



SPLIT-TYPE AIR CONDITIONERS

Changes for the Better

Mitsubishi
Electric
MEQ quality

Wrap Yourself in Comfort and Quiet
Eco-conscious Technologies from Japan

Full Product Line Catalogue 2016

for a greener tomorrow



























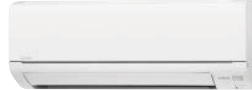

























M



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> <div> Super energy-saving   25/35 25/35  Cooling Heating </div>		<div>MSZ-E SERIES</div> <div></div> <div></div> <div> 25/35   25/35 Cooling Heating </div>		<div>MSZ-S SERIES</div> <div></div> <div></div> <div>   Cooling Heating </div>	
<div>MSZ-G SERIES</div> <div></div> <div>   Cooling Heating </div>		<div>MSZ-D SERIES</div> <div></div> <div>   Cooling Heating </div>		<div>MSZ-H SERIES</div> <div></div> <div> 50/60/71   Cooling Heating </div> <div>MSZ-HJ60/71</div> <div>MSZ-HJ25/35/50</div>	
Floor-standing			Cassette Units		
<div>MFZ SERIES</div> <div></div> <div></div> <div> 25 Cooling Heating   </div>			<div>MLZ SERIES</div> <div></div> <div> Cooling Heating </div> <div>* MXZ connection only</div>		
<div> Inverter  Super energy-saving   Energy Rank  Ultra-quiet operation  Cooling and heating operation</div> <div> Compatible for connection to MXZ Series system * To confirm compatibility with the MXZ Series multi-type system, refer to the MXZ Series page.</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 <div>   </div> <div> MUZ-FH25/35VEHZ MUZ-EF25/35VEH MUZ-SF25/35/42VEH MUZ-KJ25/35VEHZ </div> <div> MUZ-FH50VEHZ MUZ-SF50VEH MUZ-KJ50VEHZ </div>	
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

MSZ-FH25/35/50VE

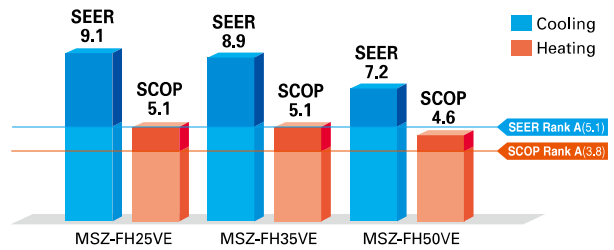


The F Series is designed for optimum cooling/heating performance as well as operational comfort. Quiet, energy-saving operation is supported by some of Mitsubishi Electric's latest technologies. Advanced functions such as "3D i-see Sensor" temperature control and the Plasma Quad air purification system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

High Energy Efficiency



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

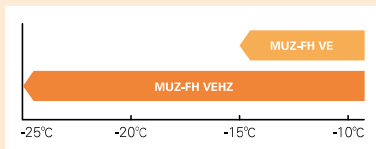


Hyper Heating

The Hyper Heating feature is incorporated, realizing powerful heating even in the harsh cold. Even users in cold regions can comfortably rely on the MSZ-FH Series for all their heating needs.

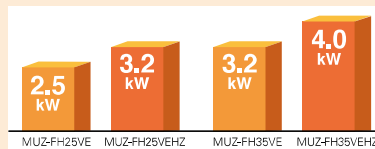
Operation Guaranteed at Outside Temperature of -25°C

MUZ-FH VEHZ can be operated at outside temperatures as low as -25°C, so there are no concerns about use even in very cold climates.



Rated Capacity Demonstrated at Outside Temperatures of -15°C

With rated capacity ensured at outside temperature as low as -15°C, the FH Series can be relied upon to properly warm living spaces even in severe cold snaps.



Freeze-prevention Heater Equipped as Standard (VEHZ)

The Freeze-prevention heater prevents lowered capacity due to the drain freezing and also inhibits operation shutdowns.



Without Freeze-prevention heater



With Freeze-prevention heater

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.

Plasma Quad

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

Bacteria

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

Plasma Quad off



Plasma Quad on

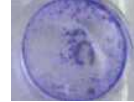


(Test No.) KRCS-Bio, Test Report No.23_0371

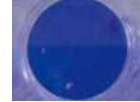
Viruses

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

Without Plasma Quad



With Plasma Quad



* Hepatic cells turn transparent when affected by a virus.

(Test No.) vrc.center, SMC No.23-002

Effective deodorizing
using the filters

Allergens

In a test, air containing cat fur and pollen was passed through the air cleaning device at the low airflow setting. Before and after measurements confirm that Plasma Quad neutralizes 94% of cat fur and 98% of pollen.

(Test No.) ITEA No.12M-RPTFEB022

Dust

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

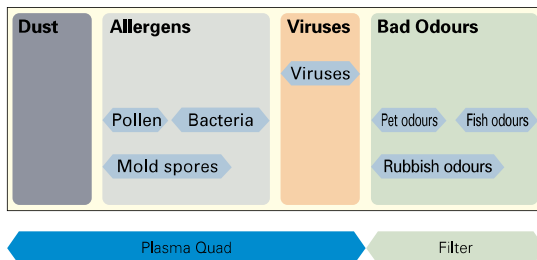
(Test No.) ITEA No.12M-RPTFEB022

(Image)



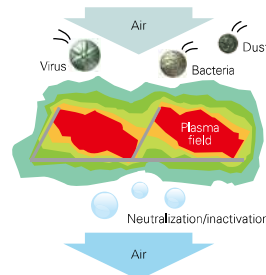
[Effective Range]

Macro ← Particulate size → Nano

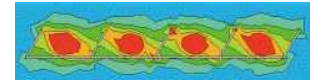


Principle of Plasma Quad

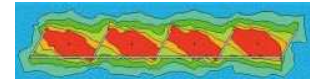
Plasma Quad attacks bacteria and viruses from inside the unit using a strong curtain-like electrical field and discharge of electric current across the whole inlet-air opening of the unit. Tungsten discharge electrodes are used as they provide both discharge capacity and strength. In addition, through flattening the standard, round form of the field to a ribbon-like shape, a strong electrical field is produced.



Round:

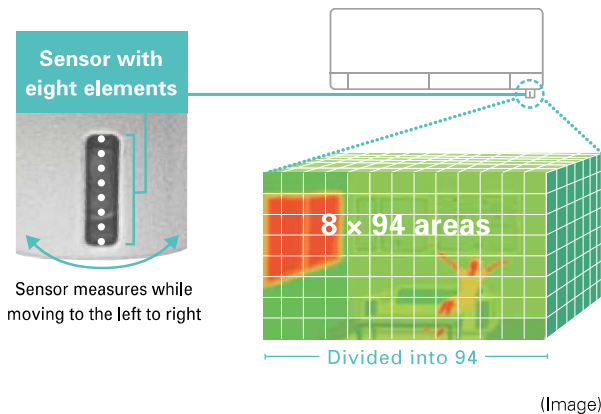


Flattened: a strong electrical field is produced.



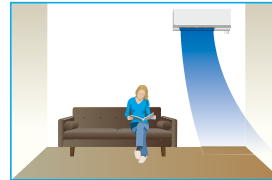
3D i-see Sensor

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



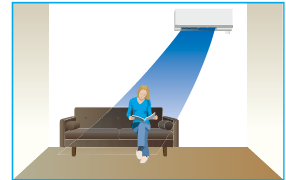
Indirect Airflow

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.



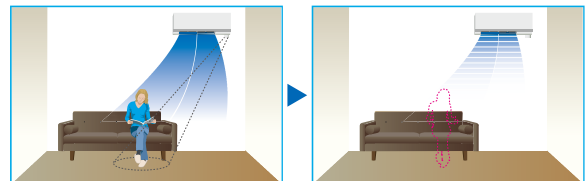
Direct Airflow

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



Absence Detection

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

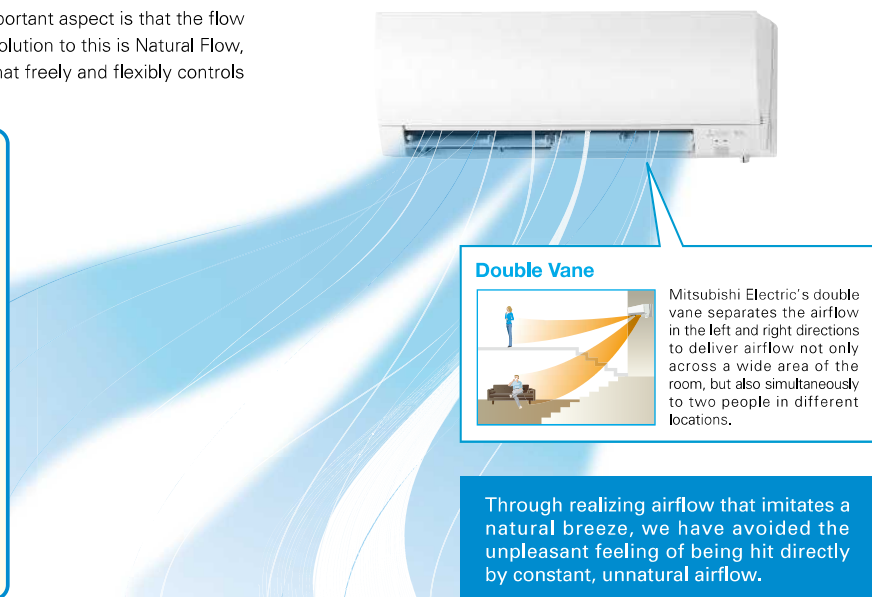
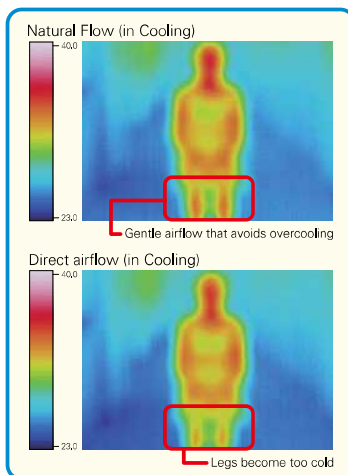


The "3D i-see Sensor" detects people's absence and the power consumption is automatically reduced approximately 10% after 10 minutes and 20% after 60 minutes.

Natural Flow

24-hour Timer

To create "healthy" airflow, the most important aspect is that the flow of air feels natural. Mitsubishi Electric's solution to this is Natural Flow, only possible thanks to our technology that freely and flexibly controls airflow.



Base data for Natural Flow

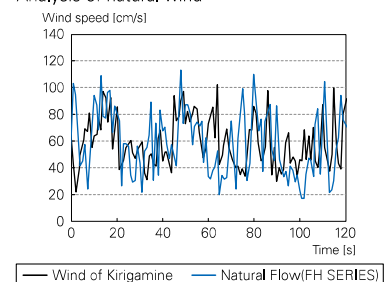


Kirigamine Highland

measuring actual data of natural wind

Kirigamine Highland is one of the most famous sightseeing spots in Japan, and is visited by a large number of people for its pleasant and comfortable environment. At Mitsubishi Electric, we have attempted to recreate this Kirigamine Highland comfort. As part of development, seeking to create a natural airflow, we measured actual data on the refreshing breezes of Kirigamine Highland. Through imitating the natural waveforms of this data, we have been able to recreate almost-imperceptible currents of gently comforting airflow.

