MITSUBISHI ELECTRIC

Split Systems

Why Choose Mitsubishi Electric?

As a leading company in the industry, Mitsubishi Electric has 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.

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.

Ultimate Comfort & Modern Design

Clean and attractive air conditioners in a variety of designs to suit diversified needs. With stylish lines for the living room and quiet operation for the bedroom. Our air conditioners provide advanced air control which is smart and sophisticated.

Flexible Choice

Mitsubishi Electric air conditioners range from wall-mounted, floor standing, ceiling-concealed, ceiling-cassette to ceiling-suspended units, which are suitable for any needs.

Energy Efficiency

Mitsubishi Electric strives for the perfect balance of performance, reliability, low power consumption and a long operational life span for all our products.

Quiet Operation

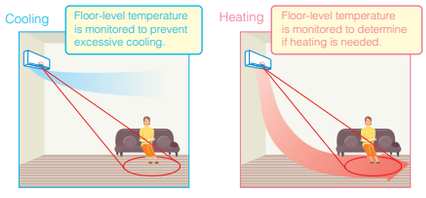
We recognise that noise affects comfort, so we constantly work to make our air conditioners as quiet as possible. With improvements to our fan blades combined with grille shape to our outdoor unit, it's even quieter when in low noise mode. We want you to feel the comfort, not hear it.

