









M

SERIES



SELECTION

Choose the model that best matches room conditions.

SELECT SERIES		
A multiple series line-up to choose from, each with various outstanding features. In addition to inverter-equipped models, constant-speed, floor-standing and cassette models can be selected. Choose the best series to match usage needs.		
Wall-mounted Units		
MSZ-L SERIES R32 R410A *2  25/35/50 25/35 25/35 SEER A+++ SCOP A+++ MXZ connection	MSZ-AY SERIES R32 R410A *2  25/35 25-50 SEER A+++ SCOP A++ MXZ connection	MSZ-AP SERIES R32 R410A *1 MSZ-AP60/71VG(K)  MSZ-AP15/20VG(K) 20 60 SEER A+++ SCOP A++ MXZ connection
MSZ-E SERIES R32 R410A *1  25/35 25/35 SEER A+++ SCOP A+++ MXZ connection	MSZ-HR SERIES R32 MSZ-HR60/71VF(K)  MSZ-HR25-50VF(K) SEER A+++ SCOP A+ MXZ connection	MSY-TP SERIES R32  35 SEER A+++
Floor-standing		Cassette Units
MFZ SERIES R32  SEER A+++ SCOP A+ MXZ connection	MLZ SERIES R32  MLZ-KP25/35/50VF MLZ-KY20VG MXZ connection	



SEER A SCOP A Energy Rank

R32 R32 Refrigerant

MXZ connection Compatible for connection to MXZ Series system

R410A R410A Refrigerant

*1 R410A is for MXZ and PUMY connection.
 *2 R410A is for PUMY connection.

SELECT OUTDOOR UNIT		
Some outdoor units in the line-up have heaters for use in cold regions. Units with an "H" in the model name are equipped with heaters.		
Heater Installed MUZ-AY25/35/42/50VGH MUZ-EF25/35VGH MUZ-SF25/35/42/50VEH	Hyper Heating MUZ-RW25/35/50VGHZ MUZ-LN25/35/50VGHZ MUZ-FT25/35/50VGHZ MUZ-FH25/35/50VEHZ MUFZ-KW25/35/50/60VGHZ	Selecting a Heater-equipped Model In regions with the following conditions, there is a possibility that water resulting from condensation on the outdoor unit when operating in the heating mode will freeze and not drain from the base. 1) Cold outdoor temperatures (temperature does not rise above 0°C all day) 2) Areas where dew forms easily (in the mountains, valleys (surrounded by mountains), near a forest, near unfrozen lakes, ponds, rivers or hot springs), or areas with snowfall. To prevent water from freezing in the base, it is recommended that a unit with a built-in heater be purchased. Please ask your dealer representative about the best model for you.
 MUZ-LN25/35VG	 MUZ-LN50VG2	

MSZ-L SERIES

R32
Single / MXZ, PUMY

R410A
PUMY

MSZ-LN18/25/35/50/60VG2

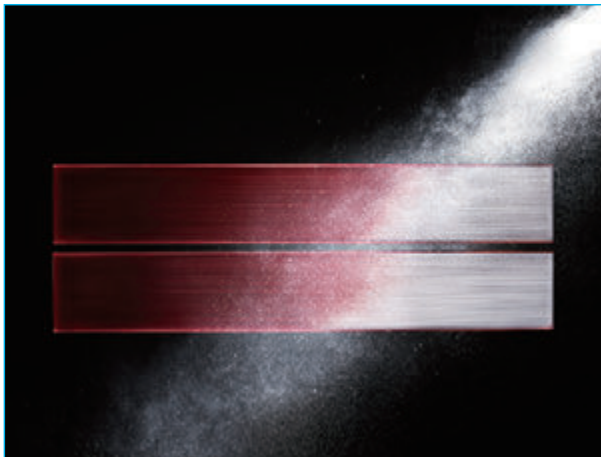
GOOD DESIGN AWARD 2016
BEST 100



Developed to complement modern interior room décor, the LN Series is available in four colours specially chosen to blend in naturally wherever installed. Not only the sophisticated design, but also the optimum energy efficiency and operational comfort add even more value to this series.

Luminous and Luxurious Design

Natural White, Pearl White, Ruby Red, and Onyx Black. LN Series indoor units are available in four colours to match various lifestyles. The appearance of the indoor unit differs depending on the lighting in the room, attracting the attention of everyone that enters the room.



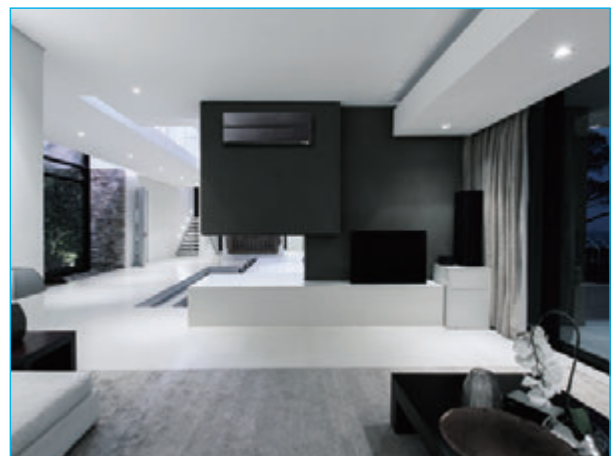
Master craftsmanship painting technology has resulted in a refined design, giving the finish deep colour and a premium quality feel.



Pearl White blends in with any interior.



Ruby Red gives an accent to the room, affording timeless elegance to sophisticated interiors.



Onyx Black matches darker interiors, creating a comfortable environment.

LED Backlight Remote Controller

Not only the indoor units, but the wireless remote controllers come in four colours as well. Each remote controller matches the indoor unit. Even the textures are the same.

The setting can be easily checked in the dark thanks to LED backlight.



Pearl White



Ruby Red



Onyx Black

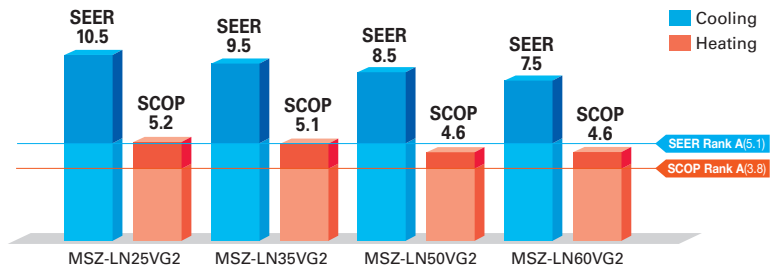


Natural White

High Energy Efficiency

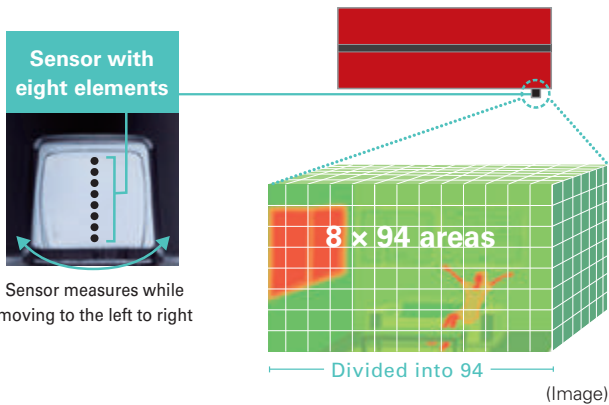


Optimum cooling/heating performance is another feature for the LN series. Models from capacities 25 to 50 have achieved the "Rank A+++" for SEER, and models for capacities 25 and 35 have achieved the "Rank A+++" for SCOP as well.



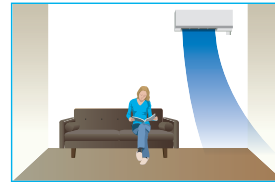
3D i-see Sensor

The LN 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 analyze the room temperature in three dimensions. This detailed analysis makes it possible to judge where people are in the room, thus allowing creation of features such as "Indirect airflow," to avoid airflow hitting people directly, and "direct airflow" to deliver airflow to where people are.



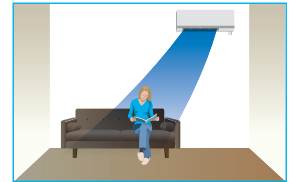
Indirect Airflow

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



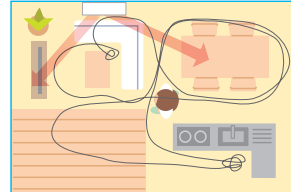
Direct Airflow

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

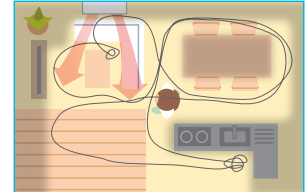


Even Airflow *LN Series only

Normal swing mode



Even airflow mode

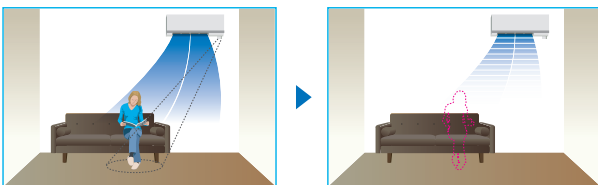


The airflow is distributed equally throughout the room, even to spaces where there is no human movement.

The 3D i-see sensor memorizes human movement and furniture positions, and efficiently distributes airflow.

No occupancy energy-saving mode

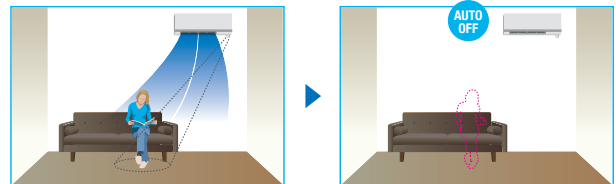
The sensors detect whether there are people in the room. When no-one is in the room, the unit automatically switches to energy-saving mode.



The "3D i-see Sensor" detects people's absence and the power consumption is automatically reduced approximately 10% after 10 minutes and 20% after 60 minutes.

No occupancy Auto-OFF mode *LN Series only

The sensors detect whether or not there are people in the room. When there is no one in the room, the unit turns off automatically.

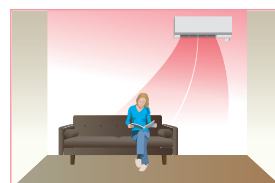


Circulator Operation

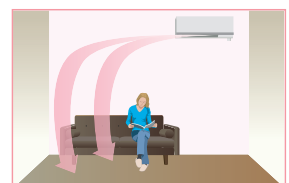
(MSZ-LN18/25/35/50/60VG-SC Scandinavian model)

In case the indoor temperature reaches the setting temperature, the outdoor unit stops and the indoor unit starts FAN operation to circulate the indoor air.

The outdoor unit starts operation automatically when the indoor temperature drops below the setting temperature.



If the heating operation is continued, the warm air is formed around ceiling.

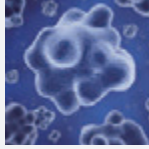


This operating can help to circulate and refresh warm air.

Plasma Quad Plus

Plasma Quad Plus is a plasma-based filter system that effectively removes six kinds of air pollutants. Plasma Quad Plus captures mold and allergens more effectively than Plasma Quad. It can also capture PM2.5 and particles smaller than 2.5µm, creating healthy living spaces for all.

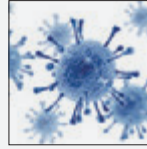
Bacteria



Test results have confirmed that Plasma Quad Plus neutralizes 99% of bacteria in 162 minutes in a 25m³ test space.

<Test No.> KRCEs-Bio. Test Report No. 2016-0118

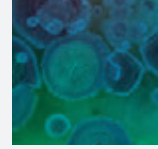
Viruses



Test results have confirmed that Plasma Quad Plus neutralizes 99% of virus particles in 72 minutes in a 25m³ test space.

<Test No.> vrc.center, SMC No. 28-002

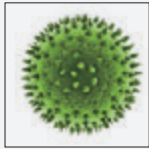
Molds



Test results have confirmed that Plasma Quad Plus neutralizes 99% of mold in 135 minutes in a 25m³ test space.

<Test No.> Japan Food Research Laboratories Test Report No. 16069353001-0201

Allergens



In a test, air containing cat fur and pollen was passed through the air cleaning device at the low airflow setting. Before and after measurements confirm that Plasma Quad Plus neutralizes 98% of cat fur and pollen.

<Test No.> ITEA Report No. T1606028

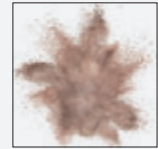
PM2.5



Test results have confirmed that Plasma Quad Plus removes 99% of PM2.5 in 145 minutes in a 28m³ test space.

<In-company investigation>

Dust



Test results have confirmed that Plasma Quad Plus removes 99.7% of dust and mites.

<Test No.> ITEA Report No. T1606028

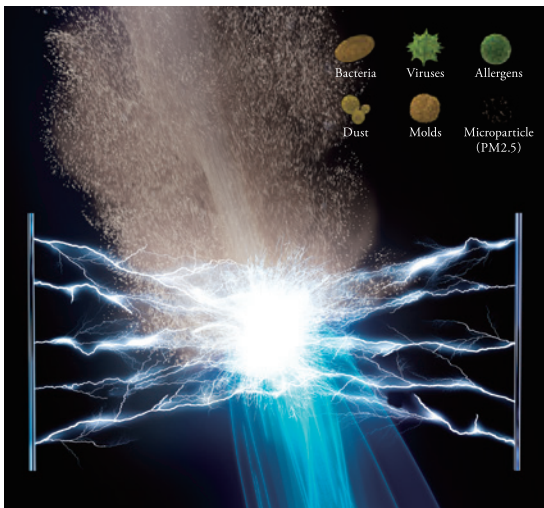
Model	Name	Method	Bacteria	Viruses	Molds	Allergens	Dust	PM2.5*
FH Series	Plasma Quad	One-Stage Plasma	A	A	B	B	C	
LN Series	Plasma Quad Plus	Two-Stage Plasma	A	A	A	A	A	A

A: Highly effective
B: Effective
C: Partially effective

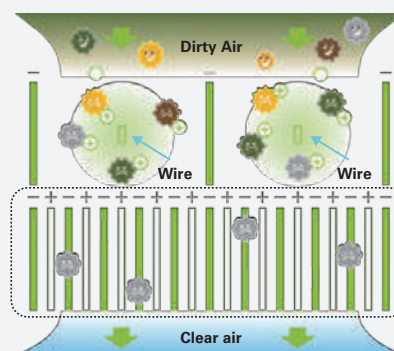
*PM2.5:
Particles smaller than 2.5µm



Image of Plasma Quad Plus



Principle of Plasma Quad Plus



- Dust, PM2.5
- Viruses
- Bacteria
- Mold
- Allergens

1st stage

- Make plasma.
- Break mold and allergens.
- Inhibit viruses.
- Dust and PM2.5 given an electrical charge (+).

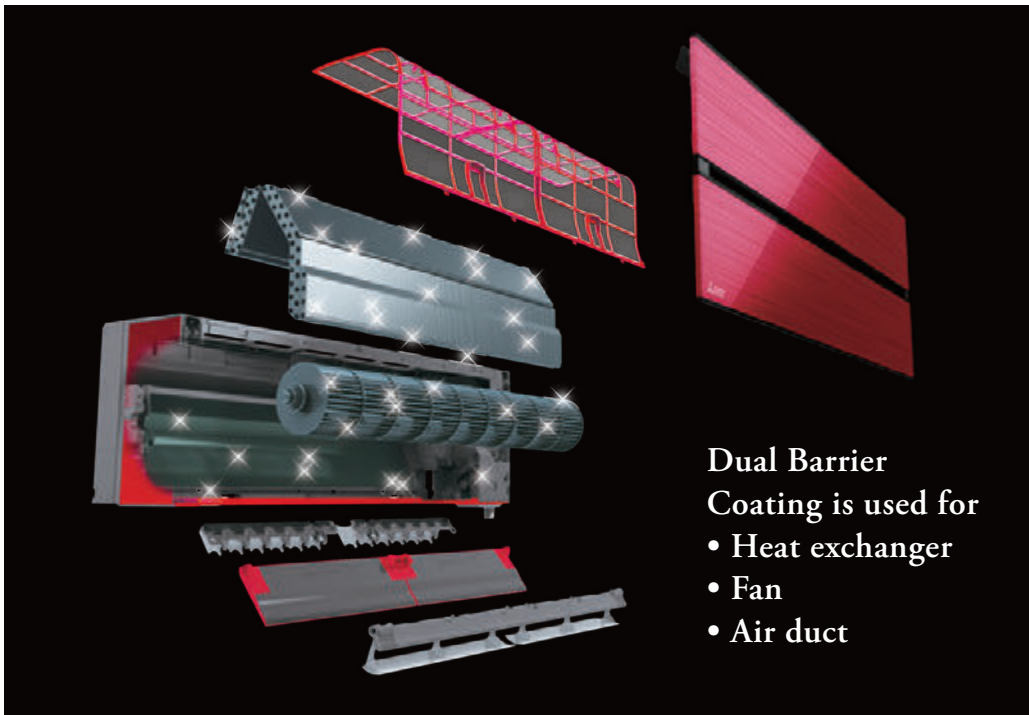
2nd stage

- Make a strong electrical field.
- The charged dust and PM2.5 (+) are absorbed in the strong electrical field (-).



Dual Barrier Coating

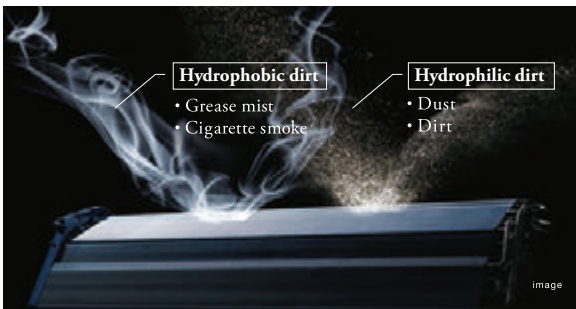
A two-barrier coating prevents dust and greasy dirt from getting into the air conditioner.



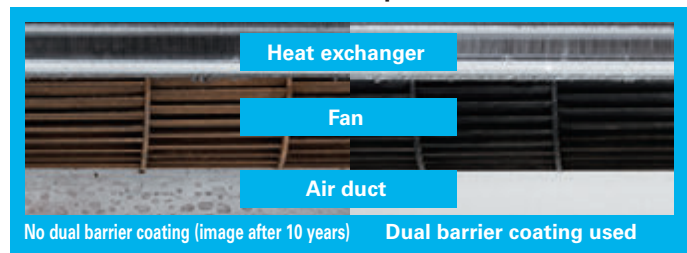
SIAA ^{※1}
Anti Fungus
 JP0512075X0001C
 (Fan, Air duct)

State-of-the-art coating technology

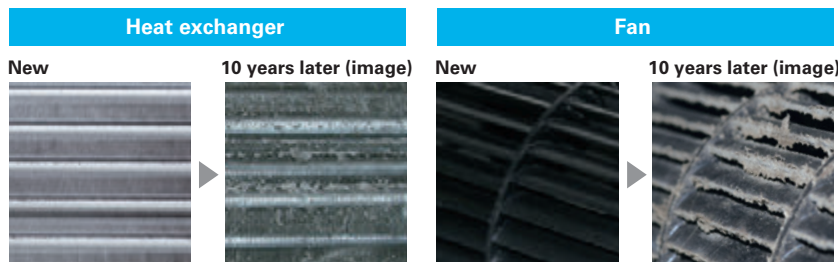
Dirt is generally classified into two groups: hydrophilic dirt such as fiber dust and sand dust, and hydrophobic dirt such as oil and cigarette smoke. Mitsubishi Electric's dual barrier coating works as a two-barrier coating that prevent hydrophilic dirt penetration and "hydrophilic particles" that prevent hydrophobic dirt from getting into the air conditioner. This dual coating on the inner surface keeps the air conditioner clean year-round.



