

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-RZ SERIES R290  25/35 SEER 25/35 SCOP 	MSZ-RW SERIES R32 R410A *1  25/35/50 SEER 25/35 SCOP 25/35 MXZ connection 	MSZ-LN SERIES R32 R410A *1  25/35/50 SEER 25/35 SCOP 25/35 MXZ connection 
MSZ-AY SERIES R32 R410A *1 MSZ-AY25/35/42/50VGK(P)  MSZ-AY15/20VGK(P) 25/35 SEER 25-50 SCOP MXZ connection 	MSZ-AP SERIES R32 R410A *1  60 SEER 60 SCOP MXZ connection 	MSZ-E SERIES R32 R410A *1  25/35 SEER 25/35 SCOP MXZ connection 
MSZ-BT SERIES R32  25/35 SEER SCOP MXZ connection 	MSZ-HR SERIES R32 MSZ-HR60/71VF(K)  MSZ-HR25-50VF(K) 60 SEER 60 SCOP MXZ connection 	MSZ-DW SERIES R32  25/35 SEER SCOP MXZ connection 
MSY-TP SERIES R32  35 SEER 	Floor-standing MFZ SERIES R32 R410A *1  35 SEER 35 SCOP MXZ connection 	Cassette Units MLZ SERIES R32 R410A *1  MLZ-KP25/35/50VG MLZ-KY20VG MXZ connection 
  Energy Rank  Compatible for connection to MXZ Series system		
R290 R290 Refrigerant R32 R32 Refrigerant R410A R410A Refrigerant *1 R410A for PUMY connection only.		

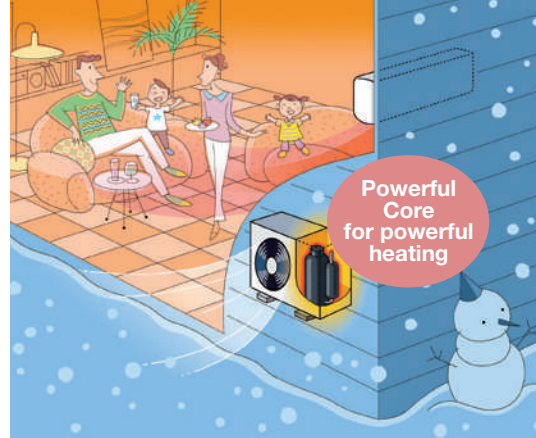
SELECT OUTDOOR UNIT		
Some outdoor units in the line-up have heaters for use in cold regions. Units with an "H" in the model name are equipped with heaters.		
Heater Installed MUZ-AY25/35/42/50VGH2 MUZ-EF25/35VGH2  MUZ-AY50VGH	Hyper Heating MUZ-RZ25/35/50VUHZ2 MUZ-RW25/35/50VGHZ2 MUZ-LN25/35/50VGHZ2 MUZ-FT25/35/50VGHZ2 MUZ-KW25/35/50/60VGHZ2  MUZ-LN50VGHZ2	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-RZ ^{R290} SERIES

The RZ series is the first split model we have launched in Europe using the more environmentally friendly refrigerant R290. It is also our new flagship model, available in both standard and HyperHeating lineups, offering superior comfort with innovative features, including a new Circulator Mode and a new Low Noise Mode.



MSZ-RZ25/35/50VU



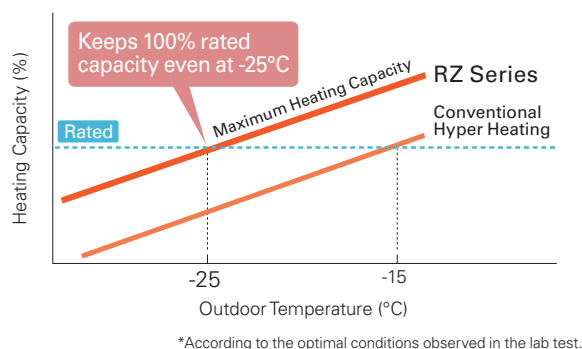
Heating Performance

Despite the many challenges in developing a new system with the R290 refrigerant, the RZ series boasts industry-leading heating performance. It delivers not only high energy efficiency but also maintains 100% rated capacity even at -25°C.

High Energy Efficiency

RZ25	A+++	SCOP 5.3
RZ35	A+++	SCOP 5.2

Improved Heating Capacity



Longer Continuous Heating Operation

The RZ series features advanced frost-detection technology, allowing for up to 150 minutes of continuous heating operation with fewer defrosting cycles compared to conventional technology. We have further improved this frost-detecting technology with the addition of Assist Defrost Work. Assist Defrost is only activated in cases of significant frost accumulation or in extremely cold environments. This function utilizes heat from the defroster to melt the frost on the fan and grill, ensuring efficient operation.

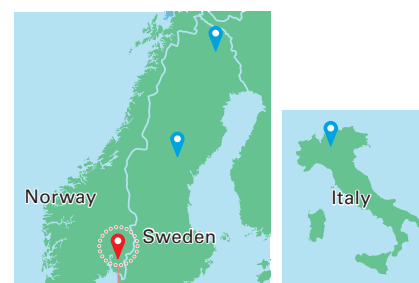


Heating Operation Defrosting Assisting Defrosting

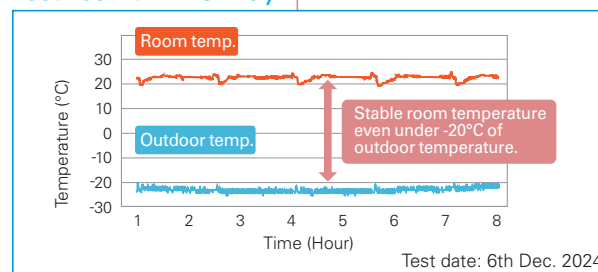
*1 The time for heating and defrosting operation depends on the environmental conditions.

Tested in Sweden and Norway and Italy

We have conducted field tests in several cold and humid regions. The test results confirm that the RZ series delivers remarkable heating performance and is capable of providing stable comfort even in extremely low ambient temperatures. Additionally, the field test results show that the new defrost improvement is very effective and successful.



Test result in Norway



3D i-see Sensor

3D i-see sensor with the sophisticated hemispherical design measures the temperature of the room with an infrared sensor and detects the position of people, which allows you to choose your preferable airflow such as indirect and direct airflow.



*Image is for illustration purposes.

New Circulator Mode



The new circulator mode enhances room comfort by using the i-See sensor to detect temperature variations between the ceiling and the floor. It circulates warm air from the ceiling to the floor until the temperature difference is minimized. By this way this mode not only improves comfort but also enhances energy efficiency.

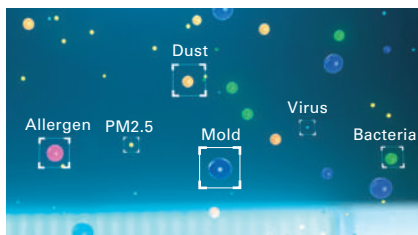
Conventional Circulator Mode



The conventional circulator mode is also available in the RZ series. In heating mode, once the set temperature is reached, the indoor unit automatically switches to FAN mode to circulate air and eliminate temperature inconsistencies in the room. The two vanes can be set in different directions, which ensures effective air circulation throughout the entire house.

Plasma Quad Plus

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



*Images are for illustration purposes.

Virus (Airborne)

99% inhibited^{*1}

^{*1} Tested Organization: vrc. Center, SMC Test Report No: 28-002 Test Method: JEM1467 Test result: Neutralised 99% of Influenza A virus in 72 minutes in a 25m³ test space.

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



We have confirmed Plasma Quad Plus inhibits 99.8% of adhered COVID-19. ^{*2}



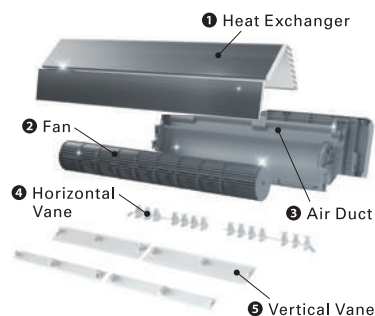
Dual Barrier Coating

Mitsubishi Electric's Dual Barrier Coating prevents dust and greasy dirt from accumulating on the inner surfaces of the indoor unit, keeping your air conditioner clean. The two-layer coating consists of a hydrophilic surface and a hydrophobic surface. The hydrophilic layer repels oily dirt, while the hydrophobic layer prevents fiber and dust from adhering.



Dual Barrier Material

The Dual Barrier Material provides the same antifouling effect as the Dual Barrier Coating. It is integrated into the horizontal and vertical vane materials, which are typically difficult to apply coatings to. Combined with the Dual Barrier Coating, the entire air passage of the indoor unit stays clean throughout the year.



*Image is for illustration purposes.

^{*3} 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.html

Drive Mode Selector

Wide Room Mode

Provides a better air distribution in your room and raises the comfort level.

Eco Mode

Suppresses a sharp increase in energy consumption by a gradual start-up operation.

Low Noise Mode for Enhanced Comfort

Low Noise Mode offers a two-stage setting: 1. Single click: Only the outdoor unit operates more quietly. 2. Double click: The remote controller beep sound is turned off, the indoor unit's lamp is dimmed, and the outdoor unit operates even more quietly. We recommend using setting 1 during the day and setting 2 at night for optimal comfort.

Low Noise Mode			
Click	Remote controller Beep	Indoor unit Lamp	Outdoor unit noise
	ON	ON	LOW
	OFF	DIM	VERY LOW

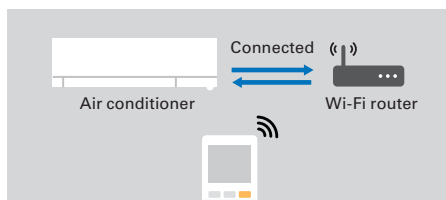
Built-in Wi-Fi™ & App Control

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



Easy Wi-Fi Set Up

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



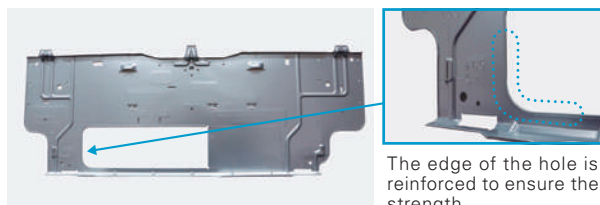
Remote Controller with Backlight

The remote controller screen is equipped with LED backlight. The luminous screen allows you to check the setting easily even in the dark.



Back Plate with a Hole

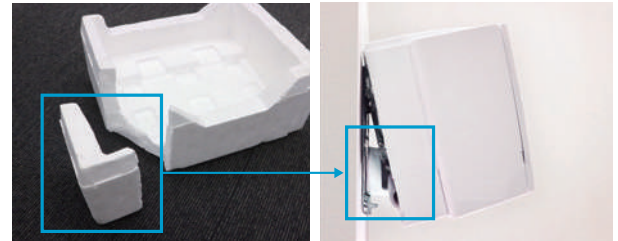
With a hole as default in the center of the back plate, the piping can be easily taken out from the back. The edge of the hole is reinforced to ensure the strength.



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

Spacer

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



Bottom Removable Structure

The corner box and the bottom panel are individually removable, and it makes easy to insert tools even in the case of left-side piping.



Easy Plugging/Unplugging of Drain Hose

One-touch structure with screw-free claw fixing. Easy to plug and unplug the drain hose when changing on the left and right.



MSZ-RZ SERIES

R290

DC Inverter

Joint Lip

DC Fan Motor

PAM

Grooved Piping

SEER SCOP

Indoor Unit / Remote Controller

<White>



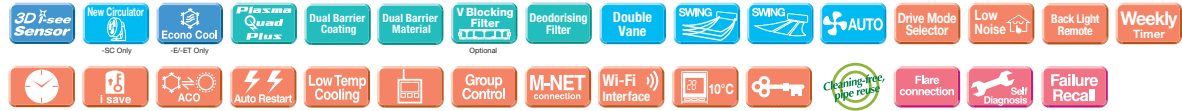
MSZ-RZ25/35/50VU



Outdoor Unit



MUZ-RZ25/35VU



Type				MSZ-RZ25VU		MSZ-RZ35VU		
Indoor Unit				MUZ-RZ25VU		MUZ-RZ35VU		
Outdoor Unit								
Refrigerant				R290 ⁽¹⁾				
Power Supply	Source			Outdoor Power supply				
	Outdoor (V/Phase/Hz)			230/Single/50				
Cooling	Design Load		kW	2.5		3.5		
	Annual Electricity Consumption ⁽²⁾		kWh/a	75		127		
	SEER ⁽⁴⁾			11.7		9.6		
	Energy Efficiency Class		A+++					
	Capacity							
			Rated	kW	2.5		3.5	
		Min-Max	kW	0.9 - 3.5		1.0 - 4.0		
Total Input		Rated	kW	0.450		0.770		
Heating (Average Season)	Design Load		kW	3.0		3.6		
	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)	
			at operation limit temperature	kW	3.5 (−20°C)		4.2 (−20°C)	
	Back Up Heating Capacity		kW	0.0				
	Annual Electricity Consumption ⁽²⁾		kWh/a	782		965		
	SCOP ⁽⁴⁾			5.3		5.2		
	Energy Efficiency Class		A+++					
	Capacity							
		Rated	kW	3.2		4.0		
		Min-Max	kW	0.8 - 5.4		1.1 - 6.3		
Total Input		Rated	kW	0.580		0.810		
Operating Current (Max)				A		9.9		
Indoor Unit	Input		Rated	kW	0.021		0.026	
	Operating Current (Max)			A	0.21		0.25	
	Dimensions		H*W*D	mm	305 - 998 - 247			
	Weight			kg	14.4			
	Air Volume (SLo-Lo-Mid-Hi-SHi ⁽³⁾)		Cooling	m³/min	5.1 - 6.5 - 9.0 - 10.5 - 11.7		5.1 - 6.9 - 9.0 - 11.5 - 14.1	
			Heating	m³/min	5.1 - 7.8 - 9.5 - 11.7 - 14.1		5.1 - 7.8 - 9.5 - 11.7 - 15.3	
	Sound Level (SPL) (SLo-Lo-Mid-Hi-SHi ⁽³⁾)		Cooling	dB(A)	19 - 23 - 29 - 36 - 42		19 - 24 - 29 - 36 - 43	
			Heating	dB(A)	19 - 25 - 30 - 36 - 41		19 - 25 - 30 - 36 - 42	
	Sound Level (PWL)		Cooling	dB(A)	58		59	
	Outdoor Unit	Dimensions		H*W*D	mm	714 - 800 - 285		
Weight			kg	37.5		39.5		
Air Volume		Cooling	m³/min	36		38.7		
		Heating	m³/min	38.7		42		
Sound Level (SPL)		Cooling	dB(A)	46		49		
		Heating	dB(A)	49		50		
Sound Level (PWL)		Cooling	dB(A)	60		61		
Operating Current (Max)			A	9.6				
Breaker Size			A	10				
Ext.Piping		Diameter		Liquid/Gas	mm	6.35 / 9.52		
	Chargeless Piping Lengh		Out-In	m	10			
	Max.Length		Out-In	m	20			
	Max.Height		Out-In	m	12			
Guaranteed Operating Range (Outdoor)				Cooling	°C		−10 ~ +50	
				Heating	°C		−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 uid with a GWP of 3. This means that if 1 kg of this refrigerant uid would be leaked to the atmosphere, the impact on global warming would be 3 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 R290 is 3 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 Peak values, based on the measurement environment of the Corporation.

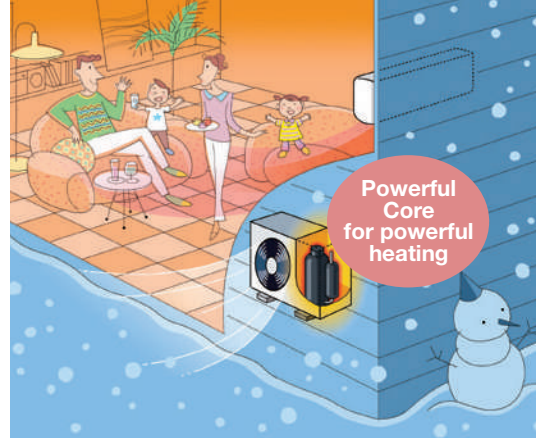
MSZ-RW SERIES

R32 R410A
Single / MXZ, PUMY PUMY

As a flagship model, RW series realises further outstanding heating performances under extremely cold outdoor temperature even with high energy efficiency. Moreover, excellent air purifying functions and many other smart features deliver a great comfort to you.



MSZ-RW25/35/50VG2



Powerful Core for powerful heating

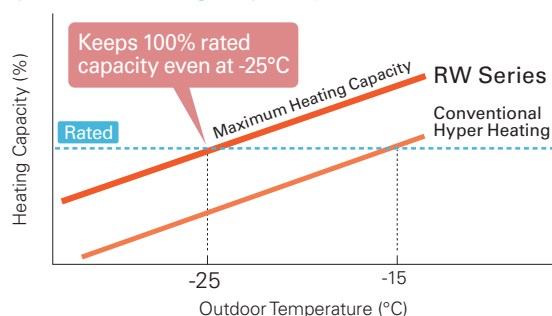
Heating Performance

Excellent heating performance of RW series delivers the prime warmth into your room. RW series' powerful compressor realises remarkable maximum heating capacity in low ambient temperature with a high energy efficiency. Also, RW series performs 100% rated capacity even at -25°C, and the operation is guaranteed down to -30°C for all classes (25/35/50).

High Energy Efficiency

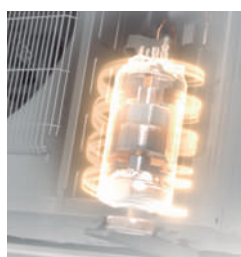
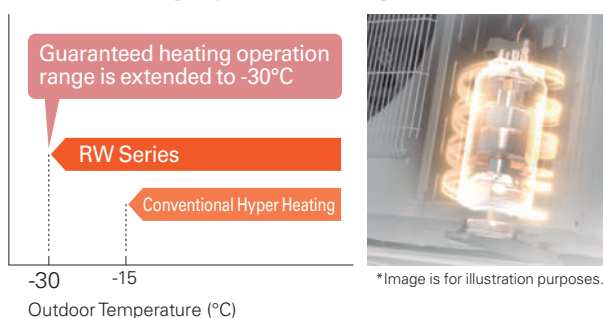
RW25	A+++	SCOP 5.2
RW35	A+++	SCOP 5.1
RW50	A++	SCOP 4.6

Improved Heating Capacity



According to the optimal conditions observed in the lab test.

Wider Heating Operation Range



*Image is for illustration purposes.

Longer Continuous Heating Operation

The RW series features advanced frost-detection technology, allowing for up to 150 minutes of continuous heating operation with fewer defrosting cycles compared to traditional technology. We have further improved this frost-detecting technology with the addition of Assist Defrost Work. Assist Defrost is only activated in cases of significant frost accumulation or in extremely cold environments. This function utilizes heat from the defroster to melt the frost on the fan and grill, ensuring efficient operation.

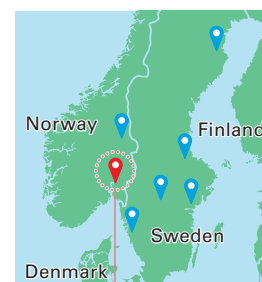


Heating Operation Defrosting Assisting Defrosting

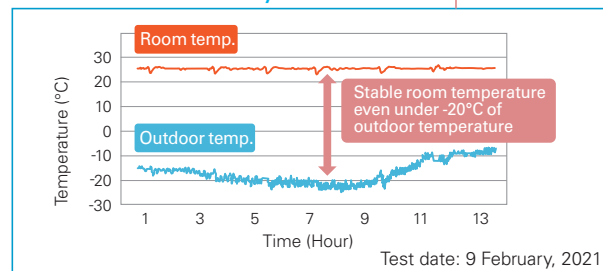
*1 The time for heating and defrosting operation depends on the environmental conditions.

Tested in Sweden and Norway

We have conducted field tests in several cold sites and received high user satisfactions with sufficient air volume and remarkable heating performance of RW series. As the test result shows, we confirmed that RW series provides stable indoor comfortability even in extremely low ambient temperature.



Test result in Norway



3D i-see Sensor

3D i-see sensor with the sophisticated hemispherical design measures the temperature of the room with an infrared sensor and detects the position of people, which allows you to choose your preferable airflow such as indirect and direct airflow.



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Circulator Mode

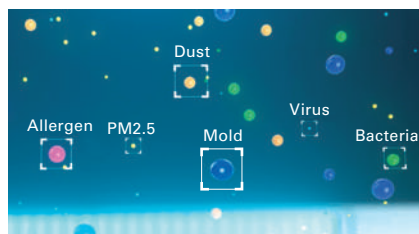
In heating mode, after reaching the setting temperature, indoor unit automatically starts FAN mode to circulate the air and eliminate temperature unevenness in your room.