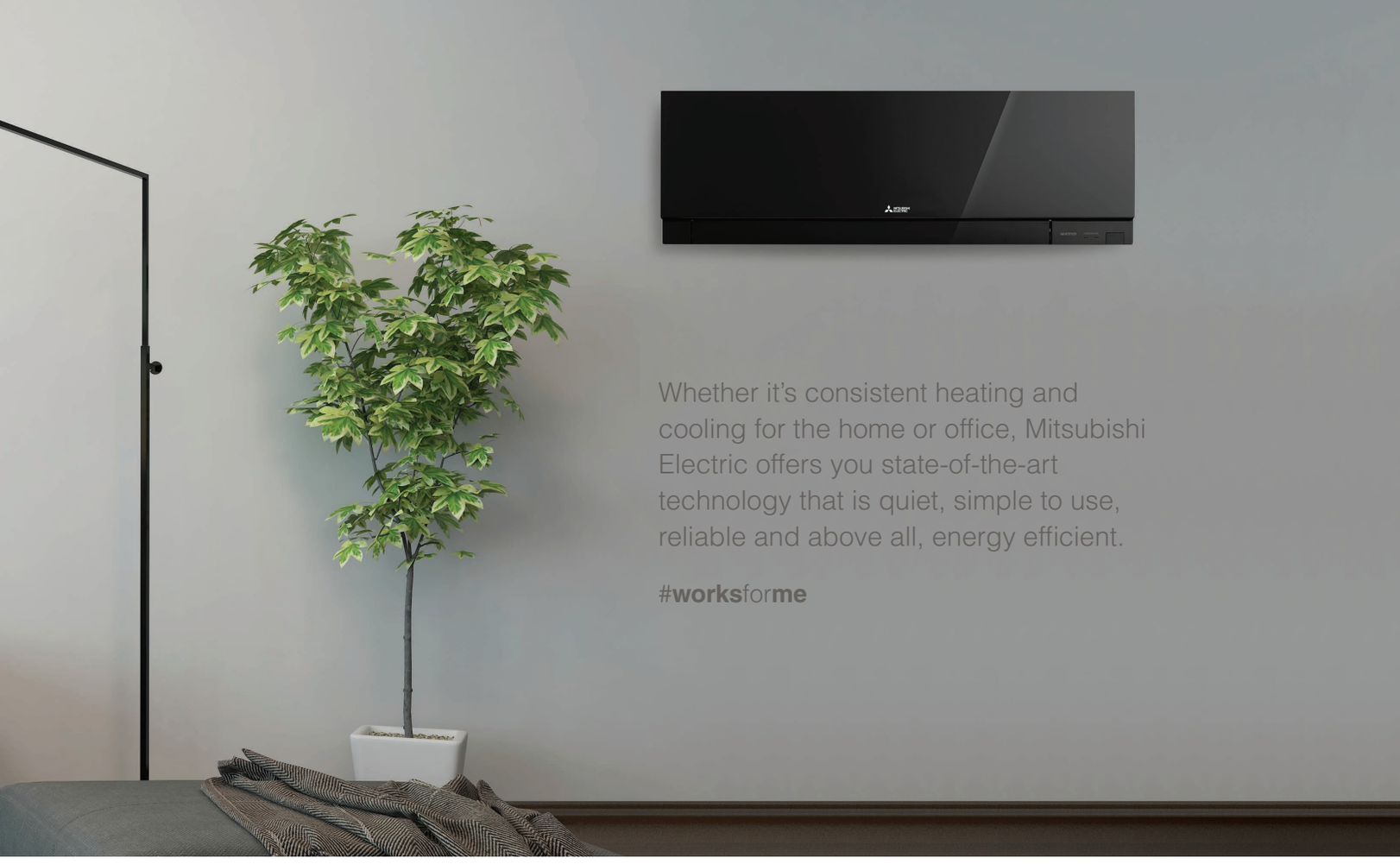
Inverter Technology

Mitsubishi Electric inverter technologies ensure superior performance including the optimum control of operation frequency. Optimum power is applied in all heating/cooling ranges and maximum comfort is achieved while consuming minimal energy.

3D i-See Sensor

The "3D i-See Sensor" sweeps from side-to-side automatically monitoring the floor temperature over a wide area spanning 150°. The airflow speed and temperature are adjusted to prevent over-heating/cooling, thereby eliminating the consumption of excessive electricity. (FH Model only)





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.

#**works**for**me**

OUR SPLIT SYSTEM PRODUCT LINE UP

MSZ-FH Series

2.5kW	3.5kW	5.0kW
✓	✓	✓

- Heating & Cooling
- Inverter Technology
- Double Vane
- 24 Hour Timer
- Natural Flow
- Quiet Operation
- Plasma Duo
- Anti-Mould Filter
- Quick Clean
- Weekly Timer
- Wi-Fi Connectable*
- 3D i-See Sensor
- Auto Change Over

MSZ-FH Series

MSZ-EF Series

2.5kW	3.5kW	4.2kW	5.0kW
✓	✓	✓	✓

- Heating & Cooling
- Inverter Technology
- Nano Platinum Filter
- Auto Change Over
- 3 Colours available white, silver & black
- Weekly Timer
- Wi-Fi Connectable*
- Beveled Flat Panel
- Auto Vane
- 24 Hour Timer
- Auto Restart

MSZ-EF Series

MSZ-GL Series

2.5kW	3.5kW	4.2kW	4.8kW	6.0kW	7.1kW	7.8kW
✓	✓	✓	✓	✓	✓	✓

- Heating & Cooling
- Inverter Technology
- R32 Refrigerant
- Quiet Operation
