# MFZ SERIES

MFZ-KJ25/35/50VE2

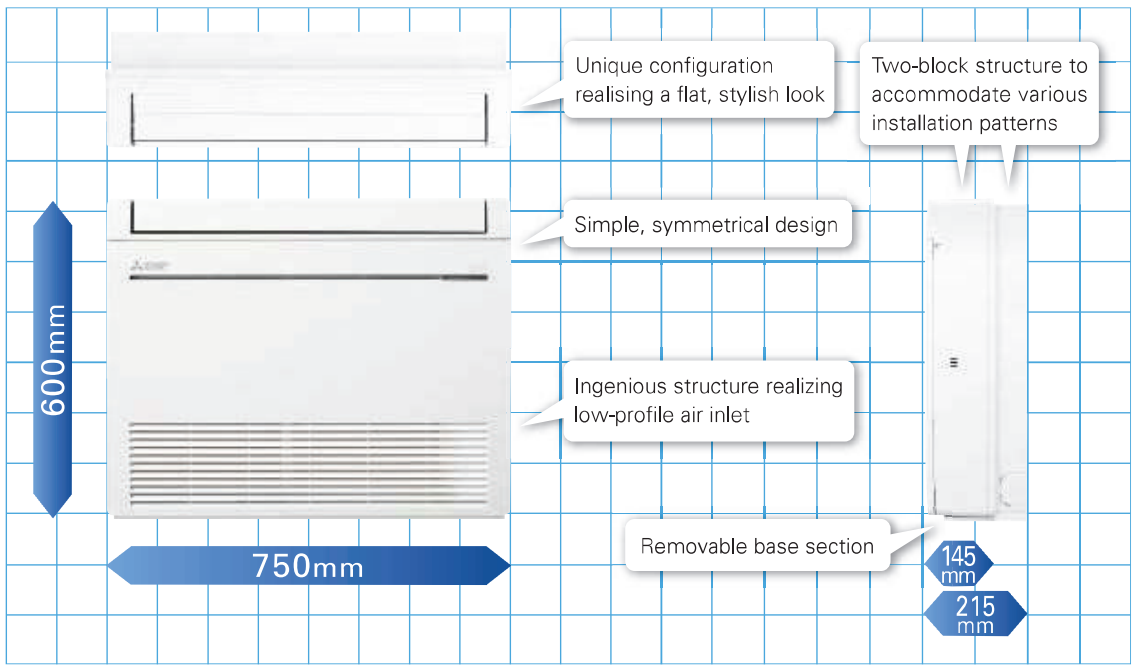
R410A

GOOD DESIGN

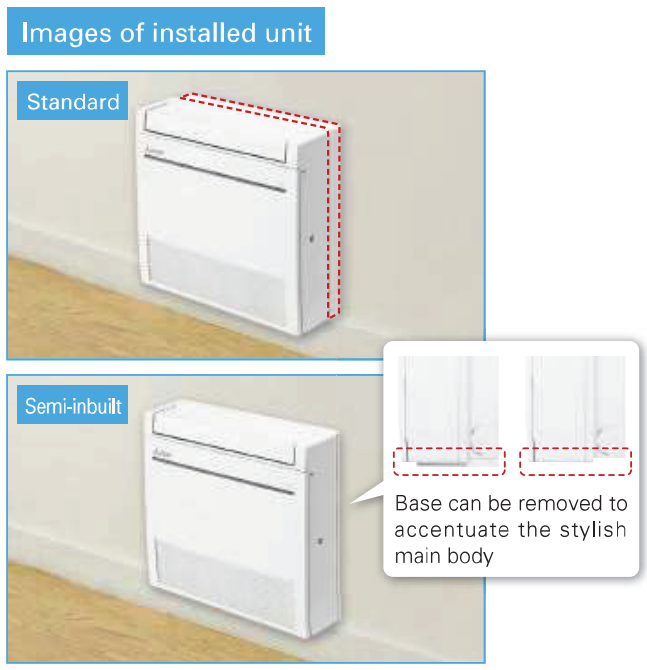
High Capacity, Energy Savings and a Design in Harmony with Living Spaces
Raise the Value of Your Room to the Next Level.

## Simple , Flat Design

Uneven surfaces have been smoothed to provide a simple design with linear beauty, harmonised with all types of interiors.




Images of installed unit



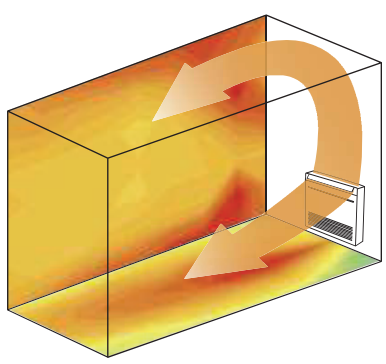

## Multi-flow Vane

Three uniquely shaped vanes control the airflow and allow the freedom to customize comfort according to preferences.

