

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-A SERIES R32 R410A *1 MSZ-AP60/71VG  MSZ-AP15/20VG 20/25/35 25-60 SEER A+++ SCOP A+++ MXZ connection	MSZ-E SERIES R32 R410A *1  25/35 25/35 SEER A+++ SCOP A+++ MXZ connection
MSZ-BT SERIES R32  25/35 SEER A+++ SCOP A+++ MXZ connection	MSZ-HR SERIES R32 MSZ-HR60/71VF(K)  MSZ-HR25-50VF(K) 20/25/35 25-60 SEER A+++ SCOP A+++ MXZ connection	MSZ-DW SERIES R32  25/35 25/35 SEER A+++ SCOP A+++ MXZ connection
MSY-TP SERIES R32  35 SEER A+++	MSZ-F SERIES R410A  25/35 25/35 SEER A+++ SCOP A+++ MXZ connection	MSZ-S SERIES R410A MSZ-SF25-50VE  MSZ-SF15/20VA 25/35 25/35 SEER A+++ SCOP A+++ MXZ connection
MSZ-G SERIES R410A  25/35 25/35 SEER A+++ SCOP A+++ MXZ connection	MSZ-W SERIES R410A  25/35 25/35 SEER A+++ SCOP A+++ MXZ connection	MSZ-D SERIES R410A  25/35 25/35 SEER A+++ SCOP A+++ MXZ connection
MSZ-H SERIES R410A MSZ-HJ60/71  MSZ-HJ25/35/50 50/60/71 50/60/71 SEER A+++ SCOP A+++ MXZ connection	Floor-standing MFZ SERIES R32  25/35 25/35 SEER A+++ SCOP A+++ MXZ connection	Cassette Units MLZ SERIES R32  MXZ connection

SEER A SCOP A Energy Rank

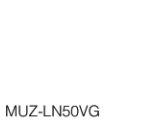
R32 R32 Refrigerant

*1 R410A is for MXZ and PUMY connection.

MXZ connection Compatible for connection to MXZ Series system

R410A R410A Refrigerant

*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-AP25/35/42/50VGH MUZ-EF25/35VGH MUZ-SF25/35/42/50VEH 	Hyper Heating MUZ-LN25/35/50VGHZ MUZ-FH25/35/50VEHZ MUZF-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. 

MSZ-L SERIES

R32
Single / MXZ, PUMY
R410A
PUMY

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



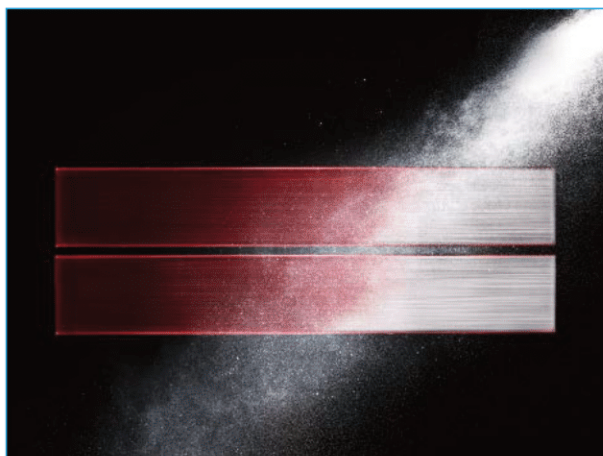
BEST 100

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

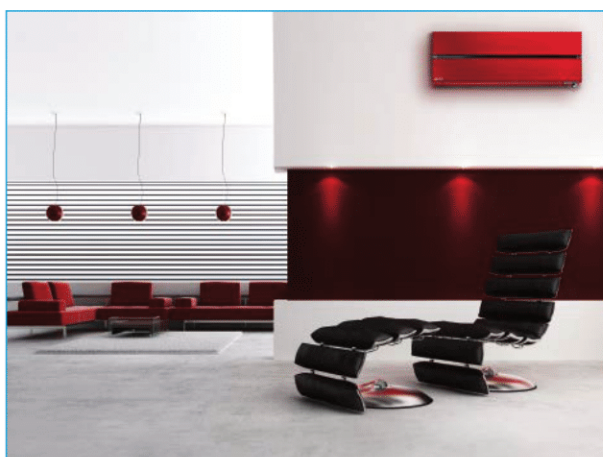
Natural White, Pearl White, Ruby Red, and Onyx Black. LN Series indoor units are available in four colours to match various lifestyles. The appearance of the indoor unit differs depending on the lighting in the room, attracting the attention of everyone that enters the room.



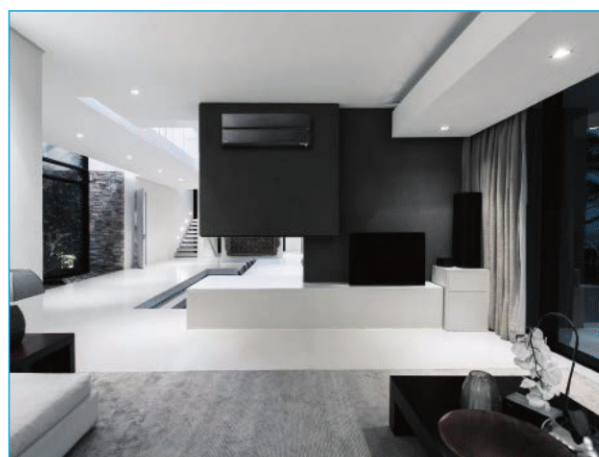
Master craftsmanship painting technology has resulted in a refined design, giving the finish deep colour and a premium quality feel.



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

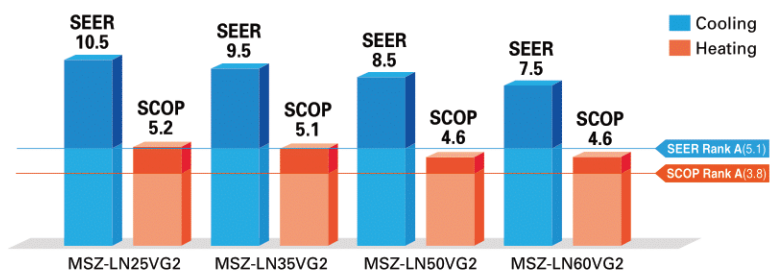


Natural White

High Energy Efficiency

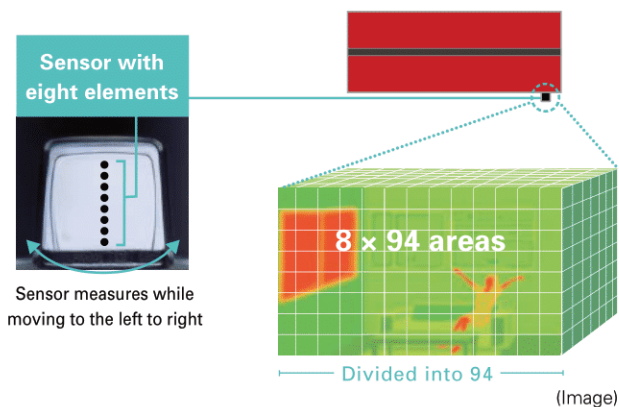


Optimum cooling/heating performance is another feature for the LN series. Models from capacities 25 to 50 have achieved the "Rank A+++" for SEER, and models for capacities 25 and 35 have achieved the "Rank A+++" for SCOP as well.



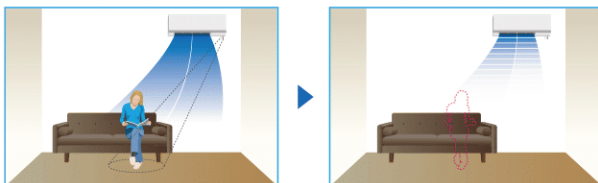
3D i-see Sensor

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.



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.

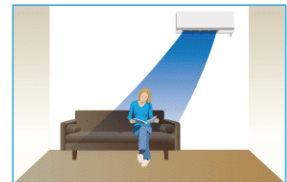
Indirect Airflow

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.



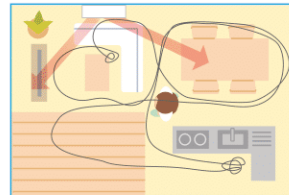
Direct Airflow

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



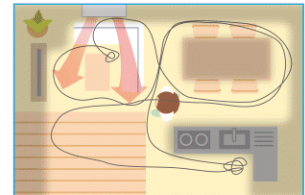
Even Airflow *LN Series only

Normal swing mode



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

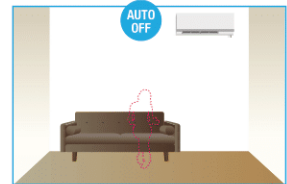
Even airflow mode



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

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.

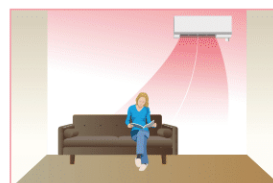


Circulator Operation

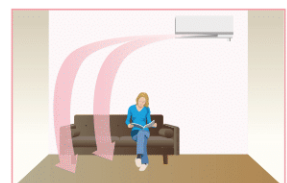
(MSZ-LN18/25/35/50/60VG-SC Scandinavian model)

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.

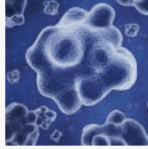


This operating can help to circulate and rene warm air.

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.

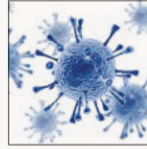
Bacteria



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

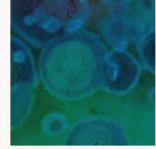
Viruses



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

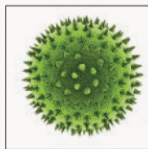
Molds



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

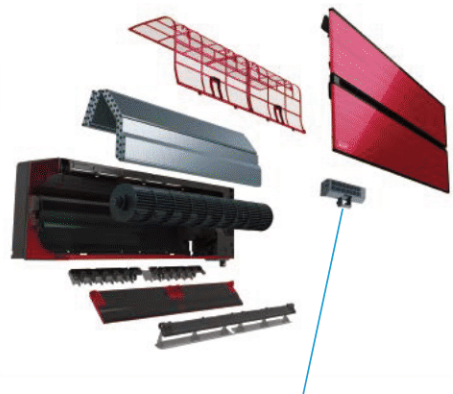
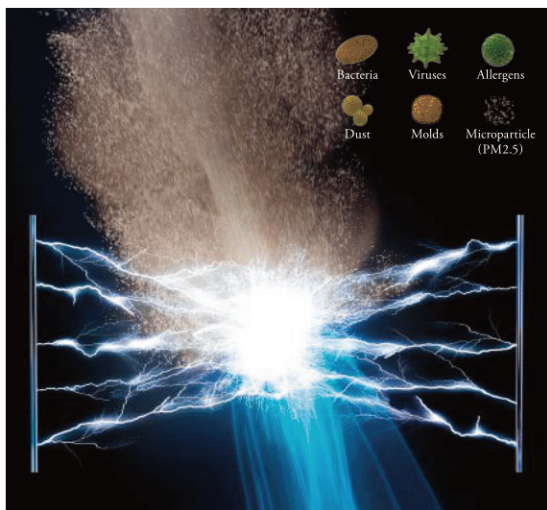
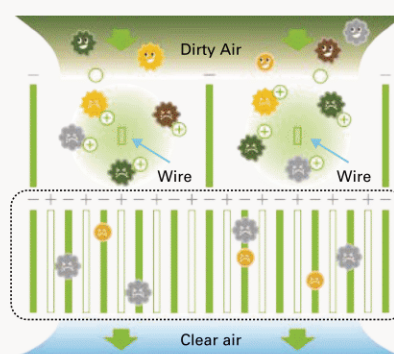


Image of Plasma Quad Plus



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 (+).

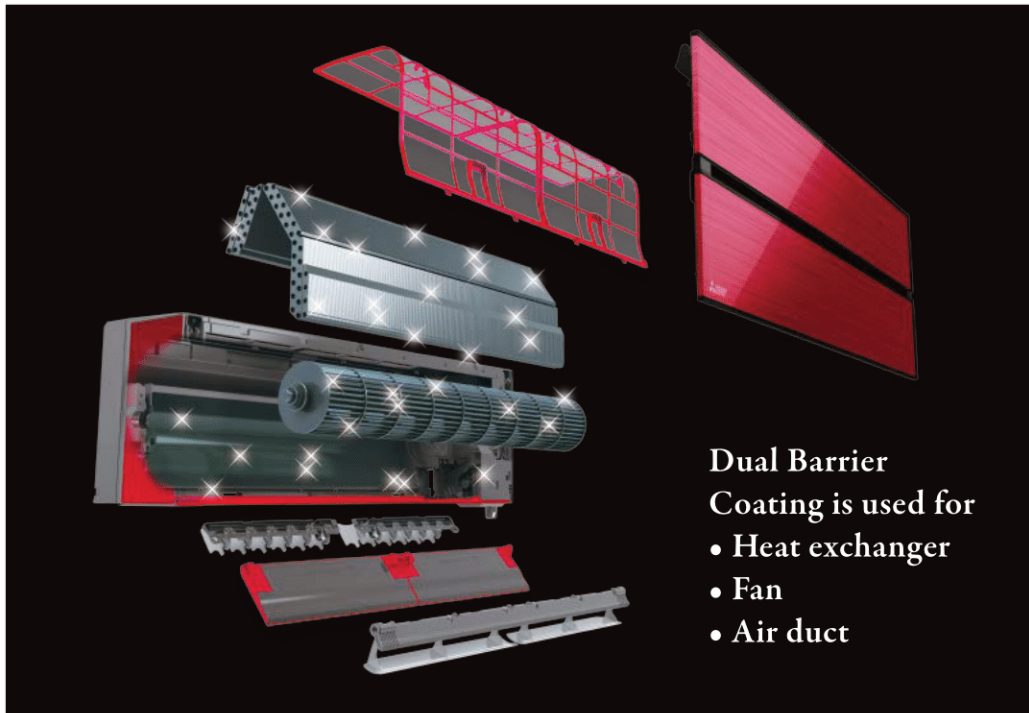
2nd stage

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



Dual Barrier Coating

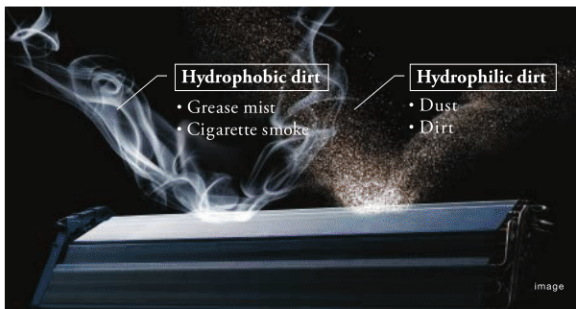
A two-barrier coating prevents dust and greasy dirt from getting into the air conditioner.



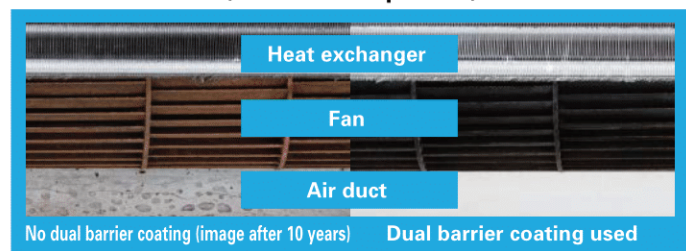
SIAA ^{*1}
Anti Fungus
 JP0512075X0001C
 (Fan, Air duct)

State-of-the-art coating technology

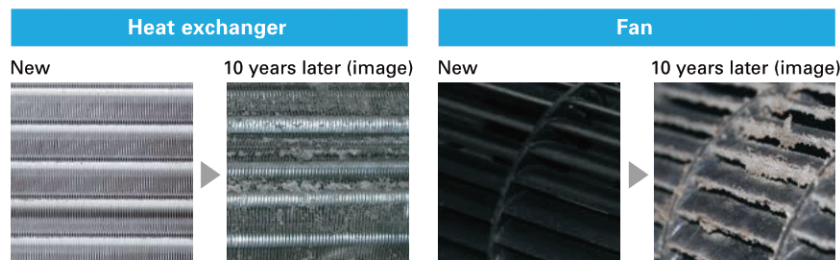
Dirt is generally classified into two groups: hydrophilic dirt such as fiber dust and sand dust, and hydrophobic dirt such as oil and cigarette smoke. Mitsubishi Electric's dual barrier coating works as a two-barrier coating with blended "fluorine particles" that prevent hydrophilic dirt penetration 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.

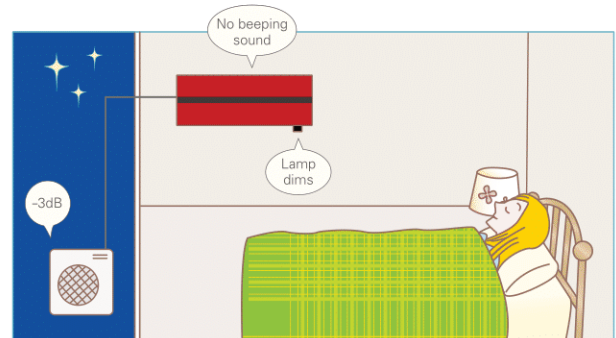


Night Mode

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.

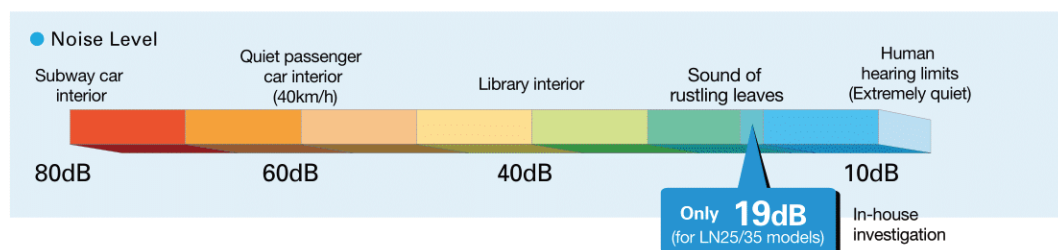


► 15°C ► 14°C ► 13°C ► 12°C ► 11°C ►



Quiet Operation

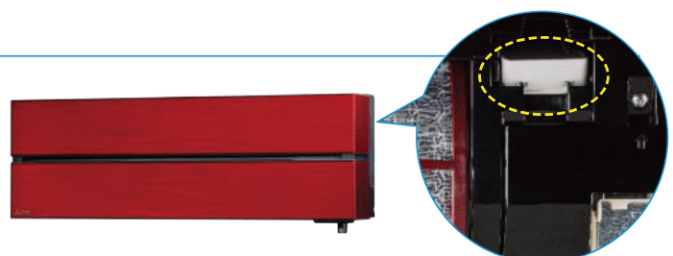
The indoor unit noise level is as low as 19dB for LN25/35 models, offering a peaceful inside environment.



