



MSZ-EF 禅
KIRIGAMINE ZEN

DC Inverter
Wall-mounted
Air Conditioners
Heat pump
MONOSPLIT & MULTISPLIT





MSZ-EF





MSZ-EF



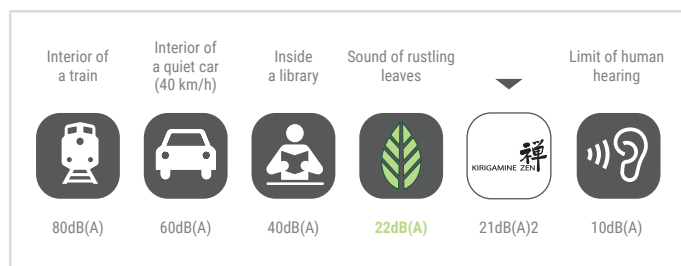
Create an even more beautiful ambience for your home. Mitsubishi Electric **welcomes you to the world of perfection**, where well-being, harmony and silence coexist in a single, all-enveloping atmosphere: the world of Kirigamine Zen. An air conditioner combining extraordinary performance in terms of **efficiency** and **silence** with a **design of impeccable elegance**. Because form and substance are two sides of the same concept of perfection. With Kirigamine Zen, beauty is a condition of well-being.

Superlative design and compact dimensions

A **design of impeccable elegance**, a choice of colours to complement any interior décor, premium materials and compact dimensions: this is Kirigamine Zen. Exclusive design matched by advanced technology and superlative performance.

Exceptional silence for total comfort

The quality of an environment also depends on perceived noise levels. Mitsubishi Electric air conditioners contribute so effectively to acoustic comfort that you won't even notice when they're running. Activating "Silent" mode from the remote control, at night time, for example, the noise levels will be reduced by an additional 3dB(A).



¹For sizes 25/35.

²For sizes 18/22/25/35 set to lowest fan speed.



WALL-MOUNTED UNITS

DC Inverter/Heat pump

Superlative seasonal energy efficiency

Low running costs are one of the greatest advantages offered by Mitsubishi Electric air conditioners. Each individual component is designed and optimised with state of the art technology to reach extraordinary levels of **energy efficiency**, even on a seasonal basis.

Specifically, the MSZ-EF line achieves SEER and SCOP seasonal efficiency index values that allow it to be classified as **Class A+++ in cooling mode** and **Class A++ in heating mode**¹.



Silver ion air purifier filter

The irregular surface of the air purifier filter **captures dust more** effectively and will keep on working effectively - neutralising unpleasant odours with its deodorising action - for over 10 years with no more maintenance than simply cleaning the filter itself regularly. The silver ion air purifier filter installed as standard keeps the air even cleaner and healthier.

Weekly timer

Programmable comfort: the temperature you want at the time you want. The new weekly timer function, with 4 different programmable slots for each day cycle, lets the user not only programme on and off times but also set different temperatures for different periods during the day.



¹For sizes 25/35.

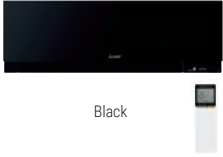
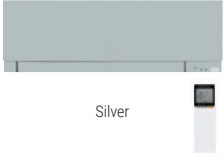
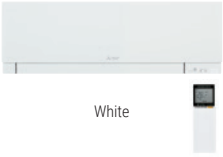





















MSZ-EF





Indoor Units			Outdoor units				
							
MSZ-EF18/22/25/35/42/50VEB	MSZ-EF18/22/25/35/42/50VES	MSZ-EF18/22/25/35/42/50VEW	MUZ-EF25/35/42VE	MUZ-EF50VE			
Key Technologies							
							