- i-Save Mode
- Blue Fin Condenser
- Wide & Long Airflow (71/80)
- Wi-Fi Connectable*
- Auto Change Over
- Demand Response Capable
- Anti-Allergy Enzyme Filter (Optional)
- Weekly Timer
- 24 Hour Timer
- Quick Clean
- Auto Restart

MSZ-GL Series

MFZ-KJ Series

2.5kW	3.5kW	5.0kW	6.0kW
✓	✓	✓	✓

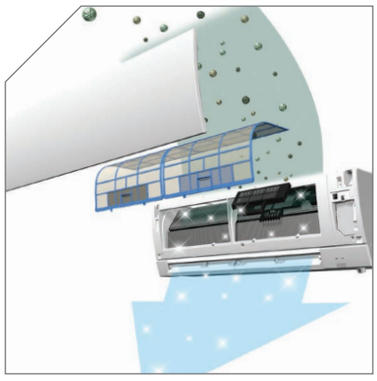
- Heating & Cooling
- Inverter Technology
- Only 19dB (KJ 25/35)
- Nano Platinum Filter
- Horizontal Auto Vane
- Horizontal Swing
- Built-In Weekly Timer
- 24 Hour Timer
- Auto Restart
- Vertical Airflow
- Wi-Fi Connectable*

MFZ-KJ Series

* Optional upgrade adapter required per unit.

FH Series

The new FH series is the culmination of our air-cleaning, 3D i-See sensor and airflow technologies, and represent our efforts to create an air conditioner that puts healthy living as number one priority.

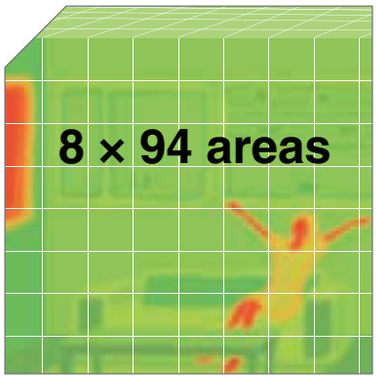


Plasma Filter

The Plasma Filter System is an advanced, multi-stage filtration system designed to effectively neutralise contaminants such as allergens, viruses and bacteria ensuring the circulation of fresh, clean air back into the room.

Quiet Operation

We recognise that noise affects comfort, so we constantly work to make our air conditioners as quiet as possible. With improvements to our fan blades combined with a new grille shape to our outdoor unit, it's even quieter when in low noise mode. We want you to feel the warmth, not hear it.