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Plasma Quad Plus

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



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Virus (Airborne)

99% inhibited^{*1}

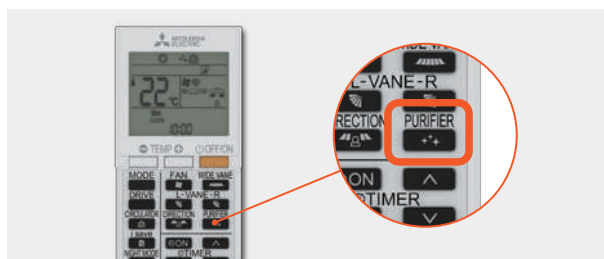
^{*1} Tested Organization: vrc. Center, SMC Test Report No: 28-002 Test Method: JEM1467 Test result: Neutralised 99% of Influenza A virus in 72 minutes in a 25m³ test space.

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We have confirmed Plasma Quad Plus inhibits 99.8% of adhered COVID-19. ^{*2}

Quick Air Purifying Set

If you press "PURIFIER" button when the unit is turned off, Plasma Quad Plus starts to operate with a fan mode and purifies the air in your room.



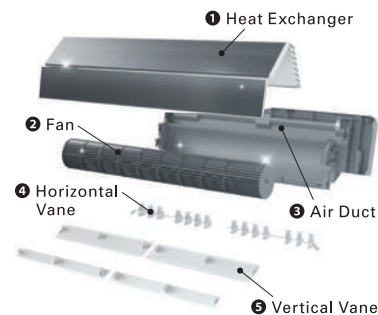
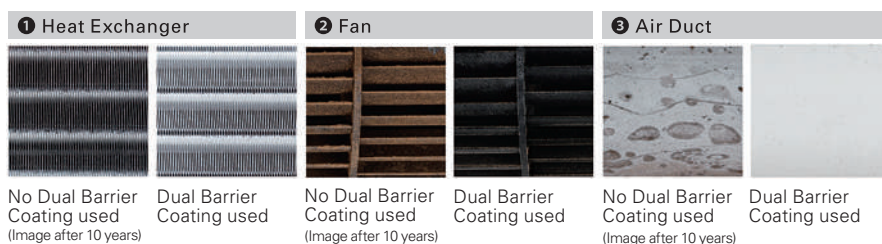
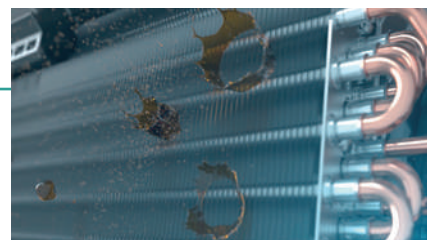
Deodorising Filter

The catalyst in Deodorising Filter denatures the odorous components and destroys them from the source of the odour, quickly delivering fresh air to your room.



Dual Barrier Coating

Mitsubishi Electric's Dual Barrier Coating prevents dust and greasy dirt from accumulating on the inner surface of the indoor unit; keeping your air conditioner clean. Two barrier coating prevents hydrophilic dirt penetration, and "hydrophilic particles" prevent hydrophobic dirt from getting into the air conditioner.



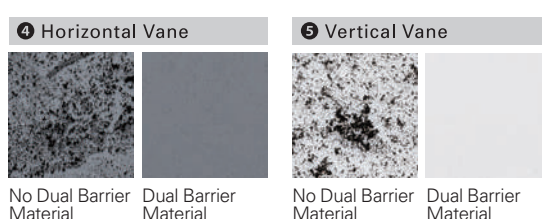
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Dual Barrier Material

SIAA ^{*3}
Anti Fungus
JP0512075X0001C
(Horizontal Vane, Vertical Vane)

Dual Barrier Material performs the same antifouling effect as Dual Barrier Coating, and it is kneaded into horizontal vane and vertical vane material which are hard to apply coating to. Combined with Dual Barrier Coating, the whole air passage of indoor unit is kept clean all year round.



*Comparison of stains after 10 years of use (based on internal research)

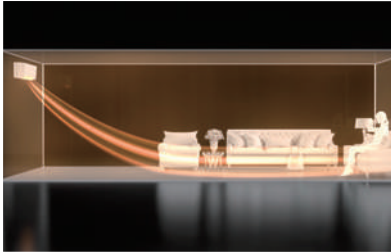
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Drive Mode Selector

Drive Mode Selector allows you to select a preferred control setting according to your residential environment from three modes, Wide Room mode, Quiet mode, and Eco mode.

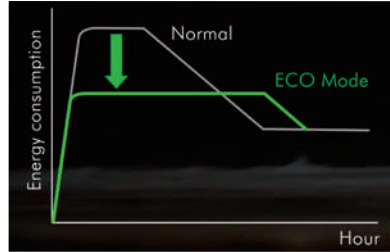
Wide Room Mode

Provides a better air distribution in your room and raises the comfort level.



Eco Mode

Suppresses a sharp increase in energy consumption by a gradual start-up operation.



Quiet Mode

Lowers operation noise level, creating a quieter and peaceful environment.



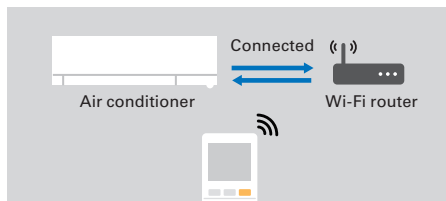
Built-in Wi-Fi & App Control

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



Easy Wi-Fi Set Up

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



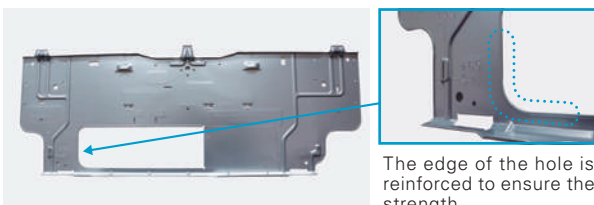
Remote Controller with Backlight

The remote controller screen is equipped with LED backlight. The luminous screen allows you to check the setting easily even in the dark.



Back Plate with a Hole

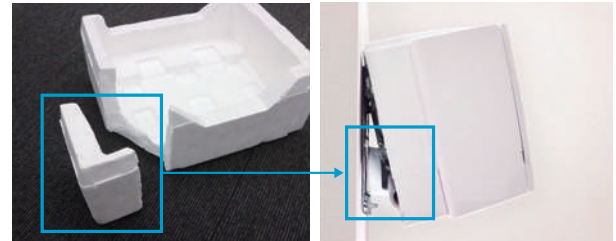
With a hole as default in the center of the back plate, the piping can be easily taken out from the back. The edge of the hole is reinforced to ensure the strength.



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

Spacer

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



Bottom Removable Structure

The corner box and the bottom panel are individually removable, and it makes easy to insert tools even in the case of left-side piping.



Easy Plugging/Unplugging of Drain Hose

One-touch structure with screw-free claw fixing. Easy to plug and unplug the drain hose when changing on the left and right.



MSZ-RW SERIES



Indoor Unit / Remote Controller

<White>



MSZ-RW25/35/50VG2

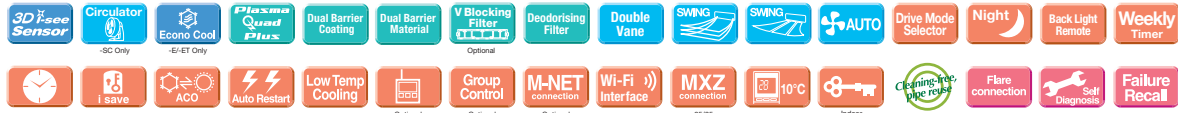
Outdoor Unit



MUZ-RW25/35VGHZ2



MUZ-RW50VGHZ2



Type			Inverter Heat Pump			
Indoor Unit			MSZ-RW25VG2	MSZ-RW35VG2	MSZ-RW50VG2	
Outdoor Unit			MUZ-RW25VGHZ2	MUZ-RW35VGHZ2	MUZ-RW50VGHZ2	
Refrigerant			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	78	130	230	
	SEER ^{(*)4}		11.2	9.4	7.6	
		Energy Efficiency Class	A+++		A++	
	Capacity	Rated	kW	2.5	3.5	5.0
		Min - Max	kW	0.7 - 3.5	1.0 - 4.0	1.4 - 5.8
	Total Input	Rated	kW	0.44	0.770	1.380
Heating (Average Season) ^{(*)5}	Design Load	kW	3.2	4.0	6.0	
	Declared Capacity	at reference design temperature	kW	3.2 (−10°C)	4.0 (−10°C)	6.0 (−10°C)
		at bivalent temperature	kW	3.2 (−10°C)	4.0 (−10°C)	6.0 (−10°C)
		at operation limit temperature	kW	2.6 (−30°C)		4.0 (−30°C)
	Back Up Heating Capacity	kW	0.0			
	Annual Electricity Consumption ^{(*)2}	kWh/a	856	1097	1800	
	SCOP ^{(*)4}		5.2	5.1	4.6	
		Energy Efficiency Class	A+++		A++	
	Capacity	Rated	kW	3.2	4.0	6.0
		Min - Max	kW	0.8 - 6.3	1.1 - 7.0	1.8 - 8.7
	Total Input	Rated	kW	0.580	0.810	1.450
Operating Current (max)		A	9.8	11.2	15.2	
Indoor Unit	Input	Rated	kW	0.021	0.022	0.041
	Operating Current (max)	A	0.21	0.22	0.37	
	Dimensions	H*W*D	mm	305 - 998 - 247		
	Weight		kg	14.5		
	Air Volume (SLo-Lo-Mid-Hi-SHi ^{(*)3})	Cooling	m³/min	5.1 - 6.5 - 9.0 - 10.5 - 11.7	5.1 - 6.9 - 9.0 - 11.5 - 14.1	7.8 - 9.5 - 11.1 - 13.1 - 16.2
		Heating	m³/min	5.1 - 7.8 - 9.5 - 11.7 - 14.1	5.1 - 7.8 - 9.5 - 11.7 - 14.5	7.8 - 10.7 - 12.5 - 14.7 - 18.2
	Sound Level (SPL) (SLo-Lo-Mid-Hi-SHi ^{(*)3})	Cooling	dB(A)	19 - 23 - 29 - 36 - 42	19 - 24 - 29 - 36 - 43	26 - 30 - 34 - 39 - 45
		Heating	dB(A)	19 - 25 - 30 - 36 - 41	19 - 25 - 30 - 36 - 42	25 - 32 - 37 - 41 - 46
	Sound Level (PWL)	dB(A)	58	59		
Outdoor Unit	Dimensions	H*W*D	mm	714 - 800 - 285	880 - 840 - 330	
	Weight		kg	39.5	40	54
	Air Volume	Cooling	m³/min	35.1	37.8	49.3
		Heating	m³/min	37.8		55.6
	Sound Level (SPL)	Cooling	dB(A)	46	49	51
		Heating	dB(A)	49	50	54
	Sound Level (PWL)	Cooling	dB(A)	60	61	64
	Operating Current (max)	A	9.6	11.0	14.8	
	Breaker Size	A	10	12	16	
	Ext. Piping	Diameter	Liquid / Gas	mm	6.35/9.52	
Max. Length		Out-In	m	20	30	
Max. Height		Out-In	m	12	15	
Guaranteed Operating Range [Outdoor]		Cooling	°C	−10 ~ +46		
		Heating	°C	−30 ~ +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 675. This means that if 1 kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 675 times higher than 1 kg of CO₂ over a period of 100 years. Never try to interfere with the refrigerant circuit yourself or disassemble the product yourself and always ask a professional. The GWP of R32 is 675 in the IPCC 4th Assessment Report.

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

(*)3 SHi: Super High

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

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

MSZ-LN18/25/35/50/60VG3

R32
Single / MXZ, PUMY
R410A
PUMY



**GOOD DESIGN AWARD 2016
BEST 100**

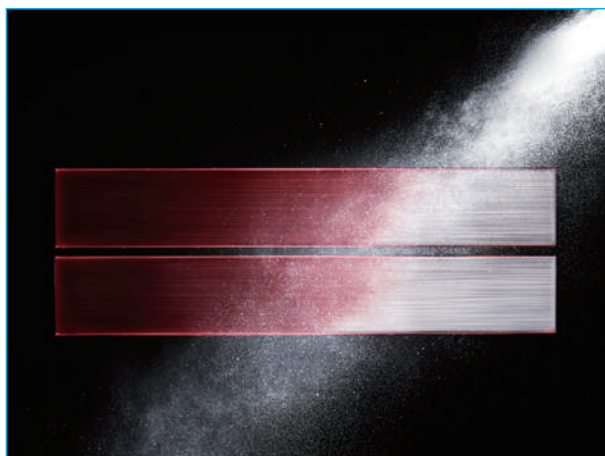
MSZ-LN SERIES

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.



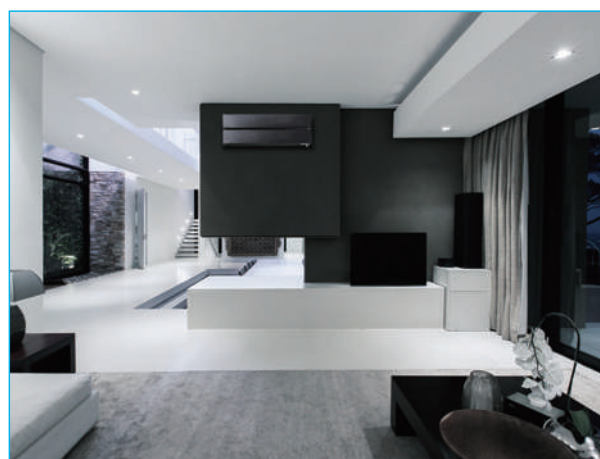
Master craftsmanship painting technology has resulted in a refined design, giving the finish deep colour and a premium quality feel.



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 also the wireless remote controllers come in four colours as well. Each remote controller matches the indoor unit. Even the textures are the same.

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



Pearl White



Ruby Red



Onyx Black

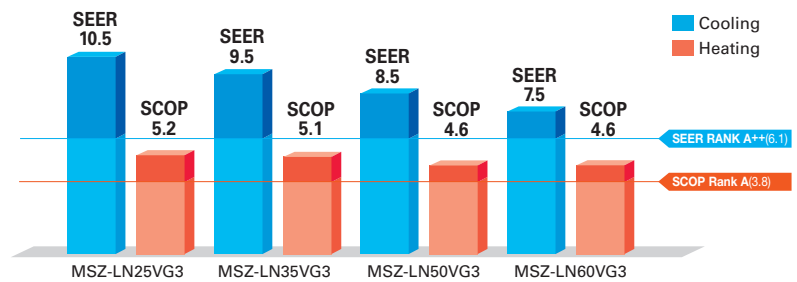


Natural White

High Energy Efficiency

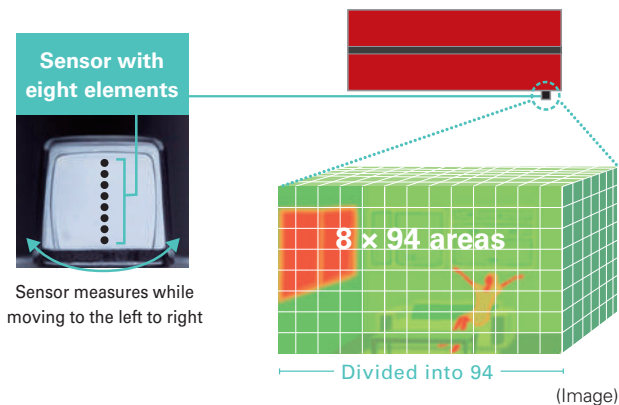


Optimum cooling/heating performance is another feature for the LN series. Models from capacities 25 to 50 have achieved the "Rank A+++" for SEER, and models for capacities 25 and 35 have achieved the "Rank A+++" for SCOP as well.



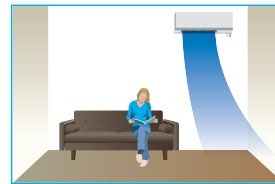
3D i-see Sensor

The LN Series is equipped with 3D i-see Sensor, an infrared-ray sensor that measures the temperature at distant positions. While moving to the left and right, eight vertically arranged sensor elements analyze the room temperature in three dimensions. This detailed analysis makes it possible to judge where people are in the room, thus allowing creation of features such as "Indirect airflow," to avoid airflow hitting people directly, and "direct airflow" to deliver airflow to where people are.



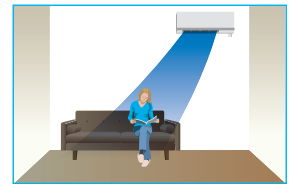
Indirect Airflow

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



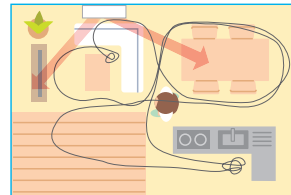
Direct Airflow

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



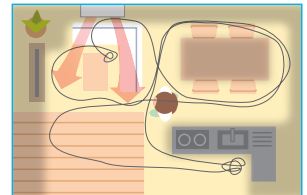
Even Airflow *LN Series only

Normal swing mode



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

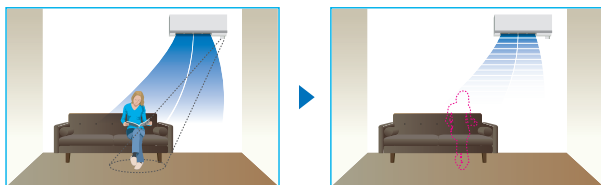
Even airflow mode



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

No occupancy energy-saving mode

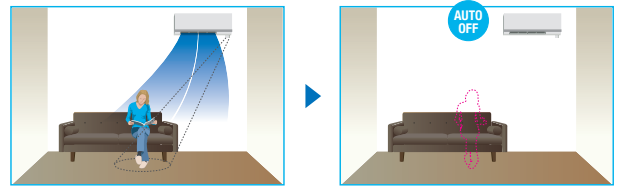
The sensors detect whether there are people in the room. When no-one is in the room, the unit automatically switches to energy-saving mode.



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

No occupancy Auto-OFF mode *LN Series only

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

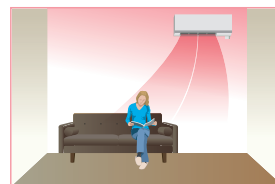


Circulator Operation

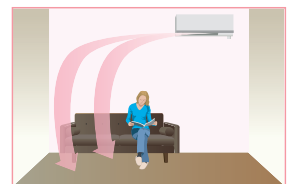
(MSZ-LN18/25/35/50/60VG-SC Scandinavian model)

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

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



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

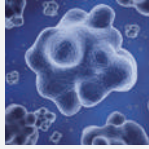


This operation can help to circulate and rene warm air.

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.

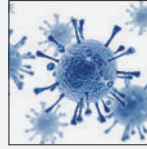
Bacteria



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

<Test No.> KRCS-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

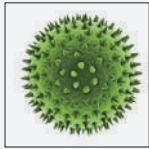
Molds



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

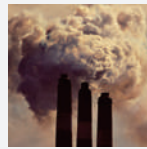
Allergens



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

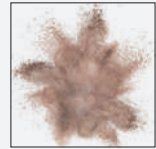
PM2.5



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

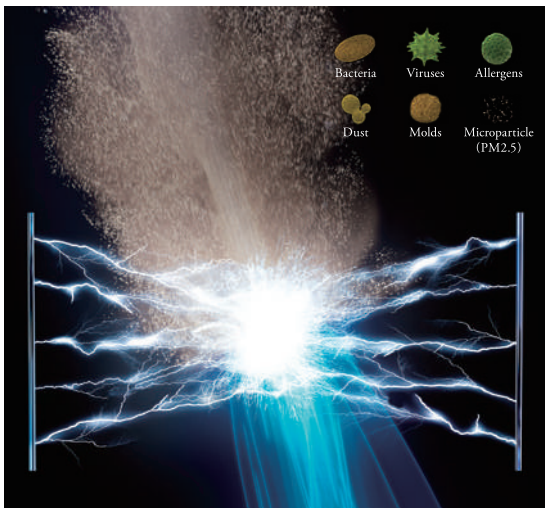
Model	Name	Method	Bacteria	Viruses	Molds	Allergens	Dust	PM2.5*
FH Series	Plasma Quad	One-Stage Plasma	A	A	B	B	C	
LN Series	Plasma Quad Plus	Two-Stage Plasma	A	A	A	A	A	A

A: Highly effective
B: Effective
C: Partially effective

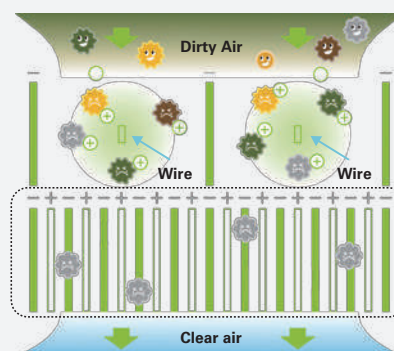
*PM2.5:
Particles smaller than 2.5µm



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 (+).

