



Residential

Product Line 2019/20
Compact Catalogue

For every need you have, we have the right solution.

for a greener tomorrow





Residential

M Series

KIRIGAMINE SERIES



Smart design and high efficiency air-conditioners, improved air-filtration and noiselessness.

WALL MOUNTED

MSZ-LN DC Inverter/Heat pump	R32	10
MSZ-LN HYPER HEATING DC Inverter/Heat pump	R32	12
MSZ-EF DC Inverter/Heat pump	R32	14

PLUS SERIES

PLUS

Efficient air-conditioners, noiselessness, perfect for any residential application.

WALL MOUNTED

MSZ-AP DC Inverter/Heat pump	R32	16
MSZ-SF DC Inverter/Heat pump	R32	20
MSZ-GF DC Inverter/Heat pump	R32	22

FLOOR STANDING

MFZ-KT DC Inverter/Heat Pump	R32	28
MFZ-KJ DC Inverter/Heat Pump		30
MFZ-KJ Hyper Heating DC Inverter/Heat Pump		32



1 WAY CASSETTE

MLZ-KP DC Inverter/Heat pump **R32** 34

WALL MOUNTED

MSZ-HR DC Inverter/Heat pump **NOVITÀ R32** 24

MSZ-HJ DC Inverter/Heat pump **R410A** 26

MXZ Series

MULTISPLIT DC INVERTER OUTDOOR UNITS

MXZ-F 2/4 ports **NOVITÀ R32** 40

MXZ-D/E 2/6 ports 42

MXZ-HA 2/3 ports **NOVITÀ R32** 44

MXZ-DM 2/3 ports 46

MXZ HYPER HEATING 48

Y Series

SMALL Y COMPACT LINE

DC INVERTER/HEAT PUMP

PUMY-SP with Branch Box from 12,5 to 15,5 kW 49

Ventilation

VL-50SR₂-E - Heat recuperators one-pipe wall mounted 50

VL-100EU₅-E - Heat recuperators wall mounted 51

GK - Air curtains 52

Jet Towel

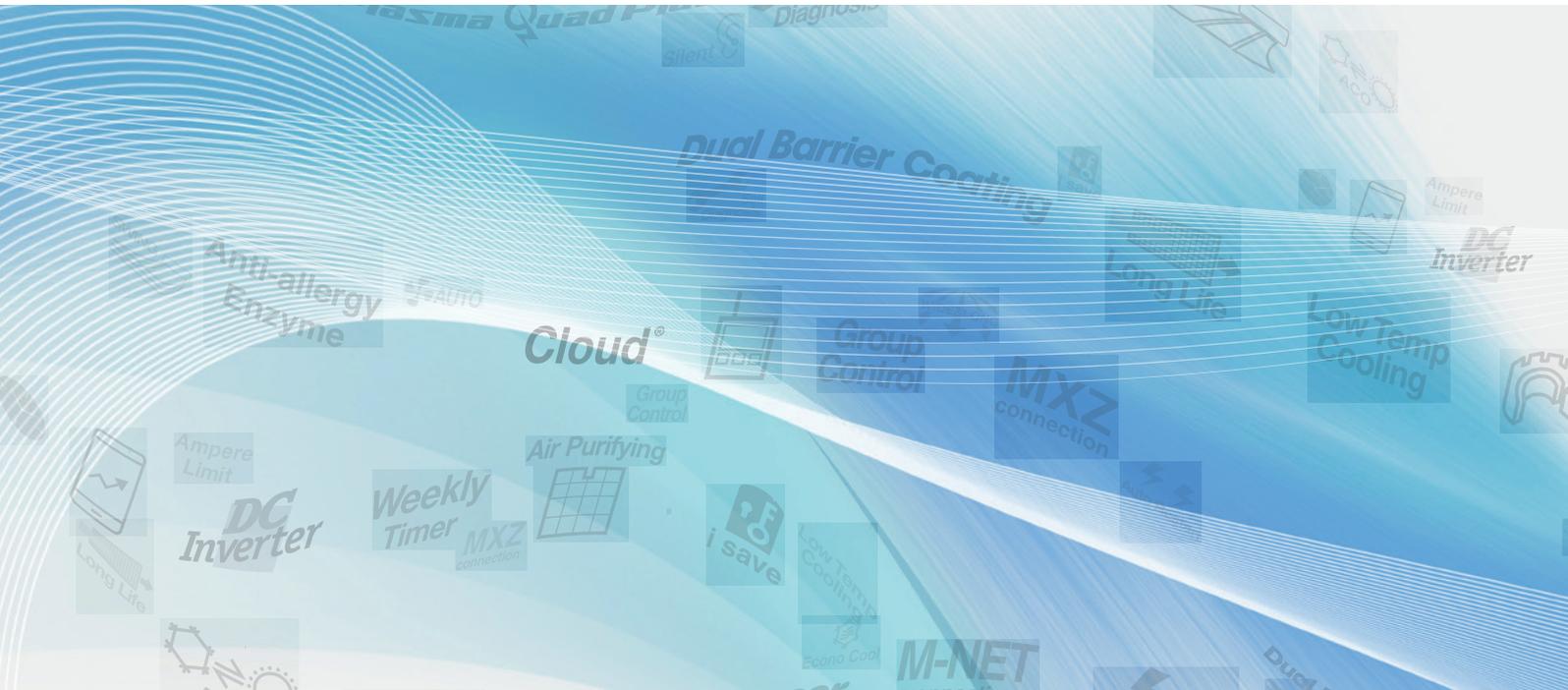
JET TOWEL SLIM 54

JET TOWEL SMART 54



Key Technologies

Mitsubishi Electric develops functions and technologies tailored to maximize comfort and energy efficiency.



Technologies



DC Inverter

Mitsubishi Electric inverters ensure superior performance including the optimum control of operation frequency. As a result, optimum power is applied in all heating/cooling ranges and maximum comfort is achieved while consuming minimal energy. Fast, comfortable operation and amazingly low running cost.



Compressor

Mitsubishi Electric developed a brand new compressor. The DC Inverter engine is super compact and high efficient: it's called "Poki Poki".



Mitsubishi Electric Replace Technology

Mitsubishi Electric's air conditioning products allow to recycle the existing pipes when you replace the external unit. The advantages are: cut of working times, less costs, environmental respect.

Energy Saving



3D i-see sensor

3D i-see Sensor is not only able to count the number of people in a room, but also to direct or not direct the air flow toward the areas where presence is detected. Energy saving features make possible the optimization of environmental comfort and the reduction of energy waste.



Ampere Limit

Dipswitch setting can be used to limit the maximum electrical current absorbed for operation to a preset value. This function is highly recommended for managing energy consumption in case of a limited supply of electricity.



Energy Monitoring

Energy monitoring, available on MelCloud, allows the user to check the air conditioning's energy consumption via smartphone, tablet or other mobile devices.



Energy Efficiency Class

Mitsubishi Electric's air conditioning units ensure top levels of energy efficiency consumption. Check the Energy Efficiency Class in products' specs tables.



Air Quality



Plasma Quad Plus

Plasma Quad Plus is a plasma-based filter system that effectively removes six kinds of air pollutants (bacteria, viruses, mold, allergens, dust, PM2.5). It captures and destroys mold and allergens thanks to electric fields and a series of electrical discharges.



Deodorizing Filter

Deodorizing filter catches and removes bad smells. The deodorizing action is high efficient against cooking and animal smells.



Long Life Filter

Surface of this kind of filters requires less maintenance than conventional filters.



Silver Ion Purification Air Filter

This filter generates stable antibacterial and deodourising effects. The superior air-cleaning effectiveness raises room comfort to another level.



Dual Barrier Coating

Dual Barrier Coating prevents dust and greasy dirt from getting into the air conditioner. This dual coating on the inner surface keeps the air conditioner clean year-round.

Air Distribution



Horizontal Deflector Swing

Continuous horizontal deflector swing makes easy to spread air into the room.



Vertical Deflector Swing

Powered vertical deflector swing makes easy to spread air into the room.



Automatic Fan

Fan speed is adjusted automatically to satisfy the desired level of comfort.



Wide & Long

A high and powered air flow combined with a wide range of air diffusion allows to reach every corner in a large environment.

Set Up and Maintenance



Wiring/Piping Correction Function

The push of a single button is all that is required to confirm that piping and wiring are properly connected. Corrections are made automatically if a wiring error is detected.



Self Diagnostics

A self diagnosis system make easier all restoration activities.

Controls



M-Net Connection

Units can be connected to MELANS system controllers (M-NET controllers).



Wired Controller

It's possible to use a wired controller for manage the indoor unit.



System Group Control

The same remote controller is capable of controlling the operational status of up to 16 refrigerant systems.

Acoustic Comfort



Sound Pressure

Mitsubishi Electric is able to guarantee for his products a silent operating mode, to maximize comfort. More details are available into specific product tables.



Night mode

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

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



Silent Mode

System operation can be adjusted to prioritise less noise from the outdoor unit over air conditioning performance.

Functions



Timer ON/OFF

It's possible to set a timer for the switching "ON/OFF" for the air conditioner.



Weekly Timer

It's easy to set desired temperatures and operation ON/OFF times to match lifestyle patterns.



Automatic Switching

The air conditioner automatically switches the operating mode (cooling/heating) according to the selected temperature.



Low-Temperature Cooling

Intelligent fan speed control in the outdoor unit ensures optimum performance even when the outside temperature is low.



Auto Restart

Especially useful at time of power outages, the unit turns back on automatically when power is restored.



"I Save"

"I Save" is a simplified setting function that recalls the preferred (preset) temperature by pressing a single button on the remote controller.



