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

MSZ-F SERIES

GOOD DESIGN

DC Inverter | Super energy-saving | 25/35 SEER A+++ 25/35 SCOP A+++ | 25/35 Ultra-quiet | Cooling Heating | MXZ connection

MSZ-E SERIES

GOOD DESIGN

DC Inverter | 25/35 SEER A+++ 25/35 SCOP A++ | Cooling Heating | MXZ connection

MSZ-S SERIES

GOOD DESIGN

DC Inverter | SEER A++ SCOP A+ | Cooling Heating | MXZ connection

MSZ-G SERIES

DC Inverter | SEER A++ SCOP A+ | Cooling Heating | MXZ connection

MSZ-H SERIES

MSZ-HJ60/71

MSZ-HJ25/35/50

DC Inverter | 50/60/71 SEER A+ 50/60/71 SCOP A+ | Cooling Heating | MXZ connection

Floor-standing

MFZ SERIES

GOOD DESIGN

DC Inverter | Cooling Heating | MXZ connection | 25 SEER A+++ SCOP A+

Cassette Units

MLZ SERIES

DC Inverter | Cooling Heating | MXZ connection | ✻ MXZ connection only

DC Inverter Inverter | Super energy-saving Super energy-saving | SEER A SCOP A Energy Rank | Ultra-quiet Ultra-quiet operation | Cooling Heating Cooling and heating operation

MXZ connection Compatible for connection to MXZ Series system ✻ To confirm compatibility with the MXZ Series multi-type system, refer to the MXZ Series page.

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

MUZ-FH25/35VEHZ
MUZ-EF25/35VEH
MUZ-SF25/35/42VEH
MUFZ-KJ25/35VEHZ

MUZ-FH50VEHZ
MUZ-SF50VEH
MUFZ-KJ50VEHZ

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.

霧ヶ峰
KIRIGAMINE

MSZ-F SERIES

MSZ-FH25/35/50VE

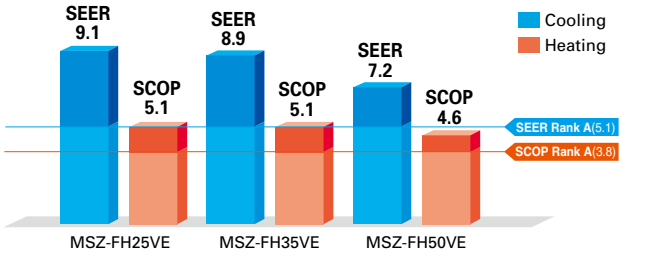
GOOD DESIGN

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

DC Inverter 25/35 SEER A+++ 25/35 SCOP A+++

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).

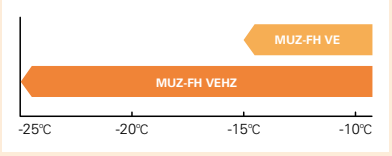


Hyper Heating

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.

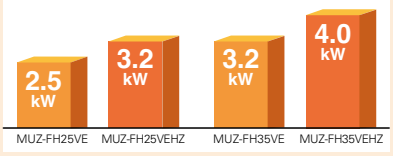
Operation Guaranteed at Outside Temperature of -25°C

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.



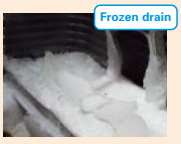
Rated Capacity Demonstrated at Outside Temperatures of -15°C

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.

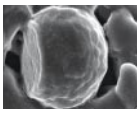
Plasma Quad

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

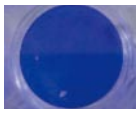
〈Test No.〉KRCES-Bio.Test Report No.23_0371

Viruses

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

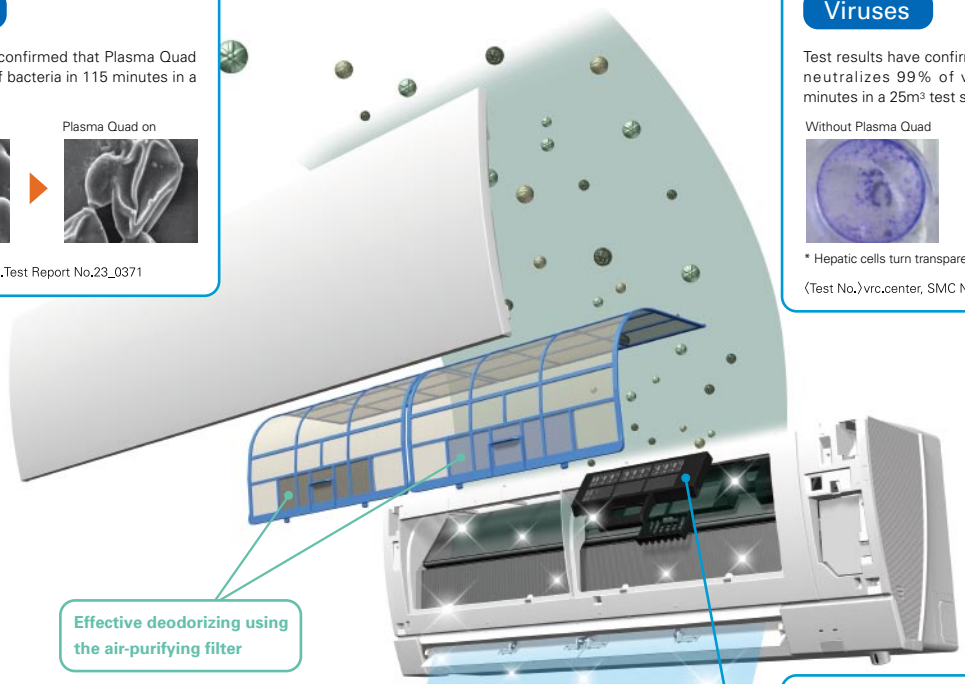
Without Plasma Quad

With Plasma Quad



* Hepatic cells turn transparent when affected by a virus.

〈Test No.〉vrc.center, SMC No.23-002



Effective deodorizing using the air-purifying filter

Allergens

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

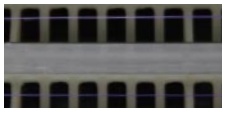
〈Test No.〉ITEA No.12M-RPTFEBO22

(Image)

Dust

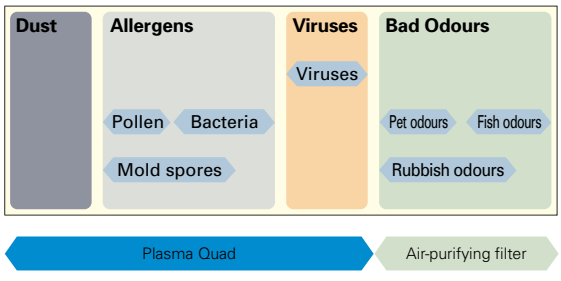
In a test, air containing dust and ticks was passed through the air cleaning device at the low airflow setting. Before and after measurements confirm that Plasma Quad removes 88.6% of dust and ticks.

〈Test No.〉ITEA No.12M-RPTFEBO22



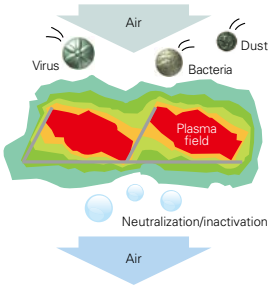
[Effective Range]

Macro ← Particulate size → Nano

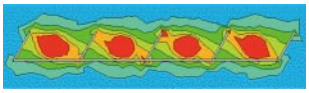


Principle of Plasma Quad

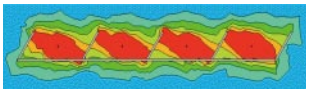
Plasma Quad attacks bacteria and viruses from inside the unit using a strong curtain-like electrical field and discharge of electric current across the whole inlet-air opening of the unit. Tungsten discharge electrodes are used as they provide both discharge capacity and strength. In addition, through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



Round:

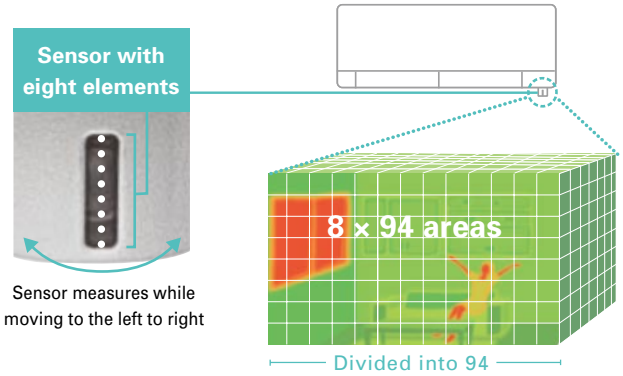


Flattened: a strong electrical field is produced.



3D i-see Sensor

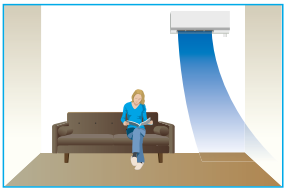
The FH Series is equipped with 3D i-see Sensor, an infrared-ray sensor that measures the temperature at distant positions. While moving to the left and right, eight vertically arranged sensor elements analyze the room temperature in three dimensions. This detailed analysis makes it possible to judge 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.



(Image)

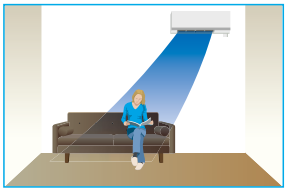
Indirect Airflow

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.



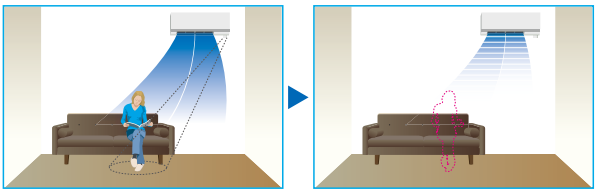
Direct Airflow

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

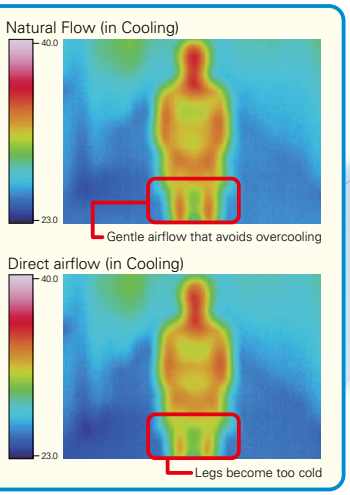
The sensors detect whether there are people in the room. When no-one is in the room, the unit automatically switches to energy-saving mode.

