are adjusted to prevent over-heating/cooling, thereby eliminating the consumption of excessive electricity.



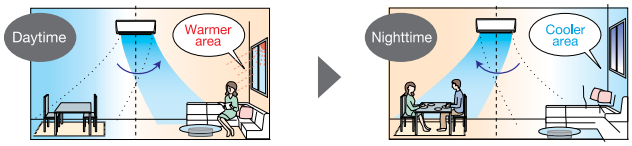


“I Feel” Control

The “I Feel” fuzzy-logic control memorises the most desirable temperature setting. If the “TOO WARM” or “TOO COOL” button on the remote controller is pressed, the system adds the choice to the control memory and adjusts the temperature so that the most comfortable temperature is provided. That temperature setting is used the next time the unit is turned on.

Area Temperature Monitor

The “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. (When cooling the room, if the middle of the room is detected to be hotter, more airflow is directed towards it.) This eliminates unnecessary heating /cooling and contributes to lower electricity costs.

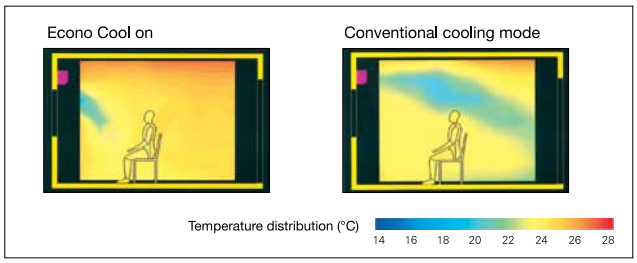


Econo Cool Energy-saving Feature

“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 20% gain in energy efficiency. (Function only available during manual cooling operation.)

	Conventional	Econo Cool
Ambient temperature	35°C	35°C
Set temperature	25°C	27°C
Perceived temperature	30°C	**29.3°C**

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



Attractive

Pure White

Pure white is adopted for the unit colour; white expresses the essence of cleanliness and easily matches virtually all interior décor.

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.

Air Quality

Plasma Duo

Units are equipped with a pre-filter and two special filters that perform plasma air cleaning and plasma purification functions (Plasma Duo). The plasma system removes bad odours and bacterial particles of micron- and nanometre-size from the air.

Air Cleaning Filter

The filter is charged with static electricity, enabling it to attract and capture dust particles that regular filters don't.

Fresh-air Intake

Indoor air quality is enhanced by the direct intake of fresh exterior air.

Anti-allergy Enzyme Filter

The anti-allergy enzyme filter works to trap allergens such as moulds and bacteria and decompose them using enzymes retained in the filter.

Electrostatic Anti-allergy Enzyme Filter

This function utilises both the air cleaning filter and anti-allergy enzyme filter.

Catechin Filter

Catechin is a bioflavonoid by-product of green tea with both antiviral and antioxidant qualities. It also has an excellent deodorising effect, which is why Mitsubishi Electric uses the compound in its air conditioner filters. In addition to improving air quality, it prevents the spreading of bacteria and viruses throughout the room. Easily removed for cleaning and maintenance, when the filter is washed regularly the deodorising action is rated to last more than 10 years.

Nano Platinum Filter

The filter has a large capture area and incorporates nanometre-sized platinum-ceramic particles that work to kill bacteria and deodorise the circulating air. Better dust collection than conventional filters is also ensured.

Air Distribution

Horizontal Vane

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

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.

Vertical Vane

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

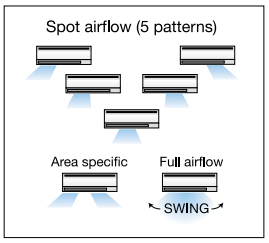
Auto Fan Speed Mode

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

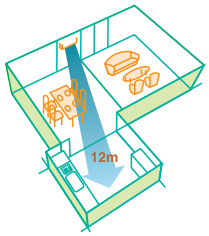
Wide and Long Airflow

The wide and long airflow function is especially beneficial for large spaces, helping to ensure that air is well circulated and reaches every corner of the room.

Wide Airflow
This unique airflow system distributes air horizontally over a wide-ranging 150° in heating mode and 100° in cooling mode. Simply press the Wide Swing icon on the remote controller to select the desired airflow from seven different patterns.



Long Airflow
Use this function to ensure that the airflow circulates to areas far across the room. Press the Long Airflow icon on the remote controller to extend reach up to as far as 12 metres from the unit.



Functions | 02

Convenience

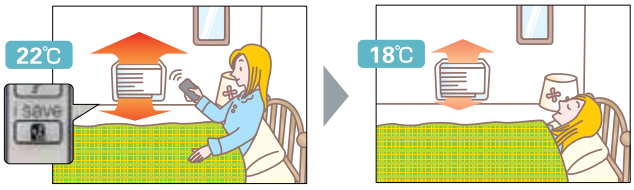
On/Off Operation Timer

Use the remote controller to set the times for the air conditioner to turn on/off.

"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 in repetition to immediately return to the previous temperature setting. Using this function contributes to comfortable waste-free operation, realising the most suitable air conditioning settings and saving on power consumption when, for example, leaving the room or going to bed.

Pictured: MFZ Series remote controller



Auto Changeover

The air conditioner automatically switches between heating and cooling modes to maintain the desired temperature.

Low-temperature Cooling

Intelligent fan speed control in the outdoor unit ensures optimum performance even when the outside temperature is low.

Auto Restart

Especially useful at the time of power outages, the unit turns back on automatically when power is restored.

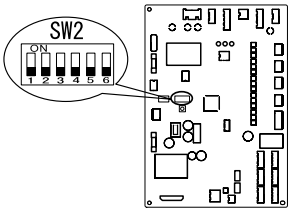
Low-noise Operation (Outdoor Unit)

System operation can be adjusted to prioritise less noise from the outdoor unit over air conditioning performance.

Ampere Limit Adjustment

Dipswitch settings can be used to adjust the maximum electrical current for operation. This function is highly recommended for managing energy costs. *Maximum capacity is lowered with the use of this function.

Dipswitch setting (board for MXZ-5)



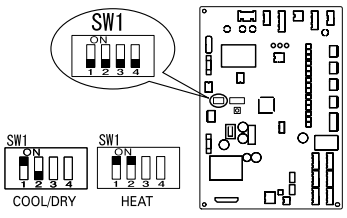
SW2	Ampere limit
	10.5A
	15.5A
	Full (default setting)

*MXZ-5

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.

Dipswitch setting (board for MXZ-5)



System Control

PAR-30MAA Control

Units are compatible for use with the PAR-30MAA remote controller, which has a variety of management functions including a weekly timer.

System Group Control

The same remote controller is capable of controlling the operational status of up to 16 refrigerant systems.

M-NET Connection

Units can be connected to MELANS system controllers (M-NET controllers) such as the AG-150A.

COMPO (Simultaneous Multi-unit Operation)

Multiple indoor units can be connected to a single outdoor unit. (Depending on the unit combination, connection of up to four units is possible; however, all indoor units must operate at the same settings.)

MXZ Connection

Connection to the MXZ multi-split outdoor unit is possible.

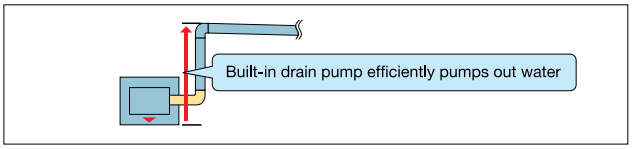
Installation

Cleaning-free Pipe Reuse

The application of pipe reuse technology such as Mitsubishi Electric's original hard alkyl benzene oil makes it possible to reuse the same piping, thereby allowing cleaning-free renewal of air conditioning systems that use R22 refrigerant.

Drain Pump

A built-in drain pump enables drain piping to be raised.



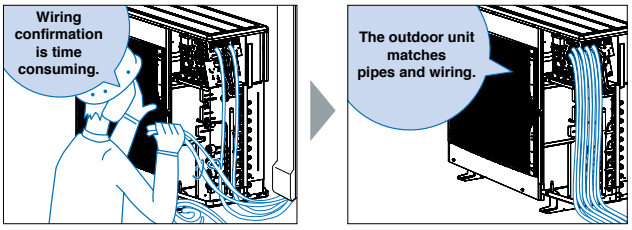
Flare Connection

Flare connection to cooling pipe work is possible.

Wiring/Piping Correction Function*

The push of a single button is all that is required to confirm that piping and wiring are properly connected. Corrections are made automatically if a wiring error is detected, eliminating the need for complicated wiring confirmation work when expanding the number of rooms served.

*This function cannot be used when the outdoor temperature is below 0°C. The correction process requires 10–15 minutes, and only works when the unit is set to the cooling mode.



Maintenance

Quick Clean Body

The cover panel can be quickly removed for washing and the airflow vents can be opened without any special tools, making it easy to clean the inside of the air conditioner in minutes. Periodic cleaning of the air conditioner is recommended to maintain optimum operating efficiency and energy savings.

Self-diagnostic Function (Check Code Display)

Check codes are displayed on the remote controller or the operation indicator to inform the user of malfunctions detected.

Failure Recall Function

Operation failures are recorded, allowing confirmation when needed.

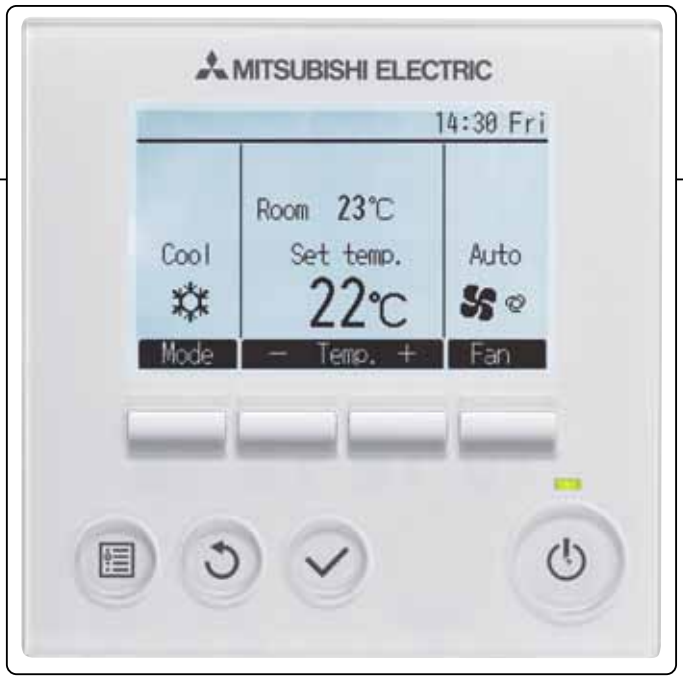
FEATURES

Category		Icon		M SERIES																					
		Combination	Indoor unit	MSZ-FB25/35/50VA							MSZ-GE22/25/35/42/50/60/71/80VA							MFZ-KA25/35/50VA						
			Outdoor unit	MUZ -FB	MXZ -2C	MXZ -3C	MXZ -4C	MXZ -5C	MXZ -6C	MXZ -8B	MUZ -GE	MXZ -2C	MXZ -3C	MXZ -4C	MXZ -5C	MXZ -6C	MXZ -8B	SUZ -KA	MXZ -2C	MXZ -3C	MXZ -4C	MXZ -5C	MXZ -6C	MXZ -8B
Technology	DC Inverter			●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	Joint Lap DC Motor			●	●	●	71				●	●	●	71				●	●	●	71				
	Magnetic Flux Vector Sine Wave Drive									●							●								●
	Reluctance DC Rotary Compressor						80	●	●					80	●	●					80	●	●		
	Highly Efficient DC Scroll Compressor									●							●								●
	Rare Earth Magnet Rotor (Compressor)			●	●	●	●	●	●	●	●*1	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	DC Fan Motor			●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	Vector-Wave Eco Inverter									●							●								●
	PAM (Pulse Amplitude Modulation)			●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	Power Receiver and Twin LEV Control					●	●	●	●				●	●	●	●				●	●	●	●		
	Grooved Piping			●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Functions	Energy Saving	Felt Temperature Control (i-see Sensor)		●	●	●	●	●	●	●															
		Area Temperature Monitor		●	●	●	●	●	●	●															
		Econo Cool Energy-saving Feature		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
		'I Feel' Control																							
		Demand Function								Optional							Optional								Optional
	Attractive	Pure White		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
		Auto Vane		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	Air Quality	Plasma Duo		●	●	●	●	●	●	●															
		Air-cleaning Filter																							
		Fresh-air Intake																							
		Anti-allergy Enzyme Filter									●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
		Electrostatic Anti-allergy Enzyme Filter									●		●	●	●	●	●								
		High-efficiency Filter																							
		Catechin Filter									22-50	22-50	22-50	22-50	22-50	22-50	22-50	●	●	●	●	●	●	●
		Nano Platinum Filter									60-80			60/71	60/71	60/71	60-80								
		Oil Mist Filter																							
		Long-life Filter																							
		Filter Check Signal																							
	Air Distribution	Horizontal Vane		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
		Vertical Vane		●	●	●	●	●	●	●	60/71/80			60/71	60/71	60/71	60/71								
		High Ceiling Mode																							
		Low Ceiling Mode																							
		Auto Fan Speed Mode		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
		Wide and Long Airflow									60/71/80			60/71	60/71	60/71	60/71								
	Convenience	On/Off Operation Timer		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
		Weekly Timer									60-80			60/71	60/71	60/71	60-80								
		"i save" Mode									●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
		Auto Changeover		●	●*2	●*2	●*2	●*2	●*2	●*2	●	●*2	●*2	●*2	●*2	●*2	●*2	●	●*2	●*2	●*2	●*2	●*2	●*2	●*2
		Auto Restart		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
		Low-temperature Cooling		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
		Low-noise Operation (Outdoor Unit)			●	●	●	●	●	●		●	●	●	●	●	●		●	●	●	●	●	●	●
		Ampere Limit Adjustment					80	●	●	●				80	●	●	●				80	●	●	●	●
		Operation Lock			●	●	●	●	●	●		●	●	●	●	●	●		●	●	●	●	●	●	●
		Rotation, Back-up and 2nd Stage Cut-in Functions																							
	System Control	PAR-30MAA Control		Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
		System Group Control		Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
		M-NET Connection		Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
		COMPO																							
		MXZ Connection			●	●	●	●	●	●		22-50	22-50	●	●	●	●		●	●	●	●	●	●	●
	Installation	Cleaning-free Pipe Reuse		●	●	●	●	●	●		●	●	●	●	●	●		●	●	●	●	●	●	
		Reuse of Existing Wiring																							
		Wiring/Piping Correction Function			●		80	●	●			●		80	●	●			●		80	●	●		
		Drain Pump																							
		Pump Down Switch																							
		Flare Connection		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	Maintenance	Quick Clean Body		●	●	●	●	●	●	●	●	●	●	●	●	●	●								
		Self-Diagnosis Function (Check Code Display)		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
		Failure Recall Function		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●

*1: except for GE25VA *2: When multiple indoor units connected to an MXZ outdoor unit are running at the same time, simultaneous cooling and heating is not possible.