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

R32 R410A PUMY



<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

R32



MUZ-LN25/35VG2



MUZ-LN50VG2



MUZ-LN60VG



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-LN60VG
Refrigerant		Single: R32 ⁽¹⁾ / Multi: R410A or R32 ⁽¹⁾				
Power Supply	Source	Outdoor Power Supply				
	Outdoor (V / Phase / Hz)	230 / Single / 50				
Cooling	Design load	kW	—	2.5	3.5	5.0
	Annual electricity consumption ⁽²⁾	kWh/a	—	83	129	205
	SEER ⁽⁴⁾	—	—	10.5	9.5	8.5
	Energy efficiency class	—	—	A+++	A+++	A+++
	Capacity	Rated	kW	2.5	3.5	5.0
Heating	Min-Max	kW	—	1.0 - 3.5	0.8 - 4.0	1.0 - 6.0
	Total Input	Rated	kW	—	0.485	0.820
	Design load	kW	—	3.0 (-10°C)	3.6 (-10°C)	4.5 (-10°C)
	Declared Capacity	at reference design temperature	kW	—	3.0 (-10°C)	3.6 (-10°C)
	at bivalent temperature	kW	—	3.0 (-10°C)	3.6 (-10°C)	4.5 (-10°C)
Heating (Average Season) ⁽³⁾	at operation limit temperature	kW	—	2.5 (-15°C)	3.2 (-15°C)	4.2 (-15°C)
	Back up heating capacity	kW	—	0.0 (-10°C)	0.0 (-10°C)	0.0 (-10°C)
	Annual electricity consumption ⁽²⁾	kWh/a	—	807	987	1369
	SCOP ⁽⁴⁾	—	—	5.2	5.1	4.6
	Energy efficiency class	—	—	A+++	A+++	A+++
Operating Current (Max)	Rated	kW	—	0.027	0.027	0.034
	Operating Current(Max)	A	—	0.3	0.3	0.4
	Dimensions	H*W*D	mm	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)	15 (W) 16 (V, R, B)
	Air Volume (SLo-Lo-Mid-Hi-SH) ⁽⁵⁾	m³/min	—	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
Indoor Unit	Heating	m³/min	—	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)	dB(A)	—	19 - 23 - 29 - 36 - 42	19 - 24 - 29 - 36 - 43	27 - 31 - 35 - 39 - 46
	Sound Level (PWL)	dB(A)	—	19 - 24 - 29 - 38 - 45	19 - 24 - 29 - 38 - 45	25 - 29 - 34 - 39 - 47
	Dimensions	H*W*D	mm	—	550-800-285	550-800-285
	Weight	kg	—	—	33	40
Outdoor Unit	Air Volume	Rated	m³/min	—	34.3	40.0
	Heating	m³/min	—	—	32.7	40.5
	Sound Level (SPL)	dB(A)	—	—	46	49
	Sound Level (PWL)	dB(A)	—	—	49	50
	Operating Current (Max)	A	—	—	6.8	9.6
Ext. Piping	Breaker Size	A	—	—	10	16
	Diameter	Liquid/Gas	mm	—	6.35/9.52	6.35/9.52
	Max.Length	Out-In	m	—	20	30
	Max.Height	Out-In	m	—	12	12
	Guaranteed Operating Range (Outdoor)	Cooling	°C	—	-10 ~ +46	-10 ~ +46
		Heating	°C	—	-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.

(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 53-55 for heating (warmer season) specifications.

MSZ-A 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-AP20/25/35VG



MSZ-AP15/20VG



MSZ-AP25/35/42/50VG



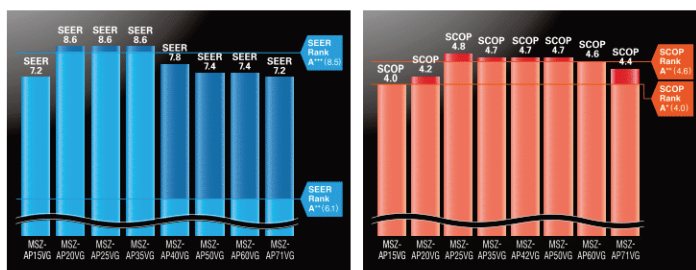
MSZ-AP60/71VG



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.



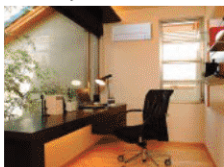
Compact and stylish

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



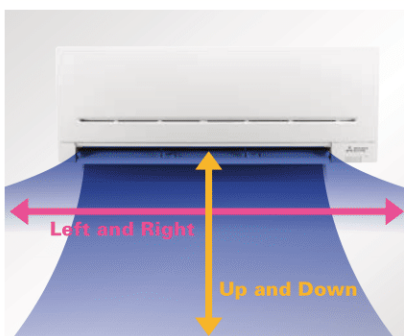
Evolved comfortable convenience function

Horizontal Airflow



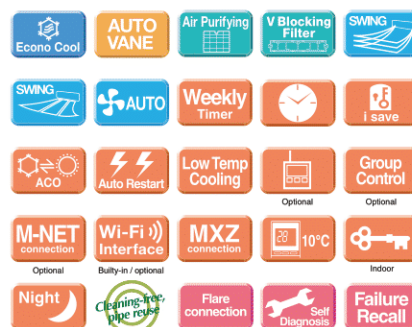
The new airflow control which spreads across the ceiling eliminates the uncomfortable drafty feeling.

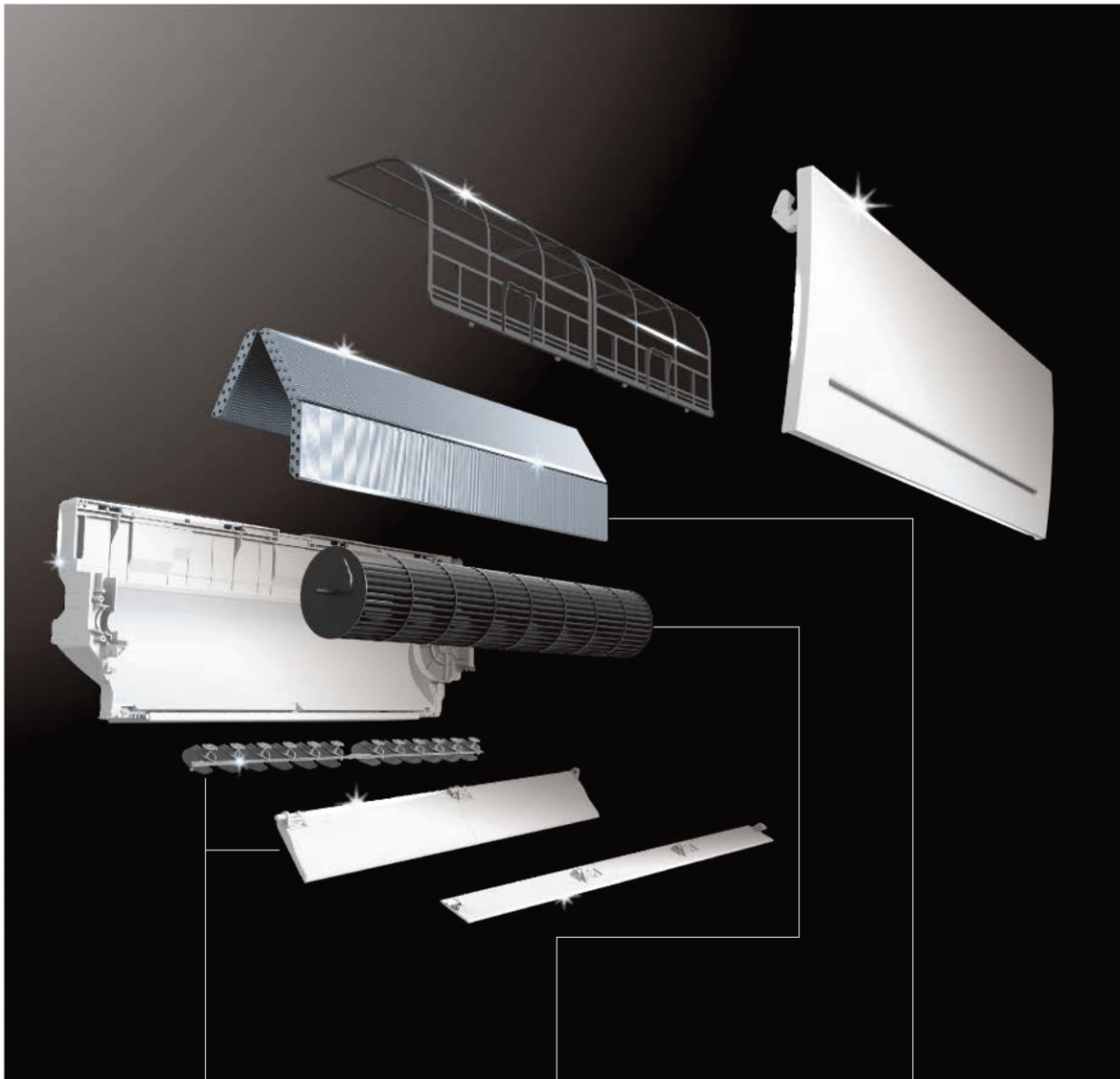
Auto Vane Control



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

The Function





Comfort

Vertical and Horizontal Vane

New vertical and horizontal vanes are double the size of the previous model, improving airflow control elaborately.

175% larger

204% larger

High Performance

Line Flow Fan

New line flow Fan is 122% larger and 108% wider than the previous model, leading to higher aerodynamic performance. Also, same sound level as the previous model.

122% larger

108% larger

High Performance

Heat Exchanger

New ø5 Heat exchanger enables to realise 32% thinner depth than the previous model. It realises low pressure loss leading to high performance.

32% Thinner

“Weekly Timer”

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.

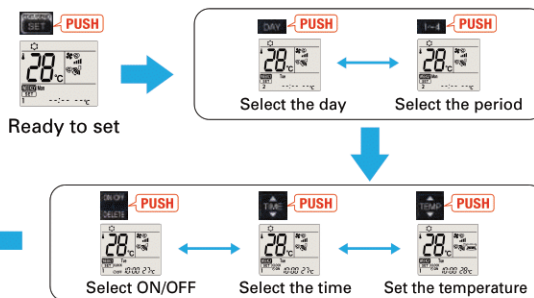
■ Easy set-up using dedicated buttons



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



How to set the Weekly Timer



- 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”

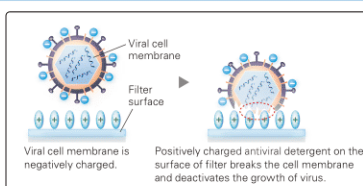
with
“Low standby power”



V Blocking
Filter

V Blocking Filter

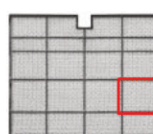
V Blocking Filter with antiviral effect inhibits 99% of adhered virus, and other harmful substances, such as bacteria, mold and allergen. Two-layered filter with non-woven fabric and electrostatic filter can effectively capture and remove small particles from the air in your room.



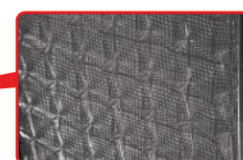
Air Purifying
Filter

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.



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

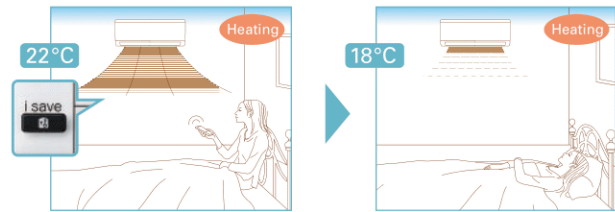


3D surface (Waved surface)

"i save" Mode



"i save" is a simplified setting function that recalls the preferred (preset) temperature by pressing a single button on the remote controller. Press the same button twice in repetition to immediately return to the previous temperature setting. Using this function contributes to comfortable, waste-free operation, realising the most suitable air conditioning settings and saving on power consumption when, for example, leaving the room or going to bed.



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

Outdoor Units for Cold Region

(MSZ-AP25/35/42/50)

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



Night Mode

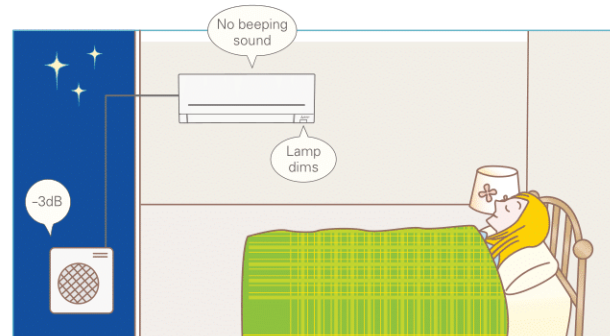
(MSZ-AP20/25/35/42/50/60/71)



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

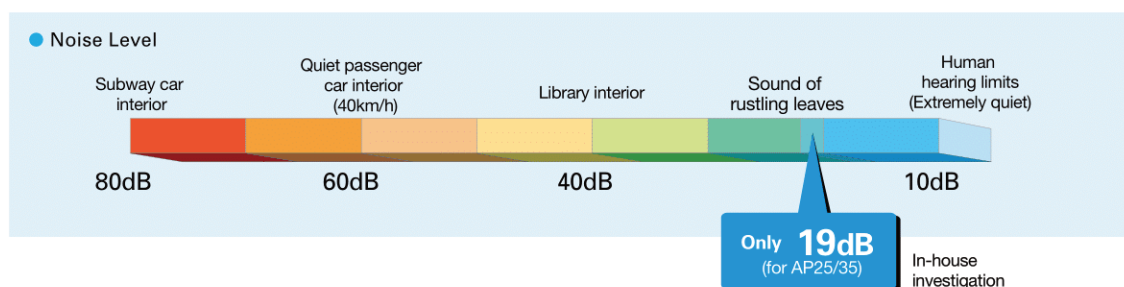
- The brightness of the operation indicator lamp will become dimmer.
- The beeping sound will be disabled.
- The outdoor operating noise will drop to 3dB lower than the rated operating noise specification.

*The cooling/heating capacity may drop.



Quiet Operation

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



Built-in Wi-Fi Interface

(MSZ-AP15/20/25/35/42/50/60/71VGK)



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-A SERIES

Indoor Unit

R32 R410A



MSZ-AP15/20VG(K)



reddot award 2018 winner

Outdoor Unit

R32



MUZ-AP15VG



MUZ-AP20VG

Remote Controller



Type		Inverter Heat Pump					
Indoor Unit		MSZ-AP15VG(K)	MSZ-AP20VG(K)	MSZ-AP25VG(K)	MSZ-AP35VG(K)	MSZ-AP35VG(K)	MSZ-AP35VG(K)
Outdoor Unit		MUZ-AP15VG	MUZ-AP20VG	MUZ-AP25VG	MUZ-AP35VG	MUZ-AP35VG	MUZ-AP35VG
Refrigerant		Single: R32 ⁽¹⁾ / Multi: R410A or R32 ⁽¹⁾					
Power Supply		Outdoor Power supply					
Outdoor (V / Phase / Hz)		230 / Single / 50					
Cooling	Design load	kW	1.5	2.0	2.5	3.5	3.5
	Annual electricity consumption ⁽²⁾	kWh/a	72	81	101	142	142
	SEER ⁽⁴⁾		7.2	8.6	8.6	8.6	8.6
	Energy efficiency class		A++	A+++	A+++	A+++	A+++
	Capacity						
Heating (Average Season) ⁽⁵⁾	Rated	kW	1.5	2.0	2.5	3.5	3.5
	Min-Max	kW	0.5-2.2	0.6-2.7	0.9-3.4	1.1-3.8	1.1-3.8
	Total Input	Rated	kW	0.370	0.460	0.600	0.990
	Design load	kW	1.6 (-10°C)	2.3 (-10°C)	2.4 (-10°C)	2.4 (-10°C)	2.9 (-10°C)
	Declared Capacity	at reference design temperature	kW	1.6 (-10°C)	2.3 (-10°C)	2.4 (-10°C)	2.9 (-10°C)
		at bivalent temperature	kW	1.6 (-10°C)	2.3 (-10°C)	2.4 (-10°C)	2.9 (-10°C)
		at operation limit temperature	kW	1.6 (-15°C)	2.2 (-15°C)	2.4 (-15°C)	2.9 (-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)
	Annual electricity consumption ⁽²⁾	kWh/a	559	766	698	703	873
	SEER ⁽⁴⁾		4.0	4.2	4.8	4.7	4.6
Indoor Unit	Energy efficiency class		A+	A+	A++	A++	A++
	Rated	kW	2.0	2.5	3.2	4.0	4.0
	Min-Max	kW	0.5-3.1	0.5-3.5	1.0-4.1	1.3-4.6	1.3-4.6
	Total Input	Rated	kW	0.500	0.600	0.780	1.030
	Operating Current (Max)	A	5.5	7.0	7.1	8.5	8.5
	Input	Rated	kW	0.017	0.019	0.026	0.026
	Operating Current (Max)	A	0.17	0.2	0.3	0.3	0.3
	Dimensions	H*W*D	mm	250-760-178	250-760-178	299-798-219	299-798-219
	Weight	kg	8.2	8.2	10.5	10.5	10.5
	Air Volume (SLo-Lo-Mid-Hi-SH) ⁽³⁾	Cooling	m³/min	3.5 - 3.9 - 4.6 - 5.5 - 6.4	3.5 - 3.9 - 4.6 - 5.5 - 6.9	4.9 - 5.9 - 7.1 - 8.7 - 11.4	4.9 - 5.9 - 7.1 - 8.7 - 11.4
Outdoor Unit		Heating	m³/min	3.7 - 4.4 - 5.0 - 6.0 - 6.8	3.7 - 4.4 - 5.0 - 6.0 - 7.3	4.9 - 5.9 - 7.3 - 8.9 - 12.9	4.9 - 5.9 - 7.3 - 8.9 - 12.9
	Sound Level (SPL)	Cooling	dB(A)	21 - 26 - 30 - 35 - 40	21 - 26 - 30 - 35 - 42	19 - 24 - 30 - 36 - 42	19 - 24 - 30 - 36 - 42
		Heating	dB(A)	21 - 26 - 30 - 35 - 40	21 - 26 - 30 - 35 - 42	19 - 24 - 34 - 39 - 45	19 - 24 - 31 - 38 - 45
	Sound Level (PWL)	Cooling	dB(A)	59	60	57	57
	Dimensions	H*W*D	mm	538-699-249	550-800-285	550-800-285	550-800-285
	Weight	kg	23	31	31	31	31
	Air Volume	Cooling	m³/min	26	32.2	32.2	32.2
		Heating	m³/min	21	29.8	29.8	33.8
	Sound Level (SPL)	Cooling	dB(A)	50	47	47	49
		Heating	dB(A)	50	48	48	50
Ext. Piping	Sound Level (PWL)	Cooling	dB(A)	63	59	59	61
	Operating Current (Max)	A	5.3	6.8	6.8	8.2	8.2
	Breaker Size	A	10	10	10	10	10
	Diameter	Liquid/Gas	mm	6.35 / 9.52	6.35 / 9.52	6.35 / 9.52	6.35 / 9.52
	Max.Length	Out-In	m	20	20	20	20
Guaranteed Operating Range (Outdoor)	Max.Height	Out-In	m	12	12	12	12
	Guaranteed Operating Range (Outdoor)	Cooling	°C	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46
		Heating	°C	-15 ~ +24	-15 ~ +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.