Comparison of dirt on heat exchanger, fan and air duct (in-house comparison)



The inside of the indoor unit gets dirty after many years of usage.



Consequences when the inside of the indoor unit is left dirty

- Deterioration in energy efficiency
- Musty smell from the unit

※1 Verified by SIAA test method (JIS Z 2911) with No. JP0501014A0002O on SIAA antifungal agent positive list. Antifungal effect depends on the working environment. Fungicides comply with the SIAA safety criteria.
 What is SIAA? https://www.kohkin.net/en_index/en_siaa.html

Double Flap

The vanes create various airflows to make each person in the room comfortable. Not only the horizontal vanes, but also the vertical vanes move independently, eliminating hot spots or cold spots throughout the room.

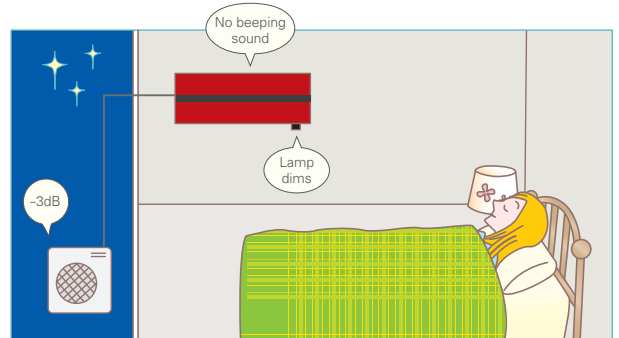


Night Mode

When Night Mode is activated using the wireless remote controller, air conditioner operation will switch to the following settings.

- The brightness of the operation indicator lamp will become dimmer.
- The beeping sound will be disabled.
- The outdoor operating noise will drop to 3dB lower than the rated operating noise specification.

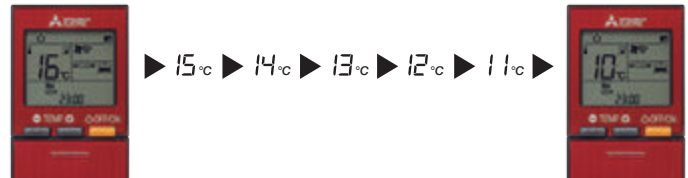
*The cooling/heating capacity may drop.



10°C Heating

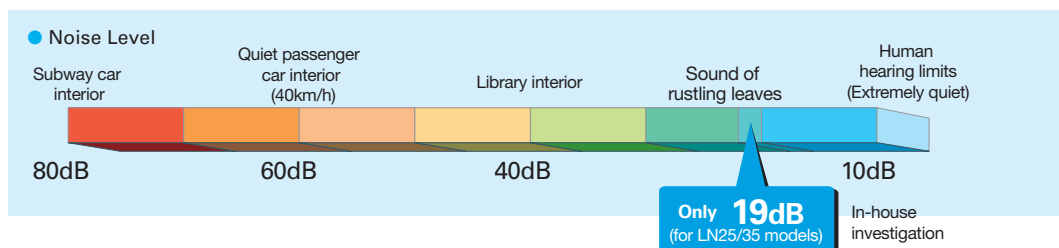
During heating operation, the temperature can be set in 1°C increments down to 10°C.

This function can also be used with the Weekly Timer setting.



Quiet Operation

The indoor unit noise level is as low as 19dB for LN25/35 models, offering a peaceful inside environment.



Built-in Wi-Fi Interface

The indoor unit is equipped with a Wi-Fi Interface inside an exclusive pocket in the unit.

This eliminates the need to install a Wi-Fi interface, and also contributes to the beautiful appearance since the interface is hidden.



MSZ-L SERIES



Indoor Unit / Remote Controller



<Pearl White>



MSZ-LN18/25/35/50/60VG2V

<Ruby Red>



MSZ-LN18/25/35/50/60VG2R

<Natural White>



MSZ-LN18/25/35/50/60VG2W

<Onyx Black>



MSZ-LN18/25/35/50/60VG2B

Outdoor Unit



MUZ-LN25/35VG2



MUZ-LN50VG2



MUZ-LN60VG2



Type			Inverter Heat Pump						
Indoor Unit			MSZ-LN18VG2	MSZ-LN25VG2	MSZ-LN35VG2	MSZ-LN50VG2	MSZ-LN60VG2		
Outdoor Unit			for MXZ connection	MUZ-LN25VG2	MUZ-LN35VG2	MUZ-LN50VG2	MUZ-LN60VG2		
Refrigerant			Single: R32 ⁽¹⁾ / Multi: R410A or R32 ⁽¹⁾						
Power Source			Outdoor Power Supply						
Supply	Outdoor (V / Phase / Hz)		230 / Single / 50						
Cooling	Design load	kW	-	2.5	3.5	5.0	6.1		
	Annual electricity consumption ⁽²⁾	kWh/a	-	83	129	205	285		
	SEER ⁽⁴⁾		-	10.5	9.5	8.5	7.5		
	Capacity	Energy efficiency class		-	A+++	A+++	A+++	A++	
		Rated	kW	-	2.5	3.5	5.0	6.1	
Heating (Average Season) ⁽⁵⁾	Declared Capacity	kW	-	1.0 - 3.5	0.8 - 4.0	1.0 - 6.0	1.4 - 6.9		
	Back up heating capacity	kW	-	0.485	0.820	1.380	1.790		
	Design load	kW	-	3.0 (-10°C)	3.6 (-10°C)	4.5 (-10°C)	6.0 (-10°C)		
	Capacity	at reference design temperature	kW	-	3.0 (-10°C)	3.6 (-10°C)	4.5 (-10°C)	6.0 (-10°C)	
		at bivalent temperature	kW	-	3.0 (-10°C)	3.6 (-10°C)	4.5 (-10°C)	6.0 (-10°C)	
Annual electricity consumption ⁽²⁾	kWh/a	-	2.5 (-15°C)	3.2 (-15°C)	4.2 (-15°C)	6.0 (-15°C)			
Operating Current (Max)	SCOP ⁽⁴⁾		-	5.2	5.1	4.6	4.6		
	Capacity	Energy efficiency class		-	A+++	A+++	A++	A++	
		Rated	kW	-	3.2	4.0	6.0	6.8	
	Min-Max	kW	-	0.7 - 5.4	0.9 - 6.3	1.0 - 8.2	1.8 - 9.3		
	Input	kW	-	0.600	0.820	1.480	1.810		
Indoor Unit	Operating Current (Max)	A	-	7.1	9.9	13.9	15.2		
	Input	kW	-	0.027	0.027	0.034	0.040		
	Operating Current (Max)	A	-	0.3	0.3	0.4	0.4		
	Dimensions	H*W*D	mm	307-890-233	307-890-233	307-890-233	307-890-233		
	Weight	kg		14.5 (W) 15.5 (V, R, B)	14.5 (W) 15.5 (V, R, B)	14.5 (W) 15.5 (V, R, B)	15 (W) 16 (V, R, B)		
	Air Volume (SLo-Lo-Mid-Hi-SHi) ⁽³⁾	Cooling	m ³ /min		4.7 - 5.9 - 7.1 - 9.2 - 12.4	4.7 - 5.9 - 7.1 - 9.2 - 12.4	4.7 - 5.9 - 7.1 - 9.2 - 13.0	5.7 - 7.6 - 8.8 - 10.6 - 13.9	
		Heating	m ³ /min		4.5 - 6.6 - 7.5 - 11.0 - 13.9	4.5 - 6.6 - 7.5 - 11.0 - 13.9	4.5 - 6.6 - 7.5 - 11.0 - 13.9	5.4 - 6.4 - 8.5 - 10.7 - 15.7	
	Sound Level (SPL) (SLo-Lo-Mid-Hi-SHi) ⁽³⁾	Cooling	dB(A)		19 - 23 - 29 - 36 - 42	19 - 23 - 29 - 36 - 42	19 - 24 - 29 - 36 - 43	27 - 31 - 35 - 39 - 46	
		Heating	dB(A)		19 - 24 - 29 - 38 - 45	19 - 24 - 29 - 38 - 45	19 - 24 - 29 - 38 - 45	25 - 29 - 34 - 39 - 47	
	Sound Level (PWL)	dB(A)			58	58	59	60	
Dimensions	H*W*D	mm		550-800-285	550-800-285	714-800-285	880-840-330		
Outdoor Unit	Weight	kg		33	40	40	53		
	Air Volume	Cooling	m ³ /min		34.3	34.3	40.0	48.8	
		Heating	m ³ /min		32.7	32.7	40.5	55.0	
	Sound Level (SPL)	Cooling	dB(A)		46	49	51	55	
		Heating	dB(A)		49	50	54	55	
	Sound Level (PWL)	dB(A)			60	61	64	65	
	Operating Current (Max)	A			6.8	9.6	13.5	14.8	
	Breaker Size	A			10	10	16	16	
	Ext. Piping	Diameter	Liquid/Gas	mm		6.35/9.52	6.35/9.52	6.35/9.52	6.35/12.7
		Max.Length	Out-In	m		20	20	30	30
Max.Height		Out-In	m		12	12	12	15	
Guaranteed Operating Range (Outdoor)	Cooling	°C			-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46	
	Heating	°C			-15 ~ +24	-15 ~ +24	-15 ~ +24	-15 ~ +24	

(1) Refrigerant leakage contributes to climate change. Refrigerant with lower global warming potential (GWP) would contribute less to global warming than a refrigerant with higher GWP, if leaked to the atmosphere. This appliance contains a refrigerant fluid with a GWP equal to 550. This means that if 1 kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 550 times higher than 1 kg of CO₂ over a period of 100 years. Never try to interfere with the refrigerant circuit yourself or disassemble the product yourself and always ask a professional.

The GWP of R32 is 675 in the IPCC 4th Assessment Report.

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

(3) SHi: Super High

(4) SEER, SCOP and other related description are based on COMMISSION DELEGATED REGULATION (EU) No.626/2011. The temperature conditions for calculating SCOP are based on "Average Season".

(5) Please see page 57-59 for heating (warmer season) specifications.

MSZ-AY SERIES

The AY series has an excellent cleanliness feature and ranges to two models: the VGK model comes standard with the V Blocking Filter, which has antiviral, antibacterial, anti-mold, and anti-allergen effects, and the VGKP model comes standard with Plasma Quad Plus, which can collect PM2.5 dust in addition to these effects. The AY series has also been upgraded in terms of quietness, energy efficiency, and ease of installation. Enjoy a comfortable air environment with the AY series.

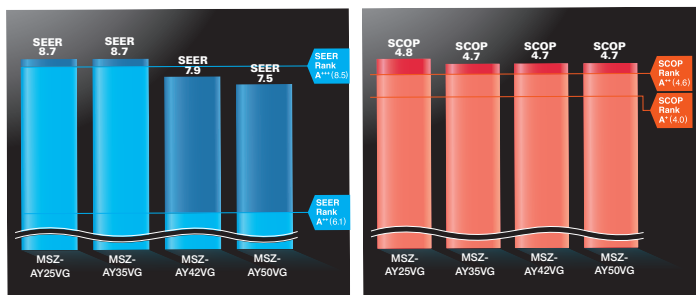
MSZ-AY25/35/42/50VGK(P)



High energy saving



The AY series has achieved either the "Rank A+++" or "Rank A++" for SEER and SCOP as energy-savings rating. The high-efficiency air conditioner is eco-friendly and economical.



Matt and Sophisticated Design



Rounded corners

The rounded corners give a soft impression that blends in with any room.

Simple and Compact size

While the plasma is built-in, the angle of the curve is carefully designed to maintain the compact unit.

The elegant and sophisticated design has been created to fit in any room, with careful attention to detail in the surface finish and panel angles.

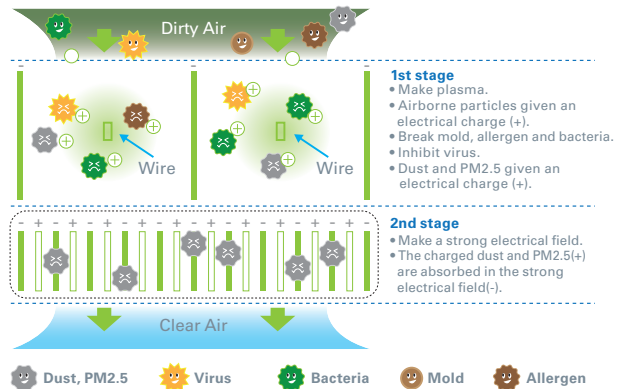


Plasma Quad Plus (only VGKP model)



You can enjoy the clean and safe air by Plasma Quad Plus.

Plasma Quad Plus is a plasma-based filtering system which contributes to a better air quality in your room. Plasma Quad Plus applies a voltage of approximately 6,000 volts to the electrode to generate plasma, effectively removing various kinds of airborne particles such as viruses, bacteria, mold, allergen, dust, and PM2.5.



We have confirmed Plasma Quad Plus inhibits 99% of adhered COVID-19.

*Tested Organization: National Hospital Organization Sendai Medical Center, Test Report No: R4-001 Test result: Neutralised 99% of influenza A virus in 210.5 minutes in a 25m³ test space.

*Tested Organization: Japan Textile Products Quality and Technology Center, Test Report No: 20KB070569, Tested Materials: SARS-CoV-2, Test Method: Original (The test was conducted on the Plasma Quad device alone, not designed to evaluate product performance.) Test Result: Inhibited 99.8% in 360 minutes. The result without the effect of natural attenuation is 96.3%.



V Blocking Filter (only VGK model)

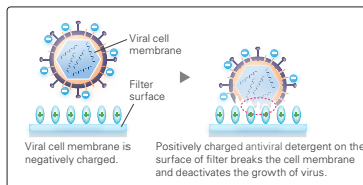
“V Blocking Filter” with antiviral effect inhibits 99% of adhered virus, and other harmful substances, such as bacteria, mold and allergen. Two-layered filter with non-woven fabric and electrostatic filter can effectively capture and remove small particles from the air in your room.

*Virus Test method: JIS L 1922, Tested Organization: Guangdong Detection Center of Microbiology, Test Report No: 2020FM30156R02D, Test result: 99% neutralized in 24 hours in a Testing Container.

Bacteria Test method: JIS L 1902, Tested Organization: Boken Quality Evaluation Institute, Test Report No: 29020006998-1, Test result: 99% neutralized in 18 hours in a Petri dish.

Mold Test method: JIS Z 2911, Tested Organization: Boken Quality Evaluation Institute, Test Report No: 29020006906-1, Test result: No mold growth was confirmed.

Allergen Test method: ELISA, Tested Organization: Daiwa Chemical Industries Co., Ltd, Test Report No: 2021B267, Test result: 96% neutralized in 24 hours.



Dual Barrier Coating

Mitsubishi Electric's Dual Barrier Coating prevents dust and greasy dirt from accumulating on the inner surface of the indoor unit, keeping your air conditioner clean. Hydrophilic material resists oil stains and hydrophobic material resists dust stains.

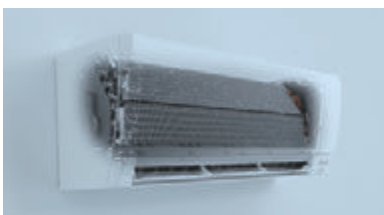
1 Heat Exchanger		2 Fan		3 Air Duct	
No Dual Barrier Coating used (Image after 10years)	Dual Barrier Coating used	No Dual Barrier Coating used (Image after 10years)	Dual Barrier Coating used	No Dual Barrier Coating used (Image after 10years)	Dual Barrier Coating used



Self Clean

When Self Clean Mode is activated, fan operation starts after cooling/dry mode. This operation helps to dry inside indoor unit to prevent molds and odors. You can feel the clean air without frequent cleaning by yourself.

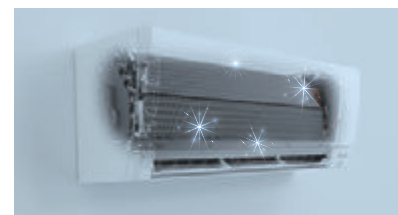
1 High humidity inside the unit, which can lead to mold growth and odors.



2 Airflow operation suppresses mycelial growth.



3 Maintains clean unit interior.



*When SELF CLEAN operation is set, it performs for 25 minutes when unit is stopped after COOL/DRY operation. SELF CLEAN operation performs when: COOL/DRY is operated more than 3 minutes. The fan is stopped for the first 3 minutes. Then, the horizontal vane is set to higher than angle 1 and the fan is operated for 25 minutes. To enable this function, press “Self Clean Mode” button on remote controller. (Default setting is OFF)



Quietness 18dB

Noiseless 18dB



Quiet, relaxing space is within reach. Operational noise is 18dB (25/35 classes), which is so quiet that you might even forget the air conditioner is on.

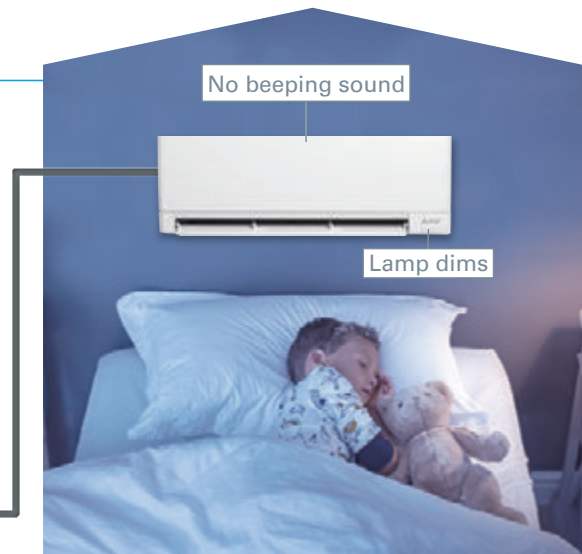


Night mode

When Night Mode is activated using the wireless remote controller, air conditioner operation will switch to the following settings.

- The brightness of the operation indicator lamp will become dimmer.
- The beeping sound will be disabled.
- The outdoor operating noise will be 3dB lower than the rated operating noise specification.

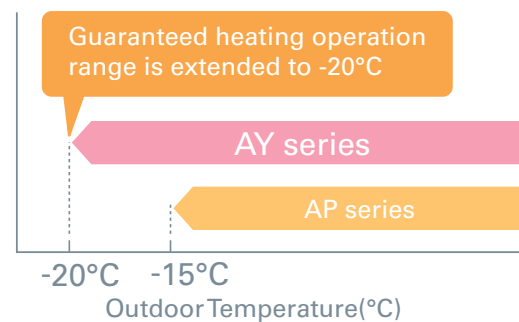
*The cooling/heating capacity may drop.



