

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-EF22-50VEB



product
design
award

2011



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 the "Rank A" 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.

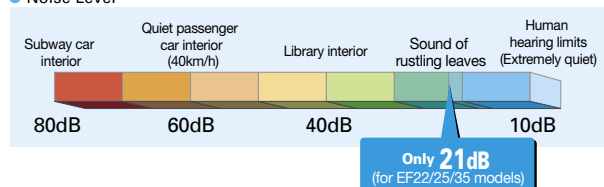
| Indoor \ Outdoor | Rank A for single connection MUZ-EF25/35VE(H) MUZ-EF42/50VE | Compatibility | | | | | | | |
|------------------|---|---------------|---------|---------|--------|--------|--------|--------|---------|
| | | MXZ | | | | | | | |
| | | 2C30VA* | 2C40VA* | 2C52VA* | 3C54VA | 3C68VA | 4C71VA | 4C80VA | 5C100VA |
| MSZ-EF22VE | A/A | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| MSZ-EF25VE | A/A | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| MSZ-EF35VE | A/A | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| MSZ-EF42VE | A/A | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| MSZ-EF50VE | A/A | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |

*Available in Spring 2011

Quiet Comfort All Day Long

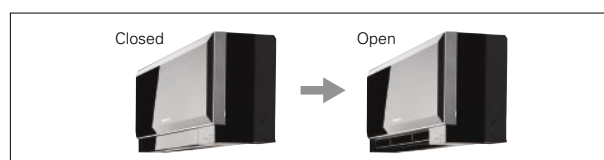
Mitsubishi Electric's advanced "Silent Mode" fan speed setting provides super-quiet operation as low as 21dB for EF22/25/35 models. This unique feature makes the Kirigamine ZEN series ideal for use in any situation.

Noise Level



Superior Exterior and Operating Design Concept

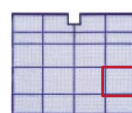
The indoor unit of the Kirigamine ZEN keeps its amazingly thin form even during operation. The only physical change notable is the movement of the variable vent. As a result, a slim attractive look is maintained.



Nano Platinum Filter



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)

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



Indoor Unit



MSZ-EF22/25/35/42/50VEV

White



MSZ-EF22/25/35/42/50VES

Silver



MSZ-EF22/25/35/42/50VEB*

Black

*Soft-dry Cloth is enclosed with Black models.

Outdoor Unit



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



MUZ-EF50VE

Remote Controller



| Type | | | | Inverter Heat Pump | | | | |
|--------------------------------------|-------------------------|--------------------------------------|---------|------------------------------|------------------------------|------------------------------|------------------------------|-------------------------------|
| Indoor Unit | | | | MSZ-EF22VEW/VEB/VES | MSZ-EF25VEW/VEB/VES | MSZ-EF35VEW/VEB/VES | MSZ-EF42VEW/VEB/VES | MSZ-EF50VEW/VEB/VES |
| Outdoor Unit | | | | N/A*2 | MUZ-EF25VE(H) | MUZ-EF35VE(H) | MUZ-EF42VE*3 | MUZ-EF50VE*3 |
| Power Supply | Source | | | Outdoor power supply | | | | |
| | Outdoor (V/Phase/Hz) | | | 230 / Single / 50 | | | | |
| | Indoor (V/Phase/Hz) | | | - | | | | |
| Cooling | Capacity | Rated | kW | - | 2.5 | 3.5 | 4.2 | 5.0 |
| | | Min - Max | kW | - | 1.2 - 3.4 | 1.4 - 4.0 | 0.9 - 4.6 | 1.4 - 5.4 |
| | Total Input | Rated | kW | - | 0.545 | 0.910 | 1.280 | 1.560 |
| | EER | | | - | 4.59 | 3.85 | 3.28 | 3.21 |
| | | EEL Rank | | - | A | A | A | A |
| | SPL | Indoor Unit [Silent-Lo-Mid-Hi-SHi*1] | dB(A) | 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 |
| | | Outdoor Unit [Rated] | dB(A) | - | 47 | 49 | 50 | 52 |
| | Air Volume | Indoor Unit [Silent-Lo-Mid-Hi-SHi*1] | m³/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 | 5.8 - 6.6 - 7.7 - 8.9 - 10.3 | 5.8 - 6.8 - 7.9 - 9.3 - 11 |
| Outdoor Unit [Rated] | | m³/min | - | 32.6 | 33.6 | 35.2 | 44.6 | |
| Heating | Capacity | Rated | kW | - | 3.2 | 4.0 | 5.4 | 5.8 |
| | | Min - Max | kW | - | 1.1 - 4.2 | 1.8 - 5.5 | 1.4 - 6.3 | 1.6 - 7.5 |
| | Total Input | Rated | kW | - | 0.700 | 0.955 | 1.460 | 1.565 |
| | COP | | | - | 4.57 | 4.19 | 3.70 | 3.71 |
| | | EEL Rank | | - | A | A | A | A |
| | SPL | Indoor Unit [Silent-Lo-Mid-Hi-SHi*1] | dB(A) | 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 |
| | | Outdoor Unit [Rated] | dB(A) | - | 48 | 50 | 51 | 52 |
| | Air Volume | Indoor Unit [Silent-Lo-Mid-Hi-SHi*1] | m³/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 - 12.7 | 5.5 - 6.3 - 7.8 - 9.9 - 12.7 | 6.4 - 7.3 - 9.0 - 11.1 - 13.2 |
| Outdoor Unit [Rated] | | m³/min | - | 32.2 | 33.6 | 33.6 | 44.6 | |
| Operating Current (max) | | | | | 7.3 | 8.5 | 9.5 | 12.4 |
| Indoor Unit | Input | Rated | kW | 0.027 | 0.027 | 0.031 | 0.031 | 0.034 |
| | Operating Current (max) | | A | 0.3 | 0.3 | 0.3 | 0.3 | 0.4 |
| | Dimensions | H x W x D | mm | 299 - 895 - 195 | 299 - 895 - 195 | 299 - 895 - 195 | 299 - 895 - 195 | 299 - 895 - 195 |
| | Weight | | kg | 11.5 | 11.5 | 11.5 | 11.5 | 11.5 |
| | Breaker Size | | A | 10 | 10 | 10 | 10 | 16 |
| Outdoor Unit | Dimensions | H x W x D | mm | - | 550 - 800 - 285 | 550 - 800 - 285 | 550 - 800 - 285 | 880 - 840 - 330 |
| | Weight | | kg | - | 30 | 35 | 35 | 54 |
| | Operating Current (max) | | A | - | 7.0 | 8.2 | 9.2 | 12.0 |
| | Breaker Size | | A | - | 10 | 10 | 10 | 16 |
| | | | mm | - | 550 - 800 - 285 | 550 - 800 - 285 | 550 - 800 - 285 | 880 - 840 - 330 |
| Ext. Piping | Diameter | Liquid / Gas | mm | - | 6.35 / 9.52 | 6.35 / 9.52 | 6.35 / 9.52 | 6.35 / 12.7 |
| | 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 |
| | | | Heating | °C | - | -15(-20) ~ +24 | -15(-20) ~ +24 | -15 ~ +24 |

*1 SHi → Super High *2 MSZ-EF22 is for MXZ connection only.

*3 Freeze-prevention Heater (for Drain Pan) is available as optional parts. For EF42 : MAC-643BH-E. For EF50 : MAC-644BH-E.