

MSZ-E SERIES

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



MSZ-EF18-50VGB



GOOD DESIGN reddot award 2015 winner



Stylish Line-up Matches Any Room Décor

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



Energy-efficient Operation



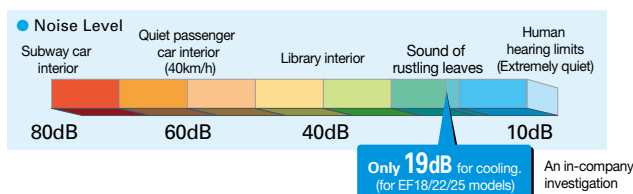
All models in the series have achieved high energy-savings rating, and are contributing to reduced energy consumption in homes, offices and a range of other settings. Offered in a variety of output capacities and installation patterns, the vast applicability promises an ideal match for any user.

Indoor \ Outdoor	Rank A for single connection MUZ-EF25/35VG(H) MUZ-EF42/50VG	Compatibility					
		MXZ					
		2F33VF	2F42VF	2F53VF	3F54VF	3F68VF	4F72VF
MSZ-EF18VG	-	✓	✓	✓	✓	✓	✓
MSZ-EF22VG	-	✓	✓	✓	✓	✓	✓
MSZ-EF25VG	A+++ / A++ (A+++)	✓	✓	✓	✓	✓	✓
MSZ-EF35VG	A+++ / A++ (A++)		✓	✓	✓	✓	✓
MSZ-EF42VG	A++ / A+			✓	✓	✓	✓
MSZ-EF50VG	A++ / A+			✓	✓	✓	✓

*VEH

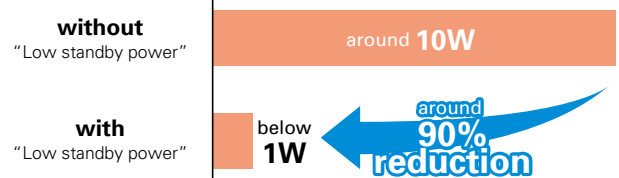
Quiet Comfort All Day Long

Mitsubishi Electric's advanced "Silent Mode" fan speed setting provides super-quiet operation as low as 19dB for EF18/22/25 models for cooling. This unique feature makes the Kirigamine ZEN series ideal for use in any situation.



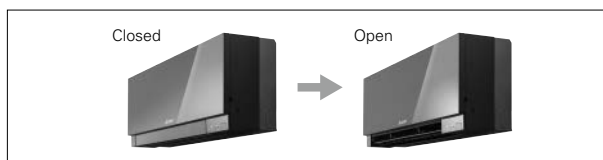
Low Standby Power

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-EF25/35VG

Heater Installed



MUZ-EF25/35VGH

MSZ-E SERIES



Indoor Unit / Remote Controller

R32 R410A



White

MSZ-EF18/22/25/35/42/50VG(K)W



Silver

MSZ-EF18/22/25/35/42/50VG(K)S



Black

MSZ-EF18/22/25/35/42/50VG(K)B*

* Soft-dry Cloth is enclosed with Black models.
* VGK model Wi-Fi interface built-in