Wider Heating Operation Range

Mitsubishi Electric technology ensures that the unit will operate even when the outside temperature is down to -20°C.

Wider Heating Operation Range



Outdoor Units for Cold Region

Single split-type outdoor units are available in both standard and heater-equipped units. An electric heater is installed in each unit to prevent freezing in cold outdoor environments.

Standard Units

Heater Installed



MUZ-AY25/35/42VG



MUZ-AY50VG



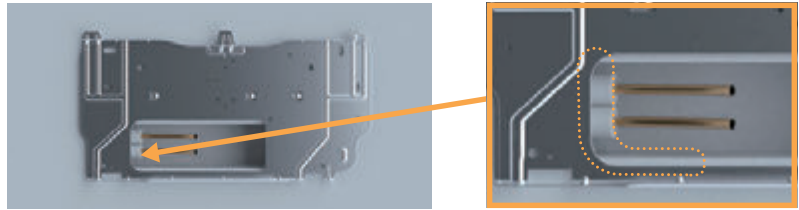
MUZ-AY25/35/42VGH



MUZ-AY50VGH

Back Plate with a Hole

With a hole as default in the center of the back plate, the piping can be easily taken out from the back. The edge of the hole is reinforced to ensure the strength.



The edge of the hole is reinforced to ensure the strength.

Spacer

A part of the packing material can be used as a spacer to lift indoor unit during the left-side piping work, which makes stable installation work possible.



Built-in Wi-Fi & App Control

Indoor unit is equipped with Wi-Fi interface which allows you to access MELCloud app, providing you with a flexible control of air conditioner on your smartphone, tablets, and PC.

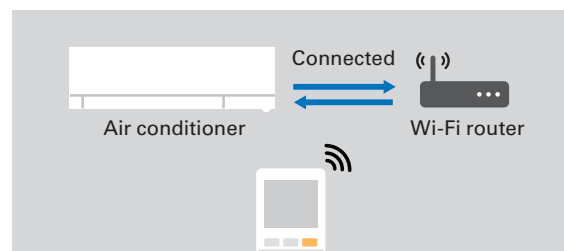
[key control and monitoring features]

- On/Off
- Check and set driving conditions
- Notification of weather conditions from current location
- Weekly timer set
- Energy consumption check
- Air purification on/off



Easy Wi-Fi Set Up

You can easily connect Wi-Fi adaptor in the indoor unit and your local router with just a simple operation of remote controller.



Remote Controller features

The remote controller screen is equipped with LED back-light. The luminous screen allows you to check the setting easily even in the dark. You can easily connect Wi-Fi adaptor in the indoor unit and your local router with just a simple operation of remote controller.



MSZ-AP SERIES

Introducing a compact and stylish indoor unit with various capacity, designed to match number of rooms. High performance indoor and outdoor units enabled to achieve "Rank A+++" for SEER. *MSZ-AP20VG



MSZ-AP15/20VG



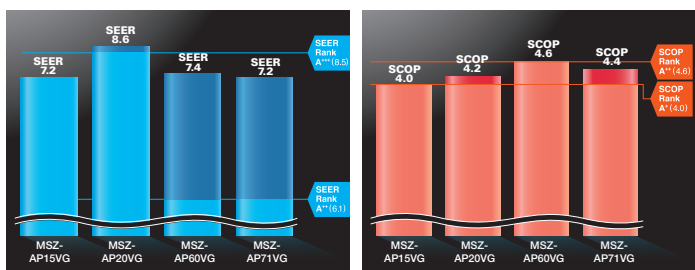
MSZ-AP60/71VG



High energy saving

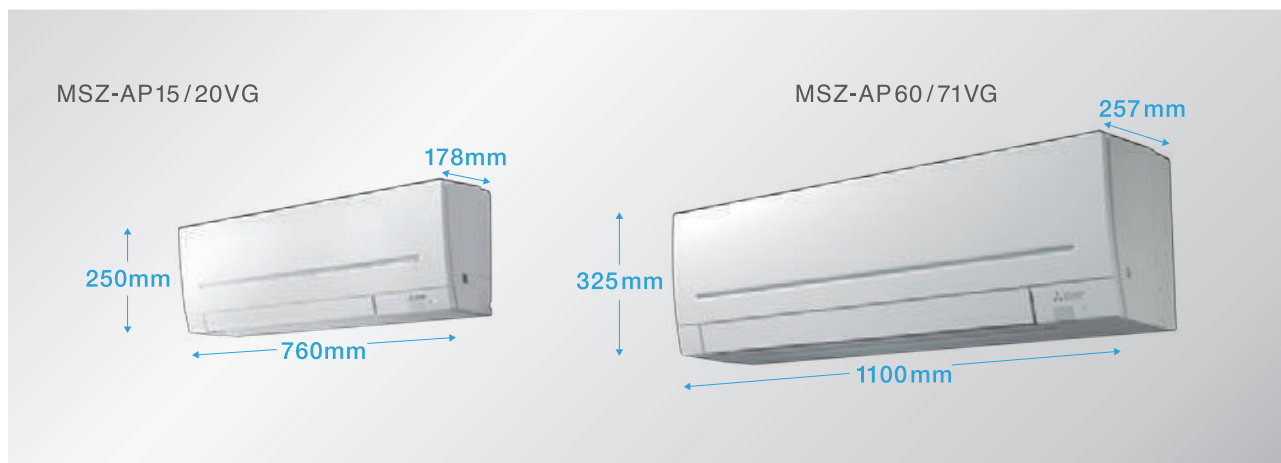


The classes from the low-capacity 25 to the high-capacity 60, have achieved either the "Rank A+++" or "Rank A++" for SEER and SCOP as energy-savings rating. Our air conditioners are contributing to reduce energy consumption in a wide range.



Compact and stylish

All the classes are introduced as single-split and multi-systems. From small rooms to living rooms, it is possible to coordinate residences with a unified design.



Living



Study

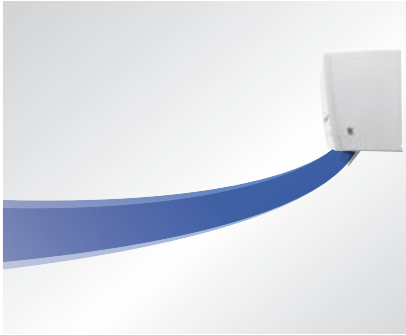


Bedroom



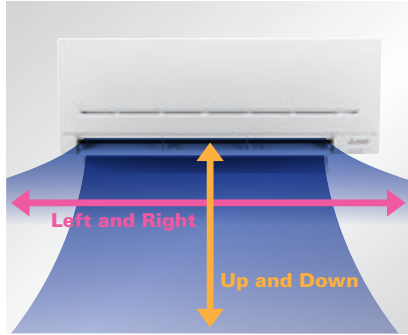
Evolved comfortable convenience function

Horizontal Airflow



The new airflow control which spreads across the ceiling eliminates the uncomfortable drafty feeling.

Auto Vane Control



Auto vanes can be moved left and right, and up and down using the remote controller.

The Function



“Weekly Timer”



Easily set desired temperatures and operation start/stop times to match lifestyle patterns. Reduce wasted energy consumption by using the timer to prevent forgetting to turn off the unit and eliminate temperature setting adjustments.

Example Operation Pattern (Winter/Heating mode)

	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.	Sun.
6:00	ON 20°C	ON 20°C	ON 20°C	ON 20°C	ON 20°C	ON 20°C	ON 20°C
8:00	Automatically changes to high-power operation at wake-up time						
10:00	OFF	OFF	OFF	OFF	OFF	ON 18°C	ON 18°C
12:00	Automatically turned off during work hours					Midday is warmer, so the temperature is set lower	
14:00							
16:00							
18:00	ON 20°C	ON 20°C	ON 20°C	ON 20°C	ON 20°C	ON 20°C	ON 20°C
20:00	Automatically turns on, synchronized with arrival at home					Automatically raises temperature setting to match time when outside-air temperature is low	
22:00							
(during sleeping hours)	ON 18°C	ON 18°C	ON 18°C	ON 18°C	ON 18°C	ON 18°C	ON 18°C
	Automatically lowers temperature at bedtime for energy-saving operation at night						

Settings

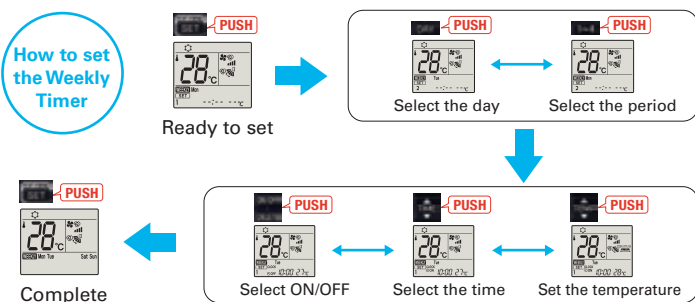
Pattern Settings: Input up to four settings for each day

Settings: •Start/Stop operation •Temperature setting *The operation mode cannot be set.

Easy set-up using dedicated buttons



The remote controller is equipped with buttons that are used exclusively for setting the Weekly Timer. Setting operation patterns is easy and quick.



- Start by pushing the “SET” button and follow the instructions to set the desired patterns. Once all of the desired patterns are input, point the top end of the remote controller at the indoor unit and push the “SET” button one more time. (Push the “SET” button only after inputting all of the desired patterns into the remote controller memory. Pushing the “CANCEL” button will end the set-up process without sending the operation patterns to the indoor unit).
- It takes a few seconds to transmit the Weekly Timer operation patterns to the indoor unit. Please continue to point the remote controller at the indoor unit until all data has been sent.
- When “Weekly Timer” is set, temperature can not be set 10°C. (only for 15/20 models)

Low Standby Power

Electrical devices consume standby power even when they are not in actual use. While we obviously strive to reduce power consumption during actual use, reducing this wasted power that cannot be seen is also very important.

without
“Low standby power”

around **10W**

with
“Low standby power”

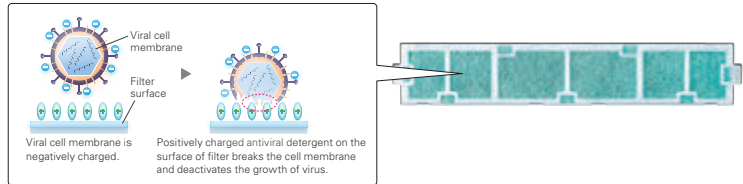
below
1W

around
90% reduction

V Blocking Filter

V Blocking Filter

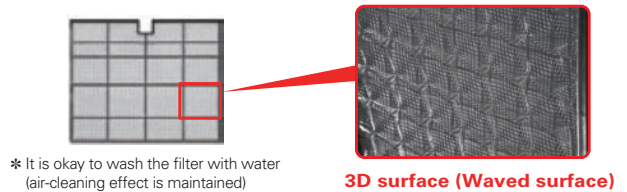
V Blocking Filter with antiviral effect inhibits 99% of adhered virus, and other harmful substances, such as bacteria, mold and allergen. Two-layered filter with non-woven fabric and electrostatic filter can effectively capture and remove small particles from the air in your room.



Air Purifying Filter

Air Purifying Filter

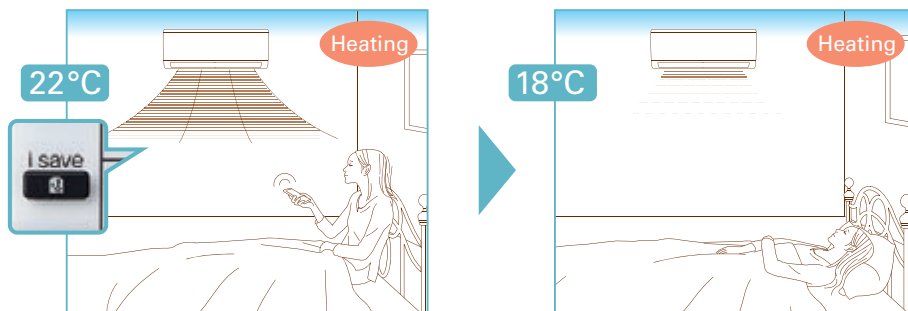
This filter generates stable antibacterial and deodorising effects. The size of the three-dimensional surface has been increased as well, enlarging the filter capture area. These features give the Air Purifying Filter better dust collection performance than conventional filters. The superior air-cleaning effectiveness raises room comfort yet another level.



“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 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.



* Temperature can be preset to 10°C when heating in the “i-save” mode.

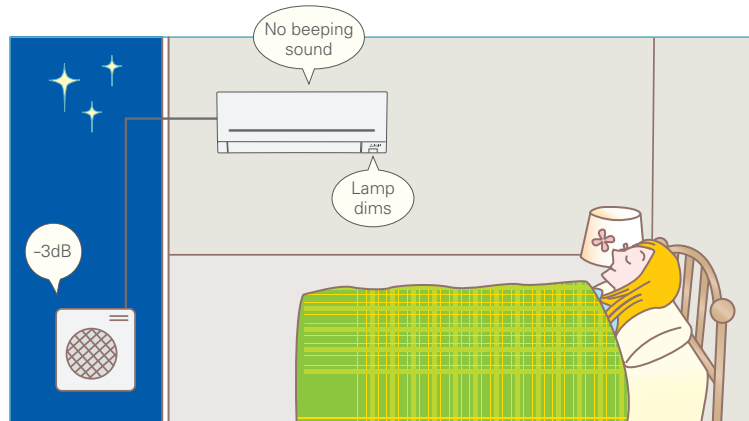
Night Mode



When Night Mode is activated using the wireless remote controller, air conditioner operation will switch to the following settings.

- The brightness of the operation indicator lamp will become dimmer.
- The beeping sound will be disabled.
- The outdoor operating noise will drop to 3dB lower than the rated operating noise specification.

*The cooling/heating capacity may drop.



Built-in Wi-Fi Interface

(MSZ-AP15/20/60/71VGK)



The indoor unit is equipped with a Wi-Fi Interface inside an exclusive pocket in the unit.

This eliminates the need to install a Wi-Fi interface, and also contributes to the beautiful appearance since the interface is hidden.

LED Backlight Remote Controller



Backlight function incorporated, making screen easy to read in the dark. Even in dimly lit rooms, the screen can be seen clearly for trouble-free remote controller operation.



MSZ-AY SERIES



Indoor Unit

R32 R410A



MSZ-AY25/35/42/50VGK(P)

Outdoor Unit

R32



MUZ-AY25/35/42VG(H)

MUZ-AY50VG(H)

Remote Controller



Type		Inverter Heat Pump									
Indoor Unit		MSZ-AY25VGK(P)	MSZ-AY25VGK(P)	MSZ-AY35VGK(P)	MSZ-AY35VGK(P)	MSZ-AY42VGK(P)	MSZ-AY42VGK(P)	MSZ-AY50VGK(P)	MSZ-AY50VGK(P)	MSZ-AY50VGK(P)	
Outdoor Unit		MUZ-AY25VG	MUZ-AY25VGH	MUZ-AY35VG	MUZ-AY35VGH	MUZ-AY42VG	MUZ-AY42VGH	MUZ-AY50VG	MUZ-AY50VGH	MUZ-AY50VGH	
Refrigerant		R32 ⁽¹⁾									
Power Supply	Source	Outdoor Power supply									
	Outdoor (V / Phase / Hz)	230/Single/50									
Cooling	Design load	kW	2.5	2.5	3.5	3.5	4.2	4.2	5.0	5.0	
	Annual electricity consumption ⁽²⁾	kWh/a	100	100	141	141	186	186	232	232	
	SEER ⁽⁴⁾		8.7	8.7	8.7	8.7	7.9	7.9	7.5	7.5	
	Capacity	Energy efficiency class		A+++	A+++	A+++	A+++	A++	A++	A++	A++
		Rated	kW	2.5	2.5	3.5	3.5	4.2	4.2	5.0	5.0
Heating (Average Season) ⁽³⁾	Declared Capacity	at reference design temperature	kW	2.4 (-10°C)	2.4 (-10°C)	2.9 (-10°C)	2.9 (-10°C)	3.8 (-10°C)	3.8 (-10°C)	4.2 (-10°C)	4.2 (-10°C)
		at bivalent temperature	kW	2.4 (-10°C)	2.4 (-10°C)	2.9 (-10°C)	2.9 (-10°C)	3.8 (-10°C)	3.8 (-10°C)	4.2 (-10°C)	4.2 (-10°C)
	at operation limit temperature	kW	1.9 (-20°C)	1.9 (-20°C)	2.0 (-20°C)	2.0 (-20°C)	2.7 (-20°C)	2.7 (-20°C)	3.0 (-20°C)	3.0 (-20°C)	
	Back up heating capacity	kW	0.0 (-10°C)	0.0 (-10°C)	0.0 (-10°C)	0.0 (-10°C)	0.0 (-10°C)	0.0 (-10°C)	0.0 (-10°C)	0.0 (-10°C)	
	Annual electricity consumption ⁽²⁾	kWh/a	697	709	863	880	1131	1146	1248	1265	
		SCOP ⁽⁴⁾		4.8	4.7	4.7	4.6	4.6	4.6	4.7	4.6
	Capacity	Energy efficiency class		A++	A++	A++	A++	A++	A++	A++	A++
		Rated	kW	3.2	3.2	4.0	4.0	5.2	5.2	5.5	5.5
	Total Input	Min	kW	1.0	1.0	1.3	1.3	1.3	1.3	1.4	1.4
		Max at 7°C	kW	4.1	4.1	4.6	4.6	6.0	6.0	7.3	7.3
Rated		kW	0.780	0.780	1.030	1.030	1.390	1.390	1.470	1.470	
Operating Current (Max)	A	7.6	7.6	7.6	7.6	9.9	9.9	13.8	13.8		
	Input	kW	0.026	0.026	0.026	0.026	0.032	0.032	0.032	0.032	
Indoor Unit	Operating Current (Max)		A	0.3	0.3	0.3	0.3	0.3	0.3	0.3	
	Dimensions		H*W*D	mm	299-798-245	299-798-245	299-798-245	299-798-245	299-798-245	299-798-245	299-798-245
	Weight		kg	27	27	28.5	28.5	34	34	40.5	
	Air Volume	Cooling	m ³ /min	3.6-5.0-6.3-7.8-10.5	3.6-5.0-6.3-7.8-10.5	3.6-5.0-6.3-7.8-11.1	3.6-5.0-6.3-7.8-11.1	4.5-5.7-7.0-8.4-10.5	4.5-5.7-7.0-8.4-10.5	5.2-6.4-7.5-9.1-11.7	5.2-6.4-7.5-9.1-11.7
		Heating	m ³ /min	4.0-5.0-6.6-8.0-11.8	4.0-5.0-6.6-8.0-11.8	4.0-5.0-6.6-8.0-11.8	4.0-5.0-6.6-8.0-11.8	4.4-5.4-7.0-8.6-12.9	4.4-5.4-7.0-8.6-12.9	4.8-5.7-7.3-9.1-12.9	4.8-5.7-7.3-9.1-12.9
	Sound Level (SPL) (SLo-Lo-Mid-Hi-SH) ⁽⁵⁾	Cooling	dB(A)	18-24-30-36-42	18-24-30-36-42	18-24-30-36-42	18-24-30-36-42	21-29-34-38-42	21-29-34-38-42	28-33-36-40-44	28-33-36-40-44
		Heating	dB(A)	18-24-34-39-45	18-24-34-39-45	18-24-31-38-45	18-24-31-38-45	21-29-35-40-45	21-29-35-40-45	28-33-38-43-48	28-33-38-43-48
	Sound Level (PWL)		Cooling	dB(A)	57	57	57	57	57	58	58
	Dimensions		H*W*D	mm	550-800-285	550-800-285	550-800-285	550-800-285	550-800-285	714-800-285	714-800-285
	Weight		kg	27	27	28.5	28.5	34	34	40.5	40.5
Outdoor Unit	Air Volume	Cooling	m ³ /min	32.2	32.2	32.2	32.2	32	32	40.5	40.5
		Heating	m ³ /min	29.8	29.8	29.8	29.8	28.1	28.1	37.4	37.4
	Sound Level (SPL)	Cooling	dB(A)	47	47	49	49	50	50	52	52
		Heating	dB(A)	48	48	50	50	51	51	52	52
	Sound Level (PWL)		Cooling	dB(A)	59	59	61	61	61	64	64
Operating Current (Max)		A	7.3	7.3	7.3	7.3	9.6	9.6	13.5	13.5	
Breaker Size		A	10	10	10	10	10	10	16	16	
Ext. Piping	Diameter		Liquid/Gas	mm	6.35 / 9.52	6.35 / 9.52	6.35 / 9.52	6.35 / 9.52	6.35 / 9.52	6.35 / 9.52	6.35 / 9.52
	Chargeless piping length		Out-In	m	7.5	7.5	7.5	7.5	7.5	7.5	7.5
	Max.Length		Out-In	m	20	20	20	20	20	20	20
	Max.Height		Out-In	m	12	12	12	12	12	12	12
Guaranteed Operating Range (Outdoor)	Cooling	°C	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46	
	Heating	°C	-20 ~ +24	-20 ~ +24	-20 ~ +24	-20 ~ +24	-20 ~ +24	-20 ~ +24	-20 ~ +24	-20 ~ +24	

(1) Refrigerant leakage contributes to climate change. Refrigerant with lower global warming potential (GWP) would contribute less to global warming than a refrigerant with higher GWP, if leaked to the atmosphere. This appliance contains a refrigerant fluid with a GWP equal to 550. This means that if 1 kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 550 times higher than 1 kg of CO₂ over a period of 100 years. Never try to interfere with the refrigerant circuit yourself or disassemble the product yourself and always ask a professional.