Multisplit connection

The indoor unit can be connected to multisplit inverter system.



MELCloud, Wi-Fi control

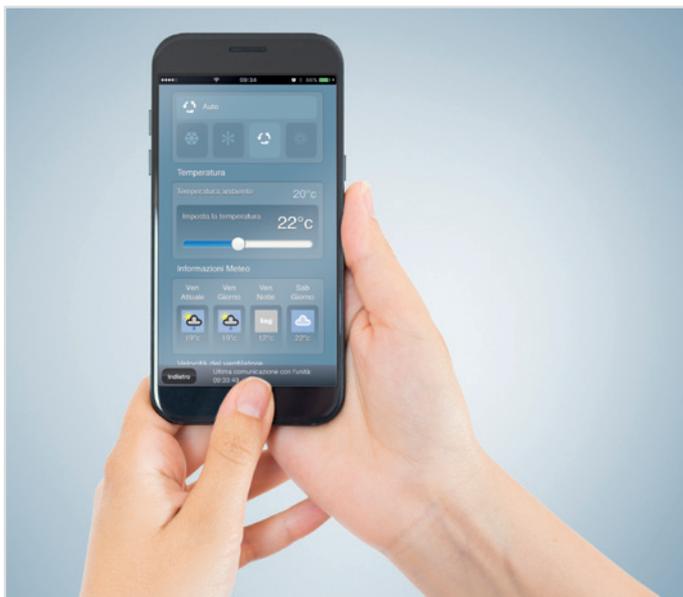
MELCloud is a new Cloud-based solution for controlling air-conditioner either locally or remotely by computer, tablet or smartphone, via internet.

Setting up and remotely operating via MELCloud is simple, and straight forward. All you need is wireless computer connectivity in your home or the building where the air-conditioner is installed and an Internet connection on your mobile or fixed terminal.

System registration

To activate MELCloud system it's mandatory register the system. To set up the system, the router and the WiFi interface must be paired, and this is done simply and quickly using the WPS button found on all mainstream routers.

When the interface is paired, it's possible to proceed with system registration. It's suggested to reach the website "melcloud.com", register yourself as user and register the interface.



MSZ-LN

M SERIES - WALL MOUNTED

DC Inverter/Heat pump



- Luminous and luxurious design
- Superlative performances
- Double flap - horizontal and vertical vanes move independently
- WiFi built in
- **Plasma Quad Plus filter for high air quality**
- **3D I-see-Sensor**
- New **Dual Barrier Coating technology**
- New refrigerant (R32) - Reduced environmental impact
- Multisplit compatible

Key Technologies

				*Optional				

Technical specifications DC INVERTER / HEAT PUMP

MODEL			SET	MSZ-LN18VG	MSZ-LN25VG	MSZ-LN35VG	MSZ-LN50VG	MSZ-LN60VG
			Indoor Unit	MSZ-LN18VGW/V/R/B	MSZ-LN25VGW/V/R/B	MSZ-LN35VGW/V/R/B	MSZ-LN50VGW/V/R/B	MSZ-LN60VGW/V/R/B
			Outdoor Unit	for MXZ connection	MUZ-LN25VG	MUZ-LN35VG	MUZ-LN50VG	MUZ-LN60VG
Cooling	Capacity (rated/min/max)	T=+35°C	kW	-	2,5 (1,0 -3,5)	3,5 (0,8 - 4,0)	5,0 (1,0 - 6,0)	6,1 (1,4-6,9)
	Total Input (rated)	T=+35°C	kW	-	0,485	0,82	1,381	1,79
	Design Load (<i>PdesignC</i>)	T=+35°C	kW	-	2,5	3,5	5	6,1
	SEER			-	10,5	9,5	8,5	7,5
	Energy efficiency class			-	A+++	A+++	A+++	A++
Annual electric consumption ¹			kWh/a	-	83	128	205	285
Heating average season	Capacity (rated/min/max)	T=+7°C	kW	-	3,2 (0,8 - 5,4)	4,0 (1,0 - 6,3)	6,0 (1,0 - 8,2)	6,8 (1,8 - 9,3)
	Total Input (rated)	T=+7°C	kW	-	0,58	0,8	1,48	1,81
	Design Load (<i>Pdesignh</i>)	T=-10°C	kW	-	3	3,6	4,5	6
	SCOP			-	5,2	5,1	4,6	4,6
	Classe di efficienza energetica			-	A+++	A+++	A++	A++
Annual electric consumption ¹			kWh/a	-	794	974	1369	1826
Indoor Unit	Dimensions	H x W x D	mm	307 x 890 x 233				
	Sound level (SLP)	Cooling	dB(A)	19 - 23 - 29 - 36 - 42	19 - 23 - 29 - 36 - 42	19 - 24 - 29 - 36 - 43	27 - 31 - 35 - 39 - 46	29 - 37 - 41 - 45 - 49
		Heating	dB(A)	19 - 24 - 29 - 36 - 45	19 - 24 - 29 - 36 - 45	19 - 24 - 29 - 36 - 45	25 - 29 - 34 - 39 - 47	29 - 37 - 41 - 45 - 49
Sound level (PWL)	Rated	dB(A)	58	58	58	60	65	
Outdoor unit	Dimensions	H x W x D	mm	-	550 x 800 x 285	550 x 800 x 285	714 x 800 x 285	880 x 840 x 330
	Sound level (SLP)	min/max	dB(A)	-	46 / 49	49 / 50	51 / 54	55 / 55
	Sound level (PWL)	Rated	dB(A)	-	60	61	64	65
Refrigerant	Pre-charge		kg	-	R32 / 1,00	R32 / 1,00	R32 / 1,25	R32 / 1,45
	GWP ² / Tons CO ₂ Eq.			-	675 / 0,675	675 / 0,675	675 / 0,78	675 / 0,98

^{1,2} Refer to pag. 56 for notes

Accessories

	DESCRIPTION	DURATION	SERIE/OPZ.
MAC-2390FT-E	Silver-ion air purification filter	12 months	Optional
MAC-3010FT-E	Deodorizing filter	-	Built-in
MAC-1702RA-E	External input connector	-	Optional

MSZ-LN Hyper Heating

M SERIES - WALL MOUNTED

DC Inverter/Heat pump

KIRIGAMINE
Style



- Luminous and luxurious design
- Superlative performances
- Double flap - horizontal and vertical vanes move independently
- WiFi built in
- **Plasma Quad Plus filter for high air quality**
- **3D I-see-Sensor**
- New **Dual Barrier Coating technology**
- Enhanced performance under low out-door temperature
- Multisplit compatible

Key Technologies

*Optional

Technical specifications DC INVERTER / HEAT PUMP

MODEL		SET		MSZ-LN25VG	MSZ-LN35VG	MSZ-LN50VG
		Indoor Unit		MSZ-LN25VGW/V/R/B	MSZ-LN35VGW/V/R/B	MSZ-LN50VGW/V/R/B
		Outdoor Unit		MUZ-LN25VGHZ	MUZ-LN35VGHZ	MUZ-LN50VGHZ
Cooling	Capacity (rated/min/max)	T=+35°C	kW	2,5 (0,8 - 3,5)	3,5 (0,8 - 4,0)	5,0 (1,4 - 5,8)
	Total Input (rated)	T=+35°C	kW	0,485	0,82	1,38
	Design Load (<i>PdesignC</i>)	T=+35°C	kW	2,5	3,5	5
	SEER			10,5	9,4	7,6
	Energy efficiency class			A+++	A+++	A++
	Annual electric consumption ¹		kWh/a	83	130	230
Heating average season	Capacity (rated/min/max)	T=+7°C	kW	3,2 (1,0 - 6,3)	4,0 (1,0 - 6,6)	6,0 (1,8 - 8,7)
	Total Input (rated)	T=+7°C	kW	0,58	0,8	1,48
	Design Load (<i>Pdesignh</i>)	T=-10°C	kW	3	3,6	4,5
	SCOP			5,2	5,1	4,6
	Classe di efficienza energetica			A+++	A+++	A++
	Annual electric consumption ¹		kWh/a	794	974	1369
Indoor Unit	Dimensions	H x W x D	mm	307 x 890 x 233	307 x 890 x 233	307 x 890 x 233
	Sound level (SLP)	Cooling	dB(A)	19 - 23 - 29 - 36 - 42	19 - 24 - 29 - 36 - 43	27 - 31 - 35 - 39 - 46
		Heating	dB(A)	19 - 24 - 29 - 36 - 45	19 - 24 - 29 - 36 - 45	25 - 29 - 34 - 39 - 47
	Sound level (PWL)	Rated	dB(A)	58	58	60
Outdoor unit	Dimensions	H x W x D	mm	550 x 800 x 285	550 x 800 x 285	880 x 840 x 330
	Sound level (SLP)	min/max	dB(A)	46 / 49	49 / 50	51 / 54
	Sound level (PWL)	Rated	dB(A)	60	61	64
Refrigerant	Pre-charge		kg	R32 / 1,00	R32 / 1,00	R32 / 1,25
	GWP ² / Tons CO ₂ Eq.			675 / 0,675	675 / 0,675	675 / 0,78