3D i-See Sensor

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

FEATURES

- » Heating & Cooling
- » Inverter Technology
- » Absence Detection
- » Econo Cool
- » Auto Vane
- » Anti-Mould Filter
- » Pure White
- » Compact
- » 24 Hour Timer
- » Auto Restart
- » Quick Clean
- » Weekly Timer
- » Guaranteed Operating Range
  Cooling at -10°C ~ 46°C
  Heating at -15°C ~ 24°C
- » Vertical & Horizontal Swing
- » Auto Change Over
- » 3D i-See Sensor
- » Direct/Indirect Airflow
- » Natural Flow

Wi-Fi CONTROL

Wi-Fi Connectable
Optional upgrade adapter required per unit.

EF Series

The streamlined wall-mounted indoor units have eloquent clean lines, expressing sophistication and quality. Available in 3 stylish colours, classic white, matte silver and glossy black, to provide the best match scenario for diverse interior designs while simultaneously ensuring maximum room comfort and energy savings.

Stylish Design

Developed to complement modern interior room decor, MSZ-EF Series is available in three colours glossy black, matte silver and classic white. Specially chosen to blend in naturally wherever installed.

Platinum Filter

The Nano Platinum Deodorising Filter reduces airborne bacteria while improving air quality. The optional Electrostatic Anti-Allergy Enzyme Filter effectively combats common allergens.

Energy Efficient

Impressively low power consumption and quiet, yet powerful performance. Ensuring maximum room and energy savings, therefore eliminating the consumption of excessive electricity.

FEATURES

- Heating & Cooling
- Inverter Technology
- Econo Cool
- Nano Platinum Filter
- Auto Restart
- 24 Hour Timer
- Weekly Timer
- Self Diagnosis
- Guaranteed Operating Range
  Cooling at -10°C ~ 46°C
  Heating at -15°C ~ 24°C
- Auto Change Over
- Electrostatic Anti-Allergy Enzyme Filter (Optional)

Wi-Fi CONTROL

Wi-Fi Connectable
Optional upgrade adapter required per unit.

GL Series

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

Quiet Operation

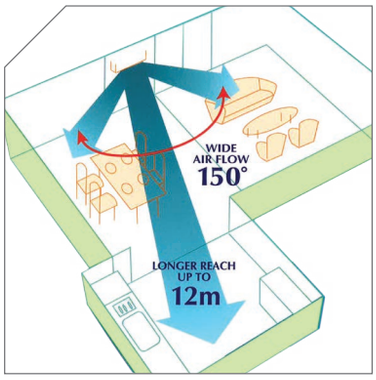
A “Quiet Mode” setting has been added to the fan speed settings, ensuring super quiet operation below 19dB for model sizes 35 and under. Perfect for the bedroom; it’s so quiet you’ll check to see if it’s on.

(Models 25/35)

Blue Fin Condenser

Anti-corrosion treatment has been applied to the heat exchanger of the outdoor unit. This coating inhibits corrosion of the aluminum fins; salt in the air causes this especially in coastal areas.

(Corrosion of the heat exchanger will affect the efficiency and performance of the AC)



Wide & Long Airflow

The wide and long airflow modes allow the airflow direction to be adjusted, ensuring every corner of the room is comfortable.

These modes are simply activated at the touch of a button on your remote controller.

(Models 71/80)

FEATURES

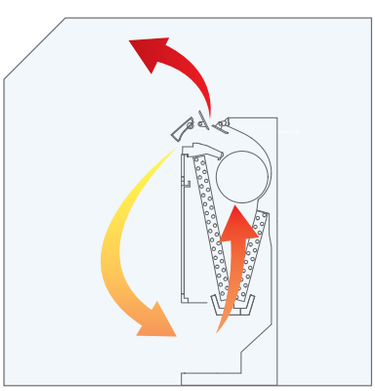
- Heating & Cooling
- Inverter Technology
- Econo Cool
- Auto Vane
- Pure White
- Demand Response Capable
- Low Temperature Cooling
- Weekly Timer
- Auto Restart
- Quick Clean
- Auto Fan Speed
- 24 Hour Timer
- Auto Change Over
- Anti-Allergy Enzyme Filter (Optional)
- Horizontal Swing
- Vertical Swing (Models 71/80)
- Guaranteed Operating Range
  Cooling at -10°C ~ 46°C
  Heating at -15°C ~ 24°C

Wi-Fi CONTROL

Wi-Fi Connectable
Optional upgrade adapter required per unit.