The GWP of R32 is 675 in the IPCC-4th Assessment Report.

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

(3) SHi: Super High

(4) SEER, SCOP and other related description are based on COMMISSION DELEGATED REGULATION (EU) No.626/2011. The temperature conditions for calculating SCOP are based on "Average Season".

(5) Please see page 57-58 for heating (warmer season) specifications.

MSZ-AP SERIES



Indoor Unit

R32 R410A

※VGK model Wi-Fi Interface built-in.



MSZ-AP15/20VG(K)



MSZ-AP60/71VG(K)

Outdoor Unit

R32



MUZ-AP15VG



MUZ-AP20VG



MUZ-AP60VG



MUZ-AP71VG

Remote Controller



Type	Inverter Heat Pump							
Indoor Unit	MSZ-AP15VG(K)	MSZ-AP20VG(K)	MSZ-AP60VG(K)	MSZ-AP71VG(K)				
Outdoor Unit	MUZ-AP15VG	MUZ-AP20VG	MUZ-AP60VG	MUZ-AP71VG				
Refrigerant	Single: R32 ⁽¹⁾ / Multi: R410A or R32 ⁽¹⁾		Single: R32 ⁽¹⁾ / Multi: R32 ⁽¹⁾					
Power Supply	Outdoor Power supply							
Source	230 / Single / 50							
Cooling	Design load	kW	1.5	2.0	6.1	7.1		
	Annual electricity consumption ⁽²⁾	kWh/a	72	81	288	345		
	SEER ⁽⁴⁾		7.2	8.6	7.4	7.2		
	Energy efficiency class		A++	A+++	A++	A++		
		Capacity	kW	1.5	2.0	6.1	7.1	
Heating (Average Season) ⁽⁵⁾	Design load	kW	1.6 (-10°C)	2.3 (-10°C)	4.6 (-10°C)	6.7 (-10°C)		
	Declared Capacity	at reference design temperature	kW	1.6 (-10°C)	2.3 (-10°C)	4.6 (-10°C)	6.7 (-10°C)	
		at operation limit temperature	kW	1.6 (-15°C)	2.2 (-15°C)	3.7 (-15°C)	5.4 (-15°C)	
	Back up heating capacity	kW	0.0 (-10°C)	0.0 (-10°C)	0.0 (-10°C)	0.0 (-10°C)		
	Annual electricity consumption ⁽²⁾	kWh/a	559	766	1398	2132		
Operating Current (Max)	Input	A	5.5	7.0	14.1	16.4		
	Operating Current (Max)	A	0.17	0.2	0.5	0.4		
	Dimensions	H*W*D	mm	250-760-178	250-760-178	325-1100-257	325-1100-257	
	Weight	kg	8.2	8.2	16.0	17.0		
	Indoor Unit	Air Volume (SLo-Lo-Mid-Hi-SHi ⁽³⁾)	Cooling	m ³ /min	3.5 - 3.9 - 4.6 - 5.5 - 6.4	3.5 - 3.9 - 4.6 - 5.5 - 6.9	9.4 - 11.0 - 13.2 - 16.0 - 18.9	9.6 - 11.5 - 13.2 - 15.3 - 18.6
Heating			m ³ /min	3.7 - 4.4 - 5.0 - 6.0 - 6.8	3.7 - 4.4 - 5.0 - 6.0 - 7.3	10.8 - 13.4 - 15.4 - 17.4 - 20.3	10.2 - 11.5 - 13.2 - 15.3 - 19.2	
Sound Level (SPL) (SLo-Lo-Mid-Hi-SHi ⁽³⁾)		Cooling	dB(A)	21 - 26 - 30 - 35 - 40	21 - 26 - 30 - 35 - 42	29 - 37 - 41 - 45 - 48	30 - 37 - 41 - 45 - 49	
		Heating	dB(A)	21 - 26 - 30 - 35 - 40	21 - 26 - 30 - 35 - 42	30 - 37 - 41 - 45 - 48	30 - 37 - 41 - 45 - 51	
Sound Level (PWL)		Cooling	dB(A)	59	60	65	65	
		Heating	dB(A)	59	60	65	65	
Dimensions		H*W*D	mm	538-699-249	550-800-285	714-800-285	880-840-330	
Weight		kg	23	31	40	55		
Outdoor Unit		Air Volume	Cooling	m ³ /min	26	32.2	52.1	54.1
			Heating	m ³ /min	21	29.8	52.1	47.9
	Sound Level (SPL)	Cooling	dB(A)	50	47	56	56	
		Heating	dB(A)	50	48	57	55	
	Sound Level (PWL)	Cooling	dB(A)	63	59	69	69	
Operating Current (Max)	A	5.3	6.8	13.6	16.0			
Ext. Piping	Breaker Size	A	10	10	16	20		
	Diameter	Liquid/Gas	mm	6.35 / 9.52	6.35 / 9.52	6.35 / 12.7	6.35 / 12.7	
	Max.Length	Out-In	m	20	20	30	30	
	Max.Height	Out-In	m	12	12	15	15	
Guaranteed Operating Range (Outdoor)	Cooling	°C	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46		
	Heating	°C	-15 ~ +24	-15 ~ +24	-15 ~ +24	-15 ~ +24		

(1) Refrigerant leakage contributes to climate change. Refrigerant with lower global warming potential (GWP) would contribute less to global warming than a refrigerant with higher GWP. This appliance contains a refrigerant fluid with a GWP equal to 550. This means that if 1 kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 550 times higher than 1 kg of CO₂ over a period of 100 years. Never try to interfere with the refrigerant circuit yourself or disassemble the product yourself and always ask a professional.

The GWP of R32 is 675 in the IPCC 4th Assessment Report.

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

(3) SHi: Super High

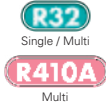
(4) SEER, SCOP and other related description are based on COMMISSION DELEGATED REGULATION (EU) No.626/2011. The temperature conditions for calculating SCOP are based on "Average Season".

(5) Please see page 57-59 for heating (warmer season) specifications.

MSZ-E SERIES

Developed to complement modern interior room décor, Kirigamine ZEN air conditioners are available in three colours specially chosen to blend in naturally wherever installed.

MSZ-EF18-50VGB



Stylish Line-up Matches Any Room Décor

The streamlined wall-mounted indoor units have eloquent silver-bevelled edges, expressing sophistication and quality. Combining impressively low power consumption and quiet yet powerful performance, these units provide a best-match scenario for diverse interior designs while simultaneously ensuring maximum room and energy savings.



Energy-efficient Operation



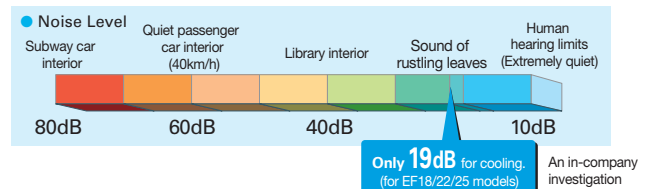
All models in the series have achieved high energy-savings rating, and are contributing to reduced energy consumption in homes, offices and a range of other settings. Offered in a variety of output capacities and installation patterns, the vast applicability promises an ideal match for any user.

Indoor \ Outdoor	Rank A for single connection MUZ-EF25/35VG(H) MUZ-EF42/50VG	Compatibility MXZ					
		2F33VF	2F42VF	2F53VF	3F54VF	3F68VF	4F72VF
MSZ-EF18VG	-	✓	✓	✓	✓	✓	✓
MSZ-EF22VG	-	✓	✓	✓	✓	✓	✓
MSZ-EF25VG	A+++ / A++(A+++)	✓	✓	✓	✓	✓	✓
MSZ-EF35VG	A+++ / A++(A+++)		✓	✓	✓	✓	✓
MSZ-EF42VG	A++ / A+			✓	✓	✓	✓
MSZ-EF50VG	A++ / A+			✓	✓	✓	✓

*VEH

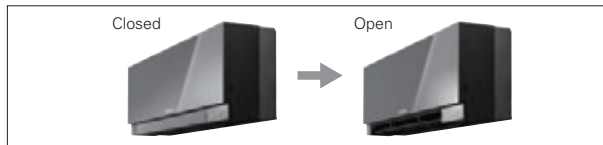
Quiet Comfort All Day Long

Mitsubishi Electric's advanced "Silent Mode" fan speed setting provides super-quiet operation as low as 19dB for EF18/22/25 models for cooling. This unique feature makes the Kirigamine ZEN series ideal for use in any situation.



Superior Exterior and Operating Design Concept

The indoor unit of the Kirigamine ZEN keeps its amazingly thin form even during operation. The only physical change notable is the movement of the variable vent. As a result, a slim attractive look is maintained.

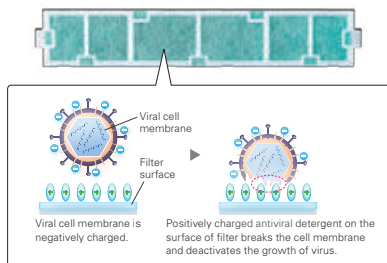


V Blocking Filter



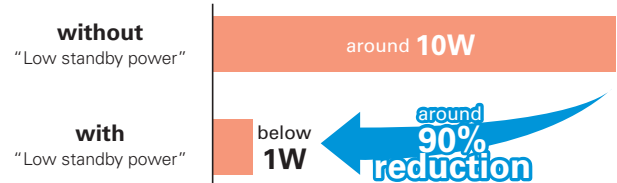
V Blocking Filter with antiviral effect inhibits 99% of adhered virus, and other harmful substances, such as bacteria, mold and allergen.

Two-layered filter with non-woven fabric and electrostatic filter can effectively capture and remove small particles from the air in your room.



Low Standby Power

Electrical devices consume standby power even when they are not in actual use. While we obviously strive to reduce power consumption during actual use, reducing this wasted power that cannot be seen is also very important.



Outdoor Units for Cold Region

(25/35)

Single split-type outdoor units are available in both standard and heater-equipped units. An electric heater is installed in each unit to prevent freezing in cold outdoor environments.

Standard Units

Heater Installed



MUZ-EF25/35VG



MUZ-EF25/35VGH

MSZ-E SERIES



Indoor Unit / Remote Controller

R32 R410A



White

MSZ-EF18/22/25/35/42/50VG(K)W



Silver

MSZ-EF18/22/25/35/42/50VG(K)S



Black

MSZ-EF18/22/25/35/42/50VG(K)B*

* Soft-dry Cloth is enclosed with Black models.
* VGK model Wi-Fi interface built-in

GOOD DESIGN
AWARD 2015



reddot award 2015
winner

Outdoor Unit

R32



MUZ-EF25/35VG(H),42VG



MUZ-EF50VG



Type	Inverter Heat Pump									
Indoor Unit	MSZ-EF18VG(K)	MSZ-EF22VG(K)	MSZ-EF25VG(K)	MSZ-EF25VG(K)	MSZ-EF35VG(K)	MSZ-EF35VG(K)	MSZ-EF42VG(K)	MSZ-EF50VG(K)	MSZ-EF50VG(K)	
Outdoor Unit	for MXZ connection		MUZ-EF25VG	MUZ-EF25VGH	MUZ-EF35VG	MUZ-EF35VGH	MUZ-EF42VG	MUZ-EF50VG	MUZ-EF50VG	
Refrigerant	R32 ⁽¹⁾									
Power Supply	Outdoor Power supply									
Source	230/Single/50									
Outdoor (V / Phase / Hz)										
Cooling	Design load	kW		2.5	2.5	3.5	3.5	4.2	5.0	
	Annual electricity consumption ⁽²⁾	kWh/a		96	96	139	139	186	233	
	SEER ⁽⁴⁾			9.1	9.1	8.8	8.8	7.9	7.5	
	Energy efficiency class			A+++	A+++	A+++	A+++	A++	A++	
		Capacity	kW		2.5	2.5	3.5	3.5	4.2	5.0
Total Input	Rated	kW		0.9-3.4	0.9-3.4	1.1-4.0	1.1-4.0	0.9-4.6	1.4-5.4	
	Min-Max	kW		0.540	0.540	0.910	0.910	1.200	1.540	
Heating (Average Season) ⁽³⁾	Design load	kW		2.4 (-10°C)	2.4 (-10°C)	2.9 (-10°C)	2.9 (-10°C)	3.8 (-10°C)	4.2 (-10°C)	
	Declared Capacity	at reference design temperature		kW		2.4 (-10°C)	2.4 (-10°C)	2.9 (-10°C)	2.9 (-10°C)	3.8 (-10°C)
		at bivalent temperature		kW		2.4 (-10°C)	2.4 (-10°C)	2.9 (-10°C)	2.9 (-10°C)	3.8 (-10°C)
		at operation limit temperature		kW		2.0 (-15°C)	1.6 (-20°C)	2.4 (-15°C)	1.7 (-20°C)	3.4 (-15°C)
	Back up heating capacity	kW		0.0 (-10°C)	0.0 (-10°C)	0.0 (-10°C)	0.0 (-10°C)	0.0 (-10°C)	0.0 (-10°C)	
	Annual electricity consumption ⁽²⁾	kWh/a		713	727	882	900	1151	1304	
	SCOP ⁽⁴⁾			4.7	4.6	4.6	4.5	4.6	4.5	
	Energy efficiency class			A++	A++	A++	A+	A++	A+	
		Capacity	kW		3.2	3.2	4.0	4.0	5.4	5.8
	Total Input	Rated	kW		1.0-4.2	1.0-4.2	1.3-5.1	1.3-5.1	1.3-6.3	1.4-7.5
Min-Max		kW		0.700	0.700	0.950	0.950	1.455	1.560	
Operating Current (Max)	Rated	A		7.1	7.1	7.1	7.1	10.0	14	
	Input	kW		0.026	0.026	0.026	0.030	0.033	0.043	
Indoor Unit	Operating Current (Max)	A		0.3	0.3	0.3	0.3	0.3	0.4	
	Dimensions	H*W*D		299-885-195	299-885-195	299-885-195	299-885-195	299-885-195	299-885-195	
	Weight	kg		11.5	11.5	11.5	11.5	11.5	11.5	
	Air Volume	Cooling	m ³ /min		4.0-4.6-6.3-8.3-10.5	4.0-4.6-6.3-8.3-10.5	4.0-4.6-6.3-8.3-10.5	4.0-4.6-6.3-8.3-10.5	5.8-6.6-7.7-8.9-11.2	5.8-6.6-7.7-8.9-11.2
		Heating	m ³ /min		4.0-4.6-6.2-8.9-11.9	4.0-4.6-6.2-8.9-11.9	4.0-4.6-6.2-8.9-11.9	4.0-4.6-6.2-8.9-12.7	5.5-6.3-7.8-9.9-13.2	6.4-7.2-9.0-11.1-14.6
	Sound Level (SPL) (SLo-Lo-Mid-Hi-SH) ⁽⁵⁾	Cooling	dB(A)		19-23-29-36-42	19-23-29-36-42	19-23-29-36-42	21-24-30-36-42	28-31-35-39-43	30-33-36-40-43
		Heating	dB(A)		21-24-29-37-45	21-24-29-37-45	21-24-29-37-45	21-24-30-38-46	28-30-35-41-48	30-33-37-43-49
	Sound Level (PWL)	Cooling	dB(A)		60	60	60	60	60	60
		Heating	dB(A)		60	60	60	60	60	60
	Outdoor Unit	Dimensions	H*W*D		-	550-800-285	550-800-285	550-800-285	550-800-285	714-800-285
Weight		kg		-	31	31	34	35	40	
Air Volume		Cooling	m ³ /min		-	27.8	27.8	34.3	32.0	40.2
		Heating	m ³ /min		-	29.8	29.8	32.7	32.7	40.2
Sound Level (SPL)		Cooling	dB(A)		-	47	47	49	50	52
		Heating	dB(A)		-	48	48	50	51	52
Sound Level (PWL)		Cooling	dB(A)		-	58	58	62	62	65
		Heating	dB(A)		-	58	58	62	62	65
Operating Current (Max)		A		6.8	6.8	6.8	6.8	9.6	13.6	
Breaker Size		A		10	10	10	10	12	16	
Ext. Piping	Diameter	Liquid/Gas		6.35 / 9.52	6.35 / 9.52	6.35 / 9.52	6.35 / 9.52	6.35 / 9.52	6.35 / 9.52	
	Max.Length	m		-	20	20	20	20	30	
	Max.Height	m		-	12	12	12	12	15	
Guaranteed Operating Range (Outdoor)	Cooling	°C		-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46	
	Heating	°C		-15 ~ +24	-20 ~ +24	-15 ~ +24	-20 ~ +24	-15 ~ +24	-15 ~ +24	

(1) Refrigerant leakage contributes to climate change. Refrigerant with lower global warming potential (GWP) would contribute less to global warming than a refrigerant with higher GWP, if leaked to the atmosphere. This appliance contains a refrigerant fluid with a GWP equal to 550. This means that if 1 kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 550 times higher than 1 kg of CO₂ over a period of 100 years. Never try to interfere with the refrigerant circuit yourself or disassemble the product yourself and always ask a professional.