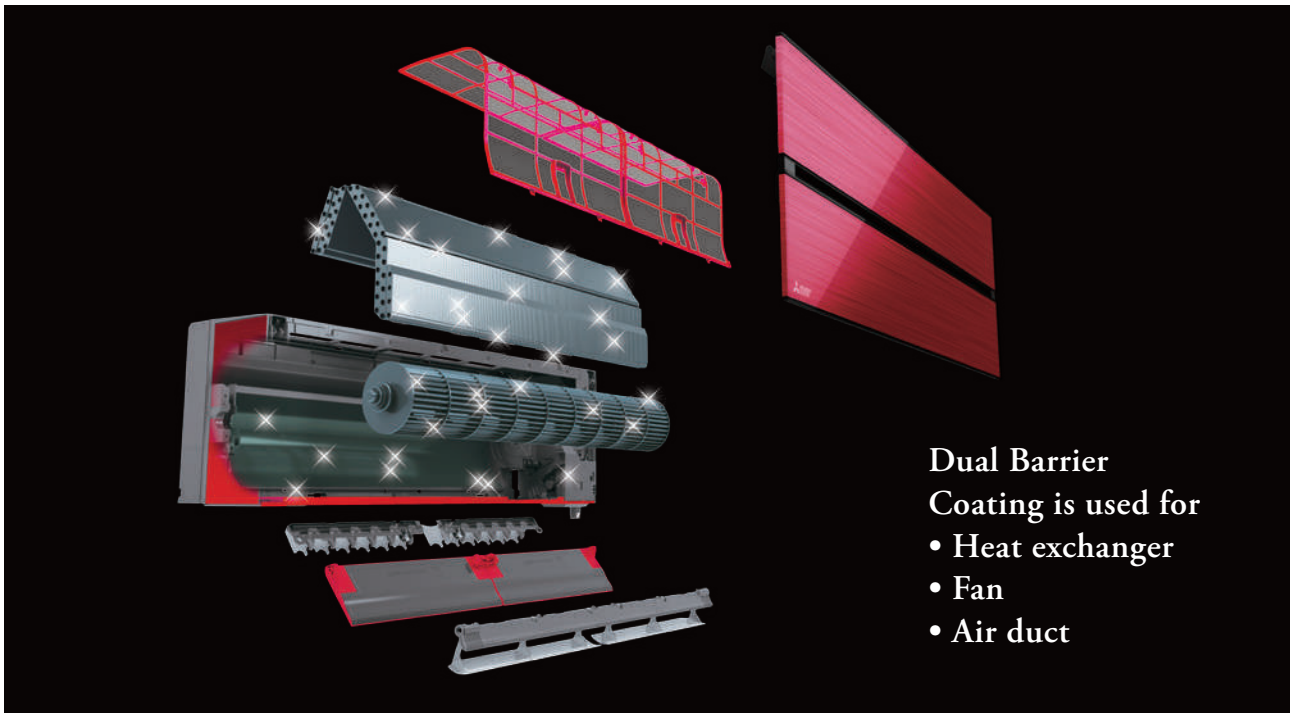
2nd stage

- 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.



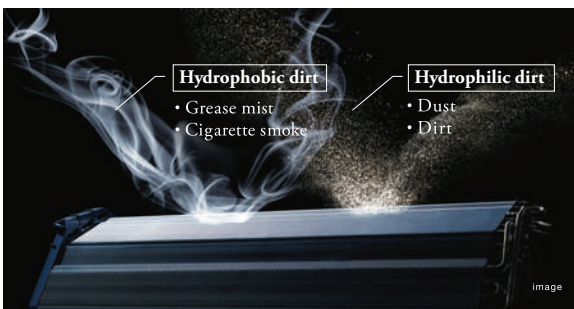
Dual Barrier Coating is used for

- Heat exchanger
- Fan
- Air duct

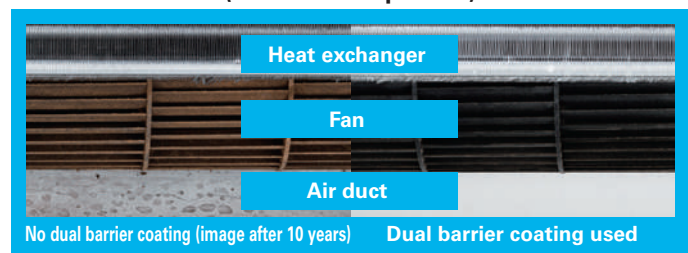
*Image is for illustration purposes.

State-of-the-art Coating Technology

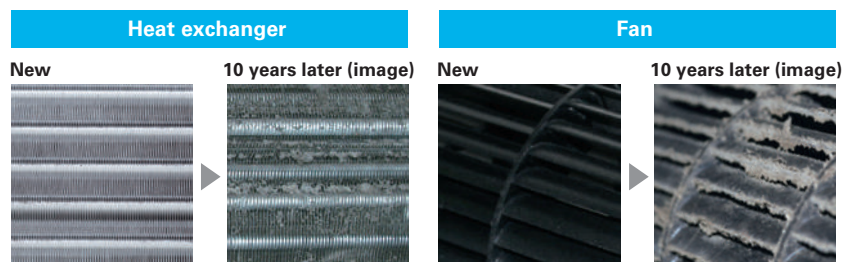
Dirt is generally classified into two groups: hydrophilic dirt such as fiber dust and sand dust, and hydrophobic dirt such as oil and cigarette smoke. Mitsubishi Electric's dual barrier coating works as a two-barrier coating that prevent hydrophilic dirt penetration and "hydrophilic particles" that prevent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



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



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



Consequences when the inside of the indoor unit is left dirty

- Deterioration in energy efficiency
- Musty smell from the unit

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.



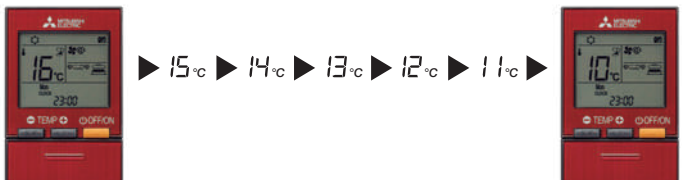
Low Noise Mode for Enhanced Comfort

Low Noise Mode offers a two-stage setting: 1. Single click: Only the outdoor unit operates more quietly. 2. Double click: The remote controller beep sound is turned off, the indoor unit's lamp is dimmed, and the outdoor unit operates even more quietly. We recommend using setting 1 during the day and setting 2 at night for optimal comfort.

Low Noise Mode			
Click	Remote controller Beep	Indoor unit Lamp	Outdoor unit noise
	ON	ON	LOW
	OFF	DIM	VERY LOW

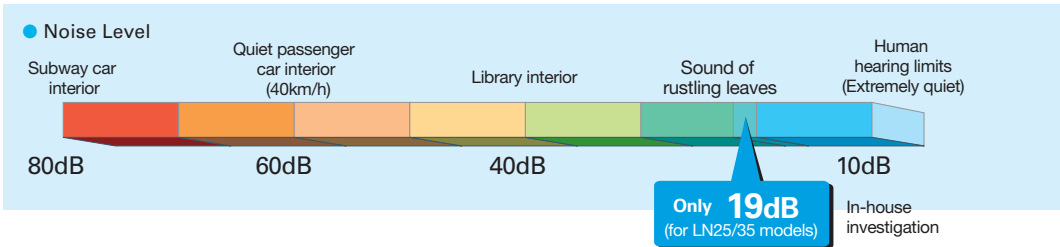
10°C Heating

During heating operation, the temperature can be set in 1°C increments down to 10°C. This function can also be used with the Weekly Timer setting.



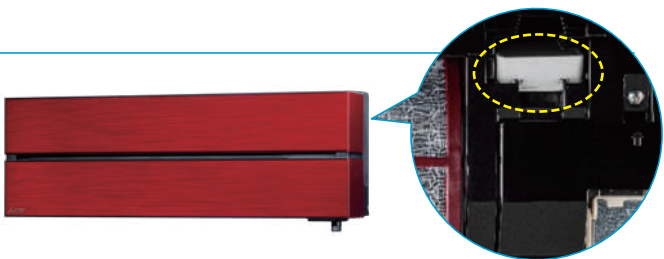
Quiet Operation

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



Built-in Wi-Fi Interface

The indoor unit is equipped with a Wi-Fi Interface inside an exclusive pocket in the unit. This eliminates the need to install a Wi-Fi interface, and also contributes to the beautiful appearance since the interface is hidden.



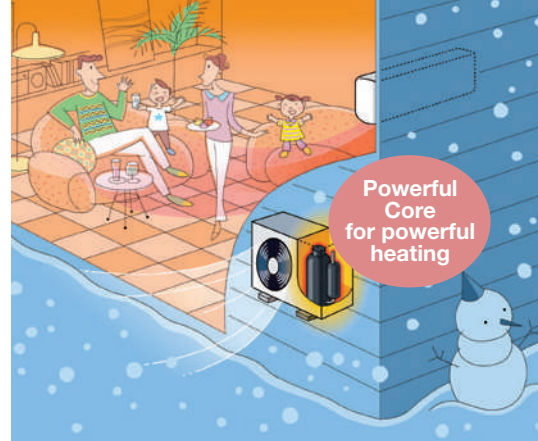
LN VGHZ SERIES

R32 R410A
Single / MXZ, PUMY PUMY

Unlike conventional air conditioning systems, the LN Series don't lose heating capacity when it's cold outside. Original technologies ensure excellent heating performance under extremely low outdoor temperatures and an impressive guaranteed operating range.

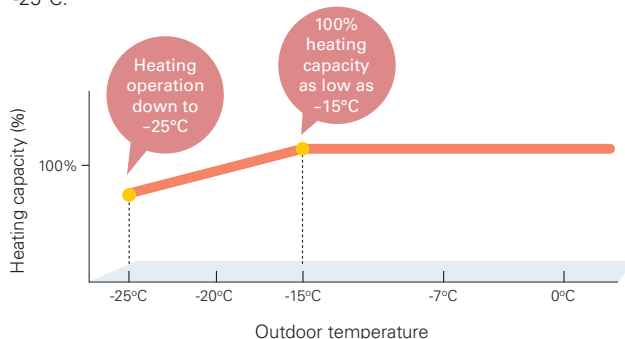


MSZ-LN25/35/50VG3



Unparalleled Heating Performance

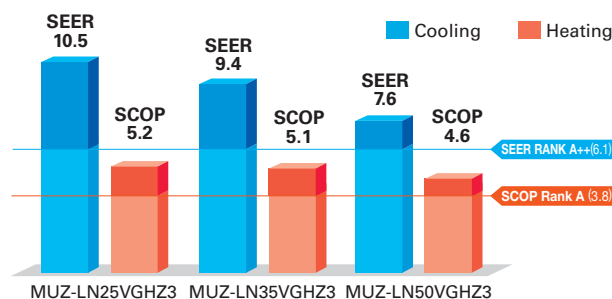
LN Series outdoor units are equipped with a high-output compressor that provides enhanced heating performance under low outdoor temperatures. The heating operation range is extended down to -25°C.



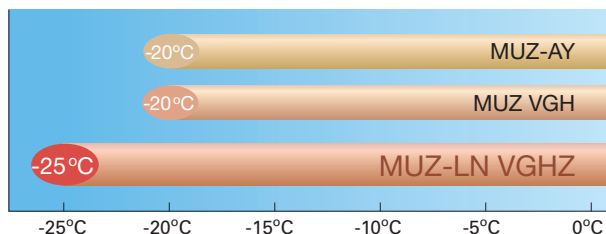
High Energy Efficiency – Energy Rank of A+ or Higher for All Models

DC Inverter

With indoor units that combine functionality, design and capacity and outdoor units equipped with a high-efficiency compressor, the MUZ-LN VGHZ simultaneously achieves high heating capacity and energy-saving performance.



Operating Range



Freeze-prevention Heater Equipped as Standard

The Freeze-prevention heater restricts lowered capacity and operation shutdowns caused by the drain water freezing. This supports stable operation in low-temperature environments.

Can operate at Outdoor temperature of -25°C



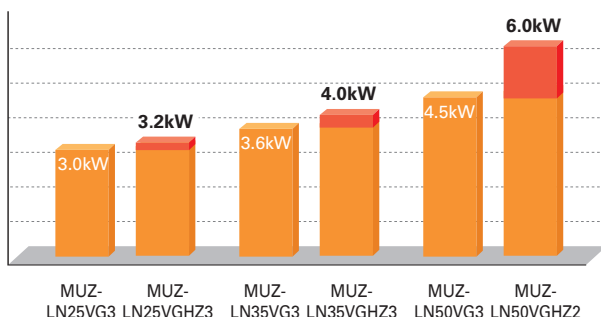
Without Freeze-prevention heater



With Freeze-prevention heater

* Image is for illustration purposes. The actual performance depends on outdoor temperature.

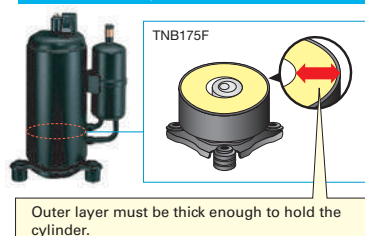
Declared Capacity (at reference design temperature)



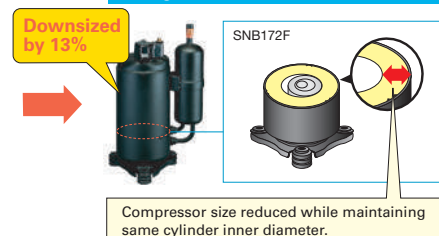
Compact, Powerful Compressor

A special manufacturing technology, "Heat Caulking Fixing Method," has been introduced to reduce compressor size while maintaining a high compressor output. This technology enables the installation of a powerful compressor in compact MUZ outdoor units. As a result, excellent heating performance is achieved when operating in cold outdoor environments.

Compressor fixed using conventional method (Arc spot-welded method)



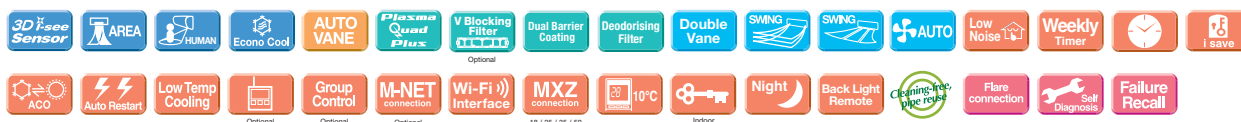
Compressor fixed using Heat Caulking Fixing Method



R32 **R410A**



R32



(*) 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 675. If more than 1 kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 675 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.

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

(*) SH: Super High

(*) 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".

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

MSZ-LN VGHZ SERIES



Indoor Unit / Remote Controller



<Pearl White>



MSZ-LN25/35/50VG3V

<Ruby Red>



MSZ-LN25/35/50VG3R

<Natural White>



MSZ-LN25/35/50VG3W

<Onyx Black>



MSZ-LN25/35/50VG3B

Outdoor Unit



MUZ-LN25/35VGHZ3



MUZ-LN50VGHZ3



Type	Inverter Heat Pump		
Indoor Unit	MSZ-LN25VG3(W)(V)(R)(B)	MSZ-LN35VG3(W)(V)(R)(B)	MSZ-LN50VG3(W)(V)(R)(B)
Outdoor Unit	MUZ-LN25VGHZ3	MUZ-LN35VGHZ3	MUZ-LN50VGHZ3
Refrigerant	R32 (*1)		
Power Supply	Outdoor Power supply		
	230/Single/50		
Cooling	Design Load	kW	2.5
	Annual Electricity Consumption (*2)	kWh/a	83
	SEER (*4)		10.5
	Energy Efficiency Class		A+++
	Capacity	Rated	kW
		Min - Max	kW
	Total Input	Rated	kW
			kW
			kW
			kW
Heating (Average Season) (*5)	Design Load	kW	3.2 (-10°C)
	Declared Capacity	at reference design temperature	kW
		at bivalent temperature	kW
		at operation limit temperature	kW
	Back Up Heating Capacity	kW	0.0 (-10°C)
	Annual Electricity Consumption (*2)	kWh/a	860
	SCOP (*4)		5.2
	Energy Efficiency Class		A+++
	Capacity	Rated	kW
		Min - Max	kW
Operating Current (max)	Input	Rated	kW
	Operating Current (max)		A
	Dimensions	H*W*D	mm
	Weight		kg
	Air Volume (SLo-Lo-Mid-Hi-SHi) (*3)	Cooling	m³/min
		Heating	m³/min
	Sound Level (SPL) (SLo-Lo-Mid-Hi-SHi) (*3)	Cooling	dB(A)
		Heating	dB(A)
	Sound Level (PWL)		dB(A)
	Operating Current (max)		A
Outdoor Unit	Dimensions	H*W*D	mm
	Weight		kg
	Air Volume	Cooling	m³/min
		Heating	m³/min
	Sound Level (SPL)	Cooling	dB(A)
		Heating	dB(A)
	Sound Level (PWL)	Cooling	dB(A)
	Operating Current (max)		A
	Breaker Size		A
	Diameter	Liquid / Gas	mm
Ext. Piping	Max. Length		m
	Max. Height		m
	Guaranteed Operating Range [Outdoor]	Cooling	°C
		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 675. This means that if 1 kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 675 times higher than 1 kg of CO₂ over a period of 100 years. Never try to interfere with the refrigerant circuit yourself or disassemble the product yourself and always ask a professional. The GWP of R32 is 675 in the IPCC 4th Assessment Report.

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

(*3) SHi: Super High

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

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

MSZ-AY SERIES

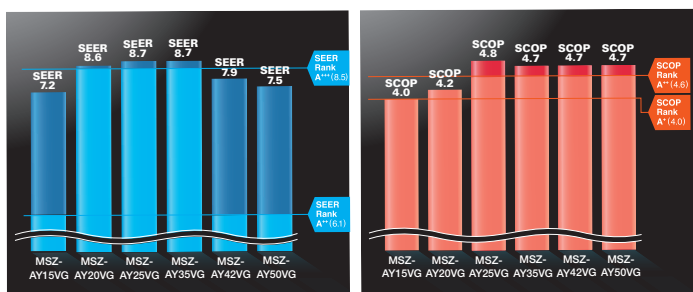
The AY series has an excellent cleanliness feature and ranges to two models: the VGK model comes standard with the V Blocking Filter, which has antiviral, antibacterial, and anti-allergen effects, and the VGKP model comes standard with Plasma Quad Plus, which can collect PM2.5 dust in addition to these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



High Energy Saving



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



Matt and Sophisticated Design

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



Rounded corners

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

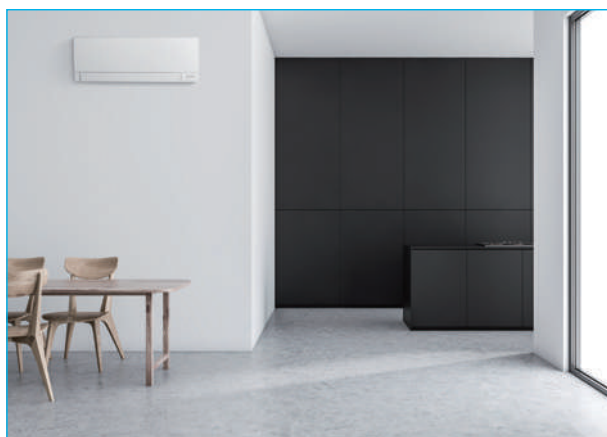
Simple and Compact size

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

Widely Ranged Capacities

Compact and stylish models are available.

The wide range of capacities is designed to match a variety of room types. In particular, the 1.5kW and 2.0kW models are ideal for children's rooms, bedrooms, and highly insulated homes.



MSZ-AY25/35/42/50VGK(P)2



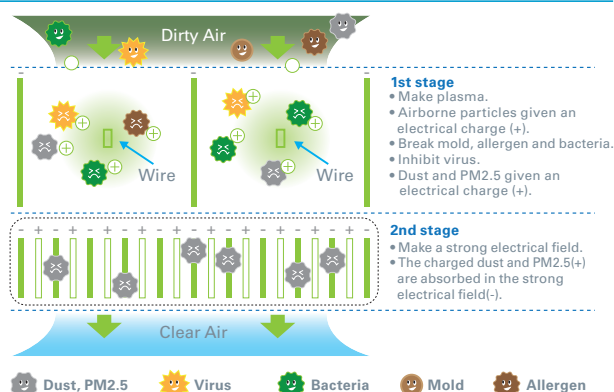
MSZ-AY15/20VGK(P)2

Plasma Quad Plus (only VGKP model)



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

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



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

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

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

The above test results are for AY25-50. Test results for AY15/20 are on p10.



V Blocking Filter (only VGK model)

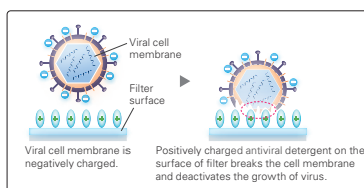
"V Blocking Filter" with antiviral effect inhibits 99% of adhered virus, and other harmful substances, such as bacteria, mold and allergen. Two-layered filter with non-woven fabric and electrostatic filter can effectively capture and remove small particles from the air in your room.