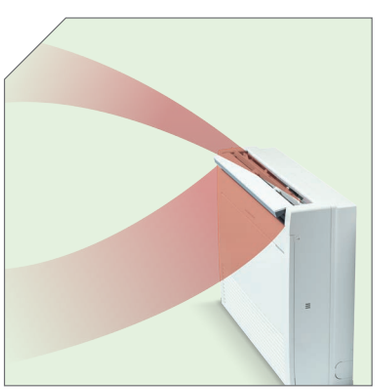
KJ Series

High capacity, simple, flat design in harmony with living spaces raises the value of your room to the next level.



Rapid Heating Technology

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



Multi Flow Vane

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

Slim, Sophisticated Design

Floor consoles feature a new contemporary sleek design that harmonises with all types of interiors.

FEATURES

- Heating & Cooling
- Inverter Technology
- Only 19dB (KJ 25/35)
- Econo Cool
- Nano Platinum Filter
- Horizontal Auto Vane
- Horizontal Swing
- Pure White
- Built-In Weekly Timer
- 24 Hour Timer
- Guaranteed Operating Range
  Cooling at -10°C ~ 46°C
  Heating at -15°C ~ 24°C
- Auto Restart
- Self Diagnosis
- Error Logs
- Vertical Airflow
- Easy Installation
  (with leveling plate)
- Emergency Operation Switch
- Anti-Allergy Enzyme Filter

Wi-Fi CONTROL

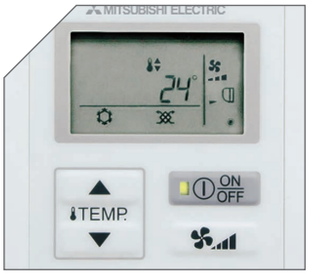
Wi-Fi Connectable
Optional upgrade adapter required per unit.

Controls

HANDHELD CONTROLLERS & WALL MOUNTED CONTROLS

Making the most out of your air conditioner all starts with the controls, these allow you to create the comfort levels that match your demands.

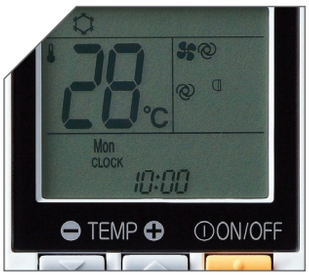
As air conditioners become more advanced, so are the controls, to allow accuracy and ease of use to maximise the functionality of your air conditioner. The availability of handheld controllers, wired wall mounted controller PAR-33MAA and Wi-Fi Control not only provide you with a wide variety of choice, but also allow optimised programming efficiency.



PAC-YT52CRA Controller

To simplify operation of the system, the range of controls has been limited to On/Off, mode, room temperature, fan speed and additional vane control for high walls, cassettes, and under ceilings units. It also has the ability to sense the room ambient via the inbuilt thermostat. This means you are sensing the actual space temperature where the end user is.

Optional upgrade adapter required per unit.



Weekly Remote Controller

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

PAR33-MAA 7 Day Controller

Perfect for anyone with a busy lifestyle the 7 day controller can program up to 8 settings for each day of the week. Easy to set desired temperatures and regulate energy usage without compromising comfort.

Optional upgrade adapter required per unit.

WI-FI CONTROL

Wi-Fi Control unlocks the door to smarter heating or cooling, for total home comfort wherever you are.

This innovative technology connects your domestic high wall, floor mounted and ducted air conditioner to your smartphone, tablet or online account, giving you the freedom to fully control each unit on-the-go via an Internet connection from anywhere in the world.

Optional upgrade adapter required per unit.

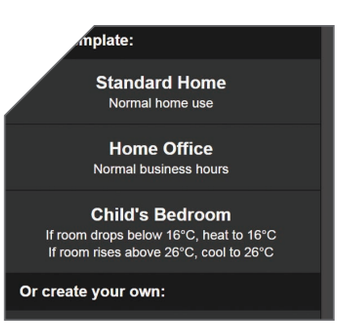
Wi-Fi CONTROL

FEATURES

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

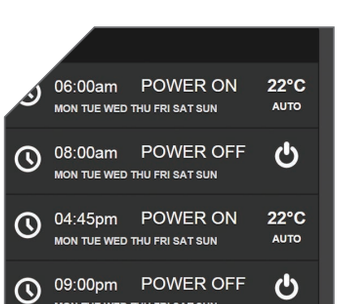
Superior Customisation

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



Develop Operating Rules

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



Control Multiple Units

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

FUNCTIONS

Energy Saving

3D i-See Sensor

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

DC Inverter

Inverter technology matches the compressor speed to your indoor heating or cooling requirements. PAM (Pulse Amplitude Modulation) provides higher efficiency within the inverter by controlling the amount of power drawn.