The GWP of R32 is 675 in the IPCC 4th Assessment Report.

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

(3) SHi: Super High

(4) SEER, SCOP and other related description are based on COMMISSION DELEGATED REGULATION (EU) No.626/2011. The temperature conditions for calculating SCOP are based on "Average Season".

(5) Please see page 57-58 for heating (warmer season) specifications.

MSZ-HR SERIES

Compact, high-performance indoor and outdoor units with R32 that is low global warming potential compared with the current refrigerant R410A contribute to room comfort and to prevent global warming.

R32

MSZ-HR25/35/42/50VF(K)

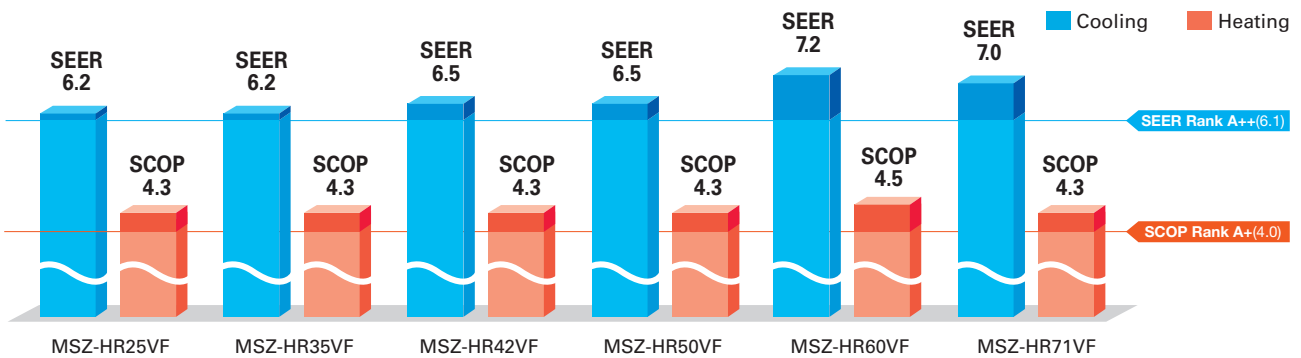


MSZ-HR60/71VF(K)

“Rank A++/A+” Energy Savings Achieved for Entire Range of Series

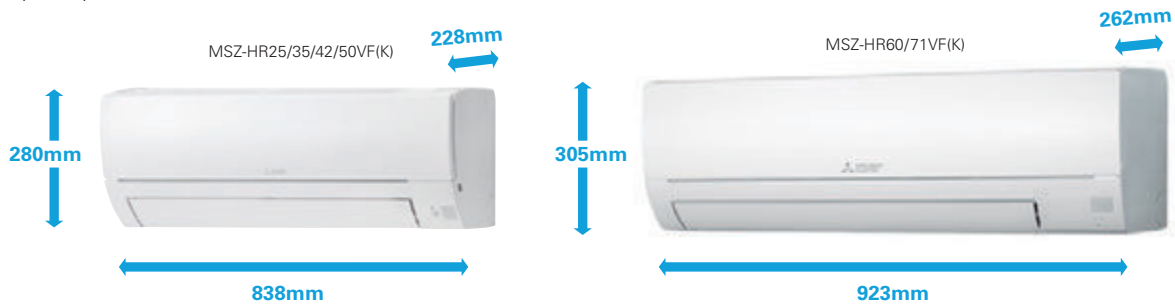


All models in the series, from capacity 25 to 71, have achieved the “Rank A++” for SEER and “Rank A+” for SCOP as energy-savings rating, thanks to Mitsubishi Electric’s inverter technologies which are adopted to provide automatic adjustment of operation load according to need.



Simple and Friendly Design

The round front surface provides a simple and friendly impression. And the width of indoor unit is compact, making installation in smaller, tighter spaces possible.



Wi-Fi and System Control

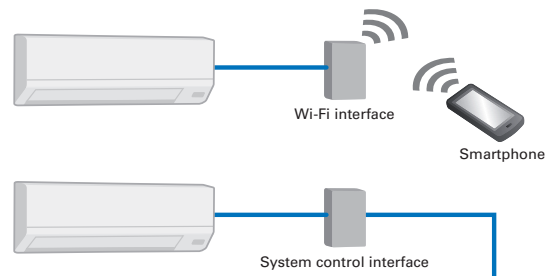
Wi-Fi Interface (Built-in) *Only VFK model

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

System Control Interface (Optional)

- Remote on/off operation is possible by input to the connector.
- Depending on the interface used, connecting a wired remote-control such as the PAR-41MAA is possible.
- Centralised control is possible when connected to M-NET.

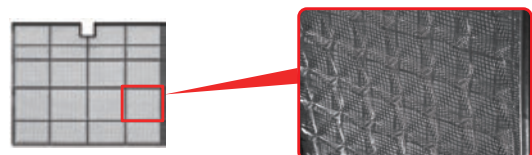
*Wi-Fi Interface and System Control Interface cannot be used simultaneously.



Air Purifying Filter



This filter generates 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 Air Purifying Filter better dust collection performance than conventional filters. The superior air-cleaning effectiveness raises room comfort yet another level.



* It is okay to wash the filter with water (air-cleaning effect is maintained)

3D surface (Waved surface)

MSZ-HR SERIES



Indoor Unit



MSZ-HR25/35/42/50VF(K)



MSZ-HR60/71VF(K)

Outdoor Unit



MUZ-HR25VF



MUZ-HR35VF

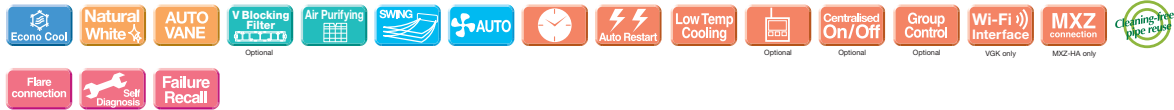


MUZ-HR42/50VF



MUZ-HR60/71VF

Remote Controller



Type	Inverter Heat Pump								
Indoor Unit	MSZ-HR25VF(K)	MSZ-HR35VF(K)	MSZ-HR42VF(K)	MSZ-HR50VF(K)	MSZ-HR60VF(K)	MSZ-HR71VF(K)			
Outdoor Unit	MUZ-HR25VF	MUZ-HR35VF	MUZ-HR42VF	MUZ-HR50VF	MUZ-HR60VF	MUZ-HR71VF			
Refrigerant	R32 ⁽¹⁾								
Power Supply	Outdoor Power supply 230V/Single/50Hz								
Cooling	Design load	kW	2.5	3.4	4.2	5.0	6.1	7.1	
	Annual electricity consumption ⁽²⁾	kWh/a	141	191	226	269	296	355	
	SEER ⁽⁴⁾		6.2	6.2	6.5	6.5	7.2	7.0	
	Capacity	Energy efficiency class		A++	A++	A++	A++	A++	A++
		Rated	kW	2.5	3.4	4.2	5.0	6.1	7.1
Heating (Average Season) ⁽³⁾	Declared Capacity	at reference design temperature	kW	1.9 (-10°C)	2.4 (-10°C)	2.9 (-10°C)	3.8 (-10°C)	4.6 (-10°C)	5.4 (-10°C)
		at bivalent temperature	kW	1.9 (-10°C)	2.4 (-10°C)	2.9 (-10°C)	3.8 (-10°C)	4.6 (-10°C)	5.4 (-10°C)
	at operation limit temperature	kW	1.9 (-10°C)	2.4 (-10°C)	2.9 (-10°C)	3.8 (-10°C)	4.6 (-10°C)	5.4 (-10°C)	
	Back up heating capacity	kW	0.0 (-10°C)	0.0 (-10°C)	0.0 (-10°C)	0.0 (-10°C)	0.0 (-10°C)	0.0 (-10°C)	
	Annual electricity consumption ⁽²⁾	kWh/a	614	781	928	1224	1430	1755	
Operating Current (Max)	Capacity	Energy efficiency class		A+	A+	A+	A+	A+	
		Rated	kW	3.15	3.6	4.7	5.4	6.8	8.1
	Min-Max	kW	0.7-3.5	0.9-3.7	0.9-5.4	1.4-6.5	1.5-8.5	1.5-9.0	
	Total Input	kW	0.850	0.975	1.300	1.550	1.810	2.440	
	Input	A	5.0	6.7	8.5	10.0	14.1	14.1	
Indoor Unit	Operating Current (Max)	Rated	kW	0.020	0.028	0.032	0.039	0.055	0.055
		A	0.2	0.27	0.3	0.36	0.5	0.5	
	Dimensions	H*W*D	mm	280-838-228	280-838-228	280-838-228	280-838-228	305-923-262	305-923-262
	Weight	kg	8.5	8.5	9	9	12.5	12.5	
	Air Volume (Lo-Mid-Hi-SH) ⁽³⁾	Cooling	m ³ /min	3.6 - 5.4 - 7.2 - 9.7	3.6 - 5.6 - 7.8 - 11.7	6.0 - 8.7 - 10.8 - 13.1	6.4 - 9.2 - 11.2 - 13.1	10.4 - 12.6 - 15.4 - 19.6	10.4 - 12.6 - 15.4 - 19.6
		Heating	m ³ /min	3.3 - 5.4 - 7.4 - 10.1	3.3 - 5.4 - 7.4 - 10.5	5.6 - 7.9 - 10.8 - 13.4	6.1 - 8.3 - 11.2 - 14.5	10.7 - 13.1 - 16.7 - 19.6	10.7 - 13.1 - 16.7 - 19.6
	Sound Level (SPL) (Lo-Mid-Hi-SH) ⁽³⁾	Cooling	dB(A)	21 - 30 - 37 - 43	22 - 31 - 38 - 46	24 - 34 - 39 - 45	28 - 36 - 40 - 45	33 - 38 - 44 - 50	33 - 38 - 44 - 50
		Heating	dB(A)	21 - 30 - 37 - 43	21 - 30 - 37 - 44	24 - 32 - 40 - 46	27 - 34 - 41 - 47	33 - 38 - 44 - 50	33 - 38 - 44 - 50
	Sound Level (PWL)	Cooling	dB(A)	57	60	60	60	65	65
		Heating	dB(A)	57	60	60	60	65	65
Outdoor Unit	Dimensions	H*W*D	mm	538-699-249	538-699-249	560-800-285	550-800-285	714-800-285	714-800-285
		Weight	kg	23	22	32.5	34	40	40
	Air Volume	Cooling	m ³ /min	30.3	32.2	30.4	30.4	42.8	42.8
		Heating	m ³ /min	30.3	32.2	32.7	32.7	48.3	48.3
	Sound Level (SPL)	Cooling	dB(A)	50	51	50	50	53	53
		Heating	dB(A)	50	51	51	51	57	57
	Sound Level (PWL)	Cooling	dB(A)	63	64	64	64	65	66
		Heating	dB(A)	63	64	64	64	65	66
	Operating Current (Max)	A	4.8	6.4	8.2	9.6	13.6	13.6	
	Breaker Size	A	10	10	10	12	16	16	
Ext. Piping	Diameter	Liquid/Gas	mm	6.35 / 9.52	6.35 / 9.52	6.35 / 9.52	6.35 / 9.52	6.35 / 12.7	6.35 / 12.7
	Max.Length	Out-In	m	20	20	20	20	30	30
	Max.Height	Out-In	m	12	12	12	12	15	15
Guaranteed Operating Range (Outdoor)	Cooling	°C	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46	
	Heating	°C	-10 ~ +24	-10 ~ +24	-10 ~ +24	-10 ~ +24	-10 ~ +24	-10 ~ +24	

⁽¹⁾ Refrigerant leakage contributes to climate change. Refrigerant with lower global warming potential (GWP) would contribute less to global warming than a refrigerant with higher GWP, if leaked to the atmosphere. This appliance contains a refrigerant fluid with a GWP equal to 550. This means that if 1 kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 550 times higher than 1 kg of CO₂ over a period of 100 years. Never try to interfere with the refrigerant circuit yourself or disassemble the product yourself and always ask a professional.

The GWP of R32 is 675 in the IPCC 4th Assessment Report.

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

⁽³⁾ SHi: Super High

⁽⁴⁾ SEER, SCOP and other related description are based on COMMISSION DELEGATED REGULATION (EU) No.626/2011. The temperature conditions for calculating SCOP are based on "Average Season".

⁽⁵⁾ Please see page 57-59 for heating (warmer season) specifications.

MSY-TP SERIES

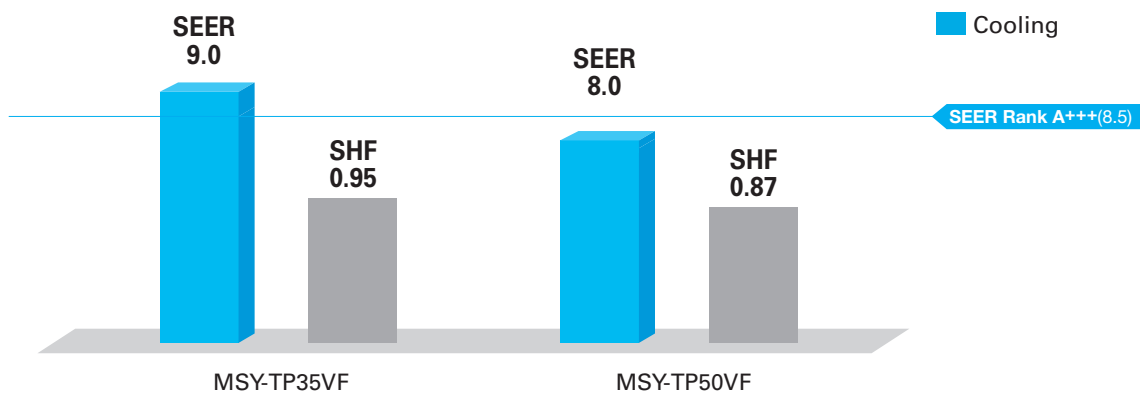
R32

MSY-TP35/50VF



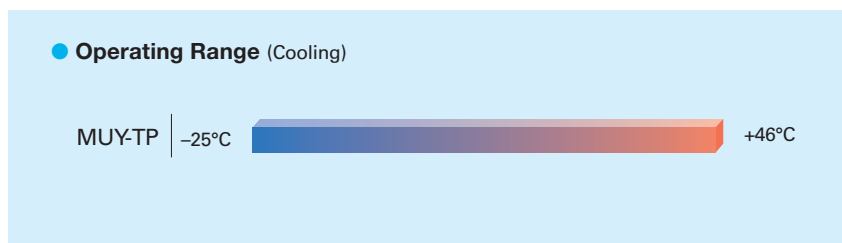
Cooling only model with high-performance provides high SHF in various environments thanks to wide operation range.

High Energy-Saving Performance with High SHF



Wide Cooling Operating Range

As a result of an extended operating range in cooling, these models accommodate a wide range of usage environments and applications.



MSY-TP SERIES



Indoor Unit

R32



MSY-TP35/50VF

Outdoor Unit

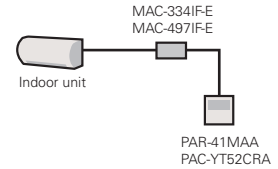
R32



MUY-TP35/TP50VF

Remote Controller

- Wired remote controller can be connected to indoor unit.



Type		Inverter Heat Pump			
Indoor Unit		MSY-TP35VF		MSY-TP50VF	
Outdoor Unit		MUY-TP35VF		MUY-TP50VF	
Refrigerant		R32 ⁽¹⁾			
Power Supply		Indoor Power supply			
Source		230V / Single / 50Hz			
Outdoor (V / Phase / Hz)					
Cooling	Design load	kW	3.5	5.0	
	Annual electricity consumption ⁽²⁾	kWh/a	136	218	
	SEER ⁽⁴⁾		9.0	8.0	
	Capacity	Energy efficiency class		A+++	A++
			Rated	kW	3.5
	Total Input	Rated	kW	1.5 - 4.0	1.5 - 5.7
kW			0.760	1.450	
Heating (Average Season) ⁽³⁾	Design load	kW	-	-	
	Declared Capacity	at reference design temperature	kW	-	-
		at bivalent temperature	kW	-	-
		at operation limit temperature	kW	-	-
	Back up heating capacity	kW	-	-	
	Annual electricity consumption ⁽²⁾	kWh/a	-	-	
	SCOP ⁽⁴⁾		-	-	
	Capacity	Energy efficiency class		-	-
Rated			kW	-	-
Total Input	Rated	kW	-	-	
		kW	-	-	
Operating Current (Max)		A	9.6	9.6	
Indoor Unit	Input	Rated	kW	0.033	0.034
			A	0.4	0.4
	Dimensions		H*W*D	305-923-250	305-923-250
	Weight		kg	12.5	12.5
	Air Volume (Lo-Mid-Hi-SH) ⁽³⁾	Cooling	m ³ /min	10.1 - 11.6 - 13.7 - 16.4	10.1 - 11.6 - 13.7 - 16.4
			Heating	m ³ /min	-
	Sound Level (SPL) (Lo-Mid-Hi-SH) ⁽³⁾	Cooling	dB(A)	31 - 36 - 40 - 45	31 - 36 - 40 - 45
			Heating	dB(A)	-
	Sound Level (PWL)	Cooling	dB(A)	60	60
			Heating	dB(A)	10
	Breaker Size		A	10	10
	Outdoor Unit	Dimensions		H*W*D	550-800-285
Weight		kg	34	34	
Air Volume		Cooling	m ³ /min	29.3	29.3
			Heating	m ³ /min	-
Sound Level (SPL)		Cooling	dB(A)	45	47
			Heating	dB(A)	-
Sound Level (PWL)	Cooling	dB(A)	58	61	
		Heating	dB(A)	9.2	9.2
Operating Current (Max)		A	9.2	9.2	
Ext. Piping	Diameter	Liquid/Gas	mm	6.35/9.52	6.35/9.52
	Max.Length	Out-In	m	20	20
	Max.Height	Out-In	m	12	12
Guaranteed Operating Range (Outdoor)		Cooling	°C	-25 - +46	-25 - +46
		Heating	°C	-	-

(1) Refrigerant leakage contributes to climate change. Refrigerant with lower global warming potential (GWP) would contribute less to global warming than a refrigerant with higher GWP, if leaked to the atmosphere. This appliance contains a refrigerant fluid with a GWP equal to 550. This means that if 1 kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 550 times higher than 1 kg of CO₂ over a period of 100 years. Never try to interfere with the refrigerant circuit yourself or disassemble the product yourself and always ask a professional.
The GWP of R32 is 675 in the IPCC 4th Assessment Report.

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

(3) SHi: Super High

(4) SEER and other related description are based on COMMISSION DELEGATED REGULATION (EU) No.626/2011.

MFZ SERIES

High Capacity, Energy Savings and a Design in Harmony with Living Spaces
Raise the Value of Your Room to the Next Level.