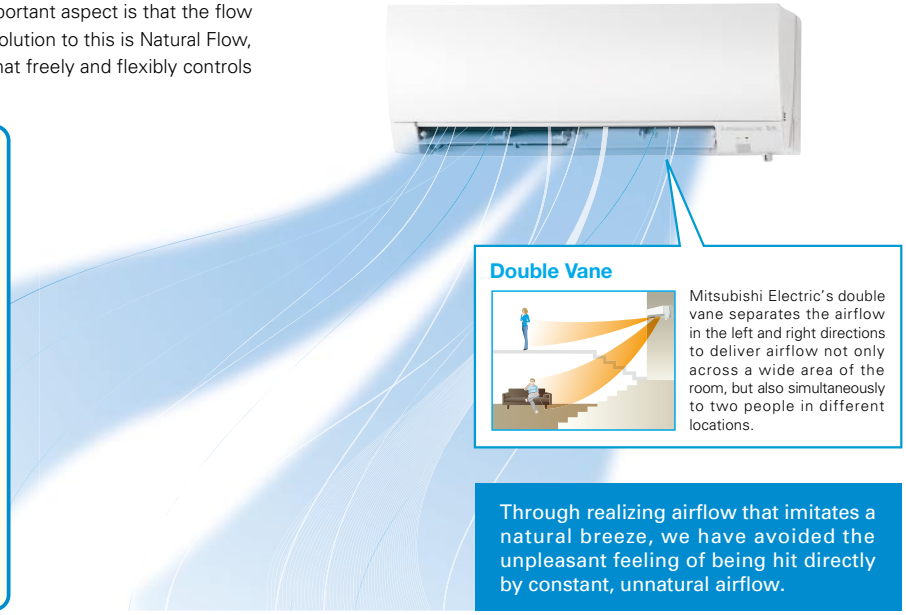


The "3D i-see Sensor" detects people's absence and the power consumption is automatically reduced approximately 10% after 10 minutes and 20% after 60 minutes.

Natural Flow

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.





Double Vane

Mitsubishi Electric's double vane separates the airflow in the left and right directions to deliver airflow not only across a wide area of the room, but also simultaneously to two people in different locations.

Through realizing airflow that imitates a natural breeze, we have avoided the unpleasant feeling of being hit directly by constant, unnatural airflow.

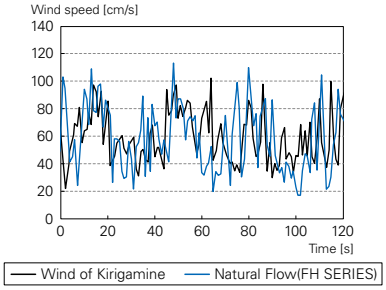
Base data for Natural Flow

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

EUROVENT CERTIFIED PERFORMANCE www.eurovent-certification.com

DC Inverter | Joint Lap | DC Fan Motor | PAM | Grooved Piping | SEER 25/35 A+++ | SCOP 25/35 A+++

Indoor Unit

GOOD DESIGN

MSZ-FH25/35/50VE

Outdoor Unit

MUZ-FH25/35VE

MUZ-FH50VE

Remote Controller

3D i-see Sensor | AREA | HUMAN | Econo Cool | Pure White | AUTO VANE | Plasma Quad | Electrostatic Anti-allergy | SWING HORIZONTAL | SWING VERTICAL | Natural Flow | AUTO | i save | Weekly Timer | ACO

Auto Restart | Low Temp Cooling | Optional | Group Control Optional | M-NET connection Optional | Wi-Fi Interface Optional | MXZ connection | Cleaning-free, pipe route | Flare connection | Self Diagnosis | Failure Recall

Type				Inverter Heat Pump		
Indoor Unit				MSZ-FH25VE	MSZ-FH35VE	MSZ-FH50VE
Outdoor Unit				MUZ-FH25VE	MUZ-FH35VE	MUZ-FH50VE
Refrigerant				R410A(*1)		
Power Supply	Source			Outdoor Power supply		
	Outdoor (V / Phase / Hz)			230/Single/50		
Cooling	Design load		kW	2.5	3.5	5.0
	Annual electricity consumption (*2)		kWh/a	96	138	244
	SEER (*4)			9.1	8.9	7.2
		Energy efficiency class		A+++	A+++	A++
	Capacity	Rated	kW	2.5	3.5	5.0
		Min-Max	kW	1.4-3.5	0.8-4.0	1.9-6.0
	Total Input	Rated	kW	0.485	0.820	1.380
Heating (Average Season)(*5)	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	10.0	14.0
Indoor Unit	Input	Rated	kW	0.029	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	305(+17)-925-234
	Weight		kg	13.5	13.5	13.5
	Air Volume (SLo-Lo-Mid-Hi-SHi(*3))(Dry/Wet)	Cooling	m^3/min	3.9-4.7-6.3-8.6-11.6	3.9-4.7-6.3-8.6-11.6	6.4-7.4-8.6-10.1-12.4
		Heating	m^3/min	4.0-4.7-6.4-9.2-13.2	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-SHi(*3))	Cooling	dB(A)	20-23-29-36-42	21-24-29-36-42	27-31-35-39-44
		Heating	dB(A)	20-24-29-36-44	21-24-29-36-44	25-29-34-39-46
	Sound Level (PWL)	Cooling	dB(A)	58	58	60
Outdoor Unit	Dimensions	H*W*D	mm	550-800-285	550-800-285	880-840-330
	Weight		kg	37	37	55
	Air Volume	Cooling	m^3/min	31.3	33.6	48.8
		Heating	m^3/min	31.3	33.6	51.3
	Sound Level (SPL)	Cooling	dB(A)	46	49	51
		Heating	dB(A)	49	50	54
	Sound Level (PWL)	Cooling	dB(A)	60	61	64
	Operating Current (Max)		A	9.6	9.6	13.6
	Breaker Size		A	9.2	10	16
Ext. Piping	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	15
Guaranteed Operating Range (Outdoor)		Cooling	℃	-10 ~ +46	-10 ~ +46	-10 ~ +46
		Heating	℃	-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 CO_2, over a period of 100 years. Never try to interfere with the refrigerant circuit yourself or disassemble the product yourself and always ask a professional.
(*2) Energy consumption based on standard test results.Actual energy consumption will depend on how the appliance is used and where it is located.
(*3) SHi: Super High
(*4) SEER, SCOP and other related description are based on COMMISSION DELEGATED REGULATION (EU) No.626/2011. The temperature conditions for calculating SCOP are based on "Average Season".
(*5) Please see page 47 for heating (warmer season) specifications.

KIRIGAMINE 禅 ZEN

MSZ-E SERIES

MSZ-EF18-50VE2B

GOOD DESIGN

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

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

DC Inverter

25-35 SEER A+++

25-42* SCOP A++

*except for VEH

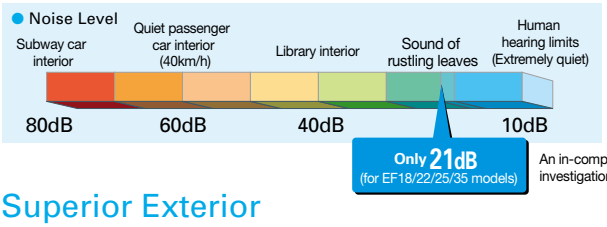
All models in the series have achieved high energy-savings rating, and are contributing to reduced energy consumption in homes, offices and a range of other settings. Offered in a variety of output capacities and installation patterns, the vast applicability promises an ideal match for any user.

Outdoor / Indoor	Rank A for single connection	Compatibility								
	MUZ-EF25/35VE(H) MUZ-EF42/50VE	MXZ								
		2D33VA	2D40VA	2D53VA	3D54VA	3D68VA	4D72VA	4D83VA	5D102VA	6C122VA
MSZ-EF18VE2	–	✓	✓	✓	✓	✓	✓	✓	✓	✓
MSZ-EF22VE2	–	✓	✓	✓	✓	✓	✓	✓	✓	✓
MSZ-EF25VE2	A+++/A++(A+++*)	✓	✓	✓	✓	✓	✓	✓	✓	✓
MSZ-EF35VE2	A+++/A++(A+*)		✓	✓	✓	✓	✓	✓	✓	✓
MSZ-EF42VE2	A++/A++			✓	✓	✓	✓	✓	✓	✓
MSZ-EF50VE2	A++/A+			✓	✓	✓	✓	✓	✓	✓

*VEH

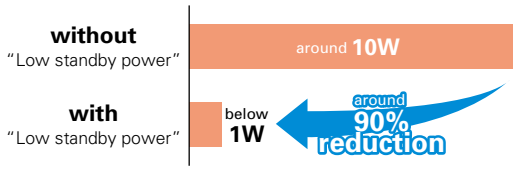
Quiet Comfort All Day Long

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.



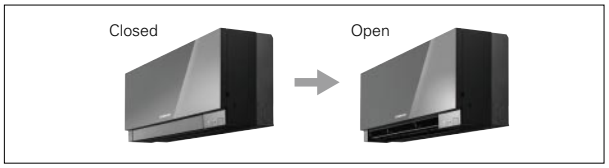
Low Standby Power

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.



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.



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

EUROVENT CERTIFIED PERFORMANCE

DC Inverter | Joint Lap | DC Fan Motor | PAM | Grooved Piping | SEER 25 - 35 A+++ | SCOP 25 - 42* A++ *except for VEH

Indoor Unit

GOOD DESIGN

MSZ-EF18/22/25/35/42/50VE2W — White

MSZ-EF18/22/25/35/42/50VE2S — Silver

MSZ-EF18/22/25/35/42/50VE2B* — Black

*Soft-dry Cloth is enclosed with Black models.

Outdoor Unit

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

MUZ-EF50VE

Remote Controller

Econo Cool | AUTO VANE | Electrostatic Anti-allergy (Optional) | Nano Platinum | SWING | AUTO | Weekly Timer | i save | ACO | Auto Restart | Low Temp Cooling | Centralised On/Off (Optional) | Group Control (Optional) | Wi-Fi Interface (Optional)

MXZ connection | Cleaning-free, pipe reuse | Flare connection | Self Diagnosis | Failure Recall