• The figures listed in the table are "only when combined with an outdoor unit with the appropriate capacity range".
• Optional: Separate parts must be purchased.

	S SERIES																				
	SLZ-KA25/35/50VAQ							SLZ-KA25/35/50VAL							SEZ-KD25/35/50/60/71VAQ						
	SUZ -KA	MXZ -2C	MXZ -3C	MXZ -4C	MXZ -5C	MXZ -6C	MXZ -8B	SUZ -KA	MXZ -2C	MXZ -3C	MXZ -4C	MXZ -5C	MXZ -6C	MXZ -8B	SUZ -KA	MXZ -2C	MXZ -3C	MXZ -4C	MXZ -5C	MXZ -6C	MXZ -8B
	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	●	●	●	71				●	●	●	71				●	●	●	71			
							●							●							●
				80	●	●					80	●	●					80	●	●	
							●							●							●
	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
							●							●							●
	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
			●	●	●	●				●	●	●	●				●	●	●	●	
	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
							Optional							Optional							Optional
	●	●	●	●	●	●	●	●	●	●	●	●	●	●							
	●	●	●	●	●	●	●	●	●	●	●	●	●	●							
															●	●	●	●	●	●	●
	●	●	●	●	●	●	●	●	●	●	●	●	●	●							
	●	●	●	●	●	●	●	●	●	●	●	●	●	●							
	●	●	●	●	●	●	●								●	●	●	●	●	●	●
	●	●	●	●	●	●	●	●	●	●	●	●	●	●							
															●	●	●	●	●	●	●
	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	●														●						
	●	●*2	●*2	●*2	●*2	●*2	●*2	●	●*2	●*2	●*2	●*2	●*2	●*2	●	●*2	●*2	●*2	●*2	●*2	●*2
	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
		●	●	●	●	●	●		●	●	●	●	●	●		●	●	●	●	●	●
				80	●	●	●				80	●	●	●				80	●	●	●
	●	●	●	●	●	●	●		●	●	●	●	●	●	●	●	●	●	●	●	●
	●														●						
	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
		●	●	●	●	●	●		●	●	●	●	●	●		●	●	●	●	●	●
		●	●	●	●	●			●	●	●	●	●			●	●	●	●	●	
		●		80	●	●			●		80	●	●			●		80	●	●	
	●	●	●	●	●	●	●	●	●	●	●	●	●	●	Optional	Optional	Optional	Optional	Optional	Optional	Optional
	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●



New MA

Ideal remote cont

EASY OPERATION

Backlit LCD (Liquid Crystal Display)

Full dot backlit LCD makes it easy to see and control units.

Large, easy-to-see display

Full-dot LCD display with large characters for easy viewing
Contrast also adjustable

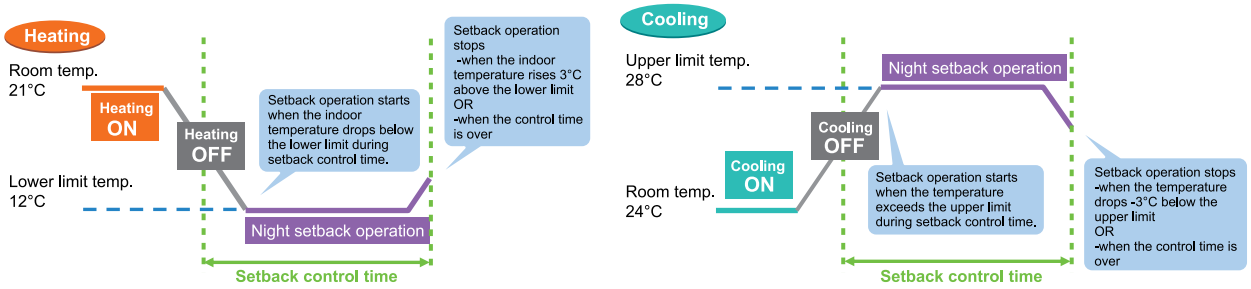
Simple button arrangement

Buttons are arranged according to usage to allow for intuitive navigation.
Frequently used buttons are larger than other buttons to prevent unintended use.

CONVENIENCE

Night Setback

To prevent indoor dew or excessive temperature rise, this control starts heating operation when the control object group is stopped and the room temperature drops below the preset lower limit temperature. Also, this control starts cooling operation when the control object group is stopped and the room temperature rises above the preset upper limit temperature.



remote controller PAR-30MAA

roller in pursuit of easy operation, convenience, and energy saving

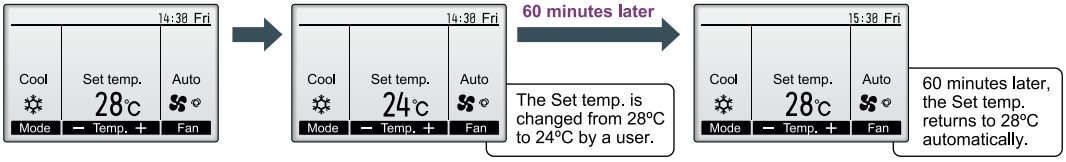
ENERGY SAVING

Auto Return

This function helps to maintain the indoor temperature at the required level. Even if the temperature setting is changed during operation, the set temperature automatically returns to the originally preset temperature after a certain amount of time. It is possible to set the required temperature for a limited time (30-120 min. in 10-minute increments).

<Sample screens when the Auto return function is enabled>

Example: Lower the Set temp. to 24°C. 60 minutes later, the Set temp. will be back to 28°C.



Functions

[Basic Functions]

▪ ON/OFF ▪ Operation mode switching ▪ Room temperature setting/display ▪ Fan speed setting
▪ Vane setting ▪ Louvre setting ▪ Clock setting/display ▪ Filter information display

[Advanced Functions]

Display mode switching	The main display can be displayed in two different modes: "Full" and "Basic".
Error information	Error code, error unit, unit address, unit model, serial number, contact information (dealer's phone number) can be displayed. * The unit model, serial number, and contact information need to be registered in advance to be displayed. * The unit address may not be displayed depending on the error type.
Ventilation equipment control	Interlock settings and interlock operation settings for Lossnay units can be made. OFF/High/Low can be switched.
High power Mr. Slim only	The units operate at higher-than-normal capacity for up to 30 minutes.
Auto descending panel	The automatic descending panel can be operated. * Valid only for the indoor units that are compatible with this function.
Timer	On/Off timer: The unit automatically turns on or off at the preset time. • Time can be set in 5-minute increments. • It is possible to set only the time when the unit turns on or when the unit turns off. Auto-Off timer: The unit automatically stops after the preset time has elapsed. • Time can be set to a value from 30 to 240 in 10-minute increments.
Weekly timer	ON/OFF and temperature setting can be scheduled for each day. • Up to eight operation patterns can be set for each day. • Time can be set in 5-minute increments. * Not valid when the On/Off timer is enabled.
OU silent mode Mr. Slim only	It´s available to set the time periods in which priority is given to quiet operation of outdoor units over temperature control. • Start/stop time can be set in 5-minute increments. • Select the desired silent level from "Normal", "Middle", and "Quiet".
Energy saving Mr. Slim only	The start/stop times to operate the units in the energy-save mode for each day of the week, and the energy-saving rate can be set. • Up to four energy-save operation patterns can be set for each day. • Time can be set in 5-minute increments. • Energy-saving rate can be set to a value from 0% and 50 to 90% in 10% increments.
Operation lock	Settings including ON/OFF, Operation mode, Set temp. and Vane can be locked.
Temperature range restriction	The lower limit and the upper limit of the settable temperature in each operation mode can be limited.
Password	Administrator password (required for schedule setting) and Maintenance password (required for test run and function setting) can be set.
Language selection	Language to be displayed on the screen can be selected from eight languages: English, French, German, Spanish, Italian, Portuguese, Swedish, and Russian.
Contrast	Screen contrast can be adjusted.
Manual vane angle	The vane angle can be set to a fixed position. * Valid only for the indoor units that are compatible with this function.

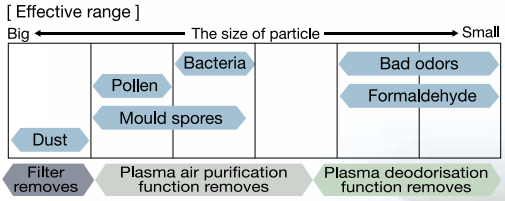
F Series

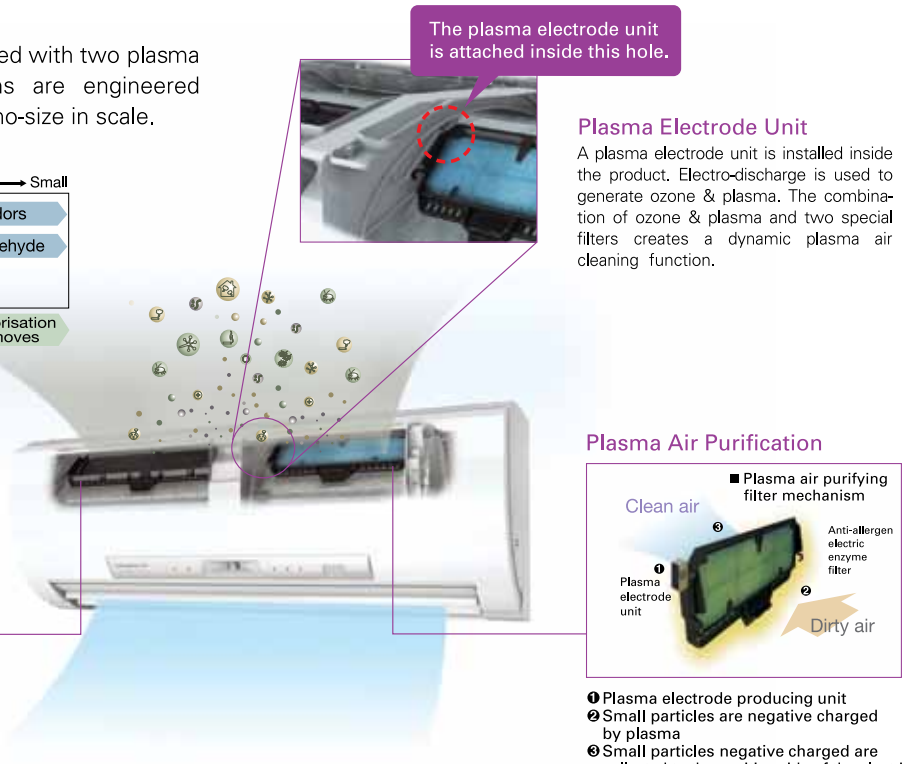
The new F Series line-up is engineered for superb harmony between high energy-efficiency and silence. The i-see Sensor, Plasma Duo and other superb new functions raise the comfort level to even greater heights.

Plasma Duo Filter Systems

Besides a pre-filter, the unit is also mounted with two plasma air purifying functions. These functions are engineered to zap air dirt particles from micron to nano-size in scale.

[Effective range]



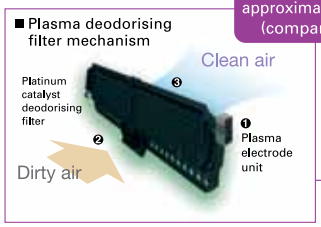


Plasma Electrode Unit

A plasma electrode unit is installed inside the product. Electro-discharge is used to generate ozone & plasma. The combination of ozone & plasma and two special filters creates a dynamic plasma air cleaning function.