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

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

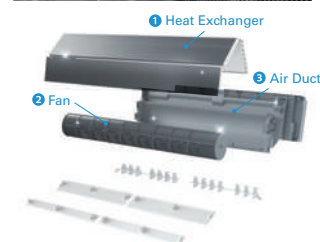
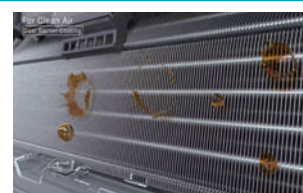
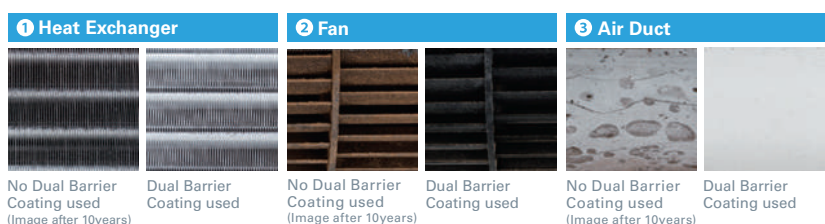
Mold Test method: JIS Z 2911, Tested Organization: Boken Quality Evaluation Institute, Test Report No: 29020006906-1, Test result: No mold growth was confirmed.

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



Dual Barrier Coating

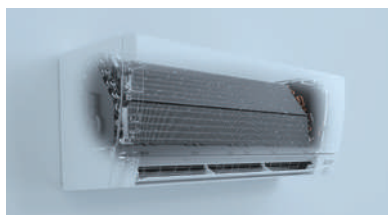
Mitsubishi Electric's Dual Barrier Coating prevents dust and greasy dirt from accumulating on the inner surface of the indoor unit, keeping your air conditioner clean. Hydrophilic material resists oil stains and hydrophobic material resists dust stains.



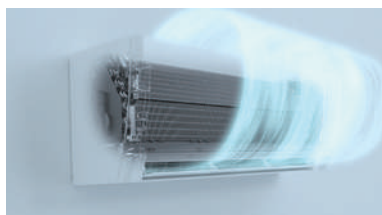
Self Clean

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

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



2 Airflow operation suppresses mycelial growth.



3 Maintains clean unit interior.



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

*Image is for illustration purposes.



Super quiet 18dB

Super quiet 18dB



Quiet, relaxing space is within reach. Operational noise is 18dB (for AY25/35 single connection), which is so quiet that you might even forget the air conditioner is on.

Low Noise Mode for Enhanced Comfort

Low Noise Mode offers a two-stage setting: 1. Single click: Only the outdoor unit operates more quietly. 2. Double click: The remote controller beep sound is turned off, the indoor unit's lamp is dimmed, and the outdoor unit operates even more quietly. We recommend using setting 1 during the day and setting 2 at night for optimal comfort.

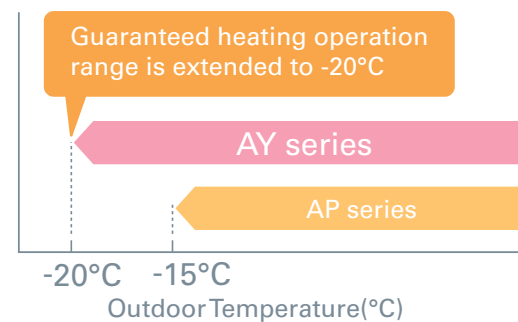
Low Noise Mode			
Click	Remote controller Beep	Indoor unit Lamp	Outdoor unit noise
	ON	ON	LOW
	OFF	DIM	VERY LOW



Wider Heating Operation Range

Mitsubishi Electric technology ensures that the unit will operate even when the outdoor temperature is down to -20°C for AY20/25/35/42/50 single connection only.

Wider Heating Operation Range



Outdoor Units for Cold Region

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

Standard Units

Heater-equipped Units



MUZ-AY25/35/42VG2



MUZ-AY50VG2



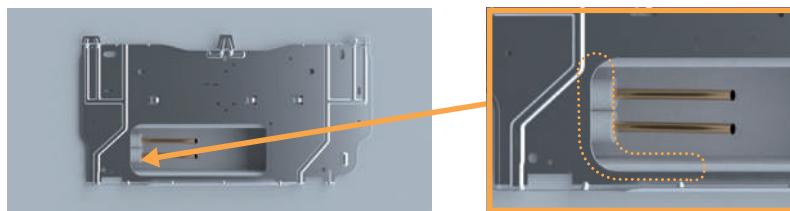
MUZ-AY25/35/42VGH2



MUZ-AY50VGH2

Back Plate with a Hole

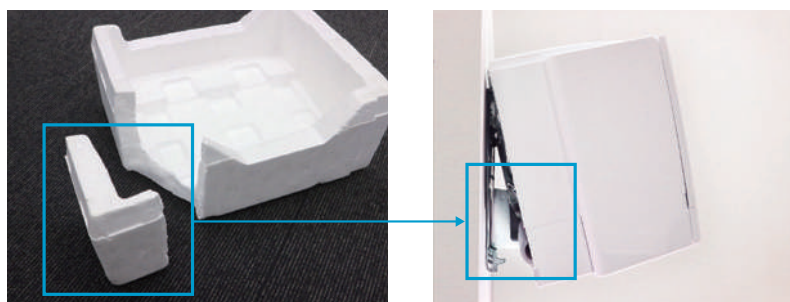
With a hole as default in the center of the back plate, the piping can be easily taken out from the back. The edge of the hole is reinforced to ensure the strength.



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

Spacer

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



Built-in Wi-Fi & App Control

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

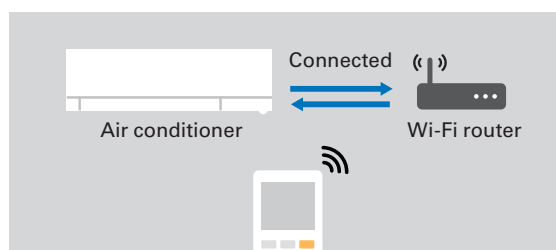
[key control and monitoring features]

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



Easy Wi-Fi Set Up

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



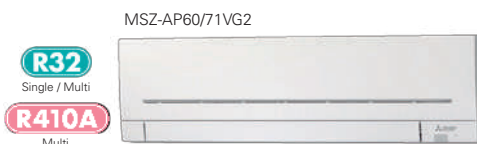
Remote Controller Features

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



MSZ-AP SERIES

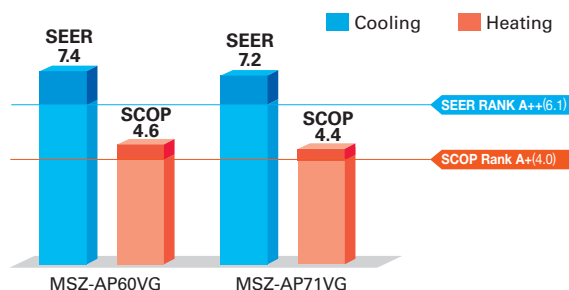
Introducing a compact and stylish indoor unit with various capacity, designed to match number of rooms. High performance indoor and outdoor units enabled to achieve "Rank A++" for SEER.



High Energy Saving



MSZ-AP60/71VG, 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.



Large Capacity Model

Suitable model for large rooms.



Wide and Long Airflow

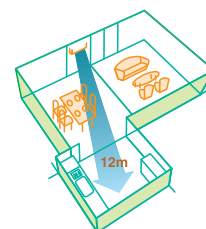
The wide and long airflow function is especially beneficial for large spaces, helping to ensure that air is well circulated and reaches every corner of the room.

Wide Airflow

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

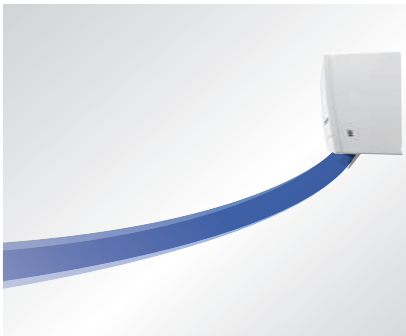
Long Airflow

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



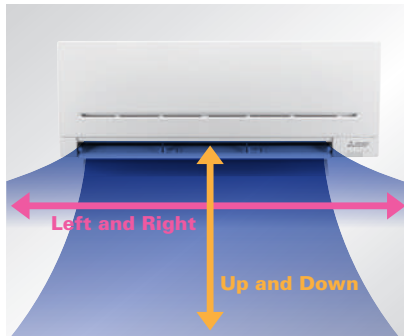
Evolved Comfortable Convenience Function

Horizontal Airflow



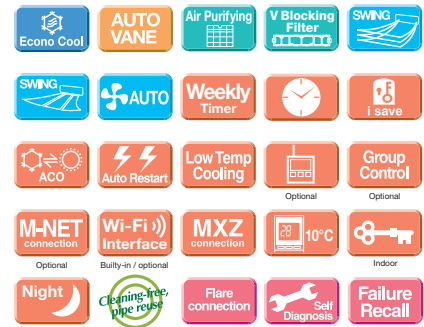
The new airflow control which spreads across the ceiling eliminates the uncomfortable drafty feeling.

Auto Vane Control



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

The Function



"Weekly Timer"



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

■ Example Operation Pattern (Winter/Heating mode)

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

Settings

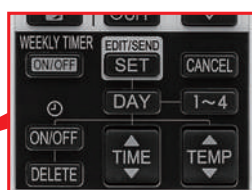
Pattern Settings: Input up to four settings for each day

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

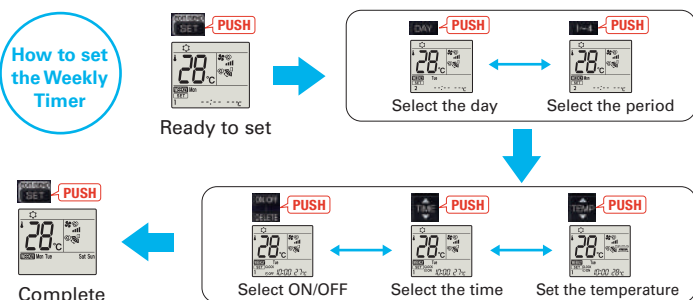
■ Easy set-up using dedicated buttons



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



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)

MSZ-AY SERIES



Indoor Unit

R32 R410A



MSZ-AY15/20VGK(P)2



MSZ-AY25/35/42/50VGK(P)2

Outdoor Unit

R32



MUZ-AY15VG2



MUZ-AY20VG2



MUZ-AY25/35/42VG(H)2



MUZ-AY50VG(H)2

Remote Controller



Type			Inverter Heat Pump												
Indoor Unit			MSZ-AY15VGK(P)2	MSZ-AY20VGK(P)2	MSZ-AY25VGK(P)2	MSZ-AY35VGK(P)2	MSZ-AY35VGK(P)2	MSZ-AY35VGK(P)2	MSZ-AY42VGK(P)2	MSZ-AY42VGK(P)2	MSZ-AY50VGK(P)2	MSZ-AY50VGK(P)2			
Outdoor Unit			MSZ-AY15VG2	MSZ-AY20VG2	MUZ-AY25VG2	MUZ-AY25VG2	MUZ-AY35VG2	MUZ-AY35VG2	MUZ-AY42VG2	MUZ-AY42VG2	MUZ-AY50VG2	MUZ-AY50VG2			
Refrigerant			R32 ⁽¹⁾												
Power Supply	Source		Outdoor Power supply												
	Outdoor (V / Phase / Hz)		230/Single/50												
Cooling	Design load	kW	1.5	2.0	2.5	3.5			4.2		5.0				
	Annual electricity consumption ⁽²⁾	kWh/a	72	81	100	141			186		232				
	SEER ⁽⁴⁾		7.2	8.6	8.7			7.9		7.5					
		Energy efficiency class	A++		A+++					A++					
	Capacity	Rated	kW	1.5	2.0	2.5	3.5			4.2		5.0			
	Min-Max	kW	0.5-2.2	0.6-2.7	0.9-3.4	1.1-3.8			0.9-4.5		1.4-5.4				
	Total Input	Rated	kW	0.370	0.460	0.600			0.990		1.540				
Heating (Average Season) ⁽⁵⁾	Design load	kW	1.6 (-10°C)	2.3 (-10°C)	2.4 (-10°C)	2.9 (-10°C)			3.8 (-10°C)		4.2 (-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)			3.8 (-10°C)		4.2 (-10°C)			
		at bivalent temperature	kW	1.6 (-10°C)	2.3 (-10°C)	2.4 (-10°C)	2.9 (-10°C)			3.8 (-10°C)		4.2 (-10°C)			
		at operation limit temperature	kW	1.6 (-15°C)	1.8 (-20°C)	2.1 (-20°C)	2.0 (-20°C)			2.9 (-20°C)		3.0 (-20°C)			
	Back up heating capacity	kW	0.0 (-10°C)												
	Annual electricity consumption ⁽²⁾	kWh/a	558	766	698	711	864	880	1131	1144	1249	1267			
	SCOP ⁽⁴⁾		4.0	4.2	4.8	4.7			4.6	4.7	4.6	4.7			
		Energy efficiency class	A+			A++									
	Capacity	Rated	kW	2.0	2.5	3.2			5.2			5.5			
		Min	kW	0.5		1.0			1.3			1.4			
Max at 7°C		kW	3.1	3.5	4.1			4.6			7.3				
Total Input	Rated	kW	0.500	0.600	0.780	1.030			1.390		1.470				
Operating Current (Max)		A	5.5	7.0	7.6					9.9		12.5			
Indoor Unit	Input	Rated	kW	0.017	0.019	0.026					0.032				
	Operating Current (Max)	A	0.17	0.2	0.3										
	Dimensions	H*W*D	mm	250-760-199				299-798-245							
	Weight	kg	VGKP:8.1, VGK:7.9				VGKP:11, VGK:10.5								
	Air Volume (Lo-Lo-Mid-Hi-SH) ⁽⁷⁾	Cooling	m³/min	28-37-44-52-61	28-37-44-52-66	3.6-5.0-6.3-7.8-10.5		3.6-5.0-6.3-7.8-11.1		4.5-5.7-6.9-8.4-11.4		5.2-6.4-7.5-9.1-11.7			
		Heating	m³/min	28-39-45-54-61	28-39-45-54-71	4.0-5.0-6.6-8.0-11.8		4.0-5.0-6.6-8.0-12.3		4.4-5.3-6.9-8.5-13.0		6.1-6.4-7.5-9.1-13.0			
	Sound Level (SPL) (Lo-Lo-Mid-Hi-SH) ⁽⁷⁾	Cooling	dB(A)	19 ⁽⁸⁾ -26-30-35-40	19 ⁽⁸⁾ -26-30-35-42	18-24-30-36-42		18-24-30-36-42		21-29-34-38-42		28-33-36-40-44			
		Heating	dB(A)	19 ⁽⁸⁾ -26-30-35-40	19 ⁽⁸⁾ -26-30-35-42	18-24-34-39-45		18-24-31-38-45		21-29-35-40-45		28-33-38-43-48			
	Sound Level (PWL)	Cooling	dB(A)	54	57									58	
	Outdoor Unit	Dimensions	H*W*D	mm	538-699-249				550-800-285				714-800-285		
Weight		kg	23	27.5	26.5	27			33	33.5	40.5				
Air Volume		Cooling	m³/min	26	32.2					32		40.5			
		Heating	m³/min	21	29.8					28.1		37.4			
Sound Level (SPL)		Cooling	dB(A)	45	47			49		50		52			
		Heating	dB(A)	45	48			50		51		52			
Sound Level (PWL)		Cooling	dB(A)	58	59			61			64				
Operating Current (Max)		A	5.3	6.8	7.3			9.6			12.2				
Breaker Size		A	10										16		
Ext. Piping		Diameter	Liquid/Gas	mm	6.35 / 9.52										
	Chargeless piping length	Out-In	m	7.5											
	Max.Length	Out-In	m	20											
	Max.Height	Out-In	m	12											
Guaranteed Operating Range (Outdoor)	Cooling	°C	-10 ~ +46												
	Heating	°C	-15 ~ +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 675. This means that if 1 kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 675 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 57-58 for heating (warmer season) specifications.

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

MSZ-AP SERIES



Indoor Unit

R32 R410A

※VGK model Wi-Fi Interface built-in.



MSZ-AP60/71VG(K)2

Outdoor Unit

R32



MUZ-AP60VG2



MUZ-AP71VG3

Remote Controller



Type			Inverter Heat Pump	
Indoor Unit			MSZ-AP60VG(K)2	MSZ-AP71VG(K)2
Outdoor Unit			MUZ-AP60VG2	MUZ-AP71VG3
Refrigerant			Single: R32 ⁽¹⁾ / Multi: R32 ⁽¹⁾	
Power Supply			Outdoor Power supply	
Source			230 / Single / 50	
Outdoor (V / Phase / Hz)				
Cooling	Design load	kW	6.1	7.1
	Annual electricity consumption ⁽²⁾	kWh/a	288	345
	SEER ⁽⁴⁾		7.4	7.2
	Energy efficiency class		A++	
	Capacity	kW	6.1	7.1
Heating (Average Season) ⁽³⁾	Min-Max	kW	1.4-7.3	2.0-8.7
	Total Input	kW	1.590	2.010
	Design load	kW	4.6 (-10°C)	6.7 (-10°C)
	Declared Capacity	kW	4.6 (-10°C)	6.7 (-10°C)
	at reference design temperature	kW	4.6 (-10°C)	6.7 (-10°C)
Heating (Average Season) ⁽³⁾	at bivalent temperature	kW	4.6 (-10°C)	6.7 (-10°C)
	at operation limit temperature	kW	3.7 (-15°C)	5.4 (-15°C)
	Back up heating capacity	kW	0.0 (-10°C)	
	Annual electricity consumption ⁽²⁾	kWh/a	1399	2131
	SCOP ⁽⁴⁾		4.6	4.4
Operating Current (Max)	Energy efficiency class		A++	
	Capacity	kW	6.8	8.1
	Min-Max	kW	2.0-8.6	2.2-10.3
	Total Input	kW	1.670	2.120
	Rated	kW	1.670	2.120
Indoor Unit	Operating Current (Max)	A	12.7	16.4
	Input	kW	0.049	0.045
	Operating Current (Max)	A	0.5	0.4
	Dimensions	H*W*D	325-1100-257	
	Weight	kg	16.0	17.0
Outdoor Unit	Air Volume (SLo-Lo-Mid-Hi-SH ⁽⁵⁾)	m ³ /min	9.4 - 11.0 - 13.2 - 16.0 - 18.9	9.6 - 11.5 - 13.2 - 15.3 - 18.6
	Heating	m ³ /min	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 ⁽⁵⁾)	dB(A)	29 - 37 - 41 - 45 - 48	30 - 37 - 41 - 45 - 49
	Heating	dB(A)	30 - 37 - 41 - 45 - 48	30 - 37 - 41 - 45 - 51
	Sound Level (PWL) Cooling	dB(A)	65	
Outdoor Unit	Dimensions	H*W*D	714-800-285	880-840-330
	Weight	kg	40	53
	Air Volume	m ³ /min	52.1	63.7
	Heating	m ³ /min	52.1	57.7
	Sound Level (SPL) Cooling	dB(A)	56	
Ext. Piping	Heating	dB(A)	57	
	Sound Level (PWL) Cooling	dB(A)	69	
	Operating Current (Max)	A	12.2	16.0
	Breaker Size	A	16	20
	Diameter	Liquid/Gas	6.35 / 12.7	
Guaranteed Operating Range (Outdoor)	Max.Length	m	30	
	Max.Height	m	15	
	Cooling	°C	-10 ~ +46	
Guaranteed Operating Range (Outdoor)	Heating	°C	-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 675. This means that if 1 kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 675 times higher than 1 kg of CO₂ over a period of 100 years. Never try to interfere with the refrigerant circuit yourself or disassemble the product yourself and always ask a professional.

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

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

(⁽³⁾) SHi: Super High

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

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

MSZ-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-EF18-50VGB2



GOOD DESIGN
AWARD 2014



reddot award 2015
winner



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

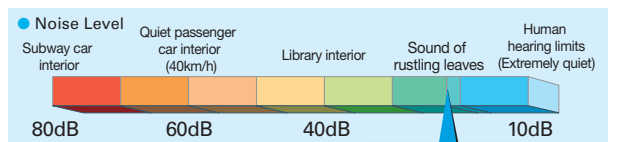
All models in the series have achieved high energy-savings rating, and are contributing to reduced energy consumption in homes, offices and a range of other settings. Offered in a variety of output capacities and installation patterns, the vast applicability promises an ideal match for any user.



Indoor \ Outdoor		SEER/SCOP
		MUZ-EF25/35VG(H)2 MUZ-EF42/50VG2
MSZ-EF18VG		—
MSZ-EF22VG		—
MSZ-EF25VG		A+++/A++
MSZ-EF35VG		A+++/A++(35VGH: A+)
MSZ-EF42VG		A++/A++
MSZ-EF50VG		A++/A+

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.