Type				Inverter Heat Pump							
Indoor Unit				MSZ-EF18VE2	MSZ-EF22VE2	MSZ-EF25VE2	MSZ-EF25VE2	MSZ-EF35VE2	MSZ-EF35VE2	MSZ-EF42VE2	MSZ-EF50VE2
Outdoor Unit				for MXZ connection		MUZ-EF25VE	MUZ-EF25VEH	MUZ-EF35VE	MUZ-EF35VEH	MUZ-EF42VE	MUZ-EF50VE
Refrigerant				R410A(*1)							
Power Supply	Source			Outdoor Power supply							
	Outdoor (V / Phase / Hz)			230/Single/50							
Cooling	Design load		kW	-	-	2.5	2.5	3.5	3.5	4.2	5.0
	Annual electricity consumption (*2)		kWh/a	-	-	103	103	144	144	192	244
	SEER (*4)			-	-	8.5	8.5	8.5	8.5	7.7	7.2
		Energy efficiency class		-	-	A+++	A+++	A+++	A+++	A++	A++
	Capacity	Rated	kW	-	-	2.5	2.5	3.5	3.5	4.2	5.0
		Min-Max	kW	-	-	1.2-3.4	1.2-3.4	1.4-4.0	1.4-4.0	0.9-4.6	1.4-5.4
	Total Input	Rated	kW	-	-	0.545	0.545	0.910	0.910	1.280	1.560
Heating (Average Season)(*5)	Design load		kW	-	-	2.4(-10°C)	2.4(-10°C)	2.9(-10°C)	2.9(-10°C)	3.8(-10°C)	4.2(-10°C)
	Declared Capacity	at reference design temperature	kW	-	-	2.4(-10°C)	2.4(-10°C)	2.9(-10°C)	2.9(-10°C)	3.8(-10°C)	4.2(-10°C)
		at bivalent temperature	kW	-	-	2.4(-10°C)	2.4(-10°C)	2.9(-10°C)	2.9(-10°C)	3.8(-10°C)	4.2(-10°C)
		at operation limit temperature	kW	-	-	2.0(-15°C)	1.6(-20°C)	2.4(-15°C)	1.7(-20°C)	3.4(-15°C)	3.5(-15°C)
	Back up heating capacity		kW	-	-	0.0(-10°C)	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	-	-	716	730	882	910	1155	1309
	SCOP (*4)			-	-	4.7	4.6	4.6	4.5	4.6	4.5
		Energy efficiency class		-	-	A++	A++	A++	A+	A++	A+
	Capacity	Rated	kW	-	-	3.2	3.2	4.0	4.0	5.4	5.8
		Min-Max	kW	-	-	1.1-4.2	1.1-4.2	1.8-5.5	1.8-5.5	1.4-6.3	1.6-7.5
	Total Input	Rated	kW	-	-	0.700	0.700	0.955	0.955	1.460	1.565
Operating Current (Max)			A	-	-	7.3	7.3	8.5	8.5	9.5	12.4
Indoor Unit	Input	Rated	kW	0.027	0.027	0.027	0.027	0.031	0.031	0.031	0.034
	Operating Current(Max)		A	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4
	Dimensions	H*W*D	mm	299-885-195	299-885-195	299-885-195	299-885-195	299-885-195	299-885-195	299-885-195	299-885-195
	Weight		kg	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5
	Air Volume (SLo-Lo-Mid-Hi-SHi(*3))(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	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 - 11.9	4.0 - 4.6 - 6.2 - 8.9 - 12.7	4.0 - 4.6 - 6.2 - 8.9 - 12.7	5.5 - 6.3 - 7.8 - 9.9 - 12.7	6.4 - 7.3 - 9.0 - 11.1 - 13.2
	Sound Level (SPL) (SLo-Lo-Mid-Hi-SHi(*3))	Cooling	dB(A)	21 - 23 - 29 - 36 - 42	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	28 - 31 - 35 - 39 - 42	30 - 33 - 36 - 40 - 43
		Heating	dB(A)	21 - 24 - 29 - 37 - 45	21 - 24 - 29 - 37 - 45	21 - 24 - 29 - 37 - 45	21 - 24 - 29 - 37 - 45	21 - 24 - 30 - 38 - 46	21 - 24 - 30 - 38 - 46	28 - 30 - 35 - 41 - 48	30 - 33 - 37 - 43 - 49
	Sound Level (PWL)	Cooling	dB(A)	-	-	60	60	60	60	60	60
Outdoor Unit	Dimensions	H*W*D	mm	-	-	550-800-285	550-800-285	550-800-285	550-800-285	550-800-285	880-840-330
	Weight		kg	-	-	30	30	35	35	35	54
	Air Volume	Cooling	m^3/min	-	-	32.6	32.6	33.6	33.6	35.2	44.6
		Heating	m^3/min	-	-	32.2	32.2	33.6	33.6	33.6	44.6
	Sound Level (SPL)	Cooling	dB(A)	-	-	47	47	49	49	50	52
		Heating	dB(A)	-	-	48	48	50	50	51	52
	Sound Level (PWL)	Cooling	dB(A)	-	-	58	58	61	61	62	65
	Operating Current (Max)		A	-	-	7.0	7.0	8.2	8.2	9.2	12.0
	Breaker Size		A	-	-	10	10	10	10	10	16
Ext. Piping	Diameter	Liquid/Gas	mm	-	-	6.35 / 9.52	6.35 / 9.52	6.35 / 9.52	6.35 / 9.52	6.35 / 9.52	6.35 / 12.7
	Max.Length	Out-In	m	-	-	20	20	20	20	20	30
	Max.Height	Out-In	m	-	-	12	12	12	12	12	15
Guaranteed Operating Range (Outdoor)		Cooling	°C	-	-	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46
		Heating	°C	-	-	-15 ~ +24	-20 ~ +24	-15 ~ +24	-20 ~ +24	-15 ~ +24	-15 ~ +24

(*1) Refrigerant leakage contributes to climate change. Refrigerant with lower global warming potential (GWP) would contribute less to global warming than a refrigerant with higher GWP, if leaked to the atmosphere. This appliance contains a refrigerant fluid with a GWP equal to 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 CO_2, over a period of 100 years. Never try to interfere with the refrigerant circuit yourself or disassemble the product yourself and always ask a professional.
(*2) Energy consumption based on standard test results.Actual energy consumption will depend on how the appliance is used and where it is located.
(*3) SHi: Super High
(*4) SEER, SCOP and other related description are based on COMMISSION DELEGATED REGULATION (EU) No.626/2011. The temperature conditions for calculating SCOP are based on "Average Season".
(*5) Please see page 47 for heating (warmer season) specifications.

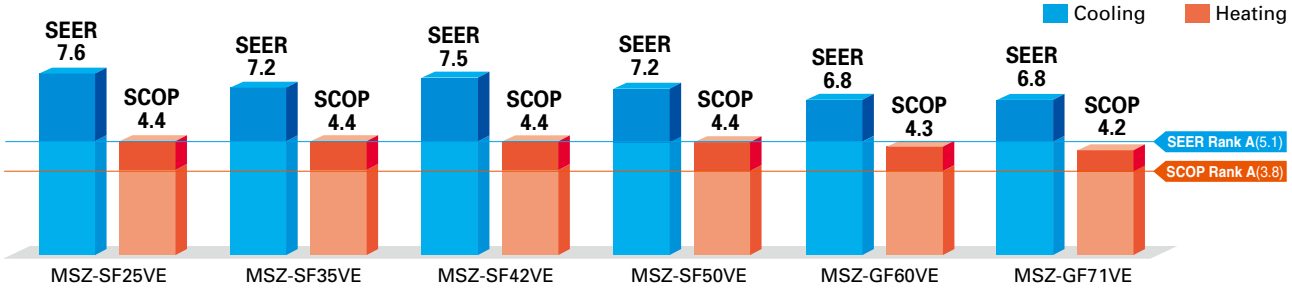
MSZ-S SERIES
MSZ-G SERIES

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

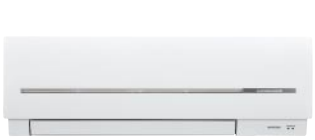
DC Inverter 25-71 SEER A++ 25-71 SCOP A+

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 / 50VE2

MSZ-GF60 / 71VE

Compact and Stylish (MSZ-SF15/20VA)

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

Comparison with our previous model GE

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

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

"Weekly Timer"

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

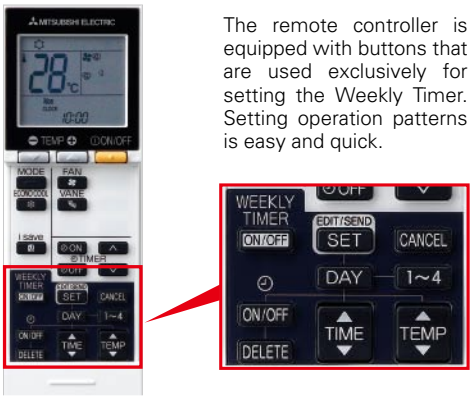
■ Example Operation Pattern (Winter/Heating mode)

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

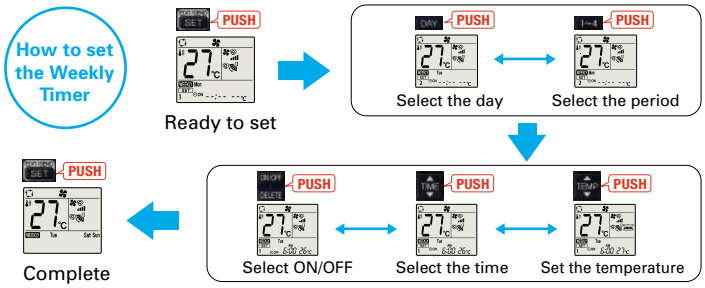
Settings

Pattern Settings: Input up to four settings for each day
Settings: •Start/Stop operation •Temperature setting ✻The operation mode cannot be set.

■ Easy set-up using dedicated buttons



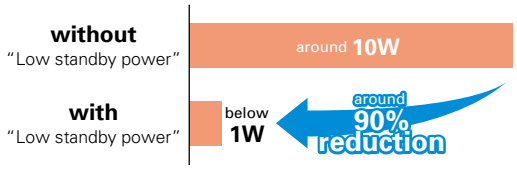
The remote controller is equipped with buttons that are used exclusively for setting the Weekly Timer. Setting operation patterns is easy and quick.



- 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.

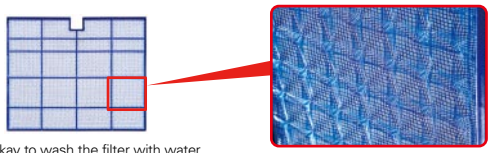
Low Standby Power

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.



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

This filter incorporates nanometre-sized platinum-ceramic particles that generate stable antibacterial and deodourising effects. The size of the three-dimensional surface has been increased as well, enlarging the filter capture area. These features give the Nano Platinum Filter better dust collection performance than conventional filters. The superior air-cleaning effectiveness raises room comfort yet another level.

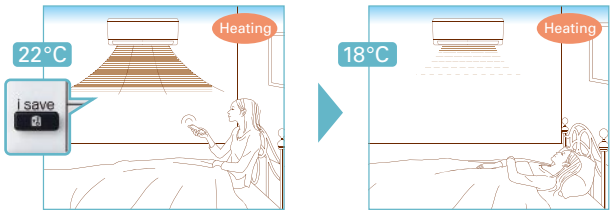


✻ It is okay to wash the filter with water (air-cleaning effect is maintained)

3D surface (Waved surface)

"i save" Mode

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



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

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

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

Standard Units

MUZ-SF25/35/42VE MUZ-SF50VE

Heater Installed

MUZ-SF25/35/42VEH MUZ-SF50VEH

MSZ-S SERIES

DC Inverter

Indoor Unit

MSZ-SF15/20VA

GOOD DESIGN

Outdoor Unit

For MXZ Connection Only

Remote Controller

Econo Cool | Pure White | AUTO VANE | SWING | AUTO | Weekly Timer | i save | ACO | Auto Restart | Optional | Group Control (Optional) | M-NET connection (Optional) | Wi-Fi Interface (Optional) | MXZ connection | Flare connection | Self Diagnosis | Failure Recall

