

# 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



## 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



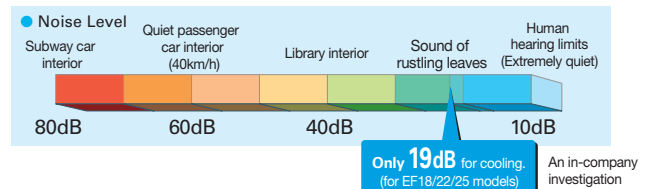
All models in the series have achieved high energy-savings rating, and are contributing to reduced energy consumption in homes, offices and a range of other settings. Offered in a variety of output capacities and installation patterns, the vast applicability promises an ideal match for any user.

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

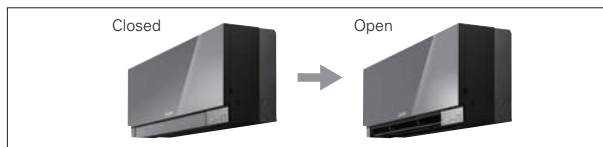
## Quiet Comfort All Day Long

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.



## 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.

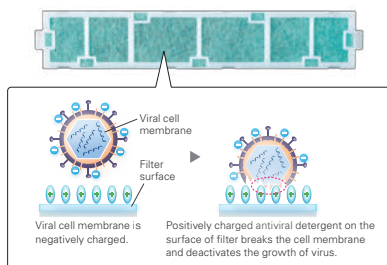


## V Blocking Filter



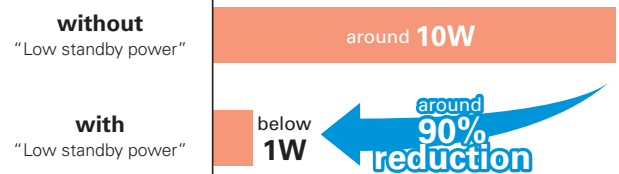
V Blocking Filter with antiviral effect inhibits 99% of adhered virus, and other harmful substances, such as bacteria, mold and allergen.

Two-layered filter with non-woven fabric and electrostatic filter can effectively capture and remove small particles from the air in your room.



## Low Standby Power

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



## Outdoor Units for Cold Region

(25/35)

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

Standard Units

Heater Installed



MUZ-EF25/35VG



MUZ-EF25/35VGH

# MSZ-E SERIES



## Indoor Unit / Remote Controller

R32 R410A



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

White



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

Silver



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

Black

\* 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)			
Outdoor Unit		for MXZ connection		MUZ-EF25VG	MUZ-EF25VGH	MUZ-EF35VG	MUZ-EF35VGH	MUZ-EF42VG	MUZ-EF50VG			
Refrigerant		R32 <sup>(1)</sup>										
Power Supply		Outdoor Power supply										
Source		230/Single/50										
Outdoor (V / Phase / Hz)												
Cooling	Design load	kW		-	-	2.5	2.5	3.5	3.5	4.2	5.0	
	Annual electricity consumption <sup>(2)</sup>	kWh/a		-	-	96	96	139	139	186	233	
	SEER <sup>(4)</sup>			-	-	9.1	9.1	8.8	8.8	7.9	7.5	
	Energy efficiency class			-	-	A+++	A+++	A+++	A+++	A++	A++	
		Capacity	kW		-	-	2.5	2.5	3.5	3.5	4.2	5.0
Heating (Average Season) <sup>(5)</sup>	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	1.200	1.540
	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)	3.8 (-10°C)	4.2 (-10°C)
		at bivalent temperature		kW		-	-	2.4 (-10°C)	2.4 (-10°C)	2.9 (-10°C)	3.8 (-10°C)	4.2 (-10°C)
Back up heating capacity	at operation limit temperature		kW		-	-	2.0 (-15°C)	1.6 (-20°C)	2.4 (-15°C)	3.4 (-15°C)	3.5 (-15°C)	
	Annual electricity consumption <sup>(2)</sup>	kWh/a		-	-	713	727	882	900	1151	1304	
	SEER <sup>(4)</sup>			-	-	4.7	4.6	4.6	4.5	4.6	4.5	
	Energy efficiency class					-	-	A++	A++	A+	A+	
		Capacity	Rated		kW		-	-	3.2	4.0	5.4	5.8
Total Input	Min-Max		kW		-	-	1.0-4.2	1.0-4.2	1.3-5.1	1.3-6.3	1.4-7.5	
	Rated		kW		-	-	0.700	0.700	0.950	1.455	1.560	
Operating Current (Max)	Input	Rated		kW		0.026	0.026	0.026	0.030	0.033	0.043	
	Operating Current (Max)	A				0.3	0.3	0.3	0.3	0.3	0.4	
Indoor Unit	Dimensions	H*W*D		mm		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	
	Air Volume	Cooling		m <sup>3</sup> /min		4.0-4.6-6.3-8.3-10.5	4.0-4.6-6.3-8.3-10.5	4.0-4.6-6.3-8.3-10.5	4.0-4.6-6.3-8.3-10.5	5.8-6.6-7.7-8.9-11.2	5.8-6.6-7.7-8.9-11.2	
		Heating		m <sup>3</sup> /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	5.5-6.3-7.8-9.9-13.2	6.4-7.2-9.0-11.1-14.6	
	Sound Level (SPL) (SLo-Lo-Mid-Hi-SH) <sup>(3)</sup>	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	21-24-30-38-46	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		
	Heating		dB(A)		60	60	60	60	60	60		
Outdoor Unit	Dimensions	H*W*D		mm		-	-	550-800-285	550-800-285	550-800-285	714-800-285	
	Weight	kg				-	-	31	31	34	35	
	Air Volume	Cooling		m <sup>3</sup> /min		-	-	27.8	27.8	34.3	32.0	
		Heating		m <sup>3</sup> /min		-	-	29.8	29.8	32.7	40.2	
	Sound Level (SPL)	Cooling		dB(A)		-	-	47	47	49	50	
Heating		dB(A)		-	-	48	48	50	52			
Sound Level (PWL)	Cooling		dB(A)		-	-	58	58	62	65		
	Heating		dB(A)		-	-	58	58	62	65		
Operating Current (Max)	Input	A				6.8	6.8	6.8	6.8	9.6		
	Breaker Size	A				10	10	10	10	12		
Ext. Piping	Diameter	Liquid/Gas		mm		-	-	6.35 / 9.52	6.35 / 9.52	6.35 / 9.52	6.35 / 9.52	
	Max.Length	Out-In		m		-	-	20	20	20	30	
	Max.Height	Out-In		m		-	-	12	12	12	15	
Guaranteed Operating Range (Outdoor)	Cooling	°C				-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46	-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 would be leaked to the atmosphere, the impact on global warming would be 550 times higher than 1 kg of CO<sub>2</sub> 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) 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 57-58 for heating (warmer season) specifications.