^{1,2} Refer to pag. 56 for notes

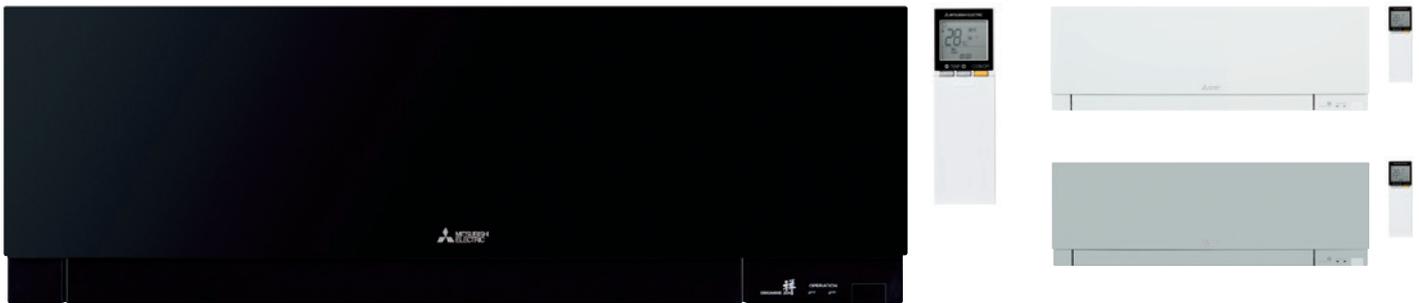
Accessories	DESCRIPTION	DURATION	SERIE/OPZ.
MAC-2390FT-E	Silver-ion air purification filter	12 months	Optional
MAC-3010FT-E	Deodorizing filter	-	Built-in
MAC-1702RA-E	External input connector	-	Optional

MSZ-EF

M SERIES - WALL MOUNTED

DC Inverter/Heat pump

禪
KIRIGAMINE ZEN



- Classy design
- Backlit remote
- High energy efficiency
- Quiet comfort all day long
- Silver Ion purification filter built-in
- Weekly timer
- Multisplit compatible



Key Technologies

*Optional

Technical specifications DC INVERTER / HEAT PUMP

MODEL			SET	MSZ-EF18VG	MSZ-EF22VG	MSZ-EF25VG	MSZ-EF35VG	MSZ-EF42VG	MSZ-EF50VG
			Indoor Unit	MSZ-EF18VGW	MSZ-EF22VGW/B/S	MSZ-EF25VGW/B/S	MSZ-EF35VGW/B/S	MSZ-EF42VGW/B/S	MSZ-EF50VGW/B/S
			Outdoor Unit	SOLO MULTISPLIT	SOLO MULTISPLIT	MUZ-EF25VG	MUZ-EF35VG	MUZ-EF42VG	MUZ-EF50VG
Cooling	Capacity (rated/min/max)	T=+35°C	kW	1,8	2,2	2,5 (0,9-3,4)	3,5 (1,1-4,0)	4,2 (0,9-4,6)	5,0 (1,4-5,4)
	Total Input (rated)	T=+35°C	kW	-	-	0,54	0,91	1,20	1,55
	Design Load (PdesignC)	T=+35°C	kW	-	-	2,5	3,5	4,2	5,0
	SEER			-	-	9,1	8,8	7,9	7,5
	Energy efficiency class			-	-	A+++	A+++	A++	A++
	Annual electric consumption ¹		kWh/a	-	-	96	139	186	233
Heating average season	Capacity (rated/min/max)	T=+7°C	kW	2,5	3	3,2 (1,0-4,2)	4,0 (1,3-5,1)	5,4 (1,3-6,3)	5,8 (1,4-7,5)
	Total Input (rated)	T=+7°C	kW	-	-	0,700	0,950	1,455	1,560
	Design Load (Pdesignh)	T=-10°C	kW	-	-	2,4	2,9	3,8	4,2
	SCOP			-	-	4,7	4,6	4,6	4,5
	Energy efficiency class			-	-	A++	A++	A++	A+
	Annual electric consumption ¹		kWh/a	-	-	713	882	1151	1304
Indoor Unit	Dimensions	H x W x D	mm	299 x 885 x 195					
	Sound level (SLP)	Cooling	dB(A)	19-23-29-36-42	19-23-29-36-42	19-23-29-36-42	21-24-30-36-42	28-31-35-39-43	30-33-36-40-43
		Heating	dB(A)	21-24-29-37-45	21-24-29-37-45	21-24-29-37-45	21-24-30-38-46	28-30-35-41-48	30-33-37-43-49
Sound level (PWL)	Rated	dB(A)	-	-	60	60	60	60	
Outdoor unit	Dimensions	H x W x D	mm	-	-	550 x 800 x 285	550 x 800 x 285	550 x 800 x 285	714 x 800 x 285
	Sound level (SLP)	min/max	dB(A)	-	-	47-48	49-50	50-51	52-52
	Sound level (PWL)	Rated	dB(A)	-	-	58	62	62	65
Refrigerant	Pre-charge		kg	R-32 / -	R-32 / -	R-32 / 0,62	R-32 / 0,74	R-32 / 0,74	R-32 / 0,70
	GWP ² / Tons CO ₂ Eq.			675 / -	675 / -	675 / 0,42	675 / 0,50	675 / 0,50	675 / 0,71

^{1,2} Refer to pag. 56 for notes

Accessories	DESCRIPTION	DURATION	SERIE/OPZ.
MAC-2370FT-E / MAC-2320FT-E	Silver-ion air purification filter	12 months	Built-in
MAC-5671F-E	Wi-Fi interface	-	Optional

NEW

MSZ-AP

M SERIES - WALL MOUNTED
DC Inverter/Heat pump

PLUS



- Compact and smart design
- High energy efficiency
- Auto vane control - left and right, up and down movements
- Horizontal airflow
- Quiet operation
- Weekly timer
- Multisplit compatible



Key Technologies

* Optional, ¹ 25-50

Technical specifications DC INVERTER / HEAT PUMP

MODEL		SET	MSZ-AP15VG	MSZ-AP20VG	MSZ-AP25VG (K)	MSZ-AP35VG (K)	MSZ-AP42VG (K)	MSZ-AP50VG (K)	
		Indoor Unit	MSZ-AP15VG	MSZ-AP20VG	MSZ-AP25VG	MSZ-AP35VG	MSZ-AP42VG	MSZ-AP50VG	
		Outdoor Unit	SOLO MULTISPLIT	MUZ-AP20VG	MUZ-AP25VG(H)	MUZ-AP35VG(H)	MUZ-AP42VG(H)	MUZ-AP50VG(H)	
Cooling	Capacity (rated/min/max)	T=+35°C	kW	1,5 (0,9 -2,4)	2,0 (0,9 -2,6)	2,5 (0,9 - 3,4)	3,5 (1,1 - 3,8)	4,2 (0,9 - 4,5)	5,0 (1,4 - 5,4)
	Total Input (rated)	T=+35°C	kW	-	0,46	0,6	0,99	1,3	1,55
	Design Load (PdesignC)	T=+35°C	kW	-	2,0	2,5	3,5	4,2	5
	SEER			-	8,6	8,6	8,6	7,8	7,4
	Energy efficiency class			-	A+++	A+++	A+++	A++	A++
Annual electric consumption ¹			kWh/a	-	nd	101	142	188	236
Heating average season	Capacity (rated/min/max)	T=+7°C	kW	1,7 (0,9 - 3,1)	2,5 (0,9 - 3,1)	3,2 (1,0 4,1)	4,0 (1,3 - 4,6)	5,4 (1,3 - 6,0)	5,8 (1,4 - 7,3)
	Total Input (rated)	T=+7°C	kW	-	0,6	0,78	1,03	1,49	1,6
	Design Load (Pdesignh)	T=-10°C	kW	-	nd	2,4	2,9	3,8	4,2
	SCOP			-	4,1	4,8	4,7	4,7	4,7
	Energy efficiency class			-	A+	A++	A++	A++	A++
Annual electric consumption ¹			kWh/a	-	nd	698	862	1120	1250
Indoor Unit	Dimensions	H x W x D	mm	250 x 760 x 178	250 x 760 x 178	299 x 798 x 219			
	Sound level (SLP)	Cooling	dB(A)	21-26-30-35-40	21-26-30-35-42	19-24-30-36-42	19-24-30-36-42	21-29-34-38-42	28-33-36-40-44
		Heating	dB(A)	21-26-30-35-40	21-26-30-35-42	19-24-34-39-45	19-24-31-38-45	21-29-35-40-45	28-33-38-43-48
Sound level (PWL)	Rated	dB(A)	59	60	57	57	57	58	
Outdoor unit	Dimensions	H x W x D	mm	-	550 x 800 x 285	714 x 800 x 285			
	Sound level (SLP)	min/max	dB(A)	-	nd	47 / 48	49 / 50	50 / 51	52 / 52
	Sound level (PWL)	Rated	dB(A)	-	nd	59	61	61	64
Refrigerant	Pre-charge		kg	R32 / -	R32 / 0,55	R32 / 0,55	R32 / 0,55	R32 / 0,70	R32 / 1,00
	GWP ² / Tons CO ₂ Eq.			675 / -	675 / 0,37	675 / 0,37	675 / 0,37	675 / 0,47	675 / 0,68

^{1,2} Refer to pag. 56 for notes

Accessories	DESCRIPTION	DURATION	SERIE/OPZ.
MAC-2370FTE / MAC-2320FTE	Silver-ion air purification filter	12 months	Optional
MAC-1702RA-E	External input connector (25-50 sizes)	-	Optional
MAC-567IF-E	Wi-Fi interface	-	Optional