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 degrees without any loss in comfort, thereby realising a 20% gain in energy efficiency. (Function only available during manual cooling operation.)

“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.

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.

Comfort

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.

Swing (Vertical Vane)

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

Swing (Horizontal Vane)

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

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 up to as far as 12 metres from the unit.

Air Quality

Air Cleaning Filter

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

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.

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.

Electrostatic Anti-Allergy Enzyme Filter

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

Fresh-Air Intake

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

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.

Plasma Duo Filter Systems

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 particulates of micron and nanometre-size from the air.

Convenience

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.

Auto Changeover

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

Auto Restart

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

Auto Fan Speed Mode

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

"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.

Low-Temperature Cooling

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

On/Off Operation Timer

Use the remote controller to set the times for the air conditioner to turn On/Off.

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.

System Control

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.)

M-Net Connection

Units can be connected to MELANS system controllers (M-NET controllers) such as the AE-200E.

MXZ Connection

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

PAR-33MAA Control

Units are compatible for use with the PAR-33MAA 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.

Wi-Fi Interface

Interface enabling users to control air conditioners and check operating status via devices such as personal computers, tablets and smartphones.

Optional upgrade adapter required per unit.

Installation & Maintenance

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.

*Cleaning-Free Pipe Reuse Technology specifically applies to piping which is contaminated with chlorine residue, iron particles and slime. These contaminants are typically found in which the previous system utilised R22 refrigerant. Cleaning-Free Pipe Reuse Technology cannot be used to clean pipes which contain foreign matter other than what can be generated from an operating air conditioner.

Error Log Function

Operation errors are recorded, allowing confirmation when needed.

Flare Connection

Flare connection to cooling pipe work is possible.

Quick Clean

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.

SPECIFICATIONS

SERIES			Deluxe Wall Mounted MSZ-FH Series			Signature Wall Mounted MSZ-EF Series			
Model			MSZ-FH25VE-A1 MUZ-FH25VE-A1	MSZ-FH35VE-A1 MUZ-FH35VE-A1	MSZ-FH50VE-A1 MUZ-FH50VE-A1	MSZ-EF25VE2W/B/S MUZ-EF25VE	MSZ-EF35VE2W/B/S MUZ-EF35VE	MSZ-EF42VE2W/B/S MUZ-EF42VE	MSZ-EF50VE2W/B/S MUZ-EF50VE
Cooling Performance	Nominal Total Cooling*1	kW	2.5 (1.4-3.5)	3.5 (0.8-4.0)	5.0 (1.9-6.0)	2.5 (1.2-3.4)	3.5 (1.4-4.0)	4.2 (0.9-4.6)	5.0 (1.4-5.4)
	AEER/EER		4.60 / 4.90	3.92 / 4.07	3.54 / 3.62	4.56/4.59	3.83/3.85	3.27/3.28	3.20/3.21
	Star Rating		5.5	3.5	2.5	4.5	3	2	1.5
	Total Input (Min-Rated-Max)	kW	0.210 - 0.510 - 0.900	0.170 - 0.860 - 1.150	0.410 - 1.380 - 2.250	0.240 - 0.545 - 1.150	0.210 - 0.910 - 1.500	0.160 - 1.280 - 1.930	0.300 - 1.580 - 1.980
	Running Current (Rated)	A	2.7	4.0	6.1	2.9	4.2	5.7	6.9
Heating Performance	Nominal Heating Capacity*1	kW	3.2 (1.8-5.5)	4.0 (1.0-6.3)	6.0 (1.7-8.7)	3.2 (1.1-4.2)	4.0 (1.8-5.5)	5.4 (1.4-6.3)	5.8 (1.6-7.5)
	ACOP/COP		5.21/5.52	4.8/5.0	3.96/4.05	4.55/4.57	4.17/4.19	3.69/3.70	3.70/3.71
	Star Rating		6	5	3.5	4.5	4	3.0	2.5
	Total Input (Min-Rated-Max)	kW	0.280 - 0.580 - 2.000	0.270 - 0.800 - 2.000	0.430 - 1.480 - 3.060	0.250 - 0.700 - 1.170	0.280 - 0.955 - 1.530	0.260 - 1.460 - 2.050	0.310 - 1.565 - 2.640
	Running Current (Rated)	A	2.9	3.8	6.5	3.5	4.4	6.5	7.0
Airflow	Airflow (Cooling/Heating)	L/s	65-193/67-220	65-193/67-220	107-207/95-243	67-175/67-198	67-175/67-212	97-172/92-212	97-183/107-220
Indoor Unit	Dimensions (H x W x D)	mm	305 (+17) × 925 × 234	305 (+17) × 925 × 234	305 (+17) × 925 × 234	299 x 885 x 195	299 x 885 x 195	299 x 885 x 195	299 x 885 x 195
	Unit Weight	kg	13.5	13.5	13.5	11.5	11.5	11.5	11.5
	Noise Level (SPL) in Cooling	dB(A)	20 - 23 - 29 - 36 - 42	21 - 23 - 29 - 36 - 42	27-31 - 35 - 39 - 44	21 - 23 - 29 - 36 - 42	21 - 24 - 29 - 36 - 42	28 - 31 - 35 - 39 - 42	30 - 33 - 36 - 40 - 43
	Noise Level (SPL) in Heating	dB(A)	20 - 24 - 29 - 36 - 44	21 - 24 - 29 - 36 - 44	25 - 29 - 34 - 39 - 46	21 - 24 - 29 - 37 - 45	21 - 24 - 30 - 38 - 46	28 - 30 - 35 - 41 - 48	30 - 33 - 37 - 43 - 49
Outdoor Unit	Dimensions (H x W x D)	mm	550 x 800 x 285	550 x 800 x 285	880 x 840 x 330	550 x 800 x 285	550 x 800 x 285	550 x 800 x 285	880 x 840 x 330
	Weight	kg	37	37	55	30	35	35	54
	Noise Level (SPL/ PWL) - in Cooling	dB(A)	46/60	49/61	51/64	47/58	49/61	50/62	52/65
	Noise Level (SPL/ PWL) in Heating	dB(A)	49/61	50/62	54/64	48/60	50/63	51/64	52/66
Electrical	Volt / Phase		240/1			240/1			
Refrigerant	Pipe Size (Gas) OD	mm (Inch)	9.52 (3/8)	9.52 (3/8)	12.7 (1/2)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	12.7 (1/2)
	Pipe Size (Liquid) OD	mm (Inch)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)
	Max Pipe Run/ Height	m	20/12	20/12	30/15	20/12	20/12	20/12	30/15
	Pre-Charged Refrigerant	kg	1.15 (7m)	1.15 (7m)	1.55 (7m)	0.8 (7m)	1.15 (7m)	1.15 (7m)	1.45 (7m)
	Add. Charge	g/m	30	30	20	30	30	30	20
	Outdoor - Cooling	°CDB	-10 ~ 46	-10 ~ 46	-10 ~ 46	-10 ~ 46			
	Outdoor - Heating	°CDB	-15 ~ 24	-15 ~ 24	-15 ~ 24	-15 ~ 24			
MCA		A	9.6	10	14	7.3	8.5	9.5	12.4
Breaker Size		A	10	10	16	10	10	10	16