Type				Inverter Heat Pump					
Indoor Unit				MSZ-SF15VA	MSZ-SF20VA	MSZ-SF25VE2	MSZ-SF25VE2	MSZ-SF35VE2	MSZ-SF35VE2
Outdoor Unit				for MXZ connection		MUZ-SF25VE	MUZ-SF25VEH	MUZ-SF35VE	MUZ-SF35VEH
Refrigerant				R410A(*1)					
Power Supply	Source			Outdoor Power supply					
	Outdoor (V / Phase / Hz)			230/Single/50					
Cooling	Design load		kW	-	-	2.5	2.5	3.5	3.5
	Annual electricity consumption (*2)		kWh/a	-	-	116	116	171	171
	SEER (*4)			-	-	7.6	7.6	7.2	7.2
		Energy efficiency class		-	-	A++	A++	A++	A++
	Capacity	Rated	kW	-	-	2.5	2.5	3.5	3.5
		Min-Max	kW	-	-	0.9-3.4	0.9-3.4	1.1-3.8	1.1-3.8
	Total Input	Rated	kW	-	-	0.600	0.600	1.080	1.080
Heating (Average Season)(*5)	Design load		kW	-	-	2.4(-10°C)	2.4(-10°C)	2.9(-10°C)	2.9(-10°C)
	Declared Capacity	at reference design temperature	kW	-	-	2.4(-10°C)	2.4(-10°C)	2.9(-10°C)	2.9(-10°C)
		at bivalent temperature	kW	-	-	2.4(-10°C)	2.4(-10°C)	2.9(-10°C)	2.9(-10°C)
		at operation limit temperature	kW	-	-	2.0(-15°C)	1.6(-20°C)	2.2(-15°C)	1.6(-20°C)
	Back up heating capacity		kW	-	-	0.0(-10°C)	0.0(-10°C)	0.0(-10°C)	0.0(-10°C)
	Annual electricity consumption (*2)		kWh/a	-	-	764	790	923	948
	SCOP (*4)			-	-	4.4	4.3	4.4	4.3
		Energy efficiency class		-	-	A+	A+	A+	A+
	Capacity	Rated	kW	-	-	3.2	3.2	4.0	4.0
		Min-Max	kW	-	-	1.0-4.1	1.0-4.1	1.3-4.6	1.3-4.6
	Total Input	Rated	kW	-	-	0.780	0.780	1.030	1.030
Operating Current (Max)			A	-	-	8.4	8.4	8.5	8.5
Indoor Unit	Input	Rated	kW	0.017	0.019	0.024	0.024	0.027	0.027
	Operating Current(Max)		A	0.17	0.19	0.2	0.2	0.3	0.3
	Dimensions	H*W*D	mm	250-760-168	250-760-168	299-798-195	299-798-195	299-798-195	299-798-195
	Weight		kg	7.7	7.7	10	10	10	10
	Air Volume (SLo-Lo-Mid-Hi-SHi(*3))(Dry/Wet))	Cooling	m^3/min	3.5 - 3.9 - 4.6 - 5.5 - 6.4	3.5 - 3.9 - 4.6 - 5.5 - 6.9	3.2 - 4.1 - 5.6 - 7.2 - 9.1	3.2 - 4.1 - 5.6 - 7.2 - 9.1	3.2 - 4.1 - 5.6 - 7.2 - 9.1	3.2 - 4.1 - 5.6 - 7.2 - 9.1
		Heating	m^3/min	3.7 - 4.4 - 5.0 - 6.0 - 6.8	3.7 - 4.4 - 5.0 - 6.0 - 7.3	3.0 - 4.1 - 6.7 - 8.2 - 10.3	3.0 - 4.1 - 6.7 - 8.2 - 10.3	3.0 - 4.1 - 6.7 - 8.3 - 11.0	3.0 - 4.1 - 6.7 - 8.3 - 11.0
	Sound Level (SPL) (SLo-Lo-Mid-Hi-SHi(*3))	Cooling	dB(A)	21 - 26 - 30 - 35 - 40	21 - 26 - 30 - 35 - 42	19(*6) - 24 - 30 - 36 - 42	19(*6) - 24 - 30 - 36 - 42	19(*6) - 24 - 30 - 36 - 42	19(*6) - 24 - 30 - 36 - 42
		Heating	dB(A)	21 - 26 - 30 - 35 - 40	21 - 26 - 30 - 35 - 42	19(*6) - 24 - 34 - 39 - 45	19(*6) - 24 - 34 - 39 - 45	19(*6) - 24 - 34 - 40 - 46	19(*6) - 24 - 34 - 40 - 46
	Sound Level (PWL)	Cooling	dB(A)	59	60	57	57	57	57
Outdoor Unit	Dimensions	H*W*D	mm	-	-	550-800-285	550-800-285	550-800-285	550-800-285
	Weight		kg	-	-	31	31	31	31
	Air Volume	Cooling	m^3/min	-	-	31.1	31.1	35.9	35.9
		Heating	m^3/min	-	-	30.7	30.7	35.9	35.9
	Sound Level (SPL)	Cooling	dB(A)	-	-	47	47	49	49
		Heating	dB(A)	-	-	48	48	50	50
	Sound Level (PWL)	Cooling	dB(A)	-	-	58	58	62	62
	Operating Current (Max)		A	-	-	8.2	8.2	8.2	8.2
	Breaker Size		A	-	-	10	10	10	10
Ext. Piping	Diameter	Liquid/Gas	mm	6.35/9.52	6.35/9.52	6.35 / 9.52	6.35 / 9.52	6.35 / 9.52	6.35 / 9.52
	Max.Length	Out-In	m	-	-	20	20	20	20
	Max.Height	Out-In	m	-	-	12	12	12	12
Guaranteed Operating Range (Outdoor)		Cooling	°C	-	-	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46
		Heating	°C	-	-	-15 ~ +24	-20 ~ +24	-15 ~ +24	-20 ~ +24

(*1) Refrigerant leakage contributes to climate change. Refrigerant with lower global warming potential (GWP) would contribute less to global warming than a refrigerant with higher GWP, if leaked to the atmosphere. This appliance contains a refrigerant fluid with a GWP equal to 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 CO_2, over a period of 100 years. Never try to interfere with the refrigerant circuit yourself or disassemble the product yourself and always ask a professional.
(*2) Energy consumption based on standard test results.Actual energy consumption will depend on how the appliance is used and where it is located.
(*3) SHi: Super High
(*4) SEER, SCOP and other related description are based on COMMISSION DELEGATED REGULATION (EU) No.626/2011. The temperature conditions for calculating SCOP are based on "Average Season".
(*5) Please see page 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

EUROVENT CERTIFIED PERFORMANCE

DC Inverter · Joint Lap · DC Fan Motor · PAM · Grooved Piping · SEER A++ · SCOP A+

Indoor Unit

MSZ-SF25/35/42/50VE2

MSZ-GF60/71VE

Outdoor Unit

MUZ-SF25/35/42VE(H)

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

Remote Controller

Econo Cool · Pure White · AUTO VANE · Anti-allergy Enzyme (Optional) · Electrostatic Anti-allergy (Optional) · Nano Platinum · SWING · SWING · AUTO · WIDE&LONG · Weekly Timer · i save · ACO · Auto Restart · Low Temp Cooling

Optional · Group Control (Optional) · M-NET connection (Optional) · Wi-Fi Interface (Optional) · MXZ connection · Cleaning-free pipe reuse · Flare connection · Self Diagnosis · Failure Recall

Type				Inverter Heat Pump					
Indoor Unit				MSZ-SF42VE2	MSZ-SF42VE2	MSZ-SF50VE2	MSZ-SF50VE2	MSZ-GF60VE	MSZ-GF71VE
Outdoor Unit				MUZ-SF42VE	MUZ-SF42VEH	MUZ-SF50VE	MUZ-SF50VEH	MUZ-GF60VE	MUZ-GF71VE
Refrigerant				R410A(*1)					
Power Supply	Source			Outdoor Power supply					
	Outdoor (V / Phase / Hz)			230/Single/50					
Cooling	Design load		kW	4.2	4.2	5	5	6.1	7.1
	Annual electricity consumption (*2)		kWh/a	196	196	246	246	311	364
	SEER (*4)			7.5	7.5	7.2	7.2	6.8	6.8
		Energy efficiency class		A++	A++	A++	A++	A++	A++
	Capacity	Rated	kW	4.2	4.2	5	5	6.1	7.1
		Min-Max	kW	0.8-4.5	0.8-4.5	1.4-5.4	1.4-5.4	1.4-7.5	2.0-8.7
	Total Input	Rated	kW	1.340	1.340	1.660	1.660	1.790	2.130
Heating (Average Season)(*5)	Design load		kW	3.8 (-10°C)	3.8 (-10°C)	4.2 (-10°C)	4.2 (-10°C)	4.6 (-10°C)	6.7 (-10°C)
	Declared Capacity	at reference design temperature	kW	3.8 (-10°C)	3.8 (-10°C)	4.2 (-10°C)	4.2 (-10°C)	4.6 (-10°C)	6.7 (-10°C)
		at bivalent temperature	kW	3.8 (-10°C)	3.8 (-10°C)	4.2 (-10°C)	4.2 (-10°C)	4.6 (-10°C)	6.7 (-10°C)
		at operation limit temperature	kW	3.4 (-15°C)	2.2 (-20°C)	3.4 (-15°C)	2.3 (-20°C)	3.7 (-15°C)	5.4 (-15°C)
	Back up heating capacity		kW	0.0 (-10°C)	0.0 (-10°C)	0.0 (-10°C)	0.0 (-10°C)	0.0 (-10°C)	0.0 (-10°C)
	Annual electricity consumption (*2)		kWh/a	1215	1242	1351	1380	1489	2204
	SCOP (*4)			4.4	4.3	4.4	4.3	4.3	4.2
		Energy efficiency class		A+	A+	A+	A+	A+	A+
	Capacity	Rated	kW	5.4	5.4	5.8	5.8	6.8	8.1
		Min-Max	kW	1.3-6.0	1.3-6.0	1.4-7.3	1.4-7.3	2.0-9.3	2.2-9.9
	Total Input	Rated	kW	1.580	1.58	1.7	1.7	1.81	2.23
Operating Current (Max)			A	9.5	9.5	12.3	12.3	14.5	16.6
Indoor Unit	Input	Rated	kW	0.027	0.027	0.035	0.035	0.062	0.058
	Operating Current(Max)		A	0.3	0.3	0.3	0.3	0.5	0.5
	Dimensions	H*W*D	mm	299-798-195	299-798-195	299-798-195	299-798-195	325-1100-238	325-1100-238
	Weight		kg	10	10	10	10	16	16
	Air Volume (SLo-Lo-Mid-Hi-SHi(*3))(Dry/Wet))	Cooling	m³/min	4.7 - 5.8 - 6.7 - 7.9 - 9.1	4.7 - 5.8 - 6.7 - 7.9 - 9.1	5.1 - 6.2 - 7.0 - 8.2 - 9.9	5.1 - 6.2 - 7.0 - 8.2 - 9.9	9.8-11.3-13.4-15.6-18.3	9.7-11.5-13.3-15.4-17.8
		Heating	m³/min	4.7 - 5.8 - 7.2 - 9.1 - 11.4	4.7 - 5.8 - 7.2 - 9.1 - 11.4	5.1 - 6.4 - 8.0 - 9.8 - 12.0	5.1 - 6.4 - 8.0 - 9.8 - 12.0	9.8-11.3-13.4-15.6-18.3	10.2-11.5-13.3-15.4-17.8
	Sound Level (SPL) (SLo-Lo-Mid-Hi-SHi(*3))	Cooling	dB(A)	26(*6) - 31 - 34 - 38 - 42	26(*6) - 31 - 34 - 38 - 42	28(*7) - 33 - 36 - 40 - 45	28(*7) - 33 - 36 - 40 - 45	29 - 37 -41 - 45 - 49	30 - 37 - 41 - 45 - 49
		Heating	dB(A)	26(*6) - 31 - 36 - 42 - 47	26(*6) - 31 - 36 - 42 - 47	28(*7) - 33 - 38 - 43 - 49	28(*7) - 33 - 38 - 43 - 49	29 - 37 - 41 - 45 - 49	30 - 37 - 41 - 45 - 49
	Sound Level (PWL)	Cooling	dB(A)	57	57	58	58	65	65
Outdoor Unit	Dimensions	H*W*D	mm	550-800-285	550-800-285	880-840-330	880-840-330	880-840-330	880-840-330
	Weight		kg	35	35	55	55	50	53
	Air Volume	Cooling	m³/min	35.2	35.2	44.6	44.6	49.2	50.1
		Heating	m³/min	33.6	33.6	44.6	44.6	49.2	48.2
	Sound Level (SPL)	Cooling	dB(A)	50	50	52	52	55	55
		Heating	dB(A)	51	51	52	52	55	55
	Sound Level (PWL)	Cooling	dB(A)	63	63	65	65	65	65
	Operating Current (Max)		A	9.2	9.2	12	12	14	16.1
	Breaker Size		A	10	10	16	16	20	20
Ext. Piping	Diameter	Liquid/Gas	mm	6.35 / 9.52	6.35 / 9.52	6.35 / 12.7	6.35 / 12.7	6.35/15.88	9.52/15.88
	Max.Length	Out-In	m	20	20	30	30	30	30
	Max.Height	Out-In	m	12	12	15	15	15	15
Guaranteed Operating Range (Outdoor)		Cooling	°C	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46
		Heating	°C	-15 ~ +24	-20 ~ +24	-15 ~ +24	-20 ~ +24	-15 ~ +24	-15 ~ +24