Key Technologies

* Optional

Technical specifications DC INVERTER / HEAT PUMP

MODEL			SET	MSZ-AP60VG (K)	MSZ-AP71VG (K)
			Indoor Unit	MSZ-AP60VG	MSZ-AP71VG
			Outdoor Unit	MUZ-AP60VG	MUZ-AP71VG
Cooling	Capacity (rated/min/max)	T=+35°C	kW	6,1 (1,4 - 7,3)	7,1 (2,0 - 8,7)
	Total Input (rated)	T=+35°C	kW	1,59	2,01
	SEER			7,4	7,2
	Energy efficiency class			A++	A++
	Annual electric consumption ¹		kWh/a	288	345
Heating average season	Capacity (rated/min/max)	T=+7°C	kW	6,8 (2,0 - 8,6)	8,1 (2,2 - 10,3)
	Total Input (rated)	T=+7°C	kW	1,67	2,12
	Design Load (P _{designh})	T=-10°C	kW	4,6	6,7
	SCOP			4,6	4,4
	Energy efficiency class			A++	A+
Annual electric consumption ¹		kWh/a	1398	2132	
Indoor Unit	Dimensions	H x W x D	mm	325 x 1100 x 257	325 x 1100 x 257
	Sound level (SLP)	Cooling	dB(A)	29 - 37 - 41 - 45 - 48	30 - 37 - 41 - 45 - 49
		Heating	dB(A)	30 - 37 - 41 - 45 - 48	30 - 37 - 41 - 45 - 51
	Sound level (PWL)	Rated	dB(A)	65	65
Outdoor unit	Dimensions	H x W x D	mm	714 x 800 x 285	880 x 840 x 330
	Sound level (SLP)	min/max	dB(A)	56 - 57	55 - 56
	Sound level (PWL)	Rated	dB(A)	69	69
Refrigerant	Pre-charge		kg	R32 / 1,05	R32 / 1,50
	GWP ² / Tons CO ₂ Eq.			675 / 0,71	675 / 1,02

^{1,2} Refer to pag. 56 for notes

Accessories	DESCRIPTION	DURATION	SERIE/OPZ.
MAC-567IF-E	Wi-Fi interface	-	Optional
MAC-2360F-E	Silver-ion air purification filter	-	Optional

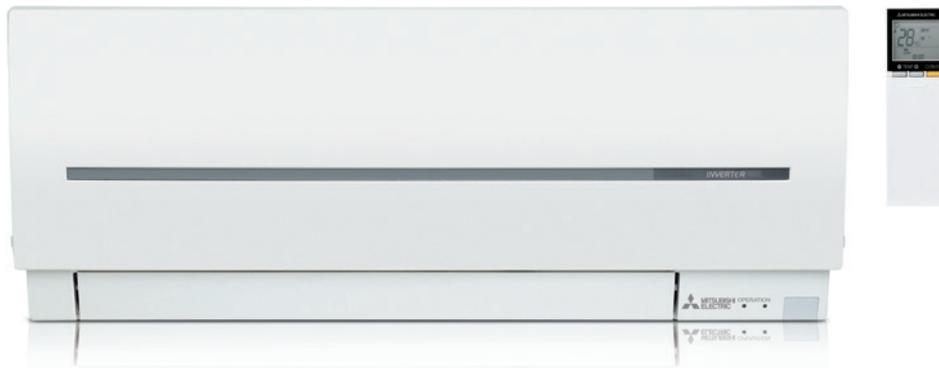


MSZ-SF

M SERIES - WALL MOUNTED

DC Inverter/Heat pump

PLUS



- Compact and thin design
- High energy efficiency
- Quiet operation
- Weekly timer
- Multisplit compatible



Key Technologies

* Optional, 1'25-50

Technical specifications DC INVERTER / HEAT PUMP

MODEL		SET	MSZ-SF15VA	MSZ-SF20VA	MSZ-SF25VE	MSZ-SF35VE	MSZ-SF42VE	MSZ-SF50VE	
		Indoor Unit	MSZ-SF15VA	MSZ-SF20VA	MSZ-SF25VE3	MSZ-SF35VE3	MSZ-SF42VE3	MSZ-SF50VE3	
		Outdoor Unit	SOLO MULTISPLIT	SOLO MULTISPLIT	MUZ-SF25VE(H)	MUZ-SF35VE(H)	MUZ-SF42VE(H)	MUZ-SF50VE(H)	
Cooling	Capacity (rated/min/max)	T=+35°C	kW	1,5 (0,9-2,4)	2,0 (0,9-2,6)	2,5 (0,9-3,4)	3,5 (1,1-3,8)	4,2 (0,8-4,5)	5,0(1,4-5,4)
	Total Input (rated)	T=+35°C	kW	-	-	0,600	1,080	1,340	1,660
	Design Load (PdesignC)	T=+35°C	kW	-	-	2,5	3,5	4,2	5,0
	SEER			-	-	7,6	7,2	7,5	7,2
	Energy efficiency class			-	-	A++	A++	A++	A++
	Annual electric consumption ¹		kWh/a	-	-	116	171	196	246
Heating average season	Capacity (rated/min/max)	T=+7°C	kW	1,7 (0,9-3,1)	2,2 (0,9-3,1)	3,2 (1,0-4,1)	4,0 (1,3-4,6)	5,4 (1,3-6,0)	5,8 (1,4-7,3)
	Total Input (rated)	T=+7°C	kW	-	-	0,780	1,030	1,580	1,700
	Design Load (Pdesignh)	T=-10°C	kW	-	-	2,4	2,9	3,8	4,2
	SCOP			-	-	4,4	4,4	4,4	4,4
	Energy efficiency class			-	-	A+	A+	A+	A+
	Annual electric consumption ¹		kWh/a	-	-	764	923	1215	1351
Indoor Unit	Dimensions	H x W x D	mm	250 x 760 x 168	250 x 760 x 168	299 x 798 x 195			
	Sound level (SLP)	Cooling	dB(A)	21-26-30-35-40	21-26-30-35-42	19-24-30-36-42	19-24-30-36-42	26-31-34-38-42	28-33-36-40-45
		Heating	dB(A)	21-26-30-35-40	21-26-30-35-42	19-24-34-39-45	19-24-34-40-46	26-31-36-42-47	28-33-38-43-49
Sound level (PWL)	Rated	dB(A)	-	-	57	57	57	58	
Outdoor unit	Dimensions	H x W x D	mm	-	-	550 x 800 x 285	550 x 800 x 285	550 x 800 x 285	880 x 840 x 330
	Sound level (SLP)	min/max	dB(A)	-	-	47/48	49/50	50/51	52/52
	Sound level (PWL)	Rated	dB(A)	-	-	58	62	63	65
Refrigerant	Pre-charge		kg	R410A / -	R410A / -	R410A / 0,70	R410A / 0,80	R410A / 1,15	R410A / 1,55
	GWP ² / Tons CO ₂ Eq.			2088 / -	2088 / -	2088 / 1,46	2088 / 1,67	2088 / 2,40	2088 / 3,24

^{1,2} Refer to pag. 56 for notes

Accessories	DESCRIPTION	DURATION	SERIE/OPZ.
MAC-2370FT-E / MAC-2320FT-E	Silver-ion air purification filter	12 months	Optional
MAC-5671F-E	Wi-Fi interface	--	Optional

MSZ-GF

M SERIES - WALL MOUNTED

DC Inverter/Heat pump

PLUS



- Designed for Open Space and large environment
- High energy efficiency
- "Wide & Long" air distribution
- Weekly timer
- Multisplit compatible



Key Technologies

* Optional

Technical specifications DC INVERTER / HEAT PUMP

MODEL			SET	MSZ-GF60VE	MSZ-GF71VE
			Indoor Unit	MSZ-GF60VE2	MSZ-GF71VE2
			Outdoor Unit	MUZ-GF60VE	MUZ-GF71VE
Cooling	Capacity (rated/min/max)	T=+35°C	kW	6,1 (1,4-7,5)	7,1 (2,0-8,7)
	Total Input (rated)	T=+35°C	kW	1,79	2,13
	Design Load (<i>P_{designC}</i>)	T=+35°C	kW	6,1	7,1
	SEER			6,8	6,8
	Energy efficiency class			A++	A++
Annual electric consumption ¹			kWh/a	311	364
Heating average season	Capacity (rated/min/max)	T=+7°C	kW	6,8 (2,0-9,3)	8,1 (2,2-9,9)
	Total Input (rated)	T=+7°C	kW	1,81	2,23
	Design Load (<i>P_{designh}</i>)	T=-10°C	kW	4,6	6,7
	SCOP			4,3	4,2
	Energy efficiency class			A+	A+
Annual electric consumption ¹			kWh/a	1489	2204
Indoor Unit	Dimensions	H x W x D	mm	325 x 1100 x 238	325 x 1100 x 238
	Sound level (SLP)	Cooling	dB(A)	29-37-41-45-49	30-37-41-45-49
		Heating	dB(A)	29-37-41-45-49	30-37-41-45-49
Sound level (PWL)	Rated	dB(A)	65	65	
Outdoor unit	Dimensions	H x W x D	mm	880 x 840 x 330	880 x 840 x 330
	Sound level (SLP)	min/max	dB(A)	55-55	55-55
	Sound level (PWL)	Rated	dB(A)	65	65
Refrigerant	Pre-charge		kg	R410A / 1,55	R410A / 1,90
	GWP ² / Tons CO ₂ Eq.			2088 / 3,24	2088 / 3,97

^{1,2} Refer to pag. 56 for notes

Accessories

	DESCRIPTION	DURATION	SERIE/OPZ.
MAC-567IF-E	Wi-Fi interface	-	Optional
MAC-2360FT-E	Silver-ion air purification filter	-	Optional