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

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

(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 53-55 for heating (warmer season) specifications.

MSZ-A SERIES



Indoor Unit

R32 R410A

*VGK model Wi-Fi Interface built-in.



MSZ-AP25/35/42/50VG(K)



MSZ-AP60/71VG(K)

Outdoor Unit

R32



MUZ-AP25/35/42VG(H)



MUZ-AP50VG(H)/60VG



MUZ-AP71VG

Remote Controller



Type			Inverter Heat Pump							
Indoor Unit			MSZ-AP42VG(K)	MSZ-AP42VG(K)	MSZ-AP50VG(K)	MSZ-AP50VG(K)	MSZ-AP60VG(K)	MSZ-AP71VG(K)		
Outdoor Unit			MUZ-AP42VG	MUZ-AP42VGH	MUZ-AP50VG	MUZ-AP50VGH	MUZ-AP60VG	MUZ-AP71VG		
Refrigerant			Single: R32 ⁽¹⁾ / Multi: R410A or R32 ⁽¹⁾				Single: R32 ⁽¹⁾ / Multi: R32 ⁽¹⁾			
Power Source			Outdoor Power supply							
Supply	Outdoor (V / Phase / Hz)		230 / Single / 50							
Cooling	Design load	kW	4.2	4.2	5.0	5.0	6.1	7.1		
	Annual electricity consumption ⁽²⁾	kWh/a	188	188	236	236	288	345		
	SEER ⁽⁴⁾		7.8	7.8	7.4	7.4	7.4	7.2		
	Energy efficiency class		A++	A++	A++	A++	A++	A++		
		Rated	kW	4.2	4.2	5.0	5.0	6.1	7.1	
Capacity	Min-Max	kW	0.9-4.5	0.9-4.5	1.4-5.4	1.4-5.4	1.4-7.3	2.0-8.7		
Total Input	Rated	kW	1.300	1.300	1.550	1.550	1.590	2.010		
Heating (Average Season) ⁽³⁾	Design load	kW	3.8 (-10°C)	3.8 (-10°C)	4.2 (-10°C)	4.2 (-10°C)	4.6 (-10°C)	6.7 (-10°C)		
	Declared Capacity	at reference design temperature	kW	3.8 (-10°C)	3.8 (-10°C)	4.2 (-10°C)	4.2 (-10°C)	4.6 (-10°C)	6.7 (-10°C)	
		at bivalent temperature	kW	3.8 (-10°C)	3.8 (-10°C)	4.2 (-10°C)	4.2 (-10°C)	4.6 (-10°C)	6.7 (-10°C)	
		at operation limit temperature	kW	4.2 (-15°C)	3.8 (-20°C)	4.7 (-15°C)	4.2 (-20°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)	0.0 (-10°C)	0.0 (-10°C)		
	Annual electricity consumption ⁽²⁾	kWh/a	1120	1134	1250	1275	1398	2132		
	SCOP ⁽⁴⁾		4.7	4.6	4.7	4.6	4.6	4.4		
	Energy efficiency class		A++	A++	A++	A++	A++	A+		
		Rated	kW	5.4	5.4	5.8	5.8	6.8	8.1	
	Capacity	Min-Max	kW	1.3-6.0	1.3-6.0	1.4-7.3	1.4-7.3	2.0-8.6	2.2-10.3	
Total Input	Rated	kW	1,490	1,490	1,600	1,600	1,670	2,120		
Operating Current (Max)		A	9.9	9.9	13.6	13.6	14.1	16.4		
Indoor Unit	Input	Rated	kW	0.032	0.032	0.032	0.032	0.049	0.045	
	Operating Current (Max)	A	0.3	0.3	0.3	0.3	0.5	0.4		
	Dimensions	H*W*D	mm	299-798-219	299-798-219	299-798-219	299-798-219	325-1100-257	325-1100-257	
	Weight	kg	10.5	10.5	10.5	10.5	16.0	17.0		
	Air Volume (SLo-Lo-Mid-Hi-SH ⁽¹⁾)	Cooling	m³/min	5.4 - 6.5 - 7.7 - 9.3 - 11.4	5.4 - 6.5 - 7.7 - 9.3 - 11.4	6.0 - 7.2 - 8.4 - 10.0 - 12.6	6.0 - 7.2 - 8.4 - 10.0 - 12.6	9.4 - 11.0 - 13.2 - 16.0 - 18.9	9.6 - 11.5 - 13.2 - 15.3 - 18.6	
		Heating	m³/min	5.3 - 6.1 - 7.7 - 9.4 - 14.0	5.3 - 6.1 - 7.7 - 9.4 - 14.0	5.6 - 6.5 - 8.2 - 10.0 - 14.0	5.6 - 6.5 - 8.2 - 10.0 - 14.0	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-SH ⁽¹⁾)	Cooling	dB(A)	21 - 29 - 34 - 38 - 42	21 - 29 - 34 - 38 - 42	28 - 33 - 36 - 40 - 44	28 - 33 - 36 - 40 - 44	29 - 37 - 41 - 45 - 48	30 - 37 - 41 - 45 - 49	
		Heating	dB(A)	21 - 29 - 35 - 40 - 45	21 - 29 - 35 - 40 - 45	28 - 33 - 38 - 43 - 48	28 - 33 - 38 - 43 - 48	30 - 37 - 41 - 45 - 48	30 - 37 - 41 - 45 - 51	
	Sound Level (PWL)	Cooling	dB(A)	57	57	58	58	65	65	
		Heating	dB(A)	57	57	58	58	65	65	
Dimensions	H*W*D	mm	550-800-285	550-800-285	714-800-285	714-800-285	714-800-285	880-840-330		
Weight	kg	35	35	40	40	40	55			
Outdoor Unit	Air Volume	Cooling	m³/min	30.4	30.4	40.5	40.5	52.1	54.1	
		Heating	m³/min	32.7	32.7	40.5	40.5	52.1	47.9	
	Sound Level (SPL)	Cooling	dB(A)	50	50	52	52	56	56	
		Heating	dB(A)	51	51	52	52	57	55	
	Sound Level (PWL)	Cooling	dB(A)	61	61	64	64	69	69	
		Heating	dB(A)	61	61	64	64	69	69	
	Operating Current (Max)	A	9.6	9.6	13.3	13.3	13.6	16.0		
Breaker Size	A	10	10	16	16	16	20			
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	-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) 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) Please see page 53-55 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



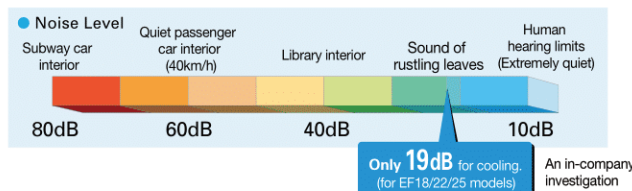
All models in the series have achieved high energy-savings rating, and are contributing to reduced energy consumption in homes, offices and a range of other settings. Offered in a variety of output capacities and installation patterns, the vast applicability promises an ideal match for any user.

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

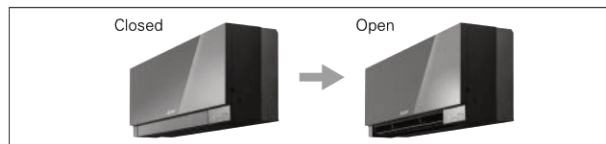
Quiet Comfort All Day Long

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.

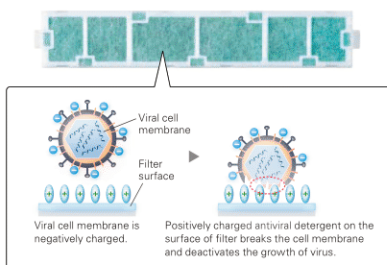


V Blocking Filter



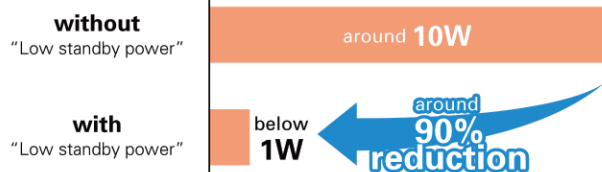
V Blocking Filter with antiviral effect inhibits 99% of adhered virus, and other harmful substances, such as bacteria, mold and allergen.

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



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



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



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

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



White



Silver



Black



reddot award 2015 winner

Outdoor Unit

R32



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



MUZ-EF50VG



Type									
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)
Outdoor Unit		for MXZ connection		MUZ-EF25VG	MUZ-EF25VG(H)	MUZ-EF35VG	MUZ-EF35VG(H)	MUZ-EF42VG	MUZ-EF50VG
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
	Annual electricity consumption ⁽²⁾	kWh/a	-	-	96	96	139	139	186
	SEER ⁽⁴⁾		-	-	9.1	9.1	8.8	8.8	7.9
	Energy efficiency class		-	-	A+++	A+++	A+++	A+++	A++
	Capacity								
Heating	Rated	kW	-	-	2.5	2.5	3.5	3.5	4.2
	Min-Max	kW	-	-	0.9-3.4	0.9-3.4	1.1-4.0	1.1-4.0	0.9-4.6
	Total Input	Rated	kW	-	0.540	0.540	0.910	0.910	1.200
	Design load	kW	-	-	2.4 (-10°C)	2.4 (-10°C)	2.9 (-10°C)	2.9 (-10°C)	3.8 (-10°C)
	Declared Capacity								
Heating (Average Season) ⁽³⁾	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)
	Annual electricity consumption ⁽²⁾	kWh/a	-	-	713	727	882	900	1151
Operating Current (Max)	SCOP ⁽⁴⁾		-	-	4.7	4.6	4.6	4.5	4.6
	Energy efficiency class		-	-	A++	A++	A++	A++	A+
	Capacity								
	Rated	kW	-	-	3.2	3.2	4.0	4.0	5.8
	Min-Max	kW	-	-	1.0-4.2	1.0-4.2	1.3-5.1	1.3-5.1	1.4-7.5
Indoor Unit	Total Input	Rated	kW	-	0.700	0.700	0.950	0.950	1.560
	Operating Current (Max)	A	-	-	7.1	7.1	7.1	7.1	10.0
	Input	Rated	kW	0.026	0.026	0.026	0.030	0.030	0.043
	Operating Current (Max)	A	0.3	0.3	0.3	0.3	0.3	0.3	0.4
	Dimensions	H*W*D	mm	299-885-195	299-885-195	299-885-195	299-885-195	299-885-195	299-885-195
Outdoor Unit	Weight	kg	11.5	11.5	11.5	11.5	11.5	11.5	11.5
	Air Volume								
	Coiling	m³/min	40-46-63-83-105	40-46-63-83-105	40-46-63-83-105	40-46-63-83-105	40-46-63-83-105	58-66-77-89-112	58-68-79-92-113
	Heating	m³/min	40-46-62-89-119	40-46-62-89-119	40-46-62-89-119	40-46-62-89-119	40-46-62-89-127	55-63-78-99-132	64-72-90-111-146
	Sound Level (SPL)								
Ext. Piping	Coiling	dB(A)	19-23-29-36-42	19-23-29-36-42	19-23-29-36-42	19-23-29-36-42	21-24-30-36-42	21-24-30-36-42	28-31-35-39-43
	Heating	dB(A)	21-24-29-37-45	21-24-29-37-45	21-24-29-37-45	21-24-29-37-45	21-24-30-38-46	21-24-30-38-46	30-33-36-40-43
	Sound Level (PWL)								
	Coiling	dB(A)	60	60	60	60	60	60	60
	Heating	dB(A)	-	-	-	-	-	-	-
Guaranteed Operating Range (Outdoor)	Dimensions	H*W*D	mm	-	550-800-285	550-800-285	550-800-285	550-800-285	714-800-285
	Weight	kg	-	-	31	31	34	35	40
	Air Volume								
	Coiling	m³/min	-	-	27.8	27.8	34.3	34.3	40.2
	Heating	m³/min	-	-	29.8	29.8	32.7	32.7	40.2
Breaker Size	Sound Level (SPL)								
	Coiling	dB(A)	-	-	47	47	49	49	50
	Heating	dB(A)	-	-	48	48	50	50	52
	Sound Level (PWL)								
	Coiling	dB(A)	-	-	58	58	62	62	65
Diameter	Operating Current (Max)	A	-	-	6.8	6.8	6.8	6.8	9.6
	Breaker Size	A	-	-	10	10	10	10	16
	Diameter	Liquid/Gas	mm	-	6.35 / 9.52	6.35 / 9.52	6.35 / 9.52	6.35 / 9.52	6.35 / 9.52
	Max.Length	Out-In	m	-	20	20	20	20	30
	Max.Height	Out-In	m	-	12	12	12	12	15
Guaranteed Operating Range (Outdoor)	Coiling	°C	-	-	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46
	Heating	°C	-	-	-15 ~ +24	-20 ~ +24	-15 ~ +24	-20 ~ +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.

(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 53-55 for heating (warmer season) specifications.

MSZ-BT20/25/35/50VG(K)



MSZ-BT SERIES

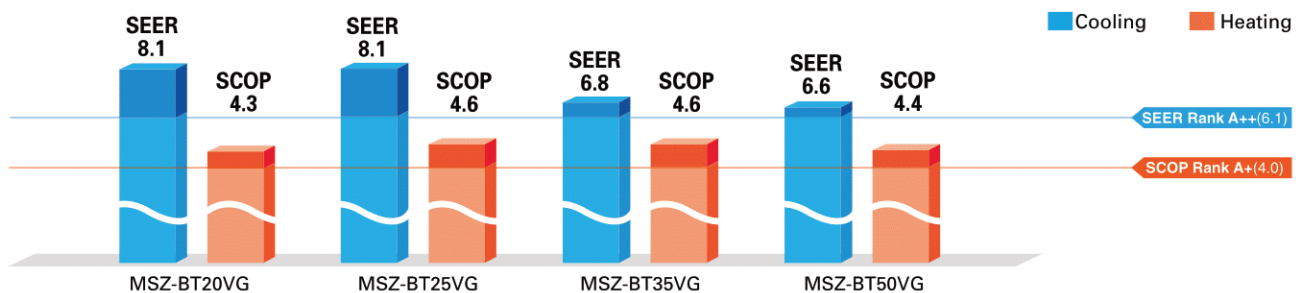
The BT series featured with its high performance, energy efficiency, and simplicity of use brings greater comfort to your room.



High Energy Efficiency for Entire Range of Series

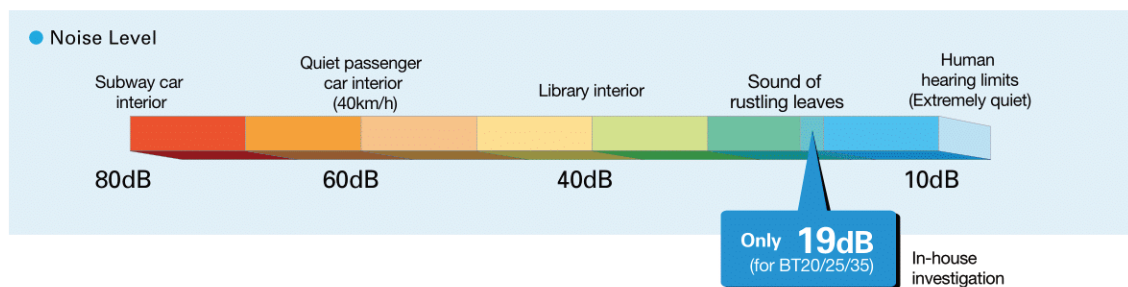


All models in the series, from the low-capacity 20 to the high-capacity 50, have achieved the "Rank A++" for SEER and size 25 and 35 have achieved the "Rank A++" for SCOP as energy-savings rating. For home use, such as in bedrooms and living rooms, to light commercial use, such as in offices, our air conditioners are contributing to reduced energy consumption in a wide range.



Quiet Operation

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



New Remote Controller

New stylish and compact remote controller features easy-read big display and simple button position with fundamental functions.



Built-in Wi-Fi Interface

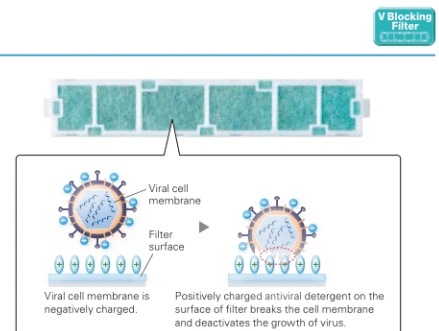
(MSZ-BT20/25/35/50VG(K))



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.

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.