Analysis of natural wind



MSZ-F SERIES



Indoor Unit



MSZ-FH25/35/50VE2



Outdoor Unit



MUZ-FH25/35VE



MUZ-FH50VE

Remote Controller



Type				Inverter Heat Pump			
Indoor Unit	MSZ-FH25VE2			MSZ-FH35VE2	MSZ-FH50VE2		
Outdoor Unit	MUZ-FH25VE			MUZ-FH35VE	MUZ-FH50VE		
Refrigerant				R410A ⁽¹⁾			
Power Supply	Source			Outdoor Power supply			
	Outdoor (V / Phase / Hz)			230/Single/50			
Cooling	Design load	kW	2.5	3.5	5.0		
	Annual electricity consumption ⁽²⁾	kWh/a	96	138	244		
	SEER ⁽³⁾		9.1	8.9	7.2		
	Energy efficiency class		A+++	A+++	A++		
	Capacity	Rated	kW	2.5	3.5	5.0	
		Min-Max	kW	1.4-3.5	0.8-4.0	1.9-6.0	
Total Input	Rated	kW	0.485	0.820	1.380		
Heating (Average Season) ⁽⁴⁾	Design load	kW	3.0(+10°C)	3.6(+10°C)	4.5(+10°C)		
	Declared Capacity	at reference design temperature	kW	3.0(+10°C)	3.6(+10°C)	4.5(+10°C)	
		at bivalent temperature	kW	3.0(+10°C)	3.6(+10°C)	4.5(+10°C)	
		at operation limit temperature	kW	2.5(+15°C)	3.2(+15°C)	5.2(+15°C)	
	Back up heating capacity	kW	0.0(+10°C)	0.0(+10°C)	0.0(+10°C)		
	Annual electricity consumption ⁽²⁾	kWh/a	819	986	1372		
	SCOP ⁽⁴⁾		5.1	5.1	4.6		
	Energy efficiency class		A+++	A+++	A++		
Capacity	Rated	kW	3.2	4.0	6.0		
	Min-Max	kW	1.8-5.5	1.0-6.3	1.7-8.7		
Total Input	Rated	kW	0.580	0.800	1.480		
Operating Current (Max)			A	9.6	14.0		
Indoor Unit	Input	Rated	kW	0.029	0.031		
	Operating Current(Max)	A	0.4	0.4	0.4		
	Dimensions	H*W*D	mm	305(+17)-925-234	305(+17)-925-234		
	Weight	kg	13.5	13.5	13.5		
	Air Volume (SLo-Lo-Mid-Hi-SH ⁽⁵⁾ /Dry/Wet)	Cooling	m³/min	3.9-4.7-6.3-8.6-11.6	6.4-7.4-8.6-10.1-12.4		
		Heating	m³/min	4.0-4.7-6.4-9.2-13.2	5.7-7.2-9.0-11.2-14.6		
	Sound Level (SPL) (SLo-Lo-Mid-Hi-SH ⁽⁵⁾)	Cooling	dB(A)	20-23-29-36-42	21-24-29-36-42		
		Heating	dB(A)	20-24-29-36-44	21-24-29-36-44		
	Sound Level (PWL)	Cooling	dB(A)	58	60		
	Outdoor Unit	Dimensions	H*W*D	mm	550-800-285	880-840-330	
Weight		kg	37	37	55		
Air Volume		Cooling	m³/min	31.3	33.6		
		Heating	m³/min	31.3	33.6		
Sound Level (SPL)		Cooling	dB(A)	46	49		
		Heating	dB(A)	49	50		
Sound Level (PWL)		Cooling	dB(A)	60	61		
		Heating	dB(A)	60	64		
Operating Current (Max)		A	9.6	9.6	13.6		
Breaker Size		A	9.2	10	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	-10 ~ +46	-10 ~ +46		
	Heating	°C	-15 ~ +24	-15 ~ +24	-15 ~ +24		

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

⁽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 47 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-EF18-50VE2B



Stylish Line-up Matches Any Room Décor

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



Energy-efficient Operation



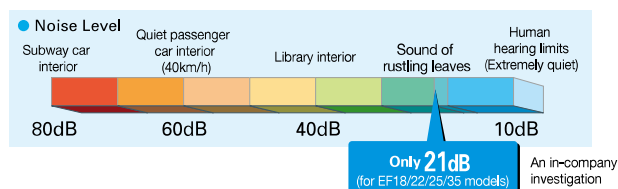
All models in the series have achieved high energy-savings rating, and are contributing to reduced energy consumption in homes, offices and a range of other settings. Offered in a variety of output capacities and installation patterns, the vast applicability promises an ideal match for any user.

Indoor \ Outdoor	Rank A for single connection MUZ-EF25/35VE(H) MUZ-EF42/50VE	Compatibility							
		MXZ							
		2D33VA	2D42VA2	2D53VA2	3E54VA	3E68VA	4E72VA	4E83VA	5E102VA
MSZ-EF18VE3	—	✓	✓	✓	✓	✓	✓	✓	✓
MSZ-EF22VE3	—	✓	✓	✓	✓	✓	✓	✓	✓
MSZ-EF25VE3	A+++ / A++ (A+++)	✓	✓	✓	✓	✓	✓	✓	✓
MSZ-EF35VE3	A+++ / A++ (A+++)		✓	✓	✓	✓	✓	✓	✓
MSZ-EF42VE3	A++ / A+			✓	✓	✓	✓	✓	✓
MSZ-EF50VE3	A++ / A+			✓	✓	✓	✓	✓	✓

*VEH

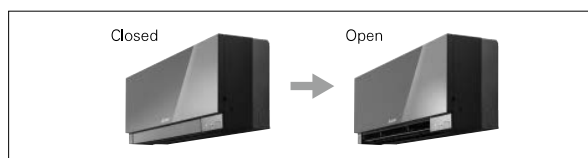
Quiet Comfort All Day Long

Mitsubishi Electric's advanced "Silent Mode" fan speed setting provides super-quiet operation as low as 21dB for EF18/22/25/35 models. This unique feature makes the Kirigamine ZEN series ideal for use in any situation.



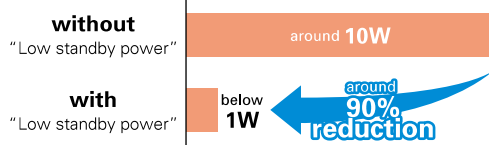
Superior Exterior and Operating Design Concept

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



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-EF25/35VE

Heater Installed



MUZ-EF25/35VEH

MSZ-E SERIES



Indoor Unit



MSZ-EF18/22/25/35/42/50VE3W White



MSZ-EF18/22/25/35/42/50VE3S Silver



MSZ-EF18/22/25/35/42/50VE3B* Black



Outdoor Unit



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



MUZ-EF50VE

Remote Controller



*Soft-dry Cloth is enclosed with Black models.



Type			Inverter Heat Pump						
Indoor Unit			MSZ-EF18VE3	MSZ-EF22VE3	MSZ-EF25VE3	MSZ-EF25VEH	MSZ-EF35VE3	MSZ-EF42VE3	MSZ-EF50VE3
Outdoor Unit			for MXZ connection		MUZ-EF25VE	MUZ-EF25VEH	MUZ-EF35VEH	MUZ-EF42VE	MUZ-EF50VE
Refrigerant			R410A ^(*)						
Power Supply	Source		Outdoor Power supply						
	Outdoor (V / Phase / Hz)		230/Single/50						
Cooling	Design load		kW	-	-	2.5	2.5	3.5	5.0
	Annual electricity consumption ⁽²⁾		kWh/a	-	-	103	103	144	244
	SEER ⁽³⁾		-	-	-	8.5	8.5	8.5	7.2
	Energy efficiency class		-	-	-	A+++	A+++	A+++	A++
	Capacity	Rated	kW	-	-	2.5	2.5	3.5	5.0
		Min-Max	kW	-	-	1.2-3.4	1.2-3.4	1.4-4.0	1.4-5.4
Heating (Average Season) ⁽⁴⁾	Total Input		Rated	kW	-	0.545	0.545	0.910	1.560
	Design load		kW	-	-	2.4(-10°C)	2.4(-10°C)	2.9(-10°C)	4.2(-10°C)
	Declared Capacity	at reference design temperature	kW	-	-	2.4(-10°C)	2.4(-10°C)	2.9(-10°C)	3.8(-10°C)
		at bivalent temperature	kW	-	-	2.4(-10°C)	2.4(-10°C)	2.9(-10°C)	3.8(-10°C)
		at operation limit temperature	kW	-	-	2.0(-15°C)	1.6(-20°C)	1.7(-20°C)	3.5(-15°C)
	Back up heating capacity		kW	-	-	0.0(-10°C)	0.0(-10°C)	0.0(-10°C)	0.0(-10°C)
	Annual electricity consumption ⁽²⁾		kWh/a	-	-	716	730	882	1309
	SCOP ⁽⁴⁾		-	-	-	4.7	4.6	4.5	4.5
	Energy efficiency class		-	-	-	A++	A++	A+	A+
	Capacity	Rated	kW	-	-	3.2	3.2	4.0	5.8
		Min-Max	kW	-	-	1.1-4.2	1.1-4.2	1.4-5.5	1.6-7.5
Operating Current (Max)	Total Input		Rated	kW	-	0.700	0.700	0.955	1.565
	A		-	-	-	7.3	7.3	8.5	12.4
	Input	Rated	kW	0.027	0.027	0.027	0.027	0.031	0.034
		Operating Current(Max)	A	0.3	0.3	0.3	0.3	0.3	0.4
	Dimensions		H*W*D	mm	290-885-195	290-885-195	290-885-195	299-885-195	299-885-195
	Weight		kg	11.5	11.5	11.5	11.5	11.5	11.5
	Air Volume (SLo-Lo-Mid-Hi-SH ⁽⁵⁾ Dry/Wet)	Cooling	m ³ /min	4.0-4.6-6.3-8.3-10.5	4.0-4.6-6.3-8.3-10.5	4.0-4.6-6.3-8.3-10.5	4.0-4.6-6.3-8.3-10.5	5.8-6.6-7.7-8.9-10.3	5.8-6.8-7.9-9.3-11.0
		Heating	m ³ /min	4.0-4.6-6.2-8.9-11.9	4.0-4.6-6.2-8.9-11.9	4.0-4.6-6.2-8.9-11.9	4.0-4.6-6.2-8.9-12.7	5.5-6.3-7.8-9.9-12.7	8.4-7.3-9.0-11.1-13.2
	Sound Level (SPL) (SLo-Lo-Mid-Hi-SH ⁽⁵⁾)	Cooling	dB(A)	21-23-29-36-42	21-23-29-36-42	21-23-29-36-42	21-24-29-36-42	21-24-29-36-42	25-31-35-39-43
		Heating	dB(A)	21-24-29-37-45	21-24-29-37-45	21-24-29-37-45	21-24-30-38-46	21-24-30-38-46	30-33-37-43-49
Indoor Unit	Sound Level (PWL)		Cooling	dB(A)	-	60	60	60	60
	Dimensions		H*W*D	mm	-	550-800-285	550-800-285	550-800-285	880-840-330
	Weight		kg	-	-	30	30	35	54
	Air Volume	Cooling	m ³ /min	-	-	32.6	32.6	33.6	44.6
		Heating	m ³ /min	-	-	32.2	32.2	33.6	44.6
	Sound Level (SPL)	Cooling	dB(A)	-	-	47	47	49	52
		Heating	dB(A)	-	-	48	48	50	52
	Sound Level (PWL)	Cooling	dB(A)	-	-	58	58	61	65
		Heating	dB(A)	-	-	58	58	61	65
	Operating Current (Max)		A	-	-	7.0	7.0	8.2	12.0
Ext. Piping	Breaker Size		A	-	-	10	10	10	16
	Diameter	Liquid/Gas	mm	-	-	6.35 / 9.52	6.35 / 9.52	6.35 / 9.52	6.35 / 12.7
		Max.Length	Out-In	m	-	20	20	20	30
		Max.Height	Out-In	m	-	12	12	12	15
Guaranteed Operating Range (Outdoor)	Cooling	°C	-	-	-	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46
		°C	-	-	-	-15 ~ +24	-20 ~ +24	-15 ~ +24	-15 ~ +24

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

MSZ-S SERIES

MSZ-G SERIES

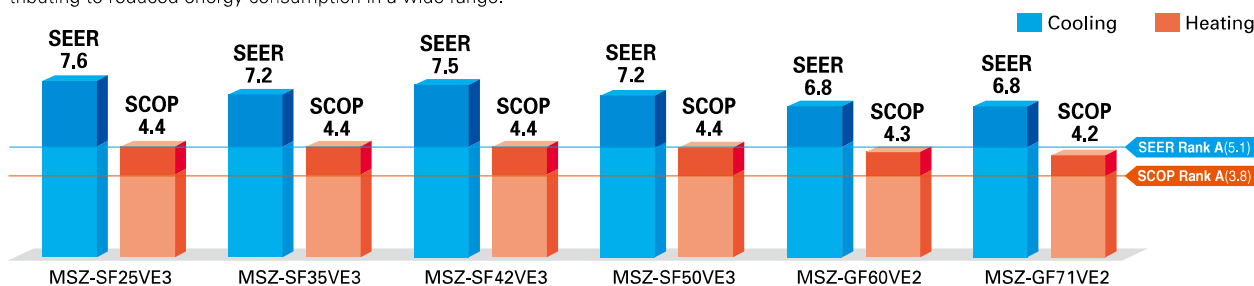
Introducing a compact and stylish indoor unit with amazingly quiet performance. Not only are neat installations in small bedrooms possible, increase energy-savings by selecting the optimal capacity required for each room.



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



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

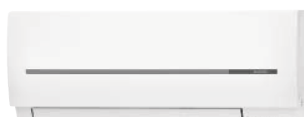


Wide Line-up

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



MSZ-SF15 / 20VA*
*for MXZ connection



MSZ-SF25 / 35 / 42 / 50VE3



MSZ-GF60 / 71VE2

Compact and Stylish

(MSZ-SF15/20VA)

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

Comparison with our previous model GE



Family Design

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

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

*Size may vary.