(*1) Refrigerant leakage contributes to climate change. Refrigerant with lower global warming potential (GWP) would contribute less to global warming than a refrigerant with higher GWP, if leaked to the atmosphere. This appliance contains a refrigerant fluid with a GWP equal to 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 CO_2, over a period of 100 years. Never try to interfere with the refrigerant circuit yourself or disassemble the product yourself and always ask a professional.
(*2) Energy consumption based on standard test results.Actual energy consumption will depend on how the appliance is used and where it is located.
(*3) SHi: Super High
(*4) SEER, SCOP and other related description are based on COMMISSION DELEGATED REGULATION (EU) No.626/2011. The temperature conditions for calculating SCOP are based on "Average Season".
(*5) Please see page 47 for heating (warmer season) specifications.
(*6) For single use: only 26dB(A), For multi use (MXZ): 28dB(A).
(*7) For single use: only 28dB(A), For multi use (MXZ): 30dB(A).

MSZ-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.

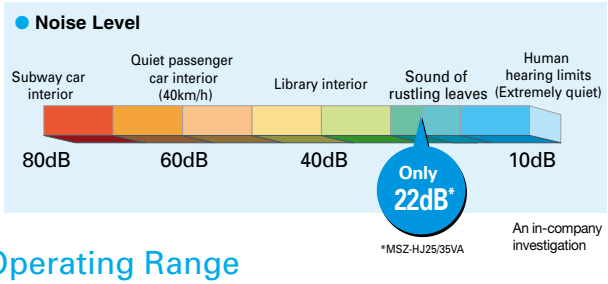
Advanced Inverter Control – Efficient Operation All the Time

DC Inverter | 25/35 SEER A | 25/35 SCOP A | 50/60/71 SEER A+ | 50/60/71 SCOP A+

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



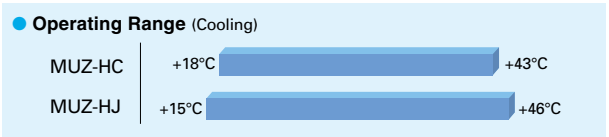
Long Piping Length

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.

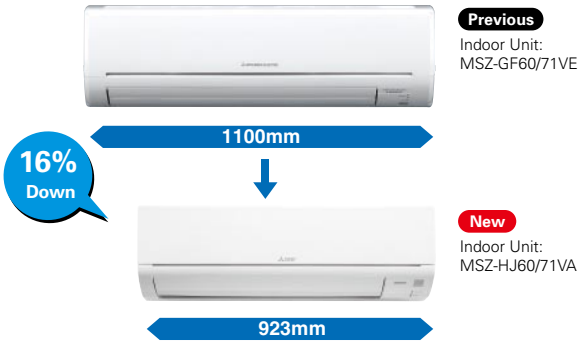
Indoor Unit: MSZ-HJ25/35/50VA

Only 799mm width

Outdoor Unit: MUZ-HJ25/35VA

Only 699mm width

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



MSZ-H SERIES

EUROVENT CERTIFIED PERFORMANCE

DC Inverter | Joint Lap | 50/60/71 DC Fan Motor | PAM | Grooved Piping | 50/60/71 SEER A+ | 50/60/71 SCOP A+

Indoor Unit

MSZ-HJ25/35/50VA

MSZ-HJ60/71VA

Outdoor Unit

MUZ-HJ25/35VA

MUZ-HJ50VA

MUZ-HJ60/71VA

Remote Controller

Econo Cool | Pure White | AUTO VANE | Catechin (Optional) | SWING | AUTO | | Auto Restart | Cleaning-free pipe rear | Flare connection | Self Diagnosis | Failure Recall

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 (*4)			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)(*5)	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 (*4)			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 Volume (SLo-Lo-Mid-Hi-SHi(*3))(Dry/Wet)	Cooling	m^3/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	m^3/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-SHi(*3))	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)	Cooling	dB(A)	57	60	60	65	65
Outdoor Unit	Dimensions	H*W*D	mm	538-699-249	538-699-249	550-800-285	880-840-330	880-840-330
	Weight		kg	24	25	36	55	55
	Air Volume	Cooling	m^3/min	31.5	31.5	36.3	47.9	49.3
		Heating	m^3/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
	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	+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 CO_2, over a period of 100 years. Never try to interfere with the refrigerant circuit yourself or disassemble the product yourself and always ask a professional.
(*2) Energy consumption based on standard test results.Actual energy consumption will depend on how the appliance is used and where it is located.
(*3) SHi: Super High
(*4) SEER, SCOP and other related description are based on COMMISSION DELEGATED REGULATION (EU) No.626/2011. The temperature conditions for calculating SCOP are based on "Average Season".
(*5) Please see page 47 for heating (warmer season) specifications.

MFZ SERIES

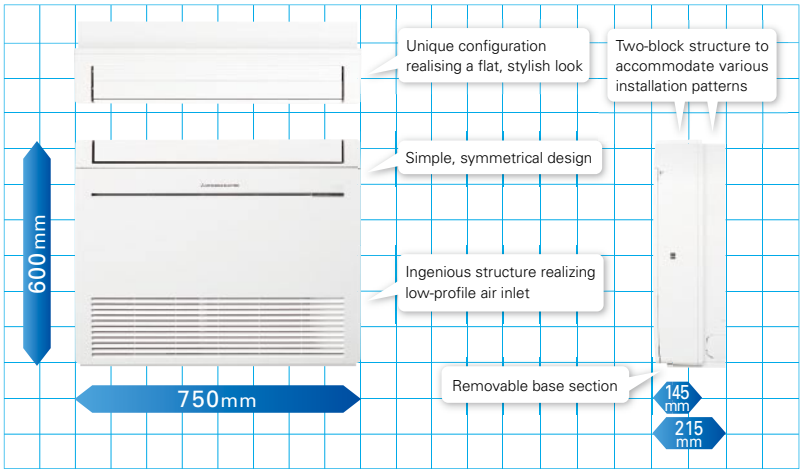
High Capacity, Energy Savings and a Design in Harmony with Living Spaces
Raise the Value of Your Room to the Next Level.

MFZ-KJ25/35/50VE

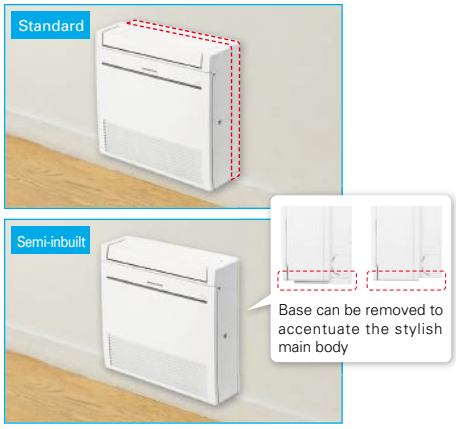
GOOD DESIGN

Simple , Flat Design

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



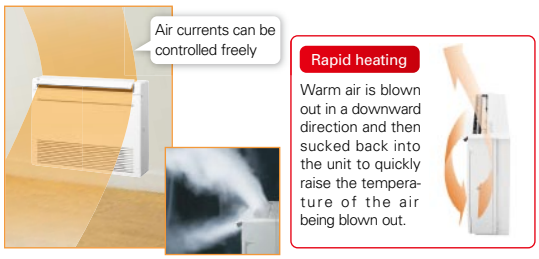
Images of installed unit



Multi-flow Vane

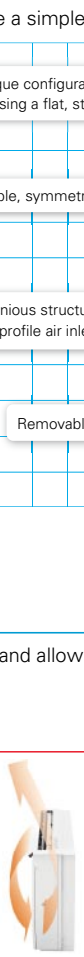
Three uniquely shaped vanes control the airflow and allow the freedom to customize comfort according to preferences.

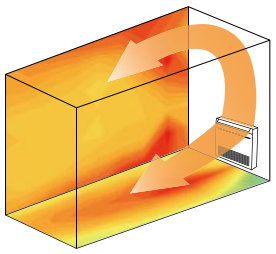
When heating



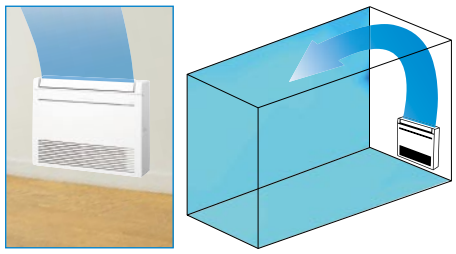
Rapid heating

Warm air is blown out in a downward direction and then sucked back into the unit to quickly raise the temperature of the air being blown out.