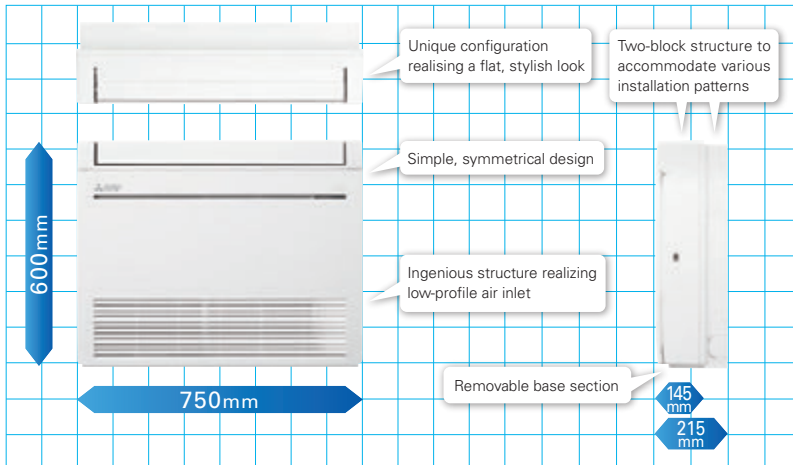
MFZ-KT25/35/50/60VG

R32

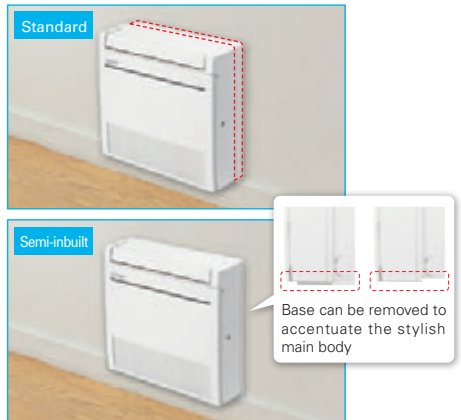


Simple, Flat Design

Uneven surfaces have been smoothed to provide a simple design with linear beauty, harmonised with all types of interiors.



Images of installed unit



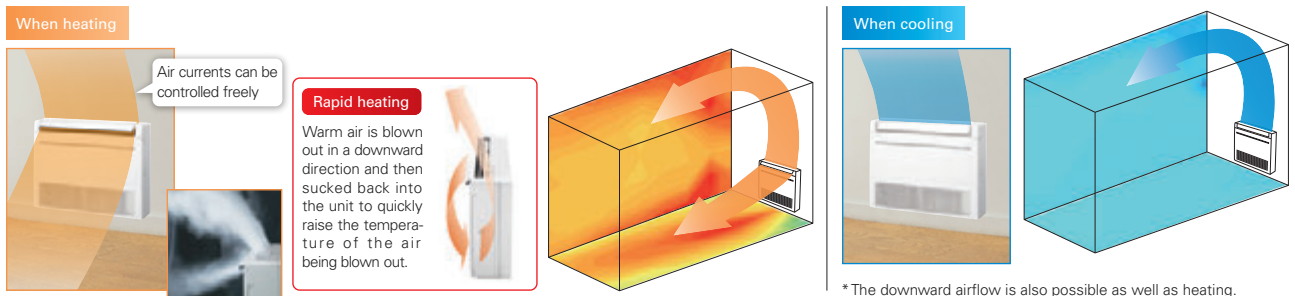
New Line-up

New models have been introduced to expand the line-up. The diverse selection enables the best solution for both customers and locations.

Capacity	2.5kW	3.5kW	5.0kW	6.0kW
MFZ-KJ	✓	✓	✓	
MFZ-KT	✓	✓	✓	✓

Multi-flow Vane

Three uniquely shaped vanes control the airflow and allow the freedom to customize comfort according to preferences.



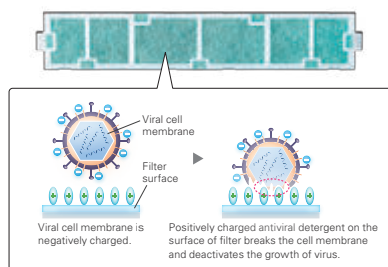
Weekly Timer (Introduced in response to market demand)

Temperature settings and On/Off control can be managed over a period of one week using the Weekly Timer. Up to eight setting patterns per calendar day are possible.

V Blocking Filter



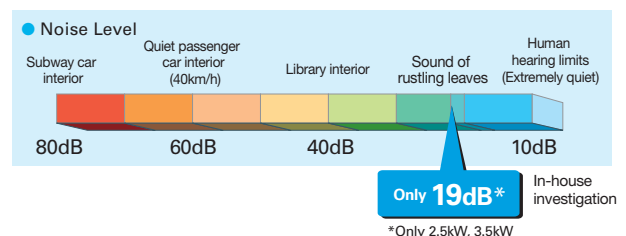
V Blocking Filter with antiviral effect inhibits 99% of adhered virus, and other harmful substances, such as bacteria, mold and allergen. Two-layered filter with non-woven fabric and electrostatic filter can effectively capture and remove small particles from the air in your room.



Quiet Operation

The indoor unit noise level is as low as 19dB for MFZ Series, offering a peaceful inside environment.

*Single connection only.



MFZ-KT SERIES



Indoor Unit

R32



MFZ-KT25/35/50/60VG

Outdoor Unit

R32



SUZ-M25/35VA



SUZ-M50VA



SUZ-M60VA

Remote Controller



Enclosed in MFZ-KT



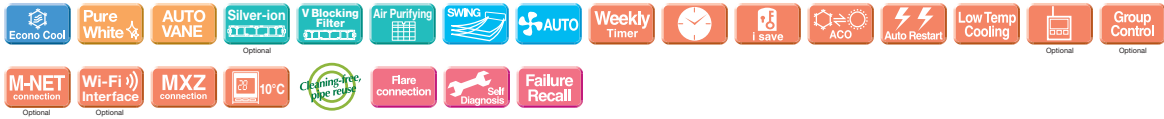
*optional



*optional



*optional



Type		Inverter Heat Pump					
Indoor Unit		MFZ-KT25VG	MFZ-KT35VG	MFZ-KT50VG	MFZ-KT60VG		
Outdoor Unit		SUZ-M25VA	SUZ-M35VA	SUZ-M50VA	SUZ-M60VA		
Refrigerant		R32 ^(*)	R32 ^(*)	R32 ^(*)	R32 ^(*)		
Power Supply		Outdoor power supply 230 / Single / 50					
Cooling	Design load	kW	2.5	3.5	5.0	6.1	
	Annual electricity consumption ⁽²⁾	kWh/a	134	185	257	343	
	SEER ^{(4), (5)}		6.5	6.6	6.8	6.2	
	Capacity	Energy efficiency class		A ⁺⁺	A ⁺⁺	A ⁺⁺	A ⁺⁺
		Rated	kW	2.5	3.5	5.0	6.1
	Total Input	Rated	kW	1.6 - 3.2	0.9 - 3.9	1.2 - 5.6	1.7 - 6.3
Heating (Average Season)	Design load	kW	2.2	2.6	4.3	4.6	
	Declared Capacity	at reference design temperature	kW	2.0 (-10°C)	2.3 (-10°C)	3.5 (-10°C)	4.1 (-10°C)
		at bivalent temperature	kW	2.0 (-7°C)	2.3 (-7°C)	3.9 (-7°C)	4.1 (-7°C)
		at operation limit temperature	kW	2.0 (-10°C)	2.3 (-10°C)	3.5 (-10°C)	4.1 (-10°C)
	Back up heating capacity	kW	0.2	0.3	0.8	0.5	
	Annual electricity consumption ⁽²⁾	kWh/a	732	825	1423	1568	
SEER ^{(4), (5)}		4.2	4.4	4.2	4.1		
Capacity	Energy efficiency class		A ⁺	A ⁺	A ⁺	A ⁺	
	Rated	kW	3.4	4.3	6.0	7.0	
Total Input	Rated	kW	1.3 - 4.2	1.1 - 5.0	1.5 - 7.2	1.6 - 8.0	
Operating Current (Max)	Input	Rated	kW	0.020 / 0.024	0.020 / 0.024	0.037 / 0.052	0.063 / 0.059
	Operating Current(Max)	A	70	8.7	14.0	15.4	
	Dimensions	H*W*D	mm	600-750-215	600-750-215	600-750-215	600-750-215
Indoor Unit	Weight	kg	14.5	14.5	14.5	15.0	
	Air Volume (SLO-Lo-Mid-Hi-SHI ⁽³⁾)	Cooling	m ³ /min	3.9 - 4.8 - 6.5 - 7.8 - 8.9	3.9 - 4.8 - 6.5 - 7.8 - 8.9	5.6 - 6.7 - 8.6 - 10.4 - 12.3	5.6 - 8.0 - 9.6 - 12.3 - 15.0
		Heating	m ³ /min	3.5 - 4.0 - 5.6 - 7.3 - 9.7	3.5 - 4.0 - 5.6 - 7.3 - 9.7	6.0 - 7.7 - 9.4 - 11.6 - 14.0	6.0 - 7.7 - 9.7 - 12.5 - 14.6
	Sound Level (SPL) (SLO-Lo-Mid-Hi-SHI ⁽³⁾)	Cooling	dB(A)	19 - 24 - 31 - 37 - 41	19 - 24 - 31 - 37 - 41	28 - 32 - 37 - 42 - 48	28 - 36 - 40 - 46 - 53
		Heating	dB(A)	19 - 23 - 30 - 37 - 44	19 - 23 - 30 - 37 - 44	29 - 35 - 40 - 44 - 49	29 - 35 - 41 - 47 - 51
	Sound Level (PWL)	Cooling	dB(A)	54	54	60	65
Outdoor Unit	Dimensions	H*W*D	mm	550-800-285	550-800-285	714-800-285	880-840-300
	Weight	kg	30	35	41	54	
	Air Volume	Cooling	m ³ /min	36.3	34.3	45.8	50.1
		Heating	m ³ /min	34.6	32.7	43.7	50.1
	Sound Level (SPL)	Cooling	dB(A)	45	48	48	49
		Heating	dB(A)	46	48	49	51
Sound Level (PWL)	Cooling	dB(A)	59	59	64	65	
Operating Current(Max)	A	7	9	14	15		
	Breaker Size	A	10	10	16	16	
Ext. Piping	Diameter	Liquid/Gas	mm	6.35 / 9.52	6.35 / 9.52	6.35 / 12.7	6.35 / 15.88
	Max.Length	Out-In	m	20	20	30	30
	Max.Height	Out-In	m	12	12	30	30
Guaranteed Operating Range [Outdoor]	Cooling	°C	-10 ~ +46	-10 ~ +46	-15 ~ +46	-15 ~ +46	
	Heating	°C	-10 ~ +24	-10 ~ +24	-10 ~ +24	-10 ~ +24	

(*) Refrigerant leakage contributes to climate change. Refrigerant with lower global warming potential (GWP) would contribute less to global warming than a refrigerant with higher GWP, if leaked to the atmosphere. This appliance contains a refrigerant fluid with a GWP equal to 1975. This means that if 1 kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 1975 times higher than 1 kg of CO₂, over a period of 100 years. Never try to interfere with the refrigerant circuit yourself or disassemble the product yourself and always ask a professional.
The GWP of R410A is 2088 in the IPCC 4th Assessment Report.

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

(3) SHi: Super High

(4) SEER, SCOP and other related description are based on COMMISSION DELEGATED REGULATION (EU) No 626/2011. The temperature conditions for calculating SCOP are based on "Average Season".

(5) SEER and SCOP are based on 2009/125/EC Energy-related Products Directive and Regulation (EU) No 206/2012.

MLZ SERIES

Introducing a new type of ceiling cassette for the Multi-Split Series with streamlined interior dimensions and a sharp, sleek appearance.

MLZ-KP25/35/50VF

R32

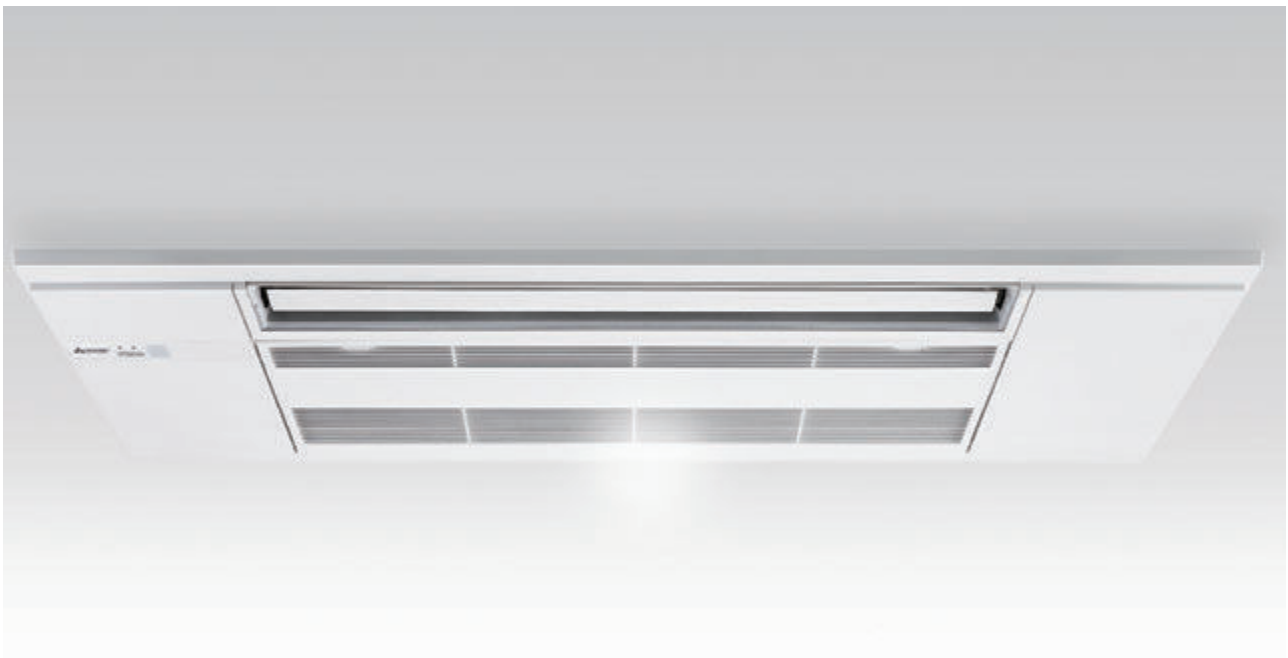
MLZ-KY20VG

reddot award 2018 winner



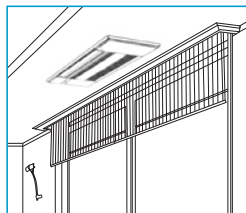
Slim Design KY KP

Industry leading slim body realized a simple design with linear beauty.



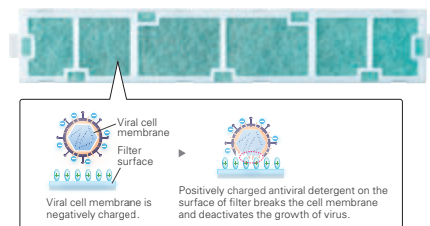
Ceiling Mounted KY KP

Installing the ceiling-mounted MLZ Series unit in a room creates a more spacious feel that enhances room comfort. This overhead format is also an excellent solution when lighting equipment is installed at the centre of the room and fixtures such as book shelves are mounted on wall surfaces.



Slim Body KY

V Blocking Filter with antiviral effect inhibits 99% of adhered virus and other harmful substances, such as bacteria, mold and allergen. Two-layered filter with non-woven fabric and electrostatic filter can effectively capture and remove small particles from the air in your room.



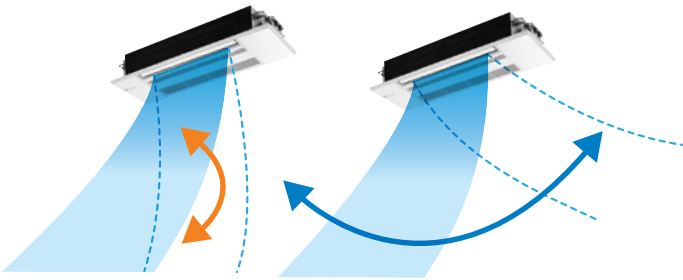
Set Airflow According to Ceiling Height KY KP

Dual-level airflow selection is engineered to accommodate specific ceiling heights. This is a key feature for adjusting airflow effectively when it is either too strong or too weak due to being mismatched with the height of the ceiling.

	20	25	35	50
Standard	2.4m	2.4m	2.4m	2.4m
High ceiling	2.7m	2.7m	2.7m	2.7m

Auto Vane Control KY KP

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



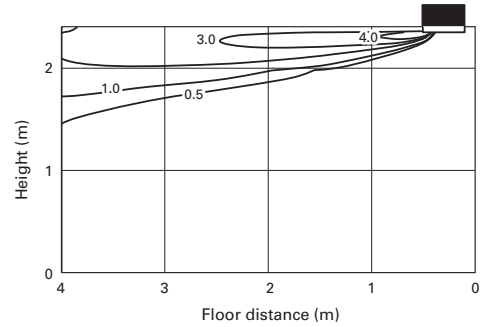
Up and Down Left and Right

*Only available when Econo Cool is set.

Horizontal Airflow KY KP

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

[Horizontal Airflow]
Model name: MLZ-KP35VF
Ceiling height: 2.4m
Model: Cooling



Weekly Timer KY KP Built-in Weekly Timer Function

Easily set desired temperatures and operation ON/OFF times to match lifestyle patterns. Reduce wasted energy consumption by using the timer to prevent forgetting to turn off the unit and eliminate temperature setting adjustments.

Example Operation Pattern (Winter/Heating mode)

	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.	Sun.
6:00	ON 20°C	ON 20°C	ON 20°C	ON 20°C	ON 20°C	ON 20°C	ON 20°C
8:00	Automatically changes to high-power operation at wake-up time						
10:00	OFF	OFF	OFF	OFF	OFF	ON 18°C	ON 18°C
12:00	Automatically turned off during work hours					Midday is warmer, so the temperature is set lower	
14:00							
16:00							
18:00	ON 22°C	ON 22°C	ON 22°C	ON 22°C	ON 22°C	ON 22°C	ON 22°C
20:00	Automatically turns on, synchronized with arrival at home					Automatically raises temperature setting to match time when outside-air temperature is low	
22:00							
(during sleeping hours)	ON 18°C	ON 18°C	ON 18°C	ON 18°C	ON 18°C	ON 10°C	ON 10°C
	Automatically lowers temperature at bedtime for energy-saving operation at night						

Settings

Pattern Settings: Input up to four settings for each day

Settings: •Start/Stop operation •Temperature setting *The operation mode cannot be set.

Easy set-up using dedicated buttons

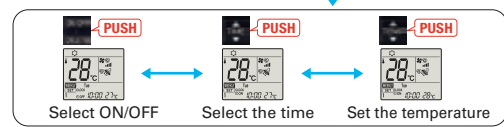


The remote controller is equipped with buttons that are used exclusively for setting the Weekly Timer. Setting operation patterns is easy and quick.