“Weekly Timer”

Weekly
Timer

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

■ Example Operation Pattern (Winter/Heating mode)

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

Settings

Pattern Settings: Input up to four settings for each day

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

■ Easy set-up using dedicated buttons



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



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

Low Standby Power

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

without
“Low standby power”

around 10W

with
“Low standby power”

below 1W

around 90%
reduction

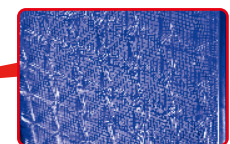
Air Purifying Filter

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

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



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

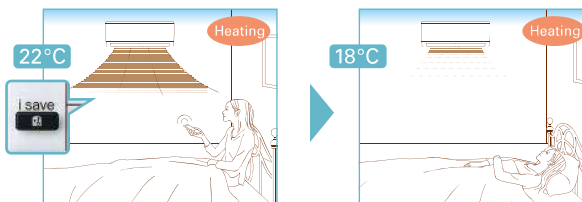


3D surface (Waved surface)

“i save” Mode

i save

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



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

Outdoor Units for Cold Region

(25/35/42/50)

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

Standard Units

Heater Installed



MUZ-SF25/35/42VE



MUZ-SF50VE



MUZ-SF25/35/42VEH



MUZ-SF50VEH

MSZ-S SERIES



Indoor Unit



MSZ-SF15/20VA



Outdoor Unit

For MXZ Connection Only

Remote Controller



Type	Inverter Heat Pump					
Indoor Unit	MSZ-SF15VA	MSZ-SF20VA	MSZ-SF25VE3	MSZ-SF35VE3	MSZ-SF35VE3	MSZ-SF35VE3
Outdoor Unit	for MXZ connection		MUZ-SF25VE	MUZ-SF25VEH	MUZ-SF35VE	MUZ-SF35VEH
Refrigerant	R410A ⁽¹⁾					
Power Supply	Outdoor Power supply					
Source	230/Single/50					
Outdoor (V / Phase / Hz)						
Cooling	Design load	kW	-	2,5	3,5	3,5
	Annual electricity consumption ⁽²⁾	kWh/a	-	116	171	171
	SEER ⁽⁴⁾		-	7,6	7,2	7,2
	Energy efficiency class		-	A++	A++	A++
	Capacity	kW	-	2,5	3,5	3,5
Heating (Average Season) ⁽⁵⁾	Min-Max	kW	-	0,9-3,4	1,1-3,8	1,1-3,8
	Total Input	kW	-	0,600	1,080	1,080
	Design load	kW	-	2,4(-10°C)	2,4(-10°C)	2,9(-10°C)
	Declared Capacity	kW	-	2,4(-10°C)	2,4(-10°C)	2,9(-10°C)
	Back up heating capacity	kW	-	2,0(-15°C)	2,2(-15°C)	2,9(-10°C)
Operating Current (Max)	Annual electricity consumption ⁽²⁾	kWh/a	-	764	923	948
	SCOP ⁽⁴⁾		-	4,4	4,3	4,3
	Energy efficiency class		-	A+	A+	A+
	Capacity	kW	-	3,2	4,0	4,0
	Min-Max	kW	-	1,0-4,1	1,3-4,6	1,3-4,6
Indoor Unit	Total Input	kW	-	0,780	1,030	1,030
	Input	kW	0,017	0,019	0,024	0,027
	Operating Current(Max)	A	0,17	0,2	0,3	0,3
	Dimensions	H*W*D	250-760-168	250-760-168	299-798-195	299-798-195
	Weight	kg	7,7	7,7	10	10
Outdoor Unit	Air Volume (Lo-Lo-Mid-Hi-SH ⁽³⁾ Dry/Wet)	m³/min	3,5 - 3,9 - 4,6 - 5,5 - 6,4	3,5 - 3,9 - 4,6 - 5,5 - 6,9	3,2 - 4,1 - 5,6 - 7,2 - 9,1	3,2 - 4,1 - 5,6 - 7,2 - 9,1
	Sound Level (SPL)	dB(A)	21 - 26 - 30 - 35 - 40	21 - 26 - 30 - 35 - 42	19 ⁽⁶⁾ - 24 - 30 - 36 - 42	19 ⁽⁶⁾ - 24 - 30 - 36 - 42
	Sound Level (PWL)	dB(A)	21 - 26 - 30 - 35 - 40	21 - 26 - 30 - 35 - 42	19 ⁽⁶⁾ - 24 - 34 - 39 - 45	19 ⁽⁶⁾ - 24 - 34 - 40 - 46
	Dimensions	H*W*D	-	-	550-800-285	550-800-285
	Weight	kg	-	-	31	31
Ext. Piping	Air Volume	m³/min	-	-	31,1	35,9
	Sound Level (SPL)	dB(A)	-	-	30,7	35,9
	Sound Level (PWL)	dB(A)	-	-	47	49
	Operating Current (Max)	A	-	-	48	50
	Breaker Size	A	-	-	58	62
Guaranteed Operating Range (Outdoor)	Diameter	mm	6,35/9,52	6,35/9,52	6,35 / 9,52	6,35 / 9,52
	Max.Length	m	-	-	20	20
	Max.Height	m	-	-	12	12
	Cooling	°C	-	-	-10 ~ +46	-10 ~ +46
	Heating	°C	-	-	-15 ~ +24	-15 ~ +24

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

(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".

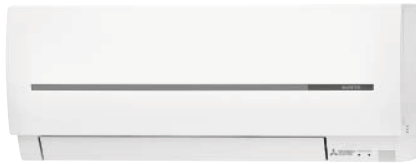
(5) Please see page 47 for heating (warmer season) specifications.

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

MSZ-S SERIES MSZ-G SERIES



Indoor Unit



MSZ-SF25/35/42/50VE3



MSZ-GF60/71VE2

Outdoor Unit



MUZ-SF25/35/42VE(H)



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

Remote Controller



Type	Inverter Heat Pump						
Indoor Unit	MSZ-SF42VE3	MSZ-SF42VE3	MSZ-SF50VE3	MSZ-SF50VE3	MSZ-GF60VE2	MSZ-GF71VE2	
Outdoor Unit	MUZ-SF42VE	MUZ-SF42VEH	MUZ-SF50VE	MUZ-SF50VEH	MUZ-GF60VE	MUZ-GF71VE	
Refrigerant	R410A ⁽¹⁾						
Power Supply	Outdoor Power supply						
Source	230/Single/50						
Outdoor (V / Phase / Hz)							
Cooling	Design load	kW	4,2	4,2	5	5	6,1
	Annual electricity consumption ⁽²⁾	kWh/a	196	196	246	246	311
	SEER ⁽⁴⁾		7,5	7,5	7,2	7,2	6,8
	Energy efficiency class		A++	A++	A++	A++	A++
	Capacity	kW	4,2	4,2	5	5	6,1
Heating (Average Season) ⁽⁵⁾	Min-Max	kW	0,8-4,5	0,8-4,5	1,4-5,4	1,4-5,4	2,0-8,7
	Total Input	kW	1,340	1,340	1,660	1,660	1,790
	Design load	kW	3,8 (+10°C)	3,8 (+10°C)	4,2 (+10°C)	4,2 (+10°C)	4,6 (+10°C)
	Declared Capacity	kW	3,8 (+10°C)	3,8 (+10°C)	4,2 (+10°C)	4,2 (+10°C)	4,6 (+10°C)
	Back up heating capacity	kW	0,0 (+10°C)	0,0 (+10°C)	0,0 (+10°C)	0,0 (+10°C)	0,0 (+10°C)
Operating Current (Max)	Annual electricity consumption ⁽²⁾	kWh/a	1215	1242	1351	1380	1489
	SCOP ⁽⁴⁾		4,4	4,3	4,4	4,3	4,2
	Energy efficiency class		A+	A+	A+	A+	A+
	Capacity	kW	5,4	5,4	5,8	5,8	6,8
	Min-Max	kW	1,3-6,0	1,3-6,0	1,4-7,3	1,4-7,3	2,0-9,3
Indoor Unit	Total Input	kW	1,580	1,58	1,7	1,7	1,81
	Input	A	9,5	9,5	12,3	12,3	14,5
	Operating Current(Max)	A	0,027	0,027	0,035	0,035	0,062
	Dimensions	mm	299-798-195	299-798-195	299-798-195	299-798-195	325-1100-238
	Weight	kg	10	10	10	10	16
Outdoor Unit	Air Volume (Lo/Lo-Mid-Hi-SH ⁽³⁾)	m³/min	4,7 - 5,8 - 6,7 - 7,9 - 9,1	4,7 - 5,8 - 6,7 - 7,9 - 9,1	5,1 - 6,2 - 7,0 - 8,2 - 9,9	5,1 - 6,2 - 7,0 - 8,2 - 9,9	9,8-11,3-13,4-15,6-18,3
	Sound Level (SPL)	dB(A)	26 ⁽⁶⁾ - 31 - 34 - 38 - 42	26 ⁽⁶⁾ - 31 - 34 - 38 - 42	26 ⁽⁶⁾ - 33 - 36 - 40 - 45	26 ⁽⁶⁾ - 33 - 36 - 40 - 45	29 - 37 - 41 - 45 - 49
	Sound Level (PWL)	dB(A)	26 ⁽⁶⁾ - 31 - 36 - 42 - 47	26 ⁽⁶⁾ - 31 - 36 - 42 - 47	28 ⁽⁷⁾ - 33 - 38 - 43 - 49	28 ⁽⁷⁾ - 33 - 38 - 43 - 49	30 - 37 - 41 - 45 - 49
	Dimensions	mm	550-800-285	550-800-285	880-840-330	880-840-330	880-840-330
	Weight	kg	35	35	55	55	53
Ext. Piping	Air Volume	m³/min	35,2	35,2	44,6	44,6	49,2
	Sound Level (SPL)	dB(A)	50	50	52	52	55
	Sound Level (PWL)	dB(A)	51	51	52	52	55
	Operating Current (Max)	A	9,2	9,2	12	12	14
	Breaker Size	A	10	10	16	16	20
Guaranteed Operating Range (Outdoor)	Diameter	mm	6,35 / 9,52	6,35 / 9,52	6,35 / 12,7	6,35 / 12,7	6,35/15,88
	Max.Length	m	20	20	30	30	30
	Max.Height	m	12	12	15	15	15
Guaranteed Operating Range (Outdoor)	Cooling	°C	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46
	Heating	°C	-15 ~ +24	-20 ~ +24	-15 ~ +24	-20 ~ +24	-15 ~ +24

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

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

(3) 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 47 for heating (warmer season) specifications.

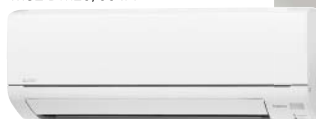
(6) For single use: only 26dB(A). For multi use (MX2): 28dB(A).

(7) For single use: only 28dB(A). For multi use (MX2): 30dB(A).

MSZ-D SERIES

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

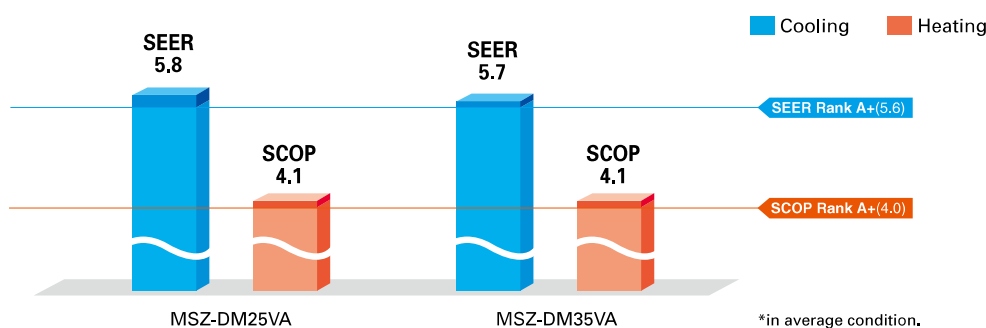
MSZ-DM25/35VA



Advanced Inverter Control – Efficient Operation All the Time



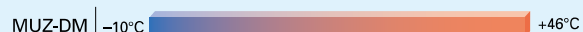
Mitsubishi Electric's cutting-edge inverter technologies are adopted to provide automatic adjustment of operation load according to need. This reduces excessive consumption of electricity, and thereby realises an Energy Rank "A+".



Wider Cooling Operating Range

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

Operating Range (Cooling)



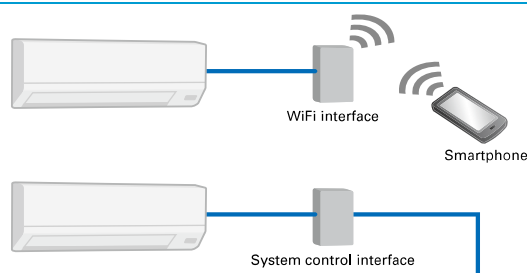
Wi-Fi and System Control

Wi-Fi Interface

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

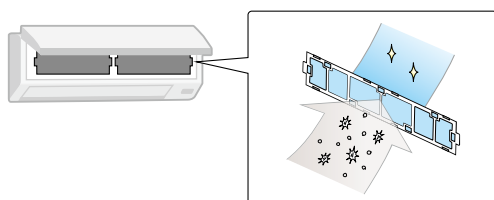
System Control Interface

- 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-32MASS is possible.
- Centralized control is possible when connected to M-NET.