Plasma Deodorisation

Deodorising speed approximately doubled (compared to FA)



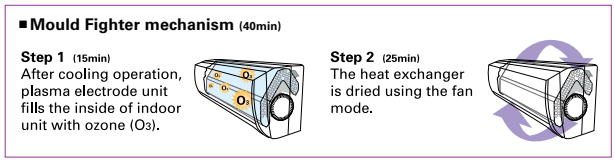
❶ Plasma electrode unit produces ozone
❷ Particles of odor-releasing substances are absorbed
❸ Particles of odor-releasing substances are decomposed by ozone

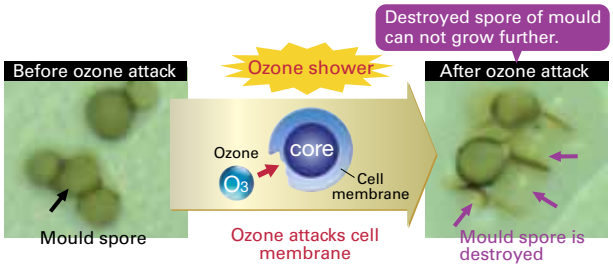
Plasma Air Purification

❶ Plasma electrode producing unit
❷ Small particles are negative charged by plasma
❸ Small particles negative charged are collected to the positive side of the electric filter and neutralised by the enzymes

Mould Fighter

The MSZ-FB is equipped with a "Mould Fighter" function designed to suppress the growth of mould spores. The ozone generated in the plasma electrode unit attacks the mould spores, reducing mould growth speed by about 20%.





What is "Ozone"?

Ozone (O_3) is a very unstable molecule. It is resolved gradually and naturally into oxygen (O_2). During resolving, the "Nascent oxygen (O)" is produced. The nascent oxygen strongly oxidises the organic or inorganic matter, which produces the oxidising ability to sterilise and deodorise.

O_2 + ⚡ → O_3 → O_2 + (O)

Oxygen High voltage — Ozone — Oxygen Nascent oxygen

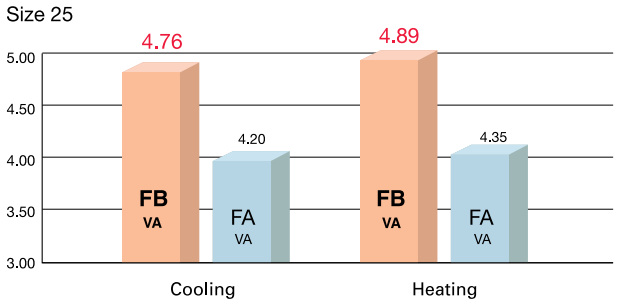
The consistency of ozone during ozone showering is at an acceptable level

- Inside of indoor unit 0.1ppm
  → Under the upper limit of an acceptable range of ozone gas consistency in a working environment (safety limit advised by Japan Society for Occupational Health)
- In the room 0.01ppm or less
  → Under the averaged consistency of ozone in coastal and forest areas.

High Energy Efficiency

DC Inverter

With the latest inverter technology, energy efficiency is improved by about 13% in cooling operation and heating operation from the previous model "FA"(25 class). This contributes to further reductions in product power consumption.



KEY TECHNOLOGY

Rare Earth Magnet Rotor for Compressor

Our unique motor offers high density and high magnetic force leading to high efficiency. And, what's more, the magnet for the compressor's rotor is changed from the current ferrite magnet to the rare earth magnet which has triple the residual magnetic flux density of the ferrite magnet.

Rare earth magnet (for MSZ-FB)

Samarium Magnet Rotor for the DC fan motor of Outdoor Units

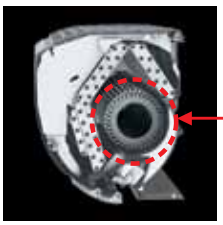
The magnet for the rotor has been changed from ferrite to samarium which has the more powerful force. Additionally, the shape of the magnet is cut to the optimum shape for higher efficiency.

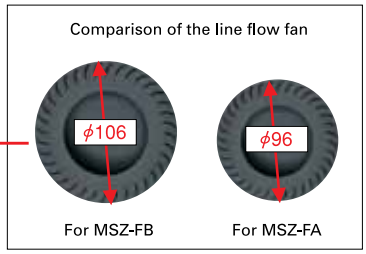
Quiet Operation

A larger line flow fan is attached in the FB model, which enables air conditioning capacity to be retained with fewer motor revolutions and reduction of operating noise.

		MSZ-FB	MSZ-FA
25 VA	Cooling	1dB less 20dB	21dB
	Heating	1dB less 20dB	21dB
35 VA	Cooling	2dB less 20dB	22dB
	Heating	1dB less 21dB	22dB

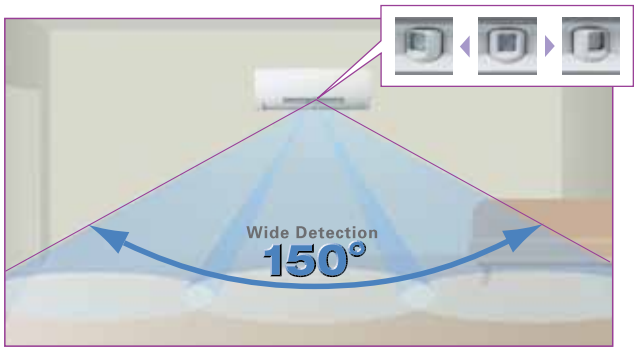
From the side of MSZ-FB





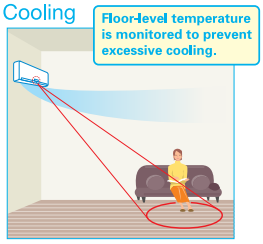
i-see Sensor

The "i-see Sensor" automatically moves from side to side, searching floor temperature over a wide area of 150°.



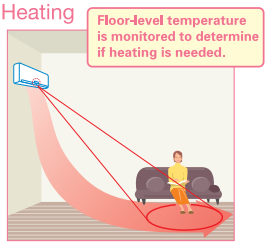
Conventional air conditioners control indoor temperature by using only the temperature of the intake air at the top of the room. As a result, the floor level temperature, which has a strong effect on the temperature that people feel, tends to be overlooked. i-see Sensor detects the floor temperature to ensure comfort in the living areas.

At Cooling



Cold air tends to sink to foot level, which is often the cause of over chilling. The i-see Sensor detects this foot-level temperature and adjusts the air outlet temperature to prevent over chilling.

At Heating



Warm air tends to rise up from the foot level, which often prevents that zone from warming up. The i-see Sensor detects this foot-level temperature and adjusts air outlet flow to prevent deficient warming.

Quick Clean

Quick Clean

The easily detachable front panel is simple to wash, and the airflow vents can be opened without any special tools for quick cleaning inside the air conditioner. It is recommended that the air conditioner be cleaned regularly, to increase operating efficiency and energy savings alike.

The quick clean kit is easily connected to household vacuum cleaners*1

Quick clean design slashes your electric bill by approx. **30%***2

Exclusive Quick Clean Kit (option)

*1: Wearing gloves is highly recommended when cleaning the heat exchanger. Touching it with bare hands may cause injury.
*2: Based on an in-house comparison of electricity costs with the unit operating at the same temperature setting with and without 8g of dirt on the fan.

MSZ-F
Series

R410A

DC Inverter

HEAT PUMP

Cleaning-free, pipe reuse

Indoor Unit

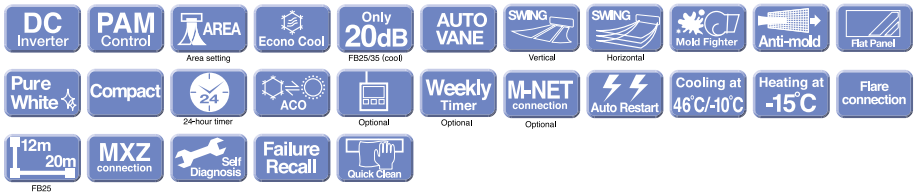
Plasma Duo Filter Systems

i-see Sensor

Outdoor Unit

MUZ-FB25VA

Remote Controller



Specifications (Wall-mounted Model)

Type				Inverter Heat Pump (R410A)		
Model Name				**MSZ-FB25VA**	**MSZ-FB35VA**	**MSZ-FB50VA**
Indoor Unit				MSZ-FB25VA	MSZ-FB35VA	MSZ-FB50VA
Outdoor Unit				MUZ-FB25VA	N/A	N/A
Power Supply [V, Phase, Hz]				230V, Single, 50Hz, Outdoor unit power supply		
Cooling	**Capacity [Min-Rated-Max]**		kW	1.1 - 2.5 - 3.5	–	–
	Total Input [Min-Rated-Max]		kW	0.260 - 0.525 - 0.970	–	–
	AEER/EER			4.53 / 4.76	–	–
		Star Rating		4.5	–	–
	Running Current [Rated]		A	2.6	–	–
	Sound Pressure	IN [Lo-Mid-Hi-SHi*]	dB(A)	20 - 29 - 36 - 42	20 - 29 - 36 - 43	29 - 39 - 45 - 52
	Level	OUT (PWL)	dB(A)	46 (59)	–	–
	Air Volume (IN) [Lo-SHi*]		L/S	77 - 187	77 - 195	105 - 247
Heating	**Capacity [Min-Rated-Max]**		kW	1.5 - 3.2 - 5.5	–	–
	Total Input [Min-Rated-Max]		kW	0.480 - 0.655 - 1.900	–	–
	ACOP/COP			4.69 / 4.89	–	–
		Energy Rating		5.0	–	–
	Running Current [Rated]		A	3.1	–	–
	Sound Pressure	IN [Lo-Mid-Hi-SHi*]	dB(A)	20 - 29 - 36 - 43	21 - 29 - 36 - 44	27 - 37 - 43 - 50
	Level	OUT (PWL)	dB(A)	46 (59)	–	–
	Air Volume (IN) [Lo-SHi*]		L/S	75 - 202	78 - 208	92 - 247
Starting Current			A	3.1	–	–
Max. Running Current			A	10	–	–
Indoor Unit	**Input [Rated] Cooling/Heating**		W	25 / 30	27 / 32	60 / 60
	Dimensions [HxWxD]		mm	295 x 798 x 257		
	Weight		kg	12		
Outdoor Unit	**Dimensions [HxWxD]**		mm	550 x 800 x 285	–	–
	Weight		kg	36	–	–
	Breaker Size		A	10	–	–
Ext. Piping	**Diameter (Gas/Liquid)**		mm	9.52 / 6.35	–	–
	Max. Length/Height		m	20 / 12	–	–
Guaranteed Operating Range [Outdoor]	Cooling		℃	-10 ~ 46	–	–
	Heating		℃	-15 ~ 24	–	–

*SHi = Super High
FB35/50: Only for MXZ connection

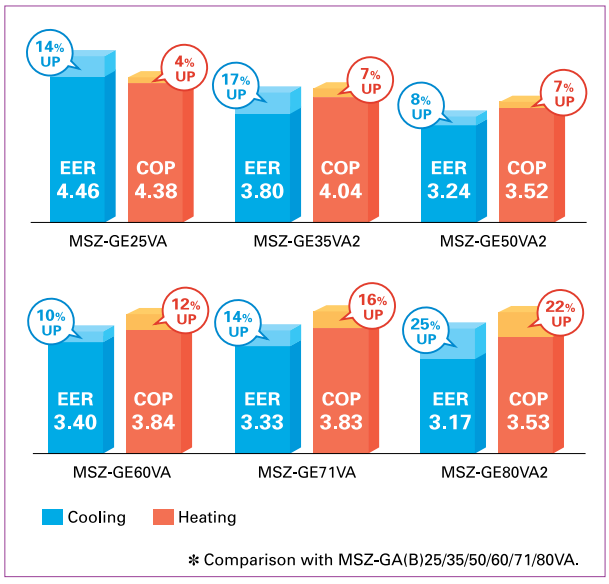
MSZ-G Series

The standard model MSZ-G units provide excellent energy-savings and operation is impressively silent. A vast series line-up is ready to ensure comfortable room environments in response to your air conditioning needs.

High Energy Savings Achieved for Entire Range of Series

DC Inverter

All models in the series, from the low-capacity 25 to the high-capacity 80, have achieved the top energy efficiency in the industry. For home use, such as in bedrooms and living rooms, to light commercial use, such as in offices, our air conditioners are contributing to reduced energy consumption across a wide range.

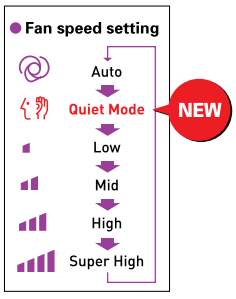


✻ Comparison with MSZ-GA(B)25/35/50/60/71/80VA.

Quiet Operation

Only 19dB

A "Quiet Mode" setting has been added to the fan speed settings, ensuring super-quiet operation below 20dB for model sizes 35 and under. Perfect for the bedroom; it's so quiet you'll check to see if it's on.



Comparison of minimum indoor SPL (dB)

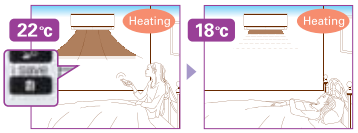
Series (Fan speed) \ Size	25		35		50		60		71		80	
	Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating
MSZ-GA/GB (Low)	21	21	22	22	32	30	32	32	33	33	33	33
	2dB Less	2dB Less	3dB Less	3dB Less	4dB Less	2dB Less	3dB Less	3dB Less	3dB Less	3dB Less	3dB Less	3dB Less
MSZ-GE (Quiet)	19	19	19	19	28	28	29	29	30	30	30	30

"i save" Mode

i save

"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 when, for example, leaving the room or going to bed.

* Temperature can be preset to 10ºC when heating in the "i save" mode (except when connected to MXZ-8).