R32



MSZ-BT20/25/35/50VG(K)

Outdoor Unit



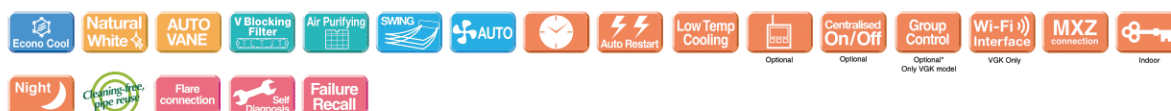
MUZ-BT20VG



MUZ-BT25/35VG



MUZ-BT50VG

Remote
Controller

Type			Inverter Heat Pump				
Indoor Unit			MSZ-BT20VG(K)	MSZ-BT25VG(K)	MSZ-BT35VG(K)	MSZ-BT50VG(K)	
Outdoor Unit			MUZ-BT20VG	MUZ-BT25VG	MUZ-BT35VG	MUZ-BT50VG	
Refrigerant			R32 ⁽¹⁾				
Power Supply	Source		Outdoor Power supply				
	Outdoor (V / Phase / Hz)		230V/Single/50Hz				
Cooling	Design load	kW	2.0	2.5	3.5	5.0	
	Annual electricity consumption ⁽²⁾	kWh/a	86	108	180	265	
	SEER ⁽⁴⁾		8.1	8.1	6.8	6.6	
	Capacity	Energy efficiency class	A++	A++	A++	A++	
		Rated	kW	2.0	2.5	3.5	5.0
		Min-Max	kW	0.5-2.9	0.5-3.0	0.9-3.5	1.3-5.0
	Total Input	Rated	kW	0.450	0.700	1.240	2.050
Heating (Average Season) ⁽³⁾	Design load	kW	1.5 (-10°C)	1.9 (-10°C)	2.4 (-10°C)	3.8 (-10°C)	
	Declared Capacity	at reference design temperature	kW	1.5 (-10°C)	1.9 (-10°C)	2.4 (-10°C)	3.8 (-10°C)
		at biivalent temperature	kW	1.5 (-10°C)	1.9 (-10°C)	2.4 (-10°C)	3.8 (-10°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 (-10°C)	0.0 (-10°C)	0.0 (-10°C)	0.0 (-10°C)	
	Annual electricity consumption ⁽²⁾	kWh/a	487	577	727	1209	
	SCOP ⁽⁴⁾		4.3	4.6	4.6	4.4	
	Capacity	Energy efficiency class	A+	A++	A++	A+	
		Rated	kW	2.5	3.15	3.6	5.4
		Min-Max	kW	0.7-3.2	0.7-3.5	0.9-4.1	1.4-6.5
	Total Input	Rated	kW	0.550	0.750	0.930	1.550
Operating Current (Max)			A	5.6	7.0	10.0	
Indoor Unit	Input	Rated	kW	0.024	0.024	0.031	0.037
	Operating Current(Max)	A	0.25	0.25	0.31	0.35	
	Dimensions	H*W*D	mm	280-838-235	280-838-235	280-838-235	280-838-235
	Weight		kg	9	9	9	9
	Air Volume (Lo-Mid-Hi-SH ⁽⁵⁾)	Cooling	m³/min	4.2 - 5.2 - 6.8 - 8.7 - 10.9	4.2 - 5.2 - 6.8 - 8.7 - 10.9	4.2 - 5.2 - 6.8 - 8.7 - 13.2	6.3 - 7.6 - 9.0 - 11.0 - 13.2
		Heating	m³/min	4.2 - 5.0 - 6.8 - 9.0 - 11.9	4.2 - 5.0 - 6.8 - 9.0 - 11.9	4.2 - 5.0 - 6.8 - 9.0 - 11.9	6.0 - 7.8 - 9.9 - 11.9 - 14.1
	Sound Level (SPL) (Lo-Mid-Hi-SH ⁽⁵⁾)	Cooling	dB(A)	19 - 22 - 30 - 37 - 43	19 - 22 - 30 - 37 - 43	19 - 22 - 31 - 38 - 46	29 - 33 - 36 - 40 - 46
		Heating	dB(A)	20 - 23 - 30 - 37 - 43	20 - 23 - 30 - 37 - 43	20 - 23 - 30 - 37 - 44	29 - 33 - 38 - 43 - 48
Sound Level (PWL)	Cooling	dB(A)	57	57	60	60	
Dimensions	H*W*D	mm	538-699-249	538-699-249	538-699-249	550-800-285	
Outdoor Unit	Weight		kg	23	24	25	35
	Air Volume	Cooling	m³/min	30.3	32.2	32.2	30.4
		Heating	m³/min	30.3	32.2	34.6	32.7
	Sound Level (SPL)	Cooling	dB(A)	50	50	52	50
		Heating	dB(A)	50	50	52	51
	Sound Level (PWL)	Cooling	dB(A)	63	63	64	64
		Heating	dB(A)	63	63	64	64
	Operating Current (Max)	A	5.3	6.7	6.7	9.6	
Breaker Size	A	10	10	10	12		
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	20	20
	Max.Height	Out-In	m	12	12	12	12
Guaranteed Operating Range (Outdoor)	Cooling	°C	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46	
	Heating	°C	-15 ~ +24	-15 ~ +24	-15 ~ +24	-15 ~ +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 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.

(*)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 53-55 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)



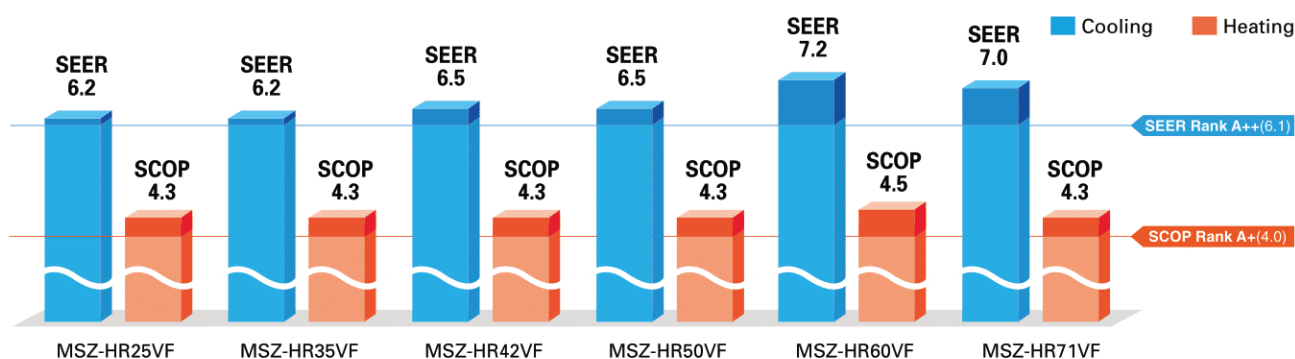
MSZ-HR60/71VF(K)



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

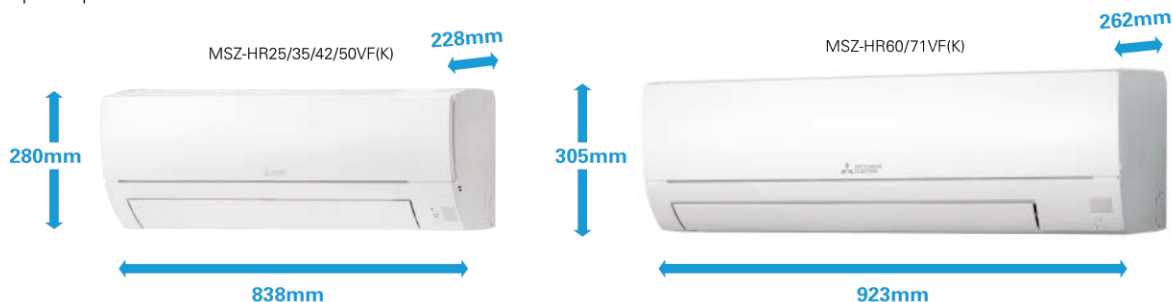


All models in the series, from capacity 25 to 71, have achieved the "Rank A++" for SEER and "Rank A+" for SCOP as energy-savings rating, thanks to Mitsubishi Electric's inverter technologies which are adopted to provide automatic adjustment of operation load according to need.



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

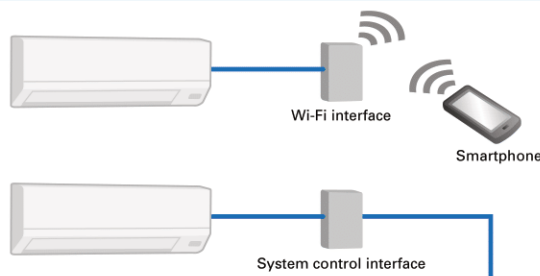
Wi-Fi Interface (Built-in) *Only V GK model

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.

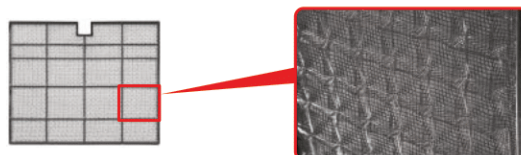
*Wi-Fi Interface and System Control Interface cannot be used simultaneously.



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

R32



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



MSZ-HR60/71VF(K)

Outdoor Unit



MUZ-HR25VF



MUZ-HR35VF

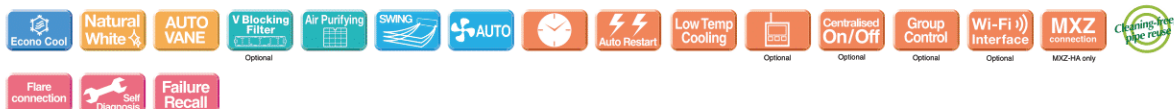


MUZ-HR42/50VF



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	Source				Outdoor Power supply				
	Outdoor (V / Phase / Hz)				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	
	Energy efficiency class		A++	A++	A++	A++	A++	A++	
		Capacity	Rated	kW	2.5	3.4	4.2	5.0	6.1
		Min-Max	kW	0.5-2.9	0.9-3.4	1.1-4.6	1.3-5.0	1.7-7.1	1.8-7.3
Heating (Average Season) ⁽³⁾	Total Input	Rated	kW	0.800	1.210	1.340	2.050	1.810	2.330
	Design load	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)	
	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)	SCOP ⁽⁴⁾		4.3	4.3	4.3	4.3	4.5	4.3	
	Energy efficiency class		A+	A+	A+	A+	A+	A+	
		Capacity	Rated	kW	3.15	3.6	4.7	5.4	6.8
		Min-Max	kW	0.7-3.5	0.9-3.7	0.9-5.4	1.4-6.5	1.5-9.0	
	Total Input	Rated	kW	0.850	0.975	1.300	1.550	1.810	2.440
	Input	Rated	kW	0.020	0.028	0.032	0.039	0.055	0.055
Indoor Unit	Operating Current(Max)	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 ⁽⁵⁾)	Cooling	m³/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	m³/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 ⁽⁵⁾)	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
Outdoor Unit		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
	Dimensions	H*W*D	mm	538-699-249	538-699-249	550-800-285	550-800-285	714-800-285	714-800-285
	Weight	kg	23	24	34	35	40	40	
	Air Volume	Cooling	m³/min	30.3	32.2	30.4	30.4	42.8	42.8
		Heating	m³/min	30.3	32.2	32.7	32.7	48.3	48.3
Ext. Piping	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
	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	
	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	m	12	12	12	12	15	15	
		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.

(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 53-55 for heating (warmer season) specifications.

MSZ-DW SERIES

Introducing an indoor unit that is compact yet packed with a variety of features.

High energy saving performance and Air Purifying Filter bring you a comfortable indoor environment.

MSZ-DW25/35/50VF

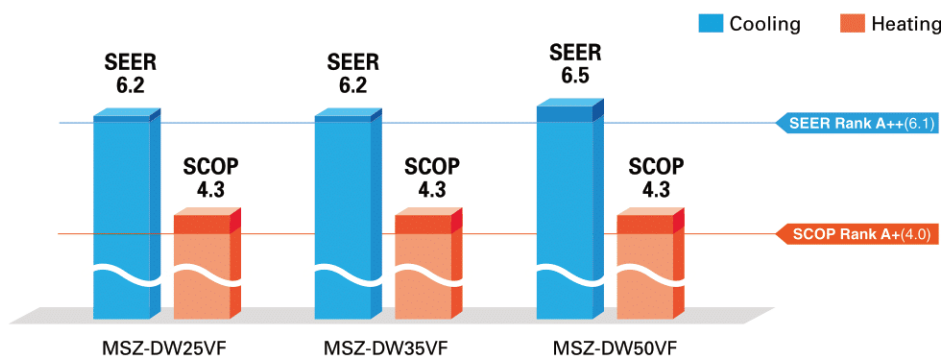
R32



Energy Saving



Mitsubishi Electric's inverter technologies are adopted to provide automatic adjustment of operation load according to need. This reduces excessive consumption of electricity, and thereby realises Energy Rank "A++" for SEER (cooling) and "A+" for SCOP (heating).



Simple and Compact Design

The stylish design makes it a natural match for any room. The width of indoor units is compact, making installation in smaller, tighter spaces possible.



Simple Control

The simple remote controller and functions provide the easy control solution and comforts of life.



Wi-Fi and System Control

Wi-Fi Interface (Optional)

Optional interface and a Cloud-based solution "MELCloud" enable users to control air conditioners and check operating status via devices such as laptops, tablets and smartphones.

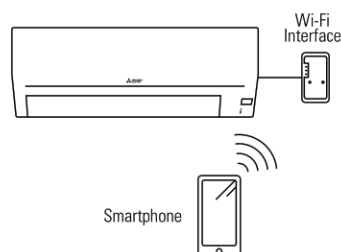
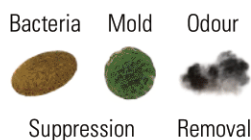
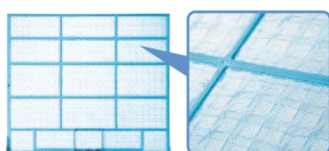
System Control Interface (Optional)

- 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.

Air Purifying Filter



Air Purifying Filter generates stable antibacterial, antifungal, and deodorant effects. The three-dimensional surface expands the filter's capture area and contributes to the better dust collection performance than conventional filters.



MSZ-DW SERIES



Indoor Unit

R32



MSZ-DW25/35/50VF

Outdoor Unit



MUZ-DW25VF

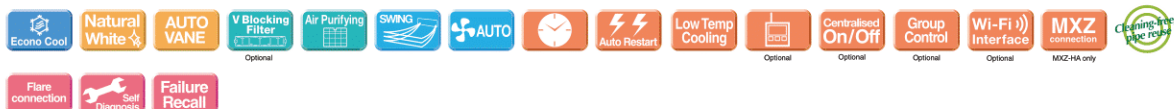


MUZ-DW35VF



MUZ-DW50VF

Remote Controller



Type	Inverter Heat Pump			
Indoor Unit	MSZ-DW25VF	MSZ-DW35VF	MSZ-DW50VF	
Outdoor Unit	MUZ-DW25VF	MUZ-DW35VF	MUZ-DW50VF	
Refrigerant	R32 ⁽¹⁾			
Power Supply	Outdoor Power supply 230V/Single/50Hz			
Cooling	Design load	kW	2.5	3.4
	Annual electricity consumption ⁽²⁾	kWh/a	135	184
	SEER ⁽⁴⁾		6.2	6.5
	Energy efficiency class		A++	A++
	Capacity	kW	2.5	3.4
Heating	Design load	kW	1.9 (-10°C)	2.4 (-10°C)
	Declared Capacity	kW	1.9 (-10°C)	2.4 (-10°C)
	Back up heating capacity	kW	0.0 (-10°C)	0.0 (-10°C)
	Annual electricity consumption ⁽²⁾	kWh/a	618	781
	SCOP ⁽⁴⁾		4.3	4.3
Operating Current (Max)	Input	kW	0.023	0.028
	Operating Current(Max)	A	0.24	0.29
	Dimensions	H*W*D	290-799-232	290-799-232
	Weight	kg	9	10
	Air Volume (Lo-Mid-Hi-SH) ⁽³⁾	m³/min	3.6 - 5.6 - 7.5 - 9.9	3.6 - 5.8 - 8.1 - 11.3
Indoor Unit	Sound Level (SPL)	dB(A)	21 - 30 - 37 - 43	22 - 31 - 38 - 46
	Sound Level (PWL)	dB(A)	57	60
	Dimensions	H*W*D	538-699-249	538-699-249
	Weight	kg	23	24
	Air Volume	m³/min	30.3	32.2
Outdoor Unit	Sound Level (SPL)	dB(A)	50	51
	Sound Level (PWL)	dB(A)	63	64
	Operating Current (Max)	A	5.3	7.0
	Breaker Size	A	10	12
	Diameter	mm	6.35 / 9.52	6.35 / 9.52
Ext. Piping	Max.Length	m	20	20
	Max.Height	m	12	12
	Guaranteed Operating Range (Outdoor)	°C	-10 ~ +46	-10 ~ +46

(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.

(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 53-55 for heating (warmer season) specifications.

MSY-TP_{SERIES}

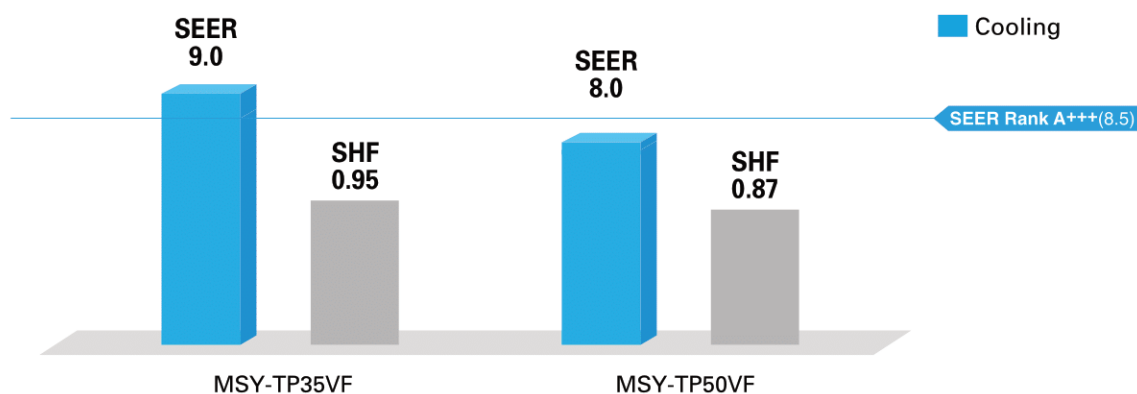
Cooling only model with high-performance provide high SHF in various environments thanks to wide operation range.

R32

MSY-TP35/50VF

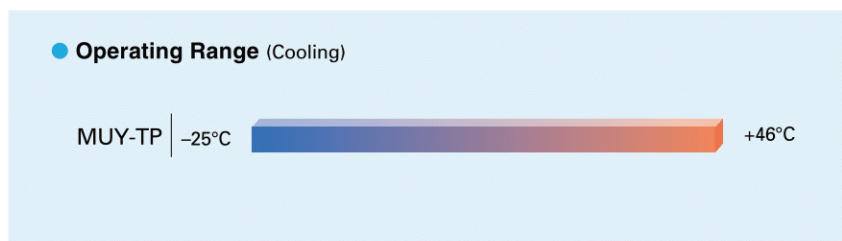


High Energy-Saving Performance with High SHF



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

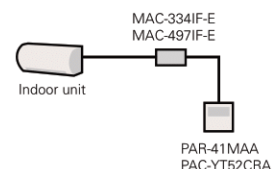
R32



MUY-TP35/TP50VF

Remote Controller

- Wired remote controller can be connected to indoor unit.