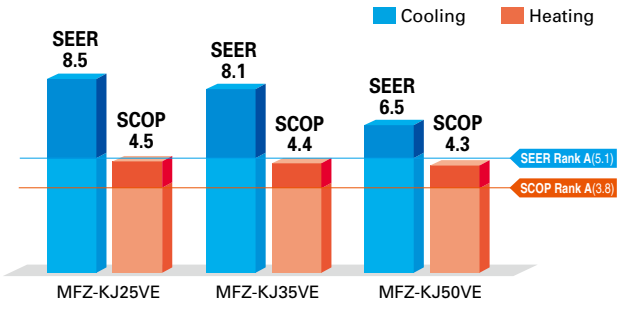
When cooling



* 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

EUROVENT CERTIFIED PERFORMANCE

DC Inverter | DC Fan Motor | PAM | Grooved Piping | SEER A+++ | SCOP A+

Indoor Unit

GOOD DESIGN

MFZ-KJ25/35/50VE

Outdoor Unit

MUFZ-KJ25/35VE

MUFZ-KJ50VE

Remote Controller

Econo Cool | Pure White | AUTO VANE | Anti-allergy Enzyme | Nano Platinum | SWING | AUTO | Weekly Timer | i save | ACO | Auto Restart | Low Temp Cooling | Optional | Group Control | Optional | M-NET connection | Optional

Wi-Fi Interface | Optional | MXZ connection | Cleaning-free, pipe reuse | Flare connection | Self Diagnosis | Failure Recall

Type				Inverter Heat Pump		
Indoor Unit				MFZ-KJ25VE	MFZ-KJ35VE	MFZ-KJ50VE
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	Rated	kW	2.5	3.5	5.0
		Min-Max	kW	0.5 - 3.4	0.5 - 3.7	1.6 - 5.7
	Total Input	Rated	kW	0.540	0.940	1.410
Heating (Average Season)	Design load		kW	3.4(-10℃)	3.5(-10℃)	4.4(-10℃)
	Declared Capacity	at reference design temperature	kW	3.4(-10℃)	3.5(-10℃)	4.4(-10℃)
		at bivalent temperature	kW	3.4(-10℃)	3.5(-10℃)	4.4(-10℃)
		at operation limit temperature	kW	2.4(-15℃)	2.9(-15℃)	6.0(-15℃)
	Back up heating capacity		kW	0.0(-10℃)	0.0(-10℃)	0.0(-10℃)
	Annual electricity consumption(*2)		kWh/a	1059	1110	1406
	SCOP(*4)			4.5	4.4	4.3
		Energy efficiency class		A+	A+	A+
	Capacity	Rated	kW	3.4	4.3	6.0
		Min-Max	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
Indoor 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
	Sound Level (PWL)	Cooling	dB(A)	49	50	56
Outdoor Unit	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
	Operating Current(Max)		A	9.2	9.2	13.6
	Breaker Size		A	10	10	16
Ext. Piping	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	15
Guaranteed Operating Range [Outdoor]		Cooling	℃	-10 ~ +46	-10 ~ +46	-10 ~ +46
		Heating	℃	-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 CO_2 , 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".

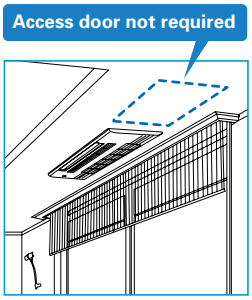
MLZ SERIES

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


MLZ-KA25/35/50VA

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.

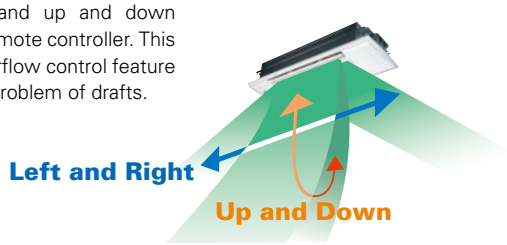
Set Airflow According to Ceiling Height

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

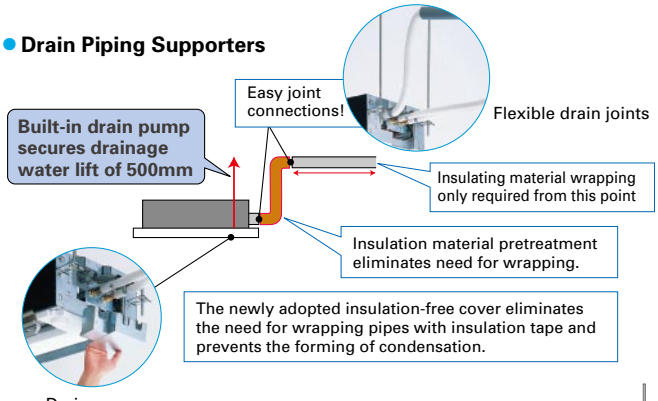
Outlet vanes can be moved left and right, and up and down using the remote controller. This improved airflow control feature solves the problem of drafts.



Easy Installation

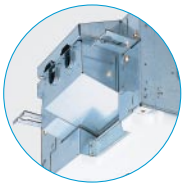
A built-in drain pump (500mm lift) and flexible drain joints make attaching the drain hose in the ceiling cavity easy, resulting in simple and fast installation. Tight yet flexible fittings eliminate the need of wrapping with heat-insulation tape, and ensure that pipe and drain cover connections are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

● Drain Piping Supporters

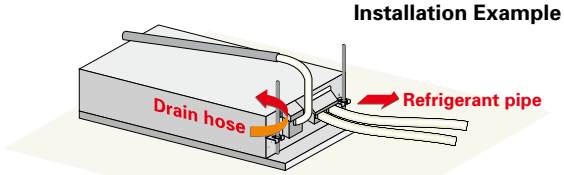


● Easy Mounting Plate

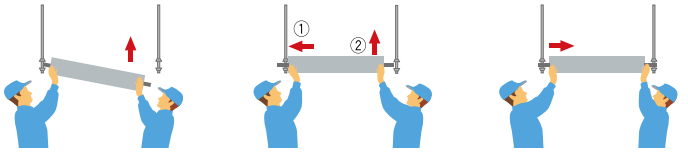
Suspension work simplified with well-designed mounting plates



Installation Example



Flexible drain joints simplify drain piping work in narrow ceiling areas



Secure one side

① Push the unit to the other side
② Secure the opposite side

Move unit to the centre

MLZ-KA SERIES

DC Inverter

Indoor Unit

MLZ-KA25/35/50VA

Outdoor Unit

For MXZ Connection Only

Remote Controller

Panel

MLP-440W

Econo Cool | AUTO VANE | Anti-allergy Enzyme (Optional) | Catechin (Optional) | SWING | High Ceiling | AUTO | ACO | Auto Restart | (Optional) | Group Control (Optional) | M-NET connection (Optional) | Wi-Fi Interface (Optional) | MXZ connection | Drain Lift Up

Flare connection | Self Diagnosis | Failure Recall

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	kW	-	-	-
		Min-Max	kW	-	-	-
	Total Input	Rated	kW	-	-	-
Heating (Average Season)	Design load		kW	-	-	-
	Declared Capacity	at reference design temperature	kW	-	-	-
		at bivalent temperature	kW	-	-	-
		at operation limit temperature	kW	-	-	-
	Back up heating capacity		kW	-	-	-
	Annual electricity consumption (*2)		kWh/a	-	-	-
	SCOP (*4)			-	-	-
		Energy efficiency class		-	-	-
	Capacity	Rated	kW	-	-	-
		Min-Max	kW	-	-	-
	Total Input	Rated	kW	-	-	-
Operating Current (Max)			A	0.4	0.4	0.4
Indoor Unit	Input	Rated	kW	0.040	0.040	0.040
	Operating Current(Max)		A	-	-	-
	Dimensions	H*W*D	mm	175-1102-360	175-1102-360	175-1102-360
	Weight		kg	15	15	15
	Air Volume (SLo-Lo-Mid-Hi-SHi(*3)/(Dry/Wet))	Cooling	m^3/min	7.2-8.0-8.8	7.3-8.4-9.4	8.3-9.8-11.4
		Heating	m^3/min	7.0-8.2-9.2	7.7-8.8-9.9	8.8-10.3-11.8
	Sound Level (SPL) (SLo-Lo-Mid-Hi-SHi(*3))	Cooling	dB(A)	29-32-35	31-34-37	34-38-43
		Heating	dB(A)	28-32-36	31-35-38	34-39-43
	Sound Level (PWL)	Cooling	dB(A)	52	54	60
Panel	Dimensions	H*W*D	mm	34-1200-414	34-1200-414	34-1200-414
	Weight		kg	3.5	3.5	3.5
Outdoor Unit	Dimensions	H*W*D	mm	-	-	-
	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)	-	-	-
	Operating Current (Max)		A	-	-	-
	Breaker Size		A	-	-	-
Ext. Piping	Diameter	Liquid/Gas	mm	6.35/9.52	6.35/9.52	6.35/12.7
	Max.Length	Out-In	m	-	-	-
	Max.Height	Out-In	m	-	-	-
Guaranteed Operating Range (Outdoor)		Cooling	℃	-	-	-
		Heating	℃	-	-	-

(*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 CO_2, 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".

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)	3.3 (2°C)
		at bivalent temperature	kW	1.7 (2°C)	1.8 (2°C)	2.0 (2°C)	2.2 (2°C)	2.5 (2°C)	3.3 (2°C)
		at operation limit temperature	kW	2.5 (−15°C)	1.7 (−25°C)	3.2 (−15°C)	2.6 (−25°C)	5.2 (−15°C)	3.8 (−25°C)
	Back up heating capacity		kW	0.0 (2°C)	0.0 (2°C)	0.0 (2°C)	0.0 (2°C)	0.0 (2°C)	0.0 (2°C)
	Annual electricity consumption (*2)		kWh/a	376	397	429	471	614	787
	SCOP			6.3	6.3	6.5	4.8 / 6.5	5.7	5.9
		Energy efficiency class		A^{+++}	A^{+++}	A^{+++}	A^{+++}	A^{+++}	A^{+++}

Type				Inverter Heat Pump					
Indoor Unit				MSZ-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)	2.3 (2°C)
		at bivalent temperature	kW	1.3 (2°C)	1.3 (2°C)	1.6 (2°C)	1.6 (2°C)	2.1 (2°C)	2.3 (2°C)
		at operation limit temperature	kW	2.0 (−15°C)	1.6 (−20°C)	2.4 (−15°C)	1.7 (−20°C)	3.4 (−15°C)	3.5 (−15°C)
	Back up heating capacity		kW	0.0 (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)	2.3 (2°C)
		at bivalent temperature	kW	1.3 (2°C)	1.3 (2°C)	1.6 (2°C)	1.6 (2°C)	2.1 (2°C)	2.1 (2°C)	2.3 (2°C)	2.3 (2°C)
		at operation limit temperature	kW	2.0 (−15°C)	1.6 (−20°C)	2.2 (−15°C)	1.6 (−20°C)	3.4 (−15°C)	2.2 (−20°C)	3.4 (−15°C)	2.3 (−20°C)
	Back up heating capacity		kW	0.0 (2°C)	0.0 (2°C)	0.0 (2°C)	0.0 (2°C)	0.0 (2°C)	0.0 (2°C)	0.0 (2°C)	0.0 (2°C)
	Annual electricity consumption (*2)		kWh/a	337	337	923 / 418	417	507	507	563	563
	SCOP			5.4	5.4	5.4	5.4	5.8	5.8	5.7	5.7
		Energy efficiency class		A^{+++}	A^{+++}	A^{+++}	A^{+++}	A^{+++}	A^{+++}	A^{+++}	A^{+++}