(60/71/80) (25/35/42/50)

Powerful Mode (60/71/80)

Powerful

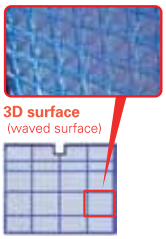
This one-touch operation mode ensures faster cooling and heating. It automatically sets the indoor unit fan at maximum speed and the outdoor unit at maximum capacity, cools/heats the room for 15 minutes, and returns the indoor and outdoor units to their regular settings.

(60/71/80)

Nano Platinum Filter (60/71/80)

Nano Platinum

This filter incorporates nanometre-sized platinum-ceramic particles that generate stable antibacterial and deodorising effects. The size of the three-dimensional surface has been increased as well, enlarging the filter capture area. These features give the nano platinum filter of the MSZ-GE60/71/80 models better dust collection performance than conventional filters. The superior air-cleaning effectiveness increases room comfort yet another level.



*Filter can be washed with water (air-cleaning effect is maintained)

MSZ-G
Series

R410A

DC Inverter

HEAT PUMP

Cleaning-free, pipe reuse

Indoor Unit

Remote Controller

Outdoor Unit

MUZ-GE25/35/42VA

MUZ-GE50VA

DC Inverter | PAM Control | Only 19dB (GE22/25/35) | Econo Cool | Catechin (Standard filter) | Anti-allergy Enzyme (Standard filter) | AUTO VANE | SWING (Horizontal) | Flat Panel | Pure White | Compact

24-hour timer | ACO | Auto Restart | Cooling at 46°C/-10°C | Heating at -15°C | Optional | Weekly Timer (Optional) | M-NET connection (Optional) | Quick Clean | Self Diagnosis | Failure Recall

12m 20m (GE25/35/42) | 15m 30m (GE50) | MXZ connection | Flare connection

Specifications (Wall-mounted Model)

Type				Inverter Heat Pump (R410A)				
Model Name				MSZ-GE22VA	MSZ-GE25VA	MSZ-GE35VA2	MSZ-GE42VA	MSZ-GE50VA2
Indoor Unit				MSZ-GE22VA	MSZ-GE25VA	MSZ-GE35V2	MSZ-GE42VA	MSZ-GE50VA2
Outdoor Unit				N/A	MUZ-GE25VA	MUZ-GE35VA2	MUZ-GE42VA	MUZ-GE50VA2
Power Supply [V, Phase, Hz]				230V, Single, 50Hz, Outdoor unit power supply				
Cooling	**Capacity [Min-Rated-Max]**		kW	–	1.1 - 2.5 - 3.5	1.1 - 3.5 - 4.0	0.9 - 4.2 - 4.8	1.4 - 4.8 - 5.4
	Total Input [Min-Rated-Max]		kW	–	0.205 - 0.560 - 1.145	0.205 - 0.920 - 1.430	0.160 - 1.260 - 1.940	0.320 - 1.480 - 2.060
	AEER/EER			–	4.21 / 4.46	3.67 / 3.80	3.25 / 3.33	3.17 / 3.24
		Star Rating		–	4.0	3.0	2.0	1.5
	Running Current [Rated]		A	–	2.9	4.4	5.8	6.8
	Sound Pressure	IN [Quiet-Lo-Mid-Hi-SHi*]	dB(A)	19 - 21 - 29 - 36 - 42	19 - 21 - 29 - 36 - 42	19 - 22 - 30 - 36 - 43	26 - 30 - 35 - 40 - 46	28 - 33 - 38 - 44 - 49
	Level	OUT (PWL)	dB(A)	–	46 (58)	47 (61)	50 (62)	54 (69)
	Air Volume (IN) [Quiet-SHi*]		L/S	68 - 188	68 - 188	68 - 212	97 - 213	108 - 252
Heating	**Capacity [Min-Rated-Max]**		kW	–	1.3 - 3.2 - 4.1	1.6 - 4.0 - 5.3	1.4 - 5.4 - 6.0	1.4 - 5.8 - 7.2
	Total Input [Min-Rated-Max]		kW	–	0.255 - 0.730 - 1.200	0.340 - 0.990 - 1.550	0.270 - 1.540 - 2.040	0.320 - 1.650 - 2.490
	ACOP/COP			–	4.19 / 4.38	3.91 / 4.04	3.43 / 3.51	3.44 / 3.52
		Star Rating		–	4.0	3.0	2.5	2.5
	Running Current [Rated]		A	–	3.8	4.6	7.0	7.4
	Sound Pressure	IN [Quiet-Lo-Mid-Hi-SHi*]	dB(A)	19 - 21 - 29 - 36 - 42	19 - 21 - 29 - 36 - 42	19 - 22 - 30 - 36 - 43	26 - 30 - 35 - 40 - 46	28 - 33 - 37 - 43 - 48
	Level	OUT (PWL)	dB(A)	–	48 (59)	48 (62)	51 (64)	56 (69)
	Air Volume (IN) [Quiet-SHi*]		L/S	68 - 192	68 - 192	68 - 192	97 - 218	108 - 242
Starting Current			A	–	3.8	4.6	7.0	7.4
Max. Running Current			A	–	7.4	8.6	10.0	13.0
Indoor Unit	**Input [Rated]**		W	22 / 23	22 / 23	29 / 23	29 / 30	43 / 39
	Dimensions [HxWxD]		mm	295 x 798 x 232	295 x 798 x 232	295 x 798 x 232	295 x 798 x 232	295 x 798 x 232
	Weight		kg	10	10	10	10	10
Outdoor Unit	**Dimensions [HxWxD]**		mm	–	550 x 800 x 285	550 x 800 x 285	550 x 800 x 285	850 x 840 x 330
	Weight		kg	–	30	33	36	54
	Breaker Size		A	–	10	10	10	16
Ext. Piping	**Diameter (Gas/Liquid)**		mm	9.52 / 6.35	9.52 / 6.35	9.52 / 6.35	9.52 / 6.35	12.7 / 6.35
	Max. Length/Height		m	–	20 /12	20 /12	20 / 12	30 / 15
Guaranteed Operating Range [Outdoor]		Cooling	°C	–	-10 ~ 46			
		Heating	°C	–	-15 ~ 24			

*SHi = Super High

Note : •The energy-saving potential of inverter air conditioners is not reflected in the star rating, as the current energy star rating scheme does not cover the determination of seasonal or part load efficiencies.
•MSZ-GE22VA is for MXZ connection only. (The indicated capacity is rated capacity if one unit is connected to MXZ.)
•MSZ-GE50 meets MEPS criteria at partial load.

R410A

DC Inverter

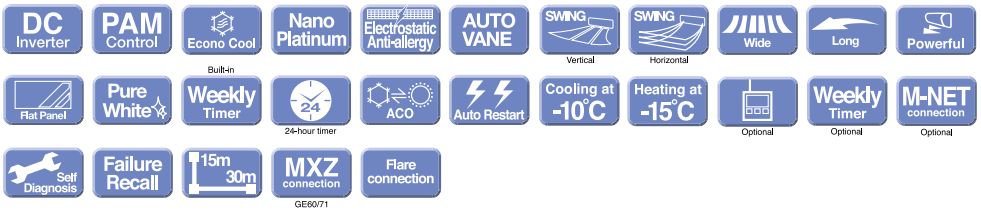
HEAT PUMP

Cleaning-free, pipe reuse

MSZ-G Series

Indoor Unit

Outdoor Unit



Specifications (Wall-mounted Model)

Type				Inverter Heat Pump (R410A)		
Model Name				**MSZ-GE60VA**	**MSZ-GE71VA**	**MSZ-GE80VA2**
Indoor Unit				MSZ-GE60VA	MSZ-GE71VA	MSZ-GE80VA2
Outdoor Unit				MUZ-GE60VA	MUZ-GE71VA	MUZ-GE80VA2
Power Supply [V, Phase, Hz]				230V, Single, 50Hz, Outdoor unit power supply		
Cooling	**Capacity [Min-Rated-Max]**		kW	1.5 - 6.0 - 7.5	2.4 - 7.1 - 8.7	2.4 - 7.8 - 9.2
	Total Input [Min-Rated-Max]		kW	0.280 - 1.760 - 2.380	0.570 - 2.130 - 3.370	0.570 - 2.460 - 3.580
	AEER/EER			3.34 / 3.40	3.28 / 3.33	3.13 / 3.17
		Star Rating		2.0	2.0	1.5
	Running Current [Rated]		A	7.8	9.4	10.8
	Sound Pressure	IN [Quiet-Lo-Mid-Hi-SHi*]	dB(A)	29 - 37 - 41 - 45 - 49	30 - 37 - 41 - 45 - 49	30 - 37 - 41 - 45 - 49
	Level	OUT (PWL)	dB(A)	55 (69)	55 (69)	55 (69)
	Air Volume (IN) [Quiet-SHi*]		L/S	163 - 305	162 - 298	162 - 298
Heating	**Capacity [Min-Rated-Max]**		kW	2.0 - 6.8 - 9.3	2.2 - 8.1 - 9.9	2.2 - 9.0 - 11.1
	Total Input [Min-Rated-Max]		kW	0.460 - 1.770 - 2.940	0.520 - 2.110 - 3.250	0.520 - 2.550 - 3.650
	ACOP/COP			3.76 / 3.84	3.77 / 3.83	3.48 / 3.53
		Star Rating		3.0	2.5	2.5
	Running Current [Rated]		A	7.8	9.5	11.2
	Sound Pressure	IN [Quiet-Lo-Mid-Hi-SHi*]	dB(A)	29 - 37 - 41 - 45 - 49	30 - 37 - 41 - 45 - 49	30 - 37 - 41 - 45 - 49
	Level	OUT (PWL)	dB(A)	55 (69)	55 (69)	55 (69)
	Air Volume (IN) [Quiet-SHi*]		L/S	163 - 305	170 - 298	170 - 298
Starting Current			A	7.8	9.5	11.2
Max. Running Current			A	14.5	16.6	16.6
Indoor Unit	**Input [Rated]**		W	61	65	65
	Dimensions [HxWxD]		mm	325 x 1,100 x 238	325 x 1,100 x 238	325 x 1,100 x 238
	Weight		kg	16	16	16
Outdoor Unit	**Dimensions [HxWxD]**		mm	880 x 840 x 330	880 x 840 x 330	880 x 840 x 330
	Weight		kg	50	53	53
	Breaker Size		A	20	20	20
Ext. Piping	**Diameter (Gas/Liquid)**		mm	15.88 / 6.35	15.88 / 9.52	15.88 / 9.52
	Max. Length/Height		m	30 / 15	30 / 15	30 / 15
Guaranteed Operating Range [Outdoor]		Cooling	°C	-10 ~ 46		
		Heating	°C	-15 ~ 24		

*SHi = Super High

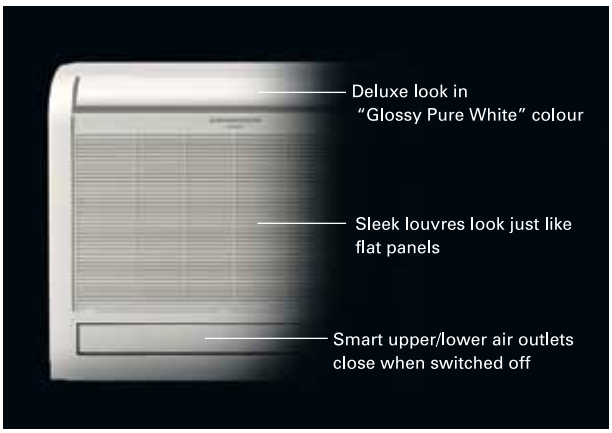
Note : •The energy-saving potential of inverter air conditioners is not reflected in the star rating, as the current energy star rating scheme does not cover the determination of seasonal or part load efficiencies.
•MSZ-GE80 meets MEPS criteria at partial load.

MFZ Series

For your living room, or bedroom.
The latest Mitsubishi Electric innovation – Floor-standing air conditioner, sophisticated in design, rich in function.

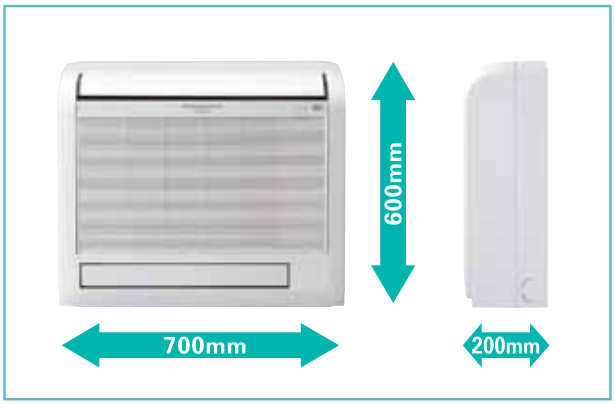
Sophisticated Design

Mitsubishi Electric's innovation new floor-standing air conditioners offer a great balance of streamlined form and diversified functions. As well as a design that keeps walls free, both the upper and lower air outlets close when the unit is switched off, realising a smart, striking image. In addition, the "Glossy Pure White" colour ensures a sophisticated look to match any room. Combine these design elements together with comfy cooling in the summer and toasty heating in winter, and you've got a superb new air conditioner that fits beautifully into your own distinctive interior.