Silver-ionized Air Purifying Filter

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



Compact Units

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

Indoor Unit: MSZ-DM25VA



Only 799mm width

Outdoor Unit: MUZ-DM25/35VA



Only 699mm width

MSZ-D SERIES



Indoor Unit



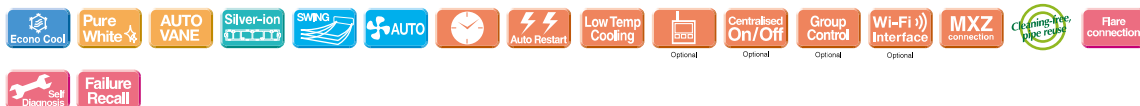
MSZ-DM25/35VA

Outdoor Unit



MUZ-DM25/35VA

Remote Controller



Type			Inverter Heat Pump	
Indoor Unit			MSZ-DM25VA	MSZ-DM35VA
Outdoor Unit			MUZ-DM25VA	MUZ-DM35VA
Refrigerant			R410A ⁽¹⁾	
Power Supply	Source		Indoor Power supply	
	Outdoor (V / Phase / Hz)		230V/Single/50Hz	
Cooling	Design load	kW	2.5	3.1
	Annual electricity consumption ⁽²⁾	kWh/a	149	190
	SEER ⁽³⁾		5.8	5.7
	Energy efficiency class		A+	A+
	Capacity			
	Rated	kW	2.5	3.15
Heating	Min-Max	kW	1.3 - 3.0	1.4 - 3.5
	Total Input	Rated	kW	0.710
	Design load	kW	1.9 (-10°C)	2.4 (-10°C)
	Declared Capacity	at reference design temperature	kW	1.9 (-10°C)
		at bi-valent temperature	kW	1.9 (-10°C)
		at operation limit temperature	kW	1.9 (-10°C)
Average Season ⁽⁴⁾	Back up heating capacity	kW	0.0 (-10°C)	0.0 (-10°C)
	Annual electricity consumption ⁽²⁾	kWh/a	647	809
	SCOP ⁽⁵⁾		4.1	4.1
	Energy efficiency class		A+	A+
	Capacity			
	Rated	kW	3.15	3.6
Indoor Unit	Min-Max	kW	0.9 - 3.5	1.1 - 4.1
	Total Input	Rated	kW	0.850
	Operating Current (Max)	A	5.8	6.5
	Input	Rated	kW	0.020
	Operating Current(Max)	A	0.3	0.3
	Dimensions	H*W*D	mm	290-799-232
Outdoor Unit	Weight	kg	9	9
	Air Volume (SLo-Lo-Mid-Hi-SH ⁽³⁾ /Dry/Wet)	Cooling	m ³ /min	3.8 - 5.5 - 7.3 - 9.5
		Heating	m ³ /min	3.5 - 5.5 - 7.5 - 10.0
	Sound Level (SPL)	Cooling	dB(A)	22 - 30 - 37 - 43
		Heating	dB(A)	23 - 30 - 37 - 43
	Sound Level (PWL)	Cooling	dB(A)	57
Ext. Piping		Heating	dB(A)	60
	Dimensions	H*W*D	mm	538-699-249
	Weight	kg	24	25
	Air Volume	Cooling	m ³ /min	31.5
		Heating	m ³ /min	31.5
	Sound Level (SPL)	Cooling	dB(A)	50
Guaranteed Operating Range (Outdoor)		Heating	dB(A)	50
	Sound Level (PWL)	Cooling	dB(A)	63
	Operating Current (Max)	A	5.5	6.2
	Breaker Size	A	10	10
	Diameter	Liquid/Gas	mm	6.35/9.52
	Max.Length	Out-In	m	20
Max.Height	Out-In	m	12	12
	Cooling	°C	-10 ~ +46	-10 ~ +46
	Heating	°C	-10 ~ +24	-10 ~ +24

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

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

⁽³⁾ SH: Super High

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

⁽⁵⁾ Please see page 53 for heating (warmer season) specifications.

MSZ-H SERIES

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

MSZ-HJ25/35/50VA

MSZ-HJ60/71VA



Stylish Design with Flat Panel Front

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



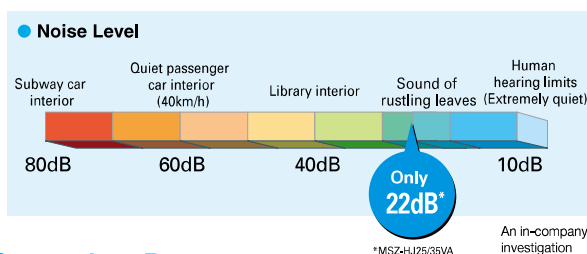
Advanced Inverter Control – Efficient Operation All the Time



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

Silent Operation

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



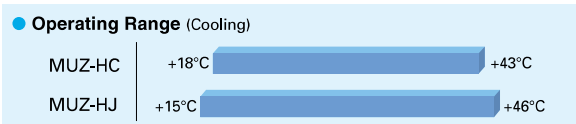
Long Piping Length

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

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

Operating Range

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



Compact Units

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

Indoor Unit: MSZ-HJ25/35/50VA

Outdoor Unit: MUZ-HJ25/35VA

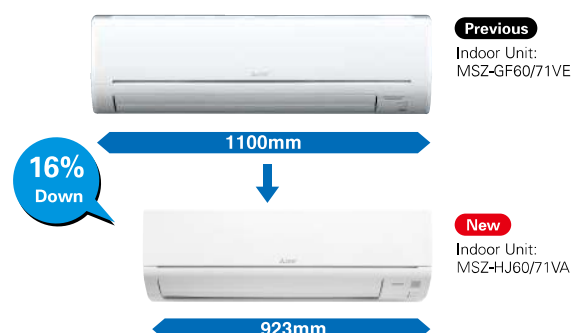


Only 799mm width



Only 699mm width

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



MSZ-H SERIES



Indoor Unit



MSZ-HJ25/35/50VA



MSZ-HJ60/71VA

Outdoor Unit



MUZ-HJ25/35VA



MUZ-HJ50VA



MUZ-HJ60/71VA

Remote Controller



Type				Inverter Heat Pump					
Indoor Unit				MSZ-HJ25VA	MSZ-HJ35VA	MSZ-HJ50VA	MSZ-HJ60VA	MSZ-HJ71VA	
Outdoor Unit				MUZ-HJ25VA	MUZ-HJ35VA	MUZ-HJ50VA	MUZ-HJ60VA	MUZ-HJ71VA	
Refrigerant				R410A ⁽¹⁾					
Power Supply	Source			Indoor Power supply					
	Outdoor (V / Phase / Hz)			230V/Single/50Hz					
Cooling	Design load		kW	2.5	3.1	5.0	6.1	7.1	
	Annual electricity consumption ⁽²⁾		kWh/a	171	212	292	354	441	
	SEER ⁽³⁾			5.1	5.1	6.0	6.0	5.6	
	Energy efficiency class			A	A	A+	A+	A+	
	Capacity	Rated	kW	2.5	3.15	5.0	6.1	7.1	
		Min-Max	kW	1.3 - 3.0	1.4 - 3.5	1.3 - 5.0	1.7 - 7.1	1.8 - 7.1	
	Total Input	Rated	kW	0.730	1.040	2.050	1.900	2.330	
Heating (Average Season) ⁽⁴⁾	Design load		kW	1.9 (-10°C)	2.4 (-10°C)	3.8 (-10°C)	4.6 (-10°C)	5.4 (-10°C)	
	Declared Capacity	at reference design temperature	kW	1.9 (-10°C)	2.4 (-10°C)	3.8 (-10°C)	4.6 (-10°C)	5.4 (-10°C)	
		at bivalent temperature	kW	1.9 (-10°C)	2.4 (-10°C)	3.8 (-10°C)	4.6 (-10°C)	5.4 (-10°C)	
		at operation limit temperature	kW	1.9 (-10°C)	2.4 (-10°C)	3.8 (-10°C)	4.6 (-10°C)	5.4 (-10°C)	
	Back up heating capacity		kW	0.0 (-10°C)	0.0 (-10°C)	0.0 (-10°C)	0.0 (-10°C)	0.0 (-10°C)	
	Annual electricity consumption ⁽²⁾		kWh/a	698	885	1267	1544	1854	
	SCOP ⁽³⁾			3.8	3.8	4.2	4.1	4.0	
	Energy efficiency class			A	A	A+	A+	A+	
	Capacity	Rated	kW	3.15	3.6	5.4	6.8	8.1	
		Min-Max	kW	0.9 - 3.5	1.1 - 4.1	1.4 - 6.5	1.5 - 8.4	1.5 - 8.5	
Total Input	Rated	kW	0.870	0.995	1.480	1.970	2.440		
Operating Current (Max)			A	5.8	6.5	9.8	12.5	12.5	
Indoor Unit	Input		Rated	kW	0.020	0.021	0.037	0.055	0.055
	Operating Current(Max)		A	0.3	0.3	0.4	0.5	0.5	
	Dimensions		H*W*D	mm	290-799-232	290-799-232	290-799-232	305-923-250	305-923-250
	Weight		kg	9	9	9	13	13	
	Air Vols (SLo-Lo-Mid-Hi-SH ⁽⁵⁾ Dry/Wet)	Cooling	m³/min	3.8 - 5.5 - 7.3 - 9.5	3.8 - 5.7 - 7.8 - 10.9	6.3 - 9.1 - 11.1 - 12.9	9.3 - 12.2 - 15.0 - 19.9	10.0 - 12.2 - 15.0 - 19.9	
		Heating	m³/min	3.5 - 5.5 - 7.5 - 10.0	3.5 - 5.5 - 7.5 - 10.3	6.1 - 8.3 - 11.1 - 14.3	9.4 - 12.5 - 16.0 - 19.9	10.3 - 12.7 - 16.4 - 19.9	
	Sound Level (SPL) (SLo-Lo-Mid-Hi-SH ⁽⁷⁾)	Cooling	dB(A)	22 - 30 - 37 - 43	22 - 31 - 38 - 45	28 - 36 - 40 - 45	31 - 38 - 44 - 50	33 - 38 - 44 - 50	
		Heating	dB(A)	23 - 30 - 37 - 43	23 - 30 - 37 - 44	27 - 34 - 41 - 47	31 - 38 - 44 - 49	33 - 38 - 44 - 49	
	Sound Level (PWL)		dB(A)	57	60	60	65	65	
	Dimensions		H*W*D	mm	538-699-249	538-699-249	550-800-285	880-840-330	880-840-330
Outdoor Unit	Weight		kg	24	25	36	55	55	
	Air Volume	Cooling	m³/min	31.5	31.5	36.3	47.9	49.3	
		Heating	m³/min	31.5	31.5	34.8	47.9	47.9	
	Sound Level (SPL)	Cooling	dB(A)	50	50	50	55	55	
		Heating	dB(A)	50	50	51	55	55	
	Sound Level (PWL)	Cooling	dB(A)	63	64	64	65	66	
		Heating	dB(A)	63	64	64	65	66	
	Operating Current (Max)		A	5.5	6.2	9.4	12	12	
	Breaker Size		A	10	10	12	16	16	
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	20	30	30	
	Max.Height	Out-In	m	12	12	12	15	15	
Guaranteed Operating Range (Outdoor)			Cooling	°C	+15 ~ +46	+15 ~ +46	+15 ~ +46	+15 ~ +46	
			Heating	°C	-10 ~ +24	-10 ~ +24	-10 ~ +24	-10 ~ +24	-10 ~ +24

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

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

⁽³⁾ 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 47 for heating (warmer season) specifications.

MFZ SERIES

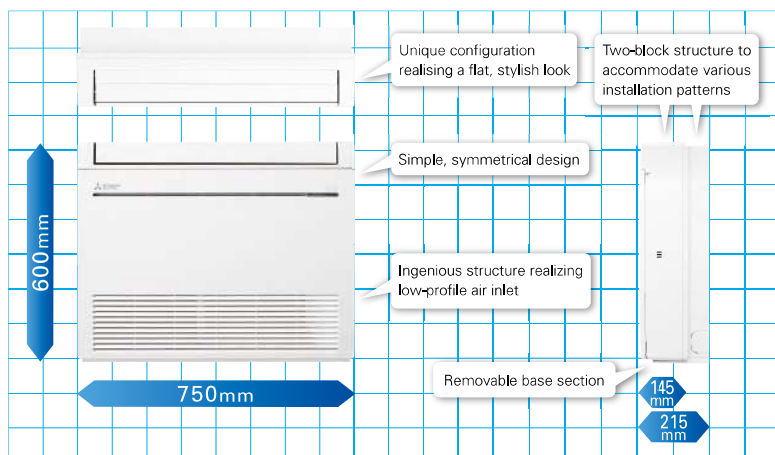
High Capacity, Energy Savings and a Design in Harmony with Living Spaces
Raise the Value of Your Room to the Next Level.

