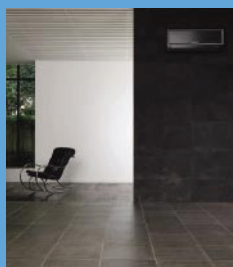






# M

SERIES



# SELECTION

Choose the model that best matches room conditions.

STEP 1		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			
<div>MSZ-F SERIES</div> <div></div> <div><div>DC Inverter</div><div>Super energy-saving</div><div>EER A</div><div>COP A</div><div>25/35</div><div>Ultra-quiet</div><div>Cooling Heating</div><div>MXZ connection</div></div>	<div>MSZ-E SERIES</div> <div></div> <div><div>DC Inverter</div><div>EER A</div><div>COP A</div><div>Cooling Heating</div><div>MXZ connection</div></div>	<div>MSZ-G SERIES</div> <div></div> <div><div>DC Inverter</div><div>EER A</div><div>COP A</div><div>22-35</div><div>Ultra-quiet</div><div>Cooling Heating</div><div>MXZ connection</div></div>	
Wall-mounted Units			
<div>MSZ-H SERIES</div> <div></div> <div><div>DC Inverter</div><div>VA</div><div>EER A</div><div>COP A</div><div>Cooling Heating</div></div>	<div>MSZ-S SERIES</div> <div></div> <div><div>DC Inverter</div><div>Cooling Heating</div><div>MXZ connection</div><div>* MXZ connection only</div></div>	<div>MSH-G SERIES</div> <div></div> <div><div>20-35</div><div>20-35</div><div>EER A</div><div>COP A</div><div>Cooling Heating</div></div>	
Wall-mounted Units		Floor-standing/Cassette Units	
<div>MS-G SERIES</div> <div></div> <div><div>20/25</div><div>EER A</div></div>	<div>MFZ SERIES</div> <div></div> <div><div>DC Inverter</div><div>25/35</div><div>25/35</div><div>EER A</div><div>COP A</div><div>Cooling Heating</div><div>MXZ connection</div></div>	<div>MLZ SERIES</div> <div></div> <div><div>DC Inverter</div><div>Cooling Heating</div><div>MXZ connection</div><div>* MXZ connection only</div></div>	
<div><div>DC Inverter</div><div>Inverter</div><div>Super energy-saving</div><div>Super energy-saving</div><div>EER A</div><div>COP A</div><div>Energy Rank A</div><div>Ultra-quiet</div><div>Ultra-quiet operation</div><div>Cooling Heating</div><div>Cooling and heating operation</div><div>MXZ</div><div>Compatible for connection to MXZ Series system</div><div>* To confirm compatibility with the MXZ Series multi-type system, refer to the MXZ Series page.</div></div>			

## STEP 2

## 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

A compact, white outdoor air conditioning unit with a large circular fan grille and a Mitsubishi logo on the right side.

MUZ-EF25/35VEH  
MUZ-GE25/35/42VAH

A larger, white outdoor air conditioning unit with a prominent circular fan grille and a Mitsubishi logo on the right side.

MUZ-GE50VAH

A compact, white outdoor air conditioning unit with a large circular fan grille and a Mitsubishi logo on the right side.

SUZ-KA25/35VAH

### 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-F SERIES

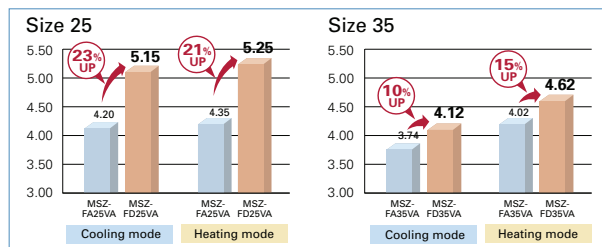
The FD Series is designed for optimum cooling/heating performance as well as operational comfort. Quiet, energy-saving operation is supported by some of Mitsubishi Electric's latest technologies. Advanced functions such as i-see Sensor temperature control and the Plasma Duo air filtering and purification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



## High Energy Efficiency



Power consumption has been reduced by approximately 20% for the cooling and heating modes thanks to the incorporation of our newest inverter technologies. The high energy efficiency of the Size 25 units has obtained a rating of more than 5.0 for both coefficient of performance (COP) and energy efficiency rating (EER).



### KEY TECHNOLOGIES

#### Rare Earth Magnet Rotor for Compressor

Mitsubishi Electric compressor motors utilize a rotor made using a rare earth magnet, the magnetic flux density of which is approximately threefold that of the previous ferrite magnet. This rare metal magnet provides high density and increased magnetic force, which leads to a reduction in energy consumption.



#### Samarium Magnet Rotor Introduced for DC Fan Motor of Outdoor Units

The rotor magnet for the DC motors of the outdoor units has been changed from ferrite to samarium, which has higher magnetic flux. Additionally, the magnet is cut and specially shaped for better efficiency.

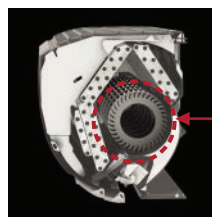


## Quiet Operation

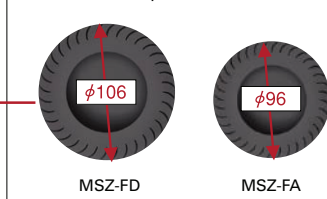
Minimum indoor unit operating noise has been reduced by equipping the unit with a larger blower fan that enables the motor speed to be reduced without reducing the air conditioning capacity.

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

Side view of MSZ-FD



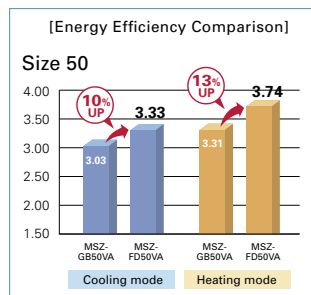
Line flow fan comparison



## Introducing Size 50 Units Equipped with Deluxe Inverter Series

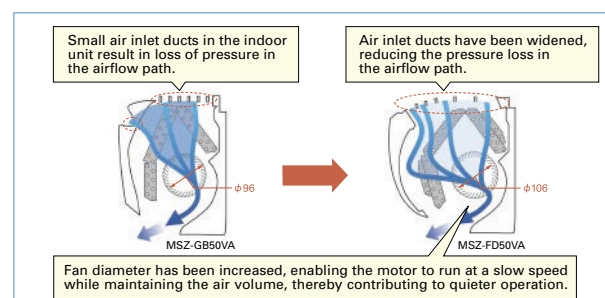
### High Energy Efficiency – “Energy Rank A” for All Models

Applying the latest inverter technologies, such as the use of a rare earth magnet in the rotor of the DC fan motor, has resulted in remarkably high energy efficiency and an “Energy Rank A” rating for cooling and heating performance.



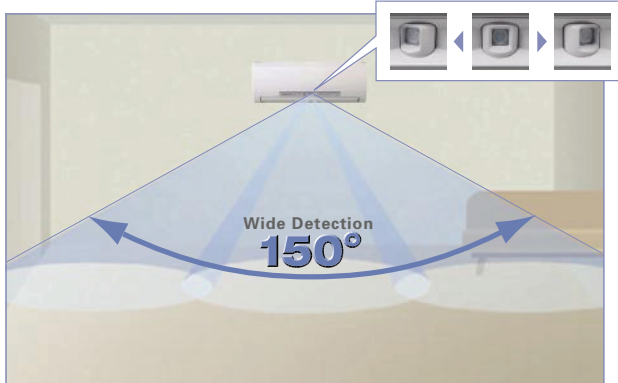
## Amazingly Quiet Operation – Redesigned for Performance

The MSZ-FD50VA has a larger fan diameter, wider air inlet in the upper section of the indoor unit and a revised airflow path, which has enabled operation noise to be reduced by 3dB in both cooling and heating modes.



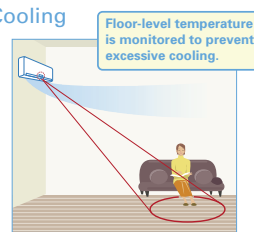
## i-see Sensor

Sensor sweeps from side-to-side automatically monitoring the floor temperature over a wide area spanning 150°.



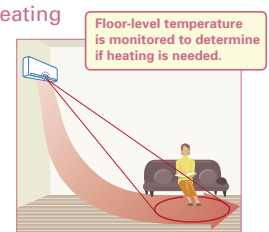
Conventional air conditioners monitor the air temperature at the top of a room to control room temperature and fail to take floor-level temperature, that which has the strongest impact on room comfort, into consideration. The "i-see Sensor" monitors floor-level temperature to ensure that optimum comfort is obtained throughout the room.

### Cooling



Cold air migrates to the floor, and this can result in excessive cooling. The "i-see Sensor" monitors the temperature at the floor level and adjusts the outlet-air temperature to prevent over-chilling.

### Heating

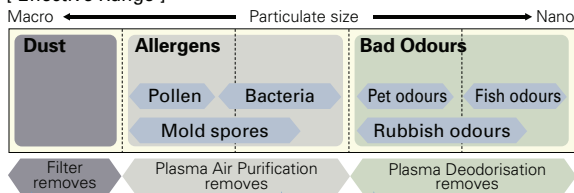


Warm air migrates to the ceiling, thereby failing to warm the floor-level zone. The "i-see Sensor" monitors the temperature at the floor level and adjusts the outlet-air temperature to prevent insufficient warming.

## Plasma Duo Filter Systems

FD Series air conditioners are equipped with state-of-the-art air cleaning technologies including a pre-filter and two plasma-based filtering mechanisms (Plasma Duo) that virtually deodorise and purify the air.

### [ Effective Range ]



Standard filters capture dust in the air, but they cannot catch smaller particulates.

The FD Series has a plasma-based system with dual functions—air purification and deodorisation—that work to capture small particulates that standard filters cannot, and keep indoor-air clean.

Plasma electrode located here



### Plasma Electrode

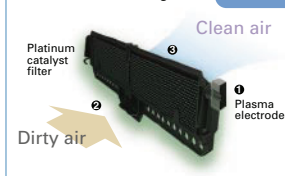
A plasma electrode is mounted inside the indoor unit. An electro-discharge process generates ozone and plasma, which then work together with the two special filters to produce dynamic plasma air-purifying performance.

### Plasma Deodorisation

A nanometre scale-meshed platinum catalyst deodorising filter catches odorous particulates that are in the air. Once trapped, the particulates are decomposed and odours eliminated by ozone generated from a plasma electrode.

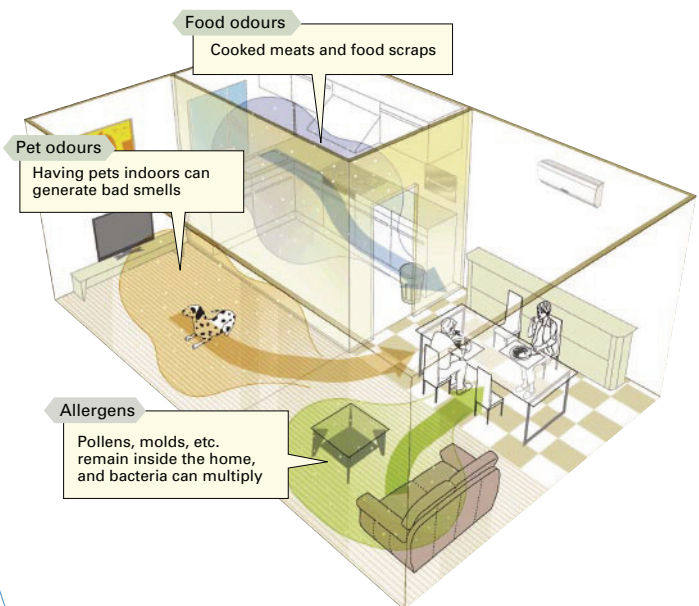
Deodorising time reduced approx. 50% (compared to FA Series)

#### ■ Plasma Deodorising Filter



- 1 Plasma electrode produces ozone
- 2 Odour-causing particulates trapped
- 3 Odour-causing particulates decomposed by ozone

Highly insulated, airtight residences tend to trap odours, allergens like pollen and mold, and bacteria generated in daily life inside the home.