Type				Inverter Heat Pump	
Indoor Unit				MSY-TP35VF	
Outdoor Unit				MUY-TP35VF	
Refrigerant				R32 ⁽¹⁾	
Power Supply				Indoor Power supply	
Source				230V / Single / 50Hz	
Outdoor (V / Phase / Hz)					
Cooling	Design load		kW	3.5	
	Annual electricity consumption ⁽²⁾		kWh/a	136	
	SEER ⁽⁴⁾			9.0	
	Energy efficiency class			A+++	
	Capacity		kW	3.5	
	Total Input		kW	0.760	
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⁾			-	
	Energy efficiency class			-	
	Capacity	Rated	kW	-	
		Min-Max	kW	-	
Total Input		Rated	kW	-	
Operating Current (Max)				A	
Indoor Unit	Input		Rated	kW	0.033
	Operating Current (Max)			A	0.4
	Dimensions		H*W*D	mm	305-923-250
	Weight			kg	12.5
	Air Volume (Lo-Mid-Hi-SH ⁽³⁾)	Cooling	m³/min	10.1 - 11.6 - 13.7 - 16.4	
		Heating	m³/min	-	
	Sound Level (SPL) (Lo-Mid-Hi-SH ⁽³⁾)	Cooling	dB(A)	31 - 36 - 40 - 45	
		Heating	dB(A)	-	
	Sound Level (PWL)	Cooling	dB(A)	60	
				10	
Breaker Size			A	10	
Outdoor Unit	Dimensions		H*W*D	mm	550-800-285
	Weight			kg	34
	Air Volume	Cooling	m³/min	29.3	
		Heating	m³/min	-	
	Sound Level (SPL)	Cooling	dB(A)	45	
		Heating	dB(A)	-	
	Sound Level (PWL)	Cooling	dB(A)	58	
				61	
	Operating Current (Max)			A	9.2
Ext. Piping	Diameter		Liquid/Gas	mm	6.35/9.52
	Max.Length		Out-In	m	20
	Max.Height		Out-In	m	12
Guaranteed Operating Range (Outdoor)	Cooling		°C	-25 ~ +46	
	Heating		°C	-	

(*) 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.

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

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

(4) SHi: Super High

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

MSZ-F SERIES



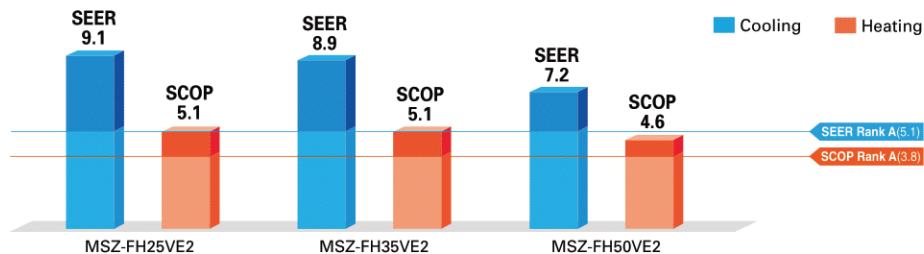
The F Series is designed for optimum cooling/heating performance as well as operational comfort. Quiet, energy-saving operation is supported by some of Mitsubishi Electric's latest technologies. Advanced functions such as "3D i-see Sensor" temperature control and the Plasma Quad air purification system raise room comfort levels to new heights.



High Energy Efficiency



Power consumption has been reduced for the cooling and heating modes thanks to the incorporation of our newest inverter technologies. The high energy efficiency of the Size 25 units has obtained a rating of more than 5.0 for both seasonal coefficient of performance (SCOP) and seasonal energy efficiency rating (SEER).



3D i-see Sensor

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



Absence Detection

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.



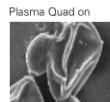
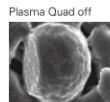
The "3D i-see Sensor" detects people's absence and the power consumption is automatically reduced approximately 10% after 10 minutes and 20% after 60 minutes.

Plasma Quad

Air, like water, is something we use everyday unconsciously. Yet, clean, fresh air is a vital part of creating a healthy space for humans. Achieving this healthy air is Plasma Quad, a plasma-based filter system that effectively removes four kinds of air pollutants; namely, bacteria, viruses, allergens and dust, which the air contains countless particles of.

Bacteria

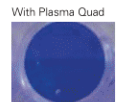
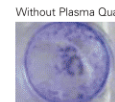
Test results have confirmed that Plasma Quad neutralizes 99% of bacteria in 115 minutes in a 25m³ test space.



<Test No.> KRCEs-Bio.Test Report No.23_0317

Viruses

Test results have confirmed that Plasma Quad neutralizes 99% of virus particles in 65 minutes in a 25m³ test space.



* Hepatic cells turn transparent when affected by a virus.
<Test No.> vrc.center, SMC No.23-002

Effective deodorising using the air-purifying filter

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 neutralizes 94% of cat fur and 98% of pollen.

<Test No.> ITEA No.12M-RPTFEB022

Dust

In a test, air containing dust and ticks was passed through the air cleaning device at the low airflow setting. Before and after measurements confirm that Plasma Quad removes 88.6% of dust and ticks.

<Test No.> ITEA No.12M-RPTFEB022

(Image)

MSZ-F SERIES



Indoor Unit

R410A



MSZ-FH25/35/50VE2

Outdoor Unit

R410A



MUZ-FH25/35VE



MUZ-FH50VE

Remote Controller



Type		Inverter Heat Pump			
Indoor Unit		MSZ-FH25VE2	MSZ-FH35VE2	MSZ-FH50VE2	
Outdoor Unit		MUZ-FH25VE	MUZ-FH35VE	MUZ-FH50VE	
Refrigerant		R410A ⁽¹⁾			
Power Supply	Source	Outdoor Power supply			
	Outdoor (V / Phase / Hz)	230/Single/50			
Cooling	Design load	kW	2.5	3.5	5.0
	Annual electricity consumption ⁽²⁾	kWh/a	96	138	244
	SEER ⁽⁴⁾		9.1	8.9	7.2
	Energy efficiency class		A+++	A+++	A++
	Capacity				
	Rated	kW	2.5	3.5	5.0
	Min-Max	kW	1.4-3.5	0.8-4.0	1.9-6.0
	Total Input	Rated	kW	0.485	0.820
	Rated	kW	0.485	0.820	1.380
Heating (Average Season) ⁽³⁾	Design load	kW	3.0(-10°C)	3.6(-10°C)	4.5(-10°C)
	Declared Capacity	at reference design temperature	kW	3.0(-10°C)	4.5(-10°C)
		at bivalent temperature	kW	3.0(-10°C)	4.5(-10°C)
		at operation limit temperature	kW	2.5(-15°C)	3.2(-15°C)
	Back up heating capacity	kW	0.0(-10°C)	0.0(-10°C)	0.0(-10°C)
	Annual electricity consumption ⁽²⁾	kWh/a	819	986	1372
	SEER ⁽⁴⁾		5.1	5.1	4.6
	Energy efficiency class		A+++	A+++	A++
	Capacity				
	Rated	kW	3.2	4.0	6.0
Indoor Unit	Min-Max	kW	1.8-5.5	1.0-6.3	1.7-8.7
	Total Input	Rated	kW	0.580	0.800
	Rated	kW	0.580	0.800	1.480
	Operating Current (Max)	A	9.6	10.0	14.0
	Input	Rated	kW	0.029	0.031
	Operating Current(Max)	A	0.4	0.4	0.4
	Dimensions	H*W*D	mm	305(+17)-925-234	305(+17)-925-234
	Weight	kg	13.5	13.5	13.5
	Air Volume	Cooling	m ³ /min	3.9-4.7-6.3-8.6-11.6	6.4-7.4-8.6-10.1-12.4
	(SLo-Lo-Mid-Hi-SH ⁽⁵⁾)	Heating	m ³ /min	4.0-4.7-6.4-9.2-13.2	5.7-7.2-9.0-11.2-14.6
Outdoor Unit	Sound Level (SPL)	Cooling	dB(A)	20-23-29-36-42	27-31-35-39-44
	(SLo-Lo-Mid-Hi-SH ⁽⁵⁾)	Heating	dB(A)	20-24-29-36-44	25-29-34-39-46
	Sound Level (PWL)	Cooling	dB(A)	58	60
	Heating	dB(A)	58	60	64
	Dimensions	H*W*D	mm	550-800-285	550-800-285
	Weight	kg	37	37	55
	Air Volume	Cooling	m ³ /min	31.3	33.6
	Heating	m ³ /min	31.3	33.6	51.3
	Sound Level (SPL)	Cooling	dB(A)	46	49
	Heating	dB(A)	49	50	54
Ext. Piping	Sound Level (PWL)	Cooling	dB(A)	60	61
	Heating	dB(A)	60	61	64
	Operating Current (Max)	A	9.2	9.6	13.6
	Breaker Size	A	10	10	16
	Diameter	Liquid/Gas	mm	6.35 / 9.52	6.35 / 12.7
	Max.Length	Out-In	m	20	30
	Max.Height	Out-In	m	12	15
	Guaranteed Operating Range (Outdoor)	Cooling	°C	-10 ~ +46	-10 ~ +46
	Heating	°C	-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 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⁾ Please see page 53-55 for heating (warmer season) specifications.

MSZ-S SERIES MSZ-G SERIES

Introducing a compact and stylish indoor unit with amazingly quiet performance. Not only are neat installations in small bedrooms possible, increase energy-savings by selecting the optimal capacity required for each room.

R410A

GOOD DESIGN
AWARD 2014

MSZ-SF15/20VA

MSZ-SF25/35/42/50VE3

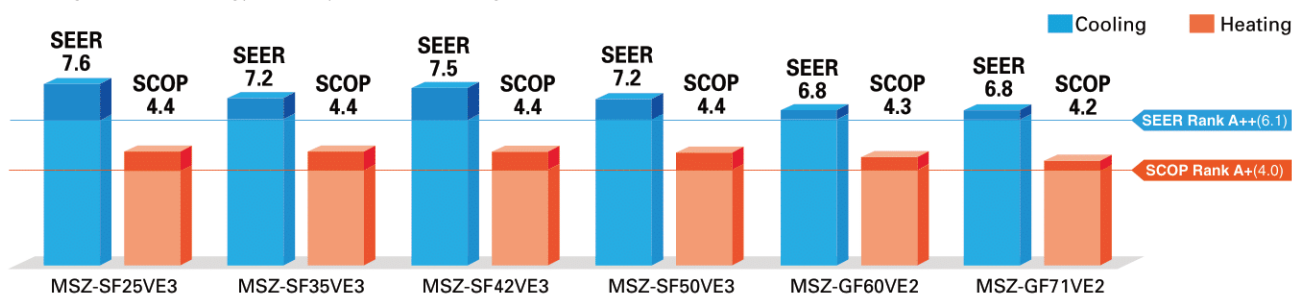
MSZ-GF60/71VE2



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



All models in the series, from the low-capacity 25 to the high-capacity 71, have achieved the "Rank A++" for SEER and "Rank A+" for SCOP as energy-savings rating. For home use, such as in bedrooms and living rooms, to light commercial use, such as in offices, our air conditioners are contributing to reduced energy consumption in a wide range.



Wide Line-up

Eight different indoor units (Model 15-71) are available to meet your diversified air conditioning needs.



MSZ-SF15 / 20VA*
*for MXZ connection



MSZ-SF25 / 35 / 42 / 50VE3



MSZ-GF60 / 71VE2

Compact and Stylish

(MSZ-SF15/20VA)

The stylish, square indoor unit adds a touch of class to any room interior. The compact design is 64mm thinner than our previous indoor unit with the lowest output capacity (MSZ-GE22VA).

Comparison with our previous model GE



Family Design

(MSZ-SF15/20/25/35/42/50)

Models in the 25-50 class are introduced as single-split units while retaining the popular design of the SF15/20VA* as indoor units exclusively for multi-systems. From small rooms to living rooms, it is possible to coordinate residences with a unified design.

*Size may vary.



“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.

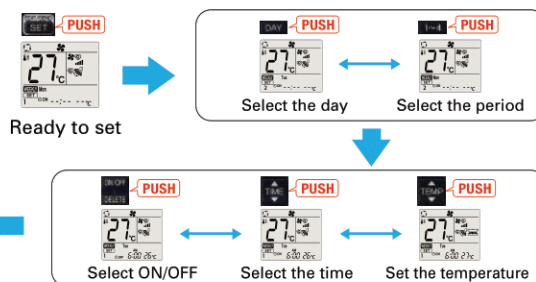
■ Easy set-up using dedicated buttons



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



How to set the Weekly Timer



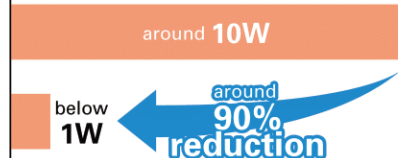
- Start by pushing the “SET” button and follow the instructions to set the desired patterns. Once all of the desired patterns are input, point the top end of the remote controller at the indoor unit and push the “SET” button one more time. (Push the “SET” button only after inputting all of the desired 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.

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”

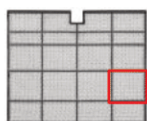
with
“Low standby power”



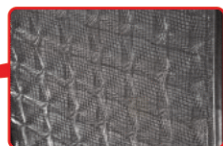
Air Purifying Filter

(MSZ-SF25/35/42/50, MSZ-GF60/71)

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)

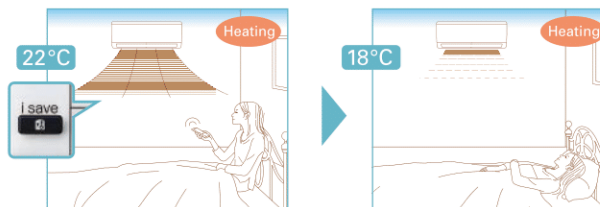


3D surface (Waved surface)

“i save” Mode



“i save” is a simplified setting function that recalls the preferred (pre-set) 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.

Outdoor Units for Cold Region (25/35/42/50)

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-SF25/35/42VE MUZ-SF50VE



MUZ-SF25/35/42VEH MUZ-SF50VEH

MSZ-S SERIES



Indoor Unit

R410A



GOOD DESIGN
AWARD 2014



MSZ-SF15/20VA

Outdoor Unit

For MXZ Connection Only

Remote Controller



Type		Inverter Heat Pump					
Indoor Unit		MSZ-SF15VA	MSZ-SF20VA	MSZ-SF25VE3	MSZ-SF25VE3	MSZ-SF35VE3	MSZ-SF35VE3
Outdoor Unit		for MXZ connection		MUZ-SF25VE	MUZ-SF25VEH	MUZ-SF35VE	MUZ-SF35VEH
Refrigerant		R410A ⁽¹⁾					
Power Supply		Outdoor Power supply					
Source		230/Single/50					
Outdoor (V / Phase / Hz)							
Cooling	Design load	kW	-	-	2.5	2.5	3.5
	Annual electricity consumption ⁽²⁾	kWh/a	-	-	116	116	171
	SEER ⁽³⁾		-	-	7.6	7.6	7.2
	Energy efficiency class		-	-	A++	A++	A++
	Capacity						
Heating (Average Season) ⁽⁴⁾	Rated	kW	-	-	2.5	2.5	3.5
	Min-Max	kW	-	-	0.9-3.4	0.9-3.4	1.1-3.8
	Total Input	Rated	kW	-	0.600	0.600	1.080
	Design load	kW	-	-	2.4(-10°C)	2.4(-10°C)	2.9(-10°C)
	Declared Capacity	at reference design temperature	kW	-	2.4(-10°C)	2.4(-10°C)	2.9(-10°C)
		at bivalent temperature	kW	-	2.4(-10°C)	2.4(-10°C)	2.9(-10°C)
		at operation limit temperature	kW	-	2.0(-15°C)	2.2(-15°C)	1.6(-20°C)
	Back up heating capacity	kW	-	-	0.0(-10°C)	0.0(-10°C)	0.0(-10°C)
	Annual electricity consumption ⁽²⁾	kWh/a	-	-	764	790	948
	SCOP ⁽⁵⁾		-	-	4.4	4.3	4.3
Indoor Unit	Energy efficiency class		-	-	A+	A+	A+
	Capacity						
	Rated	kW	-	-	3.2	3.2	4.0
	Min-Max	kW	-	-	1.0-4.1	1.0-4.1	1.3-4.6
	Total Input	Rated	kW	-	0.780	0.780	1.030
	Operating Current (Max)	A	-	-	8.4	8.4	8.5
	Input	Rated	kW	0.017	0.019	0.024	0.024
	Operating Current(Max)	A	-	0.17	0.19	0.2	0.3
	Dimensions	H*W*D	mm	250-760-168	250-760-168	299-798-195	299-798-195
	Weight	kg	-	7.7	10	10	10
Outdoor Unit	Air Volume (SLo-Lo-Mid-Hi-SH ⁽⁶⁾)	Cooling	m ³ /min	3.5 - 3.9 - 4.6 - 5.5 - 6.4	3.5 - 3.9 - 4.6 - 5.5 - 6.9	3.2 - 4.1 - 5.6 - 7.2 - 9.1	3.2 - 4.1 - 5.6 - 7.2 - 9.1
		Heating	m ³ /min	3.7 - 4.4 - 5.0 - 6.0 - 6.8	3.7 - 4.4 - 5.0 - 6.0 - 7.3	3.0 - 4.1 - 6.7 - 8.2 - 10.3	3.0 - 4.1 - 6.7 - 8.3 - 11.0
	Sound Level (SPL) (SLo-Lo-Mid-Hi-SH ⁽⁶⁾)	Cooling	dB(A)	21 - 26 - 30 - 35 - 40	21 - 26 - 30 - 35 - 42	19 ⁽⁶⁾ - 24 - 30 - 36 - 42	19 ⁽⁶⁾ - 24 - 30 - 36 - 42
		Heating	dB(A)	21 - 26 - 30 - 35 - 40	21 - 26 - 30 - 35 - 42	19 ⁽⁶⁾ - 24 - 34 - 39 - 45	19 ⁽⁶⁾ - 24 - 34 - 40 - 46
	Sound Level (PWL)	Cooling	dB(A)	59	60	57	57
		Heating	dB(A)	-	-	57	57
	Dimensions	H*W*D	mm	-	-	550-800-285	550-800-285
	Weight	kg	-	-	31	31	31
	Air Volume	Cooling	m ³ /min	-	-	31.1	35.9
		Heating	m ³ /min	-	-	30.7	35.9
Ext. Piping	Sound Level (SPL)	Cooling	dB(A)	-	-	47	49
		Heating	dB(A)	-	-	48	50
	Sound Level (PWL)	Cooling	dB(A)	-	-	58	62
		Heating	dB(A)	-	-	58	62
	Operating Current (Max)	A	-	-	8.2	8.2	8.2
	Breaker Size	A	-	-	10	10	10
	Diameter	Liquid/Gas	mm	6.35/9.52	6.35/9.52	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	-	-	-10 ~ +46	-10 ~ +46
		Heating	°C	-	-	-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 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⁾ Please see page 53-55 for heating (warmer season) specifications.

⁽⁶⁾ For single use: only 19dB(A). For multi use (MXZ): 21dB(A).