							
* Optional, ¹ 25-50							

Technical specifications INVERTER / HEAT PUMP

MODEL				MSZ - EF18VE3	MSZ - EF22VE3	MSZ - EF25VE3	MSZ - EF35VE3	MSZ - EF42VE3	MSZ - EF50VE3	
		Indoor unit	Outdoor unit	MSZ-EF18VE3 ONLY MULTISPLIT	MSZ-EF22VE3 ONLY MULTISPLIT	MSZ-EF25VE3 ONLY MULTISPLIT	MSZ-EF35VE3 ONLY MULTISPLIT	MSZ-EF42VE3 ONLY MULTISPLIT	MSZ-EF50VE3 ONLY MULTISPLIT	
Power supply	Voltage/Freq./Phases	V/Hz/n*		230/50/1	230/50/1	230/50/1	230/50/1	230/50/1	230/50/1	
Cooling	Nominal Capacity (min/max)	T=+35°C	kW	1,8	2,2	2,5 (1,2-3,4)	3,5 (1,4-4,0)	4,2 (0,9-4,6)	5,0 (1,4-5,4)	
	Power input	T=+35°C	kW	-	-	0,545	0,910	1,280	1,560	
	EER			-	-	4,59	3,84	3,28	3,20	
	Design load (PdesignC)	T=+35°C	kW	-	-	2,5	3,5	4,2	5,0	
	SEER			-	-	8,5	8,5	7,7	7,2	
	Energy efficiency class			-	-	A+++	A+++	A++	A++	
	Annual electricity consumption ¹		kWh/a	-	-	103	144	192	244	
Heating Average season	Nominal Capacity (min/max)	T=+7°C	kW	2,5	3,0	3,2 (1,1-4,2)	4,0 (1,8-5,5)	5,4 (1,4-6,3)	5,8 (1,6-7,5)	
	Power input	T=+7°C	kW	-	-	0,700	0,955	1,460	1,565	
	COP			-	-	4,57	4,19	3,698	3,71	
	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 electricity consumption ¹		kWh/a	-	-	716	882	1155	1309	
Heating Warmer season	SCOP			-	-	6,0	5,7	6,0	5,8	
	Energy efficiency class			-	-	A+++	A+++	A+++	A+++	
Indoor unit	Dimensions	H x W x D	mm	299 x 885 x 195	299 x 885 x 195	299 x 885 x 195	299 x 885 x 195	299 x 885 x 195	299 x 885 x 195	
	Weight		kg	11,5	11,5	11,5	11,5	11,5	11,5	
	Air volume	Cooling	m³/min		4-4,6-6,3-8,3-10,5	4-4,6-6,3-8,3-10,5	4-4,6-6,3-8,3-10,5	4-4,6-6,3-8,3-10,5	5,8-6,6-7,7-8,9-10,3	5,8-6,8-7,9-9,3-11
		Heating	m³/min		4-4,6-6,2-8,9-11,9	4-4,6-6,2-8,9-11,9	4-4,6-6,2-8,9-11,9	4-4,6-6,2-8,9-12,7	5,5-6,3-7,8-9,9-12,7	6,4-7,3-9-11,1-13,2
	Sound pressure (Slo-Lo-Mid-Hi-Shi)	Cooling	dB(A)		21-23-29-36-42	21-23-29-36-42	21-23-29-36-42	21-24-29-36-42	28-31-35-39-42	30-33-36-40-43
		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 power	Nominal	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	880 x 840 x 330	
	Weight		kg	-	-	30	35	35	54	
	Sound pressure	min/max	dB(A)	-	-	47-48	49-50	50-51	52-52	
	Sound power	Nominal	dB(A)	-	-	58	61	62	65	
Operating current (max)	A			-	-	7,3	8,5	9,5	12,4	
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. lenght		m	-	-	20	20	20	30	
	Max. height		m	-	-	12	12	12	15	
Guarenteed operating range (outdoor)	Cooling	°C		-	-	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46	
	Heating	°C		-	-	-15 ~ +24	-15 ~ +24	-15 ~ +24	-15 ~ +24	
Refrigerant²	Type / Precharge	kg		R-410A / -	R-410A / -	R-410A / 0,80	R-410A / 1,15	R-410A / 1,15	R-410A / 1,45	
	GWP ³ / Tons CO ₂ Eq.			2088 / -	2088 / -	2088 / 1,67	2088 / 2,40	2088 / 2,40	2088 / 3,03	

¹ Energy consumption measured with standard tests. Effective consumption depends on operating mode and the location in which the unit is installed.

² If released into the atmosphere, refrigerant gas contributes to global warming. If accidentally released into the atmosphere, refrigerants with a lower global warming potential (GWP) will contribute less to global warming than refrigerants with a higher GWP. The products in this catalogue contain the following refrigerant fluids: HFC-R32 (GWP 675), HFC-R410A (GWP 2088), HFC-R134a (GWP 1430) and HFC-R407C (GWP 1774). Users must not attempt to repair or modify the refrigerant circuit or disassemble the product under any circumstances. Always contact a qualified professional for any work necessary.

Accessories	DESCRIPTION	DURATION	SERIES/OPT.
MAC-2370FT-E / MAC-2320FFE	Silver ionized air purifier filter	12 month	Series
MAC-567IF-E	Wi-Fi interface	-	Optional

Compatible in multisplit configuration with R410A e R32 refrigerant.



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 HFC-410A (GWP 2088), HFC-134A (GWP 1430) e HFC-407C (GWP 1774). Installation of those equipment must be executed by professional installer based on EU reg. 303/2008 and 517/2014



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