### Plasma Air Purification

An electrified anti-allergen enzyme filter is incorporated. A combination of static electricity charged into the filter and plasma generated by the plasma electrode is used to catch bacteria, pollen and other allergens in the air, which are then neutralised by the enzymes in the filter.

#### ■ Plasma Purifying Filter



- 1 Plasma electrode produces plasma
- 2 Plasma gives particulates a negative charge
- 3 Positive side of the electret filter attracts the negatively charged particulates and enzymes neutralise them

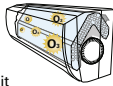
## Mold Fighter

MSZ-FD Series units are equipped with a "Mold Fighter" function designed to suppress the growth of mold spores. The plasma electrode generates ozone, which then attacks the spores and reduces growth by approximately 20%.

### ■ Mold Fighter Mechanism

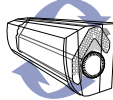
#### Step 1

Following the use of the cooling mode, the ozone generated by the plasma electrode is distributed throughout the indoor unit in approximately 15 minutes.

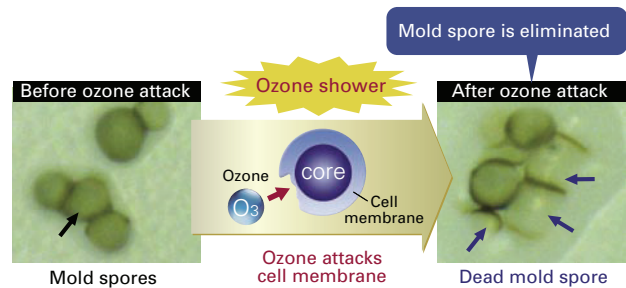


#### Step 2

The fan is turned on, and the heat exchanger is dried in approximately 25 minutes.



\* Fan speed → very low



### What is Ozone?

Ozone ( $O_3$ ) is a very unstable molecule that slowly transforms itself into oxygen ( $O_2$ ) and nascent oxygen ( $O$ ). Splitting the nascent oxygen creates the oxidising ability to sterilise and deodorise.



### Ozone density during the ozone shower is safe

#### ◆ 0.1ppm inside indoor unit

→ Within the upper limit of the acceptable range for ozone gas density in work environments.

[Safety limit advised by the Japan Society for Occupational Health.]

#### ◆ 0.01ppm or lower in room

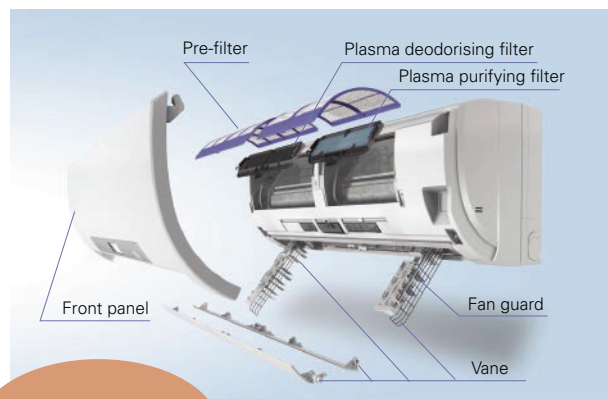
→ Below the average ozone density in coastal or forested regions.

## Quick Clean Body

The front panel is detachable and the airflow vents can be opened without requiring any special tools, making air conditioner cleaning and maintenance easier than ever. Periodic cleaning of the air conditioner is recommended to ensure that operation efficiency and energy savings are maximised.



\* Wearing gloves is highly recommended when cleaning the heat exchanger, because touching it with bare hands can cause injury.



Proper maintenance keeps electricity cost low



The exclusive Quick Clean Kit is easily connected to household vacuum cleaners for quick and convenient cleaning of the heat exchanger and fan.\*



## White & Silver Indoor Units

Indoor units are available in two colours, white or silver. Choose the colour that best matches your room interior.

### White



MSZ-FD25/35/50VA

### Silver



MSZ-FD25/35/50VAS



# MSZ-F SERIES



## Indoor Unit



MSZ-FD25/35/50VA

White



MSZ-FD25/35/50VAS

Silver

## Outdoor Unit



MUZ-FD25/35VA



MUZ-FD50VA

## Remote Controller



Type			Inverter Heat Pump			
Indoor Unit			MSZ-FD25VA(S)* <sup>1</sup>	MSZ-FD35VA(S)* <sup>1</sup>	MSZ-FD50VA(S)* <sup>1</sup>	
Outdoor Unit			MUZ-FD25VA	MUZ-FD35VA	MUZ-FD50VA	
Power Supply	Source		Outdoor power supply			
	Outdoor (V/Phase/Hz)		230 / Single / 50			
Cooling	Capacity	Rated	kW	2.5	3.5	5.0
		Min - Max	kW	1.1 - 3.5	1.1 - 4.0	1.5 - 5.8
	Total Input	Rated	kW	0.485	0.850	1.500
		EER			5.15	4.12
	SPL	EEL Rank		A	A	A
		Indoor Unit [Lo-Mid-Hi-SHi* <sup>2</sup> ]	dB(A)	20 - 29 - 36 - 42	21 - 29 - 36 - 43	29 - 39 - 45 - 52
	Air Volume	Outdoor Unit [Rated]	dB(A)	46	47	54
		Indoor Unit [Lo-Mid-Hi-SHi* <sup>2</sup> ]	m <sup>3</sup> /min	4.6 - 6.3 - 8.6 - 11.2	4.6 - 6.3 - 8.6 - 11.2	6.3 - 8.9 - 11.2 - 14.8
	Heating	Capacity	Outdoor Unit [Rated]	m <sup>3</sup> /min	35.2	36.3
Rated			kW	3.2	4.0	5.8
Total Input		Min - Max	kW	1.5 - 5.5	1.5 - 6.3	1.5 - 7.8
		Rated	kW	0.610	0.865	1.550
COP				5.25	4.62	3.74
		EEL Rank		A	A	A
SPL		Indoor Unit [Lo-Mid-Hi-SHi* <sup>2</sup> ]	dB(A)	20 - 29 - 36 - 43	21 - 29 - 36 - 44	27 - 37 - 43 - 50
		Outdoor Unit [Rated]	dB(A)	46	50	56
Air Volume		Indoor Unit [Lo-Mid-Hi-SHi* <sup>2</sup> ]	m <sup>3</sup> /min	4.5 - 6.7 - 9.2 - 12.1	4.7 - 6.7 - 9.2 - 12.5	5.5 - 8.9 - 11.2 - 14.8
	Outdoor Unit [Rated]	m <sup>3</sup> /min	32.8	37.8	49.0	
Operating Current (max)			10.0	10.0	16.0	
Indoor Unit	Input	Rated	kW	0.031	0.033	0.060
			A	0.4	0.4	0.5
	Dimensions	H x W x D	mm	295 - 798 - 257	295 - 798 - 257	295 - 798 - 257
		Weight	kg	12	12	12
	Breaker Size	A	10	10	16	
Outdoor Unit	Dimensions	H x W x D	mm	550 - 800 - 285	550 - 800 - 285	850 - 840 - 330
		Weight	kg	36	36	55
	Operating Current (max)	A	9.60	9.60	15.5	
		Breaker Size	A	10	10	16
	Ext. Piping	Diameter	Liquid / Gas	mm	6.35 / 9.52	6.35 / 9.52
Max. Length		Out-In	m	20	20	30
Max. Height		Out-In	m	12	12	15
Guaranteed Operating Range [Outdoor]	Cooling	°C	-10 ~ +46	-10 ~ +46	-10 ~ +46	
	Heating	°C	-15 ~ +24	-15 ~ +24	-15 ~ +24	

\*1 MSZ-FD VAS is silver.

\*2 SHI → Super High

# 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-EF22-50VEB



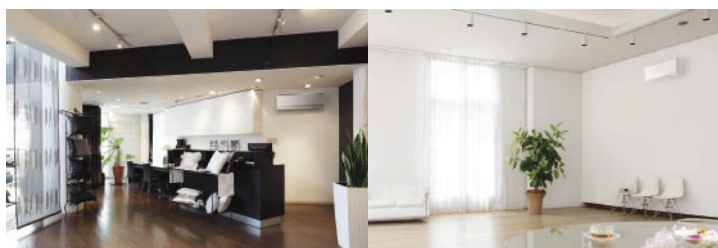
product  
design  
award

2011



## 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 the "Rank A" 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.

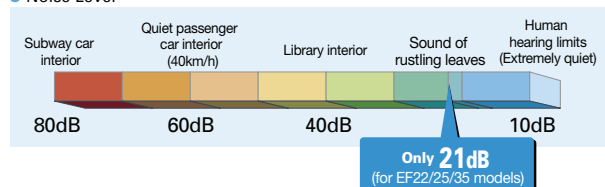
<div>Outdoor</div> <div>Indoor</div>		Rank A for single connection MUZ-EF25/35VE(H) MUZ-EF42/50VE	Compatibility								
			MXZ								
			2C30VA*	2C40VA*	2C52VA*	3C54VA	3C68VA	4C71VA	4C80VA	5C100VA	6C120VA
MSZ-EF22VE		A/A	✓	✓	✓	✓	✓	✓	✓	✓	✓
MSZ-EF25VE		A/A	✓	✓	✓	✓	✓	✓	✓	✓	✓
MSZ-EF35VE		A/A		✓	✓	✓	✓	✓	✓	✓	✓
MSZ-EF42VE		A/A			✓	✓	✓	✓	✓	✓	✓
MSZ-EF50VE		A/A			✓	✓	✓	✓	✓	✓	✓

\* Available in Spring 2011

## Quiet Comfort All Day Long

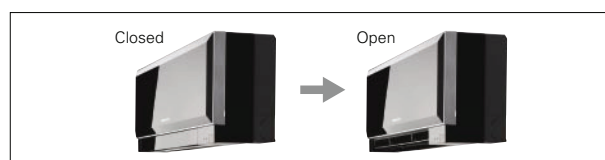
Mitsubishi Electric's advanced "Silent Mode" fan speed setting provides super-quiet operation as low as 21dB for EF22/25/35 models. This unique feature makes the Kirigamine ZEN series ideal for use in any situation.

### Noise Level



## Superior Exterior and Operating Design Concept

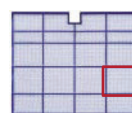
The indoor unit of the Kirigamine ZEN keeps its amazingly thin form even during operation. The only physical change notable is the movement of the variable vent. As a result, a slim attractive look is maintained.



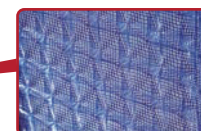
## Nano Platinum Filter



This filter incorporates nanometre-sized platinum-ceramic particles that generate stable antibacterial and deodourising effects. The size of the three-dimensional surface has been increased as well, enlarging the filter capture area. These features give the Nano Platinum Filter 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)**

## 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-EF25/35VE

### Heater Installed



MUZ-EF25/35VEH

# MSZ-E SERIES



## Indoor Unit



MSZ-EF22/25/35/42/50VEW

White



MSZ-EF22/25/35/42/50VES

Silver



MSZ-EF22/25/35/42/50VEB\*

Black

\*Soft-dry Cloth is enclosed with Black models.