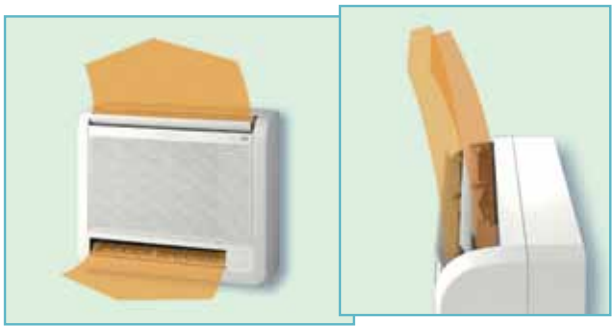
Slim yet Powerful

With a body that is slim and compact in size, the MFZ Series is ideal for living rooms, bedrooms, attics or wherever the need. Additionally, it is equipped with a removable front panel that is washable for simplified cleaning. Periodic cleaning not only keeps the unit looking beautiful, it also contributes to maintaining maximum energy-efficient operation.

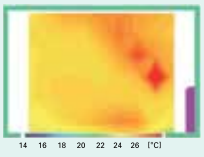


Optimum Air Distribution

Comfy room temperatures are realised by the optimum, powerful and efficient air distribution through upper and lower air outlets.
The upper vane angle is remote controllable, with 5 airflow direction levels (+Swing and Auto modes) and 4 airflow power levels (+Auto mode).
By setting the vane angle almost vertical, annoying direct airflow can be avoided for increased comfort.

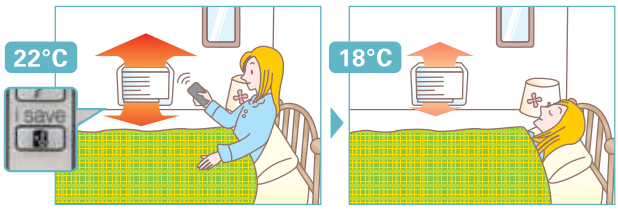


The air from both upper and lower air outlets is optimally controlled and distributed evenly to every corner of the room. In heating mode, the warm air is smartly controlled to stay at the floor level: Your feet do not feel chilled any more!



i save Mode

A simplified set back function enables recall of the preferred (preset) temperature with a single push of the button on the remote controller. Press the same button again and you can go back to the previous temperature setting in an instant. When leaving the room, going to bed or at other times, this button helps you to realise the smartest and the most suitable air conditioning.
A handy function for a comfortable and waste-free environment, the Mitsubishi Electric way.



Smarter Control with a Single Remote Controller

Waste-free operation and energy efficiency taken to the extreme. The optional wired remote controller (PAR-30MAA*) with a weekly timer function enables eight separate pattern settings in a single day.

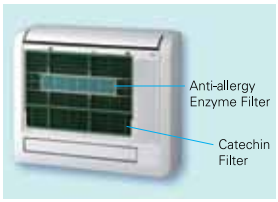
*Requires optional interface (MAC-333IF-E)

PAR-30MAA

Cleaner and Healthier Air

Catechin + Anti-allergy enzyme filters achieve deodorisation, allergen inactivation,*1 bacteria elimination*2 and antiviral effects.

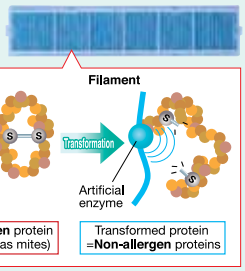
Elevating the pursuit of health-conscious air to unequalled heights. In addition to the "Catechin Filter" with deodorising effect, the "Anti-allergy Enzyme Filter" catches dead mites and their droppings, pollen and other allergens on the filter filament, then decomposes them with artificial enzymes*3. What's more, the sterilising agent generates greater antiviral effects, supporting a cleaner and healthier air supply.



*1: "Inactivation" refers to curbed activity.
*2: Confirmed by the Japan Spinners Inspecting Foundation. Test numbers JSIF-029220-1/JSIF-029220-2.
*3: Confirmed by Shinshu University.

"Anti-allergy enzyme filter" mechanism

① Artificial enzyme catalyst on the filament catches the allergens.
② The artificial enzyme catalyst helps the chemical reaction with oxygen and severs the S-S bonds.*4
③ Proteins with severed S-S bonds are no longer allergen proteins.



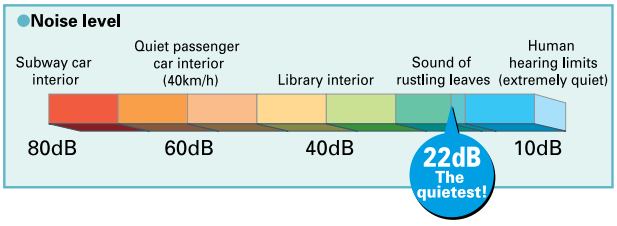
*4: Mites and other allergen protein consist of sulphur atoms (S) that have bonded together.

*It is recommended to soak the filter in water every three months. The standard interval of filter replacement is one year.

Quiet Operation

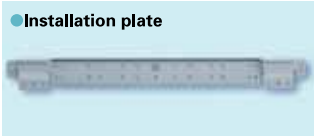
Mitsubishi Electric air conditioners have always been some of the quietest models available in the market. Our new floor-standing models are no exception. They can create a silent and comfortable space where the occupants hardly notice the air conditioner operating.

*2.5kW class



Trouble-free Installation and Maintenance

Indoor unit installation using our original mounting plate is amazingly easy: position the plate, affix it and set the unit in place. Easy leveling work prevents damage to the wall surface, and generous maximum pipe lengths of up to 30 metres eliminate any worry about distance to the outdoor unit. A built-in automatic diagnostics function, trouble log recall mode and other sophisticated aids are incorporated for immediate trouble-shooting should a problem arise.



MFZ
Series

R410A

DC Inverter

HEAT PUMP

Cleaning-free, pipe reuse

Indoor Unit

Outdoor Unit

SUZ-KA25

Remote Controller

DC Inverter | PAM Control | Only 22dB (KA25) | Econo Cool | Catechin (Standard filter) | Anti-allergy Enzyme (Standard filter) | AUTO VANE (Horizontal) | SWING (Horizontal) | Pure White | Compact | 24 (24-hour timer)

i save | ACO | Auto Restart | Cooling at 46°C/-10°C (KA25) | Cooling at -10°C | Heating at -15°C | (Optional) | Weekly Timer (Optional) | M-NET connection (Optional) | Self Diagnosis | Failure Recall

12m 20m (KA25) | MXZ connection | Flare connection | VERTICAL AIRFLOW | Easy Installation (With leveling plate)

Specifications (Floor-standing Model)

Type				Inverter Heat Pump (R410A)		
Model Name				**MFZ-KA25VA**	**MFZ-KA35VA**	**MFZ-KA50VA**
Indoor Unit				MFZ-KA25VA	MFZ-KA35VA	MFZ-KA50VA
Outdoor Unit				SUZ-KA25VA3	N/A	N/A
Power Supply [V, Phase, Hz]				220 - 240V, Single, 50Hz, Outdoor unit power supply		
Cooling	**Capacity [Min-Rated-Max]**		kW	0.9 - 2.5 - 3.4	–	–
	Total Input [Min-Rated-Max]		kW	0.19 - 0.58 - 0.94	–	–
	AEER/EER			4.07 / 4.31	–	–
		Star Rating		3.0	–	–
	Running Current [Rated]		A	2.8	–	–
	Sound Pressure	IN [Lo-Mid-Hi-SHi*]	dB(A)	22 - 27 - 32 - 37	23 - 28 - 33 - 38	32 - 35 - 39 - 43
	Level	OUT (PWL)	dB(A)	46 (59)	–	–
	Air Volume (IN) [Lo-SHi*]		L/S	80 - 148	83 - 152	118 - 187
Heating	**Capacity [Min-Rated-Max]**		kW	0.9 - 3.4 - 5.1	–	–
	Total Input [Min-Rated-Max]		kW	0.19 - 0.835 - 1.91	–	–
	ACOP/COP			3.91 / 4.07	–	–
		Star Rating		3.0	–	–
	Running Current [Rated]		A	4.0	–	–
	Sound Pressure	IN [Lo-Mid-Hi-SHi*]	dB(A)	22 - 27 - 32 - 37	25 - 28 - 33 - 38	32 - 35 - 39 - 44
	Level	OUT (PWL)	dB(A)	46 (59)	–	–
	Air Volume (IN) [Lo-SHi*]		L/S	83 - 157	87 - 158	123 - 205
Starting Current			A	4.0	–	–
Max. Running Current			A	8.8	–	–
Indoor Unit	**Input [Rated]**		W	25	25	25
	Dimensions [HxWxD]		mm	600 x 700 x 200	600 x 700 x 200	600 x 700 x 200
	Weight		kg	14	14	14
Outdoor Unit	**Dimensions [HxWxD]**		mm	550 x 800 x 285	–	–
	Weight		kg	30	–	–
	Breaker Size		A	10	–	–
Ext. Piping	**Diameter (Gas/Liquid)**		mm	9.52 / 6.35	9.52 / 6.35	12.7 / 6.35
	Max. Length/Height		m	20 / 12	–	–
Guaranteed Operating Range [Outdoor]		Cooling	℃	-10 ~ 46	–	–
		Heating	℃	-15 ~ 24	–	–

* SHi = Super High

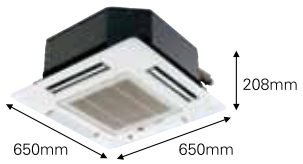
Note : •Specification is subject to change without notice.
•MFZ-KA35/50: Only for MXZ connection

SLZ/SEZ Series

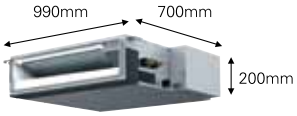
Our super-quiet compact indoor unit, with cutting-edge remote control.
Comfortable operation for the living room, bedroom and other living spaces.

Compact Design

Perfect for any room in the house. Choose between the compact SLZ cassette, which fits perfectly into a 2-metre-square ceiling panel, and the SEZ Series concealed-ceiling unit, which has a reduced installation space height requirement of only 270mm.



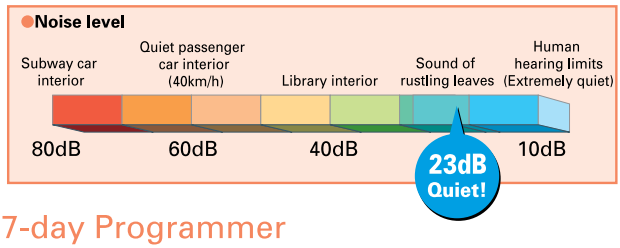
SLZ



SEZ-KD35/50

Impressively Quiet Operation

S Series units offer whisper-quiet operation at a hushed noise level of 23dB (SEZ-KD25/35), ensuring a calm and comfortable environment. Customisable to match any room interior, our S Series air conditioners are so quiet you'll check to see if they're on.



7-day Programmer

The Mitsubishi Electric new MA remote controller, supporting truly exceptional room comfort. Program the system with this weekly timer, inputting up to 8 patterns for each calendar day.

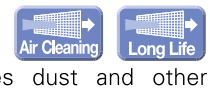
PAR-30MAA

<New functions>
- Limit the set temperature range.
- Auto off timer
- Operation lock
- Multi-language display
  (English, Spanish, Italian, German, French, Russian, Chinese, Japanese)

Energy-saving Operation

Boasting low energy consumption, SLZ/SEZ Series air conditioners are the key to fresh, cost-effective room comfort.

Air Cleaning Filter



This built-in filter removes dust and other particles, keeping the air clean all the time. Maintenance is as simple as vacuuming. The long-life filter in SLZ Series air conditioners can be used for approximately 2,500 hours before requiring replacement.

SLZ-KA Series

R410A

DC Inverter

HEAT PUMP

Indoor Unit

*for SLZ-KA VAL

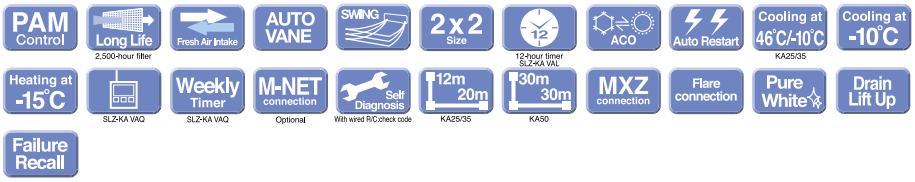
*optional for SLZ-KA VAQ

Remote Controller

Outdoor Unit

SUZ-KA25VA3

SUZ-KA50VA3



Specifications (4-way Cassette Model)

Type				Inverter Heat Pump (R410A)		
Model Name				**SLZ-KA25VA**	**SLZ-KA35VA**	**SLZ-KA50VA**
Indoor Unit				SLZ-KA25VAQ(L)*	SLZ-KA35VAQ(L)*	SLZ-KA50VAQ(L)*
Outdoor Unit				SUZ-KA25VA3	N/A	SUZ-KA50VA3
Power Supply [V, Phase, Hz]				230V, Single, 50Hz, Outdoor unit power supply		
Cooling	**Capacity [Min-Rated-Max]**		kW	0.9 - 2.3 - 3.2	3.5	1.1 - 4.2 - 5.2
	Total Input [Min-Rated-Max]		kW	0.25 - 0.60 - 1.00	–	0.49 - 1.27 - 2.13
	AEER/EER			3.65 / 3.83	–	3.23 / 3.31
		Star Rating		2.5	–	2.0
	Running Current [Rated]		A	2.9	–	5.8
	Sound Pressure	IN [Lo-Mid-Hi]	dB(A)	28 - 31 - 37	29 - 33 - 38	30 - 34 - 39
	Level	OUT (PWL)	dB(A)	46 (59)	–	53 (68)
	Air Volume (IN) [Lo-Mid-Hi]		L/S	133 - 150 - 167	133 - 150 - 183	133 - 150 - 183
Heating	**Capacity [Min-Rated-Max]**		kW	0.9 - 3.1 - 4.5	4.0	0.9 - 4.5 - 6.5
	Total Input [Min-Rated-Max]		kW	0.17 - 0.82 - 1.36	–	0.39 - 1.37 - 3.36
	ACOP/COP			3.66 / 3.78	–	3.22 / 3.28
		Star Rating		3.0	–	1.5
	Running Current [Rated]		A	3.9	–	6.2
	Sound Pressure	IN [Lo-Mid-Hi]	dB(A)	28 - 31 - 37	29 - 33 - 38	30 - 34 - 39
	Level	OUT (PWL)	dB(A)	46 (59)	–	55 (69)
	Air Volume (IN) [Lo-Mid-Hi]		L/S	133 - 150 - 167	133 - 150 - 183	133 - 150 - 183
Starting Current			A	3.65	–	6.75
Indoor Unit	**Input [Rated]**		W	75	85	85
	Dimensions [HxWxD]		mm	208 x 570 x 570	208 x 570 x 570	208 x 570 x 570
		Panel	mm	20 x 650 x 650	20 x 650 x 650	20 x 650 x 650
	Weight (Panel)		kg	16.5 (3)	16.5 (3)	16.5 (3)
Outdoor Unit	**Dimensions [HxWxD]**		mm	550 x 800 x 285	–	850 x 840 x 330
	Weight		kg	30	–	53
	Max. Running Current		A	8.16	–	16
	Breaker Size		A	10	–	20
Ext. Piping	**Diameter (Gas/Liquid)**		mm	9.52 / 6.35	9.52 / 6.35	12.7 / 6.35
	Max. Length/Height		m	20 / 12	–	30 / 30
Guaranteed Operating Range		Cooling	℃	-10 ~ 46	–	-15 ~ 46
[Outdoor]		Heating	℃	-15 ~ 24	–	-15 ~ 24

* SLZ-KA VAL comes with a wireless remote controller.