MSZ-S SERIES MSZ-G SERIES



Indoor Unit

R410A



MSZ-SF25/35/42/50VE3



MSZ-GF60/71VE2

Outdoor Unit

R410A



MUZ-SF25/35/42VE(H)



MUZ-SF50VE(H)
MUZ-GF60/71VE

Remote Controller



Type			Inverter Heat Pump					
Indoor Unit			MSZ-SF42VE3	MSZ-SF42VE3	MSZ-SF50VE3	MSZ-SF50VE3	MSZ-GF60VE2	MSZ-GF71VE2
Outdoor Unit			MUZ-SF42VE	MUZ-SF42VEH	MUZ-SF50VE	MUZ-SF50VEH	MUZ-GF60VE	MUZ-GF71VE
Refrigerant			R410A ⁽¹⁾					
Power Supply			Outdoor Power supply					
Source			230/Single/50					
Outdoor (V / Phase / Hz)								
Cooling	Design load	kW	4.2	4.2	5.0	5.0	6.1	7.1
	Annual electricity consumption ⁽²⁾	kWh/a	196	196	246	246	311	364
	SEER ⁽⁴⁾		7.5	7.5	7.2	7.2	6.8	6.8
	Energy efficiency class		A++	A++	A++	A++	A++	A++
	Capacity							
Heating (Average Season) ⁽⁵⁾	Rated	kW	4.2	4.2	5.0	5.0	6.1	7.1
	Min-Max	kW	0.8-4.5	0.8-4.5	1.4-5.4	1.4-5.4	1.4-7.5	2.0-8.7
	Total Input	Rated	kW	1.340	1.340	1.660	1.790	2.130
	Design load	kW	3.8 (-10°C)	3.8 (-10°C)	4.2 (-10°C)	4.2 (-10°C)	4.6 (-10°C)	6.7 (-10°C)
	Declared Capacity							
Heating (Average Season) ⁽⁵⁾	at reference design temperature	kW	3.8 (-10°C)	3.8 (-10°C)	4.2 (-10°C)	4.2 (-10°C)	4.6 (-10°C)	6.7 (-10°C)
	at bivalent temperature	kW	3.8 (-10°C)	3.8 (-10°C)	4.2 (-10°C)	4.2 (-10°C)	4.6 (-10°C)	6.7 (-10°C)
	at operation limit temperature	kW	3.4 (-15°C)	2.2 (-20°C)	3.4 (-15°C)	2.3 (-20°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)	0.0 (-10°C)	0.0 (-10°C)
	Annual electricity consumption ⁽²⁾	kWh/a	1215	1242	1351	1380	1489	2204
Operating Current (Max)	SCOP ⁽⁴⁾		4.4	4.3	4.4	4.3	4.3	4.2
	Energy efficiency class		A+	A+	A+	A+	A+	A+
	Rated	kW	5.4	5.4	5.8	5.8	6.8	8.1
	Min-Max	kW	1.3-6.0	1.3-6.0	1.4-7.3	1.4-7.3	2.0-9.3	2.2-9.9
	Total Input	Rated	kW	1.580	1.580	1.700	1.810	2.230
Indoor Unit	Input	A	9.5	9.5	12.3	12.3	14.5	16.6
	Operating Current(Max)	A	0.027	0.027	0.035	0.035	0.062	0.058
	Dimensions	H*W*D	mm	299-798-195	299-798-195	299-798-195	299-798-195	325-1100-238
	Weight	kg	10	10	10	10	16	16
	Air Volume							
Outdoor Unit	(SLo-Lo-Mid-Hi-SH) ⁽³⁾	m³/min	4.7 - 5.8 - 6.7 - 7.9 - 9.1	4.7 - 5.8 - 6.7 - 7.9 - 9.1	5.1 - 6.2 - 7.0 - 8.2 - 9.9	5.1 - 6.2 - 7.0 - 8.2 - 9.9	9.8-11.3-13.4-15.6-18.3	9.7-11.5-13.3-15.4-17.8
	Heating	m³/min	4.7 - 5.8 - 7.2 - 9.1 - 11.4	4.7 - 5.8 - 7.2 - 9.1 - 11.4	5.1 - 6.4 - 8.0 - 9.8 - 12.0	5.1 - 6.4 - 8.0 - 9.8 - 12.0	9.8-11.3-13.4-15.6-18.3	10.2-11.5-13.3-15.4-17.8
	Sound Level (SPL)	dB(A)	26 ⁽⁶⁾ - 31 - 34 - 38 - 42	26 ⁽⁶⁾ - 31 - 34 - 38 - 42	28 ⁽⁷⁾ - 33 - 36 - 40 - 45	28 ⁽⁷⁾ - 33 - 36 - 40 - 45	29 - 37 - 41 - 45 - 49	30 - 37 - 41 - 45 - 49
	(SLo-Lo-Mid-Hi-SH) ⁽³⁾	dB(A)	26 ⁽⁶⁾ - 31 - 36 - 42 - 47	26 ⁽⁶⁾ - 31 - 36 - 42 - 47	28 ⁽⁷⁾ - 33 - 38 - 43 - 49	28 ⁽⁷⁾ - 33 - 38 - 43 - 49	29 - 37 - 41 - 45 - 49	30 - 37 - 41 - 45 - 49
	Sound Level (PWL)	dB(A)	57	57	58	58	65	65
Outdoor Unit	Dimensions	H*W*D	mm	550-800-285	550-800-285	880-840-330	880-840-330	880-840-330
	Weight	kg	35	35	55	55	50	53
	Air Volume							
	Cooling	m³/min	35.2	35.2	44.6	44.6	49.2	50.1
	Heating	m³/min	33.6	33.6	44.6	44.6	49.2	48.2
Ext. Piping	Sound Level (SPL)	dB(A)	50	50	52	52	55	55
	Heating	dB(A)	51	51	52	52	55	55
	Sound Level (PWL)	dB(A)	63	63	65	65	65	65
	Operating Current (Max)	A	9.2	9.2	12	12	14	16.1
	Breaker Size	A	10	10	16	16	20	20
Guaranteed Operating Range (Outdoor)	Diameter	Liquid/Gas	mm	6.35 / 9.52	6.35 / 9.52	6.35 / 12.7	6.35 / 15.88	9.52 / 15.88
	Max.Length	Out-In	m	20	20	30	30	30
	Max.Height	Out-In	m	12	12	15	15	15
	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 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⁾ Please see page 53-55 for heating (warmer season) specifications.

⁽⁶⁾ For single use: only 26dB(A). For multi use (MXZ): 28dB(A).

⁽⁷⁾ For single use: only 28dB(A). For multi use (MXZ): 30dB(A).

MSZ-W SERIES

Introducing a stylish indoor unit with high-performance air purifying filters. Wi-Fi and system controller connectivity, and a heating operation range down to -15°C contribute to greater room comfort.

R410A

MSZ-WN25/35VA



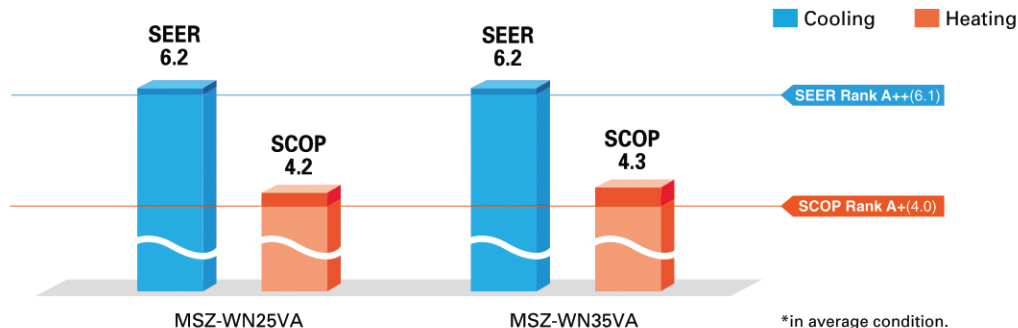
Advanced Inverter Control – Efficient Operation All the Time

DC Inverter

25/35 SEER A++

25/35 SCOP A+

Mitsubishi Electric's cutting-edge inverter technologies are adopted to provide automatic adjustment of operation load according to need. This reduces excessive consumption of electricity, and thereby realises an Energy Rank "A+".



Wider Heating Operating Range

As a result of an extended operating range in heating, these models accommodate a wider range of usage environments and applications than previous models.

Operating Range (Heating)

MUZ-WN | -15°C to +24°C

Wi-Fi and System Control

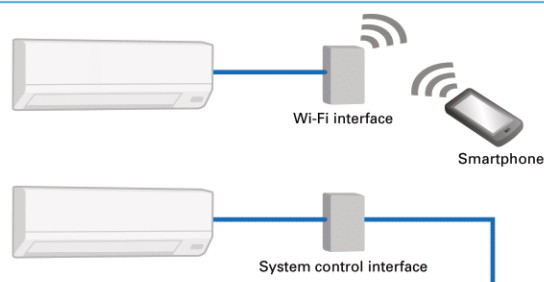
Wi-Fi Interface (Optional)

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

System Control Interface (Optional)

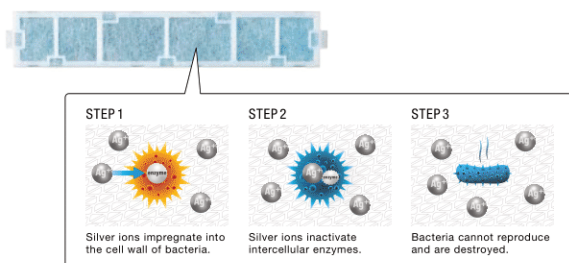
- Remote on/off operation is possible by input to the connector.
- Depending on the interface used, connecting a wired remote-control such as the PAR-41MAA is possible.
- Centralised control is possible when connected to M-NET.

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



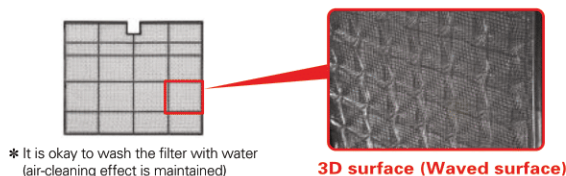
Silver-ionized Air Purifier Filter

The high performance filter is attached as standard. Captures the bacteria, pollen and other allergens in the air and neutralises them.



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.



MSZ-W SERIES



Indoor Unit

R410A



MSZ-WN25/35VA

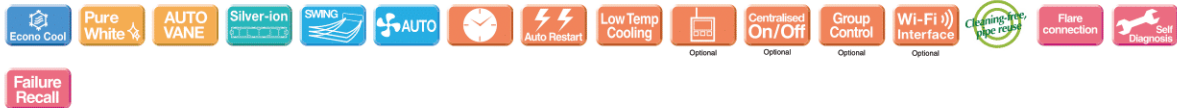
Outdoor Unit

R410A



MUZ-WN25/35VA

Remote Controller



Type				Inverter Heat Pump	
Indoor Unit				MSZ-WN25VA	MSZ-WN35VA
Outdoor Unit				MUZ-WN25VA	MUZ-WN35VA
Refrigerant				R410A ⁽¹⁾	
Power Source				Indoor Power Supply	
Supply	Outdoor (V / Phase / Hz)			230V/Single/50Hz	
Cooling	Design load		kW	2.5	3.1
	Annual electricity consumption ⁽²⁾		kWh/a	141	173
	SEER ⁽⁴⁾			6.2	6.2
	Energy efficiency class			A++	A++
		Capacity			2.5
		Rated	kW	1.3 - 3.0	1.4 - 3.5
Heating (Average Season) ⁽³⁾	Min-Max		kW	0.710	1.020
	Total Input	Rated	kW	1.9(-10°C)	2.4(-10°C)
	Design load		kW	1.9(-10°C)	2.4(-10°C)
	Declared Capacity	at reference design temperature	kW	1.9(-10°C)	2.4(-10°C)
		at bivalent temperature	kW	1.9(-10°C)	2.4(-10°C)
		at operation limit temperature	kW	1.6(-15°C)	2.0(-15°C)
		Back up heating capacity		kW	0.0(-10°C)
	Annual electricity consumption ⁽²⁾		kWh/a	628	793
	SCOP ⁽⁴⁾			4.2	4.3
	Energy efficiency class			A+	A+
		Capacity			3.15
		Rated	kW	0.9 - 3.5	1.1 - 4.1
	Min-Max		kW	0.850	0.975
	Total Input	Rated	kW	5.8	6.5
Operating Current (Max)			A	0.020	0.026
Indoor Unit	Input	Rated	kW	0.3	0.3
	Operating Current(Max)		A	290-799-232	290-799-232
	Dimensions	H*W*D	mm	9	9
	Weight		kg	3.8 - 5.5 - 7.3 - 9.5	3.8 - 5.7 - 7.8 - 11.4
	Air Volume (Lo-Mid-Hi-SH ⁽⁵⁾)	Cooling	m³/min	3.5 - 5.5 - 7.5 - 10.0	3.5 - 5.5 - 7.5 - 10.3
		Heating	m³/min	22 - 30 - 37 - 43	22 - 31 - 38 - 46
	Sound Level (SPL)	Cooling	dB(A)	23 - 30 - 37 - 43	23 - 30 - 37 - 44
	(Lo-Mid-Hi-SH ⁽⁵⁾)	Heating	dB(A)	57	60
	Sound Level (PWL)	Cooling	dB(A)	538-699-249	538-699-249
		Heating	dB(A)	24	25
Outdoor Unit	Dimensions	H*W*D	mm	31.5	31.5
	Weight		kg	31.5	31.5
	Air Volume	Cooling	m³/min	50	52
		Heating	m³/min	50	52
	Sound Level (SPL)	Cooling	dB(A)	63	64
		Heating	dB(A)	5.5	6.2
	Sound Level (PWL)	Cooling	dB(A)	10	10
		Heating	dB(A)	6.35/9.52	6.35/9.52
Ext. Piping	Diameter	Liquid/Gas	mm	20	20
	Max.Length	Out-In	m	12	12
	Max.Height	Out-In	m	-10 ~ +46	-10 ~ +46
Guaranteed Operating Range (Outdoor)	Cooling	°C	-15 ~ +24	-15 ~ +24	
	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 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⁾ Please see page 53-55 for heating (warmer season) specifications.

MSZ-D SERIES

Compact, high-performance indoor and outdoor units equipped with high-performance air purifying filters contribute to greater room comfort. Wi-Fi and system controller connectivity enable enhanced expandability.

R410A

MSZ-DM25/35VA



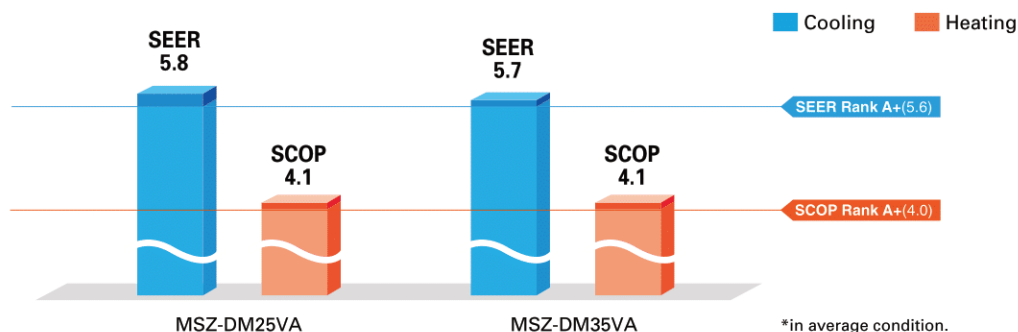
Advanced Inverter Control – Efficient Operation All the Time

DC Inverter

25/35 SEER A+

25/35 SCOP A+

Mitsubishi Electric's cutting-edge inverter technologies are adopted to provide automatic adjustment of operation load according to need. This reduces excessive consumption of electricity, and thereby realises an Energy Rank "A+".



Wider Cooling Operating Range

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

Operating Range (Cooling)

MUZ-DM | -10°C to +46°C

Wi-Fi and System Control

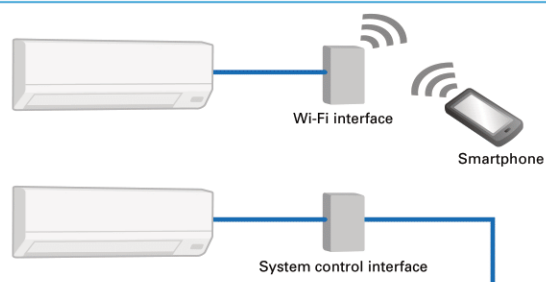
Wi-Fi Interface (Optional)

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

System Control Interface (Optional)

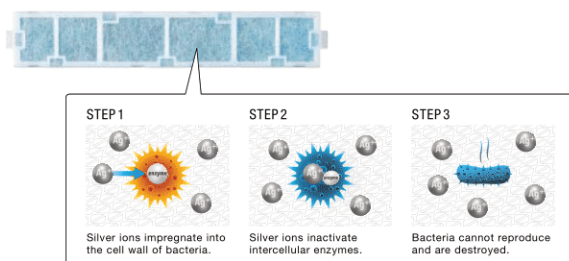
- Remote on/off operation is possible by input to the connector.
- Depending on the interface used, connecting a wired remote-control such as the PAR-41MAA is possible.
- Centralised control is possible when connected to M-NET.

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



Silver-ionized Air Purifier Filter

The high performance filter is attached as standard. Captures the bacteria, pollen and other allergens in the air and neutralises them.



Compact Units

The width of both indoor and outdoor units are compact, making installation in smaller, tighter spaces possible.