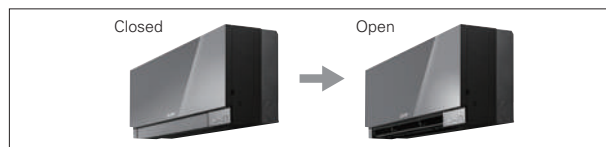


Only 19dB for cooling.
(for EF18/22/25 models)

An in-company investigation

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.

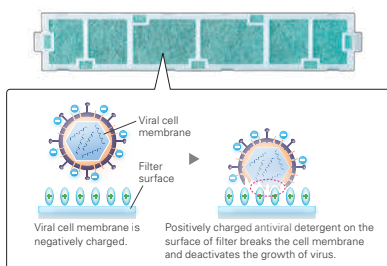


V Blocking Filter



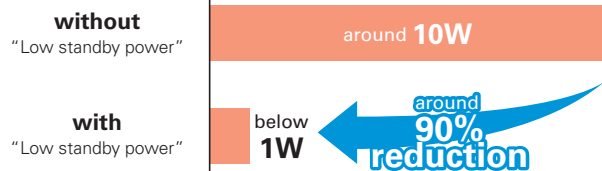
V Blocking Filter with antiviral effect inhibits 99% of adhered virus, and other harmful substances, such as bacteria, mold and allergen.

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



MUZ-EF25/35VG2

Heater-equipped Units



MUZ-EF25/35VGH2

MSZ-E SERIES



Indoor Unit / Remote Controller

R32

R410A



White



Silver



Black

MSZ-EF18/22/25/35/42/50VG(K)2W

MSZ-EF18/22/25/35/42/50VG(K)2S

MSZ-EF18/22/25/35/42/50VG(K)2B*

* Soft-dry Cloth is enclosed with Black models.

* VGK model Wi-Fi interface built-in

Outdoor Unit

R32



MUZ-EF25/35VG(H)2, 42VG2



MUZ-EF50VG2

GOOD DESIGN
AWARD 2015

reddot award 2015
winner



Type			Inverter Heat Pump								
Indoor Unit			MSZ-EF18VG(K)2	MSZ-EF22VG(K)2	MSZ-EF25VG(K)2	MSZ-EF25VG(K)2	MSZ-EF35VG(K)2	MSZ-EF35VG(K)2	MSZ-EF42VG(K)2	MSZ-EF50VG(K)2	
Outdoor Unit			for MXZ connection		MUZ-EF25VG2	MUZ-EF25VG2	MUZ-EF35VG2	MUZ-EF35VG2	MUZ-EF42VG2	MUZ-EF50VG2	
Refrigerant			R32 ⁽¹⁾								
Power Supply			Outdoor Power supply								
			230/Single/50								
Cooling	Design load		kW	-	2.5		3.5		4.2	5.0	
	Annual electricity consumption ⁽²⁾		kWh/a	-	96		139		186	233	
	SEER ⁽⁴⁾			-	9.1		8.8		7.9	7.5	
	Energy efficiency class			-	A+++				A++		
	Capacity	Rated	kW	-	2.5		3.5		4.2	5.0	
		Min-Max	kW	-	0.9-3.4		1.1-4.0		0.9-4.6	1.4-5.4	
Total Input		Rated	kW	-	0.540		0.910		1.200	1.540	
Heating (Average Season) ⁽³⁾	Design load		kW	-	2.5 (-10°C)		2.9 (-10°C)		3.8 (-10°C)	4.2 (-10°C)	
	Declared Capacity	at reference design temperature	kW	-	2.5 (-10°C)		2.9 (-10°C)		3.8 (-10°C)	4.2 (-10°C)	
		at bivalent temperature	kW	-	2.5 (-10°C)		2.9 (-10°C)		3.8 (-10°C)	4.2 (-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)	3.5 (-15°C)	
	Back up heating capacity		kW	-	0.0 (-10°C)						
	Annual electricity consumption ⁽²⁾		kWh/a	-	742		760		882	894	
	SCOP ⁽⁴⁾			-	4.7		4.6		4.5	4.5	
	Energy efficiency class			-	A++				A+	A+	
	Capacity	Rated	kW	-	3.2		4.0		5.4	5.8	
		Min-Max	kW	-	0.9-4.2		1.2-5.1		1.2-6.3	1.4-7.5	
Total Input		Rated	kW	-	0.700		0.950		1.455	1.560	
Operating Current (Max)			A	-	7.1				10.0	14	
Indoor Unit	Input		Rated	kW	0.026		0.030		0.033	0.043	
	Operating Current (Max)		A	-	0.3				0.4		
	Dimensions		H*W*D	mm	299-885-195						
	Weight		kg	-	11						
	Air Volume (SLo-Lo-Mid-Hi-SH) ⁽⁵⁾	Cooling	m³/min	3.8 - 4.5 - 6.5 - 8.7 - 11.1							
		Heating	m³/min	3.8 - 4.5 - 6.4 - 9.3 - 12.5				3.8 - 4.5 - 6.4 - 9.3 - 13.4		5.9-6.8-8.0-9.3-11.8	5.9-7.0-8.2-9.7-11.9
	Sound Level (SPL) (SLo-Lo-Mid-Hi-SH) ⁽⁵⁾	Cooling	dB(A)	19 - 23 - 29 - 36 - 42				21 - 24 - 30 - 36 - 42		28 - 31 - 35 - 39 - 43	30 - 33 - 36 - 40 - 43
		Heating	dB(A)	21 - 24 - 29 - 37 - 45				21 - 24 - 30 - 38 - 46		28 - 30 - 35 - 41 - 48	30 - 33 - 37 - 43 - 49
	Sound Level (PWL)		Cooling	dB(A)	60						
	Dimensions		H*W*D	mm	-	550-800-285				714-800-285	
Outdoor Unit	Weight		kg	-	31		34		35	40	
	Air Volume	Cooling	m³/min	-	27.8		34.3		32.0	40.2	
		Heating	m³/min	-	29.8		32.7		32.0	40.2	
	Sound Level (SPL)	Cooling	dB(A)	-	47		49		50	52	
		Heating	dB(A)	-	48		50		51	52	
	Sound Level (PWL)		Cooling	dB(A)	58		62		65	65	
	Operating Current (Max)		A	-	6.8				9.6	13.6	
	Breaker Size		A	-	10				12	16	
Ext. Piping	Diameter		Liquid/Gas	mm	-	6.35 / 9.52					
	Max.Length		Out-In	m	-	20				30	
	Max.Height		Out-In	m	-	12				15	
Guaranteed Operating Range (Outdoor)	Cooling		°C	-	-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 675. This means that if 1 kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 675 times higher than 1 kg of CO₂ over a period of 100 years. Never try to interfere with the refrigerant circuit yourself or disassemble the product yourself and always ask a professional.

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

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

(3) SHI: Super High

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

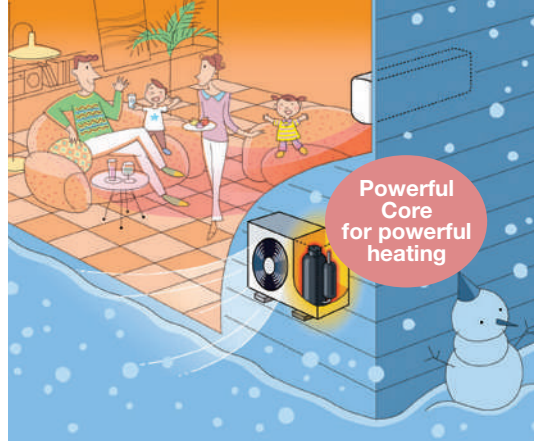
(5) Please see page 57-58 for heating (warmer season) specifications.

FT VGHZ ^{R32} Single / Multi SERIES

Unlike conventional air conditioning systems, the FT Series don't lose heating capacity when it's cold outside. Original technologies ensure excellent heating performance under extremely low outdoor temperatures and an impressive guaranteed operating range. Furthermore, the smaller and stylish indoor unit does not give you the limitation of installation location.



MSZ-FT25/35/50VGK2



Compact Design

The FT series features its compact design with 280mm height and 229mm depth, which is suitable for the installation above the door.

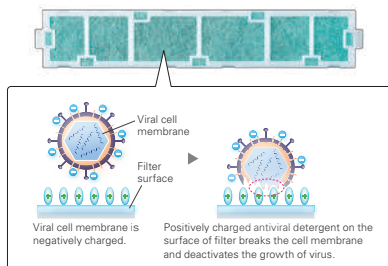


V Blocking Filter (Optional)

V Blocking Filter
Optional

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.



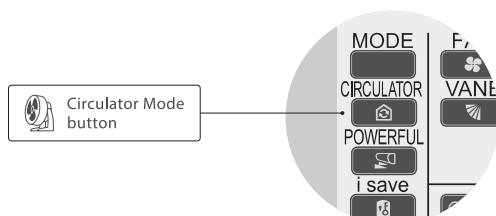
Remote Controller with Backlight

The remote controller screen is equipped with an LED backlight. The luminous screen allows you to check the setting easily even in the dark.



Circulator Mode

After reaching the target temperature, heating mode will automatically switch to Circulator mode, which makes the unit go into "fan-only" state and mixes warm air in the room.

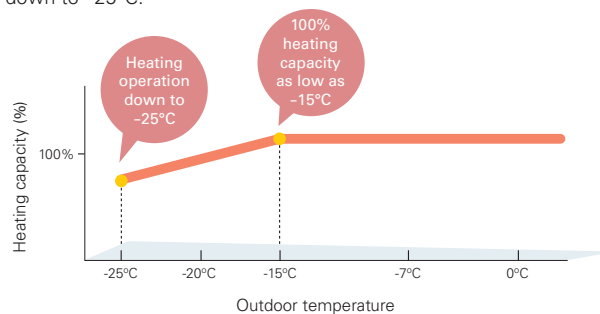


Built-in Wi-Fi

Mitsubishi Electric Wi-Fi Control gives you the freedom to tailor your heating and cooling needs through computers, tablets, or smart-phones from anywhere.

Hyper Heating

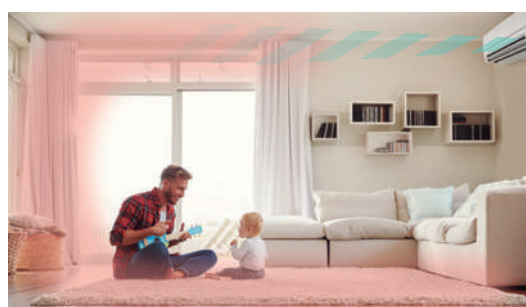
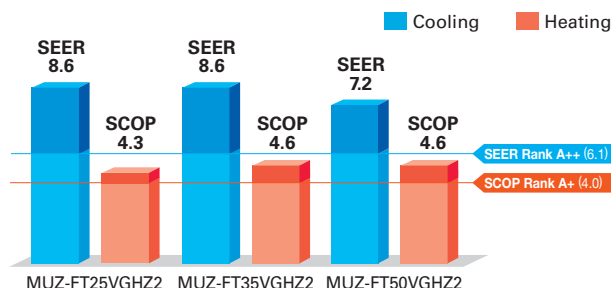
Mitsubishi Electric's powerful compressor and highly cold-resistant parts enable the heat pump to provide 100% or more heating capacity even at -15°C , and also the heating operation is guaranteed down to -25°C .



High Energy Efficiency – Energy Rank of A+ or Higher for All Models

DC Inverter

With indoor units that combine functionality, design and capacity and outdoor units equipped with a high-efficiency compressor, the MUZ-FT VGHZ simultaneously achieves high heating capacity and energy-saving performance.



*Image is for illustration purposes.

MSZ-FT VGHZ SERIES



Indoor Unit



MSZ-FT25/35/50VGK2

Outdoor Unit



MUZ-FT25VGHZ2



MUZ-FT35/50VGHZ2

Remote Controller



Type			Inverter Heat Pump							
Indoor Unit			MSZ-FT25VGK2		MSZ-FT35VGK2		MSZ-FT50VGK2			
Outdoor Unit			MUZ-FT25VGHZ2		MUZ-FT35VGHZ2		MUZ-FT50VGHZ2			
Refrigerant			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	101		142		243		
	SEER ^{(*)4}			8.6		8.6		7.2		
			Energy Efficiency Class		A+++					
	Capacity	Rated	kW	2.5		3.5		5.0		
		Min - Max	kW	0.8 - 3.5		0.8 - 4.0		0.6 - 5.2		
	Total Input	Rated	kW	0.580		0.910		1.720		
Heating (Average Season) ^{(*)5}	Design Load		kW	3.2 (−10°C)		4.0 (−10°C)		5.0 (−10°C)		
	Declared Capacity	at reference design temperature	kW	3.2 (−10°C)		4.0 (−10°C)		5.0 (−10°C)		
		at bivalent temperature	kW	3.2 (−10°C)		4.0 (−10°C)		5.0 (−10°C)		
		at operation limit temperature	kW	3.0 (−25°C)		3.4 (−25°C)		3.6 (−25°C)		
	Back Up Heating Capacity		kW			0.0 (−10°C)				
	Annual Electricity Consumption ^{(*)2}		kWh/a	973		1217		1625		
	SCOP ^{(*)4}			4.6		4.6		4.3		
			Energy Efficiency Class		A++					
	Capacity	Rated	kW	3.2		4.0		5.0		
		Min - Max	kW	0.9 - 6.2		0.9 - 6.6		0.9 - 7.8		
Total Input	Rated	kW	0.760		1.020		1.300			
Operating Current (max)			A	10.0		11.6		12.6		
Indoor Unit	Input		Rated	kW	0.039		0.04		0.047	
	Operating Current (max)		A			0.4				
	Dimensions		H*W*D	mm		280 - 838 - 229				
	Weight		kg			9.7				
	Air Volume (SLo-Lo-Mid-Hi-SHi ^{(*)3})	Cooling	m³/min	3.9 - 5.9 - 8.2 - 10.4 - 12.3		3.9 - 6.1 - 8.3 - 10.7 - 13.1		5.5 - 7.6 - 9.8 - 12.0 - 13.1		
		Heating	m³/min	3.9 - 6.3 - 9.0 - 12.0 - 13.2		3.9 - 6.9 - 10.2 - 13.5 - 14.7		5.5 - 8.4 - 11.4 - 14.4 - 15.5		
	Sound Level (SPL) (SLo-Lo-Mid-Hi-SHi ^{(*)3})	Cooling	dB(A)	19 - 27 - 36 - 41 - 46		19 - 27 - 36 - 42 - 47		28 - 34 - 40 - 45 - 48		
		Heating	dB(A)	19 - 31 - 39 - 46 - 49		19 - 33 - 42 - 49 - 52		28 - 36 - 45 - 51 - 54		
	Sound Level (PWL)		dB(A)			60				
	Outdoor Unit	Dimensions		H*W*D	mm		550 - 800 - 285			
Weight		kg			34					
Air Volume		Cooling	m³/min	30.4		40.2				
		Heating	m³/min	30.4		40.2				
Sound Level (SPL)		Cooling	dB(A)	46		49		51		
		Heating	dB(A)	49		52		54		
Sound Level (PWL)		Cooling	dB(A)	60		61		64		
Operating Current (max)		A	9.6		11.2		12.2			
Breaker Size		A			12		16			
Ext. Piping		Diameter		Liquid / Gas	mm		6.35 / 9.52			
	Max. Length		Out-In	m		20		30		
	Max. Height		Out-In	m		12		15		
Guaranteed Operating Range [Outdoor]		Cooling	°C			−10 ~ +46				
		Heating	°C			−25 ~ +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 675. This means that if 1kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 675 times higher than 1kg of CO₂ over a period of 100 years. Never try to interfere with the refrigerant circuit yourself or disassemble the product yourself and always ask a professional. The GWP of R32 is 675 in the IPCC 4th Assessment Report.

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

(*)3 SHi: Super High

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

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

MSZ-BT20/25/35/50VG(K)2

R32
Single / Multi

MSZ-BT SERIES

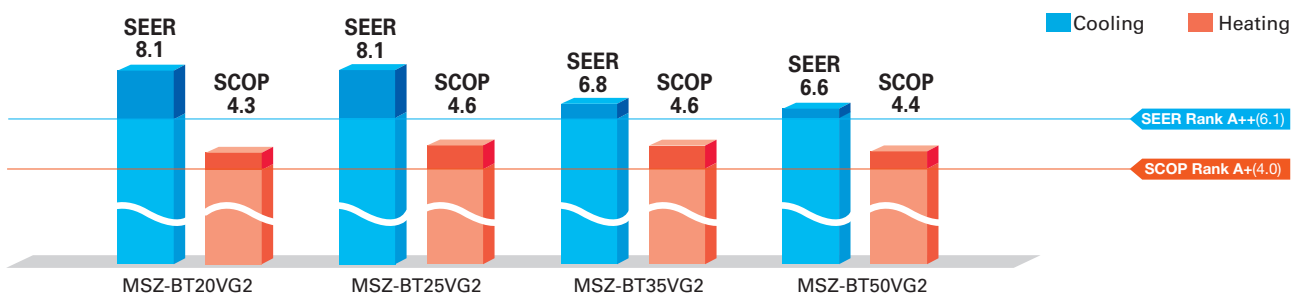
The BT series featured with its high performance, energy efficiency, and simplicity of use brings greater comfort to your room.



High Energy Efficiency for Entire Range of Series

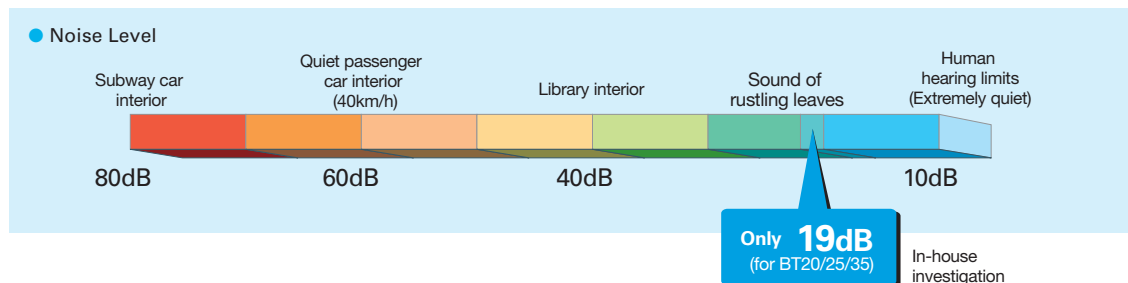


All models in the series, from the low-capacity 20 to the high-capacity 50, have achieved the "Rank A++" for SEER and size 25 and 35 have achieved the "Rank A++" for SCOP as energy-savings rating. For home use, such as in bedrooms and living rooms, to light commercial use, such as in offices, our air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



Quiet Operation

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



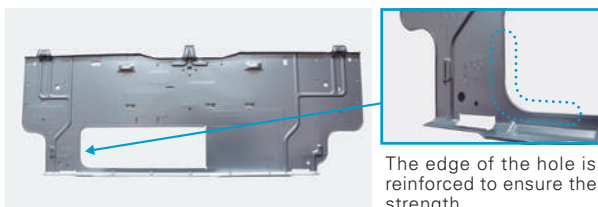
New Remote Controller

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



Back Plate with a Hole

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



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

Built-in Wi-Fi Interface (VGK Model)



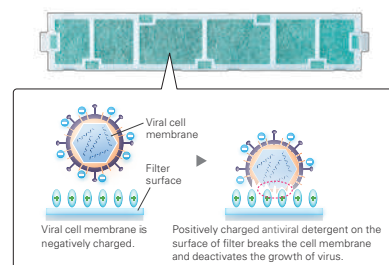
The indoor unit is equipped with a Wi-Fi Interface inside an exclusive pocket in the unit.

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.