## Outdoor Unit



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



MUZ-EF50VE

## Remote Controller



Type				Inverter Heat Pump				
Indoor Unit				MSZ-EF22VEW/VEB/VES	MSZ-EF25VEW/VEB/VES	MSZ-EF35VEW/VEB/VES	MSZ-EF42VEW/VEB/VES	MSZ-EF50VEW/VEB/VES
Outdoor Unit				N/A*2	MUZ-EF25VE(H)	MUZ-EF35VE(H)	MUZ-EF42VE*3	MUZ-EF50VE*3
Power Supply	Source			Outdoor power supply				
	Outdoor (V/Phase/Hz)			230 / Single / 50				
	Indoor (V/Phase/Hz)			-				
Cooling	Capacity	Rated	kW	-	2.5	3.5	4.2	5.0
		Min - Max	kW	-	1.2 - 3.4	1.4 - 4.0	0.9 - 4.6	1.4 - 5.4
	Total Input	Rated	kW	-	0.545	0.910	1.280	1.560
	EER			-	4.59	3.85	3.28	3.21
		EEL Rank		-	A	A	A	A
	SPL	Indoor Unit [Silent-Lo-Mid-Hi-SHi*1]	dB(A)	21 - 23 - 29 - 36 - 42	21 - 23 - 29 - 36 - 42	21 - 24 - 29 - 36 - 42	28 - 31 - 35 - 39 - 42	30 - 33 - 36 - 40 - 43
		Outdoor Unit [Rated]	dB(A)	-	47	49	50	52
	Air Volume	Indoor Unit [Silent-Lo-Mid-Hi-SHi*1]	m³/min	4.0 - 4.6 - 6.3 - 8.3 - 10.5	4.0 - 4.6 - 6.3 - 8.3 - 10.5	4.0 - 4.6 - 6.3 - 8.3 - 10.5	5.8 - 6.6 - 7.7 - 8.9 - 10.3	5.8 - 6.8 - 7.9 - 9.3 - 11
Outdoor Unit [Rated]		m³/min	-	32.6	33.6	35.2	44.6	
Heating	Capacity	Rated	kW	-	3.2	4.0	5.4	5.8
		Min - Max	kW	-	1.1 - 4.2	1.8 - 5.5	1.4 - 6.3	1.6 - 7.5
	Total Input	Rated	kW	-	0.700	0.955	1.460	1.565
	COP			-	4.57	4.19	3.70	3.71
		EEL Rank		-	A	A	A	A
	SPL	Indoor Unit [Silent-Lo-Mid-Hi-SHi*1]	dB(A)	21 - 24 - 29 - 37 - 45	21 - 24 - 29 - 37 - 45	21 - 24 - 30 - 38 - 46	28 - 30 - 35 - 41 - 48	30 - 33 - 37 - 43 - 49
		Outdoor Unit [Rated]	dB(A)	-	48	50	51	52
	Air Volume	Indoor Unit [Silent-Lo-Mid-Hi-SHi*1]	m³/min	4.0 - 4.6 - 6.2 - 8.9 - 11.9	4.0 - 4.6 - 6.2 - 8.9 - 11.9	4.0 - 4.6 - 6.2 - 8.9 - 12.7	5.5 - 6.3 - 7.8 - 9.9 - 12.7	6.4 - 7.3 - 9.0 - 11.1 - 13.2
Outdoor Unit [Rated]		m³/min	-	32.2	33.6	33.6	44.6	
Operating Current (max)				-	7.3	8.5	9.5	12.4
Indoor Unit	Input	Rated	kW	0.027	0.027	0.031	0.031	0.034
	Operating Current (max)		A	0.3	0.3	0.3	0.3	0.4
	Dimensions		H x W x D	mm	299 - 895 - 195	299 - 895 - 195	299 - 895 - 195	299 - 895 - 195
	Weight		kg	11.5	11.5	11.5	11.5	11.5
	Breaker Size		A	10	10	10	10	16
Outdoor Unit	Dimensions	H x W x D	mm	-	550 - 800 - 285	550 - 800 - 285	550 - 800 - 285	880 - 840 - 330
	Weight		kg	-	30	35	35	54
	Operating Current (max)		A	-	7.0	8.2	9.2	12.0
	Breaker Size		A	-	10	10	10	16
	Diameter		Liquid / Gas	mm	-	6.35 / 9.52	6.35 / 9.52	6.35 / 9.52
Ext. Piping	Max. Length		Out-In	m	-	20	20	30
	Max. Height		Out-In	m	-	12	12	15
	Guaranteed Operating Range [Outdoor]		Cooling	°C	-	-10 ~ +46	-10 ~ +46	-10 ~ +46
			Heating	°C	-	-15(-20) ~ +24	-15 ~ +24	-15 ~ +24

\*1 SHi → Super High \*2 MSZ-EF22 is for MXZ connection only.

\*3 Freeze-prevention Heater (for Drain Pan) is available as optional parts. For EF42 : MAC-643BH-E. For EF50 : MAC-644BH-E.



# MSZ-G SERIES

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

MSZ-GE22/25/35/42/50VA

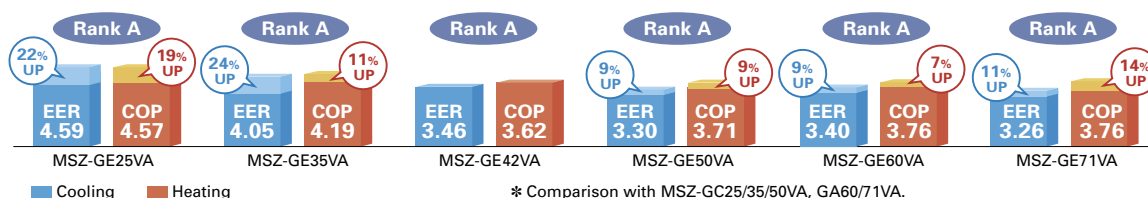
MSZ-GE60/71VA



## "Rank A" Energy Savings Achieved for Entire Range of Series



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



## Wide Line-up

Seven different indoor units (Model 22-71) and 10 outdoor units are available to meet your diversified air conditioning needs.



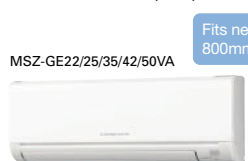
MSZ-GE22/25/35/42/50VA



MSZ-GE60/71VA

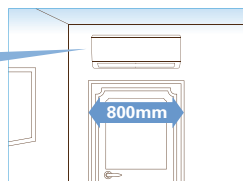
## Stylish and Compact

An elegant, high-quality look is achieved through the new stylish design adopted for indoor units. The simple ergonomic square shape and pure white color express a sense of sophistication that matches well with virtually any interior décor.



Only 798mm

Fits neatly above 800mm-wide doors.



\* In the case of MSZ-GE22-50

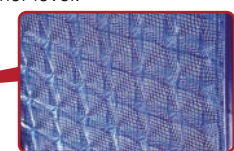
## Nano Platinum Filter



This filter incorporates nanometre-sized platinum-ceramic particles that generate stable antibacterial and deodorising effects. The size of the three-dimensional surface has been increased as well, enlarging the filter capture area. These features give the Nano Platinum Filter of the MSZ-GE60/71 models 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)

## Quiet Operation

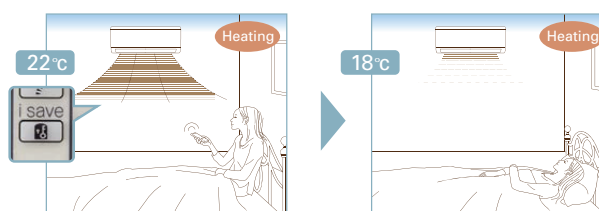


A "Silent Mode" setting has been added to the fan speed settings, ensuring super-quiet operation below 20dB for model sizes 35 and under. Perfect for the bedroom; it's so quiet you'll check to see if it's on.

## "i save" Mode



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



\* Temperature can be preset to 10°C when heating in the "i-save" mode (except when connected to MXZ-8A140VA).

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

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

### Standard Units



MUZ-GE25/35/42VA

MUZ-GE50VA

### Heater Installed



MUZ-GE25/35/42VAH

MUZ-GE50VAH

# MSZ-G SERIES



## Indoor Unit



MSZ-GE22/25/35/42/50VA



MSZ-GE60/71VA

## Outdoor Unit



MUZ-GE25/35/42VA(H)



MUZ-GE50VA(H)