NEW

MSZ-HR

M SERIES - WALL MOUNTED

DC Inverter/Heat pump

SMART

Series



- Smart and friendly design
- Silent operation
- Energy Efficiency



Key Technologies

									*
* Optional									

Technical specifications DC INVERTER / HEAT PUMP

MODEL			SET	MSZ-HR25VF	MSZ-HR35VF	MSZ-HR42VF	MSZ-HR50VF
			Indoor Unit	MSZ-HR25VF	MSZ-HR35VF	MSZ-HR42VF	MSZ-HR50VF
			Outdoor Unit	MUZ-HR25VF	MUZ-HR35VF	MUZ-HR42VF	MUZ-HR50VF
Cooling	Capacity (rated/min/max)	T=+35°C	kW	2,5 (0,5 - 2,9)	3,4 (0,9 - 3,4)	4,2 (1,1 - 4,6)	5,0 (1,3 - 5,0)
	Total Input (rated)	T=+35°C	kW	0,8	1,21	1,34	2,05
	Design Load (<i>PdesignC</i>)	T=+35°C	kW	2,5	3,5	4,2	5,0
	SEER			6,2	6,2	6,5	6,5
	Energy efficiency class			A++	A++	A++	A++
	Annual electric consumption ¹		kWh/a	141	191	226	269
Heating average season	Capacity (rated/min/max)	T=+7°C	kW	3,15 (0,7 - 3,5)	3,6 (0,9 - 3,7)	4,7 (0,9 - 5,4)	5,4(1,4 - 6,5)
	Total Input (rated)	T=+7°C	kW	0,85	0,975	1,3	1,55
	Design Load (<i>PdesignH</i>)	T=-10°C	kW	1,9	2,4	2,9	3,8
	SCOP			4,3	4,3	4,3	4,3
	Energy efficiency class			A+	A+	A+	A+
	Annual electric consumption ¹		kWh/a	614	781	928	1224
Indoor Unit	Dimensions	H x W x D	mm	280 x 838 x 228			
	Sound level (SLP)	Cooling	dB(A)	21 - 30 - 37 - 43	22 - 31 - 38 - 46	24 - 34 - 39 - 45	28 - 36 - 40 - 45
		Heating	dB(A)	21 - 30 - 37 - 43	21 - 30 - 37 - 44	24 - 32 - 40 - 46	27 - 34 - 41 - 47
Sound level (PWL)	Rated	dB(A)	57	60	60	60	
Outdoor unit	Dimensions	H x W x D	mm	538 x 699 x 249	538 x 699 x 249	550 x 800 x 285	714 x 800 x 285
	Sound level (SLP)	min/max	dB(A)	50	51	50	50
	Sound level (PWL)	Rated	dB(A)	63	64	64	64
Refrigerant	Pre-charge		kg	R32 / 0,4	R32 / 0,45	R32 / 0,70	R32 / 0,8
	GW ² / Tons CO ₂ Eq.			675 / 0,27	675 / 0,30	675 / 0,47	675 / 0,54

^{1,2} Refer to pag. 56 for notes

Accessories	DESCRIPTION	DURATION	SERIE/OPZ.
MAC-2370FT-E	Silver-ion air purification filter	12 months	Optional
MAC-1702RA-E	External input connector	-	Optional
MAC-5671F-E	Wi-Fi interface	-	Optional

MSZ-HJ

M SERIES - WALL MOUNTED

DC Inverter/Heat pump

SMART
Series



- Flat panel and basic design
- Silent operation



Key Technologies



Technical specifications DC INVERTER / HEAT PUMP

MODEL			SET	MSZ-HJ25VA	MSZ-HJ35VA	MSZ-HJ50VA	MSZ-HJ60VA	MSZ-HJ71VA
			Indoor Unit	MSZ-HJ25VA	MSZ-HJ35VA	MSZ-HJ50VA	MSZ-HJ60VA	MSZ-HJ60VA
			Outdoor Unit	MUZ-HJ25VA	MUZ-HJ35VA	MUZ-HJ50VA	MUZ-HJ60VA	MUZ-HJ60VA
Cooling	Capacity (rated/min/max)	T=+35°C	kW	2,5 (1,3 - 3,0)	3,15 (1,4 - 3,5)	5,0 (1,3 - 5,0)	6,1 (1,7 - 7,1)	7,1 (1,8 - 7,1)
	Total Input (rated)	T=+35°C	kW	0,73	1,04	2,05	1,9	2,33
	Design Load (<i>PdesignC</i>)	T=+35°C	kW	1,9	2,4	3,8	4,6	5,4
	SEER			5,1	5,1	6,0	6,0	5,6
	Energy efficiency class			A	A	A+	A+	A+
	Annual electric consumption ¹		kWh/a	171	212	292	354	441
Heating average season	Capacity (rated/min/max)	T=+7°C	kW	3,15 (0,9 - 3,5)	3,6 (1,1 - 4,1)	5,4 (1,4 - 6,5)	6,8 (1,5 - 8,4)	8,1 (1,5 - 8,5)
	Total Input (rated)	T=+7°C	kW	0,87	0,995	1,48	1,97	2,44
	Design Load (<i>Pdesignh</i>)	T=-10°C	kW	1,9	2,4	3,8	4,6	5,4
	SCOP			3,8	3,8	4,2	4,1	4,0
	Energy efficiency class			A	A	A+	A+	A+
	Annual electric consumption ¹		kWh/a	698	885	1267	1544	1854
Indoor Unit	Dimensions	H x W x D	mm	290 x 799 x 232	290 x 799 x 232	290 x 799 x 232	305 x 923 x 250	305 x 923 x 250
	Sound level (SLP)	Cooling	dB(A)	22 - 30 - 37 - 43	22 - 31 - 38 - 453	28 - 36 - 40 - 45	31 - 38 - 44 - 50	33 - 38 - 44 - 50
		Heating	dB(A)	23 - 30 - 37 - 43	23 - 30 - 37 - 44	22 - 30 - 37 - 47	31 - 38 - 44 - 49	33 - 38 - 44 - 49
	Sound level (PWL)	Rated	dB(A)	57	60	60	65	65
Outdoor unit	Dimensions	H x W x D	mm	550 x 800 x 285	550 x 800 x 285	714 x 800 x 285	880 x 840 x 330	880 x 840 x 330
	Sound level (SLP)	min/max	dB(A)	50	50	50	55	55
	Sound level (PWL)	Rated	dB(A)	63	64	64	65	66
Refrigerant	Pre-charge		kg	R410A / 0,70	R410A / 0,72	R410A / 1,15	R410A / 1,8	R410A / 1,8
	GW ² / Tons CO ₂ Eq.			2088 / 1,46	2088 / 1,5	2088 / 3,13	2088 / 3,76	2088 / 3,76

^{1,2} Refer to pag. 56 for notes

MFZ-KT

M SERIES - FLOOR STANDING
DC Inverter/Heat Pump

PLUS



- Smooth and fine design
- High energy efficiency
- Designed for heating
- Quiet operation
- Weekly timer
- Multisplit compatible

R32

A++
A+

19 LPA¹

MELCloud[®]
OPTIONAL

Key Technologies

* Optional

Technical specifications DC INVERTER / HEAT PUMP

MODEL			SET	MFZ-KT25VG	MFZ-KT35VG	MFZ-KT50VG	MFZ-KT60VG
			Indoor Unit	MFZ-KT25VG	MFZ-KT35VG	MFZ-KT50VG	MFZ-KT60VG
			Outdoor Unit	SUZ-M25VA	SUZ-M35VA	SUZ-M50VA	SUZ-M60VA
Cooling	Capacity (rated/min/max)	T=+35°C	kW	2,5	3,5	5	6
	Total Input (rated)	T=+35°C	kW	0,625	1,06	1,55	1,81
	Design Load (<i>PdesignC</i>)	T=+35°C	kW	-	-	-	-
	SEER			6,5	6,6	6,8	6,2
	Energy efficiency class			A++	A++	A++	A++
	Annual electric consumption ¹		kWh/a	-	-	-	-
Heating average season	Capacity (rated/min/max)	T=+7°C	kW	3,4	4,3	4,2	4,1
	Total Input (rated)	T=+7°C	kW	0,99	1,26	2,00	2,18
	Design Load (<i>Pdesignh</i>)	T=-10°C	kW	-	-	-	-
	SCOP			4,2	4,4	4,2	4,1
	Energy efficiency class			A+	A+	A+	A+
	Annual electric consumption ¹		kWh/a	-	-	-	-
Indoor Unit	Dimensions	H x W x D	mm	600 x 750 x 215			
	Sound level (SLP)	Cooling	dB(A)	20 - 25 - 31 - 37 - 41	20 - 25 - 30 - 35 - 39	28 - 32 - 37 - 42 - 48	28 - 36 - 40 - 46 - 53
		Heating	dB(A)	19 - 25 - 30 - 37 - 44	19 - 25 - 30 - 37 - 44	29 - 35 - 40 - 45 - 50	29 - 35 - 40 - 45 - 50
	Sound level (PWL)	Rated	dB(A)	-	-	-	-
Outdoor unit	Dimensions	H x W x D	mm	550 x 800 x 285	550 x 800 x 285	714 x 800 x 285	880 x 840 x 330
	Sound level (SLP)	min/max	dB(A)	45	48	48	49
	Sound level (PWL)	Rated	dB(A)	46	48	49	51
Refrigerant	Pre-charge		kg	-	-	-	-
	GWP ² / Tons CO ₂ Eq.			675/-	675/-	675/-	675/-

^{1,2} Refer to pag. 56 for notes

Accessories	DESCRIPTION	DURATION	SERIE/OPZ.
MAC-2370FTE / MAC-408FT-E	Silver-ion air purifying filter	12 months	Built-in
MAC-1702RA-E	External input connector	-	Optional
MAC-5671F-E	Wi-Fi interface	-	Optional