MSZ-BT SERIES



Indoor Unit

R32



MSZ-BT20/25/35/50VG(K)2

Outdoor Unit



MUZ-BT20VG2



MUZ-BT25/35VG2



MUZ-BT50VG2

Remote Controller



Type		Inverter Heat Pump			
Indoor Unit		MSZ-BT20VG(K)2	MSZ-BT25VG(K)2	MSZ-BT35VG(K)2	MSZ-BT50VG(K)2
Outdoor Unit		MUZ-BT20VG2	MUZ-BT25VG2	MUZ-BT35VG2	MUZ-BT50VG2
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
	Annual electricity consumption ⁽²⁾	kWh/a	86	108	180
	SEER ⁽⁴⁾		8.1		6.8
	Energy efficiency class		A++		
	Capacity				
	Rated	kW	2.0	2.5	3.5
Heating	Min-Max	kW	0.5-2.9	0.5-3.0	0.9-3.5
	Total Input	Rated	kW	0.450	0.700
	Design load	kW	2.2 (-10°C)	2.4 (-10°C)	2.5 (-10°C)
	Declared Capacity	at reference design temperature	kW	2.2 (-10°C)	2.4 (-10°C)
		at bivalent temperature	kW	2.2 (-10°C)	2.4 (-10°C)
		at operation limit temperature	kW	1.3 (-15°C)	1.7 (-15°C)
Back up heating capacity	Design load	kW	2.2 (-10°C)	2.4 (-10°C)	2.5 (-10°C)
	Declared Capacity	at reference design temperature	kW	2.2 (-10°C)	2.4 (-10°C)
		at bivalent temperature	kW	2.2 (-10°C)	2.4 (-10°C)
		at operation limit temperature	kW	1.3 (-15°C)	1.7 (-15°C)
	Back up heating capacity	kW	0.0 (-10°C)		
	Annual electricity consumption ⁽²⁾	kWh/a	716	728	760
Operating Current (Max)	SCOP ⁽⁴⁾		4.3	4.6	4.6
	Energy efficiency class		A+		
	Capacity				
	Rated	kW	2.5	3.15	3.6
	Min-Max	kW	0.7-3.2	0.7-3.5	0.9-4.1
	Total Input	Rated	kW	0.550	0.750
Indoor Unit	Operating Current (Max)	A	5.6	7.0	10.0
	Input	Rated	kW	0.024	0.031
	Operating Current (Max)	A	0.25	0.31	0.35
	Dimensions	H*W*D	280-838-235		
	Weight	kg	9		
	Air Volume	Cooling	m³/min	3.7 - 4.8 - 6.3 - 8.3 - 10.4	3.7 - 4.8 - 6.3 - 8.3 - 12.7
Outdoor Unit	Lo-Mid-Hi-SH ⁽³⁾	Heating	m³/min	3.7 - 4.5 - 6.3 - 8.5 - 11.4	5.5 - 7.3 - 9.4 - 11.4 - 13.6
	Sound Level (SPL)	Cooling	dB(A)	19 - 22 - 30 - 37 - 43	19 - 22 - 31 - 38 - 46
	Lo-Mid-Hi-SH ⁽³⁾	Heating	dB(A)	20 - 23 - 30 - 37 - 43	20 - 23 - 30 - 37 - 44
	Sound Level (PWL)	Cooling	dB(A)	57	60
	Dimensions	H*W*D	538-699-249		
	Weight	kg	23	24	34.5
Ext. Piping	Air Volume	Cooling	m³/min	30.3	32.2
	Lo-Mid-Hi-SH ⁽³⁾	Heating	m³/min	28.0	32.2
	Sound Level (SPL)	Cooling	dB(A)	50	52
	Lo-Mid-Hi-SH ⁽³⁾	Heating	dB(A)	50	52
	Sound Level (PWL)	Cooling	dB(A)	63	64
	Operating Current (Max)	A	5.3	6.7	9.6
Guaranteed Operating Range (Outdoor)	Breaker Size	A	10	12	12
	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 (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 675. This means that if 1 kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 675 times higher than 1 kg of CO₂, over a period of 100 years. Never try to interfere with the refrigerant circuit yourself or disassemble the product yourself and always ask a professional.

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

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

(3) SHI: Super High

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

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

MSZ-HR SERIES

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

R32

MSZ-HR25/35/42/50VF(K)2

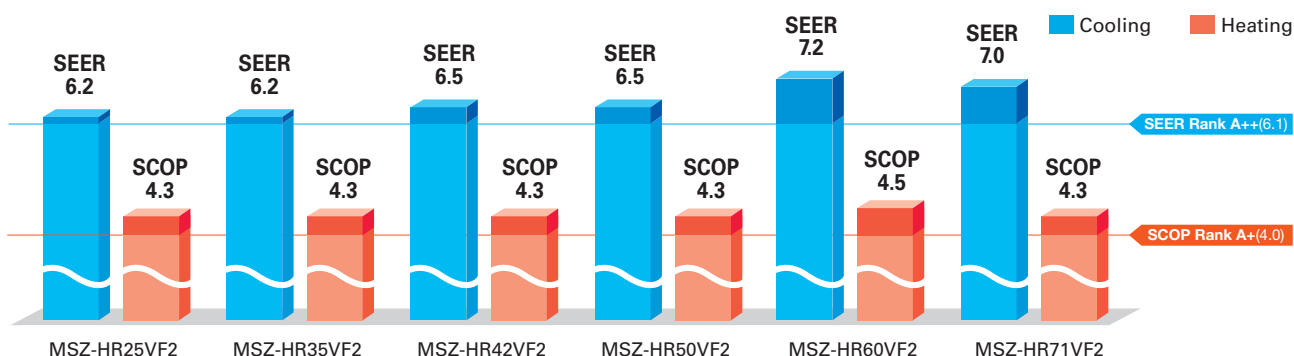


MSZ-HR60/71VF(K)2

"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.



Night Mode

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

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

*The cooling/heating capacity may drop.

Wi-Fi and System Control

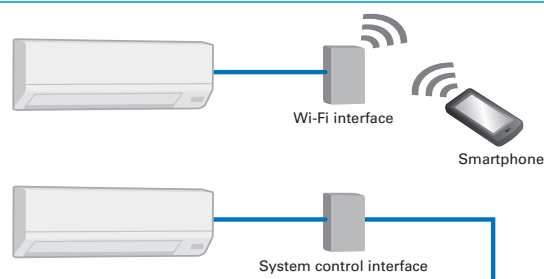
Wi-Fi Interface (Built-in) *Only VFK model

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

System Control Interface (Optional)

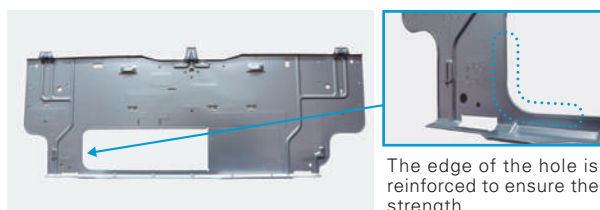
- Remote on/off operation is possible by input to the connector.
- Depending on the interface used, connecting a wired remote-control such as the PAR-41MAA is possible.
- Centralised control is possible when connected to M-NET.

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



Back Plate with a Hole

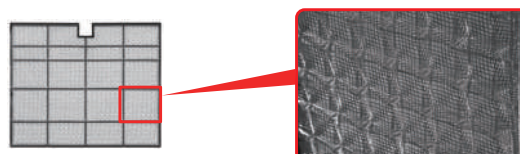
With a hole as default in the center of the back plate, the piping can be easily taken out from the back. The edge of the hole is reinforced to ensure the strength.



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)2



MSZ-HR60/71VF(K)2

Outdoor Unit



MUZ-HR25VF2



MUZ-HR35VF2

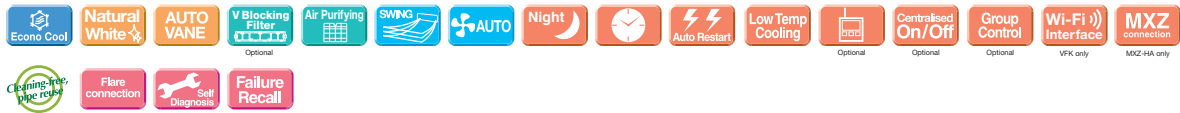


MUZ-HR42/50VF2



MUZ-HR60/71VF2

Remote Controller



Type			Inverter Heat Pump							
Indoor Unit			MSZ-HR25VF(K)2	MSZ-HR35VF(K)2	MSZ-HR42VF(K)2	MSZ-HR50VF(K)2	MSZ-HR60VF(K)2	MSZ-HR71VF(K)2		
Outdoor Unit			MUZ-HR25VF2	MUZ-HR35VF2	MUZ-HR42VF2	MUZ-HR50VF2	MUZ-HR60VF2	MUZ-HR71VF2		
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	139	192	226	269	296	355		
	SEER ⁽⁴⁾		6.2		6.5		7.2	7.0		
	Capacity	Energy efficiency class		A++						
		Rated	kW	2.5	3.4	4.2	5.0	6.1	7.1	
	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		
	Total Input	Rated	kW	0.800	1.210	1.360	2.050	1.810	2.330	
Heating (Average Season) ⁽³⁾	Design load	kW	2.0 (-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	2.0 (-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	2.0 (-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	2.0 (-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)							
	Annual electricity consumption ⁽²⁾	kWh/a	646	778	927	1224	1430	1755		
	SCOP ⁽⁴⁾		4.3		4.5		4.5	4.3		
	Capacity	Energy efficiency class		A+						
Rated		kW	3.15	3.6	4.7	5.4	6.8	8.1		
	Min-Max	kW	0.7-3.5	0.9-3.7	0.9-5.4	1.4-6.5	1.5-8.5	1.5-9.0		
	Total Input	Rated	kW	0.850	1.00	1.300	1.550	1.810	2.440	
Operating Current (Max)		A	5.0	6.7	8.5	10.0	14.1			
Indoor Unit	Input	Rated	kW	0.020	0.028	0.032	0.039	0.055		
	Operating Current(Max)	A	0.2	0.27	0.3	0.36	0.5			
	Dimensions	H*W*D	mm	280-838-228				305-923-262		
	Weight	kg	8.5			9		12.5		
	Air Volume (L₀-Mid-Hi-SH ⁽¹⁾)	Cooling	m³/min	3.0 - 5.0 - 6.7 - 9.2	3.2 - 5.2 - 7.3 - 11.0	6.0 - 8.7 - 10.8 - 13.1	6.4 - 9.2 - 11.2 - 13.1	10.4 - 12.6 - 15.4 - 19.6		
		Heating	m³/min	3.0 - 5.0 - 7.0 - 9.5	3.0 - 5.0 - 7.0 - 9.9	5.6 - 7.9 - 10.8 - 13.4	6.1 - 8.3 - 11.2 - 14.5	10.7 - 13.1 - 16.7 - 19.6		
	Sound Level (SPL) (L₀-Mid-Hi-SH ⁽¹⁾)	Cooling	dB(A)	21 - 30 - 37 - 43	22 - 31 - 38 - 46	24 - 34 - 39 - 45	28 - 36 - 40 - 45	33 - 38 - 44 - 50		
		Heating	dB(A)	21 - 30 - 37 - 43	21 - 30 - 37 - 44	24 - 32 - 40 - 46	27 - 34 - 41 - 47	33 - 38 - 44 - 50		
Sound Level (PWL)	Cooling	dB(A)	57			60		65		
Dimensions	H*W*D	mm	538-699-249			550-800-285		714-800-285		
Outdoor Unit	Weight	kg	21.5	22	32.5	33.5	40			
	Air Volume	Cooling	m³/min	30.3	31.8	30.4	34.3	42.8		
		Heating	m³/min	28			28.1		48.3	
	Sound Level (SPL)	Cooling	dB(A)	50	51	50			53	
		Heating	dB(A)	50	51			57		
	Sound Level (PWL)	Cooling	dB(A)	63	64			65	66	
	Operating Current (Max)	A	4.8	6.4	8.2	9.6	13.6			
	Breaker Size	A	10				12	16		
Ext. Piping	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							
	Heating	°C	-10 ~ +24							

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

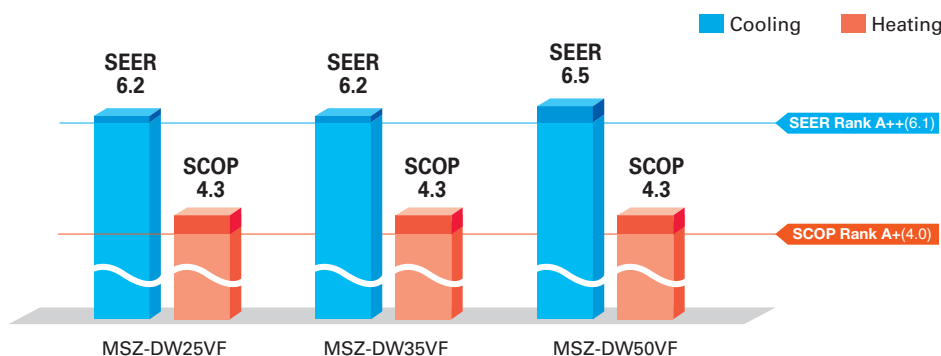
R32



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.

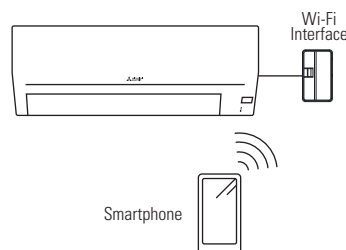
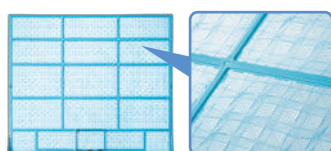
System Control Interface (Optional)

- 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

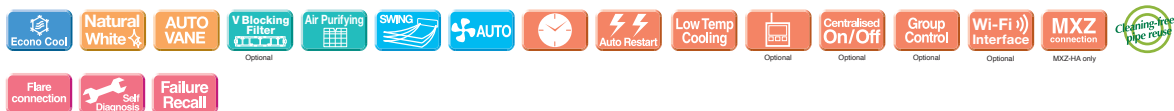


MUZ-DW35VF



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/50-Hz			
Cooling	Source			
	Outdoor (V / Phase / Hz)			
	Design load	kW	2.5	3.4
	Annual electricity consumption ⁽²⁾	kWh/a	135	184
	SEER ⁽⁴⁾		6.2	6.5
Heating	Energy efficiency class		A++	
	Capacity	kW	2.5	3.4
	Min-Max	kW	0.5-2.9	0.9-3.4
	Total Input	kW	0.800	1.210
	Design load	kW	1.9 (-10°C)	2.4 (-10°C)
Heating (Average Season) ⁽⁵⁾	Declared Capacity	kW	1.9 (-10°C)	2.4 (-10°C)
	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)
Operating Current (Max)	Annual electricity consumption ⁽²⁾	kWh/a	618	781
	SCOP ⁽⁴⁾		4.3	4.3
	Energy efficiency class		A+	
	Capacity	kW	3.15	3.6
	Min-Max	kW	0.7-3.5	0.9-3.7
Indoor Unit	Total Input	kW	0.850	0.975
	Operating Current (Max)	A	5.0	6.7
	Input	kW	0.023	0.028
	Operating Current (Max)	A	0.24	0.28
	Dimensions	H*W*D	mm	290-799-232
Outdoor Unit	Weight	kg	9	10
	Air Volume	m³/min	3.6 - 5.6 - 7.5 - 9.9	3.6 - 5.8 - 8.1 - 11.3
	Sound Level (SPL)	dB(A)	21 - 30 - 37 - 43	22 - 31 - 38 - 46
	Sound Level (PWL)	dB(A)	21 - 30 - 37 - 43	21 - 30 - 37 - 44
	Operating Current (Max)	A	5.3	7.0
Ext. Piping	Breaker Size	A	10	12
	Diameter	Liquid/Gas	mm	6.35 / 9.52
	Max.Length	Out-In	m	20
	Max.Height	Out-In	m	12
	Guaranteed Operating Range (Outdoor)	°C	-10 ~ +46	-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 675. This means that if 1 kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 675 times higher than 1 kg of CO₂ over a period of 100 years. Never try to interfere with the refrigerant circuit yourself or disassemble the product yourself and always ask a professional.

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

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

(3) SHI: Super High

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

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

MSY-TP_{SERIES}

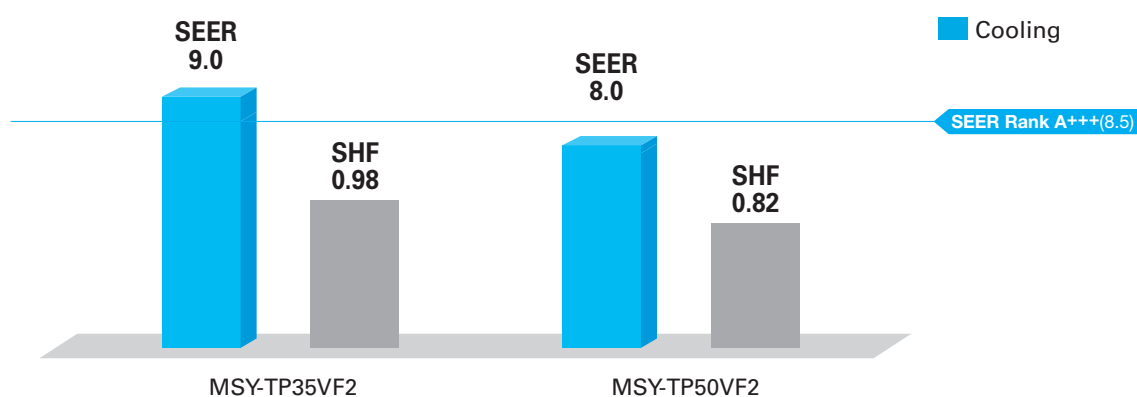
Cooling only model with high-performance provides high SHF in various environments thanks to wide operation range.

R32

MSY-TP35/50VF2

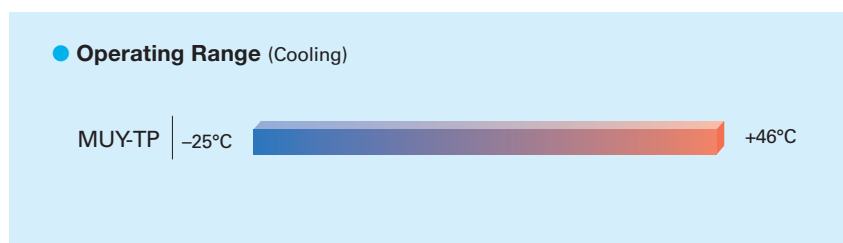


High Energy-Saving Performance with High SHF



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-TP35/50VF2

Outdoor Unit

R32



MUY-TP35/50VF2

Remote Controller



Type				Inverter Heat Pump	
Indoor Unit				MSY-TP35VF2	MSY-TP50VF2
Outdoor Unit				MUY-TP35VF2	MUY-TP50VF2
Refrigerant				R32 ⁽¹⁾	
Power Supply	Source			Indoor Power supply	
	Outdoor (V / Phase / Hz)			230V / Single / 50Hz	
Cooling	Design load		kW	3.5	5.0
	Annual electricity consumption ⁽²⁾		kWh/a	134	215
	SEER ⁽⁴⁾			9.0	8.0
	Energy efficiency class			A+++	A++
	Capacity	Rated	kW	3.5	5.0
		Min-Max	kW	1.5 - 4.0	1.5 - 5.7
Heating (Average Season) ⁽³⁾	Total Input		kW	0.760	1.450
	Design load		kW	-	-
	Declared Capacity	at reference design temperature	kW	-	-
		at bivalent temperature	kW	-	-
		at operation limit temperature	kW	-	-
	Back up heating capacity		kW	-	-
Operating Current (Max)	Annual electricity consumption ⁽²⁾		kWh/a	-	-
	SCOP ⁽⁴⁾			-	-
	Energy efficiency class			-	-
	Capacity	Rated	kW	-	-
		Min-Max	kW	-	-
	Total Input		kW	-	-
Indoor Unit	Input		A	9.6	0.034
	Rated		kW	0.033	0.034
	Operating Current (Max)		A	0.4	-
	Dimensions		H*W*D	mm	305-923-250
	Weight		kg	12.1	-
	Air Volume (Lo-Mid-Hi-SH) ⁽³⁾	Cooling	m ³ /min	10.1 - 11.6 - 13.7 - 16.4	10.1 - 11.6 - 13.7 - 16.5
		Heating	m ³ /min	-	-
	Sound Level (SPL) (Lo-Mid-Hi-SH) ⁽³⁾	Cooling	dB(A)	31 - 36 - 40 - 45	-
		Heating	dB(A)	-	-
	Sound Level (PWL)		dB(A)	60	-
Outdoor Unit	Breaker Size		A	10	-
	Dimensions		H*W*D	mm	550-800-285
	Weight		kg	32.5	-
	Air Volume	Cooling	m ³ /min	29.3	-
		Heating	m ³ /min	-	-
	Sound Level (SPL)	Cooling	dB(A)	45	47
		Heating	dB(A)	-	-
	Sound Level (PWL)	Cooling	dB(A)	58	61
		Heating	dB(A)	-	-
	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	-	-

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

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

(³) SHi: Super High

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

MFZ SERIES

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

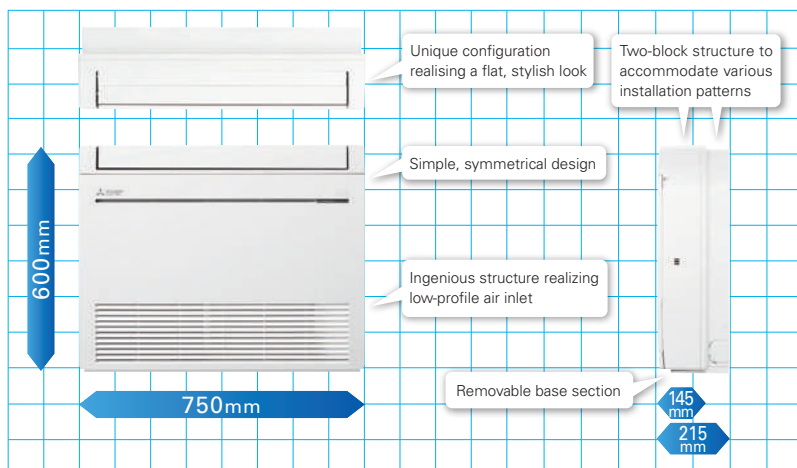
R32 R410A
PUMP

MFZ-KT25/35/50/60VGK



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



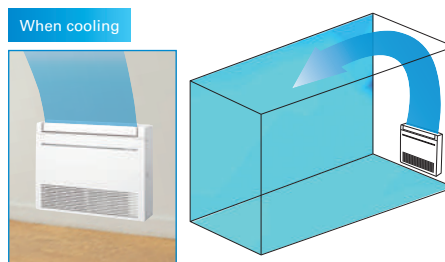
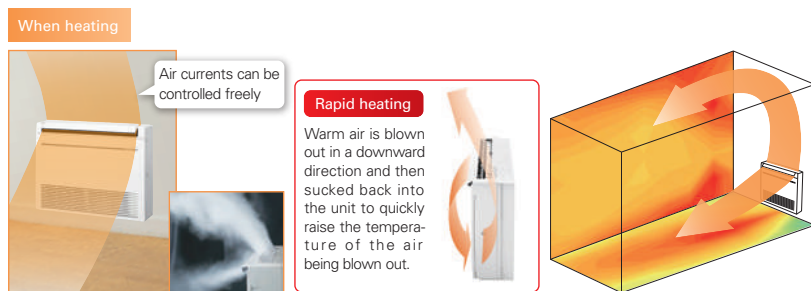
New Line-up

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.