MUZ-GE60/71VA

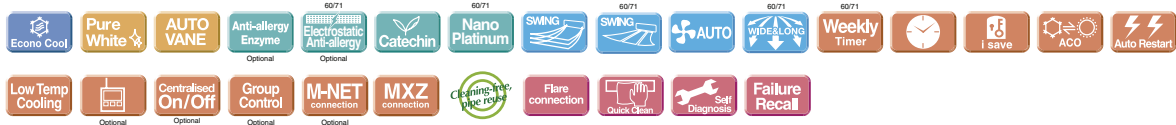
## Remote Controller



MSZ-GE22/25/35/42/50VA



MSZ-GE60/71VA



Type				Inverter Heat Pump						
Indoor Unit				MSZ-GE22VA	MSZ-GE25VA	MSZ-GE35VA	MSZ-GE42VA	MSZ-GE50VA	MSZ-GE60VA	MSZ-GE71VA
Outdoor Unit				N/A*2	MUZ-GE25VA(H)	MUZ-GE35VA(H)	MUZ-GE42VA(H)	MUZ-GE50VA(H)	MUZ-GE60VA	MUZ-GE71VA
Power Supply	Source			Outdoor power supply						
	Outdoor (V/Phase/Hz)			230 / Single / 50						
	Indoor (V/Phase/Hz)			-						
Cooling	Capacity	Rated	kW	-	2.5	3.5	4.2	5.0	6.0	7.1
		Min - Max	kW	-	1.1 - 3.5	1.1 - 4.0	0.9 - 4.8	1.4 - 5.5	1.5 - 7.5	2.4 - 8.7
	Total Input	Rated	kW	-	0.545	0.865	1.215	1.515	1.760	2.130
	EER			-	4.59	4.05	3.46	3.30	3.40	3.33
		EEL Rank		-	A	A	A	A	A	A
	SPL	Indoor Unit [Silent-Lo-Mid-Hi-SHi*1]	dB(A)	19 - 21 - 29 - 36 - 42	19 - 21 - 29 - 36 - 42	19 - 22 - 30 - 36 - 43	26 - 30 - 35 - 40 - 46	28 - 33 - 38 - 44 - 49	29 - 37 - 41 - 45 - 49	30 - 37 - 41 - 45 - 49
		Outdoor Unit [Rated]	dB(A)	-	47	47	50	54	55	55
Air Volume	Indoor Unit [Silent-Lo-Mid-Hi-SHi*1]	m³/min	4.1 - 4.8 - 6.7 - 9.1 - 11.3	4.1 - 4.8 - 6.7 - 9.1 - 11.3	4.1 - 4.8 - 6.7 - 9.1 - 12.7	5.8 - 6.8 - 8.6 - 10.4 - 12.8	6.5 - 7.8 - 9.6 - 11.9 - 15.1	9.8 - 11.3 - 13.4 - 15.6 - 18.3	9.7 - 11.5 - 13.3 - 15.4 - 17.8	
	Outdoor Unit [Rated]	m³/min	-	32.6	36.3	36.3	49.0	40.9	50.1	
Heating	Capacity	Rated	kW	-	3.2	4.0	5.4	5.8	6.8	8.1
		Min - Max	kW	-	1.3 - 4.5	1.6 - 5.3	1.4 - 6.0	1.4 - 7.3	2.0 - 9.3	2.2 - 9.9
	Total Input	Rated	kW	-	0.700	0.955	1.460	1.565	1.770	2.110
	COP			-	4.57	4.19	3.70	3.71	3.84	3.83
		EEL Rank		-	A	A	A	A	A	A
	SPL	Indoor Unit [Silent-Lo-Mid-Hi-SHi*1]	dB(A)	19 - 21 - 29 - 36 - 42	19 - 21 - 29 - 36 - 42	19 - 22 - 30 - 36 - 42	26 - 30 - 35 - 40 - 46	28 - 33 - 37 - 43 - 48	29 - 37 - 41 - 45 - 49	30 - 37 - 41 - 45 - 49
		Outdoor Unit [Rated]	dB(A)	-	48	48	51	56	55	55
Air Volume	Indoor Unit [Silent-Lo-Mid-Hi-SHi*1]	m³/min	4.1 - 4.8 - 6.6 - 9.1 - 11.5	4.1 - 4.8 - 6.6 - 9.1 - 11.5	4.1 - 4.8 - 6.7 - 9.1 - 11.5	5.8 - 7.0 - 8.6 - 10.4 - 13.1	6.5 - 7.9 - 9.6 - 12.2 - 14.5	9.8 - 11.3 - 13.4 - 15.6 - 18.3	10.2 - 11.5 - 13.3 - 15.4 - 17.8	
	Outdoor Unit [Rated]	m³/min	-	34.7	34.8	34.8	49.0	49.2	55.0	
Operating Current (max)				-	7.4	8.6	10.0	13.0	14.5	16.6
Indoor Unit	Input	Rated	kW	0.023	0.023	0.029	0.03	0.043	0.062	0.058
	Operating Current (max)		A	0.4	0.4	0.4	0.4	0.5	0.5	0.5
	Dimensions	H x W x D	mm	295 - 798 - 232	295 - 798 - 232	295 - 798 - 232	295 - 798 - 232	295 - 798 - 232	325 - 1100 - 238	325 - 1100 - 238
	Weight		kg	10	10	10	10	10	16	16
	Breaker Size		A	-	-	-	-	-	-	-
Outdoor Unit	Dimensions	H x W x D	mm	-	550 - 800 - 285	550 - 800 - 285	550 - 800 - 285	850 - 840 - 330	880 - 840 - 330	880 - 840 - 330
	Weight		kg	-	30	33	36	54	50	53
	Operating Current (max)		A	-	7.0	8.2	9.6	12.5	14.0	16.1
	Breaker Size		A	-	10	10	10	16	20	20
				-	-	-	-	-	-	-
Ext. Piping	Diameter	Liquid / Gas	mm	6.35 / 9.52	6.35 / 9.52	6.35 / 9.52	6.35 / 9.52	6.35 / 12.7	6.35 / 15.88	9.52 / 15.88
	Max. Length	Out-In	m	-	20	20	20	30	30	30
	Max. Height	Out-In	m	-	12	12	12	15	15	15
Guaranteed Operating Range [Outdoor]				Cooling	°C	-	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46
				Heating	°C	-	-15(-20) ~ +24	-15(-20) ~ +24	-15 ~ +24	-15 ~ +24

\*1 SHi → Super High \*2 MSZ-GE22 is for MXZ connection only.

# MSZ-H<sub>SERIES</sub>

MSZ-HC25/35VA(B)

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



## Stylish Design with Flat Panel Front

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



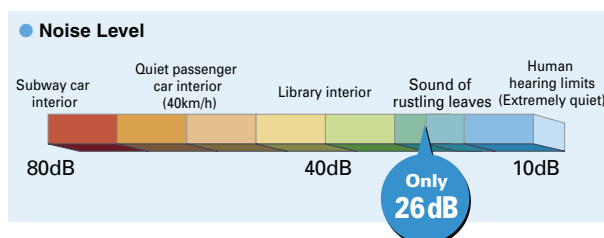
## Advanced Inverter Control – Efficient Operation All the Time



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

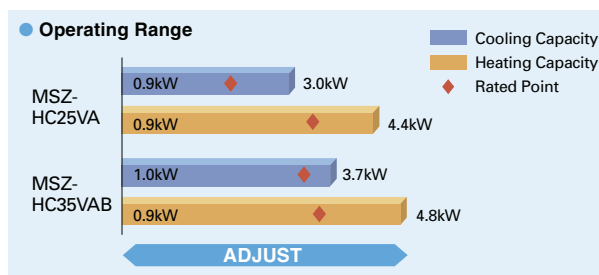
## Silent Operation

Quiet, relaxing space is within reach. Operational noise is a low 26dB. Operation is so silent you might even forget the air conditioner is on.



## Wide Operating Range

All units offer powerful start-up output to quickly eliminate the gap between temperature setting and actual room temperature. From cooling on the hottest summer day to heating on a cold winter night, once the desired temperature is reached, a stable and comfortable room temperature is maintained.



## Compact Units

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

Outdoor Unit: MUZ-HC25VA/35VA(B)

Indoor Unit: MSZ-HC25VA/35VA(B)



Only 788mm wide



Only 684mm wide

# MSZ-H SERIES



## Indoor Unit



MSZ-HC25/35VA(B)

## Outdoor Unit



MUZ-HC25/35VA(B)

## Remote Controller



Type				Inverter Heat Pump		
Indoor Unit				MSZ-HC25VA	MSZ-HC35VA	MSZ-HC35VAB
Outdoor Unit				MUZ-HC25VA	MUZ-HC35VA	MUZ-HC35VAB
Power Supply	Source			Outdoor power supply		
	Outdoor (V/Phase/Hz)			230 / Single / 50		
Cooling	Capacity	Rated	kW	2.5	3.15	3.4
		Min - Max	kW	0.9 - 3.0	1.0 - 3.7	1.0 - 3.7
	Total Input	Rated	kW	0.770	0.980	1.130
	EER			3.25	3.21	3.01
		EEL Rank		A	A	B
	SPL	Indoor Unit [Lo-Mid-Hi-SHi*]	dB(A)	26 - 32 - 38 - 43	26 - 32 - 38 - 43	26 - 32 - 38 - 43
		Outdoor Unit [Rated]	dB(A)	46	47	47
	Air Volume	Indoor Unit [Lo-Mid-Hi-SHi*]	m³/min	5.3 - 7.0 - 8.7 - 10.5	5.2 - 6.8 - 8.4 - 10.2	5.2 - 6.8 - 8.4 - 10.2
		Outdoor Unit [Rated]	m³/min	30.2	30.0	30.0
Heating	Capacity	Rated	kW	3.2	3.6	3.6
		Min - Max	kW	0.9 - 4.4	0.9 - 4.8	0.9 - 4.8
	Total Input	Rated	kW	0.880	0.995	0.995
	COP			3.64	3.62	3.62
		EEL Rank		A	A	A
	SPL	Indoor Unit [Lo-Mid-Hi-SHi*]	dB(A)	26 - 32 - 38 - 43	26 - 32 - 38 - 43	26 - 32 - 38 - 43
		Outdoor Unit [Rated]	dB(A)	47	48	48
	Air Volume	Indoor Unit [Lo-Mid-Hi-SHi*]	m³/min	5.1 - 6.5 - 7.8 - 9.1	4.9 - 6.7 - 8.0 - 9.2	4.9 - 6.7 - 8.0 - 9.2
		Outdoor Unit [Rated]	m³/min	29.8	29.6	29.6
Operating Current (max)				5.5	6.5	6.5
Indoor Unit	Input	Rated	kW	0.040	0.023	0.023
	Operating Current (max)		A	0.3	0.3	0.3
	Dimensions	H x W x D	mm	295 - 788 - 225	295 - 788 - 225	295 - 788 - 225
	Weight		kg	9	9	9
	Breaker Size		A	-	-	-
Outdoor Unit	Dimensions	H x W x D	mm	540 - 684 - 255	540 - 684 - 255	540 - 684 - 255
	Weight		kg	25	25	25
	Operating Current (max)		A	5.2	6.2	6.2
	Breaker Size		A	10	10	10
Ext. Piping	Diameter	Liquid / Gas	mm	6.35 / 9.52	6.35 / 9.52	6.35 / 9.52
	Max. Length	Out-In	m	10	10	10
	Max. Height	Out-In	m	5	5	5
Guaranteed Operating Range [Outdoor]						
Cooling			°C	+18 ~ +43	+18 ~ +43	+18 ~ +43
Heating			°C	-10 ~ +24	-10 ~ +24	-10 ~ +24

\* SHi → Super High

# MSZ-S SERIES

MSZ-SF15/20VA



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

## Compact and Stylish

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

### Comparison with GE



## High Energy Efficiency



EER A

COP A

Energy-savings Rank A achieved for both heating and cooling. Not only are the units compact, they demonstrate excellent energy-saving performance.

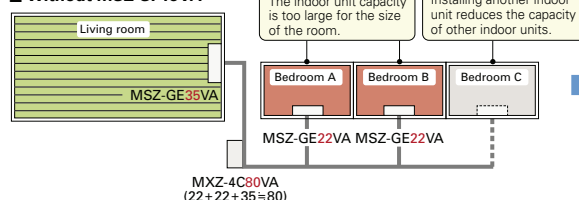
### Energy Ranking (Cooling/Heating)

Outdoor	MXZ-2B30VA	MXZ-2B40VA	MXZ-2B52VA	MXZ-3B54VA	MXZ-3B68VA	MXZ-4B71VA	MXZ-4B80VA	MXZ-5B100VA
Indoor								
MSZ-SF15VAx2	A/A	A/A	A/A	A/A	A/A	A/A	A/A	A/A
MSZ-SF20VAx2	A/A	A/A	A/A	A/A	A/A	A/A	A/A	A/A

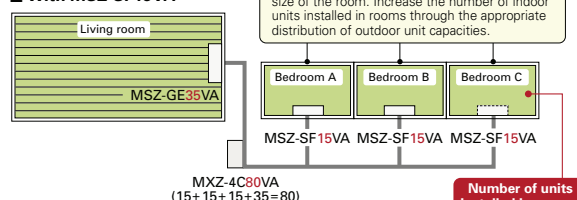
## Select the Optimal Capacity

The small-capacity range has been expanded to enable the selection of an indoor unit smaller than our previous indoor unit with the smallest output capacity (MSZ-GE22VA) when the rated capacity is too high. As a result of appropriate distribution of outdoor unit capacities, the number of indoor units installed can be increased.

### ■ Without MSZ-SF15VA

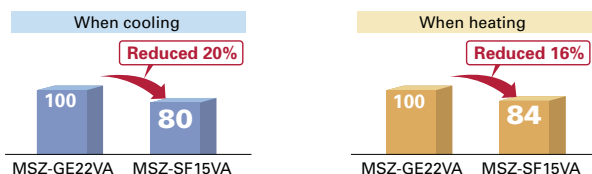


### ■ With MSZ-SF15VA



When the capacity of the indoor unit is too high in relation to the size of the room, overheating and overcooling occur. It is possible to reduce power consumption by using a smaller capacity indoor unit for such rooms.