Indoor Unit: MSZ-DM25VA

Outdoor Unit: MUZ-DM25/35VA



Only 799mm width



Only 699mm width

MSZ-D SERIES



Indoor Unit

R410A



MSZ-DM25/35VA

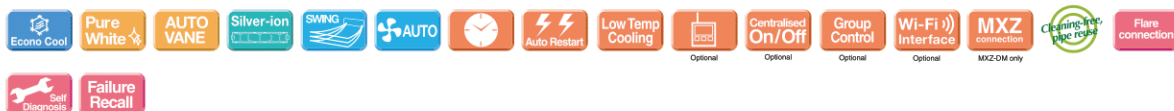
Outdoor Unit

R410A



MUZ-DM25/35VA

Remote Controller



Type				Inverter Heat Pump	
Indoor Unit				MSZ-DM25VA	MSZ-DM35VA
Outdoor Unit				MUZ-DM25VA	MUZ-DM35VA
Refrigerant				R410A ⁽¹⁾	
Power Supply	Source			Indoor Power supply	
	Outdoor (V / Phase / Hz)			230V/Single/50Hz	
Cooling	Design load		kW	2.5	3.1
	Annual electricity consumption ⁽²⁾		kWh/a	149	190
	SEER ⁽⁴⁾			5.8	5.7
	Energy efficiency class			A ⁺	A ⁺
	Capacity	Rated	kW	2.5	3.15
		Min-Max	kW	1.3 - 3.0	1.4 - 3.5
	Total Input	Rated	kW	0.710	1.020
Heating (Average Season) ⁽³⁾	Design load		kW	1.9 (-10°C)	2.4 (-10°C)
	Declared Capacity	at reference design temperature	kW	1.9 (-10°C)	2.4 (-10°C)
		at bivalent temperature	kW	1.9 (-10°C)	2.4 (-10°C)
		at operation limit temperature	kW	1.9 (-10°C)	2.4 (-10°C)
	Back up heating capacity		kW	0.0 (-10°C)	0.0 (-10°C)
	Annual electricity consumption ⁽²⁾		kWh/a	647	809
	SCOP ⁽⁴⁾			4.1	4.1
	Energy efficiency class			A ⁺	A ⁺
	Capacity	Rated	kW	3.15	3.6
		Min-Max	kW	0.9 - 3.5	1.1 - 4.1
	Total Input	Rated	kW	0.850	0.975
Operating Current (Max)			A	5.8	6.5
Indoor Unit	Input		Rated	kW	0.020
	Operating Current(Max)		A	0.3	0.3
	Dimensions		H*W*D	mm	290-799-232
	Weight		kg	9	9
	Air Volume	Cooling	m ³ /min	3.8 - 5.5 - 7.3 - 9.5	3.8 - 5.7 - 7.8 - 10.9
		Heating	m ³ /min	3.5 - 5.5 - 7.5 - 10.0	3.5 - 5.5 - 7.5 - 10.3
	Sound Level (SPL) (SLo-Lo-Mid-Hi-SH ⁽⁵⁾)	Cooling	dB(A)	22 - 30 - 37 - 43	22 - 31 - 38 - 45
		Heating	dB(A)	23 - 30 - 37 - 43	23 - 30 - 37 - 44
	Sound Level (PWL)	Cooling	dB(A)	57	60
Outdoor Unit	Dimensions		H*W*D	mm	538-699-249
	Weight		kg	24	25
	Air Volume	Cooling	m ³ /min	31.5	31.5
		Heating	m ³ /min	31.5	31.5
	Sound Level (SPL)	Cooling	dB(A)	50	51
		Heating	dB(A)	50	51
	Sound Level (PWL)	Cooling	dB(A)	63	64
	Operating Current (Max)		A	5.5	6.2
	Breaker Size		A	10	10
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	-10 ~ +46	-10 ~ +46	
	Heating	°C	-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) 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 53-55 for heating (warmer season) specifications.

MSZ-H SERIES

Compact, high-performance indoor and outdoor units and advanced inverter technologies provide superior energy savings and comfort in all rooms.

R410A

MSZ-HJ25/35/50VA

MSZ-HJ60/71VA



Stylish Design with Flat Panel Front

A stylish flat panel design is employed for the front of the indoor unit. The simple look matches room aesthetics.



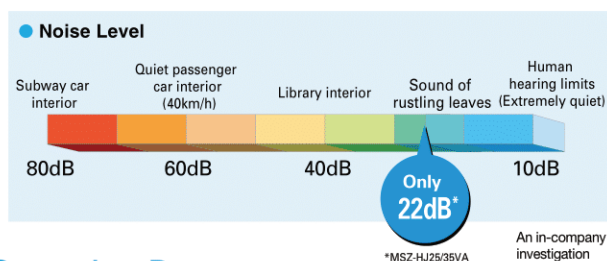
Advanced Inverter Control – Efficient Operation All the Time



Mitsubishi Electric's cutting-edge inverter technologies are adopted to provide automatic adjustment of operation load according to need. This reduces excessive consumption of electricity, and thereby realises an Energy Rank "A" rating for 25/35 classes and "A+" for 50/60/71 classes.

Silent Operation

Quiet, relaxing space is within reach. Operational noise is a low 22dB (25/35 classes). Operation is so silent you might even forget the air conditioner is on.



Long Piping Length

Compared to previous models, the piping length is significantly increased, further enhancing the ease and flexibility of installation.

	MSZ-HJ60/71	MSZ-HJ25/35/50	MSZ-HC
Max piping length	30m	20m	10m
Max piping height difference	15m	12m	5m

Operating Range

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

Operating Range (Cooling)

MUZ-HC	+18°C	+43°C
MUZ-HJ	+15°C	+46°C

Compact Units

The widths of both indoor and outdoor units are compact, making installation in smaller, tighter spaces possible.

Indoor Unit: MSZ-HJ25/35/50VA



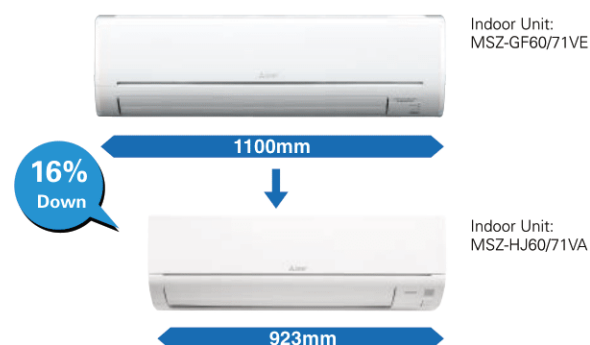
Only 799mm width

Outdoor Unit: MUZ-HJ25/35VA



Only 699mm width

Compared to other models, width is down by 16%.



MSZ-H SERIES



Indoor Unit

R410A



MSZ-HJ25/35/50VA



MSZ-HJ60/71VA

Outdoor Unit

R410A



MUZ-HJ25/35VA



MUZ-HJ50VA



MUZ-HJ60/71VA

Remote Controller



Type	Inverter Heat Pump				
Indoor Unit	MSZ-HJ25VA	MSZ-HJ35VA	MSZ-HJ50VA	MSZ-HJ60VA	MSZ-HJ71VA
Outdoor Unit	MUZ-HJ25VA	MUZ-HJ35VA	MUZ-HJ50VA	MUZ-HJ60VA	MUZ-HJ71VA
Refrigerant	R410A ⁽¹⁾				
Power Supply	Indoor Power supply 230V/Single/50Hz				
Cooling	Source Outdoor (V / Phase / Hz)				
	Design load	kW	2.5	3.1	5.0
	Annual electricity consumption ⁽²⁾	kWh/a	171	212	292
	SEER ⁽⁴⁾		5.1	5.1	6.0
	Energy efficiency class		A	A	A+
	Capacity				
Heating	Rated	kW	2.5	3.15	5.0
	Min-Max	kW	1.3 - 3.0	1.4 - 3.5	1.3 - 5.0
	Total Input	kW	0.730	1.040	2.050
	Design load	kW	1.9 (-10°C)	2.4 (-10°C)	3.8 (-10°C)
	Declared Capacity				
	at reference design temperature	kW	1.9 (-10°C)	2.4 (-10°C)	3.8 (-10°C)
Heating (Average Season) ⁽³⁾	at operation limit temperature	kW	1.9 (-10°C)	2.4 (-10°C)	3.8 (-10°C)
	Back up heating capacity	kW	0.0 (-10°C)	0.0 (-10°C)	0.0 (-10°C)
	Annual electricity consumption ⁽²⁾	kWh/a	698	885	1267
	SCOP ⁽⁴⁾		3.8	3.8	4.2
	Energy efficiency class		A	A	A+
	Capacity				
Indoor Unit	Rated	kW	3.15	3.6	5.4
	Min-Max	kW	0.9 - 3.5	1.1 - 4.1	1.4 - 6.5
	Total Input	kW	0.870	0.995	1.480
	Operating Current (Max)	A	5.8	6.5	9.8
	Input	kW	0.020	0.024	0.037
	Operating Current(Max)	A	0.3	0.3	0.4
Outdoor Unit	Dimensions	H*W*D	290-799-232	290-799-232	290-799-232
	Weight	kg	9	9	9
	Air Volume				
	Cooling	m³/min	3.8 - 5.5 - 7.3 - 9.5	3.8 - 5.7 - 7.8 - 10.9	6.3 - 9.1 - 11.1 - 12.9
	Heating	m³/min	3.5 - 5.5 - 7.5 - 10.0	3.5 - 5.5 - 7.5 - 10.3	6.1 - 8.3 - 11.1 - 14.3
	Sound Level (SPL)				
Ext. Piping	Cooling	dB(A)	22 - 30 - 37 - 43	22 - 31 - 38 - 45	28 - 36 - 40 - 45
	Heating	dB(A)	23 - 30 - 37 - 43	23 - 30 - 37 - 44	27 - 34 - 41 - 47
	Sound Level (PWL)				
	Cooling	dB(A)	57	60	60
	Heating	dB(A)	50	50	51
	Sound Level (PWL)				
Guaranteed Operating Range (Outdoor)	Cooling	°C	+15 ~ +46	+15 ~ +46	+15 ~ +46
	Heating	°C	-10 ~ +24	-10 ~ +24	-10 ~ +24
	Breaker Size	A	10	10	12
	Diameter	mm	6.35/9.52	6.35/9.52	6.35/12.7
	Max.Length	m	20	20	30
	Max.Height	m	12	12	15

(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) 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 53-55 for heating (warmer season) specifications.

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

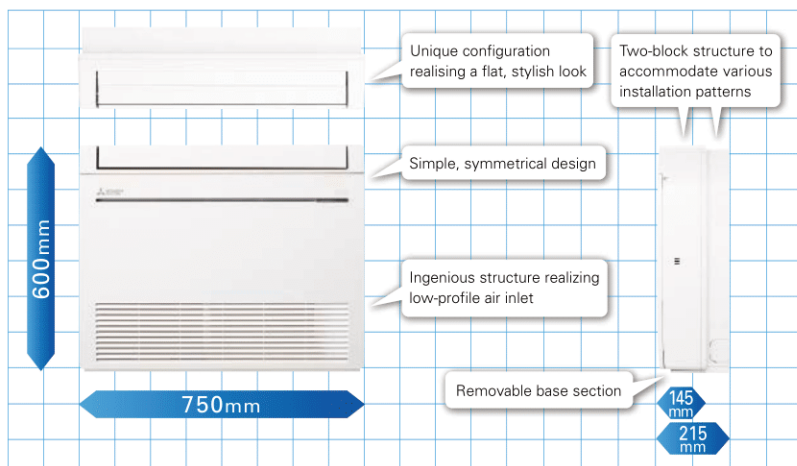


GOOD DESIGN
AWARD 2014

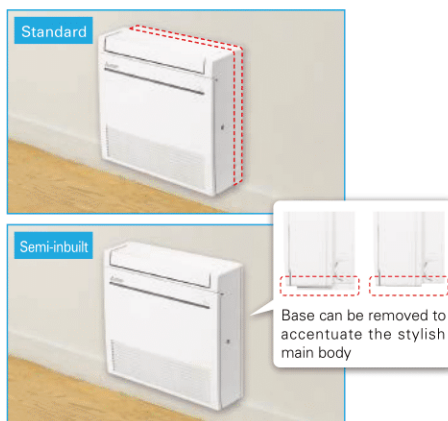


Simple, Flat Design

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



Images of installed unit



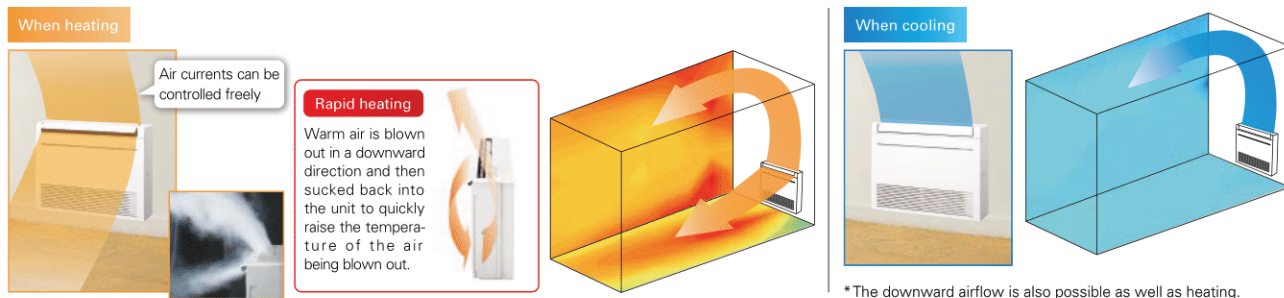
New Line-up

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.



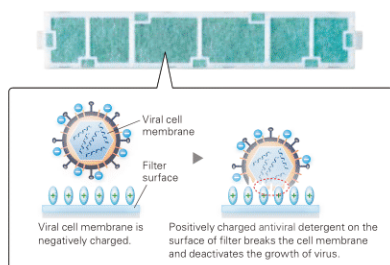
Weekly Timer (Introduced in response to market demand)

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



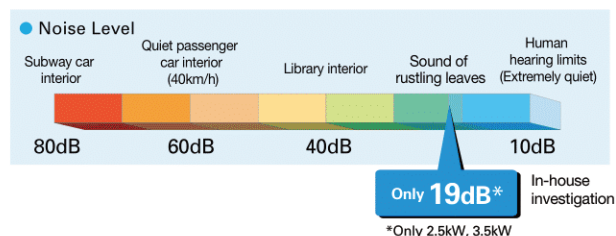
V Blocking Filter with antiviral effect inhibits 99% of adhered virus, and other harmful substances, such as bacteria, mold and allergen. Two-layered filter with non-woven fabric and electrostatic filter can effectively capture and remove small particles from the air in your room.



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



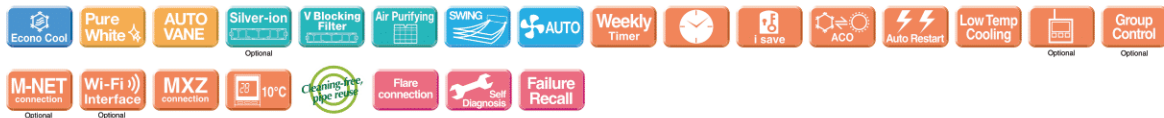
*optional



*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	Source	Outdoor power supply			
	Outdoor(V/Phase/Hz)	230 / Single / 50			
Cooling	Design load	kW	2.5	3.5	5.0
	Annual electricity consumption ⁽²⁾	kWh/a	134	185	257
	SEER ^{(4), (5)}		6.5	6.6	6.8
	Capacity	Energy efficiency class		A++	A++
		Rated	kW	2.5	3.5
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)
		at bivalent temperature	kW	2.0 (-7°C)	2.3 (-7°C)
		at operation limit temperature	kW	2.0 (-10°C)	2.3 (-10°C)
	Back up heating capacity	kW	0.2	0.3	0.8
Operating Current (Max)	Annual electricity consumption ⁽²⁾	kWh/a	732	825	1423
	SCOP ^{(4), (5)}		4.2	4.4	4.2
	Capacity	Energy efficiency class		A+	A+
		Rated	kW	3.4	4.3
	Total Input	kW	1.3 - 4.2	1.1 - 5.0	1.5 - 7.2
Indoor Unit	Input	Rated	kW	0.020 / 0.024	0.037 / 0.052
	Operating Current(Max)	A	0.20	0.20	0.45
	Dimensions	H*W*D	mm	600-750-215	600-750-215
	Weight	kg	14.5	14.5	15.0
	Air Volume (SLo-Lo-Mid-Hi-SHi ⁽³⁾)	Cooling	m³/min	3.9 - 4.8 - 6.5 - 7.8 - 8.9	5.6 - 6.7 - 8.6 - 10.4 - 12.3
Outdoor Unit	Air Volume (SLo-Lo-Mid-Hi-SHi ⁽³⁾)	Heating	m³/min	3.5 - 4.0 - 5.6 - 7.3 - 9.7	6.0 - 7.7 - 9.4 - 11.6 - 14.0
	Sound Level (SPL)	Cooling	dB(A)	19 - 24 - 31 - 37 - 41	28 - 32 - 37 - 42 - 48
	Sound Level (SPL)	Heating	dB(A)	19 - 23 - 30 - 37 - 44	29 - 35 - 40 - 44 - 49
	Sound Level (PWL)	Cooling	dB(A)	54	54
	Sound Level (PWL)	Heating	dB(A)	54	60
Ext. Piping	Dimensions	H*W*D	mm	550-800-285	714-800-285
	Weight	kg	30	35	41
	Air Volume	Cooling	m³/min	36.3	34.3
	Air Volume	Heating	m³/min	34.6	32.7
	Sound Level (SPL)	Cooling	dB(A)	45	48
Guaranteed Operating Range	Sound Level (SPL)	Heating	dB(A)	46	48
	Sound Level (PWL)	Cooling	dB(A)	59	59
	Sound Level (PWL)	Heating	dB(A)	59	64
	Operating Current(Max)	A	7	9	14
	Breaker Size	A	10	10	16
Ext. Piping	Diameter	Liquid/Gas	mm	6.35 / 9.52	6.35 / 12.7
	Max.Length	Out-In	m	20	20
	Max.Height	Out-In	m	12	12
Guaranteed Operating Range	Guaranteed Operating Range	Cooling	°C	-10 ~ +46	-15 ~ +46
	Guaranteed Operating Range	Heating	°C	-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) 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) 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.