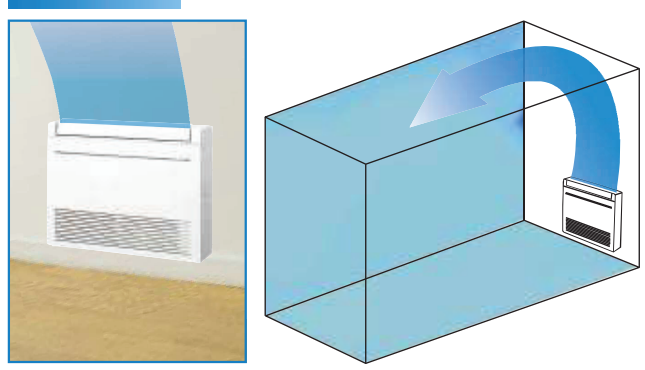
When heating


**Rapid heating**

Warm air is blown out in a downward direction and then sucked back into the unit to quickly raise the temperature of the air being blown out.



When cooling



* The downward airflow is also possible as well as heating.

## Excellent Energy-saving Performance

SEER 25 A+++ SCOP A+

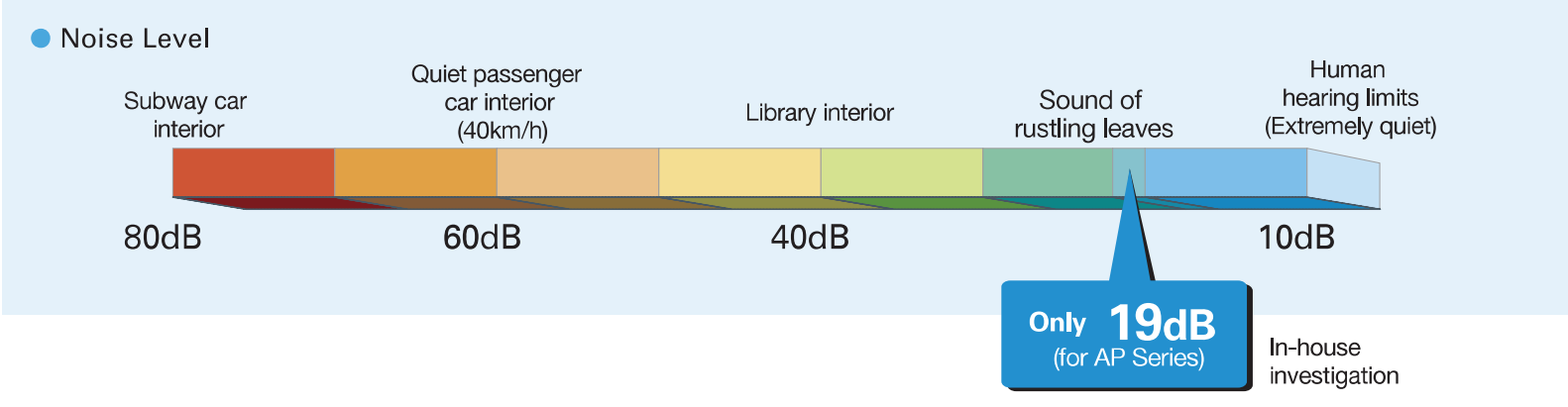
SEER A+++ (25) and SCOP A+ (25/35/50) ratings have been achieved through development focusing on compliance with European energy-related product (ErP) regulations.

## Weekly Timer (Introduced in response to market demand)

Temperature settings and On/Off control can be managed over a period of one week using the Weekly Timer. Up to eight setting patterns per calendar day are possible.

## Quiet Operation

The indoor unit noise level is as low as 19dB for MFZ Series, offering a peaceful inside environment.



# MFZ-KJ SERIES

EUROVENT CERTIFIED PERFORMANCE

DC Inverter | DC Fan Motor | PAM | Grooved Piping | SEER 25 A+++ | SCOP A+

## Indoor Unit R410A

GOOD DESIGN

MFZ-KJ25/35/50VE2

## Outdoor Unit R410A

MUFZ-KJ25/35VE

MUFZ-KJ50VE

## Remote Controller

Econo Cool | Pure White | AUTO VANE | Silver-ion | Air Purifying | SWING | AUTO | Weekly Timer | i save | ACO | Auto Restart | Low Temp Cooling | Optional | Group Control Optional | M-NET connection Optional