### ■ Comparison of total power consumption 60 minutes after starting operation



### [Operating conditions]

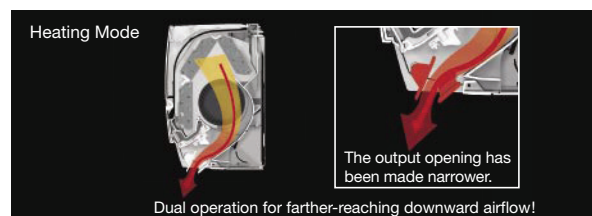
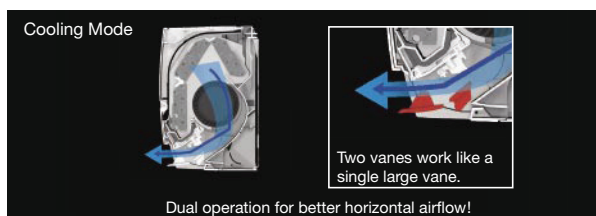
Power consumption comparison between one MSZ-GE22VA and one MSZ-SF15VA installed in different rooms (13m<sup>2</sup> in size) and connected to the same MXZ-2A52VA. The temperature conditions were as follows:

**When cooling:**  
outdoor temperature 35°C, temperature setting 25°C  
**When heating:**  
outdoor temperature 7°C, temperature setting 22°C

## Dual Air Guide Patent pending

Both the upper and lower vanes are equipped with a vane motor. According to operation, the angle of each vane can be adjusted individually for increased room comfort.

At the time of cooling, it works like a single large vane and outputs a horizontal airflow so that air is not blown at people directly. At the time of heating, the output opening is made narrower to increase the airflow speed, and the warm airflow is directed downward towards the feet.



\* Please check to ensure that the upper vane is closed when starting operation.



# MSZ-S SERIES



Indoor Unit



MSZ-SF15/20VA

Outdoor Unit

For MXZ Connection Only

Remote Controller



Type			Inverter Heat Pump		
Indoor Unit			MSZ-SF15VA		MSZ-SF20VA
Outdoor Unit			N/A*2		N/A*2
Power Supply	Source		Outdoor power supply		
	Outdoor (V/Phase/Hz)		230 / Single / 50		
Cooling	Capacity	Rated	kW	-	-
		Min - Max	kW	-	-
	Total Input	Rated	kW	-	-
	EER			-	-
		EEL Rank		-	-
	SPL	Indoor Unit [Silent-Lo-Mid-Hi-SHi*1]	dB(A)	21 - 26 - 30 - 35 - 40	21 - 26 - 30 - 35 - 42
		Outdoor Unit [Rated]	dB(A)	-	-
	Air Volume	Indoor Unit [Silent-Lo-Mid-Hi-SHi*1]	m³/min	3.5 - 3.9 - 4.6 - 5.5 - 6.4	3.5 - 3.9 - 4.6 - 5.5 - 6.9
		Outdoor Unit [Rated]	m³/min	-	-
Heating	Capacity	Rated	kW	-	-
		Min - Max	kW	-	-
	Total Input	Rated	kW	-	-
	COP			-	-
		EEL Rank		-	-
	SPL	Indoor Unit [Silent-Lo-Mid-Hi-SHi*1]	dB(A)	21 - 26 - 30 - 35 - 40	21 - 26 - 30 - 35 - 42
		Outdoor Unit [Rated]	dB(A)	-	-
	Air Volume	Indoor Unit [Silent-Lo-Mid-Hi-SHi*1]	m³/min	3.7 - 4.4 - 5.0 - 6.0 - 6.8	3.7 - 4.4 - 5.0 - 6.0 - 7.3
		Outdoor Unit [Rated]	m³/min	-	-
Operating Current (max)			-		
Indoor Unit	Input	Rated	kW	0.017	0.019
	Operating Current (max)		A	0.17	0.19
	Dimensions	H x W x D	mm	250 - 760 - 168	250 - 760 - 168
	Weight		kg	7.7	7.7
	Breaker Size		A	-	-
Outdoor Unit	Dimensions	H x W x D	mm	-	-
	Weight		kg	-	-
	Operating Current (max)		A	-	-
	Breaker Size		A	-	-
Ext. Piping	Diameter	Liquid / Gas	mm	6.35 / 9.52	6.35 / 9.52
	Max. Length	Out-In	m	-	-
	Max. Height	Out-In	m	-	-
Guaranteed Operating Range [Outdoor]		Cooling	°C	-	-
		Heating	°C	-	-

\*1 SHi → Super High \*2 MSZ-S is for MXZ connection only.

# MSH-G SERIES



20 - 35  
EER  
A

20 - 35  
COP  
A

## Indoor Unit



MSC-GE20/25/35VB



MSH-GE50VB  
MSH-GA60VB  
MSH-GD80VB

## Outdoor Unit



MUH-GA20/25/35VB  
MUH-GE50VB



MUH-GE60VB  
MUH-GD80VB

## Remote Controller



Type				Fixed - Speed					
Indoor Unit				MSC-GE20VB	MSC-GE25VB	MSC-GE35VB	MSH-GE50VB	MSH-GA60VB	MSH-GD80VB
Outdoor Unit				MUH-GA20VB	MUH-GA25VB	MUH-GA35VB	MUH-GE50VB	MUH-GA60VB	MUH-GD80VB
Power Supply	Source			Indoor / outdoor separate power supply					
	Outdoor (V/Phase/Hz)			230 / Single / 50					
	Indoor (V/Phase/Hz)			230 / Single / 50					
Cooling	Capacity	Rated	kW	2.3	2.65	3.5	5.0	6.3	8.0
		Min - Max	kW	—	—	—	—	—	—
	Total Input	Rated	kW	0.715	0.820	1.090	1.780	2.410	3.320
	EER			3.22	3.23	3.21	2.81	2.61	2.41
		EEL Rank		A	A	A	C	D	E
	SPL	Indoor Unit [Lo-Mid-Hi]	dB(A)	25 - 31 - 36	25 - 31 - 36	26 - 33 - 40	34 - 38 - 42	37 - 41 - 45	37 - 42 - 47
		Outdoor Unit [Rated]	dB(A)	47	49	49	52	53	55
	Air Volume	Indoor Unit [Lo-Mid-Hi]	m³/min	4.6 - 6.2 - 7.9	5.1 - 6.4 - 7.9	5.4 - 7.4 - 9.7	8.6 - 10.7 - 12.8	9.6 - 11.2 - 12.8	11.4 - 13.7 - 15.9
Outdoor Unit [Rated]		m³/min	30.0	31.7	31.7	31.7	46.0	49.0	
Heating	Capacity	Rated	kW	2.5	3.0	3.7	5.2	7.2	9.4
		Min - Max	kW	—	—	—	—	—	—
	Total Input	Rated	kW	0.690	0.820	1.020	1.610	2.480	3.580
	COP			3.62	3.66	3.63	3.23	2.90	2.63
		EEL Rank		A	A	A	C	D	E
	SPL	Indoor Unit [Lo-Mid-Hi]	dB(A)	25 - 31 - 36	25 - 32 - 39	26 - 33 - 39	34 - 38 - 42	34 - 40 - 45	37 - 42 - 47
		Outdoor Unit [Rated]	dB(A)	47	49	49	52	53	55
	Air Volume	Indoor Unit [Lo-Mid-Hi]	m³/min	5.7 - 7.0 - 8.5	5.7 - 7.6 - 9.8	6.6 - 8.3 - 10.1	8.6 - 10.7 - 12.8	8.6 - 10.7 - 12.8	12.1 - 13.9 - 15.9
Outdoor Unit [Rated]		m³/min	30.0	31.7	31.7	31.7	46.0	49.0	
Operating Current (max)				5.7	5.8	7.7	11.5	15.5	20.5
Indoor Unit	Input	Rated	kW	0.035	0.035	0.040	0.060	0.060	0.069
	Operating Current (max)		A	0.5	0.5	0.5	0.5	0.5	0.5
	Dimensions	H x W x D	mm	278 - 815 - 244	278 - 815 - 244	278 - 815 - 244	325 - 1100 - 258	325 - 1100 - 258	325 - 1100 - 258
	Weight		kg	9	9	10	16	16	16
	Breaker Size		A	10	10	10	10	10	10
Outdoor Unit	Dimensions	H x W x D	mm	550 - 800 - 285	550 - 800 - 285	550 - 800 - 285	550 - 800 - 285	850 - 840 - 330	850 - 840 - 330
	Weight		kg	29	34	39	40	74	77
	Operating Current (max)		A	5.2	5.3	7.2	11.0	15.0	20.0
	Breaker Size		A	10	10	10	15	25	25
Ext. Piping	Diameter	Liquid / Gas	mm	6.35 / 9.52	6.35 / 9.52	6.35 / 9.52	6.35 / 12.7	6.35 / 15.88	9.52 / 15.88
	Max. Length	Out-In	m	20	20	25	25	25	30
	Max. Height	Out-In	m	10	10	10	10	10	15
Guaranteed Operating Range [Outdoor]			Cooling	°C	+21 ~ +43	+21 ~ +43	+21 ~ +43	+21 ~ +43	+21 ~ +43
			Heating	°C	-10 ~ +24	-10 ~ +24	-10 ~ +24	-10 ~ +24	-10 ~ +24

# MS-G SERIES



20/25  
EER  
A

## Indoor Unit



MSC-GE20/25/35VB



MS-GE50VB  
MS-GA60VB  
MS-GD80VB

## Outdoor Unit



MU-GA20/25/35VB  
MU-GE50VB



MU-GA60VB  
MU-GD80VB

## Remote Controller



Type				Fixed - Speed						
Indoor Unit				MSC-GE20VB	MSC-GE25VB	MSC-GE35VB	MS-GE50VB	MS-GA60VB	MS-GD80VB	
Outdoor Unit				MU-GA20VB	MU-GA25VB	MU-GA35VB	MU-GE50VB	MU-GA60VB	MU-GD80VB	
Power Supply	Source			Indoor / outdoor separate power supply						
	Outdoor (V/Phase/Hz)			230 / Single / 50						
	Indoor (V/Phase/Hz)			230 / Single / 50						
Cooling	Capacity	Rated	kW	2.3	2.5	3.45	5.0	6.5	8.0	
		Min - Max	kW	—	—	—	—	—	—	
	Total Input	Rated	kW	0.715	0.775	1.120	1.810	2.480	3.320	
	EER			3.22	3.23	3.08	2.76	2.62	2.41	
		EEL Rank			A	A	B	D	D	E
	SPL	Indoor Unit [Lo-Mid-Hi]	dB(A)	25 - 31 - 36	25 - 31 - 36	26 - 33 - 40	34 - 38 - 42	37 - 41 - 45	37 - 42 - 47	
		Outdoor Unit [Rated]	dB(A)	45	45	49	52	53	55	
	Air Volume	Indoor Unit [Lo-Mid-Hi]	m³/min	4.6 - 6.2 - 7.9	5.1 - 6.4 - 7.9	5.4 - 7.4 - 9.7	8.6 - 11.2 - 12.8	9.6 - 11.2 - 12.8	11.4 - 13.7 - 15.9	
Outdoor Unit [Rated]		m³/min	30.0	30.0	31.7	31.7	38.7	49.0		
Heating	Capacity	Rated	kW	—	—	—	—	—	—	
		Min - Max	kW	—	—	—	—	—	—	
	Total Input	Rated	kW	—	—	—	—	—	—	
	COP			—	—	—	—	—	—	
		EEL Rank			—	—	—	—	—	
	SPL	Indoor Unit	dB(A)	—	—	—	—	—	—	
		Outdoor Unit	dB(A)	—	—	—	—	—	—	
	Air Volume	Indoor Unit	m³/min	—	—	—	—	—	—	
Outdoor Unit		m³/min	—	—	—	—	—	—		
Operating Current (max)				5.7	5.6	8.3	12.0	16.0	20.5	
Indoor Unit	Input	Rated	kW	0.035	0.035	0.040	0.060	0.060	0.069	
	Operating Current (max)			A	0.5	0.5	0.5	0.5	0.5	
	Dimensions	H x W x D	mm	278 - 815 - 244	278 - 815 - 244	278 - 815 - 244	325 - 1100 - 258	325 - 1100 - 258	325 - 1100 - 258	
	Weight		kg	9	9	10	16	16	16	
	Breaker Size		A	10	10	10	10	10	10	
Outdoor Unit	Dimensions	H x W x D	mm	550 - 800 - 285	550 - 800 - 285	550 - 800 - 285	550 - 800 - 285	605 - 850 - 290	850 - 840 - 330	
	Weight		kg	27	27	34	38	60	75	
	Operating Current (max)			A	5.2	5.1	7.8	11.5	15.5	20.0
	Breaker Size		A	10	10	10	15	25	25	
	Ext. Piping	Diameter	Liquid / Gas	mm	6.35 / 9.52	6.35 / 9.52	6.35 / 9.52	6.35 / 12.7	6.35 / 15.88	9.52 / 15.88
Max. Length		Out-In	m	20	20	25	25	25	30	
Max. Height		Out-In	m	10	10	10	10	10	15	
Guaranteed Operating Range [Outdoor]			Cooling	°C	+21 ~ +43	+21 ~ +43	+21 ~ +43	+21 ~ +43	+21 ~ +43	