MFZ-KJ25/35/50VE

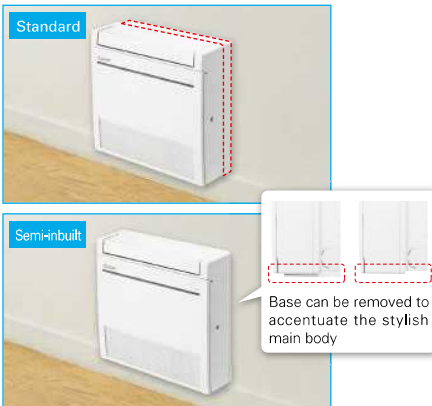


Simple , Flat Design

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

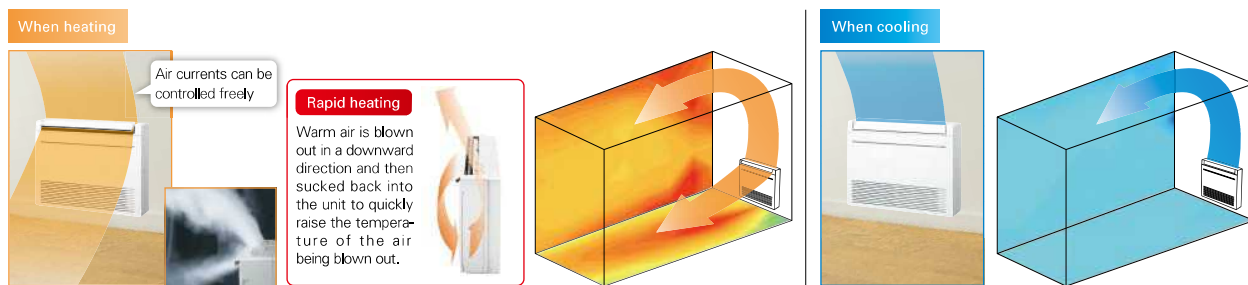


Images of installed unit



Multi-flow Vane

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

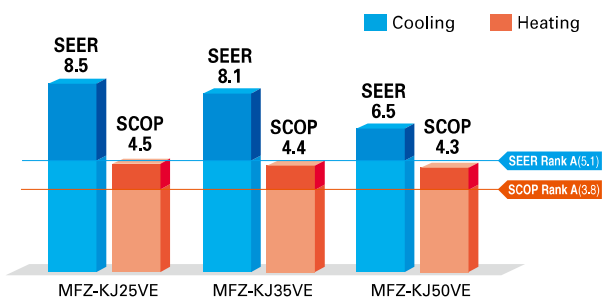


* The downward airflow is also possible as well as heating.

Excellent Energy-saving Performance



SEER A+++ (25) and SCOP A+ (25/35/50) ratings have been achieved through development focusing on compliance with European energy-related product (ErP) regulations.



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.

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.

MFZ-KJ SERIES



Indoor Unit



MFZ-KJ25/35/50VE2



Outdoor Unit



MUFZ-KJ25/35VE



MUFZ-KJ50VE

Remote Controller



Type				Inverter Heat Pump						
Indoor Unit				MFZ-KJ25VE2		MFZ-KJ35VE2		MFZ-KJ50VE2		
Outdoor Unit				MUFZ-KJ25VE		MUFZ-KJ35VE		MUFZ-KJ50VE		
Refrigerant				R410A(*1)		R410A(*1)		R410A(*1)		
Power Supply				Source		Outdoor power supply				
Outdoor(V/Phase/Hz)						230 / Single / 50				
Cooling	Design load		kW	2.5		3.5		5.0		
	Annual electricity consumption ^{(*)2}		kWh/a	102		150		266		
	SEER ^{(*)4}			8.5		8.1		6.5		
	Energy efficiency class			A+++		A++		A+		
	Capacity			2.5		3.5		5.0		
Heating (Average Season)	Declared Capacity		at reference design temperature	kW	3.4(+10°C)		3.5(+10°C)		4.4(+10°C)	
			at bivalent temperature	kW	3.4(+10°C)		3.5(+10°C)		4.4(+10°C)	
			at operation limit temperature	kW	2.4(+15°C)		2.9(+15°C)		6.0(+15°C)	
	Back up heating capacity		kW	0.0(+10°C)		0.0(+10°C)		0.0(+10°C)		
	Annual electricity consumption ^{(*)2}		kWh/a	1059		1110		1406		
Indoor Unit	SCOP ^{(*)4}			4.5		4.4		4.3		
	Energy efficiency class			A+		A+		A+		
	Capacity			3.4		4.3		6.0		
	Rated		kW	1.2 - 4.6		1.2 - 5.5		2.2 - 8.2		
	Total Input		Rated	kW	0.770		1.100		1.610	
Operating Current (Max)				A	9.4		9.4		14.0	
Outdoor Unit	Input		Rated	kW	0.016		0.016		0.038	
	Operating Current(Max)		A	0.17		0.17		0.34		
	Dimensions		H*W*D	mm	600-750-215		600-750-215		600-750-215	
	Weight		kg	15		15		15		
	Air Volume		Cooling	m3/min	3.9 - 4.9 - 5.9 - 7.1 - 8.2		3.9 - 4.9 - 5.9 - 7.1 - 8.2		5.6 - 6.7 - 8.0 - 9.3 - 10.6	
	(SLo-Lo-Mid-Hi-SHi ^{(*)3})		Heating	m3/min	3.9 - 5.1 - 6.2 - 7.7 - 9.7		3.9 - 5.1 - 6.2 - 7.7 - 9.7		6.0 - 7.4 - 9.4 - 11.6 - 14.0	
	Sound Level (SPL)		Cooling	dB(A)	20 - 25 - 30 - 35 - 39		20 - 25 - 30 - 35 - 39		27 - 31 - 35 - 39 - 44	
	(SLo-Lo-Mid-Hi-SHi ^{(*)3})		Heating	dB(A)	19 - 25 - 30 - 35 - 41		19 - 25 - 30 - 35 - 41		29 - 35 - 40 - 45 - 50	
Outdoor Unit	Sound Level (PWL)		Cooling	dB(A)	49		50		56	
	Dimensions		H*W*D	mm	550-800-285		550-800-285		880-840-330	
	Weight		kg	37		37		55		
	Air Volume		Cooling	m3/min	31.3		31.3		45.8	
			Heating	m3/min	33.6		33.6		45.8	
	Sound Level (SPL)		Cooling	dB(A)	46		47		49	
			Heating	dB(A)	51		51		51	
	Sound Level (PWL)		Cooling	dB(A)	59		60		63	
Ext. Piping	Operating Current(Max)		A	9.2		9.2		13.6		
	Breaker Size		A	10		10		16		
	Diameter		Liquid/Gas	mm	6.35/9.52		6.35/9.52		6.35/12.7	
Guaranteed Operating Range [Outdoor]	Max.Length		Out-In	m	20		20		30	
	Max.Height		Out-In	m	12		12		15	
			Cooling	°C	-10 ~ +46		-10 ~ +46		-10 ~ +46	
		Heating	°C	-15 ~ +24		-15 ~ +24		-15 ~ +24		

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

(*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

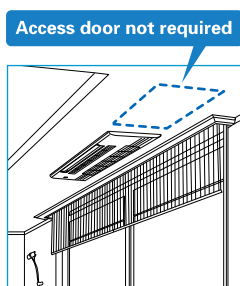
MLZ-KA25/35/50VA

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.



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.



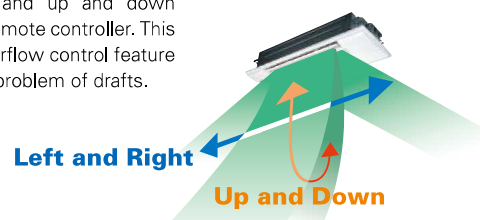
Set Airflow According to Ceiling Height

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

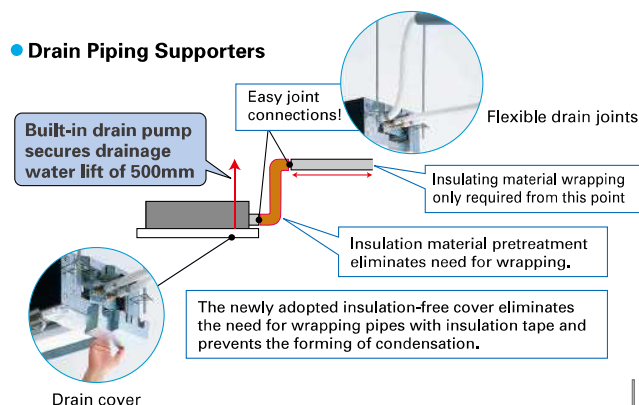
Outlet vanes can be moved left and right, and up and down using the remote controller. This improved airflow control feature solves the problem of drafts.



Easy Installation

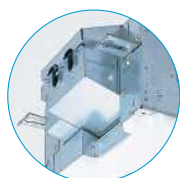
A built-in drain pump (500mm lift) and flexible drain joints make attaching the drain hose in the ceiling cavity easy, resulting in simple and fast installation. Tight yet flexible fittings eliminate the need of wrapping with heat-insulation tape, and ensure that pipe and drain cover connections are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

• Drain Piping Supporters

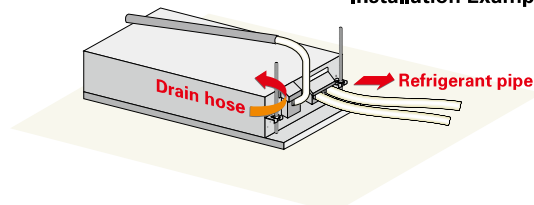


• Easy Mounting Plate

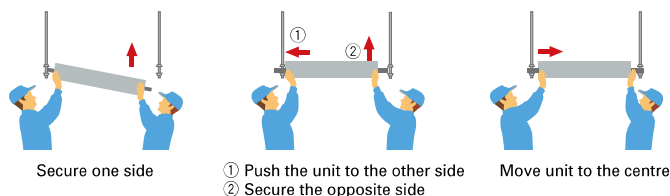
Suspension work simplified with well-designed mounting plates



Installation Example



Flexible drain joints simplify drain piping work in narrow ceiling areas



MLZ-KA SERIES



Indoor Unit



MLZ-KA25/35/50VA

Panel

MLP-443W

Outdoor Unit

For MXZ Connection Only

Remote Controller



Type		Inverter Heat Pump			
Indoor Unit		MLZ-KA25VA		MLZ-KA35VA	MLZ-KA50VA
Outdoor Unit		for MXZ connection			
Refrigerant		R410A ⁽¹⁾			
Power Supply	Source	Outdoor Power supply			
	Outdoor (V / Phase / Hz)	230V / Single / 50Hz			
Cooling	Design load	kW	-	-	-
	Annual electricity consumption ⁽²⁾	kWh/a	-	-	-
	SEER ⁽⁴⁾		-	-	-
	Energy efficiency class		-	-	-
	Capacity	Rated	-	-	-
		Min-Max	-	-	-
Heating (Average Season)	Total Input	Rated	-	-	-
	Design load	kW	-	-	-
	Declared Capacity	at reference design temperature	-	-	-
		at bivalent temperature	-	-	-
		at operation limit temperature	-	-	-
	Back up heating capacity	kW	-	-	-
	Annual electricity consumption ⁽²⁾	kWh/a	-	-	-
	SCOP ⁽⁴⁾		-	-	-
	Energy efficiency class		-	-	-
	Capacity	Rated	-	-	-
		Min-Max	-	-	-
	Total Input	Rated	-	-	-
Operating Current (Max)		A	0,4	0,4	0,4
Indoor Unit	Input	Rated	kW	0,040	0,040
	Operating Current(Max)	A	-	-	-
	Dimensions	H*W*D	mm	175-1102-360	175-1102-360
	Weight	kg	15	15	15
	Air Volume (Lo-Low-Mid-Hi-SH ⁽³⁾ Dry/Wet)	Cooling	m ³ /min	7,2-8,0-8,8	8,3-9,8-11,4
		Heating	m ³ /min	7,0-8,2-9,2	8,8-10,3-11,8
	Sound Level (SPL) (Lo-Low-Mid-Hi-SH ⁽³⁾)	Cooling	dB(A)	29-32-35	31-34-37
		Heating	dB(A)	28-32-36	31-35-38
	Sound Level (PWL)	Cooling	dB(A)	52	54
		Heating	dB(A)	52	60
Panel	Dimensions	H*W*D	mm	34-1200-414	34-1200-414
	Weight	kg	3,5	3,5	3,5
	Dimensions	H*W*D	mm	-	-
Outdoor Unit	Weight	kg	-	-	-
	Air Volume	Cooling	m ³ /min	-	-
		Heating	m ³ /min	-	-
	Sound Level (SPL)	Cooling	dB(A)	-	-
		Heating	dB(A)	-	-
	Sound Level (PWL)	Cooling	dB(A)	-	-
		Heating	dB(A)	-	-
	Operating Current (Max)	A	-	-	-
Ext. Piping	Breaker Size	A	-	-	-
	Diameter	Liquid/Gas	mm	6,35/9,52	6,35/12,7
	Max.Length	Out-In	m	-	-
Guaranteed Operating Range (Outdoor)	Max.Height	Out-In	m	-	-
	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 1975. This means that if 1 kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 1975 times higher than 1 kg of CO₂ over a period of 100 years. Never try to interfere with the refrigerant circuit yourself or disassemble the product yourself and always ask a professional.