Outdoor Unit

R32



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



MUZ-EF50VG



Type	Inverter Heat Pump											
Indoor Unit	MSZ-EF18VG(K)	MSZ-EF22VG(K)	MSZ-EF25VG(K)	MSZ-EF25VG(K)	MSZ-EF35VG(K)	MSZ-EF35VG(K)	MSZ-EF42VG(K)	MSZ-EF50VG(K)	MSZ-EF50VG(K)			
Outdoor Unit	for MXZ connection		MUZ-EF25VG	MUZ-EF25VGH	MUZ-EF35VG	MUZ-EF35VGH	MUZ-EF42VG	MUZ-EF50VG	MUZ-EF50VG			
Refrigerant	R32 ⁽¹⁾											
Power Source	Outdoor Power supply											
Supply	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		-	-	96	96	139	139	186	233	
	SEER ⁽⁴⁾			-	-	9.1	9.1	8.8	8.8	7.9	7.5	
	Capacity	Energy efficiency class		-	-	A+++	A+++	A+++	A+++	A++	A++	
		Rated	kW		-	-	2.5	2.5	3.5	3.5	4.2	5.0
Heating (Average Season) ⁽³⁾	Capacity	Min-Max	kW		-	-	0.9-3.4	0.9-3.4	1.1-4.0	1.1-4.0	0.9-4.6	1.4-5.4
		Total Input	Rated	kW		-	-	0.540	0.540	0.910	0.910	1.200
	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		-	-	2.4 (-10°C)	2.4 (-10°C)	2.9 (-10°C)	2.9 (-10°C)	3.8 (-10°C)	4.2 (-10°C)
	Back up heating capacity	at bivalent temperature		-	-	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		-	-	2.0 (-15°C)	1.6 (-20°C)	2.4 (-15°C)	1.7 (-20°C)	3.4 (-15°C)	3.5 (-15°C)			
Operating Current (Max)	Annual electricity consumption ⁽²⁾	kWh/a		-	-	713	727	882	900	1151	1304	
		SCOP ⁽⁴⁾			-	-	4.7	4.6	4.6	4.5	4.6	4.5
	Capacity	Energy efficiency class		-	-	A++	A++	A++	A+	A++	A+	
		Rated	kW		-	-	3.2	3.2	4.0	4.0	5.4	5.8
	Total Input	Rated	kW		-	-	1.0-4.2	1.0-4.2	1.3-5.1	1.3-5.1	1.3-6.3	1.4-7.5
Indoor Unit	Input	Rated	kW		0.026	0.026	0.026	0.026	0.030	0.030	0.033	0.043
		Operating Current (Max)	A		0.3	0.3	0.3	0.3	0.3	0.3	0.4	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
		Weight		kg		11.5	11.5	11.5	11.5	11.5	11.5	11.5
	Outdoor Unit	Air Volume (SLo-Lo-Mid-Hi-SH ⁽⁵⁾ (Dry/Wet))	Cooling	m ³ /min		4.0-4.6-6.3-8.3-10.5	4.0-4.6-6.3-8.3-10.5	4.0-4.6-6.3-8.3-10.5	4.0-4.6-6.3-8.3-10.5	4.0-4.6-6.3-8.3-10.5	5.8-6.6-7.7-8.9-11.2	5.8-6.8-7.9-9.2-11.3
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	5.5-6.3-7.8-9.9-13.2	6.4-7.2-9.0-11.1-14.6	
Sound Level (SPL)		Cooling	dB(A)		19-23-29-36-42	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	21-24-29-37-45	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	60	
	Heating	dB(A)		-	-	550-800-285	550-800-285	550-800-285	550-800-285	550-800-285	714-900-285	
Ext. Piping	Dimensions	H*W*D		mm		-	-	31	34	35	40	
		Weight		kg		-	-	27.8	27.8	34.3	35	40.2
	Air Volume	Cooling	m ³ /min		-	-	29.8	29.8	32.7	32.7	40.2	
		Heating	m ³ /min		-	-	47	47	49	49	50	52
	Sound Level (SPL)	Cooling	dB(A)		-	-	48	48	50	50	51	52
Heating		dB(A)		-	-	58	58	62	62	62	65	
Operating Current (Max)	A		A <td>6.8</td> <td>6.8</td> <td>6.8</td> <td>6.8</td> <td>9.6</td> <td>13.6</td>		6.8	6.8	6.8	6.8	9.6	13.6		
	Breaker Size		A		10	10	10	10	12	16		
Guaranteed Operating Range (Outdoor)	Diameter	Liquid/Gas	mm		-	-	6.35 / 9.52	6.35 / 9.52	6.35 / 9.52	6.35 / 9.52	6.35 / 9.52	
		Max.Length	m		-	-	20	20	20	20	30	
	Max.Height	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 550. This means that if 1 kg of this refrigerant fluid were leaked to the atmosphere, the impact on global warming would be 550 times higher than 1 kg of CO₂ over a period of 100 years. Never try to interfere with the refrigerant circuit yourself or disassemble the product yourself and always ask a professional.

The GWP of R32 is 675 in the IPCC 4th Assessment Report.

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

(3) SH: Super High

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

(5) Please see page 51-52 for heating (warmer season) specifications.