# MFZ SERIES

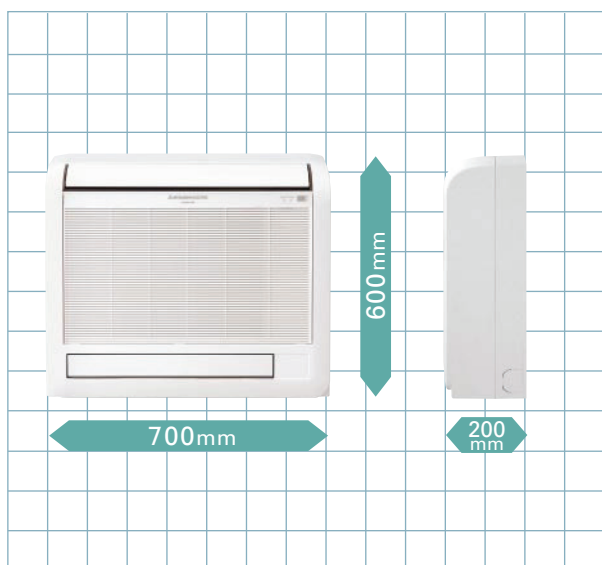
A unique innovation in air conditioning that fits perfectly into any room in the home. A sophisticated ergonomic design combined with powerful yet comfortable performance and silent operation.

MFZ-KA25/35/50VA



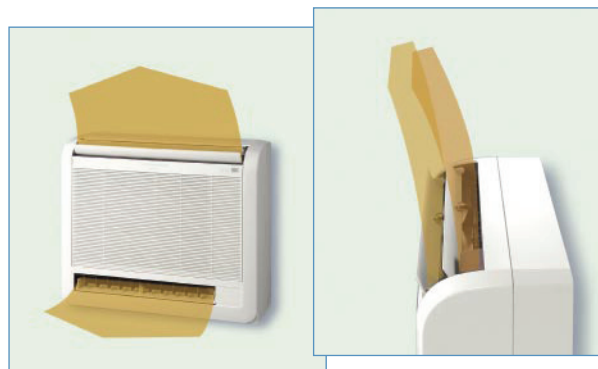
## Slim and Trim Body

The body of the MFZ is slim and trim, making it ideal for use in virtually any room. The front panel is removable and made of washable material, making maintenance and cleaning easier than ever. Periodic maintenance helps to keep the unit clean and beautiful, as well as ensure maximum energy savings.

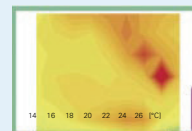


## Optimum Air Distribution

A powerful blower provides optimum distribution of air from the upper and lower air outlets. The result is a comfortable environment with an even temperature throughout the room. There are five settings for the upper vane and four speed settings for the fan, all of which can be set using the remote controller.



The air from the upper and lower outlets is carefully controlled and distributed evenly to all corners of the room. In heating mode, more warm air is directed towards the floor level for greater overall comfort.



## Advanced Inverter Control – Efficient Operation All the Time



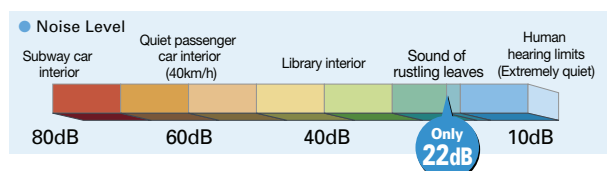
Mitsubishi Electric's cutting-edge inverter technologies are adopted to provide automatic adjustment of operation load according to need. This reduces excessive consumption of electricity, and thereby realises increased energy savings.

## Quiet Operation

Mitsubishi Electric air conditioners are renowned as some of the quietest models available. The floor-standing units are no exception. Quiet 22dB operation\* creates a silent, comfortable space where people don't even notice that the air conditioner is running.

\*2.5kW class

Only 22dB\*



## Trouble-Free Installation and Maintenance

Using the original installation plate that comes as standard equipment, installation of the unit is a snap. Levelling adjusters are provided, preventing damage to the wall. Generous pipe length (20–30 metres) is provided, so there is no need to worry about distance to the outdoor unit. All units are equipped with an automatic self-diagnostics function as well. Simply access the trouble log recall mode for instant troubleshooting.

### Installation Plate



# MFZ-KA SERIES



## Indoor Unit



MFZ-KA25/35/50VA

## Outdoor Unit



SUZ-KA25/35VA2  
SUZ-KA25/35VAH



SUZ-KA50VA2

## Remote Controller



Type				Inverter Heat Pump				
Indoor Unit				MFZ-KA25VA	MFZ-KA25VA	MFZ-KA35VA	MFZ-KA35VA	MFZ-KA50VA
Outdoor Unit				SUZ-KA25VA2	SUZ-KA25VAH	SUZ-KA35VA2	SUZ-KA35VAH	SUZ-KA50VA2
Power Supply	Source			Outdoor power supply				
Outdoor (V/Phase/Hz)				230 / Single / 50				
Cooling	Capacity	Rated	kW	2.5	2.5	3.5	3.5	4.8
		Min - Max	kW	0.9 - 3.4	0.9 - 3.4	0.9 - 3.9	0.9 - 3.9	0.9 - 5.4
	Total Input	Rated	kW	0.58	0.58	1.09	1.09	1.55
	EER			4.31	4.31	3.21	3.21	3.10
		EEL Rank		A	A	A	A	B
	SPL	Indoor Unit [Lo-Mid-Hi-SHi*]	dB(A)	22 - 27 - 32 - 37	22 - 27 - 32 - 37	23 - 28 - 33 - 38	23 - 28 - 33 - 38	32 - 35 - 39 - 43
		Outdoor Unit [Rated]	dB(A)	46	46	47	47	53
	Air Volume	Indoor Unit [Lo-Mid-Hi-SHi*]	m³/min	4.8 - 5.8 - 7.1 - 8.9	4.8 - 5.8 - 7.1 - 8.9	5.0 - 6.1 - 7.4 - 9.1	5.0 - 6.1 - 7.4 - 9.1	7.1 - 7.9 - 9.2 - 11.2
		Outdoor Unit [Rated]	m³/min	34.3	34.3	35.2	35.2	49.0
Heating	Capacity	Rated	kW	3.4	3.4	4.0	4.0	6.0
		Min - Max	kW	0.9 - 5.1	0.9 - 5.1	0.9 - 6.2	0.9 - 6.2	0.9 - 7.9
	Total Input	Rated	kW	0.835	0.835	1.100	1.100	1.860
	COP			4.07	4.07	3.64	3.64	3.23
		EEL Rank		A	A	A	A	C
	SPL	Indoor Unit [Lo-Mid-Hi-SHi*]	dB(A)	22 - 27 - 32 - 37	22 - 27 - 32 - 37	25 - 28 - 33 - 38	25 - 28 - 33 - 38	32 - 35 - 39 - 44
		Outdoor Unit [Rated]	dB(A)	46	46	48	48	55
	Air Volume	Indoor Unit [Lo-Mid-Hi-SHi*]	m³/min	5.0 - 6.2 - 7.6 - 9.4	5.0 - 6.2 - 7.6 - 9.4	5.2 - 6.2 - 7.8 - 9.5	5.2 - 6.2 - 7.8 - 9.5	7.4 - 8.8 - 9.8 - 12.3
		Outdoor Unit [Rated]	m³/min	33.8	33.8	33.2	33.2	49.0
Operating Current (max)				8.8	8.8	9.7	9.7	17.0
Indoor Unit	Input	Rated	kW	0.025	0.025	0.025	0.025	0.025
	Operating Current (max)		A	0.2	0.2	0.2	0.2	0.2
	Dimensions		H x W x D	mm	600 - 700 - 200	600 - 700 - 200	600 - 700 - 200	600 - 700 - 200
	Weight		kg	14	14	14	14	14
	Breaker Size		A	-	-	-	-	-
Outdoor Unit	Dimensions		H x W x D	mm	550 - 800 - 285	550 - 800 - 285	550 - 800 - 285	850 - 840 - 330
	Weight		kg	30	30	33	33	53
	Operating Current (max)		A	8.2	8.2	9.2	9.2	16
	Breaker Size		A	10	10	10	10	20
	Ext. Piping							
Ext. Piping	Diameter	Liquid / Gas	mm	6.35 / 9.52	6.35 / 9.52	6.35 / 9.52	6.35 / 9.52	6.35 / 12.7
	Max. Length	Out-In	m	20	20	20	20	30
	Max. Height	Out-In	m	12	12	12	12	15
Guaranteed Operating Range [Outdoor]			Cooling	°C	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +43
			Heating	°C	-10 ~ +24	-20 ~ +24	-10 ~ +24	-10 ~ +24

\* SHi → Super High



# MLZ SERIES

MLZ-KA25/35/50VA

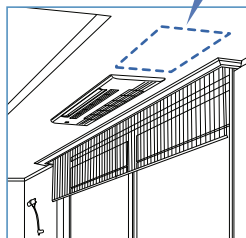
Introducing a new type of ceiling cassette for the Multi-Split Series with streamlined interior dimensions and a sharp, sleek appearance.



## Ceiling Mounted

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

Access door not required



## Slim Body

The new units are designed with a slim body (only 175mm high), ensuring easy installation even when low ceiling cavities limit installation space. The need for ceiling cavity service space is also eliminated, further reducing the dimensions required for installation.