How to set the Weekly Timer

Ready to set

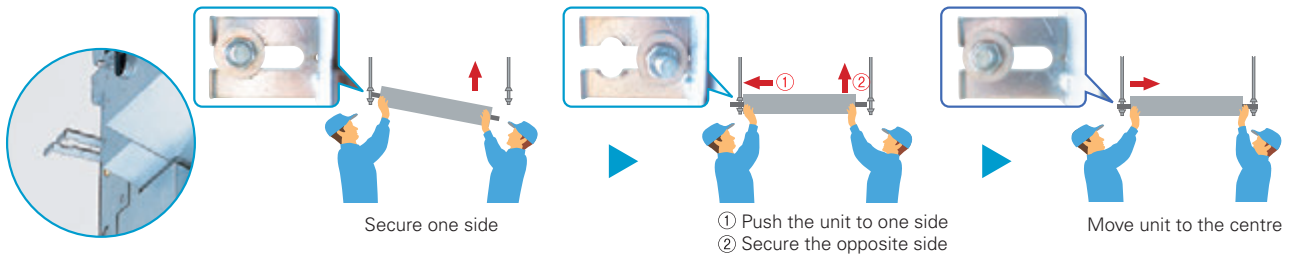


- Start by pushing the "SET" button and follow the instructions to set the desired patterns. Once all of the desired patterns are input, point the top end of the remote controller at the indoor unit and push the "SET" button one more time. (Push the "SET" button only after inputting all of the desired patterns into the remote controller memory. Pushing the "CANCEL" button will end the set-up process without sending the operation patterns to the indoor unit).
- It takes a few seconds to transmit the Weekly Timer operation patterns to the indoor unit. Please continue to point the remote controller at the indoor unit until all data has been sent.

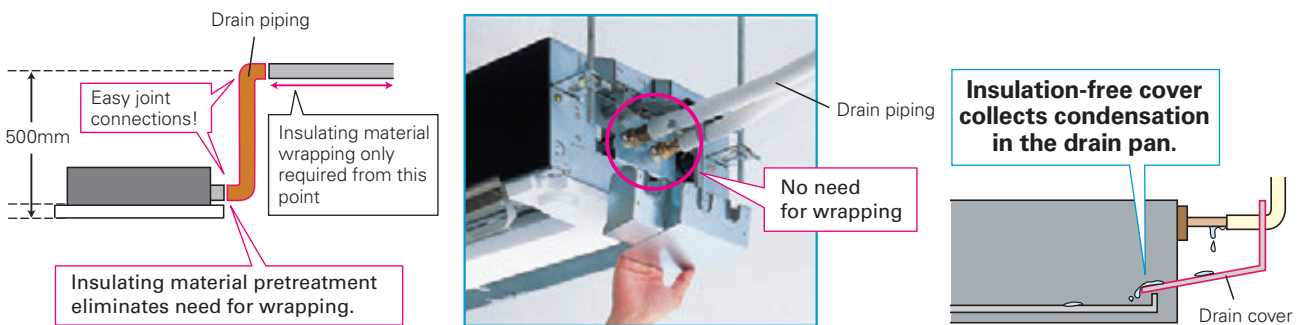
Easy Installation

Temporary hanging hook KY KP

Work efficiency has improved during installation.

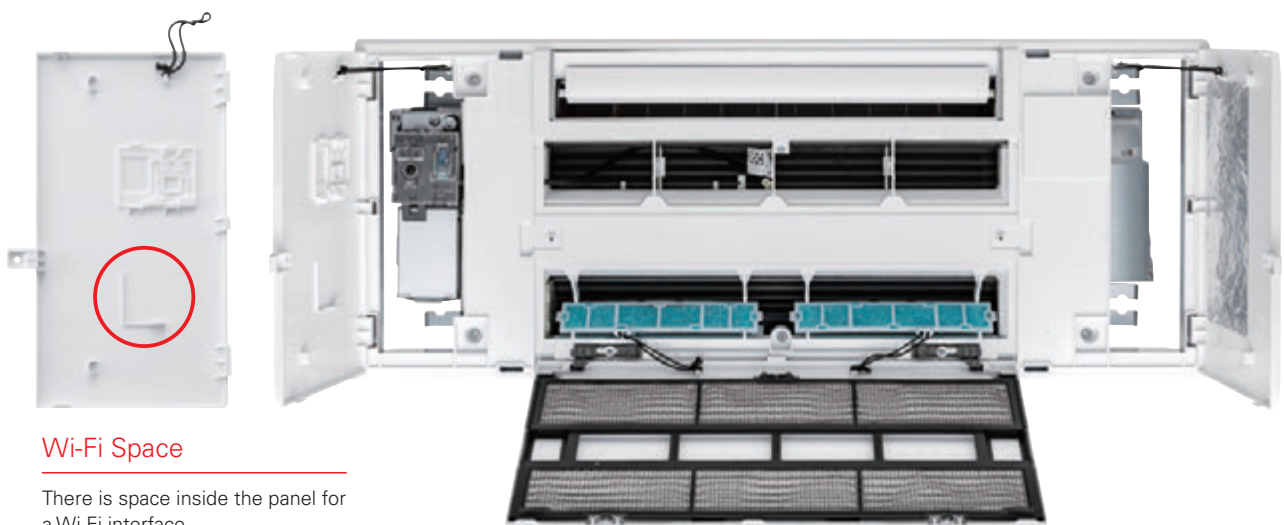


Refrigerant Piping Supporters + Drain Cover KY KP



High Serviceability KY KP

No need to put off the panel even when the unit has some troubles to be checked inside. Simply open the panel to see the inside of the unit.



Wi-Fi Space

There is space inside the panel for a Wi-Fi interface.

* This image is for MLZ-KY

MLZ SERIES



Indoor Unit R32



MLZ-KP25/35/50VF



R32



MLZ-KY20VG

Panel

MLP-444W

MLP-448W

Outdoor Unit



SUZ-M25/35VA



SUZ-M50VA

For Multi Connection Only

Remote Controller



Built in MLZ-KP/KY



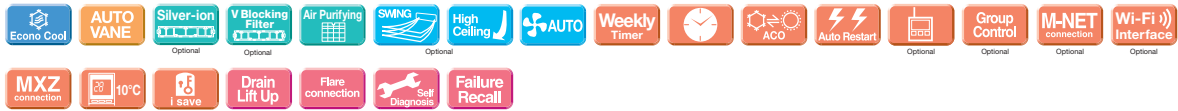
*optional



*optional



*optional



Type	Inverter Heat Pump						
Indoor Unit	MLZ-KP25VF	MLZ-KP35VF	MLZ-KP50VF	MLZ-KY20VG			
Outdoor Unit	SUZ-M25VA	SUZ-M35VA	SUZ-M50VA	For Multi connection only			
Refrigerant	R32 ⁽¹⁾						
Power Supply	Outdoor Power supply						
	Outdoor (V / Phase / Hz)	230V / Single / 50Hz		230V / Single Phase / 50Hz			
Cooling	Design load	kW	2.5	3.5	5.0	-	
	Annual electricity consumption ⁽²⁾	kWh/a	141	175	260	-	
	SEER ^{(4), (5)}		6.2	7.0	6.7	-	
	Energy efficiency class			A++	A++	A++	-
		Rated	kW	2.5	3.5	5.0	-
	Capacity	Min-Max	kW	1.4 - 3.2	0.8 - 3.9	1.7 - 5.6	-
	Total Input	Rated	kW	0.59	0.94	1.38	-
Heating (Average Season)	Design load	kW	2.2	2.6	4.3	-	
	Declared Capacity	at reference design temperature	kW	2.0 (-10°C)	2.3 (-10°C)	3.8 (-10°C)	-
		at bivalent temperature	kW	2.0 (-7°C)	2.3 (-7°C)	3.8 (-7°C)	-
		at operation limit temperature	kW	2.0 (-10°C)	2.3 (-10°C)	3.8 (-10°C)	-
	Back up heating capacity	kW	0.2	0.3	0.5	-	
	Annual electricity consumption ⁽²⁾	kWh/a	697	791	1397	-	
	SCOP ^{(4), (5)}		4.4	4.6	4.3	-	
Energy efficiency class			A+	A++	A+	-	
	Rated	kW	3.2	4.1	6.0	-	
Capacity	Min-Max	kW	1.4 - 4.2	1.1 - 4.9	1.7 - 7.2	-	
Total Input	Rated	kW	0.80	1.10	1.86	-	
Operating Current (Max)	Input	A	7.2	8.9	13.9	-	
	Operating Current (Max)	A	0.40	0.40	0.40	0.12	
Indoor Unit	Dimensions	H*W*D	mm	185-1102-360	185-1102-360	185-1102-360	194-842-301
	Weight		kg	15.5	15.5	15.5	14
	Air Volume (SLo-Le-Mid-Hi ⁽³⁾)	Cooling	m ³ /min	6.0-7.2-8.0-8.8	6.0-7.3-8.4-9.4	6.0-8.3-9.8-11.4	4.3-4.7-5.2-5.6
		Heating	m ³ /min	6.0-7.0-8.2-9.2	6.0-7.7-8.8-9.9	6.0-8.8-10.3-11.8	4.3-4.9-5.5-6.0
	Sound Level (SPL) (SLo-Le-Mid-Hi ⁽³⁾)	Cooling	dB(A)	27-31-34-38	27-32-36-40	29-36-41-47	30-32-34-37
		Heating	dB(A)	26-27-34-37	29-32-36-40	26-37-42-48	29-32-35-58
	Sound Level (PWL)	Cooling	dB(A)	52	53	59	40-42-44-50
Dimensions	H*W*D	mm	24-1200-424	24-1200-424	24-1200-424	34-915-370	
Panel	Weight		kg	3.5	3.5	3.5	3.8
	Dimensions	H*W*D	mm	550-800-285	550-800-285	550-800-285	-
	Weight		kg	30	35	41	-
	Air Volume	Cooling	m ³ /min	36.3	34.3	45.8	-
		Heating	m ³ /min	34.6	32.7	43.7	-
	Sound Level (SPL)	Cooling	dB(A)	45	48	48	-
		Heating	dB(A)	46	48	49	-
Sound Level (PWL)	Cooling	dB(A)	59	59	64	-	
Operating Current (Max)	A		6.8	8.5	13.5	-	
Breaker Size	A		10	10	20	-	
Ext. Piping	Diameter	Liquid/Gas	mm	6.35/9.52	6.35/9.52	6.35/12.7	6.35/9.52
	Max.Length	Out-In	m	20	20	30	-
	Max.Height	Out-In	m	12	12	30	-
Guaranteed Operating Range (Outdoor)	Cooling	°C	-10~+46	-10~+46	-15~+46	-	
	Heating	°C	-10~+24	-10~+24	-10~+24	-	

(1) Refrigerant leakage contributes to climate change. Refrigerant with lower global warming potential (GWP) would contribute less to global warming than a refrigerant with higher GWP, if leaked to the atmosphere. This appliance contains a refrigerant fluid with a GWP equal to 1975. This means that if 1 kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 1975 times higher than 1 kg of CO₂, over a period of 100 years. Never try to interfere with the refrigerant circuit yourself or disassemble the product yourself and always ask a professional.

The GWP of R410A is 2088 in the IPCC 4th Assessment Report.

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

(3) SH: Super High

(4) SEER, SCOP and other related description are based on COMMISSION DELEGATED REGULATION (EU) No.626/2011. The temperature conditions for calculating SCOP are based on "Average Season".

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

Specification on Warmer/Colder Condition

Type		Inverter Heat Pump				
Indoor Unit		MSZ-RW25VG	MSZ-RW35VG	MSZ-RW50VG		
Outdoor Unit		MUZ-RW25VGHZ	MUZ-RW35VGHZ	MUZ-RW50VGHZ		
Refrigerant		R32 ⁽³⁾				
Cooling	Design load	kW	2.5	3.5	5.0	
	Annual electricity consumption ⁽²⁾	kWh/a	78	130	230	
	SEER		11.2	9.4	7.6	
		Energy efficiency class	A+++	A+++	A++	
Heating (Warmer Season)	Design load	kW	1.8	2.2	3.3	
	Declared Capacity	at reference design temperature	kW	1.8	2.2	3.3
		at bivalent temperature	kW	1.8	2.2	3.3
		at operation limit temperature	kW	2.6	2.6	4.0
	Back up heating capacity	kW	0.0	0.0	0.0	
	Annual electricity consumption ⁽²⁾	kWh/a	372	469	715	
SCOP		6.7	6.5	6.4		
		Energy efficiency class	A+++	A+++	A+++	
Heating (Colder Season)	Design load	kW	4.7	5.9	8.8	
	Declared Capacity	at reference design temperature	kW	3.7	4.0	5.6
		at bivalent temperature	kW	3.2	4.0	6.0
		at operation limit temperature	kW	2.6	2.6	4.0
	Back up heating capacity	kW	1.0	1.9	3.2	
	Annual electricity consumption ⁽²⁾	kWh/a	2407	3083	5157	
SCOP		4.1	4.0	3.5		
		Energy efficiency class	A+	A+	A	

Type		Inverter Heat Pump								
Indoor Unit		MSZ-LN25VG2		MSZ-LN35VG2		MSZ-LN50VG2		MSZ-LN60VG2		
Outdoor Unit		MUZ-LN25VG2	MUZ-LN25VGHZ2	MUZ-LN35VG2	MUZ-LN35VGHZ2	MUZ-LN50VG2	MUZ-LN50VGHZ	MUZ-LN60VG2		
Refrigerant		R32 ⁽³⁾								
Cooling	Design load	kW	2.5	2.5	3.5	3.5	5.0	6.1		
	Annual electricity consumption ⁽²⁾	kWh/a	83	83	129	130	205	230	285	
	SEER		10.5	10.5	9.5	9.4	8.5	7.6	7.5	
		Energy efficiency class	A+++	A+++	A+++	A+++	A+++	A++	A++	
Heating (Warmer Season)	Design load	kW	1.7 (2°C)	1.8 (2°C)	2.0 (2°C)	2.2 (2°C)	2.5 (2°C)	3.3 (2°C)	3.3 (2°C)	
	Declared Capacity	at reference design temperature	kW	1.7 (2°C)	1.8 (2°C)	2.0 (2°C)	2.2 (2°C)	2.5 (2°C)	3.3 (2°C)	3.3 (2°C)
		at bivalent temperature	kW	1.7 (2°C)	1.8 (2°C)	2.0 (2°C)	2.2 (2°C)	2.5 (2°C)	3.3 (2°C)	3.3 (2°C)
		at operation limit temperature	kW	2.5 (-15°C)	2.3 (-25°C)	3.2 (-15°C)	3.1 (-25°C)	4.2 (-15°C)	4.7 (-25°C)	6.0 (-15°C)
	Back up heating capacity	kW	0.0 (2°C)	0.0 (2°C)	0.0 (2°C)	0.0 (2°C)	0.0 (2°C)	0.0 (2°C)	0.0 (2°C)	
	Annual electricity consumption ⁽²⁾	kWh/a	369	382	431	467	602	779	779	
SCOP		6.4	6.6	6.5	6.5	5.8	5.9	5.9		
		Energy efficiency class	A+++	A+++	A+++	A+++	A+++	A+++		
Heating (Colder Season)	Design load	kW	—	4.7 (-22°C)	—	5.9 (-22°C)	—	8.8 (-22°C)	—	
	Declared Capacity	at reference design temperature	kW	—	2.6 (-22°C)	—	3.4 (-22°C)	—	5.1 (-22°C)	—
		at bivalent temperature	kW	—	3.2 (-10°C)	—	4.0 (-10°C)	—	6.0 (-10°C)	—
		at operation limit temperature	kW	—	2.3 (-25°C)	—	3.1 (-25°C)	—	4.7 (-25°C)	—
	Back up heating capacity	kW	—	2.1 (-22°C)	—	2.5 (-22°C)	—	3.7 (-22°C)	—	
	Annual electricity consumption ⁽²⁾	kWh/a	—	2425	—	3075	—	5340	—	
SCOP		—	4.0	—	4.0	—	3.4	—		
		Energy efficiency class	—	A+	—	A+	—	A	—	

Type		Inverter Heat Pump				
Indoor Unit		MSZ-FT25VG	MSZ-FT35VG	MSZ-FT50VG		
Outdoor Unit		MUZ-FT25VGHZ	MUZ-FT35VGHZ	MUZ-FT50VGHZ		
Refrigerant		R32 ⁽³⁾				
Cooling	Design load	kW	2.5	3.5	5.0	
	Annual electricity consumption ⁽²⁾	kWh/a	101	142	243	
	SEER		8.6	8.6	7.2	
		Energy efficiency class	A+++	A+++	A++	
Heating (Warmer Season)	Design load	kW	1.8 (2°C)	2.2 (2°C)	2.7 (2°C)	
	Declared Capacity	at reference design temperature	kW	1.8 (2°C)	2.2 (2°C)	2.7 (2°C)
		at bivalent temperature	kW	1.8 (2°C)	2.2 (2°C)	2.7 (2°C)
		at operation limit temperature	kW	3.0 (-25°C)	3.4 (-25°C)	3.6 (-25°C)
	Back up heating capacity	kW	0.0 (2°C)	0.0 (2°C)	0.0 (2°C)	
	Annual electricity consumption ⁽²⁾	kWh/a	432	527	684	
SCOP		5.8	5.8	5.5		
		Energy efficiency class	A+++	A+++	A+++	
Heating (Colder Season)	Design load	kW	4.7 (-22°C)	5.9 (-22°C)	7.4 (-22°C)	
	Declared Capacity	at reference design temperature	kW	3.1 (-22°C)	3.7 (-22°C)	4.0 (-22°C)
		at bivalent temperature	kW	3.2 (-10°C)	4.0 (-10°C)	5.0 (-10°C)
		at operation limit temperature	kW	3.0 (-25°C)	3.4 (-25°C)	3.6 (-25°C)
	Back up heating capacity	kW	1.6 (-22°C)	2.2 (-22°C)	3.4 (-22°C)	
	Annual electricity consumption ⁽²⁾	kWh/a	2766	3453	4707	
SCOP		3.5	3.5	3.3		
		Energy efficiency class	A	A	B	

Type		Inverter Heat Pump									
Indoor Unit		MSZ-AY25VGK(P)	MSZ-AY25VGK(P)	MSZ-AY35VGK(P)	MSZ-AY35VGK(P)	MSZ-AY42VGK(P)	MSZ-AY42VGK(P)	MSZ-AY50VGK(P)	MSZ-AY50VGK(P)		
Outdoor Unit		MUZ-AY25VG	MUZ-AY25VGH	MUZ-AY35VG	MUZ-AY35VGH	MUZ-AY42VG	MUZ-AY42VGH	MUZ-AY50VG	MUZ-AY50VGH		
Refrigerant		R32 ⁽³⁾									
Cooling	Design load	kW	2.5	2.5	3.5	3.5	4.2	4.2	5.0	5.0	
	Annual electricity consumption ⁽²⁾	kWh/a	100	100	141	141	186	186	232	232	
	SEER ⁽⁴⁾		8.7	8.7	8.7	8.7	7.9	7.9	7.5	7.5	
		Energy efficiency class	A+++	A+++	A+++	A+++	A++	A++	A++	A++	
Heating (Warmer Season)	Design load	kW	1.3 (2°C)	1.3 (2°C)	1.6 (2°C)	1.6 (2°C)	2.1 (2°C)	2.1 (2°C)	2.3 (2°C)	2.3 (2°C)	
	Declared Capacity	at reference design temperature	kW	1.3 (2°C)	1.3 (2°C)	1.6 (2°C)	1.6 (2°C)	2.1 (2°C)	2.1 (2°C)	2.3 (2°C)	2.3 (2°C)
		at bivalent temperature	kW	1.3 (2°C)	1.3 (2°C)	1.6 (2°C)	1.6 (2°C)	2.1 (2°C)	2.1 (2°C)	2.3 (2°C)	2.3 (2°C)
		at operation limit temperature	kW	1.9 (-20°C)	1.9 (-20°C)	2.0 (-20°C)	2.0 (-20°C)	2.7 (-20°C)	2.7 (-20°C)	3.0 (-20°C)	3.0 (-20°C)
	Back up heating capacity	kW	0.0 (2°C)	0.0 (2°C)	0.0 (2°C)	0.0 (2°C)	0.0 (2°C)	0.0 (2°C)	0.0 (2°C)	0.0 (2°C)	
	Annual electricity consumption ⁽²⁾	kWh/a	319	319	376	376	495	495	523	523	
SCOP		5.7	5.7	5.9	5.9	5.9	5.9	6.1	6.1		
		Energy efficiency class	A+++	A+++	A+++	A+++	A+++	A+++	A+++	A+++	