Note : •Specification is subject to change without notice.
•SLZ-KA35: Only for MXZ connection
•SLZ-KA25 meets MEPS criteria at partial load.

R410A

DC Inverter

SEZ-KD Series

HEAT PUMP

Indoor Unit

Outdoor Unit

SUZ-KA25VA3/35VA2

SUZ-KA50VA3

SUZ-KA60/71VA3

DC Inverter | PAM Control | Air Cleaning (No replacement needed. Clean every 100h of Operation.) | 200mm Compact | ACO | Auto Restart | Cooling at 46°C/-10°C (KA25/35) | Cooling at 46°C/-15°C (KA50/60/71) | Heating at -15°C | (SEZ-VAQ) | Weekly Timer (SEZ-VAQ)

M-NET connection (Optional) | Self Diagnosis (With wired R/C:check code) | 12m 20m (KA25/35) | 30m 30m (KA50/60/71) | MXZ connection | Flare connection | Failure Recall

Remote Controller

*optional for SEZ-KD VAQ

*for SEZ-KD VAL

Specifications (Ceiling-concealed Model)

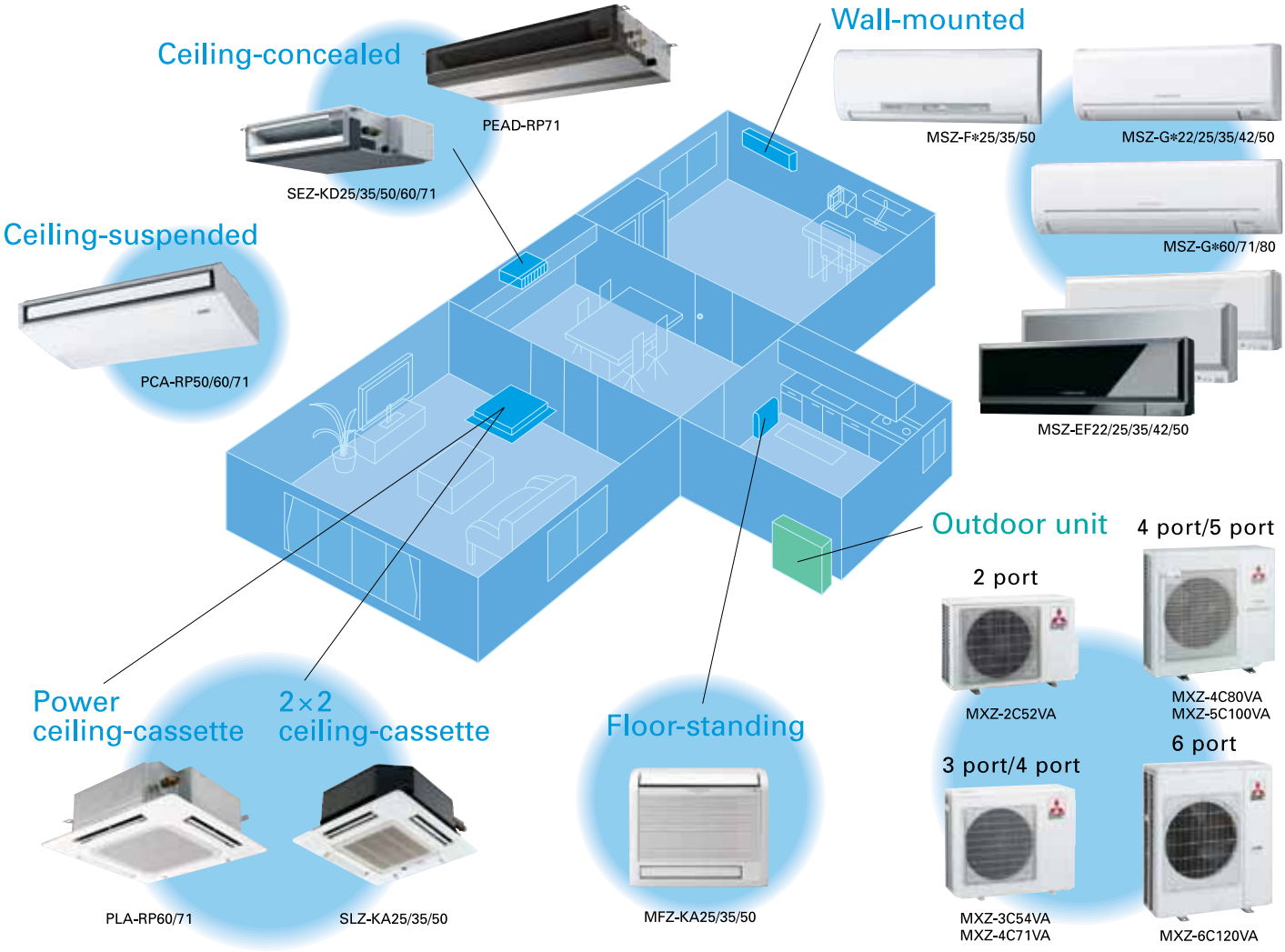
Type				Inverter Heat Pump (R410A)				
Model Name				SEZ-KD25VA	SEZ-KD35VA	SEZ-KD50VA	SEZ-KD60VA	SEZ-KD71VA
Indoor Unit				SEZ-KD25VAQ(L)*	SEZ-KD35VAQ(L)*	SEZ-KD50VAQ(L)*	SEZ-KD60VAQ(L)*	SEZ-KD71VAQ(L)*
Outdoor Unit				SUZ-KA25VA3	SUZ-KA35VA2	SUZ-KA50VA3	SUZ-KA60VA3	SUZ-KA71VA3
Power Supply [V, Phase, Hz]				230V, Single, 50Hz, Outdoor unit power supply				
Cooling	**Capacity [Min-Rated-Max]**		kW	0.9 - 2.5 - 3.2	1.0 - 3.7 - 3.9	1.1 - 5.1 - 5.6	1.1 - 5.6 - 6.3	0.9 - 6.5 - 8.3
	Total Input [Min-Rated-Max]		kW	0.24 - 0.75 - 1.07	0.26 - 1.09 -1.35	0.51 - 1.64 - 2.33	0.50 - 1.77 - 2.52	2.06
	AEER/EER			3.21 / 3.33	3.31 / 3.39	3.05 / 3.11	3.11 / 3.16	3.10 / 3.16
	Running Current [Rated]		A	3.6	5.10	7.40	7.9	9.2
	Sound Pressure	IN [Lo-Mid-Hi]	dB(A)	23 - 26 - 30	23 - 28 - 33	30 - 34 - 37	30 - 34 - 38	30 - 35 - 40
	Level	OUT (PWL)	dB(A)	46 (59)	47 (61)	53 (68)	55 (69)	
	Air Volume (IN) [Lo-Mid-Hi]		L/S	92 - 117 - 150	117 - 150 - 183	167 - 208 - 250	200 - 250 - 300	200 - 267 - 333
Heating	**Capacity [Min-Rated-Max]**		kW	0.9 - 3.0 - 4.5	0.9 - 4.2 - 5.0	1.1 - 6.4 - 7.2	0.9 - 7.4 - 8.0	0.9 - 8.1 - 10.4
	Total Input [Min-Rated-Max]		kW	0.26 - 0.83 - 1.35	0.24 - 1.13 - 1.52	0.47 - 1.81 - 3.45	0.32 - 2.05 - 2.69	2.18
	ACOP/COP			3.49 / 3.61	3.62 / 3.72	3.48 / 3.54	3.55 / 3.61	3.66 / 3.72
	Running Current [Rated]		A	4.0	5.20	8.2	9.1	9.70
	Sound Pressure	IN [Lo-Mid-Hi]	dB(A)	23 - 26 - 30	23 - 28 - 33	30 - 34 - 37	30 - 34 - 38	30 - 35 - 40
	Level	OUT (PWL)	dB(A)	46 (59)	48 (62)	55 (68)	55 (69)	
	Air Volume (IN) [Lo-Mid-Hi]		L/S	92 - 117 - 150	117 - 150 - 183	167 - 208 - 250	200 - 250 - 300	200 - 267 - 333
Starting Current			A	3.95	5.10	8.30	9.20	11.05
Indoor Unit	**Input [Rated]**		W	40	50	70		100
	Dimensions [HxWxD]		mm	200 x 790 x 700	200 x 990 x 700		200 x 1,190 x 700	
	Weight		kg	18	21	23	27	
	Static Pressure		Pa	5 - 15 - 35 - 50				
Outdoor Unit	**Dimensions [HxWxD]**		mm	550 x 800 x 285		850 x 840 x 330	880 x 840 x 330	
	Weight		kg	30	33	53	50	53
	Max. Running Current		A	8.16	9.18	16.0	14.0	16.1
	Breaker Size		A	10		20		
Ext. Piping	**Diameter (Gas/Liquid)**		mm	9.52 / 6.35		12.7 / 6.35	15.88 / 6.35	15.88 / 9.52
	Max. Length/Height		m	20 / 12		30 / 30		
Guaranteed Operating Range [Outdoor]		Cooling	°C	-10 ~ 46		-15 ~ 46		
		Heating	°C	-15 ~ 24				

* SEZ-KD VAL comes with a wireless remote controller.

Note : •Specification is subject to change without notice.
•SEZ-KD meets MEPS criteria at partial load.

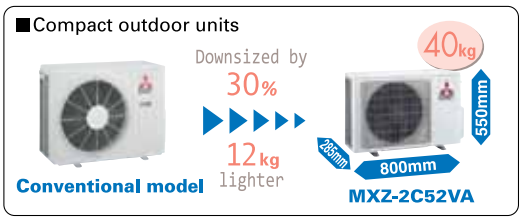
MXZ-VA Series

For saving space...
Multiple indoor units can be connected to a single outdoor unit.



Compact Outdoor Unit Saves Space

The MXZ Series can be connected to 2, 3, 4, 5 or 6 indoor units, optimising the use of outdoor space and enhancing exterior aesthetics.
In addition the MXZ 2-port model is downsized by 30% compared with the conventional model.



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 from 9 types including wall-mounted, floor-standing, ceiling-concealed, ceiling-cassette and ceiling-suspended units.

	Wall-mounted																Floor-standing			Ceiling-concealed							Ceiling-cassette					Ceiling-suspended		
	MSZ-F			MSZ-EF					MSZ-G								MFZ			SEZ						PEAD	SLZ					PLA		PCA		
	25	35	50	22	25	35	42	50	22	25	35	42	50	60	71	80	25	35	50	25	35	50	60	71	71	25	35	50	60	71	50	60	71
MXZ-2*52VA	●	●		●	●	●			●	●	●						●	●		●	●					●	●						
MXZ-3*54VA	●	●	●	●	●	●	●	●	●	●	●	●	●				●	●	●	●	●	●				●	●	●				●	
MXZ-4*71VA	●	●	●	●	●	●	●	●	●	●	●	●	●	●			●	●	●	●	●	●	●			●	●	●	●			●	●
MXZ-4*80VA	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
MXZ-5*100VA	●	●	●	●	●	●	●	●	●	●	●	●	●	●			●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
MXZ-6*120VA	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●			●	●	●	●	●	●	●	●

Energy Saving with High EER and COP

Thanks to inverter technology, we have realised a higher energy efficiency COP of 4.79 (MXZ-4C71VA in heating) for maximum comfort.

COP 4.79

Quiet Operation (Silent Mode)*

With the MXZ outdoor unit, operating noise (outdoor) is just 44dB* (MXZ-3C54/4C80 in cooling mode). In combination with the MSZ-FB25VA, indoor noise can also be reduced to a quiet 20dB.

*Quiet mode needs to be set when installed.