Notes:

*1 Nominal conditions cooling: EAT 27°CDB/19°CWB, Ambient 35°CDB. Rated conditions cooling: EAT 24°CDB/17°CWB, ambient 35°CDB.
Nominal conditions heating: EAT 20°CDB/15°CWB, Ambient 7°CDB/6°CWB.

2 Rated Load Amps (RLA) is based on nominal conditions. Use Maximum Circuit Amps (MCA) for power supply infrastructure sizing, etc.

(Rating Conditions)

Cooling:	Indoor	27°C, D.B./19°C, W.B.
	Outdoor	35°C, D.B./24°C, W.B.
Heating:	Indoor	20°C, D.B./15°C, W.B.
	Outdoor	7°C, D.B./6°C, W.B.

MUZ-FH25/35
MUZ-EF25/35/42

MUZ-FH50
MUZ-EF50

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This is a guide only, please refer to the installation and service manuals to confirm the latest specifications or contact your local Mitsubishi Electric office.

SERIES			MSZ-GL Series						
Model			MSZ-GL25VGD MUZ-GL25VGD	MSZ-GL35VGD MUZ-GL35VGD	MSZ-GL42VGD MUZ-GL42VGD	MSZ-GL50VGD MUZ-GL50VGD	MSZ-GL60VGD MUZ-GL60VGD	MSZ-GL71VGD MUZ-GL71VGD	MSZ-GL80VGD MUZ-GL80VGD
Cooling Performance	Nominal Total Cooling*1	kW	2.5 (1.1-3.6)	3.5 (1.1-4.1)	4.2 (0.9-4.8)	4.8 (1.5-6.2)	6.0 (1.5-7.2)	7.1 (2.4-8.7)	7.8 (2.4-9.2)
	AEER/EER		5.07/5.10	4.10/4.12	3.61/3.62	4.09/4.10	3.77/3.77	3.53/3.53	3.30/3.31
	Star Rating		5.5	3.5	2.5	4.0	3.0	2.5	2.0
	Total Input (Min-Rated-Max)	kW	0.19 - 0.49 - 0.99	0.19 - 0.85 - 1.18	0.17 - 1.16 - 1.90	0.30 - 1.17 - 2.07	0.30 - 1.59 - 2.30	0.48 - 2.01 - 3.20	0.48 - 2.36 - 3.20
	Running Current (Rated)	A	2.6	4.0	5.3	5.2	7.1	8.8	10.8
Heating Performance	Nominal Heating Capacity*1	kW	3.2 (1.3-5.0)	3.7 (1.6-5.1)	5.4 (1.4-6.0)	5.8 (1.6-8.0)	6.8 (2.0-9.3)	8.0 (2.2-9.9)	9.0 (2.2-11.0)
	ACOP/COP		4.82/4.85	4.55/4.57	3.69/3.70	4.22/4.23	4.06/4.07	3.82/3.83	3.52/3.53
	Star Rating		5.0	4.5	3.0	3.5	3.5	3.0	2.5
	Total Input (Min-Rated-Max)	kW	0.20 - 0.66 - 1.37	0.20 - 0.81 - 1.42	0.19 - 1.46 - 1.90	0.30 - 1.67 - 2.84	0.34 - 1.37 - 2.68	0.42 - 2.09 - 3.65	0.43 - 2.55 - 3.65
	Running Current (Rated)	A	3.5	3.8	6.6	6.1	7.4	9.1	11.3
Airflow	Airflow (Cooling/Heating)	L/s	67-200/62-182	67-200/62-200	77-205/78-205	113-282/127-282	107-268/120-290	153-290/163-315	153 -290/163-315
Indoor Unit	Dimensions (H x W x D)	mm	290 x 799 x 232	290 x 799 x 232	290 x 799 x 232	305 x 923 x 250	305 x 923 x 250	325 x 1100 x 238	325 x 1100 x 238
	Unit Weight	kg	10	10	10	12.5	13	15.5	15.5
	Noise Level (SPL) in Cooling	dB(A)	19 - 24 - 31 - 38 - 44	19 - 24 - 31 - 38 - 44	26 - 29 - 35 - 40 - 46	28 - 33 - 39 - 44 - 49	29 - 37 - 41 - 45 - 49	30 - 37 - 41 - 45 - 49	30 - 37 - 41 - 45 - 53
	Noise Level (SPL) in Heating	dB(A)	19 - 25 - 31 - 38 - 42	19 - 25 - 31 - 38 - 45	26 - 29 - 35 - 40 - 46	28 - 33 - 38 - 43 - 48	30 - 37 - 41 - 45 - 51	30 - 37 - 41 - 45 - 51	30 - 37 - 41 - 45 - 51
Outdoor Unit	Dimensions (H x W x D)	mm	550 x 800 x 285	550 x 800 x 285	550 x 800 x 285	880 x 840 x 330	880 x 840 x 330	880 x 840 x 330	880 x 840 x 330
	Weight	kg	33	33	34	53	53	55	55
	Noise Level (SPL/ PWL) - in Cooling	dB(A)	46/59	50/62	51/64	54/69	55/69	56/69	55/69
	Noise Level (SPL/ PWL) in Heating	dB(A)	49/59	50/62	52/64	56/69	55/69	55/69	55/69
Electrical	Volt / Phase		230/1						
Refrigerant	Pipe Size (Gas) OD	mm (Inch)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	12.7 (1/2)	12.7 (1/2)	12.7 (1/2)
	Pipe Size (Liquid) OD	mm (Inch)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)
	Max Pipe Run/ Height	m	20/12	20/12	20/12	30/15	30/15	30/15	30/15
	Pre-Charged Refrigerant	kg	0.97 (10m)	0.97 (10m)	0.97 (10m)	1.2 (15m)	1.25 (15m)	1.5 (15m)	1.5 (15m)
	Add. Charge	g/m	20	20	20	20	20	20	20
	Outdoor - Cooling	°CDB	-10 ~ 46						
	Outdoor - Heating	°CDB	-15 ~ 24						
MCA		A	7.1	7.1	9.5	14.3	14.3	16.5	16.5
Breaker Size		A	10	10	10	16	16	20	20

Notes:

*1 Nominal conditions cooling: EAT 27°CDB/19°CWB, Ambient 35°CDB. Rated conditions cooling: EAT 24°CDB/17°CWB, ambient 35°CDB.
Nominal conditions heating: EAT 20°CDB/15°CWB, Ambient 7°CDB/6°CWB.

2 Rated Load Amps (RLA) is based on nominal conditions. Use Maximum Circuit Amps (MCA) for power supply infrastructure sizing, etc.