MFZ-KJ

M SERIES - FLOOR STANDING
DC Inverter/Heat Pump

PLUS



- Basic and polished design
- High energy efficiency
- Designed for heating
- Quiet operation
- Weekly timer
- Multisplit compatible

R410A

A+++
A+

19
LPL(A)

MELCloud
OPTIONAL

Key Technologies

* Optional

Technical specifications DC INVERTER / HEAT PUMP

MODEL			SET	MFZ-KJ25VE	MFZ-KJ35VE	MFZ-KJ50VE
			Indoor Unit	MFZ-KJ25VE2	MFZ-KJ35VE2	MFZ-KJ50VE2
			Outdoor Unit	MUFZ-KJ25VE	MUFZ-KJ35VE	MUFZ-KJ50VE
Cooling	Capacity (rated/min/max)	T=+35°C	kW	2,5 (0,5 - 3,4)	3,5 (0,5 - 3,7)	5,0 (1,6 - 5,7)
	Total Input (rated)	T=+35°C	kW	0,540	0,940	1,410
	Design Load (<i>P_{designC}</i>)	T=+35°C	kW	2,5	3,5	5,0
	SEER			8,5	8,1	6,5
	Energy efficiency class			A+++	A++	A+
Annual electric consumption ¹			kWh/a	102	150	266
Heating average season	Capacity (rated/min/max)	T=+7°C	kW	3,4 (1,2 - 4,6)	4,3 (1,2 - 5,5)	6,0 (2,2 - 8,2)
	Total Input (rated)	T=+7°C	kW	0,770	1,100	1,610
	Design Load (<i>P_{designh}</i>)	T=-10°C	kW	3,4	3,5	4,4
	SCOP			4,5	4,4	4,3
	Energy efficiency class			A+	A+	A+
Annual electric consumption ¹			kWh/a	1059	1110	1406
Indoor Unit	Dimensions	H x W x D	mm	600 x 750 x 215	600 x 750 x 215	600 x 750 x 215
	Sound level (SLP)	Cooling	dB(A)	20-25-30-35-39	20-25-30-35-39	27-31-35-39-44
		Heating	dB(A)	19-25-30-35-41	19-25-30-35-41	29-35-40-45-50
Sound level (PWL)	Rated	dB(A)	49	50	56	
Outdoor unit	Dimensions	H x W x D	mm	550 x 800 x 285	550 x 800 x 285	880 x 840 x 330
	Sound level (SLP)	min/max	dB(A)	46 / 51	47 / 51	49 / 51
	Sound level (PWL)	Rated	dB(A)	59	60	63
Refrigerant	Pre-charge		kg	R410A / 1,10	R410A / 1,10	R410A / 1,50
	GWP ² / Tons CO ₂ Eq.			2088 / 2,30	2088 / 2,30	2088 / 3,13

^{1,2} Refer to pag. 56 for notes

Accessories	DESCRIPTION	DURATION	SERIE/OPZ.
MAC-2370FTE / MAC-408FT-E	Silver-ion air purification filter	12 months	Built-in
MAC-1702RA-E	External input connector	-	Optional
MAC-5671F-E	Wi-Fi interface	-	Optional

MFZ-KJ Hyper Heating

M SERIES - FLOOR STANDING

DC Inverter/Heat Pump

PLUS



- Basic and polished design
- High energy efficiency
- Designed for heating
- Quiet operation
- Weekly timer
- Multisplit compatible

R410A

¹
class
A+++
class
A+

²
19
dB(A)

MELCloud
OPTIONAL

Key Technologies

* Optional

Technical specifications DC INVERTER / HEAT PUMP

MODEL			SET	MFZ-KJ25VE	MFZ-KJ35VE	MFZ-KJ50VE
			Indoor Unit	MFZ-KJ25VE2	MFZ-KJ35VE2	MFZ-KJ50VE2
			Outdoor Unit	MUFZ-KJ25VEHZ	MUFZ-KJ35VEHZ	MUFZ-KJ50VEHZ
Cooling	Capacity (rated/min/max)	T=+35°C	kW	2,5 (0,5 - 3,4)	3,5 (0,5 - 3,7)	5,0 (1,6 - 5,7)
	Total Input (rated)	T=+35°C	kW	0,54	0,94	1,41
	Design Load (<i>P_{designC}</i>)	T=+35°C	kW	2,5	3,5	5
	SEER			8,5	8,1	6,5
	Energy efficiency class			A+++	A++	A+
Annual electric consumption ¹			kWh/a	102	150	266
Heating average season	Capacity (rated/min/max)	T=+7°C	kW	3,4 (1,2 - 4,6)	4,3 (1,2 - 5,5)	6,0 (2,2 - 8,2)
	Total Input (rated)	T=+7°C	kW	0,77	1,1	1,61
	Design Load (<i>P_{designh}</i>)	T=-10°C	kW	3,4	3,5	4,4
	SCOP			4,4	4,3	4,2
	Energy efficiency class			A+	A+	A+
Annual electric consumption ¹			kWh/a	1059	1110	1406
Indoor Unit	Dimensions	H x W x D	mm	600 x 750 x 215	600 x 750 x 215	600 x 750 x 215
	Sound level (SLP)	Cooling	dB(A)	20-25-30-35-39	20-25-30-35-39	27-31-35-39-44
		Heating	dB(A)	19-25-30-35-41	19-25-30-35-41	29-35-40-45-50
Sound level (PWL)	Rated	dB(A)	49	50	56	
Outdoor unit	Dimensions	H x W x D	mm	550 x 800 x 285	550 x 800 x 285	880 x 840 x 330
	Sound level (SLP)	min/max	dB(A)	46 / 51	47 / 51	49 / 51
	Sound level (PWL)	Rated	dB(A)	59	60	63
Refrigerant	Pre-charge		kg	R410A / 1,10	R410A / 1,10	R410A / 1,50
	GWP ² / Tons CO ₂ Eq.			2088 / 2,30	2088 / 2,30	2088 / 3,13

^{1,2} Refer to pag. 56 for notes

Accessories	DESCRIPTION	DURATION	SERIE/OPZ.
MAC-2370FTE / MAC-408FTE	Silver-ion air purification filter	12 months	Built-in
MAC-1702RA-E	External input connector	-	Optional
MAC-5671F-E	Wi-Fi interface	-	Optional

MLZ-KP

M SERIES - 1 WAY CASSETTE

DC Inverter/Heat pump

PLUS



MLZ-KP25/35/50VF

- Easy installation
- Slim body - only 185mm high.
- Auto vane control - left and right, up and down airflow movements
- Horizontal airflow
- Wi-Fi interface pocket
- Drain pipe built-in



Key Technologies

* Optional

Technical specifications DC INVERTER / HEAT PUMP

MODEL			SET	MLZ-KP25VF	MLZ-KP35VF	MLZ-KP50VF
			Indoor Unit	MLZ-KP25VF + MLP-444W	MLZ-KP35VF + MLP-444W	MLZ-KP50VF + MLP-444W
			Outdoor Unit	SUZ-M25VA	SUZ-M35VA	SUZ-M50VA
Cooling	Capacity (rated/min/max)	T=+35°C	kW	2,5 (1,4 - 3,2)	3,5 (0,8 - 3,9)	5,0 (1,7 - 5,6)
	Total Input (rated)	T=+35°C	kW	0,59	0,97	1,38
	Design Load (<i>P_{designC}</i>)	T=+35°C	kW	2,5	3,5	5,0
	SEER			6,2	7,00	6,7
	Energy efficiency class			A++	A++	A++
Annual electric consumption ¹			kWh/a	141	175	260
Heating average season	Capacity (rated/min/max)	T=+7°C	kW	3,2 (1,4 - 4,2)	4,1 (1,1 - 4,9)	6,0 (1,7 - 7,2)
	Total Input (rated)	T=+7°C	kW	0,80	1,10	1,86
	Design Load (<i>P_{designh}</i>)	T=-10°C	kW	2,00	2,3	3,8
	SCOP			4,4	4,6	4,3
	Energy efficiency class			A+	A++	A+
Annual electric consumption ¹			kWh/a	697	791	1397
Indoor Unit	Dimensions	H x W x D	mm	185 x 1102 x 360 (24 x 1200 x 424)	185 x 1102 x 360 (24 x 1200 x 424)	185 x 1102 x 360 (24 x 1200 x 424)
	Sound level (SLP)	Cooling	dB(A)	27-31-34-38	27-32-36-40	29-36-41-47
		Heating	dB(A)	26-29-34-37	26-32-36-40	26-37-42-48
Sound level (PWL)	Rated	dB(A)	59	59	64	
Outdoor unit	Dimensions	H x W x D	mm	550 x 800 x 285	550 x 800 x 285	714 x 800 x 285
	Sound level (SLP)	min/max	dB(A)	45 / 46	48 / 48	48 / 49
	Sound level (PWL)	Rated	dB(A)	59	59	64
Refrigerant	Pre-charge		kg	R32 / 0,65	R32 / 0,9	R32 / 1,20
	GWP ² / Tons CO ₂ Eq.			675 / 0,44	675 / 0,61	675 / 0,81