Type				Inverter Heat Pump	
Indoor Unit				MSZ-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)	3.7 (2°C)
		at bivalent temperature	kW	2.5 (2°C)	3.7 (2°C)
		at operation limit temperature	kW	3.7 (−15°C)	5.4 (−15°C)
	Back up heating capacity		kW	0.0 (2°C)	0.0 (2°C)
	Annual electricity consumption (*2)		kWh/a	664	963
	SCOP (*4)			5.3	5.4
		Energy efficiency class		A^{+++}	A^{+++}

Type				Inverter Heat Pump		
Indoor Unit				MSZ-HJ25VA	MSZ-HJ35VA	MSZ-HJ50VA
Outdoor Unit				MUZ-HJ25VA	MUZ-HJ35VA	MUZ-HJ50VA
Refrigerant				R410A (*1)		
Cooling	Design load		kW	2.5	3.1	5.0
	Annual electricity consumption (*2)		kWh/a	171	212	292
	SEER			5.1	5.1	6.0
		Energy efficiency class		A	A	A^{+}
Heating (Warmer Season)	Design load		kW	1.1 (2°C)	1.3 (2°C)	2.1 (2°C)
	Declared Capacity	at reference design temperature	kW	1.1 (2°C)	1.3 (2°C)	2.1 (2°C)
		at bivalent temperature	kW	1.1 (2°C)	1.3 (2°C)	2.1 (2°C)
		at operation limit temperature	kW	1.9 (−10°C)	2.4 (−10°C)	3.8 (−10°C)
	Back up heating capacity		kW	0.0 (2°C)	0.0 (2°C)	0.0 (2°C)
	Annual electricity consumption (*2)		kWh/a	356	426	539
	SCOP			4.3	4.3	5.5
		Energy efficiency class		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 CO_2, 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		Inside	dB	49	49	50	50	56	56
		Outside	dB	59	59	60	60	63	63
Refrigerant				R410A GWP 1975 (*1)					
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 (*2)		kWh/a	102	102	150	150	266	266
	Design load		kW	2.5	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 (*2)		kWh/a	1059/511	1104/490	1110/499	1158/510	1406/579	1467/603
	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)	3.6 (−10°C)/2.0 (2°C)	4.4 (−10°C)/2.4 (2°C)	4.5 (−10°C)/2.5 (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)	3.6 (−10°C)/2.0 (2°C)	4.4 (−10°C)/2.4 (2°C)	4.5 (−10°C)/2.5 (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)	3.6 (−10°C)/2.0 (2°C)	4.4 (−10°C)/2.4 (2°C)	4.5 (−10°C)/2.5 (2°C)
		at operation limit temperature	kW	2.4 (−15°C)/2.4 (−15°C)	1.6 (−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)	3.3 (−25°C)/3.3 (−25°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)

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		Inside	dB	58	58	58	58	60	60
		Outside	dB	60	60	61	61	64	64
Refrigerant				R410A GWP 1975 (*1)					
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 (*2)		kWh/a	96	96	138	138	244	244
	Design load		kW	2.5	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 (*2)		kWh/a	819/376	924/397	986/429	1173/471	1372/614	2006/787
	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)	6.0 (−10°C)/3.3 (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)	6.0 (−10°C)/3.3 (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)	6.0 (−10°C)/3.3 (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)	3.8 (−25°C)/3.8 (−25°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)

Type				Inverter Heat Pump					
Model		Indoor		MSZ-EF25VE		MSZ-EF35VE		MSZ-EF42VE	MSZ-EF50VE
		Outdoor		MUZ-EF25VE	MUZ-EF25VEH	MUZ-EF35VE	MUZ-EF35VEH	MUZ-EF42VE	MUZ-EF50VE
Sound power levels on cooling mode		Inside	dB	60	60	60	60	60	60
		Outside	dB	58	58	61	61	62	65
Refrigerant				R410A GWP 1975 (*1)					
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 (*2)		kWh/a	103	103	144	144	192	244
	Design load		kW	2.5	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 (*2)		kWh/a	716/304	730/304	882/396	910/396	1155/491	1309/557
	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)	4.2 (−10°C)/2.3 (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)	4.2 (−10°C)/2.3 (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)	4.2 (−10°C)/2.3 (2°C)
		at operation limit temperature	kW	2.0 (−15°C)/2.0 (−15°C)	1.6 (−20°C)/1.6 (−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)	3.5 (−15°C)/3.5 (−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)	0.0 (−10°C)/0.0 (2°C)

Type				Inverter Heat Pump							
Model		Indoor		MSZ-SF25VE2		MSZ-SF35VE2		MSZ-SF42VE2		MSZ-SF50VE2	
		Outdoor		MUZ-SF25VE	MUZ-SF25VEH	MUZ-SF35VE	MUZ-SF35VEH	MUZ-SF42VE	MUZ-SF42VEH	MUZ-SF50VE	MUZ-SF50VEH
Sound power levels on cooling mode		Inside	dB	57	57	57	57	57	57	58	58
		Outside	dB	58	58	62	62	63	63	65	65
Refrigerant				R410A GWP 1975 (*1)							
Cooling	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^{++}
	Annual electricity consumption (*2)		kWh/a	116	116	171	171	196	196	246	246
	Design load		kW	2.5	2.5	3.5	3.5	4.2	4.2	5.0	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	4.3/5.8	4.4/5.7	4.3/5.7
	Energy efficiency class			A^{+}/A^{+++}	A^{+}/A^{+++}	A^{+}/A^{+++}	A^{+}/A^{+++}	A^{+}/A^{+++}	A^{+}/A^{+++}	A^{+}/A^{+++}	A^{+}/A^{+++}
	Annual electricity consumption (*2)		kWh/a	764/337	790/337	923/418	948/417	1215/507	1242/507	1351/563	1380/563
	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)	3.8 (−10°C)/2.1 (2°C)	4.2 (−10°C)/2.3 (2°C)	4.2 (−10°C)/2.3(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)	3.8 (−10°C)/2.1 (2°C)	4.2 (−10°C)/2.3 (2°C)	4.2 (−10°C)/2.3 (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)	3.8 (−10°C)/2.1 (2°C)	4.2 (−10°C)/2.3 (2°C)	4.2 (−10°C)/2.3 (2°C)
		at operation limit temperature	kW	2.0 (−15°C)/2.0 (−15°C)	1.6 (−20°C)/1.6 (−20°C)	2.2 (−15°C)/2.2 (−15°C)	1.6 (−20°C)/1.6 (−20°C)	3.4 (−15°C)/3.4 (−15°C)	2.2 (−20°C)/2.5 (−20°C)	3.4 (−15°C)/3.4 (−15°C)	2.3 (−20°C)/2.3 (−20°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)

Type				Inverter Heat Pump					
Model		Indoor		MSZ-GF60VE	MSZ-GF71VE	MSZ-HJ25VA	MSZ-HJ35VA	MSZ-HJ50VA	MSZ-HJ60VA	MSZ-HJ71VA
		Outdoor		MUZ-GF60VE	MUZ-GF71VE	MUZ-HJ25VA	MUZ-HJ35VA	MUZ-HJ50VA	MUZ-HJ60VA	MUZ-HJ71VA
Sound power levels on cooling mode		Inside	dB	65	65	57	60	60	65	65
		Outside	dB	65	65	63	64	64	65	66
Refrigerant				R410A GWP 1975 (*1)		R410A GWP 1975 (*1)				
Cooling	SEER			6.8	6.8	5.1	5.1	6.0	6.0	5.6
	Energy efficiency class			A^{++}	A^{++}	A	A	A^{+}	A^{+}	A^{+}
	Annual electricity consumption (*2)		kWh/a	311	364	171	212	292	354	441
	Design load		kW	6.1	7.1	2.5	3.1	5.0	6.1	7.1
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
	Energy efficiency class			A^{+}/A^{+++}	A^{+}/A^{+++}	A/A^{+}	A/A^{+}	A^{+}/A^{+++}	A^{+}/A^{+++}	A^{+}/A^{++}
	Annual electricity consumption (*2)		kWh/a	1489/664	2204/963	698/356	885/426	1267/539	1544/674	1854/813
	Design load		kW	4.6 (−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)
	Declared Capacity	at reference design temperature	kW	4.6 (−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)
		at bivalent temperature	kW	4.6 (−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)
		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)
	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)

(*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 CO_2, 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.

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.

Units without Remote Controller

SLZ-KA25VAQ3
SLZ-KA35VAQ3
SLZ-KA50VAQ3

*Requires SLP-2AAW grille.
*Requires PAR-31MAA or PAC-YT52CRA remote controller.

Units with Wireless Remote Controller

SLZ-KA25VAL3
SLZ-KA35VAL3
SLZ-KA50VAL3

*Requires SLP-2ALW grille.

Units without Remote Controller

SEZ-KD25VAQ
SEZ-KD35VAQ
SEZ-KD50VAQ
SEZ-KD60VAQ
SEZ-KD71VAQ

*Requires PAR-31MAA or PAC-YT52CRA remote controller.

Units with Wireless Remote Controller

SEZ-KD25VAL
SEZ-KD35VAL
SEZ-KD50VAL
SEZ-KD60VAL
SEZ-KD71VAL

STEP 2 SELECT OUTDOOR UNIT

There is one outdoor unit for respective indoor units.