Advanced Remote Controller

The optional wired remote controller (PAR-30MAA*) with a weekly timer function enables eight separate pattern settings in a single day.

*Requires optional interface (MAC-333IF-E)

PAR-30MAA

Fix Operation Mode

"Fix Operation Mode" can be selected to prevent operating in an erroneous mode. This is especially convenient in places where many people gather, such as in hotels.

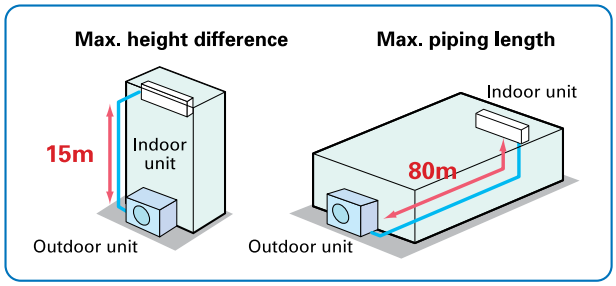
Operable under Low Outdoor Temperatures

Even when it is as cold as -15°C outside, both heating and cooling operation are possible. Cooling may be suitable in winter for crowded spaces such as in pubs.

Longer Piping Length

To ease installation work at any site, piping is extendable up to 80 metres* in total length and 15 metres in height (additional refrigerant charge may be required).

*MXZ-5/6



MXZ Specifications

Type				Up to 2 indoor units	Up to 3 indoor units	Up to 4 indoor units		Up to 5 indoor units	Up to 6 indoor units
Model Name				MXZ-2C52VA	MXZ-3C54VA	MXZ-4C71VA	MXZ-4C80VA	MXZ-5C100VA	MXZ-6C120VA
Power Supply [V, Phase, Hz, Source]				230, Single, 50, Outdoor Power Supply					
Cooling	**Capacity**	Rated	kW	5.2	5.4	7.1	8.0	10.0	12.0
		Min. - Max.	kW	1.1 - 6.0	2.9 - 6.8	3.7 - 8.8	3.7 - 9.2	3.9 - 11.0	3.5 - 13.5
	Power Input [In+Out]		W	1,358	1,256	1,768	2,071	2,910	3,740
	COP [In+Out]			3.83	4.30	4.02	3.86	3.44	3.21
	Running Current [In+Out]		A	6.09	5.52	7.76	9.10	12.78	16.43
	Sound Level [Outdoor]	Silent - High	dB(A)	45 - 49	45 - 47	45 - 48	44 - 46	46 - 51	51 - 55
	Air Volume [Outdoor]		ℓ/s	548	702	702	702	943	923
Heating	**Capacity**	Rated	kW	6.4	7.0	8.6	9.4	12.0	14.0
		Min. - Max.	kW	1.0 - 7.0	2.6 - 9.0	3.4 - 10.7	3.4 - 11.6	4.1 - 14.0	3.5 - 16.5
	Power Input [In+Out]		W	1,656	1,534	1,797	2,022	2,950	3,610
	COP [In+Out]			3.86	4.56	4.79	4.65	4.07	3.88
	Running Current [In+Out]		A	7.42	6.74	7.89	8.88	12.96	15.85
	Sound Level [Outdoor]	Silent - High	dB(A)	48 - 50	48 - 51	48 - 52	46 - 48	47 - 54	53 - 57
	Air Volume [Outdoor]		ℓ/s	555	717	717	730	988	1,165
Outdoor	**Dimensions**	Height	mm	550	710	710	900	900	1,070
		Width	mm	800	840	840	900	900	900
		Depth	mm	285	330	330	320	320	320
	Weight		kg	38	57	58	67	68	88
Ext. Piping	**Diameter**	Liquid (φ)	mm^2	6.35 x 2	6.35 x 3	6.35 x 4	6.35 x 4	6.35 x 5	6.35 x 6
		Gas (φ)	mm^2	9.52 x 2	9.52 x 3	9.52 x 3 + 12.7 x 1	9.52 x 3 + 12.7 x 1	9.52 x 4 + 12.7 x 1	9.52 x 5 + 12.7 x 1
	Max. Length	Total - Each	m	30 - 20	50 - 25	60 - 25	70 - 25	80 - 25	80 - 25
	Max. Height		m	15 / 10*	15 / 10*	15 / 10*	15 / 10*	15 / 10*	15 / 10*
Guaranteed Operating Range [Outdoor]		Cooling	°C	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46
		Heating	°C	-15 ~ +24	-15 ~ +24	-15 ~ +24	-15 ~ +24	-15 ~ +24	-15 ~ +24

(NOTE) Model name shows rated cooling capacity when max. quantity of indoor units are connected.
MXZ-5C100VA: 10kW at rated connected with 5 indoor units.

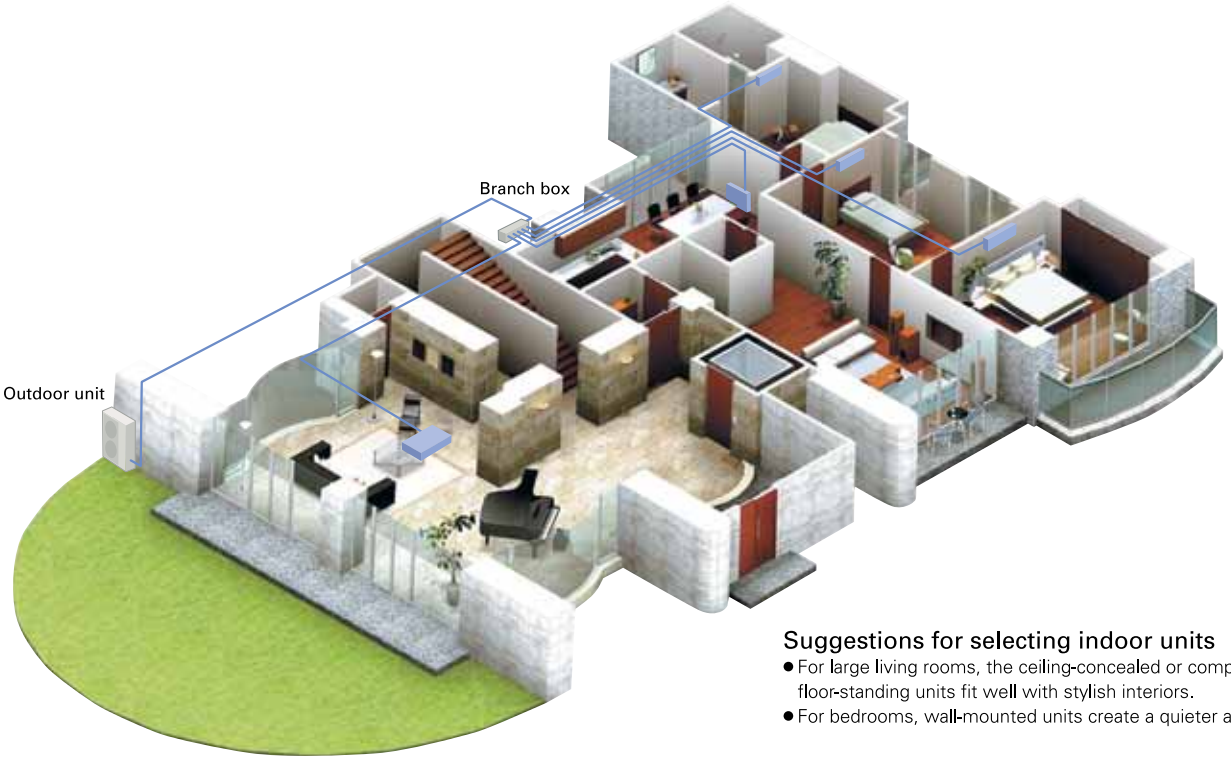
Power input, running current and COP are the figures when connected with below indoor units.
MXZ-2C52VA → MSZ-GE35VA×2
MXZ-3C54VA → MSZ-GE25VA×3
MXZ-4C71VA → MSZ-GE25VA×4
MXZ-4C80VA → MSZ-GE35VA×4
MXZ-5C100VA → MSZ-GE25VA×5
MXZ-6C120VA → MSZ-GE25VA×6

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

(Rating Conditions)
Cooling: Indoor 27°C, D.B./19°C, W.B.
Outdoor 35°C, D.B.
Heating: Indoor 20°C, D.B./15°C, W.B.
Outdoor 7°C, D.B./6°C, W.B.

Power Multi

The Power Multi provides a quiet,
highly efficient and flexible air conditioning system
for all your air conditioning needs.



Suggestions for selecting indoor units

- For large living rooms, the ceiling-concealed or compact floor-standing units fit well with stylish interiors.
- For bedrooms, wall-mounted units create a quieter atmosphere.

Advantages of the Power Multi System

Flexible Choice of Indoor Unit

Power Multi is suitable for any need. From a versatile product line-up of 34 models in 8 types, select the best indoor units to match the application, interior and room size.

High COP

The latest technology gained in the development of our highly-reputed PowerInverter Series offers a higher coefficient of performance (COP) which is top class in the industry.

Silent Operation

Power Multi boasts smooth and quiet operation, ensuring comfort free from disturbing noise. On top of this, "Low-noise Mode" is the default setting for low operating loads, realising even quieter operation. Connection to our latest wall-mounted indoor units allows users to create a silent and comfortable space in which occupants may not even notice the air conditioning is running.

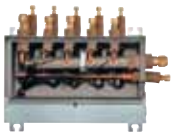
Easy Installation

Easier and safer installation thanks to a branch box that simplifies piping work and the adoption of flare connections, which eliminates the need to use direct flame.

Features of the Branch Box

Noise Kept to a Minimum

The branch box houses a linear expansion valve (LEV), which regulates the flow of refrigerant and invariably produces noise. By locating the branch box in the ceiling or outside, noise generated by the LEV can be kept clear of living spaces, thus maintaining the noise level to a minimum.


PAC-AK52BC

Brazing-free Quick Installation

All the piping leading to and from the branch box is connected using flare joints, which are easy to use and enable piping installation to be completed quickly.

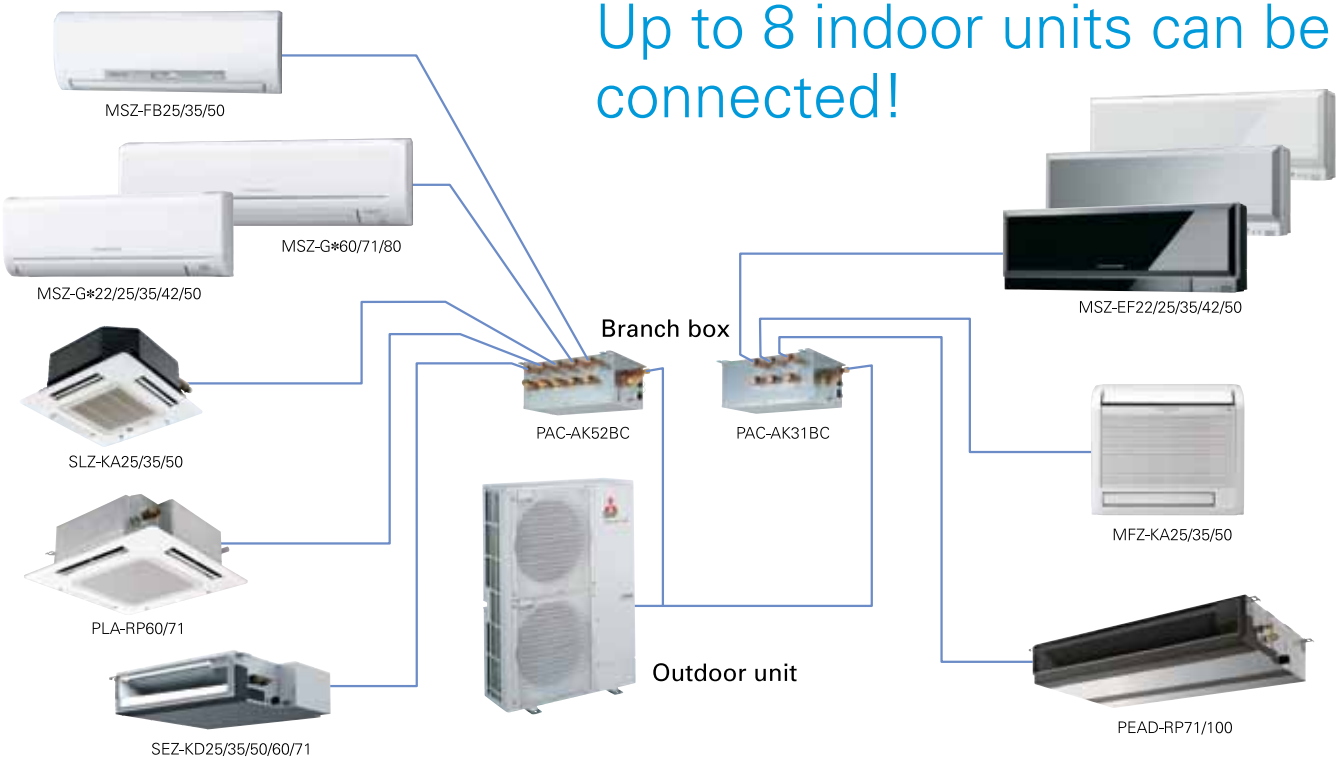
Indoor Installation

The branch box can be installed in the ceiling rather than outside. Furthermore, servicing can be completed easily through access to inner components such as the circuit board by simply removing the side and bottom covers.