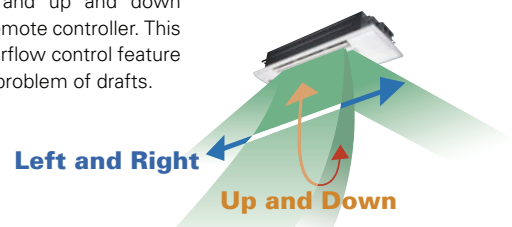
## Set Airflow According to Ceiling Height

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

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

## Auto Vane Control

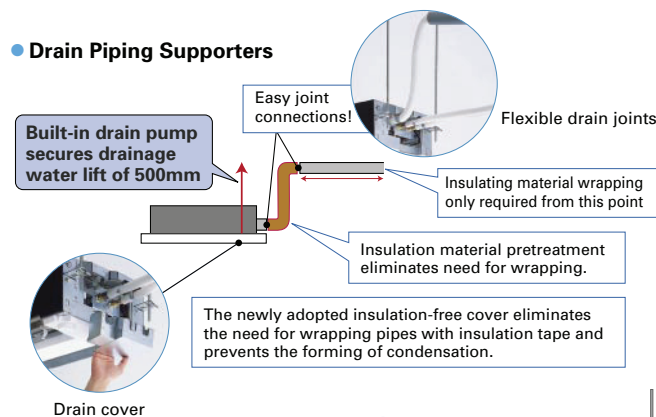
Outlet vanes can be moved left and right, and up and down using the remote controller. This improved airflow control feature solves the problem of drafts.



## Easy Installation

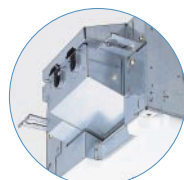
A built-in drain pump (500mm lift) and flexible drain joints make attaching the drain hose in the ceiling cavity easy, resulting in simple and fast installation. Tight yet flexible fittings eliminate the need of wrapping with heat-insulation tape, and ensure that pipe and drain cover connections are free of condensation.

### • Drain Piping Supporters

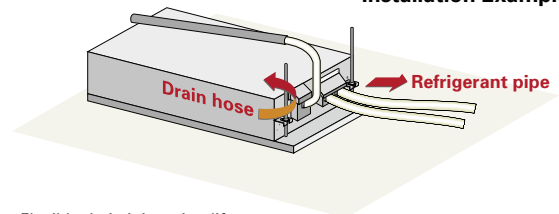


### • Easy Mounting Plate

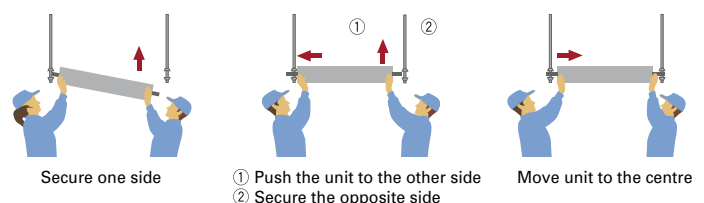
Suspension work simplified with well-designed mounting plates



### Installation Example



Flexible drain joints simplify drain piping work in narrow ceiling areas



# MLZ-KA SERIES



## Indoor Unit



MLZ-KA25/35/50VA

## Panel

MLP-440W

## Outdoor Unit

For MXZ Connection Only

## Remote Controller



Type				Inverter Heat Pump		
Indoor Unit				MLZ-KA25VA	MLZ-KA35VA	MLZ-KA50VA
Outdoor Unit				N / A*	N / A*	N / A*
Power Supply	Source			Outdoor power supply		
	Outdoor (V/Phase/Hz)			230 / Single / 50		
Cooling	Capacity	Rated	kW	-	-	-
		Min - Max	kW	-	-	-
	Total Input	Rated	kW	-	-	-
	EER			-	-	-
		EEL Rank		-	-	-
	SPL	Indoor Unit [Lo-Mid-Hi]	dB(A)	29 - 32 - 35	31 - 34 - 37	34 - 38 - 43
		Outdoor Unit [Rated]	dB(A)	-	-	-
	Air Volume	Indoor Unit [Lo-Mid-Hi]	m³/min	7.2 - 8.0 - 8.8	7.3 - 8.4 - 9.4	8.3 - 9.8 - 11.4
		Outdoor Unit [Rated]	m³/min	-	-	-
	Heating	Capacity	Rated	kW	-	-
Min - Max			kW	-	-	-
Total Input		Rated	kW	-	-	-
COP				-	-	-
		EEL Rank		-	-	-
SPL		Indoor Unit [Lo-Mid-Hi]	dB(A)	28 - 32 - 36	31 - 35 - 38	34 - 39 - 43
		Outdoor Unit [Rated]	dB(A)	-	-	-
Air Volume		Indoor Unit [Lo-Mid-Hi]	m³/min	7.0 - 8.2 - 9.2	7.7 - 8.8 - 9.9	8.8 - 10.3 - 11.8
		Outdoor Unit [Rated]	m³/min	-	-	-
Operating Current (max)				-	-	-
Indoor Unit	Input	Rated	kW	0.040	0.040	0.040
	Operating Current (max)		A	0.4	0.4	0.4
	Dimensions	H x W x D	mm	175 - 1102 - 360	175 - 1102 - 360	175 - 1102 - 360
	Weight		kg	15	15	15
	Breaker Size		A	-	-	-
Panel	Dimensions	H x W x D	mm	34 - 1200 - 414	34 - 1200 - 414	34 - 1200 - 414
	Weight		kg	3.5	3.5	3.5
Outdoor Unit	Dimensions	H x W x D	mm	-	-	-
	Weight		kg	-	-	-
	Operating Current (max)		A	-	-	-
	Breaker Size		A	-	-	-
Ext. Piping	Diameter	Liquid / Gas	mm	6.35 / 9.52	6.35 / 9.52	6.35 / 12.7
	Max. Length	Out-In	m	-	-	-
	Max. Height	Out-In	m	-	-	-
Guaranteed Operating Range [Outdoor]			Cooling	-	-	-
			Heating	-	-	-

\* MLZ is for MXZ connection only.



# S




**SERIES**



# SELECTION

Series line-up consists of two types of indoor units.  
Choose the model that best matches room conditions.

STEP 1 SELECT INDOOR UNIT	
Select the optimal unit and capacity required to match room construction and air conditioning requirements.	
<div>  </div> <div> <p><b>Units without Remote Controller</b></p> <p>SLZ-KA25VAQ SLZ-KA35VAQ SLZ-KA50VAQ</p> <p>*Requires SLP-2AAW grille. *Requires PAR-30MAA or PAR-21MAA remote controller.</p> </div> <div> <p><b>Units with Wireless Remote Controller</b></p> <p>SLZ-KA25VAL SLZ-KA35VAL SLZ-KA50VAL</p> <p>*Requires SLP-2ALW grille.</p> </div>	<div>  </div> <div> <p><b>Units without Remote Controller</b></p> <p>SEZ-KD25VAQ SEZ-KD35VAQ SEZ-KD50VAQ SEZ-KD60VAQ SEZ-KD71VAQ</p> <p>*Requires PAR-30MAA or PAR-21MAA remote controller.</p> </div> <div> <p><b>Units with Wireless Remote Controller</b></p> <p>SEZ-KD25VAL SEZ-KD35VAL SEZ-KD50VAL SEZ-KD60VAL SEZ-KD71VAL</p> </div>

STEP 2 SELECT OUTDOOR UNIT	
There is one outdoor unit for respective indoor units.	
<div>  </div> <div> <p>SUZ-KA25/35VA2</p> </div>	<div>  </div> <div> <p>SUZ-KA50/60VA2</p> </div>
	<div>  </div> <div> <p>SUZ-KA71VA2</p> </div>

\* To confirm compatibility with the MXZ Series multi-type system, refer to the MXZ Series page.

# SLZ SERIES

SLZ-KA25-50VAQ/VAL

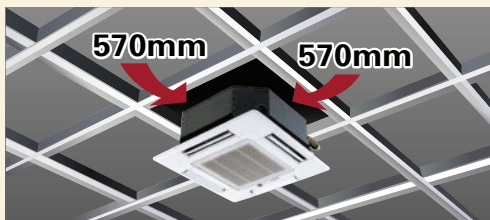
Compact, lightweight ceiling cassette units with 4-way air outlets provide maximum comfort by evenly distributing airflow throughout the entire room.



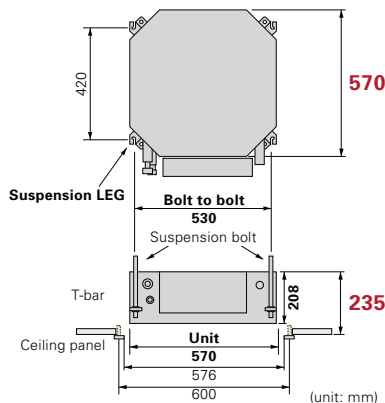
## Compact Panel Size

The attractive SLZ Series ceiling cassette units offer a slim 570mm width and a 4-way air outlet. The size and shape are a perfect match for ceilings made using 2'x2' construction, and the light 16.5kg package makes installation easy.

The compact body matches 2'x2' (600mm x 600mm) ceiling construction specifications.



● SLZ-KA35VAO



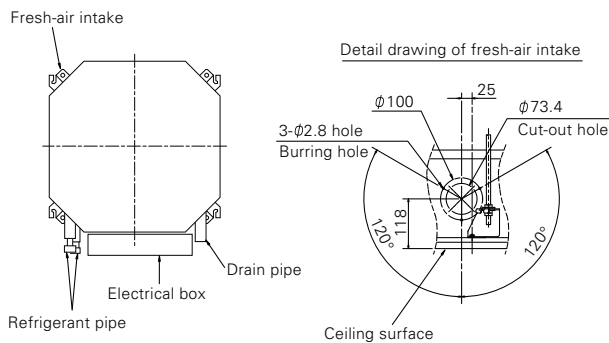
Reduced  
**270mm**  
compared to  
PLA-RP35BA

Reduced  
**23mm**  
core diameter

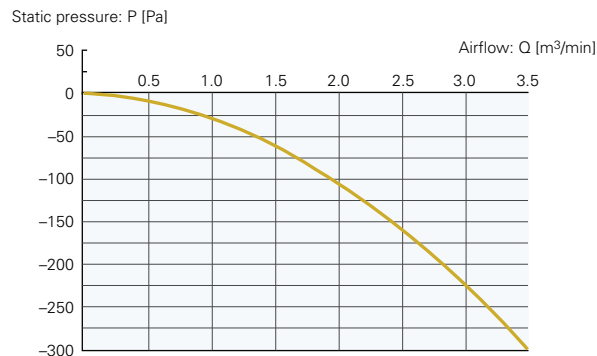
\* Access door is required

## Fresh-air Intake

A duct hole is provided in the main body, making it possible to intake fresh air from outside.



- Intake-air volume



Note: Intake-air volume should be 20% or less of overall air volume in order to prevent condensation.

## Simultaneous Multi-system

Multiple indoor units can be installed to match the room layout, ensuring comfort and coverage of the entire room. Connection of multiple cassettes to P Series outdoor units shown below are possible.

Power Inverter Combination	SLZ-KA35VAQ/VAL	SLZ-KA50VAQ/VAL
PUHZ-RP71VHA4	Twin	–
Distribution Pipe	MSDD-50TR-E	
PUHZ-RP100V(Y)KA	–	Twin
Distribution Pipe		MSDD-50TR-E
PUHZ-RP140V(Y)KA	–	Triple
Distribution Pipe		MSDT-111R-E
PUHZ-RP200YKA	–	Quadruple
Distribution Pipe		MSDF-111R-E

Standard Inverter Combination (Service Reference No.)	SLZ-KA50VAQ/VAL
PUHZ-P100YHA/VHA3(R2)*	Twin
Distribution Pipe	MSDD-50TR-E
PUHZ-P140YHA/VHA3(R2)*	Triple
Distribution Pipe	MSDT-111R-E

\* For PUHZ-P100/140VHA3, the service reference number must be R2 or above.