Type		Inverter Heat Pump					
Indoor Unit		MSZ-AP15VG	MSZ-AP20VG	MSZ-AP60VG(K)	MSZ-AP71VG(K)		
Outdoor Unit		MUZ-AP15VG	MUZ-AP20VG	MUZ-AP60VG	MUZ-AP71VG		
Refrigerant		R32 ^(*)					
Cooling	Design load	kW	1.5	2.0	6.1	7.1	
	Annual electricity consumption ⁽²⁾	kWh/a	72	81	288	345	
	SEER		7.2	8.6	7.4	7.2	
		Energy efficiency class	A++	A+++	A++	A++	
Heating (Warmer Season)	Design load	kW	0.9 (2°C)	1.3 (2°C)	2.5 (2°C)	3.7 (2°C)	
	Declared Capacity	at reference design temperature	kW	0.9 (2°C)	1.3 (2°C)	2.5 (2°C)	3.7 (2°C)
		at bivalent temperature	kW	0.9 (2°C)	1.3 (2°C)	2.5 (2°C)	3.7 (2°C)
		at operation limit temperature	kW	1.6 (-15°C)	2.2 (-15°C)	3.7 (-15°C)	5.4 (-15°C)
	Back up heating capacity	kW	0.0 (2°C)	0.0 (2°C)	0.0 (2°C)	0.0 (2°C)	
	Annual electricity consumption ⁽²⁾	kWh/a	265	350	627	891	
SCOP		4.7	5.2	5.5	5.8		
		Energy efficiency class	A++	A+++	A+++	A+++	

Type		Inverter Heat Pump							
Indoor Unit		MSZ-EF25VG		MSZ-EF35VG		MSZ-EF42VG	MSZ-EF50VG		
Outdoor Unit		MUZ-EF25VG	MUZ-EF25VGH	MUZ-EF35VG	MUZ-EF35VGH	MUZ-EF42VG	MUZ-EF50VG		
Refrigerant		R32 ^(*)							
Cooling	Design load	kW	2.5	2.5	3.5	3.5	4.2	5.0	
	Annual electricity consumption ⁽²⁾	kWh/a	96	96	139	139	186	233	
	SEER		9.1	9.1	8.8	8.8	7.9	7.5	
		Energy efficiency class	A+++	A+++	A+++	A+++	A++	A++	
Heating (Warmer Season)	Design load	kW	1.3 (2°C)	1.3 (2°C)	1.6 (2°C)	1.6 (2°C)	2.1 (2°C)	2.3 (2°C)	
	Declared Capacity	at reference design temperature	kW	1.3 (2°C)	1.3 (2°C)	1.6 (2°C)	1.6 (2°C)	2.1 (2°C)	2.3 (2°C)
		at bivalent temperature	kW	1.3 (2°C)	1.3 (2°C)	1.6 (2°C)	1.6 (2°C)	2.1 (2°C)	2.3 (2°C)
		at operation limit temperature	kW	2.0 (-15°C)	2.0 (-15°C)	2.4 (-15°C)	2.4 (-15°C)	3.4 (-15°C)	3.5 (-15°C)
	Back up heating capacity	kW	0.0 (2°C)	0.0 (2°C)	0.0 (2°C)	0.0 (2°C)	0.0 (2°C)	0.0 (2°C)	
	Annual electricity consumption ⁽²⁾	kWh/a	311	311	398	398	489	595	
SCOP		5.9	5.9	5.6	5.6	6.0	5.4		
		Energy efficiency class	A+++	A+++	A+++	A+++	A+++	A+++	

Type		Inverter Heat Pump					
Indoor Unit		MSZ-BT20VG	MSZ-BT25VG	MSZ-BT35VG	MSZ-BT50VG		
Outdoor Unit		MUZ-BT20VG	MUZ-BT25VG	MUZ-BT35VG	MUZ-BT50VG		
Refrigerant		R32 ^(*)					
Cooling	Design load	kW	2.0	2.5	3.5	5.0	
	Annual electricity consumption ⁽²⁾	kWh/a	86	108	180	265	
	SEER		8.1	8.1	6.8	6.6	
		Energy efficiency class	A++	A++	A++	A++	
Heating (Warmer Season)	Design load	kW	0.9 (2°C)	1.1 (2°C)	1.3 (2°C)	2.1 (2°C)	
	Declared Capacity	at reference design temperature	kW	0.9 (2°C)	1.1 (2°C)	1.3 (2°C)	2.1 (2°C)
		at bivalent temperature	kW	0.9 (2°C)	1.1 (2°C)	1.3 (2°C)	2.1 (2°C)
		at operation limit temperature	kW	1.3 (-15°C)	1.7 (-15°C)	2.1 (-15°C)	3.4 (-15°C)
	Back up heating capacity	kW	0.0 (2°C)	0.0 (2°C)	0.0 (2°C)	0.0 (2°C)	
	Annual electricity consumption ⁽²⁾	kWh/a	234	268	304	543	
SCOP ⁽⁴⁾		5.3	5.7	5.9	5.4		
		Energy efficiency class	A+++	A+++	A+++	A+++	

Type		Inverter Heat Pump							
Indoor Unit		MSZ-HR25VF	MSZ-HR35VF	MSZ-HR42VF	MSZ-HR50VF	MSZ-HR60VF	MSZ-HR71VF		
Outdoor Unit		MUZ-HR25VF	MUZ-HR35VF	MUZ-HR42VF	MUZ-HR50VF	MUZ-HR60VF	MUZ-HR71VF		
Refrigerant		R32 ^(*)							
Cooling	Design load	kW	2.5	3.4	4.2	5.0	6.1	7.1	
	Annual electricity consumption ⁽²⁾	kWh/a	141	191	226	269	296	355	
	SEER		6.2	6.2	6.5	6.5	7.2	7.0	
		Energy efficiency class	A++	A++	A++	A++	A++	A++	
Heating (Warmer Season)	Design load	kW	1.1 (2°C)	1.3 (2°C)	1.6 (2°C)	2.1 (2°C)	2.5 (2°C)	3.0 (2°C)	
	Declared Capacity	at reference design temperature	kW	1.1 (2°C)	1.3 (2°C)	1.6 (2°C)	2.1 (2°C)	2.5 (2°C)	3.0 (2°C)
		at bivalent temperature	kW	1.1 (2°C)	1.3 (2°C)	1.6 (2°C)	2.1 (2°C)	2.5 (2°C)	3.0 (2°C)
		at operation limit temperature	kW	1.9 (-10°C)	2.4 (-10°C)	2.9 (-10°C)	3.8 (-10°C)	4.6 (-10°C)	5.4 (-10°C)
	Back up heating capacity	kW	0.0 (2°C)	0.0 (2°C)	0.0 (2°C)	0.0 (2°C)	0.0 (2°C)	0.0 (2°C)	
	Annual electricity consumption ⁽²⁾	kWh/a	289	344	427	558	640	802	
SCOP		5.3	5.2	5.2	5.2	5.4	5.2		
		Energy efficiency class	A+++	A+++	A+++	A+++	A+++	A+++	

Type		Inverter Heat Pump				
Indoor Unit		MSZ-DW25VF	MSZ-DW35VF	MSZ-DW50VF		
Outdoor Unit		MUZ-DW25VF	MUZ-DW35VF	MUZ-DW50VF		
Refrigerant		R32 ^(*)				
Cooling	Design load	kW	2.5	3.4	5.0	
	Annual electricity consumption ⁽²⁾	kWh/a	135	184	261	
	SEER		6.2	6.2	6.5	
		Energy efficiency class	A++	A++	A++	
Heating (Warmer Season)	Design load	kW	1.1 (2°C)	1.3 (2°C)	2.1 (2°C)	
	Declared Capacity	at reference design temperature	kW	1.1 (2°C)	1.3 (2°C)	2.1 (2°C)
		at bivalent temperature	kW	1.1 (2°C)	1.3 (2°C)	2.1 (2°C)
		at operation limit temperature	kW	1.9 (-10°C)	2.4 (-10°C)	3.8 (-10°C)
	Back up heating capacity	kW	0.0 (2°C)	0.0 (2°C)	0.0 (2°C)	
	Annual electricity consumption ⁽²⁾	kWh/a	287	351	508	
SCOP		5.3	5.1	5.3		
		Energy efficiency class	A+++	A+++	A+++	

(*) Refrigerant leakage contributes to climate change. Refrigerant with lower global warming potential (GWP) would contribute less to global warming than a refrigerant with higher GWP, if leaked to the atmosphere. This appliance contains a refrigerant fluid with a GWP equal to 1975. This means that if 1 kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 1975 times higher than 1 kg of CO₂, over a period of 100 years. Never try to interfere with the refrigerant circuit yourself or disassemble the product yourself and always ask a professional.

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

(3) Refrigerant leakage contributes to climate change. Refrigerant with lower global warming potential (GWP) would contribute less to global warming than a refrigerant with higher GWP, if leaked to the atmosphere. This appliance contains a refrigerant fluid with a GWP equal to 550. This means that if 1 kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 550 times higher than 1 kg of CO₂, over a period of 100 years. Never try to interfere with the refrigerant circuit yourself or disassemble the product yourself and always ask a professional.

Specification on Warmer/Colder Condition

Type		Inverter Heat Pump							
Indoor Unit		MSZ-FH25VE2		MSZ-FH35VE2		MSZ-FH50VE2			
Outdoor Unit		MUZ-FH25VE	MUZ-FH25VEHZ	MUZ-FH35VE	MUZ-FH35VEHZ	MUZ-FH50VE	MUZ-FH50VEHZ		
Refrigerant		R410A ⁽¹⁾							
Cooling	Design load	kW	2.5	2.5	3.5	3.5	5.0	5.0	
	Annual electricity consumption ⁽²⁾	kWh/a	96	96	138	138	244	244	
	SEER		9.1	9.1	8.9	8.9	7.2	7.2	
		Energy efficiency class	A+++	A+++	A+++	A+++	A++	A++	
Heating (Warmer Season)	Design load	kW	1.7 (2°C)	1.8 (2°C)	2.0 (2°C)	2.2 (2°C)	2.5 (2°C)	3.3 (2°C)	
	Declared Capacity	at reference design temperature	kW	1.7 (2°C)	1.8 (2°C)	2.0 (2°C)	2.2 (2°C)	2.5 (2°C)	3.3 (2°C)
		at bivalent temperature	kW	1.7 (2°C)	1.8 (2°C)	2.0 (2°C)	2.2 (2°C)	2.5 (2°C)	3.3 (2°C)
		at operation limit temperature	kW	2.5 (-15°C)	1.7 (-25°C)	3.2 (-15°C)	2.6 (-25°C)	5.2 (-15°C)	3.8 (-25°C)
	Back up heating capacity	kW	0.0 (2°C)	0.0 (2°C)	0.0 (2°C)	0.0 (2°C)	0.0 (2°C)	0.0 (2°C)	
	Annual electricity consumption ⁽²⁾	kWh/a	376	397	429	471	614	787	
	SCOP		6.3	6.3	6.5	4.8 / 6.5	5.7	5.9	
		Energy efficiency class	A+++	A+++	A+++	A+++	A+++	A+++	

Type		Inverter Heat Pump									
Indoor Unit		MSZ-SF25VE3		MSZ-SF35VE3		MSZ-SF42VE3		MSZ-SF50VE3			
Outdoor Unit		MUZ-SF25VE	MUZ-SF25VEH	MUZ-SF35VE	MUZ-SF35VEH	MUZ-SF42VE	MUZ-SF42VEH	MUZ-SF50VE	MUZ-SF50VEH		
Refrigerant		R410A ⁽¹⁾									
Cooling	Design load	kW	2.5	2.5	3.5	3.5	4.2	4.2	5.0	5.0	
	Annual electricity consumption ⁽²⁾	kWh/a	116	116	171	171	196	196	246	246	
	SEER		7.6	7.6	7.2	7.2	7.5	7.5	7.2	7.2	
		Energy efficiency class	A++	A++	A++	A++	A++	A++	A++	A++	
Heating (Warmer Season)	Design load	kW	1.3 (2°C)	1.3 (2°C)	1.6 (2°C)	1.6 (2°C)	2.1 (2°C)	2.1 (2°C)	2.3 (2°C)	2.3 (2°C)	
	Declared Capacity	at reference design temperature	kW	1.3 (2°C)	1.3 (2°C)	1.6 (2°C)	1.6 (2°C)	2.1 (2°C)	2.1 (2°C)	2.3 (2°C)	2.3 (2°C)
		at bivalent temperature	kW	1.3 (2°C)	1.3 (2°C)	1.6 (2°C)	1.6 (2°C)	2.1 (2°C)	2.1 (2°C)	2.3 (2°C)	2.3 (2°C)
		at operation limit temperature	kW	2.0 (-15°C)	1.6 (-20°C)	2.2 (-15°C)	1.6 (-20°C)	3.4 (-15°C)	2.2 (-20°C)	3.4 (-15°C)	2.3 (-20°C)
	Back up heating capacity	kW	0.0 (2°C)	0.0 (2°C)	0.0 (2°C)	0.0 (2°C)	0.0 (2°C)	0.0 (2°C)	0.0 (2°C)	0.0 (2°C)	
	Annual electricity consumption ⁽²⁾	kWh/a	337	337	923 / 418	417	507	507	563	563	
	SCOP		5.4	5.4	5.4	5.4	5.8	5.8	5.7	5.7	
		Energy efficiency class	A+++	A+++	A+++	A+++	A+++	A+++	A+++	A+++	

Type		Inverter Heat Pump					
Indoor Unit		MSZ-GF60VE2	MSZ-GF71VE2	MSZ-WN25VA	MSZ-WN35VA		
Outdoor Unit		MUZ-GF60VE	MUZ-GF71VE	MUZ-WN25VA	MUZ-WN35VA		
Refrigerant		R410A ⁽¹⁾					
Cooling	Design load	kW	6.1	7.1	2.5	3.1	
	Annual electricity consumption ⁽²⁾	kWh/a	311	364	141	173	
	SEER		6.8	6.8	6.2	6.2	
		Energy efficiency class	A++	A++	A++	A++	
Heating (Warmer Season)	Design load	kW	2.5 (2°C)	3.7 (2°C)	1.1 (2°C)	1.3 (2°C)	
	Declared Capacity	at reference design temperature	kW	2.5 (2°C)	3.7 (2°C)	1.1 (2°C)	1.3 (2°C)
		at bivalent temperature	kW	2.5 (2°C)	3.7 (2°C)	1.1 (2°C)	1.3 (2°C)
		at operation limit temperature	kW	3.7 (-15°C)	5.4 (-15°C)	1.6 (-15°C)	2.0 (-15°C)
	Back up heating capacity	kW	0.0 (2°C)	0.0 (2°C)	0.0 (2°C)	0.0 (2°C)	
	Annual electricity consumption ⁽²⁾	kWh/a	664	963	304	362	
	SCOP ⁽³⁾		5.3	5.4	5.0	5.0	
		Energy efficiency class	A+++	A+++	A++	A++	

Type		Inverter Heat Pump								
Indoor Unit		MSZ-HJ25VA	MSZ-HJ35VA	MSZ-HJ50VA	MSZ-HJ60VA	MSZ-HJ71VA	MSZ-DM25VA	MSZ-DM35VA		
Outdoor Unit		MUZ-HJ25VA	MUZ-HJ35VA	MUZ-HJ50VA	MUZ-HJ60VA	MUZ-HJ71VA	MUZ-DM25VA	MUZ-DM35VA		
Refrigerant		R410A ⁽¹⁾								
Cooling	Design load	kW	2.5	3.1	5.0	6.1	7.1	2.5	3.1	
	Annual electricity consumption ⁽²⁾	kWh/a	171	212	292	354	441	149	190	
	SEER		5.1	5.1	6.0	6.0	5.6	5.8	5.7	
		Energy efficiency class	A	A	A+	A+	A+	A+		
Heating (Warmer Season)	Design load	kW	1.1 (2°C)	1.3 (2°C)	2.1 (2°C)	2.5 (2°C)	2.9 (2°C)	1.1 (2°C)	1.3 (2°C)	
	Declared Capacity	at reference design temperature	kW	1.1 (2°C)	1.3 (2°C)	2.1 (2°C)	2.5 (2°C)	2.9 (2°C)	1.1 (2°C)	1.3 (2°C)
		at bivalent temperature	kW	1.1 (2°C)	1.3 (2°C)	2.1 (2°C)	2.5 (2°C)	2.9 (2°C)	1.1 (2°C)	1.3 (2°C)
		at operation limit temperature	kW	1.9 (-10°C)	2.4 (-10°C)	3.8 (-10°C)	4.6 (-10°C)	5.4 (-10°C)	1.9 (-10°C)	2.4 (-10°C)
	Back up heating capacity	kW	0.0 (2°C)	0.0 (2°C)	0.0 (2°C)	0.0 (2°C)	0.0 (2°C)	0.0 (2°C)	0.0 (2°C)	
	Annual electricity consumption ⁽²⁾	kWh/a	356	426	539	674	813	325	386	
	SCOP		4.3	4.3	5.5	5.1	4.9	4.7	4.7	
		Energy efficiency class	A+	A+	A+++	A+++	A++	A++		

(1) Refrigerant leakage contributes to climate change. Refrigerant with lower global warming potential (GWP) would contribute less to global warming than a refrigerant with higher GWP, if leaked to the atmosphere. This appliance contains a refrigerant fluid with a GWP equal to 1975. This means that if 1 kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 1975 times higher than 1 kg of CO₂ over a period of 100 years. Never try to interfere with the refrigerant circuit yourself or disassemble the product yourself and always ask a professional.

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

(3) Refrigerant leakage contributes to climate change. Refrigerant with lower global warming potential (GWP) would contribute less to global warming than a refrigerant with higher GWP, if leaked to the atmosphere. This appliance contains a refrigerant fluid with a GWP equal to 550. This means that if 1 kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 550 times higher than 1 kg of CO₂ over a period of 100 years. Never try to interfere with the refrigerant circuit yourself or disassemble the product yourself and always ask a professional.