Outdoor Installation

Using the optional cover allows outdoor installation of the branch box, eliminating the need for a maintenance hole in the ceiling.

Up to 8 indoor units can be connected!



Selectable indoor models

	2.2kW	2.5kW	3.5kW	4.2kW	5.0kW	6.0kW	7.1kW	8.0kW	10.0kW
Wall-mounted – Deluxe (MSZ-F)		✓	✓		✓				
Wall-mounted – Standard (MSZ-G)	✓	✓	✓	✓	✓	✓	✓	✓	
Wall-mounted – (MSZ-EF)	✓	✓	✓	✓	✓	✓	✓	✓	
Floor-standing (MFZ)		✓	✓		✓				
Ceiling-cassette – 2 x 2 compact (SLZ)		✓	✓		✓				
Ceiling-cassette – Power cassette (PLA-RP)						✓	✓		
Ceiling-concealed – Compact (SEZ)		✓	✓		✓	✓	✓		
Ceiling-concealed (PEAD-RP)*1							✓		✓

MXZ-8B140/160VA Specifications

Type				Up to 8 indoor units	
Model Name				**MXZ-8B140VA**	**MXZ-8B160VA**
Power Supply [V, Phase, Hz, Source]				230, Single, 50, Outdoor Power Supply	
Cooling	**Capacity**	Rated	kW	14.0	15.5
	Power Input [Outdoor]		kW	3.79	4.64
	EER*2 [Indoor + Outdoor]			3.52	3.21
	Running Current*2 [Outdoor]		A	16.6	20.4
	Sound Pressure Level [Outdoor]	Silent - Rated	dB(A)	47 - 50	48 - 51
	Air Volume [Outdoor]		ℓ/s	1,670	1,770
Heating	**Capacity**	Rated	kW	16.0	18.0
	Power Input [Outdoor]		kW	3.90	4.80
	COP*2 [Indoor + Outdoor]			3.91	3.61
	Running Current*2 [Outdoor]		A	17.1	21.1
	Sound Pressure Level [Outdoor]	Rated	dB(A)	52	54
	Air Volume [Outdoor]		ℓ/s	1,670	1,770
Number of Connectable Indoor Units		Min. - Max.		2 - 8	2 - 8
Breaker Size			A	40	40
Outdoor	**Dimensions**	Height	mm	1,350	1,350
		Width	mm	950	950
		Depth	mm	330	330
	Weight		kg	129	129
Ext. Piping	**Diameter**	Liquid (φ)	mm	9.52 x 1	9.52 x 1
		Gas (φ)	mm	15.88 x 1	15.88 x 1
	Max. Length	Total / Each	m	115 - 70	115 - 70
	Max. Height*3		m	30 / 20	30 / 20
Refrigerant Chargeless Piping Length			m	40	40
Guaranteed Operating Range [Outdoor]		Cooling	°C	-5 ~ +46	-5 ~ +46
		Heating	°C	-15 ~ +21	-15 ~ +21

∗1 With PEAD models, the total capacity of indoor units need to be 100% of the outdoor unit capacity as maximum.
∗2 Figures represented in power input, running current and EER/COP are when connected with indoor units below.
MXZ-8B140VA → MSZ-GE22VA × 8
MXZ-8B160VA → MSZ-GE25VA × 8
∗3 The maximum height is 20m when installing an outdoor unit positioned lower than indoor unit.

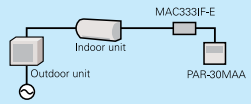
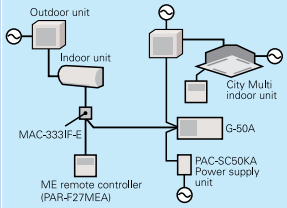
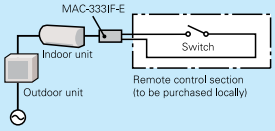
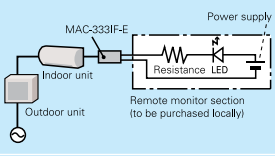
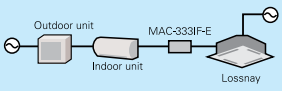
Accessories

Model Name	Description	Compatible Models
MAC-415FT-E	Anti-allergy Enzyme Filter	MSZ-GE22/25/35/50VA, MFZ-KA25/35/50VA
MAC-408FT-E		MSZ-GE22/25/35/50VA
MAC-417FT		MSZ-FB25/35/50VA
MAC-2310FT-E	Electrostatic Anti-allergy Enzyme Filter	MSZ-GE60/71/80VA
MAC-307FT-E	Plasma Deodorizing Filter	MSZ-FB25/35/50VA
MAC-093SS-E	Quick Clean Kit	MSZ-FB25/35/50VA, MSZ-GE22/25/35/50/60/71/80VA
MAC-333IF-E	System Control Interface	MSZ-FB/GE, MFZ-KA, SEZ-KD, SLZ-KA
PAR-30MAA	Wired Remote Controller (MAC-397IF-E required)	MSZ-FB/GE, MFZ-KA
PAR-SL94B-E	Wireless Remote Controller Kit	PCA-RP50/60/71KAQ
PAC-SH88KF-E	High-efficiency Filter	PCA-RP50KAQ
PAC-SH89KF-E		PCA-RP60/71KAQ
PAC-SH83DM-E	Drain Pump	PCA-RP50KAQ
PAC-SH84DM-E		PCA-RP71KAQ
PAC-SH85DM-E		PCA-RP60KAQ
PAC-SH59KF-E	High-efficiency Filter Element	PLA-RP60/71BA
PAC-SH53TM-E	Multi-functional Casement	
PAC-SH48AS-E	Space Panel	
PAC-SH51SP-E	Shutter Plate	
PAR-SA9FA-E	Built-in Wireless Remote Control Receiver Kit	PLA-RP
PAC-SH65OF-E	Flange for Fresh-air Intake	
PAC-SA1ME-E	i-see Sensor Corner Panel	
PAR-FL32MA-E	Wireless Remote	PEAD-RP
PAC-KE93TB-E	Filter Box	PEAD-RP71
PAC-KE94TB-E		PEAD-RP100
MAC-A454JP-E	Joint Pipe (unit ø9.52 --> pipe ø12.7)	MXZ Series
MAC-A455JP-E	Joint Pipe (unit ø12.7 --> pipe ø9.52)	
MAC-A456JP-E	Joint Pipe (unit ø12.7 --> pipe ø15.88)	
PAC-SG76RJ-E	Joint Pipe (unit ø9.52 --> pipe ø15.88)	
PAC-493PI	Joint Pipe (unit ø6.35 --> pipe ø9.52)	
PAC-SG64DP-E	Drain Pan	MXZ-8
PAC-SG61DS-E	Drain Socket	
MAC-851DS		SUZ-KA25/35
MAC-811DS		SUZ-KA50/60/71
MAC-881SG	Air Outlet Guide (to change airflow direction)	MXZ-2, MUZ-GE25/35/42/50
MAC-886SG		MUZ-GE60/71/80
MAC-856SG		MXZ-3/4/5
PAC-SG59SG-E		MXZ-8 (2 pcs. required)
MSDD-50AR-E	Distribution Pipe (to connect two branch boxes): flare connection	MXZ-8 (PAC-AK31/52BC)
MSDD-50BR-E	Distribution Pipe (to connect two branch boxes): brazing connection	
PAC-AK350CVR-E	Branch Box Outer Cover (for outdoor installation)	

System Control

Versatile system controls can be realized by using optional parts, relay circuits, control panels, etc.

For M Series Indoor Units (New A-control Inverter Models Only)

	System Examples	Connection Details	Control Details	Major Optional Parts Required
1 Wired Remote Control • Air conditioners can be controlled by wired remote controller equipped with Weekly Timer function.		Wired remote controller can be connected to indoor unit via interface.	With wired remote controller, operation mode/set temperature/fan speed/ vertical air direction*1 and timer settings*2 can be changed individually.	• **MAC-333IF-E** (Interface) • **PAR-30MAA** (Wired remote controller)
2 Centralized Control • Air conditioners can be group controlled with City Multi (M-NET).		M-NET connection is possible via interface.	Individual On/Off and switching Off at a specified time is possible. Operation mode/set temperature/fan speed/ air direction*1 and timer settings*2 can be changed individually.	• **MAC-333IF-E** (M-NET Interface) • Centralized controller for City Multi, such as G50, and power supply unit, etc.
3 Remote On/Off Operation • Air conditioner can be started/ stopped remotely. (3 and 4 can be used in combination)		Connect interface to air conditioner and set up a circuit by using the terminal inside the interface locally.	On/Off is possible from a remote location.	• **MAC-333IF-E** (Interface) • Parts for circuit such as relay box, lead wire, etc. (to be purchased locally)
4 Remote Display of Operation Status • The On/Off status of air conditioner can be confirmed remotely. (3 and 4 can be used in combination)		Connect interface to air conditioner and set up a circuit by using the terminal inside the interface locally.	The operation status (On/Off) or error signals can be monitored from a remote location.	• **MAC-333IF-E** (Interface) • Parts for circuit (to be purchased locally/ DC power source needed)
5 Interlocking with Lossnay • Lossnay can be operated simultaneously with an indoor unit.		Lossnay can be connected to an indoor unit via an interface.	Lossnay can be operated simultaneously with an indoor unit.	• **MAC-333IF-E** • Cable for Lossnay connection (to be purchased locally)

For further details, refer to the separate manual. *1 Not applicable to the models without air direction control. *2 For the timer setting, do not use the wireless and wired remote controllers together.

Conditions for Specifications

Rating Conditions (AS/NZS 3823)

Cooling	Indoor	27°C DB, 19°C WB
	Outdoor	35°C DB
Heating	Indoor	20°C DB
	Outdoor	7°C DB, 6°C WB

Guaranteed operating range: see specifications table.

Sound pressure level

- The sound pressure measurement is conducted in an anechoic chamber.
- The actual sound level depends on the distance from the unit and the acoustic environment.

Functions

Energy Saving

- DC Inverter
- PAM Control
- Area Setting
- Econo Cool
- "I Feel" Control
- i-see Sensor

Comfort

- Super Quiet : Only 19dB
- Vertical Airflow
- Auto Vane
- Swing (Vertical Vane)
- Swing (Horizontal Vane)
- Wide & Long Airflow
- Powerful Mode

Fresh Air

- Plasma Duo Filter Systems
- Fresh Air Intake
- Electrostatic Anti-allergy Enzyme Filter
- Anti-allergy Enzyme Filter
- Catechin Filter
- Nano Platinum Filter
- Anti-mold Air Cleaning Filter
- Air Cleaning Filter
- Long-life Filter
- Mould Fighter

Design

- Flat Panel
- Pure White
- Only 200mm in Height
- Suitable for 2 x 2 Ceiling (600 x 600mm)
- Compact Size

Convenience

- 24-hour Timer
- "i save" Mode
- Weekly Timer
- PAR-30MAA Control
- M-NET Connection
- Auto Change Over
- Auto Restart
- Wide Cooling Temperature Range
- Low-temperature Cooling
- Heating at -15°C is possible
- Wide Cooling Temperature Range

Installation & Maintenance

- Cleaning-free Pipe Reuse
- Failure Recall Function
- Easy Installation with an Installation Plate
- Quick Clean Body
- Easy & Simple Flare Connection
- Long-length Piping
- MXZ Connection
- Self-diagnostic Function

Anti-corrosion treatment for outdoor unit (MUZ outdoor units)

To protect the outdoor unit from rain and environmental damage, a special anti-corrosion treatment has been applied to the exterior panel. Additionally equipped with water-repellent fins that offer excellent resistance to salt and corrosion.

Warm, even heat in winter and cool comfort in summer is only a phone call or click away.

Simply contact your nearest Mitsubishi Electric Specialist today and you can find out all there is to know about how to enhance your living environment. Our specialists are fully qualified to give you all the right advice on which Mitsubishi Electric Air Conditioning System is right for you.

To locate your nearest Mitsubishi Electric Specialist go to our website

http://www.MitsubishiElectric.com.au

They will determine whether a Compact Inverter System or a Power Inverter System best suits your needs, both in comfort and efficiency. You can either visit one of our Specialist's Showrooms, or they will happily arrange for one of their Consultants to come to your home.

All Mitsubishi Electric Air Conditioning Systems are MEPS (Minimum Efficiency Performance Standard) Compliant, so you can be sure that they will give you the performance and efficiency that they were designed to deliver.

⚠ NOTICE

- Products in this brochure contain and operate with R410A refrigerant and synthetic oils. Please refer to the installation instructions before installation or servicing of these products.
- Under Australian law, only persons suitably licensed are permitted to install, service or repair air conditioning units.
- The buyer must ensure that the person and/or company who is to install, service or repair the air conditioner has the necessary licenses, qualifications and experience to perform the work.
- 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, relocating or servicing the air conditioners, use only the specified refrigerant (R410A) to charge the refrigerant lines. Do not mix the specified refrigerant with any other refrigerant and do not allow air to remain in the lines. If air is mixed with the refrigerant, it can be the cause of abnormally high pressure in the refrigerant lines and may result in an explosion and other hazards. The use of a refrigerant other than the one specified for the system will cause mechanical failure, system malfunction or unit breakdown. In some cases, it may also seriously reduce product safety.

Mitsubishi Electric Shizuoka Works acquired ISO9001 certification under Series 9000 of the International Standard Organization (ISO) based on a review of Quality warranties for the production of air conditioning equipment. The plant also acquired environmental management system standard ISO 14001 certification.

MITSUBISHI ELECTRIC CORPORATION

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