# SLZ-KA SERIES



## Indoor Unit



SLZ-KA25/35/50VAQ (Requires Wired Remote Controller)  
SLZ-KA25/35/50VAL (Wireless Remote Controller is enclosed)

## Panel

SLP-2AAW (for SLZ-KA VAQ)  
SLP-2ALW (for SLZ-KA VAL)

## Outdoor Unit



SUZ-KA25/35VA2



SUZ-KA50VA2

## Remote Controller



SLZ-KA25/35/50VAL



\*optional



\*optional



Type				Inverter Heat Pump												
Indoor Unit				SLZ-KA25VAQ		SLZ-KA25VAL		SLZ-KA35VAQ		SLZ-KA35VAL		SLZ-KA50VAQ		SLZ-KA50VAL		
Outdoor Unit				SUZ-KA25VA2				SUZ-KA35VA2				SUZ-KA50VA2				
Power Supply	Source			Outdoor power supply												
	Outdoor (V/Phase/Hz)			230 / Single / 50												
Cooling	Capacity	Rated	kW	2.5		2.5		3.5		3.5		4.6		4.6		
		Min - Max	kW	0.9 - 3.2		0.9 - 3.2		1.0 - 3.9		1.0 - 3.9		1.1 - 5.2		1.1 - 5.2		
	Total Input	Rated	kW	0.680		0.680		1.040		1.040		1.530		1.530		
		EER			3.68		3.68		3.37		3.37		3.01		3.01	
Heating	Capacity	Rated	kW	3.2		3.2		4.0		4.0		5.0		5.0		
				Min - Max	kW	0.9 - 4.5		0.9 - 4.5		0.9 - 5.0		0.9 - 5.0		0.9 - 6.5		0.9 - 6.5
	Total Input	Rated	kW	0.850		0.850		1.090		1.090		1.550		1.550		
		COP			3.76		3.76		3.67		3.67		3.22		3.22	
		EEL Rank			A		A		A		A		C		C	
					A		A		A		A		C		C	
Operating Current (max)				8.5		8.5		9.6		9.6		16.7		16.7		
Indoor Unit	Input	Rated	kW	0.075		0.075		0.085		0.085		0.085		0.085		
	Operating Current (max)		A	0.4		0.4		0.4		0.4		0.7		0.7		
	Dimensions	H x W x D	mm	235 - 570 - 570		235 - 570 - 570		235 - 570 - 570		235 - 570 - 570		235 - 570 - 570		235 - 570 - 570		
	Weight		kg	17		17		17		17		17		17		
	Air Volume [Lo-Mid-Hi]		m³/min	8 - 9 - 10		8 - 9 - 10		8 - 9 - 11		8 - 9 - 11		8 - 9 - 11		8 - 9 - 11		
	External Static Pressure		Pa	-		-		-		-		-		-		
	Sound Level [Lo-Mid-Hi]		dB(A)	28 - 31 - 37		28 - 31 - 37		29 - 33 - 38		29 - 33 - 38		30 - 34 - 39		30 - 34 - 39		
Panel	Dimensions	H x W x D	mm	20 - 650 - 650		20 - 650 - 650		20 - 650 - 650		20 - 650 - 650		20 - 650 - 650		20 - 650 - 650		
	Weight		kg	3		3		3		3		3		3		
Outdoor Unit	Dimensions	H x W x D	mm	550 - 800 - 285		550 - 800 - 285		550 - 800 - 285		550 - 800 - 285		850 - 840 - 330		850 - 840 - 330		
	Weight		kg	30		30		33		33		53		53		
	Air Volume	Cooling	Rated	m³/min	34.3		34.3		33.4		33.4		49.0		49.0	
		Heating	Rated	m³/min	32.3		32.3		33.4		33.4		49.0		49.0	
	Sound Level	Cooling - Silent	Rated	dB(A)	46		46		47		47		53		53	
		Heating	Rated	dB(A)	46		46		48		48		55		55	
	Operating Current (max)			A	8.16		8.16		9.18		9.18		16.0		16.0	
	Breaker Size			A	10		10		10		10		20		20	
	Ext. Piping	Diameter	Liquid / Gas	mm	6.35 / 9.52		6.35 / 9.52		6.35 / 9.52		6.35 / 9.52		6.35 / 12.7		6.35 / 12.7	
Piping	Max. Length	Out-In	m	20		20		20		20		30		30		
	Max. Height	Out-In	m	12		12		12		12		30		30		
Guaranteed Operating Range [Outdoor]				Cooling	°C	-10 ~ +46		-10 ~ +46		-10 ~ +46		-15 ~ +43		-15 ~ +43		
				Heating	°C	-10 ~ +24		-10 ~ +24		-10 ~ +24		-10 ~ +24		-10 ~ +24		-10 ~ +24

# SEZ SERIES

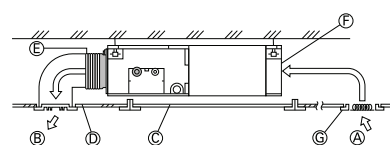
SEZ-KD25-71VAQ/VAL

This concealed ceiling-mounted indoor unit series is compact, and fits easily into rooms with lowered ceilings. Highly reliable energy-saving performance makes it a best match choice for concealed unit installations.



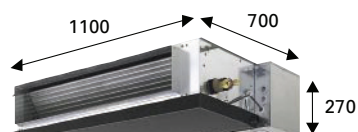
## Compact Ceiling-concealed Units

Only the intake-air grille and outlet vents are visible when using this ceiling-concealed indoor unit. The rest of the unit is conveniently hidden in the ceiling cavity, essentially leaving the ceiling and walls free of bulky looking devices and maintaining a high-class interior décor. The compact units require minimal space and can be installed in buildings with lowered ceilings, where exposed units were the rule in the past.



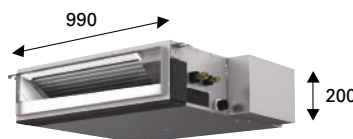
- Ⓐ Air inlet
- Ⓑ Air outlet
- Ⓒ Access door
- Ⓓ Ceiling surface
- Ⓔ Canvas duct
- Ⓕ Air filter
- Ⓖ Inlet grille

### Dimension Comparison



SEZ-KA35VA

Width reduced by  
**110mm**



SEZ-KD35VAQ

Height  
reduced by  
**70mm**

### "Energy Rank A" Rating



Incorporating the latest inverter technologies has resulted in the SEZ Series achieving an "Energy Rank A" rating for both the 25 and 35 models.

### Increased Selection of Fan Speeds and Static Pressure Levels

DC fan motor settings have been increased to accommodate more application needs. Three fan speed settings (Low, Medium and High) and four static pressure levels (5, 15, 35 and 50Pa) are now available.

	External Static Pressure
SEZ-KC25VA	5 Pa
SEZ-KA35-71VA	30/50 Pa



SEZ-KD25-71VA	5/15/35/50 Pa
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**Four Levels Available for All Models**

We've lowered the minimum static pressure level, resulting in less room noise when the optimum static pressure is selected.

External Static Pressure	SPL (Low Fan Mode)	
	SEZ-KA	SEZ-KD
30 Pa	30dB	15 Pa
35	30dB	23dB
50	31dB	30dB
60	32dB	30dB
71	32dB	30dB

**Maximum noise  
reduced by 7dB**

### Drain Pump (Optional)

The PAC-KE07DM-E drain pump is now available as an option. With the pump, a drain hose length of up to 550mm can be used, adding to increased installation possibilities.

# SEZ-KD SERIES



## Indoor Unit



SEZ-KD25/35/50/60/71VAQ (Requires Wired Remote Controller)  
SEZ-KD25/35/50/60/71VAL (Wireless Remote Controller is enclosed)

## Outdoor Unit



SUZ-KA25/35VA2



SUZ-KA50/60VA2



SUZ-KA71VA2

## Remote Controller



Enclosed in  
SEZ-KD25/35/50/60/71VAL



\*optional



\*optional



Type				Inverter Heat Pump					
Indoor Unit				SEZ-KD25VAQ / VAL	SEZ-KD35VAQ / VAL	SEZ-KD50VAQ / VAL	SEZ-KD60VAQ / VAL	SEZ-KD71VAQ / VAL	
Outdoor Unit				SUZ-KA25VA2	SUZ-KA35VA2	SUZ-KA50VA2	SUZ-KA60VA2	SUZ-KA71VA2	
Power Supply	Source			Outdoor power supply					
	Outdoor (V/Phase/Hz)			230 / Single / 50					
Cooling	Capacity	Rated	kW	2.5	3.7	5.1	5.6	7.1	
		Min - Max	kW	0.9 - 3.2	1.0 - 3.9	1.1 - 5.6	1.1 - 6.3	0.9 - 8.3	
	Total Input	Rated	kW	0.750	1.090	1.640	1.860	2.360	
	EER			3.33	3.39	3.11	3.01	3.01	
		EEL Rank		A	A	B	B	B	
Heating	Capacity	Rated	kW	3.0	4.2	6.4	7.4	8.1	
		Min - Max	kW	0.9 - 4.5	0.9 - 5.0	1.1 - 7.2	0.9 - 8.0	0.9 - 10.4	
	Total Input	Rated	kW	0.830	1.130	1.810	2.110	2.180	
	COP			3.61	3.72	3.54	3.51	3.72	
		EEL Rank		A	A	B	B	A	
Operating Current (max)				8.6	9.7	16.7	16.7	17.0	
Indoor Unit	Input	Rated	kW	0.040	0.050	0.070	0.070	0.100	
	Operating Current (max)		A	0.4	0.5	0.7	0.7	0.9	
	Dimensions	H x W x D	mm	200 - 790 - 700	200 - 990 - 700	200 - 990 - 700	200 - 1190 - 700	200 - 1190 - 700	
	Weight		kg	18	21	23	27	27	
	Air Volume [Lo-Mid-Hi]		m³/min	6 - 7 - 9	7 - 9 - 11	10 - 13 - 15	12 - 15 - 18	12 - 16 - 20	
	External Static Pressure		Pa	5 - 15 - 35 - 50	5 - 15 - 35 - 50	5 - 15 - 35 - 50	5 - 15 - 35 - 50	5 - 15 - 35 - 50	
	Sound Level [Lo-Mid-Hi]		dB(A)	22 - 25 - 29	23 - 28 - 33	29 - 33 - 36	29 - 33 - 37	29 - 34 - 39	
Outdoor Unit	Dimensions	H x W x D	mm	550 - 800 - 285	550 - 800 - 285	850 - 840 - 330	850 - 840 - 330	880 - 840 - 330	
	Weight		kg	30	33	53	53	53	
	Air Volume	Cooling	Rated	m³/min	34.3	33.4	49.0	49.0	50.1
		Heating		m³/min	32.3	33.4	49.0	49.0	48.2
	Sound Level	Cooling	Rated	dB(A)	46	47	53	53	55
		Heating	Rated	dB(A)	46	48	55	55	55
	Operating Current (max)		A	8.2	9.2	16.0	16.0	16.1	
	Breaker Size		A	10	10	20	20	20	
Ext. Piping	Diameter	Liquid / Gas	mm	6.35 / 9.52	6.35 / 9.52	6.35 / 12.7	6.35 / 15.88	9.52 / 15.88	
	Max. Length	Out-In	m	20	20	30	30	30	
	Max. Height	Out-In	m	12	12	30	30	30	
Guaranteed Operating Range [Outdoor]			Cooling	°C	-10 ~ +46	-10 ~ +46	-15 ~ +43	-15 ~ +43	
			Heating	°C	-10 ~ +24	-10 ~ +24	-10 ~ +24	-10 ~ +24	