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

(3) 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 Condition

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

Type			Inverter Heat Pump					
Indoor Unit			MSZ-EF25VE2		MSZ-EF35VE2		MSZ-EF42VE2	MSZ-EF50VE2
Outdoor Unit			MUZ-EF25VE	MUZ-EF25VEH	MUZ-EF35VE	MUZ-EF35VEH	MUZ-EF42VE	MUZ-EF50VE
Refrigerant			R410A ⁽¹⁾					
Cooling	Design load	kW	2.5	2.5	3.5	3.5	4.2	5.0
	Annual electricity consumption ⁽²⁾	kWh/a	103	103	144	144	192	244
	SEER		8.5	8.5	8.5	8.5	7.7	7.2
		Energy efficiency class	A+++	A+++	A+++	A+++	A++	A++
Heating (Warmer Season)	Design load	kW	1.3 (2°C)	1.3 (2°C)	1.6 (2°C)	1.6 (2°C)	2.1 (2°C)	2.3 (2°C)
	Declared Capacity	at reference design temperature	kW	1.3 (2°C)	1.3 (2°C)	1.6 (2°C)	1.6 (2°C)	2.1 (2°C)
		at bivalent temperature	kW	1.3 (2°C)	1.3 (2°C)	1.6 (2°C)	1.6 (2°C)	2.1 (2°C)
		at operation limit temperature	kW	2.0 (-15°C)	1.6 (-20°C)	2.4 (-15°C)	1.7 (-20°C)	3.4 (-15°C)
	Back up heating capacity	kW	0.0 (2°C)	0.0 (2°C)	0.0 (2°C)	0.0 (2°C)	0.0 (2°C)	0.0 (2°C)
	Annual electricity consumption ⁽²⁾	kWh/a	304	304	396	396	491	557
	SCOP		6.0	6.0	5.7	5.7	6.0	5.8
		Energy efficiency class	A+++	A+++	A+++	A+++	A+++	A+++

Type			Inverter Heat Pump							
Indoor Unit			MSZ-SF25VE2		MSZ-SF35VE2		MSZ-SF42VE2		MSZ-SF50VE2	
Outdoor Unit			MUZ-SF25VE	MUZ-SF25VEH	MUZ-SF35VE	MUZ-SF35VEH	MUZ-SF42VE	MUZ-SF42VEH	MUZ-SF50VE	MUZ-SF50VEH
Refrigerant			R410A ⁽¹⁾							
Cooling	Design load	kW	2.5	2.5	3.5	3.5	4.2	4.2	5.0	5.0
	Annual electricity consumption ⁽²⁾	kWh/a	116	116	171	171	196	196	246	246
	SEER		7.6	7.6	7.2	7.2	7.5	7.5	7.2	7.2
		Energy efficiency class	A++	A++	A++	A++	A++	A++	A++	A++
Heating (Warmer Season)	Design load	kW	1.3 (2°C)	1.3 (2°C)	1.6 (2°C)	1.6 (2°C)	2.1 (2°C)	2.1 (2°C)	2.3 (2°C)	2.3 (2°C)
	Declared Capacity	at reference design temperature	kW	1.3 (2°C)	1.3 (2°C)	1.6 (2°C)	1.6 (2°C)	2.1 (2°C)	2.1 (2°C)	2.3 (2°C)
		at bivalent temperature	kW	1.3 (2°C)	1.3 (2°C)	1.6 (2°C)	1.6 (2°C)	2.1 (2°C)	2.1 (2°C)	2.3 (2°C)
		at operation limit temperature	kW	2.0 (-15°C)	1.6 (-20°C)	2.2 (-15°C)	1.6 (-20°C)	3.4 (-15°C)	2.2 (-20°C)	3.4 (-15°C)
	Back up heating capacity	kW	0.0 (2°C)	0.0 (2°C)	0.0 (2°C)	0.0 (2°C)	0.0 (2°C)	0.0 (2°C)	0.0 (2°C)	0.0 (2°C)
	Annual electricity consumption ⁽²⁾	kWh/a	337	337	923 / 418	417	507	507	563	563
	SCOP		5.4	5.4	5.4	5.4	5.8	5.8	5.7	5.7
		Energy efficiency class	A+++	A+++	A+++	A+++	A+++	A+++	A+++	A+++

Type			Inverter Heat Pump	
Indoor Unit			MSZ-GF60VE	MSZ-GF71VE
Outdoor Unit			MUZ-GF60VE	MUZ-GF71VE
Refrigerant			R410A ⁽¹⁾	
Cooling	Design load	kW	6.1	7.1
	Annual electricity consumption ⁽²⁾	kWh/a	311	364
	SEER		6.8	6.8
		Energy efficiency class	A++	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)	0.0 (2°C)
	Annual electricity consumption ⁽²⁾	kWh/a	664	963
	SCOP ⁽²⁾		5.3	5.4
		Energy efficiency class	A+++	A+++

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

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

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

Specification on Warmer Condition

Type			Inverter Heat Pump					
Model	Indoor		MFZ-KJ25VE		MFZ-KJ35VE		MFZ-KJ50VE	
	Outdoor		MUFZ-KJ25VE	MUFZ-KJ25VEHZ	MUFZ-KJ35VE	MUFZ-KJ35VEHZ	MUFZ-KJ50VE	MUFZ-KJ50VEHZ
Sound power levels on cooling mode		dB	49	49	50	50	56	56
		dB	59	59	60	60	63	63
Refrigerant			R410A GWP 1975 ^(*)					
Cooling	SEER		8.5	8.5	8.1	8.1	6.5	6.5
	Energy efficiency class		A+++	A+++	A++	A++	A++	A++
	Annual electricity consumption ^(**)		kWh/a	102	150	150	266	266
	Design load		kW	2.5	3.5	3.5	5.0	5.0
Heating (Average season/ Warmer season)	SCOP		4.5/5.1	4.4/5.4	4.4/5.3	4.3/5.4	4.3/5.8	4.2/5.7
	Energy efficiency class		A+/A+++	A+/A+++	A+/A+++	A+/A+++	A+/A+++	A+/A+++
	Annual electricity consumption ^(**)		kWh/a	1059/511	1104/490	1110/499	1158/510	1408/579
	Design load		kW	3.4 (-10°C)/1.9 (2°C)	3.5 (-10°C)/1.9 (2°C)	3.5 (-10°C)/1.9 (2°C)	3.8 (-10°C)/2.0 (2°C)	4.4 (-10°C)/2.4 (2°C)
	Declared Capacity	at reference design temperature	kW	3.4 (-10°C)/1.9 (2°C)	3.5 (-10°C)/1.9 (2°C)	3.5 (-10°C)/1.9 (2°C)	3.8 (-10°C)/2.0 (2°C)	4.4 (-10°C)/2.4 (2°C)
		at bivalent temperature	kW	3.4 (-10°C)/1.9 (2°C)	3.5 (-10°C)/1.9 (2°C)	3.5 (-10°C)/1.9 (2°C)	3.8 (-10°C)/2.0 (2°C)	4.4 (-10°C)/2.4 (2°C)
		at operation limit temperature	kW	2.4 (-15°C)/2.4 (-15°C)	1.8 (-25°C)/1.6 (-25°C)	2.9 (-15°C)/2.9 (-15°C)	2.3 (-25°C)/2.3 (-25°C)	6.0 (-15°C)/6.0 (-15°C)
	Back up heating capacity		kW	0.0 (-10°C)/0.0 (2°C)	0.0 (-10°C)/0.0 (2°C)	0.0 (-10°C)/0.0 (2°C)	0.0 (-10°C)/0.0 (2°C)	0.0 (-10°C)/0.0 (2°C)

Type			Inverter Heat Pump					
Model	Indoor		MSZ-FH25VE		MSZ-FH35VE		MSZ-FH50VE	
	Outdoor		MUZ-FH25VE	MUZ-FH25VEHZ	MUZ-FH35VE	MUZ-FH35VEHZ	MUZ-FH50VE	MUZ-FH50VEHZ
Sound power levels on cooling mode		dB	58	58	58	58	60	60
		dB	60	60	61	61	64	64
Refrigerant			R410A GWP 1975 ^(*)					
Cooling	SEER		9.1	9.1	8.9	8.9	7.2	7.2
	Energy efficiency class		A+++	A+++	A+++	A+++	A++	A++
	Annual electricity consumption ^(**)		kWh/a	96	138	138	244	244
	Design load		kW	2.5	3.5	3.5	5.0	5.0
Heating (Average season/ Warmer season)	SCOP		5.1/6.3	4.9/6.3	5.1/6.5	4.8/6.5	4.6/5.7	4.2/5.9
	Energy efficiency class		A+++/A+++	A+++/A+++	A+++/A+++	A+++/A+++	A+++/A+++	A+++/A+++
	Annual electricity consumption ^(**)		kWh/a	819/376	924/397	986/429	1173/471	1372/614
	Design load		kW	3.0 (-10°C)/1.7 (2°C)	3.2 (-10°C)/1.8 (2°C)	3.6 (-10°C)/2.0 (2°C)	4.0 (-10°C)/2.2 (2°C)	4.5 (-10°C)/2.5 (2°C)
	Declared Capacity	at reference design temperature	kW	3.0 (-10°C)/1.7 (2°C)	3.2 (-10°C)/1.8 (2°C)	3.6 (-10°C)/2.0 (2°C)	4.0 (-10°C)/2.2 (2°C)	4.5 (-10°C)/2.5 (2°C)
		at bivalent temperature	kW	3.0 (-10°C)/1.7 (2°C)	3.2 (-10°C)/1.8 (2°C)	3.6 (-10°C)/2.0 (2°C)	4.0 (-10°C)/2.2 (2°C)	4.5 (-10°C)/2.5 (2°C)
		at operation limit temperature	kW	2.5 (-15°C)/2.5 (-15°C)	1.7 (-25°C)/1.7 (-25°C)	3.2 (-15°C)/3.2 (-15°C)	2.6 (-25°C)/2.6 (-25°C)	5.2 (-15°C)/5.2 (-15°C)
	Back up heating capacity		kW	0.0 (-10°C)/0.0 (2°C)	0.0 (-10°C)/0.0 (2°C)	0.0 (-10°C)/0.0 (2°C)	0.0 (-10°C)/0.0 (2°C)	0.0 (-10°C)/0.0 (2°C)

Type			Inverter Heat Pump					
Model	Indoor		MSZ-EF25VE		MSZ-EF35VE		MSZ-EF42VE	
	Outdoor		MUZ-EF25VE	MUZ-EF25VEHZ	MUZ-EF35VE	MUZ-EF35VEHZ	MUZ-EF42VE	MUZ-EF50VE
Sound power levels on cooling mode		dB	60	60	60	60	60	60
		dB	58	58	61	61	62	65
Refrigerant			R410A GWP 1975 ^(*)					
Cooling	SEER		8.5	8.5	8.5	8.5	7.7	7.2
	Energy efficiency class		A+++	A+++	A+++	A+++	A++	A++
	Annual electricity consumption ^(**)		kWh/a	103	144	144	192	244
	Design load		kW	2.5	3.5	3.5	4.2	5.0
Heating (Average season/ Warmer season)	SCOP		4.7/6.0	4.6/6.0	4.6/5.7	4.5/5.7	4.6/6.0	4.5/5.8
	Energy efficiency class		A++/A+++	A++/A+++	A++/A+++	A++/A+++	A++/A+++	A++/A+++
	Annual electricity consumption ^(**)		kWh/a	716/304	730/304	882/396	910/396	1155/491
	Design load		kW	2.4 (-10°C)/1.3 (2°C)	2.4 (-10°C)/1.3 (2°C)	2.9 (-10°C)/1.6 (2°C)	2.9 (-10°C)/1.6 (2°C)	3.8 (-10°C)/2.1 (2°C)
	Declared Capacity	at reference design temperature	kW	2.4 (-10°C)/1.3 (2°C)	2.4 (-10°C)/1.3 (2°C)	2.9 (-10°C)/1.6 (2°C)	2.9 (-10°C)/1.6 (2°C)	3.8 (-10°C)/2.1 (2°C)
		at bivalent temperature	kW	2.4 (-10°C)/1.3 (2°C)	2.4 (-10°C)/1.3 (2°C)	2.9 (-10°C)/1.6 (2°C)	2.9 (-10°C)/1.6 (2°C)	3.8 (-10°C)/2.1 (2°C)
		at operation limit temperature	kW	2.0 (-15°C)/2.0 (-15°C)	1.8 (-20°C)/1.8 (-20°C)	2.4 (-15°C)/2.4 (-15°C)	1.7 (-20°C)/1.7 (-20°C)	3.4 (-15°C)/3.4 (-15°C)
	Back up heating capacity		kW	0.0 (-10°C)/0.0 (2°C)	0.0 (-10°C)/0.0 (2°C)	0.0 (-10°C)/0.0 (2°C)	0.0 (-10°C)/0.0 (2°C)	0.0 (-10°C)/0.0 (2°C)