(Rating Conditions)

Cooling:	Indoor	27°C, D.B./19°C, W.B.
	Outdoor	35°C, D.B./24°C, W.B.
Heating:	Indoor	20°C, D.B./15°C, W.B.
	Outdoor	7°C, D.B./6°C, W.B.

MUZ-GL25/35/42

MUZ-GL50/60/71/80

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SPECIFICATIONS

SERIES			MFZ-KJ Series			
Model			MFZ-KJ25VE MUFZ-KJ25VE	MFZ-KJ35VE MUFZ-KJ35VE	MFZ-KJ50VE MUFZ-KJ50VE	MFZ-KJ60VE MUFZ-KJ60VE
Cooling Performance	Nominal Total Cooling*1	kW	2.5 (0.5-3.4)	3.5 (0.5-3.7)	5.0 (1.6-5.7)	6.0 (1.6-6.8)
	AEER/EER		4.62 - 4.63	3.88 - 3.89	3.56 - 3.57	3.42 - 3.43
	Star Rating		5.0	3.0	2.5	2.0
	Total Input (Min-Rated-Max)	kW	0.15 - 0.54 - 0.91	0.15 - 0.90 - 1.14	0.43 - 1.40 - 1.97	0.43 - 1.75 - 2.40
	Running Current (Rated)	A	2.7	4.2	6.2	7.8
Heating Performance	Nominal Heating Capacity*1	kW	3.4 (1.2-4.6)	4.3 (1.2-5.8)	5.8 (2.2- 8.2)	6.8 (2.2-9.1)
	ACOP/COP		4.41/4.42	3.90/3.91	3.86/3.87	3.59/3.60
	Star Rating		4.0	3.0	3.0	2.5
	Total Input (Min-Rated-Max)	kW	0.36 - 0.77 - 1.40	0.36 - 1.10 - 2.20	0.58 - 1.50 - 3.06	0.58 - 1.89 - 3.70
	Running Current (Rated)	A	3.7	5.0	6.7	8.4
Airflow	Airflow (Cooling/Heating)	L/s	65-137/65-162	65-137/65-162	93-177/100-233	93-250/100-243
Indoor Unit	Dimensions (H x W x D)	mm	600 x 750 x 215	600 x 750 x 215	600 x 750 x 215	600 x 750 x 215
	Unit Weight	kg	15	15	15	15
	Noise Level (SPL) in Cooling	dB(A)	20 - 39	20 - 39	27 - 44	27 - 53
	Noise Level (SPL) in Heating	dB(A)	19 - 41	19 - 41	29 - 50	29 - 51
Outdoor Unit	Dimensions (H x W x D)	mm	550 x 800 x 285	550 x 800 x 285	880 x 840 x 330	880 x 840 330
	Weight	kg	37	37	55	55
	Noise Level (SPL/ PWL) - in Cooling	dB(A)	46/59	47/60	49/63	52/65
	Noise Level (SPL/ PWL) in Heating	dB(A)	51/62	51/63	52/63	53/65
Electrical	Volt / Phase		230/1			
Refrigerant	Pipe Size (Gas) OD	mm (Inch)	9.52 (3/8)	9.52 (3/8)	12.7 (1/2)	12.7 (1/2)
	Pipe Size (Liquid) OD	mm (Inch)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)
	Max Pipe Run/ Height	m	20/12	20/12	30/15	30/15
	Pre-Charged R410A	kg	1.1 (7m)	1.1 (7m)	1.5 (7m)	1.5 (7m)
	Add. Charge	g/m	30	30	20	20
	Outdoor - Cooling	°CDB	-10 ~ 46	-10 ~ 46	-10 ~ 46	-10 ~ 46
	Outdoor - Heating	°CDB	-15 ~ 24	-15 ~ 24	-15 ~ 24	-15 ~ 24
MCA		A	9.4	9.4	14.0	16.5
Breaker Size		A	10	10	16	20

Notes:

*1 Nominal conditions cooling: EAT 27°CDB/19°CWB, Ambient 35°CDB. Rated conditions cooling: EAT 24°CDB/17°CWB, ambient 35°CDB.
Nominal conditions heating: EAT 20°CDB/15°CWB, Ambient 7°CDB/6°CWB.

2 Rated Load Amps (RLA) is based on nominal conditions. Use Maximum Circuit Amps (MCA) for power supply infrastructure sizing, etc.

(Rating Conditions)

Cooling:	Indoor	27°C, D.B./19°C, W.B.
	Outdoor	35°C, D.B./24°C, W.B.
Heating:	Indoor	20°C, D.B./15°C, W.B.
	Outdoor	7°C, D.B./6°C, W.B.

MUFZ-KJ25/35

MUFZ-KJ50/60

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