* The downward airflow is also possible as well as heating.

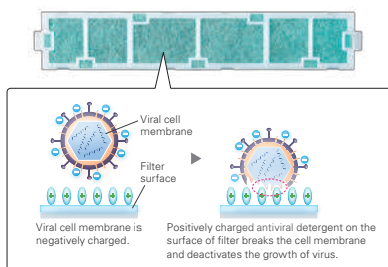
Weekly Timer (Introduced in Response to Market Demand)

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



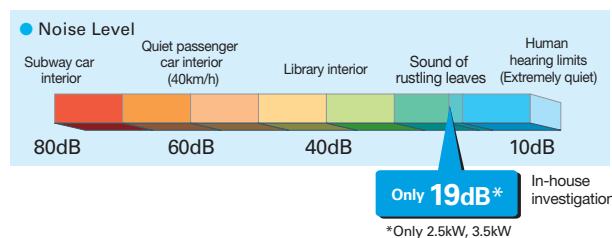
V Blocking Filter with antiviral effect inhibits 99% of adhered virus, and other harmful substances, such as bacteria, mold and allergen. Two-layered filter with non-woven fabric and electrostatic filter can effectively capture and remove small particles from the air in your room.



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



MFZ-KT25/35/50/60VGK

Outdoor Unit



SUZ-M25/35VA2



SUZ-M50VA2



SUZ-M60VA2

Remote Controller



Enclosed in MFZ-KT



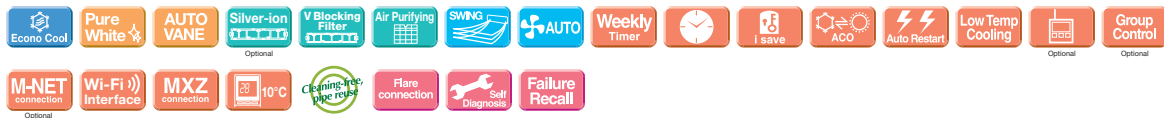
*optional



*optional



*optional



Type			Inverter Heat Pump			
Indoor Unit			MFZ-KT25VGK	MFZ-KT35VGK	MFZ-KT50VGK	MFZ-KT60VGK
Outdoor Unit			SUZ-M25VA2	SUZ-M35VA2	SUZ-M50VA2	SUZ-M60VA2
Refrigerant			R32 ^(*)			
Power Supply	Source		Outdoor power supply			
	Outdoor(V/Phase/Hz)		230 / Single / 50			
Cooling	Design load	kW	2.5	3.5	5.0	6.1
	Annual electricity consumption ⁽²⁾	kWh/a	134	185	257	343
	SEER ^{(4), (5)}		6.5	6.6	6.8	6.2
	Capacity	Energy efficiency class				
			A++			
	Rated	kW	2.5	3.5	5.0	6.1
Heating (Average Season)	Declared Capacity	at reference design temperature	2.0 (-10°C)	2.3 (-10°C)	3.5 (-10°C)	4.1 (-10°C)
		at bivalent temperature	2.0 (-7°C)	2.3 (-7°C)	3.9 (-7°C)	4.1 (-7°C)
		at operation limit temperature	2.0 (-10°C)	2.3 (-10°C)	3.5 (-10°C)	4.1 (-10°C)
	Back up heating capacity	kW	0.2	0.3	0.8	0.5
	Annual electricity consumption ⁽²⁾	kWh/a	732	825	1423	1568
	SCOP ^{(4), (5)}		4.2	4.4	4.2	4.1
Operating Current (Max)	Input	Energy efficiency class				
			A+			
	Rated	kW	3.4	4.3	6.0	7.0
	Min-Max	kW	1.3 - 4.2	1.1 - 5.0	1.5 - 7.2	1.6 - 8.0
	Total Input	kW	0.91	1.26	1.86	2.18
	Rated	A	7.0	8.7	14.0	15.4
Indoor Unit	Input	Rated	kW	0.020 / 0.024	0.037 / 0.052	0.063 / 0.059
	Operating Current(Max)	A		0.27	0.45	0.55
	Dimensions	H*W*D	mm	600-750-215		
	Weight	kg		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	5.6 - 8.0 - 9.6 - 12.3 - 15.0
		Heating	m³/min	3.5 - 4.0 - 5.6 - 7.3 - 9.7	6.0 - 7.7 - 9.4 - 11.6 - 14.0	6.0 - 7.7 - 9.7 - 12.5 - 14.6
Outdoor Unit	Sound Level (SPL)	Cooling	dB(A)	19 - 24 - 31 - 37 - 41	28 - 32 - 37 - 42 - 48	28 - 36 - 40 - 46 - 53
		Heating	dB(A)	19 - 23 - 30 - 37 - 44	29 - 35 - 40 - 44 - 49	29 - 35 - 41 - 47 - 51
	Sound Level (PWL)	Cooling	dB(A)	54	60	65
	Dimensions	H*W*D	mm	550-800-285	714-800-285	880-840-300
	Weight	kg	30	35	41	54
	Air Volume	Cooling	m³/min	36.3	34.3	45.8
Ext. Piping		Heating	m³/min	34.6	32.7	50.1
	Sound Level (SPL)	Cooling	dB(A)	45	48	49
		Heating	dB(A)	46	48	51
	Sound Level (PWL)	Cooling	dB(A)	59	64	65
	Operating Current(Max)	A	7	9	14	15
	Breaker Size	A	10		20	
Guaranteed Operating Range	Diameter	Liquid/Gas	mm	6.35 / 9.52	6.35 / 12.7	6.35 / 15.88
	Max.Length	Out-In	m	20	30	30
	Max.Height	Out-In	m	12		
Guaranteed Operating Range		Cooling	°C	-10 ~ +46		-15 ~ +46
		Heating	°C		-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 675. This means that if 1 kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 675 times higher than 1 kg of CO₂, over a period of 100 years. Never try to interfere with the refrigerant circuit yourself or disassemble the product yourself and always ask a professional.
The GWP of R32 is 675 in the IPCC 4th Assessment Report.

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

(*)3) SHi: Super High

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

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

MFZ-KW SERIES



Indoor Unit

R32
Single



MFZ-KW25/35/50/60VGK



GOOD DESIGN
AWARD 2014

Outdoor Unit

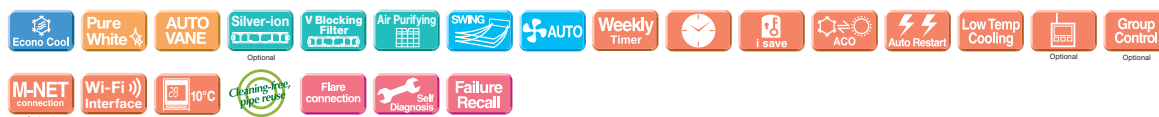


MUFZ-KW25/35VGHZ2



MUFZ-KW50/60VGHZ2

Remote Controller



Type			Inverter Heat Pump			
Indoor Unit			MFZ-KW25VGK	MFZ-KW35VGK	MFZ-KW50VGK	MFZ-KW60VGK
Outdoor Unit			MUFZ-KW25VGHZ2	MUFZ-KW35VGHZ2	MUFZ-KW50VGHZ2	MUFZ-KW60VGHZ2
Refrigerant			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	6.1
	Annual Electricity Consumption ^{(*)2}	kWh/a	104	157	253	321
	SEER ^{(*)4}		8.3	8.0	6.8	6.7
	Energy Efficiency Class		A++			
	Capacity	Rated	kW	2.5	3.5	5.0
		Min - Max	kW	0.7 - 3.6	0.7 - 4.3	1.0 - 5.8
	Total Input	Rated	kW	0.57	0.90	1.36
						1.73
Heating (Average Season)	Design Load	kW	3.5	3.6	4.5	4.8
	Declared Capacity	at reference design temperature	kW	3.5 (-10°C)	3.6 (-10°C)	4.5 (-10°C)
		at bivalent temperature	kW	3.5 (-10°C)	3.6 (-10°C)	4.5 (-10°C)
		at operation limit temperature	kW	2.6 (-25°C)		4.0 (-25°C)
	Back Up Heating Capacity	kW		0.0 (-10°C)		
	Annual Electricity Consumption ^{(*)2}	kWh/a	1189	1213	1520	1628
	SCOP ^{(*)4}		4.1		4.2	4.1
	Energy Efficiency Class		A+			
	Capacity	Rated	kW	3.4	4.3	6.0
		Min - Max	kW	0.35 - 5.1	0.35 - 6.0	1.33 - 9.0
	Total Input	Rated	kW	0.83	1.21	1.62
						1.88
Operating Current (max)			A	9.9	15.3	15.4
Indoor Unit	Input (Cooling/Heating)	Rated	kW	0.019/0.025	0.026/0.052	0.063/0.059
	Operating Current (max)		A	0.25	0.47	0.55
	Dimensions	H*W*D	mm	600 - 750 - 215		
	Weight		kg	15		
	Air Volume (SLo-Lo-Mid-Hi-SHi ^{(*)3})	Cooling	m³/min	3.9 - 4.9 - 5.9 - 7.1 - 8.2	5.6 - 6.7 - 8.0 - 9.3 - 10.6	5.6 - 8.0 - 9.6 - 12.3 - 15.0
		Heating	m³/min	3.5 - 5.1 - 6.2 - 7.7 - 9.7	6.0 - 7.4 - 9.4 - 11.6 - 14.0	6.0 - 7.7 - 9.7 - 12.5 - 14.6
	Sound Level (SPL) (SLo-Lo-Mid-Hi-SHi ^{(*)3})	Cooling	dB(A)	20 - 25 - 30 - 35 - 39	27 - 31 - 35 - 39 - 44	27 - 35 - 39 - 46 - 53
		Heating	dB(A)	18 - 25 - 30 - 35 - 41	29 - 35 - 40 - 45 - 50	29 - 35 - 41 - 47 - 51
	Sound Level (PWL)		dB(A)	49	50	56
						65
Outdoor Unit	Dimensions	H*W*D	mm	550 - 800 - 285	880 - 840 - 330	
	Weight		kg	35	54	
	Air Volume	Cooling	m³/min	31.5	49.8	
		Heating	m³/min	26.2	56.1	
	Sound Level (SPL)	Cooling	dB(A)	47	49	
		Heating	dB(A)	42	52	
	Sound Level (PWL)	Cooling	dB(A)	61	65	66
	Operating Current (max)		A	9.6	14.8	
	Breaker Size		A	10	12	
					16	
Ext. Piping	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	
			Heating	°C	-25 ~ +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 675. This means that if 1 kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 675 times higher than 1 kg of CO₂ over a period of 100 years. Never try to interfere with the refrigerant circuit yourself or disassemble the product yourself and always ask a professional. The GWP of R32 is 675 in the IPCC 4th Assessment Report.

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

(*)3 SHi: Super High

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

MLZ SERIES

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

MLZ-KP25/35/50VG

R32

MLZ-KY20VG

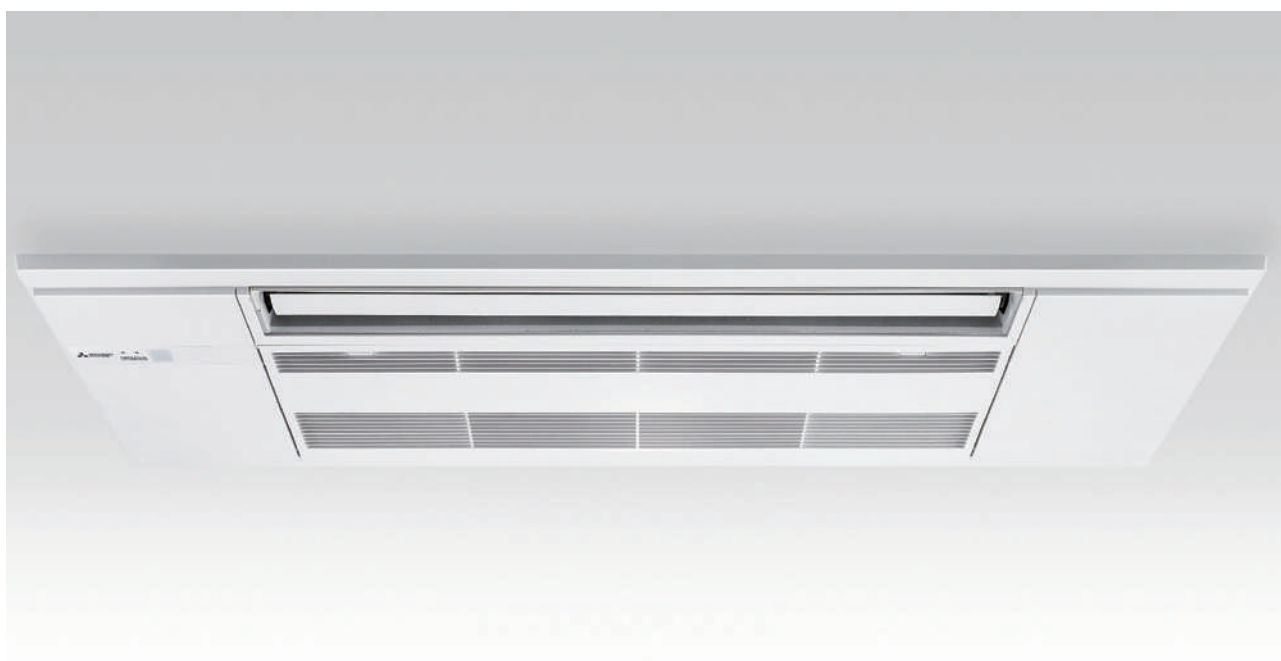


reddot award 2018
winner



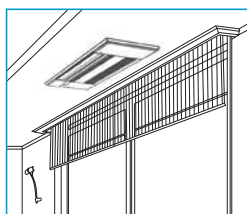
Slim Design KY KP

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



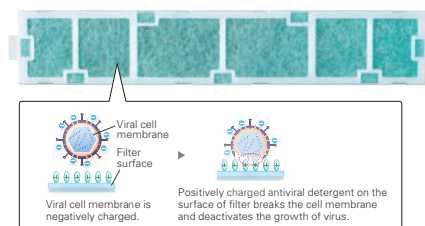
Ceiling Mounted KY KP

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



V Blocking Filter KY

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



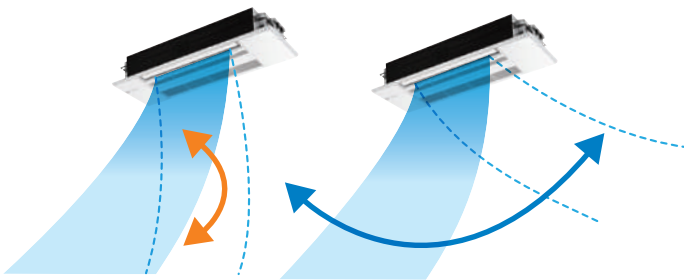
Set Airflow According to Ceiling Height KY KP

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

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

Auto Vane Control KY KP

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



Up and Down

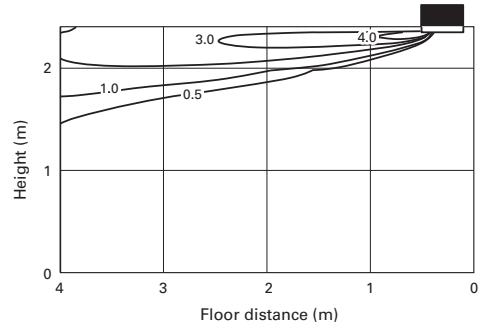
Left and Right

*Only available when Econo Cool is set.

Horizontal Airflow KY KP

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

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



Weekly Timer KY KP Built-in Weekly Timer Function

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

■ Example Operation Pattern (Winter/Heating mode)

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

Settings

Pattern Settings: Input up to four settings for each day

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

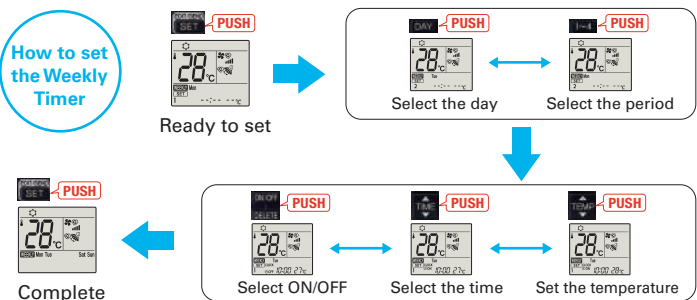
■ Easy set-up using dedicated buttons



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



How to set the Weekly Timer

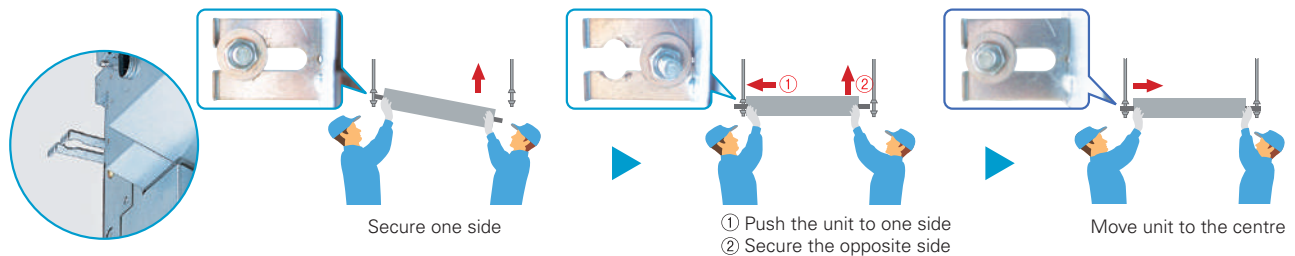


- Start by pushing the "SET" button and follow the instructions to set the desired patterns. Once all of the desired patterns are input, point the top end of the remote controller at the indoor unit and push the "SET" button one more time. (Push the "SET" button only after inputting all of the desired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

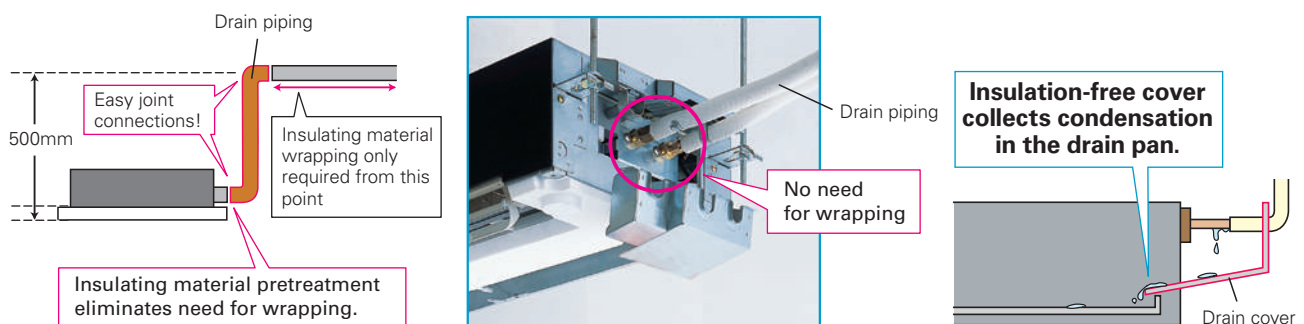
Easy Installation

Temporary Hanging Hook KY KP

Work efficiency has improved during installation.