^{1,2} Refer to pag. 56 for notes





MXZ

MXZ SERIES - MULTISPLIT OUTDOOR UNITS

DC Inverter/Heat pump



R32

MXZ-2F33VF(2)
MXZ-2F42VF(2)
MXZ-2F53VF(H)
MXZ-3F54VF(2)
MXZ-3F68VF(2)
MXZ-4F72VF(2)
MXZ-4F80VF2

R410A

MXZ-2D33VA
MXZ-2D42VA2
MXZ-2D53VA(H)2
MXZ-3E54VA
MXZ-3E68VA
MXZ-4E72VA
MXZ-4E83VA
MXZ-5E102VA
MXZ-6D122VA

SMART

Series

R32

MXZ-2HA40VF
MXZ-2HA50VF
MXZ-3HA50VF

R410A

MXZ-2DM40VA
MXZ-2DM50VA

HYPER HEATING

R410A

MXZ-2E53VAHZ
MXZ-4E83VAHZ



MXZ-F

MXZ SERIES - MULTISPLIT OUTDOOR UNITS

DC Inverter/Heat pump

R32



MXZ-2F33VF
MXZ-2F42VF
MXZ-2F53VF



MXZ-3F54VF(2)
MXZ-3F68VF(2)
MXZ-4F72VF(2)
MXZ-4F80VF2²

Key Technologies



Technical specifications DC INVERTER / HEAT PUMP

MODEL			SET	MXZ-2F33VF	MXZ-2F42VF	MXZ-2F53VF	MXZ-3F54VF(2)	MXZ-3F68VF(2)	MXZ-4F72VF(2)	MXZ-4F80VF2 ²
			N. Indoor Unit	2	2	2	da 2 a 3	da 2 a 3	da 2 a 4	da 2 a 4
			Outdoor Unit	MXZ-2F33VF	MXZ-2F42VF	MXZ-2F53VF	MXZ-3F54VF(2)	MXZ-3F68VF(2)	MXZ-4F72VF(2)	MXZ-4F80VF2 ²
Cooling	Capacity (rated/min/max)	T=+35°C	kW	3,3 (1,1 - 4,0)	4,2 (1,1 - 4,5)	5,3 (1,1 - 6,0)	5,4 (2,9 - 6,8)	6,8 (2,9 - 8,4)	7,2 (3,7 - 8,8)	8,0 (3,7 - 9,0)
	Total Input (rated)	T=+35°C	kW	0,85	0,98	1,4	1,4	1,32	1,84	1,85
	Design Load (PdesignC)	T=+35°C	kW	3,3	4,2	5,3	5,4	6,8	7,2	8,0
	SEER ³			6,13	8,69	8,63	8,52	7,96	8,13	7,55
	Energy efficiency class			A++	A+++	A+++	A+++	A++	A++	A++
Annual electric consumption ¹			kWh/a	188	169	215	222	299	310	371
Heating average season	Capacity (rated/min/max)	T=+7°C	kW	4	4,5	6,4	7	8,6	8,6	8,8
	Total Input (rated)	T=+7°C	kW	0,91	0,88	1,56	1,4	1,91	1,87	2,00
	Design Load (PdesignH)	T=+10°C	kW	2,7	3,2	3,2	5	6,8	7	7
	SCOP ³			4,16	4,6	4,6	4,61	4,12	4,07	4,07
	Energy efficiency class			A+	A++	A++	A++	A+	A+	A+
Annual electric consumption ¹			kWh/a	908	974	973	1520	2312	2410	2410
Outdoor unit	Dimensions	H x W x D	mm	550 x 800 x 285	550 x 800 x 285	550 x 800 x 285	710 x 840 x 330			
	Sound level (SLP)	min/max	dB(A)	49 / 50	44 / 50	46 / 51	46 / 50	48 / 53	48 / 54	50 / 55
	Sound level (PWL)	Rated	dB(A)	60	59	61	60	63	63	65
Refrigerant	Pre-charge		kg	R32 / 1	R32 / 1,2	R32 / 1,2	R32 / 2,4	R32 / 2,4	R32 / 2,4	R32 / 2,4
	GWP ² / Tons CO ₂ Eq.			675 / 0,675	675 / 0,81	675 / 0,81	675 / 1,620	675 / 1,620	675 / 1,620	675 / 1,620

^{1,2,3} Refer to pag. 56 for notes

Internal units combinations table

NR. of UNITS CONNECTABLE	Max connectable capacity	MODEL	Wall mounted														1-Way Cassette			4-Way Cassette			Canalized					Ceiling		
			Kirigamine Style				Kirigamine Zen				Plus						60x60			Compact					PEAD-M JA ¹		PCA-M KA			
			MSZ-LN		MSZ-EF		MSZ-AP		MLZ-KP		SLZ-M		SEZ-M		PEAD-M JA ¹		PCA-M KA													
25	35	18	22	25	35	42	50	15	20	25	35	42	50	60	71	25	35	50	25	35	50	25	35	50	60	71	50	60	50	60
2	50	MXZ-2F33VF	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	60	MXZ-2F42VF	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	75	MXZ-2F53VF	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
3	100	MXZ-3F54VF(2)	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	120	MXZ-3F68VF(2)	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
4	125	MXZ-4F72VF(2)	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	145	MXZ-4F80VF2 ²	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

¹ For more informations about the PEAD connectivity, contact your representative.

² Available from September 2019.



MXZ-D/E

MXZ SERIES - MULTISPLIT OUTDOOR UNITS

DC Inverter/Heat pump



MXZ-2D33VA
MXZ-2D42VA2
MXZ-2D53VA2



MXZ-3E54VA
MXZ-3E68VA

Key Technologies

Technical specifications DC INVERTER / HEAT PUMP

MODEL			SET	MXZ-2D33VA	MXZ-2D42VA	MXZ-2D53VA	MXZ-3E54VA	MXZ-3E68VA	
			N. Indoor Unit	2	2	2	DA 2 A 3	DA 2 A 3	
			Outdoor Unit	MXZ-2D33VA	MXZ-2D42VA2	MXZ-2D53VA2	MXZ-3E54VA	MXZ-3E68VA	
Cooling	Capacity (rated/min/max)	T=+35°C	kW	3,3 (1,1 - 3,8)	4,2 (1,1 - 4,3)	5,3 (1,1 - 5,6)	5,4 (2,9 - 6,8)	6,8 (2,9 - 8,4)	
	Total Input (rated)	T=+35°C	kW	0,90	1,00	1,54	1,35	2,19	
	Design Load (<i>PdesignC</i>)	T=+35°C	kW	3,3	4,2	5,3	5,4	6,8	
	SEER ³				5,5	6,7	7,1	6,4	5,6
	Energy efficiency class				A	A++	A++	A++	A+
Annual electric consumption ¹			kWh/a	211	219	262	295	425	
Heating average season	Capacity (rated/min/max)	T=+7°C	kW	4,0 (1,0 - 4,1)	4,5 (1,0 - 4,8)	6,4 (1,0 - 7,0)	7,0 (2,6 - 9,0)	8,6 (2,6 - 10,6)	
	Total Input (rated)	T=+7°C	kW	0,96	0,93	1,70	1,59	2,38	
	Design Load (<i>Pdesignh</i>)	T=-10°C	kW	2,7	3,2	4,5	5,0	6,8	
	SCOP ³				4,1	4,2	4,2	4,0	3,9
	Energy efficiency class				A+	A+	A+	A+	A
Annual electric consumption ¹			kWh/a	926	1065	1507	1751	2466	
Outdoor unit	Dimensions	H x W x D	mm	550 x 800 (+69) x 285 (+59,5)			710 x 840 (+30) x 330 (+66)		
	Sound level (SLP)	min/max	dB(A)	49-50	46-51	50-53	50-53	50-53	
	Sound level (PWL)	Rated	dB(A)	63	60	64	64	64	
Refrigerant	Pre-charge		kg	R410A / 1,15	R410A / 1,30	R410A / 1,30	R410A / 2,70	R410A / 2,70	
	GWP ² / Tons CO ₂ Eq.			2088 / 2,40	2088 / 2,71	2088 / 2,71	2088 / 5,64	2088 / 5,64	

^{1,2,3} Refer to pag. 56 for notes

MXZ-HA

MXZ SERIES - MULTISPLIT 2/3 PORTS

DC Inverter/Heat pump

SMART
Series



- Designed to create various combinations
- Energy efficiency



Key Technologies

								
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Technical specifications DC INVERTER / HEAT PUMP

MODEL			SET	MXZ-2HA40VF	MXZ-2HA50VF	MXZ-3HA50VF
			Indoor Unit	2	2	3
			Outdoor Unit	MXZ-2HA40VF	MXZ-2HA50VF	MXZ-3HA50VF
Cooling	Capacity (rated/min/max)	T=+35°C	kW	4,0 (1,1 - 4,3)	5,0 (1,1 - 5,4)	5,0 (2,9 - 6,5)
	Total Input (rated)	T=+35°C	kW	1,05	1,52	1,26
	Design Load (<i>PdesignC</i>)		kW	4,0	5,0	5,0
	SEER ²			8,12	7,78	7,26
	Energy efficiency class			A++	A++	A++
	Annual electric consumption ¹		kWh/a	172	225	241
Heating average season	Capacity (rated/min/max)	T=+7°C	kW	4,3 (1,0 - 4,7)	6,0 (1,0 - 6,4)	6,0 (2,6 - 7,5)
	Total Input (rated)	T=+7°C	kW	0,91	1,54	1,30
	Design Load (<i>Pdesignh</i>)	T=-10°C	kW	3,2	3,2	4
	SCOP ³			4,3	4,3	4,02
	Energy efficiency class			A+	A+	A+
	Annual electric consumption ¹		kWh/a	1043	1043	1394
Outdoor unit	Dimensions	H x W x D	mm	550 x 800 (+69) x 285 (+59,5)	550 x 800 (+69) x 285(+59,5)	710 x 840(+30) x 330 (+66)
	Sound level (SLP)	min/max	dB(A)	44/50	47/51	46/50
	Sound level (PWL)	Rated	dB(A)	59	64	61
Refrigerant	Pre-charge		kg	R32 / 0,9	R32 / 0,9	R32 / 1,4
	GWP / Tons. Co ₂ Eq.			675 / 0,61	675 / 0,61	675 / 0,95