Type			Inverter Heat Pump					
Model	Indoor		MSZ-SF25VE2		MSZ-SF35VE2		MSZ-SF42VE2	
	Outdoor		MUZ-SF25VE	MUZ-SF25VEHZ	MUZ-SF35VE	MUZ-SF35VEHZ	MUZ-SF42VE	MUZ-SF42VEHZ
Sound power levels on cooling mode		dB	57	57	57	57	57	58
		dB	58	58	62	62	63	65
Refrigerant			R410A GWP 1975 ^(*)					
Cooling	SEER		7.6	7.6	7.2	7.2	7.5	7.2
	Energy efficiency class		A++	A++	A++	A++	A++	A++
	Annual electricity consumption ^(**)		kWh/a	116	171	171	196	246
	Design load		kW	2.5	3.5	3.5	4.2	5.0
Heating (Average season/ Warmer season)	SCOP		4.4/5.4	4.3/5.4	4.4/5.4	4.3/5.4	4.4/5.8	4.3/5.7
	Energy efficiency class		A+/A+++	A+/A+++	A+/A+++	A+/A+++	A+/A+++	A+/A+++
	Annual electricity consumption ^(**)		kWh/a	764/337	790/337	923/418	948/417	1215/507
	Design load		kW	2.4 (-10°C)/1.3 (2°C)	2.4 (-10°C)/1.3 (2°C)	2.9 (-10°C)/1.6 (2°C)	2.9 (-10°C)/1.6 (2°C)	3.8 (-10°C)/2.1 (2°C)
	Declared Capacity	at reference design temperature	kW	2.4 (-10°C)/1.3 (2°C)	2.4 (-10°C)/1.3 (2°C)	2.9 (-10°C)/1.6 (2°C)	2.9 (-10°C)/1.6 (2°C)	3.8 (-10°C)/2.1 (2°C)
		at bivalent temperature	kW	2.4 (-10°C)/1.3 (2°C)	2.4 (-10°C)/1.3 (2°C)	2.9 (-10°C)/1.6 (2°C)	2.9 (-10°C)/1.6 (2°C)	3.8 (-10°C)/2.1 (2°C)
		at operation limit temperature	kW	2.0 (-15°C)/2.0 (-15°C)	1.8 (-20°C)/1.8 (-20°C)	2.2 (-15°C)/2.2 (-15°C)	1.8 (-20°C)/1.8 (-20°C)	3.4 (-15°C)/3.4 (-15°C)
	Back up heating capacity		kW	0.0 (-10°C)/0.0 (2°C)	0.0 (-10°C)/0.0 (2°C)	0.0 (-10°C)/0.0 (2°C)	0.0 (-10°C)/0.0 (2°C)	0.0 (-10°C)/0.0 (2°C)

Type			Inverter Heat Pump									
Model	Indoor		MSZ-GF60VE	MSZ-GF71VE	MSZ-HJ25VA	MSZ-HJ35VA	MSZ-HJ50VA	MSZ-HJ60VA	MSZ-HJ71VA	MSZ-DM25VA	MSZ-DM35VA	
	Outdoor		MUZ-GF60VE	MUZ-GF71VE	MUZ-HJ25VA	MUZ-HJ35VA	MUZ-HJ50VA	MUZ-HJ60VA	MUZ-HJ71VA	MUZ-DM25VA	MUZ-DM35VA	
Sound power levels on cooling mode	Inside	dB	65	65	57	60	60	65	65	57	60	
	Outside	dB	65	65	63	64	64	65	66	63	64	
Refrigerant			R410A GWP 1975 ^(*)						R410A GWP 1975 ^(*)			
Cooling	SEER		6.8	6.8	5.1	5.1	6.0	6.0	5.6	5.8	5.7	
	Energy efficiency class		A++	A++	A	A	A+	A+	A+	A+	A+	
	Annual electricity consumption ^(*)		kWh/a	311	364	171	212	292	354	441	149	190
	Design load		kW	6.1	7.1	2.5	3.1	5.0	6.1	7.1	2.5	3.1
Heating (Average season/ Warmer season)	SCOP		4.3/5.3	4.2/5.4	3.8/4.3	3.8/4.3	4.2/5.5	4.1/5.1	4.0/4.9	4.1/4.7	4.1/4.7	
	Energy efficiency class		A+/A+++	A+/A+++	A/A+	A/A+	A+/A+++	A+/A+++	A+/A+++	A+/A+	A+/A+	
	Annual electricity consumption ^(*)		kWh/a	1489/664	2204/963	698/356	885/426	1267/539	1544/674	1854/813	647/325	809/386
	Design load		kW	4.8 (-10°C)/2.5 (2°C)	6.7 (-10°C)/3.7 (2°C)	1.9 (-10°C)/1.1 (2°C)	2.4 (-10°C)/1.3 (2°C)	3.8 (-10°C)/2.1 (2°C)	4.6 (-10°C)/2.5 (2°C)	5.4 (-10°C)/2.9 (2°C)	1.9 (-10°C)/1.1 (2°C)	2.4 (-10°C)/1.3 (2°C)
Declared Capacity	at reference design temperature		kW	4.8 (-10°C)/2.5 (2°C)	6.7 (-10°C)/3.7 (2°C)	1.9 (-10°C)/1.1 (2°C)	2.4 (-10°C)/1.3 (2°C)	3.8 (-10°C)/2.1 (2°C)	4.6 (-10°C)/2.5 (2°C)	5.4 (-10°C)/2.9 (2°C)	1.9 (-10°C)/1.1 (2°C)	2.4 (-10°C)/1.3 (2°C)
	at bivalent temperature		kW	4.8 (-10°C)/1.1 (2°C)	6.7 (-10°C)/1.1 (2°C)	1.9 (-10°C)/1.1 (2°C)	2.4 (-10°C)/1.3 (2°C)	3.8 (-10°C)/2.1 (2°C)	4.6 (-10°C)/2.5 (2°C)	5.4 (-10°C)/2.9 (2°C)	1.9 (-10°C)/1.1 (2°C)	2.4 (-10°C)/1.3 (2°C)
	at operation limit temperature		kW	3.7 (-15°C)/3.7 (-15°C)	5.4 (-15°C)/5.4 (-15°C)	1.9 (-10°C)/1.9 (-10°C)	2.4 (-10°C)/2.4 (-10°C)	3.8 (-10°C)/3.8 (-10°C)	4.6 (-10°C)/4.6 (-10°C)	5.4 (-10°C)/5.4 (-10°C)	1.9 (-10°C)/1.9 (-10°C)	2.4 (-10°C)/2.4 (-10°C)
Back up heating capacity			kW	0.0 (-10°C)/0.0 (2°C)	0.0 (-10°C)/0.0 (2°C)	0.0 (-10°C)/0.0 (2°C)	0.0 (-10°C)/0.0 (2°C)	0.0 (-10°C)/0.0 (2°C)	0.0 (-10°C)/0.0 (2°C)	0.0 (-10°C)/0.0 (2°C)	0.0 (-10°C)/0.0 (2°C)	

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

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

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 data-bbox="284 546 715 788">  </div> <div data-bbox="730 492 778 577">  </div> <p>Units without Remote Controller</p> <p>SLZ-KF25VA2 SLZ-KF35VA2 SLZ-KF50VA2 SLZ-KF60VA2</p> <p>Grilles</p> <p>SLP-2FA (only panel) SLP-2FAL (with signal receiver) SLP-2FAE (with 3D i-see Sensor) SLP-2FALE (with 3D i-see Sensor and signal receiver) SLP-2FALM (with signal receiver and wireless remote controller) SLP-2FALME (with signal receiver, 3D i-see Sensor and wireless remote controller)</p>	<div data-bbox="896 537 1315 797">  </div> <p>Units without Remote Controller</p> <p>SEZ-KD25VAQ SEZ-KD35VAQ SEZ-KD50VAQ SEZ-KD60VAQ SEZ-KD71VAQ</p> <p>Units with Wireless Remote Controller</p> <p>SEZ-KD25VAL SEZ-KD35VAL SEZ-KD50VAL SEZ-KD60VAL SEZ-KD71VAL</p>

STEP 2	SELECT OUTDOOR UNIT
There is one outdoor unit for respective indoor units.	
<div data-bbox="405 1778 673 1980">  </div> <p>SUZ-KA25/35VA5</p>	<div data-bbox="909 1693 1193 1993">  </div> <p>SUZ-KA50/60/71VA5</p>

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

SLZ SERIES

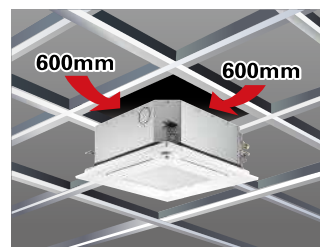
SLZ-KF25/35/50/60VA2

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

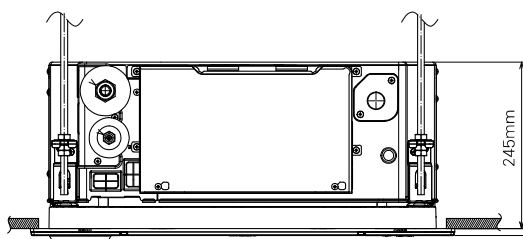


New design

The straight-line form introduced has resulted in a beautiful square design. Its high affinity ensures the ability to blend in seamlessly with any interior. The indoor unit is an ideal match for office or store use. Of course, design matched 2x2 (600mm*600mm) ceiling construction specifications.



The height above ceiling of 245mm



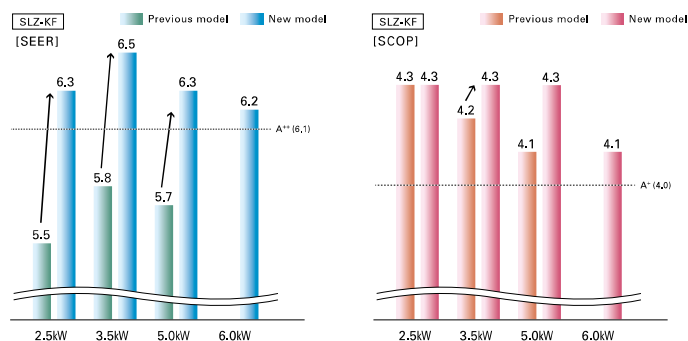
The height above ceiling of 245mm enables fitting into narrow ceiling space. Installation is simple, even when the ceiling spaces are narrow to make the ceilings higher. Of course, in addition to our products, replacing competitors' product is simplified too.

Lineup

	25	35	50	60
SLZ-KA	●	●	●	
	↓			
SLZ-KF	●	●	●	●

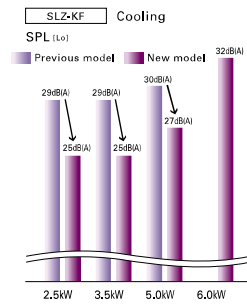
6.0kW has been introduced to expand the lineup. The diverse selection enables the best solution for both customer and location.

Energy-saving Performance



The energy-saving performance increased approximately 10%, achieving a SEER rating of A++.

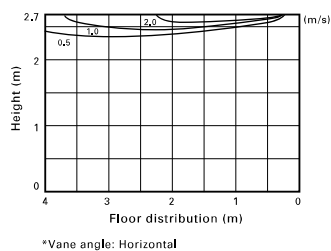
Quietness



The sound level has been reduced by 2-4dB thanks to the introduction of a 3D turbo fan, for quieter and more comfortable air conditioning.

Horizontal Airflow

[Airflow distribution]*
SLZ-KF60VA2.TH
Flow angle, cooling at 20°C (ceiling height 2.7m)



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.

Easy installation

Temporary hanging hook

The structure of the panel has been revised and is now equipped with a temporary hanging hook. This has improved work efficiency during temporary panel installation.



No need to remove screws

Installation is possible without removing the screws for control box simply loosen them. This eliminates the risk of losing screws.

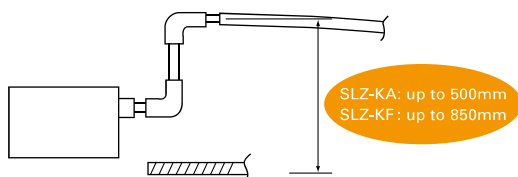
■ Corner panel



■ Control box cover



Drain lift



As the result of using a larger drain pan, the maximum drain lifting height has been increased from 500mm to 850mm, greatly enhancing construction flexibility compared to the existing model.

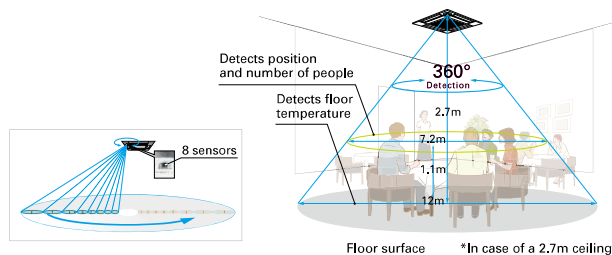
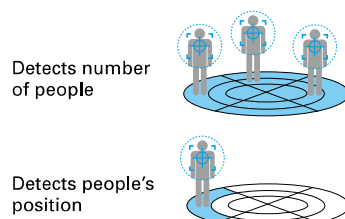
3D i-see Sensor for S SERIES

Detects number of people

3D i-see Sensor detects the number of people in the room and sets the air-conditioning power accordingly. This makes automatic power-saving operation possible in places where the number of people entering and exiting is large. Additionally, when the area is continuously unoccupied, the system switches to a more enhanced power-saving mode. Depending on the setting, it will save additional capacity or stop operation altogether.

Detects people's position

Once the position of a person is detected, the duct angle of the vane is automatically adjusted in that direction. Each vane can be independently set to "block wind" or "not block wind" according to taste.