Wi-Fi Interface Optional | MXZ connection | Cleaning-free, pipe reuse | Flare connection | Self Diagnosis | Failure Recall

| Type | | | | Inverter Heat Pump | | |
|---|---|---|---|---|---|---|
| Indoor Unit | | | | MFZ-KJ25VE2 | MFZ-KJ35VE2 | MFZ-KJ50VE2 |
| Outdoor Unit | | | | MUFZ-KJ25VE | MUFZ-KJ35VE | MUFZ-KJ50VE |
| Refrigerant | | | | R410A(*1) | R410A(*1) | R410A(*1) |
| Power Supply | Source | | | Outdoor power supply | | |
| | Outdoor(V/Phase/Hz) | | | 230 / Single / 50 | | |
| Cooling | Design load | | kW | 2.5 | 3.5 | 5.0 |
| | Annual electricity consumption(*2) | | kWh/a | 102 | 150 | 266 |
| | SEER(*4) | | | 8.5 | 8.1 | 6.5 |
| | | Energy efficiency class | | A+++ | A++ | A++ |
| | Capacity | Rated | kW | 2.5 | 3.5 | 5.0 |
| | | Min-Max | kW | 0.5 - 3.4 | 0.5 - 3.7 | 1.6 - 5.7 |
| | Total Input | Rated | kW | 0.540 | 0.940 | 1.410 |
| Heating (Average Season) | Design load | | kW | 3.4(-10°C) | 3.5(-10°C) | 4.4(-10°C) |
| | Declared Capacity | at reference design temperature | kW | 3.4(-10°C) | 3.5(-10°C) | 4.4(-10°C) |
| | | at bivalent temperature | kW | 3.4(-10°C) | 3.5(-10°C) | 4.4(-10°C) |
| | | at operation limit temperature | kW | 2.4(-15°C) | 2.9(-15°C) | 6.0(-15°C) |
| | Back up heating capacity | | kW | 0.0(-10°C) | 0.0(-10°C) | 0.0(-10°C) |
| | Annual electricity consumption(*2) | | kWh/a | 1059 | 1110 | 1406 |
| | SCOP(*4) | | | 4.5 | 4.4 | 4.3 |
| | | Energy efficiency class | | A+ | A+ | A+ |
| | Capacity | Rated | kW | 3.4 | 4.3 | 6.0 |
| | | Min-Max | kW | 1.2 - 4.6 | 1.2 - 5.5 | 2.2 - 8.2 |
| | Total Input | Rated | kW | 0.770 | 1.100 | 1.610 |
| Operating Current (Max) | | | A | 9.4 | 9.4 | 14.0 |
| Indoor Unit | Input | Rated | kW | 0.016 | 0.016 | 0.038 |
| | Operating Current(Max) | | A | 0.17 | 0.17 | 0.34 |
| | Dimensions | H*W*D | mm | 600-750-215 | 600-750-215 | 600-750-215 |
| | Weight | | kg | 15 | 15 | 15 |
| | Air Volume | Cooling | m3/min | 3.9 - 4.9 - 5.9 - 7.1 - 8.2 | 3.9 - 4.9 - 5.9 - 7.1 - 8.2 | 5.6 - 6.7 - 8.0 - 9.3 - 10.6 |
| | (SLo-Lo-Mid-Hi-SHi(*3)) | Heating | m3/min | 3.9 - 5.1 - 6.2 - 7.7 - 9.7 | 3.9 - 5.1 - 6.2 - 7.7 - 9.7 | 6.0 - 7.4 - 9.4 - 11.6 - 14.0 |
| | Sound Level (SPL) | Cooling | dB(A) | 20 - 25 - 30 - 35 - 39 | 20 - 25 - 30 - 35 - 39 | 27 - 31 - 35 - 39 - 44 |
| | (SLo-Lo-Mid-Hi-SHi(*3)) | Heating | dB(A) | 19 - 25 - 30 - 35 - 41 | 19 - 25 - 30 - 35 - 41 | 29 - 35 - 40 - 45 - 50 |
| | Sound Level (PWL) | Cooling | dB(A) | 49 | 50 | 56 |
| Outdoor Unit | Dimensions | H*W*D | mm | 550-800-285 | 550-800-285 | 880-840-330 |
| | Weight | | kg | 37 | 37 | 55 |
| | Air Volume | Cooling | m3/min | 31.3 | 31.3 | 45.8 |
| | | Heating | m3/min | 33.6 | 33.6 | 45.8 |
| | Sound Level (SPL) | Cooling | dB(A) | 46 | 47 | 49 |
| | | Heating | dB(A) | 51 | 51 | 51 |
| | Sound Level (PWL) | Cooling | dB(A) | 59 | 60 | 63 |
| | Operating Current(Max) | | A | 9.2 | 9.2 | 13.6 |
| | Breaker Size | | A | 10 | 10 | 16 |
| Ext. Piping | Diameter | Liquid/Gas | mm | 6.35/9.52 | 6.35/9.52 | 6.35/12.7 |
| | Max.Length | Out-In | m | 20 | 20 | 30 |
| | Max.Height | Out-In | m | 12 | 12 | 15 |
| Guaranteed Operating Range [Outdoor] | | Cooling | °C | -10 ~ +46 | -10 ~ +46 | -10 ~ +46 |
| | | Heating | °C | -15 ~ +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 1975. This means that if 1 kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 1975 times higher than 1 kg of $CO_2$, 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 R410A is 2088 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".