^{1,2} Refer to pag. 56 for notes

	MXZ-2HA40VF	MXZ-2HA50VF	MXZ-3HA50VF
Available combinations*	25+25	25+25	25+25
	25+35	25+35	25+35
		35+35	25+42
		25+42	25+50
			35+35
			35+42
			35+50
			42+42

* Only for Smart Series internal units (MSZ-HR)

MXZ-DM

MXZ SERIES - MULTISPLIT 2/3 PORTS

DC Inverter/Heat pump

SMART
Series



MXZ-2DM40VA



MXZ-3DM50VA

- Smart design and easy to install
- Low environment impact

R410A



Key Technologies



Technical specifications DC INVERTER / HEAT PUMP

MODEL			SET	MXZ-2DM40VA	MXZ-3DM50VA
			Indoor Unit	2	3
Cooling	Capacity (rated/min/max)	T=+35°C	kW	4,0	5,0
	Total Input (rated)	T=+35°C	kW	1,05	1,13
	Design Load (<i>PdesignC</i>)	T=+35°C	kW	4,0	5,0
	SEER ²			6,1	6,1
	Energy efficiency class			A++	A++
Annual electric consumption ¹			kWh/a	226	283
Heating average season	Capacity (rated/min/max)	T=+7°C	kW	4,3	6,0
	Total Input (rated)	T=+7°C	kW	1,16	1,31
	Design Load (<i>Pdesignh</i>)	T=-10°C	kW	3,2	4,0
	SCOP ³			4,0	3,8
	Energy efficiency class			A+	A
Annual electric consumption ¹			kWh/a	1105	1455
Outdoor unit	Dimensions	H x W x D	mm	550 x 800 (+69) x 285 (+59,5)	710 x 840 (+30) x 330 (+66)
	Weight		kg	32	57
	Sound level (SLP)	min/max	dB(A)	48-50	50-53
	Sound level (PWL)	Rated	dB(A)	63	64
Refrigerant	Pre-charge		kg	R410A / 1,0	R410A / 2,7
	GWP ² / Tons. Co ₂ Eq.			2088 / 1,99	2088 / 5,64

^{1,2,3} Refer to pag. 56 for notes

	MXZ-2DM40VA	MXZ-3DM50VA
Possible combinations*	25+25	25+25+25
	25+35	25+25+35
		35+35
		25+50
		35+50

* Only for internal Smart Series units (MSZ-HR / MSZ-DM / MSZ-HJ)

VL-50SR₂-E

HEAT RECUPERATORS ONE-PIPE WALL MOUNTED



- Solid design
- Silent operation
- Designed to improve environmental salubrity
- Compatible with existing installations

Technical specifications

MODEL	SET	VL-50SR ₂ -E	
Power supply	V/Phase/Hz	220-240 /Single Phase / 50	
Specific energy efficiency class ¹ (S.E.C.)		C (-25,0)	
ErP ¹ data	Max air flow rate	m ³ /h	51
	Max sound level (PWL)	dB(A)	52
Fan speed		High	Low
Operating current	A	-	-
Power input	W	20	4,5
Air volume	m ³ /h	52,5	16
Outdoor static pressure	Pa	-	-
Sensible heat exchange efficiency	%	69	85
Standard filter	EN 779 (ISO 16890)	G3 (Coarse 35%)	
Sound level	dB(A)	37,5	15,5
Weight	kg	6,2	
Dimensions	mm	245 x 522 x 168	

¹ according to 1254/2014

VL-100EU₅-E

HEAT RECUPERATORS WALL MOUNTED



- Solid design
- Silent operation
- Designed to improve environmental salubrity
- Compatible with existing installations

Technical specifications

MODEL	SET	VL-100EU ₅ -E	
Power supply	V/Phase/Hz	220-240 Single Phase / 50	
Specific energy efficiency class ¹ (S.E.C.)		B (-28,8)	
ErP ¹ data	Max air flow rate	m ³ /h	100
	Max sound level (PWL)	dB(A)	52
Fan speed		High	Low
Operating current	A	-	-
Power input	W	31	15
Air volume	m ³ /h	105	60
Outdoor static pressure	Pa	-	-
Sensible heat exchange efficiency	%	73	80
Standard filter	EN 779 (ISO 16890)	G3 (Coarse 35%)	
Sound level	dB(A)	37	25
Weight	kg	7,5	
Dimensions	mm	245 x 522 x 168	

¹ according to 1254/2014

GK

AIR CURTAINS



GK-3009AS2 / GK-3012AS2

- Ensure thermal insulation
- Close off smoke, smells, dust and exhaust fumes
- Vertical and horizontal placement



Technical specifications

MODEL		SET	GK-3009AS2	GK-3012AS2
Width		mm	900	1200
Installation Height		m	3	3
Power supply	Volt./Freq./Phase	V/Hz/n°	220-240 / 50Hz	220-240 / 50Hz
Power input		W	94 - 113	107 - 125
Operating current		A	0,48 - 0,53	0,52 - 0,57
Max air flow speed	High	m/sec	12	12
	Low	m/sec	9,5	9,5
Air volume	High	m³/h	1.450	1.720
	Low	m³/h	1.100	1.350
Sound level	High	d/B	48	49
	Low	d/B	47	48
Weight		Kg	11	14
Dimensions		mm	900 x 153 x (190 + 25)	1194 x 153 x (190 + 25)

JET TOWEL SLIM

Elegance and performance

JET TOWEL SMART

Condensed efficiency



JT-SB216JSH2-W-NE



JT-SB216JSH2-H-NE



JT-S2AP-W-NE



JT-S2AP-S-NE



- **Comfort:** 9-11 sec. to dry hands
- Smart switch on with double sensors
- **Ecofriendly:** avoid waste production
- **Advantageous:** a single drying cycle allows to save more than 15 electric hot-air towels or 35 paper towels
- **Hygienic:** guarantees no hands contact with his surfaces
- **Strenght:** new reinforced body

JET TOWEL SLIM

Simple to use

The Jet Towel Slim is designed to be fast and hygienic. With its two large side openings is really simple to dry hands without risks to touch the body structure.

Technical specifications

MODEL				JT-SB216JSH2-W-NE	JT-SB216JSH2-H-NE
Power supply	Voltage / Frequency / Phase		V/Hz/n°	230/50/1	230/50/1
Drying time*			sec.	9~11	9~11
Air flow speed	High		m/s - Km/h	ND	ND
Power input	Heating ON	High-Low	W	1240-1070	1240-1070
	Heating OFF	High-Low	W	720-550	720-550
Sound level		Measured at 2m	dB(A)	59-56	59-56
Motor type				Brushless DC Motor	Brushless DC Motor
Drain tank			l	0,8	0,8
Dimensions		HxWxD	mm	300 x 670 x 219	300 x 670 x 219
Weight			kg	11	11

* According to Mitsubishi Electric measurement method.

JET TOWEL SMART

Smart, tiny and hygienic

The brand new Jet Towel Smart is really compact (290 x 250 x 160), smaller than common paper towel dispensers. The hands drying is fast, comfortable and hygienic: the entire process is automatic, and there is no need to push buttons. Mitsubishi Electric adopt a technology useful to reduce electric consumption, avoiding wastefulness. The Jet Towel Smart body is reinforced to be resistant to strikes and have a metallic front panel ready to be customized.

Technical specifications

MODEL				JT-S2AP-W-NE	JT-S2AP-S-NE
Power supply	Voltage / Frequency / Phase		V/Hz/n°	230/50/1	230/50/1
Drying time*			sec.	9~12	9~12
Air flow speed	High		m/s - Km/h	ND	ND
Power input	Heating ON	High-Low	W	880-660	880-660
	Heating OFF	High-Low	W	630-410	630-410
Sound level		Measured at 2m	dB(A)	60-58	60-58
Motor type				Brushless DC Motor	Brushless DC Motor
Drain tank			l	-	-
Dimensions		HxWxD	mm	250 x 290 x 160	250 x 290 x 160
Weight			kg	4,5	4,5

* According to Mitsubishi Electric measurement method.

¹ Energy consumption evaluated with standard test. Real consumption depends on conditions of use and installation place for any device.

² Refrigerant leakage contributes to climate change. In the event of release into the atmosphere, the refrigerants with a lower global warming potential (GWP) contribute less to global warming than those with a higher GWP. The products contained in this catalog contain refrigerants such as: HFC-R32 (GWP 675), HFC-R410A (GWP 2088), HFC-R134a (GWP 1430) and HFC-R407C (GWP 1774). In no case should the user try to intervene on the refrigerant circuit or disassemble the product. If necessary, always contact qualified personnel

³ SEER and SCOP data, related energy efficiency class and energy annual consumption are evaluated with compliance standards EN14825.



LIVING ENVIRONMENTAL SYSTEMS

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for a greener tomorrow

Eco Changes is the Mitsubishi Electric Group's environmental statement, and expresses the Group's stance on environmental management. Through a wide range of businesses, we are helping contribute to the realization of a sustainable society.



The equipment described in this catalogue contain fluorinated gasses such as HFC32 (GWP 675) HFC-410A (GWP 2088). Installation of those equipment must be executed by professional installer based on EU reg. 303/2008 and 517/2014



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Specifications are subject to change without notice



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