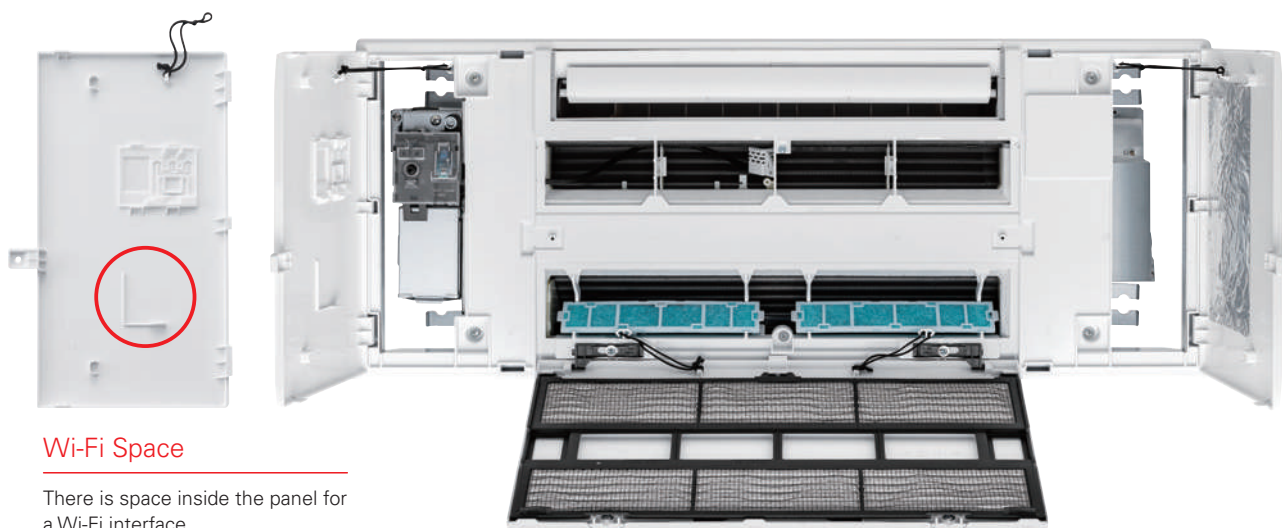


Refrigerant Piping Supporters + Drain Cover KY KP



High Serviceability KY KP

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



MLZ SERIES



Indoor Unit R32



MLZ-KP25/35/50VG



R32



MLZ-KY20VG

Panel

MLP-450W

MLP-448W

Outdoor Unit



SUZ-M25/35VA



SUZ-M50VA

For Multi Connection Only

Remote Controller



Built in MLZ-KP/KY



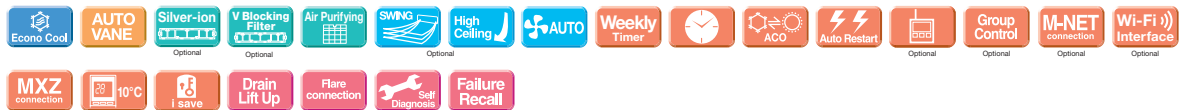
*optional



*optional



*optional



Type	Inverter Heat Pump			
Indoor Unit	MLZ-KY20VG	MLZ-KP25VG	MLZ-KP35VG	MLZ-KP50VG
Outdoor Unit	For Multi connection only	SUZ-M25VA	SUZ-M35VA	SUZ-M50VA
Refrigerant	R32 ^(*)			
Power Supply	Outdoor Power supply 230 / Single / 50			
Cooling	Source			
	Design load	kW	2.5	3.5
	Annual electricity consumption ^(*)	kWh/a	141	175
	SEER ^(*)		6.2	7.0
	Energy efficiency class		A++	
	Capacity	kW	2.5	3.5
	Min-Max	kW	1.4 - 3.2	0.8 - 3.9
Heating (Average Season)	Total Input	kW	0.59	0.94
	Design load	kW	2.2	2.6
	Declared Capacity	kW	2.0 (-10°C)	2.3 (-10°C)
	at reference design temperature	kW	2.0 (-7°C)	2.3 (-7°C)
	at bivalent temperature	kW	2.0 (-10°C)	2.3 (-10°C)
	at operation limit temperature	kW	0.2	0.3
	Back up heating capacity	kW	0.2	0.3
	Annual electricity consumption ^(*)	kWh/a	697	791
	SCOP ^(*)		4.4	4.6
	Energy efficiency class		A+	A++
Indoor Unit	Capacity	kW	3.2	4.1
	Min-Max	kW	1.4 - 4.2	1.1 - 4.9
	Total Input	kW	0.80	1.10
	Operating Current (Max)	A	7.2	8.9
	Input	kW	0.012	0.04
	Operating Current(Max)	A	0.12	0.40
	Dimensions	H*W*D	194-842-301	185-1102-360
Panel	Weight	kg	11	15.5
	Air Volume (SLo-Le-Mid-Hi ^(*))	m³/min	4.3-4.7-5.2-5.6	6.0-7.2-8.0-8.8
	Heating	m³/min	4.3-4.9-5.5-6.0	6.0-7.7-8.8-9.9
	Sound Level (SPL)	dB(A)	30-32-34-37	27-31-34-38
	Heating	dB(A)	29-32-35-38	26-32-36-40
	Sound Level (PWL)	dB(A)	40-42-44-50	52
	Dimensions	H*W*D	34-915-370	24-1200-424
Outdoor Unit	Weight	kg	2.6	3.5
	Dimensions	H*W*D		550-800-285
	Weight	kg		35
	Air Volume	m³/min		36.3
	Heating	m³/min		34.6
	Sound Level (SPL)	dB(A)		45
	Heating	dB(A)		46
Ext. Piping	Sound Level (PWL)	dB(A)		59
	Operating Current (Max)	A		6.8
	Breaker Size	A		10
	Diameter	Liquid/Gas		6.35/9.52
	Max.Length	Out-In		20
	Max.Height	Out-In		12
	Guaranteed Operating Range (Outdoor)	Cooling		-10~+46
		Heating		-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 675. This means that if 1kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 675times higher than 1kg 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".

Specification on Warmer/Colder Condition

Type			Inverter Heat Pump				
Indoor Unit			MSZ-RZ25VU	MSZ-RZ35VU	MSZ-RZ50VU	MSZ-RZ25VU	MSZ-RZ35VU
Outdoor Unit			MUZ-RZ25VUHZ	MUZ-RZ35VUHZ	MUZ-RZ50VUHZ	MUZ-RZ25VU	MUZ-RZ35VU
Refrigerant			R290 ^(*)				
Cooling	Design load	kW	2.5	3.5	5.0	2.5	3.5
	Annual electricity consumption ^(*)	kWh/a	75	127	230	75	127
	SEER		11.7	9.6	7.6	11.7	9.6
Energy efficiency class			A+++		A++	A+++	
Heating (Warmer Season)	Design load	kW	1.8 (2°C)	2.2 (2°C)	3.3 (2°C)	1.7 (2°C)	2.0 (2°C)
	Declared Capacity	at reference design temperature	kW	1.8 (2°C)	2.2 (2°C)	3.3 (2°C)	2.0 (2°C)
		at bivalent temperature	kW	1.8 (2°C)	2.2 (2°C)	3.3 (2°C)	2.0 (2°C)
		at operation limit temperature	kW	3.0 (-30°C)	3.6 (-30°C)	5.0 (-30°C)	4.2 (-20°C)
	Back up heating capacity	kW	0.0 (2°C)				
	Annual electricity consumption ^(*)	kWh/a	374	468	722	355	429
SCOP			6.7	6.5	6.4	6.7	6.5
Energy efficiency class			A+++				
Heating (Colder Season)	Design load	kW	4.7 (-10°C)	5.9 (-10°C)	8.8 (-10°C)	—	
	Declared Capacity	at reference design temperature	kW	3.6 (-22°C)	4.2 (-22°C)	6.4 (-22°C)	—
		at bivalent temperature	kW	3.2 (-10°C)	4.0 (-10°C)	6.0 (-10°C)	—
		at operation limit temperature	kW	3.0 (-30°C)	3.6 (-30°C)	5.0 (-30°C)	—
	Back up heating capacity	kW	1.1 (-22°C)	1.7 (-22°C)	2.4 (-22°C)	—	
	Annual electricity consumption ^(*)	kWh/a	2365	2986	5196	—	
SCOP			4.1	3.5	3.5	—	
Energy efficiency class			A+		A	—	

Type			Inverter Heat Pump		
Indoor Unit			MSZ-RW25VG2	MSZ-RW35VG2	MSZ-RW50VG2
Outdoor Unit			MUZ-RW25VGHZ2	MUZ-RW35VGHZ2	MUZ-RW50VGHZ2
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++
Heating (Warmer Season)	Design load	kW	1.8	2.2	3.3
	Declared Capacity	at reference design temperature	kW	1.8	2.2
		at bivalent temperature	kW	1.8	2.2
		at operation limit temperature	kW	2.6	4.0
	Back up heating capacity	kW	0.0		
	Annual electricity consumption ^(*)	kWh/a	372	469	715
SCOP			6.7	6.5	6.4
Energy efficiency class			A+++		
Heating (Colder Season)	Design load	kW	4.7	5.9	8.8
	Declared Capacity	at reference design temperature	kW	3.7	4.0
		at bivalent temperature	kW	3.2	4.0
		at operation limit temperature	kW	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
Energy efficiency class			A+		A

Type			Inverter Heat Pump															
Indoor Unit			MSZ-LN25VG3		MSZ-LN35VG3		MSZ-LN50VG3		MSZ-LN60VG3									
Outdoor Unit			MUZ-LN25VG3	MUZ-LN25VGHZ3	MUZ-LN35VG3	MUZ-LN35VGHZ3	MUZ-LN50VG3	MUZ-LN50VGHZ3	MUZ-LN60VG3									
Refrigerant			R32 ^(*)															
Cooling	Design load		kW		2.5		3.5		5		5.0		6.1					
	Annual electricity consumption ^(*)		kWh/a		83		129		130		205		230		285			
	SEER				10.5		9.5		9.4		8.5		7.6		7.5			
	Energy efficiency class						A+++						A++					
Heating (Warmer Season)	Design load		kW		1.7 (2°C)		1.8 (2°C)		2.0 (2°C)		2.2 (2°C)		2.5 (2°C)		3.3 (2°C)			
	Declared Capacity	at reference design temperature	kW		1.7 (2°C)		1.8 (2°C)		2.0 (2°C)		2.2 (2°C)		2.5 (2°C)		3.3 (2°C)			
		at bivalent temperature	kW		1.7 (2°C)		1.8 (2°C)		2.0 (2°C)		2.2 (2°C)		2.5 (2°C)		3.3 (2°C)			
		at operation limit temperature	kW		2.5 (-15°C)		2.3 (-25°C)		3.2 (-15°C)		3.1 (-25°C)		4.2 (-15°C)		4.7 (-25°C)		6.0 (-15°C)	
	Back up heating capacity		kW						0.0 (2°C)									
	Annual electricity consumption ^(*)		kWh/a		365		379		421		467		602		767		780	
	SCOP				6.4		6.6		6.5		6.5		5.8		5.9			
Energy efficiency class									A+++									
Heating (Colder Season)	Design load		kW		—		4.7 (-22°C)		—		5.9 (-22°C)		—		8.8 (-22°C)		—	
	Declared Capacity	at reference design temperature	kW		—		2.6 (-22°C)		—		3.4 (-22°C)		—		5.1 (-22°C)		—	
		at bivalent temperature	kW		—		3.2 (-10°C)		—		4.0 (-10°C)		—		6.0 (-10°C)		—	
		at operation limit temperature	kW		—		2.3 (-25°C)		—		3.1 (-25°C)		—		4.7 (-25°C)		—	
	Back up heating capacity		kW		—		2.1 (-22°C)		—		2.5 (-22°C)		—		3.7 (-22°C)		—	
	Annual electricity consumption ^(*)		kWh/a		—		2467		—		3165		—		5299		—	
	SCOP				—		4.0		—		3.9		—		3.4		—	
Energy efficiency class			—			A+			—			A+			—			

Type			Inverter Heat Pump		
Indoor Unit			MSZ-FT25VGK2	MSZ-FT35VGK2	MSZ-FT50VGK2
Outdoor Unit			MUZ-FT25VGH2	MUZ-FT35VGH2	MUZ-FT50VGH2
Refrigerant			R32 ^(*)		
Cooling	Design load	kW	2.5	3.5	5.0
	Annual electricity consumption ^(*)	kWh/a	101	142	243
	SEER		8.6		7.2
Energy efficiency class			A+++		
Heating (Warmer Season)	Design load	kW	1.8 (2°C)	2.2 (2°C)	2.7 (2°C)
	Declared Capacity	at reference design temperature	kW	1.8 (2°C)	2.2 (2°C)
		at bivalent temperature	kW	1.8 (2°C)	2.2 (2°C)
		at operation limit temperature	kW	3.0 (-25°C)	3.4 (-25°C)
	Back up heating capacity	kW	0.0 (2°C)		
	Annual electricity consumption ^(*)	kWh/a	432	528	684
Heating (Colder Season)	SCOP		5.8	5.8	5.5
	Energy efficiency class		A+++		
	Design load	kW	4.7 (-22°C)	5.9 (-22°C)	7.4 (-22°C)
	Declared Capacity	at reference design temperature	kW	3.1 (-22°C)	3.7 (-22°C)
		at bivalent temperature	kW	3.2 (-10°C)	4.0 (-10°C)
		at operation limit temperature	kW	3.0 (-25°C)	3.4 (-25°C)
Heating (Colder Season)	Back up heating capacity	kW	1.6 (-22°C)	2.2 (-22°C)	3.4 (-22°C)
	Annual electricity consumption ^(*)	kWh/a	2766	3438	4707
	SCOP		3.5		3.3
	Energy efficiency class		A		

Type			Inverter Heat Pump							
Indoor Unit			MSZ-AY15VGK(P)2	MSZ-AY20VGK(P)2	MSZ-AY25VGK(P)2	MSZ-AY35VGK(P)2	MSZ-AY42VGK(P)2	MSZ-AY50VGK(P)2	MSZ-AY50VGK(P)2	MSZ-AY50VGK(P)2
Outdoor Unit			MUZ-AY15VG2	MUZ-AY20VG2	MUZ-AY25VG2	MUZ-AY35VG2	MUZ-AY42VG2	MUZ-AY42VG2	MUZ-AY50VG2	MUZ-AY50VG2
Refrigerant			R32 ^(*)							
Cooling	Design load	kW	—	—	2.5	—	—	4.2	—	5.0
	Annual electricity consumption ^(*)	kWh/a	—	—	100	—	141	186	—	232
	SEER		—	—	—	8.7	—	7.9	—	7.5
Energy efficiency class			—	—	—	A+++	—	A++	—	—
Heating (Warmer Season)	Design load	kW	0.9 (2°C)	—	1.3 (2°C)	—	1.6 (2°C)	2.1 (2°C)	—	2.3 (2°C)
	Declared Capacity	at reference design temperature	kW	0.9 (2°C)	—	1.3 (2°C)	—	1.6 (2°C)	—	2.3 (2°C)
		at bivalent temperature	kW	0.9 (2°C)	—	1.3 (2°C)	—	1.6 (2°C)	—	2.3 (2°C)
		at operation limit temperature	kW	1.6 (-15°C)	1.8 (-20°C)	1.9 (-20°C)	—	2.0 (-20°C)	2.7 (-20°C)	3.0 (-20°C)
	Back up heating capacity	kW	0.0 (2°C)							
	Annual electricity consumption ^(*)	kWh/a	267	350	319	—	376	495	—	528
Heating (Colder Season)	SCOP		4.7	5.2	5.7	—	5.9	—	—	6.1
	Energy efficiency class		A++	—	—	—	A+++	—	—	—

Type			Inverter Heat Pump	
Indoor Unit			MSZ-AP60VG(K)2	MSZ-AP71VG(K)2
Outdoor Unit			MUZ-AP60VG2	MUZ-AP71VG3
Refrigerant			R32 ^(*)	
Cooling	Design load	kW	6.1	7.1
	Annual electricity consumption ^(*)	kWh/a	288	345
	SEER		7.4	7.2
Energy efficiency class			A++	
Heating (Warmer Season)	Design load	kW	2.5 (2°C)	3.7 (2°C)
	Declared Capacity	at reference design temperature	kW	2.5 (2°C)
		at bivalent temperature	kW	2.5 (2°C)
		at operation limit temperature	kW	3.7 (-15°C)
	Back up heating capacity	kW	0.0 (2°C)	
	Annual electricity consumption ^(*)	kWh/a	630	888
Heating (Colder Season)	SCOP		5.5	5.8
	Energy efficiency class		A+++	

Type			Inverter Heat Pump			
Indoor Unit			MSZ-EF25VG2		MSZ-EF35VG2	MSZ-EF42VG2
Outdoor Unit			MUZ-EF25VG2	MUZ-EF25VGH2	MUZ-EF35VGH2	MUZ-EF42VGH2
Refrigerant			R32 ^(*)			
Cooling	Design load	kW	2.5	—	3.5	4.2
	Annual electricity consumption ^(*)	kWh/a	96	—	139	186
	SEER		9.1	—	8.8	7.9
Energy efficiency class			A+++		A++	
Heating (Warmer Season)	Design load	kW	1.3 (2°C)	—	1.6 (2°C)	2.1 (2°C)
	Declared Capacity	at reference design temperature	kW	1.3 (2°C)	1.6 (2°C)	2.1 (2°C)
		at bivalent temperature	kW	1.3 (2°C)	1.6 (2°C)	2.1 (2°C)
		at operation limit temperature	kW	2.0 (-15°C)	2.4 (-15°C)	3.4 (-15°C)
	Back up heating capacity	kW	0.0 (2°C)			
	Annual electricity consumption ^(*)	kWh/a	344	—	394	502
Heating (Colder Season)	SCOP		5.6	—	5.8	5.4
	Energy efficiency class		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 uid with a GWP of 3. This means that if 1 kg of this refrigerant uid would be leaked to the atmosphere, the impact on global warming would be 3 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 R290 is 3 in the IPCC 4th Assessment Report.

(*) 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 675. This means that if 1 kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 675 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.

Type		Inverter Heat Pump			
Indoor Unit		MSZ-BT20VG2	MSZ-BT25VG2	MSZ-BT35VG2	MSZ-BT50VG2
Outdoor Unit		MUZ-BT20VG2	MUZ-BT25VG2	MUZ-BT35VG2	MUZ-BT50VG2
Refrigerant		R32 ^(*)			
Cooling	Design load	kW	2.0	2.5	3.5
	Annual electricity consumption ⁽²⁾	kWh/a	86	108	180
	SEER		8.1		6.8
		Energy efficiency class	A++		
Heating (Warmer Season)	Design load	kW	1.2 (2°C)	1.3 (2°C)	1.4 (2°C)
	Declared Capacity	at reference design temperature	kW	1.2 (2°C)	1.3 (2°C)
		at bivalent temperature	kW	1.2 (2°C)	1.4 (2°C)
		at operation limit temperature	kW	1.3 (-15°C)	1.7 (-15°C)
	Back up heating capacity	kW	0.0 (2°C)		
	Annual electricity consumption ⁽²⁾	kWh/a	314	311	330
		SCOP	5.3	5.7	5.9
		Energy efficiency class	A+++		

Type		Inverter Heat Pump					
Indoor Unit		MSZ-HR25VF2	MSZ-HR35VF2	MSZ-HR42VF2	MSZ-HR50VF2	MSZ-HR60VF2	MSZ-HR71VF2
Outdoor Unit		MUZ-HR25VF2	MUZ-HR35VF2	MUZ-HR42VF2	MUZ-HR50VF2	MUZ-HR60VF2	MUZ-HR71VF2
Refrigerant		R32 ^(*)					
Cooling	Design load	kW	2.5	3.4	4.2	5.0	7.1
	Annual electricity consumption ⁽²⁾	kWh/a	139	192	226	269	355
	SEER		6.2		6.5		7.0
		Energy efficiency class	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)
	Declared Capacity	at reference design temperature	kW	1.1 (2°C)	1.3 (2°C)	1.6 (2°C)	2.1 (2°C)
		at bivalent temperature	kW	1.1 (2°C)	1.3 (2°C)	1.6 (2°C)	2.5 (2°C)
		at operation limit temperature	kW	2.0 (-10°C)	2.4 (-10°C)	2.9 (-10°C)	3.8 (-10°C)
	Back up heating capacity	kW	0.0 (2°C)				
	Annual electricity consumption ⁽²⁾	kWh/a	288	342	427	539	640
		SCOP	5.3		5.2	5.4	802
		Energy efficiency class	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
	Annual electricity consumption ⁽²⁾	kWh/a	135	184
	SEER		6.2	6.5
		Energy efficiency class	A++	
Heating (Warmer Season)	Design load	kW	1.1 (2°C)	1.3 (2°C)
	Declared Capacity	at reference design temperature	kW	1.1 (2°C)
		at bivalent temperature	kW	1.1 (2°C)
		at operation limit temperature	kW	1.9 (-10°C)
	Back up heating capacity	kW	0.0 (2°C)	
	Annual electricity consumption ⁽²⁾	kWh/a	287	351
		SCOP	5.3	5.1
		Energy efficiency class	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 675. This means that if 1 kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 675 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.