SUZ-KA25/35VA4

SUZ-KA50/60/71VA4

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

SLZ SERIES

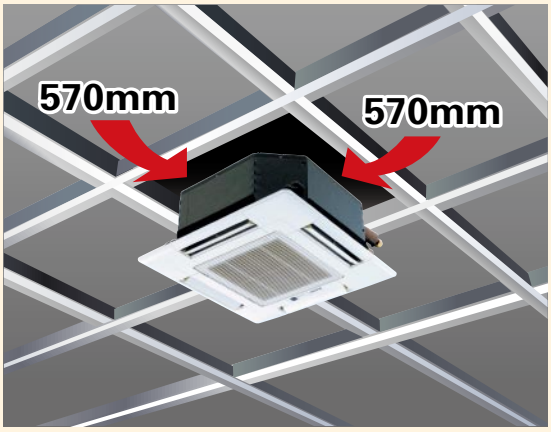
SLZ-KA25-50VAQ3/VAL3

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

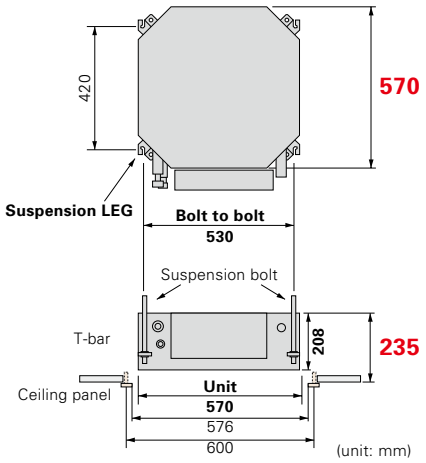
Compact Panel Size

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

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



● SLZ-KA35VAQ3



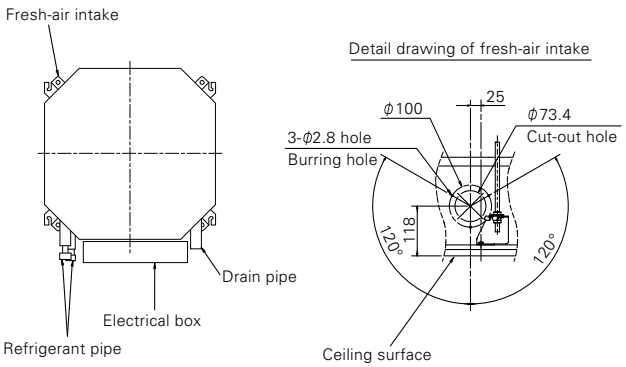
Reduced 270mm compared to PLA-RP35BA

Reduced 23mm compared to PLA-RP35BA

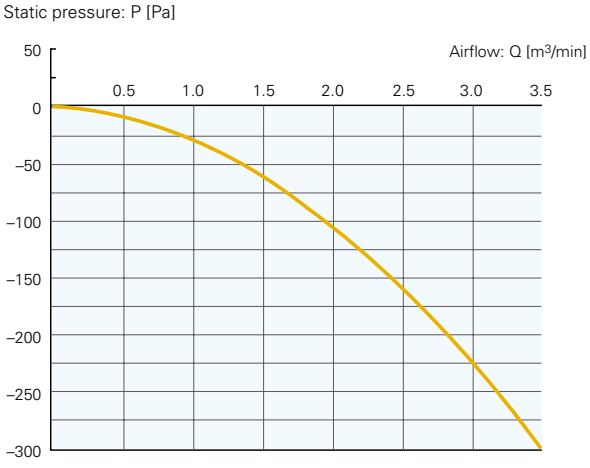
✻ Access door is required

Fresh-air Intake

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



● Intake-air volume



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

SLZ–KA SERIES

Indoor Unit

SLZ-KA25/35/50VAQ3 (Requires Wired Remote Controller)
SLZ-KA25/35/50VAL3 (Wireless Remote Controller is enclosed)

Panel

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

Outdoor Unit

SUZ-KA25/35VA4

SUZ-KA50VA4

Remote Controller

Enclosed in
SLZ-KA25/35/50VAL3

*optional
(for SLZ-KA VAQ3)

*optional
(for SLZ-KA VAQ3)

Type				Inverter Heat Pump					
Indoor Unit				SLZ-KA25VAQ3	SLZ-KA25VAL3	SLZ-KA35VAQ3	SLZ-KA35VAL3	SLZ-KA50VAQ3	SLZ-KA50VAL3
Outdoor Unit				SUZ-KA25VA4		SUZ-KA35VA4		SUZ-KA50VA4	
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	0.650		0.972		1.393	
	Design Load		kW	2.6		3.5		4.6	
	Annual Electricity Consumption*2		kWh/a	166		211		282	
	SEER			5.5		5.8		5.7	
		Energy Efficiency Class		A		A+		A+	
Heating (Average Season)	**Capacity**	Rated	kW	3.2		4.0		5.0	
		Min - Max	kW	1.3 - 4.5		1.7 - 5.0		1.7 - 6.5	
	Total Input	Rated	kW	0.820		1.087		1.540	
	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	709		866		1228	
	SCOP			4.3		4.2		4.1	
		Energy Efficiency Class		A+		A+		A+	
Operating Current (max)			A	7.4		8.6		12.7	
Indoor Unit	**Input**	Rated	kW	0.05		0.05		0.05	
	Operating Current (max)		A	0.4		0.4		0.4	
	Dimensions <Panel>	H × W × D	mm	235-570-570 <20-650-650>		235-570-570 <20-650-650>		235-570-570 <20-650-650>	
	Weight <Panel>		kg	16 <3>		16 <3>		16 <3>	
	Air Volume [Lo-Mid-Hi]		m^3/min	8 - 9 - 11		8 - 9 - 11		8 - 9 - 11	
	Sound Level (SPL) [Lo-Mid-Hi]		dB(A)	29 - 33 - 38		29 - 33 - 38		30 - 34 - 39	
	Sound Level (PWL)		dB(A)	57		57		58	
Outdoor Unit	**Dimensions**	H × W × D	mm	550 - 800 - 285		550 - 800 - 285		880 - 840 - 330	
	Weight		kg	30		35		54	
	Air Volume	Cooling	m^3/min	32.6		36.3		44.6	
		Heating	m^3/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	
	Operating Current (max)		A	7.0		8.2		12.0	
	Breaker Size		A	10		10		20	
Ext. Piping	**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 1kg of CO_2, 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.

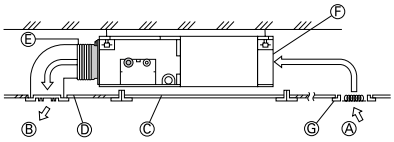
SEZ SERIES

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.

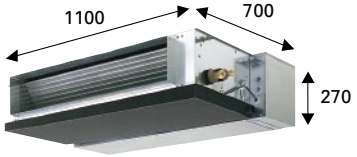
Compact Ceiling-concealed Units

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.



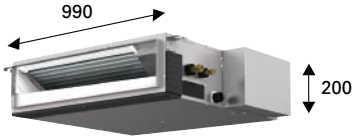
Ⓐ Air inlet
Ⓑ Air outlet
Ⓒ Access door
Ⓓ Ceiling surface
Ⓔ Canvas duct
Ⓕ Air filter
Ⓖ Inlet grille

Dimension Comparison



SEZ-KA35VA

Width reduced by **110mm**



Height reduced by **70mm**

SEZ-KD35VAQ

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.

	SPL (Low Fan Mode)	
	SEZ-KA	SEZ-KD
External Static Pressure	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

EUROVENT CERTIFIED PERFORMANCE www.eurovent-certification.com

DC Inverter | Joint Lap | DC Rotary | Rare Earth Magnet | DC Fan Motor | PAM | Grooved Piping | Heat Caulking Fixing Method

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-KA25/35VA4

SUZ-KA50/60/71VA4

Remote Controller

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

*optional
(for SEZ-KD VAQ)

*optional
(for SEZ-KD VAQ)

AUTO | ACO | Auto Restart | Low Temp Cooling | VAQ Optional | Group Control Optional | M-NET connection Optional | Wi-Fi Interface Optional | MXZ connection | Drain Lift Up Optional | Flare connection | Self Diagnosis | Failure Recall

Type				Inverter Heat Pump				
Indoor Unit				SEZ-KD25VAQ/VAL	SEZ-KD35VAQ/VAL	SEZ-KD50VAQ/VAL	SEZ-KD60VAQ/VAL	SEZ-KD71VAQ/VAL
Outdoor Unit				SUZ-KA25VA4	SUZ-KA35VA4	SUZ-KA50VA4	SUZ-KA60VA4	SUZ-KA71VA4
Refrigerant				R410A*1				
Power Supply	Source			Outdoor power supply				
	Outdoor (V/Phase/Hz)			230 / Single / 50				
Cooling	Capacity	Rated	kW	2.5	3.5	5.1	5.6	7.1
		Min - Max	kW	1.5 - 3.2	1.4 - 3.9	2.3 - 5.6	2.3 - 6.3	2.8 - 8.3
	Total Input	Rated	kW	0.730	1.010	1.580	1.740	2.210
	Design Load		kW	2.5	3.5	5.1	5.6	7.1
	Annual Electricity Consumption*2		kWh/a	168	219	313	376	477
	SEER*3			5.2	5.6	5.7	5.2	5.2
		Energy Efficiency Class		A	A+	A+	A	A
Heating (Average Season)	Capacity	Rated	kW	2.9	4.2	6.4	7.4	8.1
		Min - Max	kW	1.3 - 4.5	1.7 - 5.0	1.7 - 7.2	2.5 - 8.0	2.6 - 10.4
	Total Input	Rated	kW	0.803	1.130	1.800	2.200	2.268
	Design Load		kW	2.2	2.8	4.6	5.5	6.0
	Declared Capacity	at reference design temperature	kW	1.9 (–10°C)	2.5 (–10°C)	4.1 (–10°C)	4.8 (–10°C)	5.3 (–10°C)
		at bivalent temperature	kW	1.9 (–7°C)	2.5 (–7°C)	4.1 (–7°C)	4.8 (–7°C)	5.3 (–7°C)
		at operation limit temperature	kW	1.9 (–10°C)	2.5 (–10°C)	4.1 (–10°C)	4.8 (–10°C)	5.3 (–10°C)
	Back Up Heating Capacity		kW	0.3	0.3	0.5	0.7	0.7
	Annual Electricity Consumption*2		kWh/a	808	979	1653	1878	2202
	SCOP*3			3.8	4.0	3.9	4.1	3.8
		Energy Efficiency Class		A	A+	A	A+	A
Operating Current (max)			A	7.4	8.7	12.7	14.7	17.0
Indoor Unit	Input	Rated	kW	0.040	0.050	0.070	0.070	0.100
	Operating Current (max)		A	0.4	0.5	0.7	0.7	0.9
	Dimensions <Panel>	H × W × D	mm	200 - 790 - 700	200 - 990 - 700	200 - 990 - 700	200 - 1190 - 700	200 - 1190 - 700
	Weight <Panel>		kg	18	21	23	27	27
	Air Volume [Lo-Mid-Hi]		m^3/min	6 - 7 - 9	7 - 9 - 11	10 - 13 - 15	12 - 15 - 18	12 - 16 - 20
	External Static Pressure		Pa	5 / 15 / 35 / 50	5 / 15 / 35 / 50	5 / 15 / 35 / 50	5 / 15 / 35 / 50	5 / 15 / 35 / 50
	Sound Level (SPL) [Lo-Mid-Hi]		dB(A)	22 - 25 - 29	23 - 28 - 33	29 - 33 - 36	29 - 33 - 37	29 - 34 - 39
	Sound Level (PWL)		dB(A)	50	53	57	58	60
Outdoor Unit	Dimensions	H × W × D	mm	550 - 800 - 285	550 - 800 - 285	880 - 840 - 330	880 - 840 - 330	880 - 840 - 330
	Weight		kg	30	35	54	50	53
	Air Volume	Cooling	m^3/min	32.6	36.3	44.6	40.9	50.1
		Heating	m^3/min	34.7	34.8	44.6	49.2	48.2
	Sound Level (SPL)	Cooling	dB(A)	47	49	52	55	55
		Heating	dB(A)	48	50	52	55	55
	Sound Level (PWL)	Cooling	dB(A)	58	62	65	65	69
	Operating Current (max)		A	7.0	8.2	12.0	14.0	16.1
	Breaker Size		A	10	10	20	20	20
Ext. Piping	Diameter	Liquid / Gas	mm	6.35 / 9.52	6.35 / 9.52	6.35 / 12.7	6.35 / 15.88	9.52 / 15.88
	Max. Length	Out-In	m	20	20	30	30	30
	Max. Height	Out-In	m	12	12	30	30	30
Guaranteed Operating Range [Outdoor]		Cooling	°C	–10 ~ +46	–10 ~ +46	–15 ~ +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 1kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 1975 times higher than 1kg of CO_2, 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.