R32
R410A
Multi

MLZ-KP25/35/50VF



GOOD DESIGN
AWARD 2017

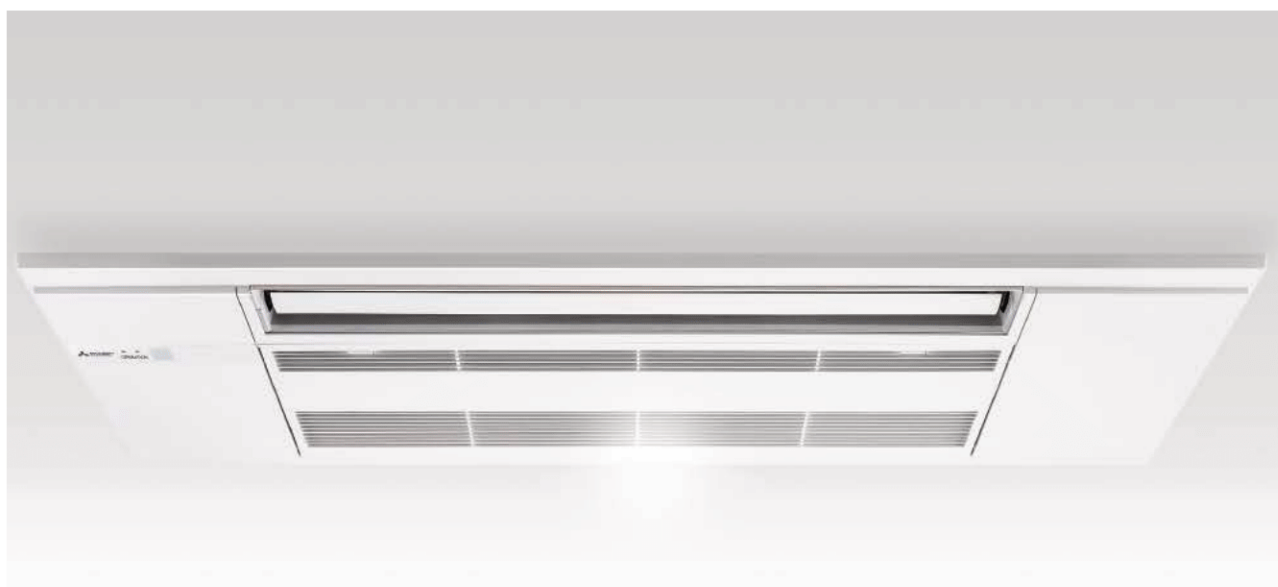


reddot award 2018
winner



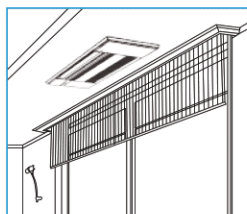
Slim Design

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



Ceiling Mounted

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

The new units are designed with a slim body (only 185mm high), ensuring easy installation even when low ceiling cavities limit installation space. The need for ceiling cavity service space is also eliminated, further reducing the dimensions required for installation.



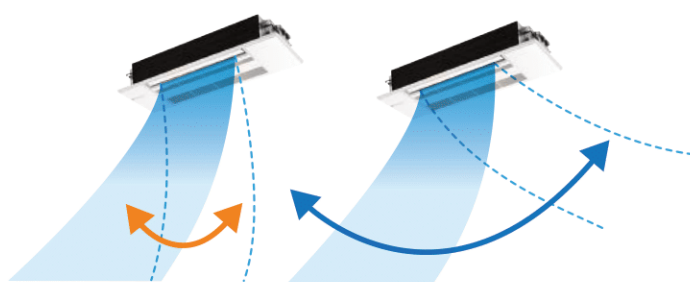
Set Airflow According to Ceiling Height

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

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

Auto Vane Control

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

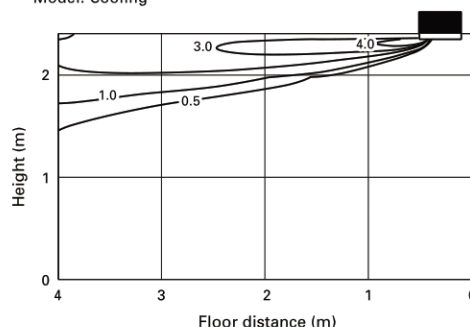
Left and Right

*Only available when Econo Cool is set.

Horizontal Airflow

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



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.

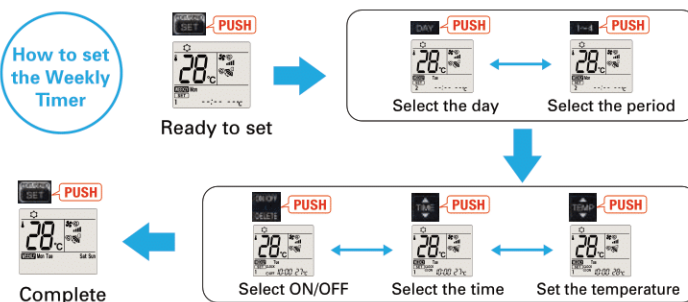
Easy set-up using dedicated buttons



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



- 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

Industry leading Slim Body

Inovative size which enables to fold the refrigerant piping above the unit.

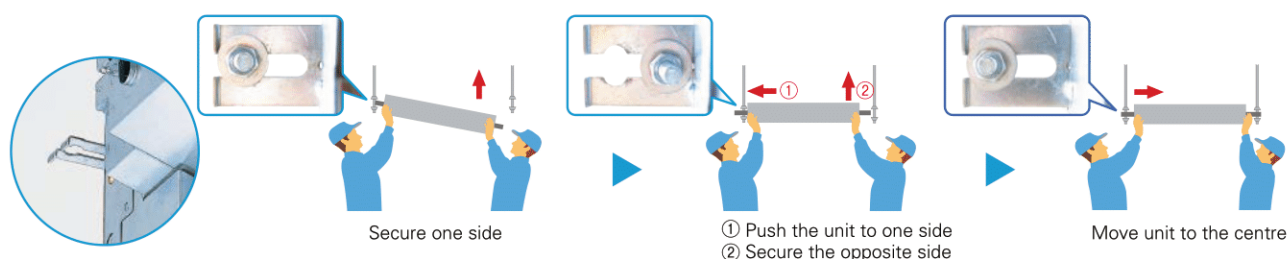


Industry leading
185 mm

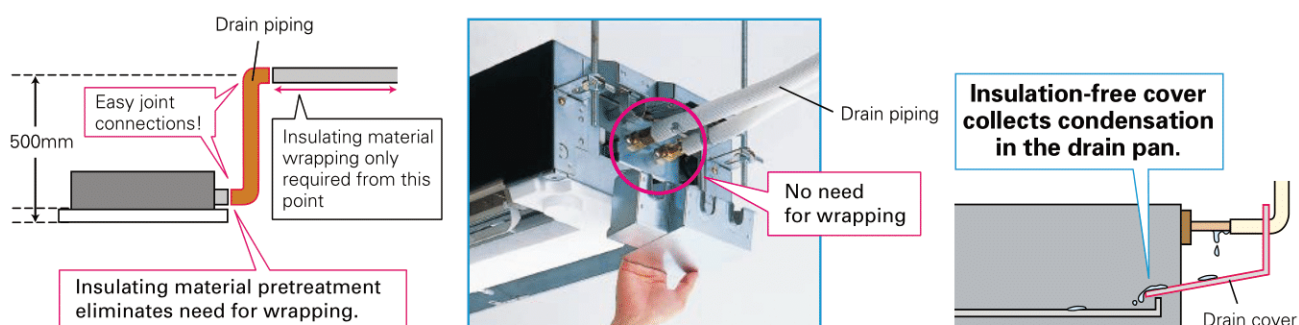
Dimension: 185(H)×1102(W)×360(D)mm

Temporary hanging hook

Work efficiency has improved during installation.

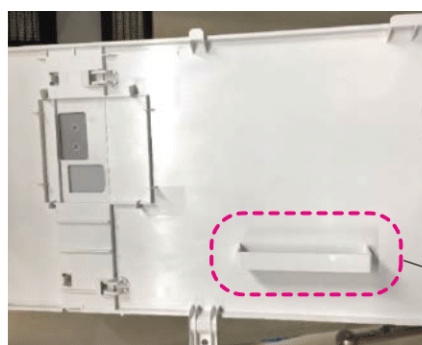


Drain Piping Supporters + Drain Cover



Wi-Fi Interface Installation (Optional)

The indoor unit panel is equipped with a Wi-Fi Interface pocket, contributing to the beautiful appearance, easy installation, and maintenance.



Wi-Fi Interface pocket

MLZ-KP SERIES



Indoor Unit



MLZ-KP25/35/50VF



Panel

MLP-444W

Outdoor Unit



SUZ-M25/35VA



SUZ-M50VA

Remote Controller



Enclosed in MLZ-KP



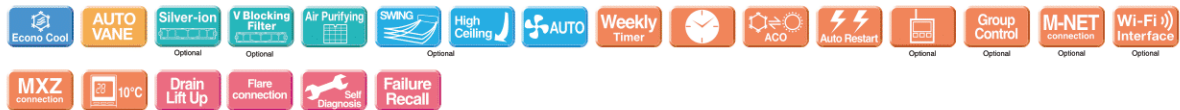
*optional



*optional



*optional



Type	Inverter Heat Pump			
Indoor Unit	MLZ-KP25VF		MLZ-KP35VF	MLZ-KP50VF
Outdoor Unit	SUZ-M25VA		SUZ-M35VA	SUZ-M50VA
Refrigerant	R32 ⁽¹⁾			
Power Source	Outdoor Power supply			
Supply Outdoor (V / Phase / Hz)	230V / Single / 50Hz			
Cooling	Design load	kW	2.5	5.0
	Annual electricity consumption ⁽²⁾	kWh/a	141	260
	SEER ^{(4), (5)}		6.2	6.7
	Energy efficiency class		A++	A++
	Capacity			
Heating (Average Season)	Rated	kW	2.5	5.0
	Min-Max	kW	1.4 - 3.2	1.7 - 5.6
	Total Input	kW	0.94	1.38
	Design load	kW	2.2	4.3
	Declared Capacity			
Operating Current (Max)	at reference design temperature	kW	2.0 (-10°C)	3.8 (-10°C)
	at bivalent temperature	kW	2.0 (-7°C)	3.8 (-7°C)
	at operation limit temperature	kW	2.0 (-10°C)	3.8 (-10°C)
	Back up heating capacity	kW	0.2	0.5
	Annual electricity consumption ⁽²⁾	kWh/a	697	1397
Indoor Unit	SCOP ^{(4), (5)}		4.4	4.3
	Energy efficiency class		A+	A+
	Capacity			
	Rated	kW	3.2	6.0
	Min-Max	kW	1.4 - 4.2	1.7 - 7.2
Panel	Total Input	kW	0.80	1.86
	Input	A	7.2	13.9
	Operating Current(Max)	A	0.04	0.04
	Dimensions	H*W*D	185-1102-360	185-1102-360
	Weight	kg	15.5	15.5
Outdoor Unit	Air Volume (SLo-Lo-Mid-Hi ⁽³⁾)	m³/min	6.0-7.2-8.0-8.8	6.0-8.3-9.8-11.4
	Sound Level (SPL) (SLo-Lo-Mid-Hi ⁽³⁾)	dB(A)	27-31-34-38	29-36-41-47
	Sound Level (PWL) (SLo-Lo-Mid-Hi ⁽³⁾)	dB(A)	26-27-34-37	26-37-42-48
	Operating Current (Max)	A	6.8	13.5
	Breaker Size	A	10	20
Ext. Piping	Dimensions	H*W*D	24-1200-424	24-1200-424
	Weight	kg	3.5	3.5
	Dimensions	H*W*D	550-800-285	550-800-285
	Weight	kg	30	41
	Air Volume			
Guaranteed Operating Range (Outdoor)	Cooling	m³/min	36.3	45.8
	Heating	m³/min	34.6	43.7
	Cooling	dB(A)	45	48
	Heating	dB(A)	46	49
	Cooling	dB(A)	59	64
Type	Operating Current (Max)	A	8.5	13.5
	Breaker Size	A	10	20
	Diameter	Liquid/Gas	6.35/9.52	6.35/12.7
	Max.Length	Out-In	20	30
	Max.Height	Out-In	12	30
Type	Cooling	°C	-10~+46	-15~+46
	Heating	°C	-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 were 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) SLo: 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 ^(*)		
Cooling	Design load	kW	2.5	3.5	5.0
	Annual electricity consumption ^(*)	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	1.8	2.2	3.3
		at bivalent temperature	1.8	2.2	3.3
		at operation limit temperature	2.6	2.6	4.0
	Back up heating capacity	kW	0.0	0.0	0.0
	Annual electricity consumption ^(*)	kWh/a	372	469	715
	SCOP		6.7	6.5	6.4
Heating (Colder Season)	Design load	kW	4.7	5.9	8.8
	Declared Capacity	at reference design temperature	3.7	4.0	5.6
		at bivalent temperature	3.2	4.0	6.0
		at operation limit temperature	2.6	2.6	4.0
	Back up heating capacity	kW	1.0	1.9	3.2
	Annual electricity consumption ^(*)	kWh/a	2407	3083	5157
	SCOP		4.1	4.0	3.5
			A+	A+	A

Type			Inverter Heat Pump					
Indoor Unit			MSZ-LN25VG2		MSZ-LN35VG2		MSZ-LN50VG2	
Outdoor Unit			MUZ-LN25VG2	MUZ-LN25VGHZ2	MUZ-LN35VG2	MUZ-LN35VGHZ2	MUZ-LN50VG2	MUZ-LN50VGHZ
Refrigerant			R32 ^(*)					
Cooling	Design load	kW	2.5	2.5	3.5	3.5	5	5.0
	Annual electricity consumption ^(*)	kWh/a	83	83	129	130	205	230
	SEER		10.5	10.5	9.5	9.4	8.5	7.6
	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	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	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	2.5 (-15°C)	2.3 (-25°C)	3.2 (-15°C)	3.1 (-25°C)	4.2 (-15°C)	4.7 (-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 ^(*)	kWh/a	369	382	431	467	602	779
	SCOP		6.4	6.6	6.5	6.5	5.8	5.9
Heating (Colder Season)	Design load	kW	—	4.7 (-22°C)	—	5.9 (-22°C)	—	8.8 (-22°C)
	Declared Capacity	at reference design temperature	—	2.6 (-22°C)	—	3.4 (-22°C)	—	5.1 (-22°C)
		at bivalent temperature	—	3.2 (-10°C)	—	4.0 (-10°C)	—	6.0 (-10°C)
		at operation limit temperature	—	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 ^(*)	kWh/a	—	2425	—	3075	—	5340
	SCOP		—	4.0	—	4.0	—	3.4
			—	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 ^(*)		
Cooling	Design load	kW	2.5	3.5	5.0
	Annual electricity consumption ^(*)	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	1.8 (2°C)	2.2 (2°C)	2.7 (2°C)
		at bivalent temperature	1.8 (2°C)	2.2 (2°C)	2.7 (2°C)
		at operation limit temperature	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 ^(*)	kWh/a	432	527	684
	SCOP		5.8	5.8	5.5
Heating (Colder Season)	Design load	kW	4.7 (-22°C)	5.9 (-22°C)	7.4 (-22°C)
	Declared Capacity	at reference design temperature	3.1 (-22°C)	3.7 (-22°C)	4.0 (-22°C)
		at bivalent temperature	3.2 (-10°C)	4.0 (-10°C)	5.0 (-10°C)
		at operation limit temperature	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 ^(*)	kWh/a	2766	3453	4707
	SCOP		3.5	3.5	3.3
			A	A	B

Type			Inverter Heat Pump									
Indoor Unit			MSZ-AP15VG	MSZ-AP20VG	MSZ-AP25VG	MSZ-AP35VG	MSZ-AP42VG	MSZ-AP50VG	MSZ-AP60VG	MSZ-AP71VG	MSZ-AP11VG	MSZ-AP17VG
Outdoor Unit			MUZ-AP15VG	MUZ-AP20VG	MUZ-AP25VG	MUZ-AP35VG	MUZ-AP42VG	MUZ-AP50VG	MUZ-AP60VG	MUZ-AP71VG	MUZ-AP11VG	MUZ-AP17VG
Refrigerant			R32 ^(*)									
Cooling	Design load	kW	1.5	2.0	2.5	3.5	4.2	4.2	5.0	5.0	6.1	7.1
	Annual electricity consumption ^(*)	kWh/a	72	81	116	116	171	196	246	246	288	345
	SEER		7.2	8.6	7.6	7.6	7.2	7.5	7.2	7.2	7.4	7.2
	Energy efficiency class		A++	A+++	A++	A++	A++	A++	A++	A++	A++	A++
Heating (Warmer Season)	Design load	kW	0.9 (2°C)	1.3 (2°C)	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)	2.5 (2°C)
	Declared Capacity	at reference design temperature	0.9 (2°C)	1.3 (2°C)	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)	2.5 (2°C)
		at bivalent temperature	0.9 (2°C)	1.3 (2°C)	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)	2.5 (2°C)
		at operation limit temperature	1.6 (-15°C)	2.2 (-15°C)	2.0 (-15°C)	1.6 (-20°C)	2.2 (-15°C)	1.6 (-20°C)	3.4 (-15°C)	2.2 (-20°C)	2.3 (-20°C)	3.7 (-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)	0.0 (2°C)	0.0 (2°C)	0.0 (2°C)
	Annual electricity consumption ^(*)	kWh/a	265	350	337	337	923 / 418	417	507	507	563	627
	SCOP		4.7	5.2	5.4	5.4	5.4	5.8	5.8	5.7	5.7	5.8
			A++	A+++	A+++	A+++	A+++	A+++	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 ^(*)	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)	2.1 (2°C)	2.3 (2°C)
		at bivalent temperature	kW	1.3 (2°C)	1.3 (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)	3.5 (-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 ^(*)	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 ^(*)	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)
		at bivalent temperature	kW	0.9 (2°C)	1.1 (2°C)	1.3 (2°C)
		at operation limit temperature	kW	1.3 (-15°C)	1.7 (-15°C)	2.1 (-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 ^(*)	kWh/a	234	268	304	543
	SCOP ^(*)		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 ^(*)	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)
		at bivalent temperature	kW	1.1 (2°C)	1.3 (2°C)	1.6 (2°C)	2.1 (2°C)	2.5 (2°C)
		at operation limit temperature	kW	1.9 (-10°C)	2.4 (-10°C)	2.9 (-10°C)	3.8 (-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 ^(*)	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 ^(*)	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)
		at bivalent temperature	kW	1.1 (2°C)	1.3 (2°C)
		at operation limit temperature	kW	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)
	Annual electricity consumption ^(*)	kWh/a	287	351	508
	SCOP		5.3	5.1	5.3
	Energy efficiency class		A+++	A+++	A+++

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 ^(*)					
Cooling	Design load	kW	2.5	2.5	3.5	3.5	5.0	5.0
	Annual electricity consumption ^(*)	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)
		at bivalent temperature	kW	1.7 (2°C)	1.8 (2°C)	2.0 (2°C)	2.2 (2°C)	2.5 (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)
	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 ^(*)	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+++

(*) 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.

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

(*) 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-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 ^(*)							
Cooling	Design load	kW	2.5	2.5	3.5	3.5	4.2	4.2	5.0	5.0
	Annual electricity consumption ^(**)	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)	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)	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)
	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 ^(**)	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 ^(*)			
Cooling	Design load	kW	6.1	7.1	2.5	3.1
	Annual electricity consumption ^(**)	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)
		at bivalent temperature	kW	2.5 (2°C)	3.7 (2°C)	1.1 (2°C)
		at operation limit temperature	kW	3.7 (-15°C)	5.4 (-15°C)	1.6 (-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 ^(**)	kWh/a	664	963	304	362
	SCOP ^(*)		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 ^(*)						
Cooling	Design load	kW	2.5	3.1	5.0	6.1	7.1	2.5	3.1
	Annual electricity consumption ^(**)	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+	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)
		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)
		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)
	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 ^(**)	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++	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.

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

(*) 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.