Detects number of people

Room occupancy energy-saving mode

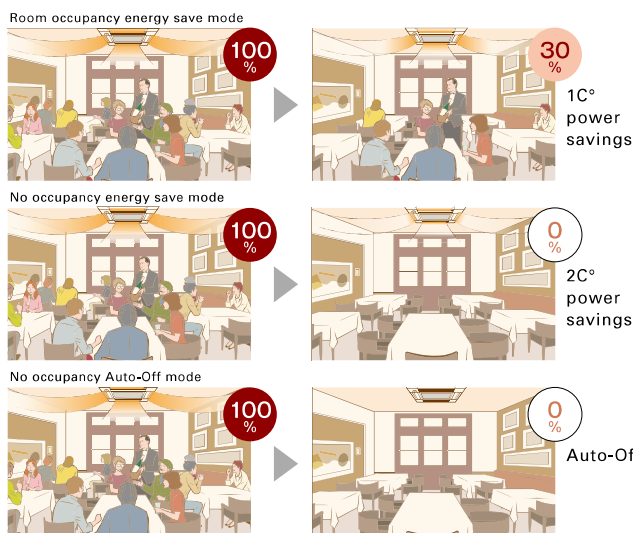
The 3D i-see Sensor detects the number of people in the room. It then calculates the occupancy rate based on the maximum number of people in the room up to that point in time in order to save air-conditioning power. When the occupancy rate is approximately 30%, air-conditioning power equivalent to 1°C during both cooling and heating operation is saved. The temperature is controlled according to the number of people.

No occupancy energy-saving mode

When 3D i-see Sensor detects that no one is in the room, the system is switched to a pre-set power-saving mode. If the room remains unoccupied for more than 60min, air-conditioning power equivalent to 2°C during both cooling and heating operation is saved. This contributes to preventing waste in terms of heating and cooling.

No occupancy Auto-OFF mode

When the room remains unoccupied for a pre-set period of time, the air conditioner turns off automatically, thereby providing even greater power savings. The time until operation is stopped can be set in intervals of 10min, ranging from 60 to 180 min.

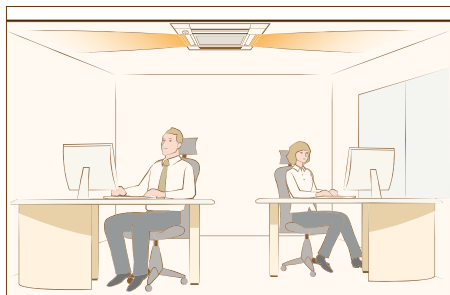


*PAR-32MAA is required for each setting

Detects people's position

Direct/Indirect settings*

Some people do not like the feel of wind, some want to be warm from head to toe. People's likes and dislikes vary. With the 3D i-see Sensor, it is possible to choose to block or not block the wind for each vane.



*PAR-32MAA is required for each setting.

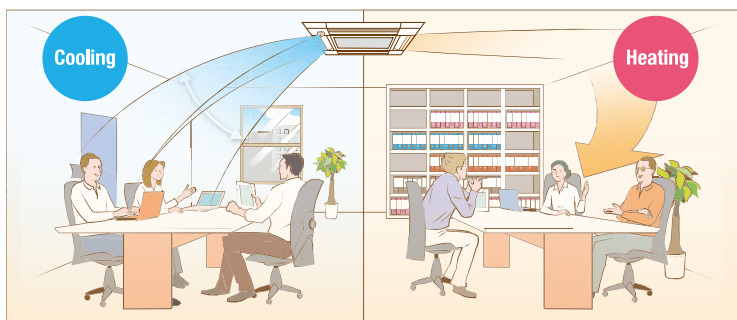
Seasonal airflow*

<When cooling>

Saves energy while keeping a comfortable effective temperature by automatically switching between ventilation and cooling. When a pre-set temperature is reached, the air conditioning unit switches to swing fan operation to maintain the effective temperature. This clever function contributes to keeping a comfortable coolness.

<When heating>

The air conditioning unit automatically switches between circulator and heating. Wasted heat that accumulates near the ceiling is reused via circulation. When a pre-set temperature is reached the air conditioner switches from heating to circulator and blows air in the horizontal direction. It pushes down the warm air that has gathered near the ceiling to people's height, thereby providing smart heating.



*PAR-32MAA is required for each setting.

SLZ-KF SERIES



Indoor Unit



SLZ-KF25/35/50/60VA2



Grilles

- SLP-2FA (only panel)
- SLP-2FAL (with signal receiver)
- SLP-2FAE (with 3D i-see Sensor)
- SLP-2FALE (with signal receiver and 3D i-see Sensor)
- SLP-2FALM (with signal receiver and wireless remote controller)
- SLP-2FALME (with signal receiver, 3D i-see Sensor and wireless remote controller)

Outdoor Unit



SUZ-KA25/35VA5



SUZ-KA50/60VA5

Remote Controller



Enclosed in
SLP-2FALM/SLP-2FALME



*optional



*optional



Type			Inverter Heat Pump			
Indoor Unit			SLZ-KF25VA2	SLZ-KF35VA2	SLZ-KF50VA2	SLZ-KF60VA2
Outdoor Unit			SUZ-KA25VA5	SUZ-KA35VA5	SUZ-KA50VA5	SUZ-KA60VA5
Refrigerant			R410A*1			
Power Supply	Source		Outdoor power supply			
	Outdoor (V/Phase/Hz)		230 / Single / 50			
Cooling	Capacity	Rated	kW	2,6	3,5	4,6
		Min - Max	kW	1,5 - 3,2	1,4 - 3,9	2,3 - 5,2
	Total Input	Rated	kW	0,684	0,972	1,394
	Design Load		kW	2,6	3,5	4,6
	Annual Electricity Consumption*2		kWh/a	144	188	256
	SEER			6,3	6,5	6,3
	Energy Efficiency Class			A++	A++	A++
	Capacity	Rated	kW	3,2	4,0	5,0
		Min - Max	kW	1,3 - 4,2	1,7 - 5,0	1,7 - 6,0
	Total Input	Rated	kW	0,886	1,108	1,558
Heating (Average Season)	Design Load		kW	2,2	2,6	3,6
	Declared Capacity	at reference design temperature	kW	2,0 (-10°C)	2,3 (-10°C)	3,2 (-10°C)
		at bivalent temperature	kW	2,0 (-7°C)	2,3 (-7°C)	3,2 (-7°C)
		at operation limit temperature	kW	2,0 (-10°C)	2,3 (-10°C)	3,2 (-10°C)
	Back Up Heating Capacity		kW	0,2	0,3	0,4
	Annual Electricity Consumption*2		kWh/a	716	845	1172
	SCOP			4,3	4,3	4,3
	Energy Efficiency Class			A+	A+	A+
	Operating Current (max)		A	7,2	8,4	12,3
	Input	Rated	kW	0,02	0,02	0,03
Indoor Unit	Operating Current (max)		A	0,20	0,24	0,32
	Dimensions <Panel>	H x W x D	mm	245-570-570 <10-625-625>	245-570-570 <10-625-625>	245-570-570 <10-625-625>
	Weight <Panel>		kg	15 <3>	15 <3>	15 <3>
	Air Volume [Lo-Mid-Hi]		m³/min	6,5 - 7,5 - 8,5	6,5 - 8,0 - 9,5	7,0 - 9,0 - 11,5
	Sound Level (SPL) [Lo-Mid-Hi]		dB(A)	25 - 28 - 31	25 - 30 - 34	27 - 34 - 39
	Sound Level (PWL)		dB(A)	48	51	56
	Sound Level (SPL)		dB(A)	47	49	52
Outdoor Unit	Dimensions	H x W x D	mm	550 - 800 - 285	550 - 800 - 285	880 - 840 - 330
	Weight		kg	30	35	54
	Air Volume	Cooling	m³/min	32,6	36,3	44,6
		Heating	m³/min	34,7	34,8	44,6
	Sound Level (SPL)	Cooling	dB(A)	47	49	52
		Heating	dB(A)	48	50	52
	Sound Level (PWL)	Cooling	dB(A)	58	62	65
Ext. Piping	Operating Current (max)		A	7,0	8,2	12,0
	Breaker Size		A	10	10	20
	Diameter	Liquid / Gas	mm	6,35 / 9,52	6,35 / 9,52	6,35 / 12,7
	Max. Length	Out-In	m	20	20	30
	Max. Height	Out-In	m	12	12	30
Guaranteed Operating Range [Outdoor]			Cooling	-10 ~ +46	-10 ~ +46	-15 ~ +46
			Heating	-10 ~ +24	-10 ~ +24	-10 ~ +24

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

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

SEZ SERIES



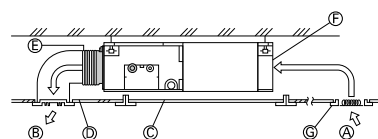
SEZ-KD25-71VAQ/VAL

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.



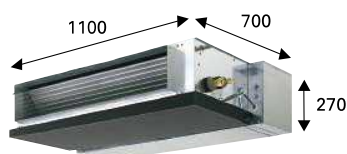
Compact Ceiling-concealed Units

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

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
---------------	---------------

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	30 Pa	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-KA25/35VA5



SUZ-KA50/60/71VA5

Remote Controller



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



*optional
(for SEZ-KD VAQ)



*optional
(for SEZ-KD VAQ)



Type			Inverter Heat Pump				
Indoor Unit			SEZ-KD25VAQ/VAL	SEZ-KD35VAQ/VAL	SEZ-KD50VAQ/VAL	SEZ-KD60VAQ/VAL	SEZ-KD71VAQ/VAL
Outdoor Unit			SUZ-KA25VA5	SUZ-KA35VA5	SUZ-KA50VA5	SUZ-KA60VA5	SUZ-KA71VA5
Refrigerant			R410A*				
Power Supply	Source		Outdoor power supply				
	Outdoor (V/Phase/Hz)		230 / Single / 50				
Cooling	Capacity	Rated	kW	2.5	3.5	5.1	7.1
		Min - Max	kW	1.5 - 3.2	1.4 - 3.9	2.3 - 5.6	2.8 - 8.3
	Total Input	Rated	kW	0.730	1.010	1.580	2.210
	Design Load		kW	2.5	3.5	5.1	7.1
	Annual Electricity Consumption*2		kWh/a	168	219	313	477
	SEER*3			5.2	5.6	5.7	5.2
		Energy Efficiency Class		A	A+	A+	A
	Capacity	Rated	kW	2.9	4.2	6.4	8.1
		Min - Max	kW	1.3 - 4.5	1.7 - 5.0	1.7 - 7.2	2.5 - 8.0
	Total Input	Rated	kW	0.803	1.130	1.800	2.268
Heating (Average Season)	Design Load		kW	2.2	2.8	4.6	6.0
	Declared Capacity	at reference design temperature	kW	1.9 (-10°C)	2.5 (-10°C)	4.1 (-10°C)	4.5 (-10°C)
		at bivalent temperature	kW	1.9 (-7°C)	2.5 (-7°C)	4.1 (-7°C)	4.8 (-7°C)
		at operation limit temperature	kW	1.9 (-10°C)	2.5 (-10°C)	4.1 (-10°C)	4.5 (-10°C)
	Back Up Heating Capacity		kW	0.3	0.3	0.5	0.7
	Annual Electricity Consumption*2		kWh/a	808	979	1653	1878
	SCOP*3			3.8	4.0	3.9	4.1
		Energy Efficiency Class		A	A+	A	A+
	Operating Current (max)		A	7.4	8.7	12.7	14.7
	Input	Rated	kW	0.040	0.050	0.070	0.100
Indoor Unit	Operating Current (max)		A	0.4	0.5	0.7	0.9
	Dimensions <Panel>	H x W x D	mm	200 - 790 - 700	200 - 990 - 700	200 - 990 - 700	200 - 1190 - 700
	Weight <Panel>		kg	18	21	23	27
	Air Volume [Lo-Mid-Hi]		m³/min	6 - 7 - 9	7 - 9 - 11	10 - 13 - 15	12 - 15 - 18
	External Static Pressure		Pa	5 / 15 / 35 / 50	5 / 15 / 35 / 50	5 / 15 / 35 / 50	5 / 15 / 35 / 50
	Sound Level (SPL) [Lo-Mid-Hi]		dB(A)	22 - 25 - 29	23 - 28 - 33	29 - 33 - 37	29 - 34 - 39
	Sound Level (PWL)		dB(A)	50	53	57	58
	Sound Level (PWL)		dB(A)	50	53	57	58
Outdoor Unit	Dimensions	H x W x D	mm	550 - 800 - 285	550 - 800 - 285	880 - 840 - 330	880 - 840 - 330
	Weight		kg	30	35	54	53
	Air Volume	Cooling	m³/min	32.6	36.3	44.6	50.1
		Heating	m³/min	34.7	34.8	44.6	48.2
	Sound Level (SPL)	Cooling	dB(A)	47	49	52	55
		Heating	dB(A)	48	50	52	55
	Sound Level (PWL)	Cooling	dB(A)	58	62	65	69
	Operating Current (max)		A	7.0	8.2	12.0	14.0
Ext. Piping	Breaker Size		A	10	10	20	20
	Diameter	Liquid / Gas	mm	6.35 / 9.52	6.35 / 9.52	6.35 / 12.7	6.35 / 15.88
	Max. Length	Out-In	m	20	20	30	30
	Max. Height	Out-In	m	12	12	30	30
Guaranteed Operating Range [Outdoor]	Cooling	°C		-10 ~ +46	-10 ~ +46	-15 ~ +46	-15 ~ +46
		°C		-10 ~ +24	-10 ~ +24	-10 ~ +24	-10 ~ +24

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

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

*3 SEER/SCOP are measured at ESP 35Pa.