

# MFZ SERIES

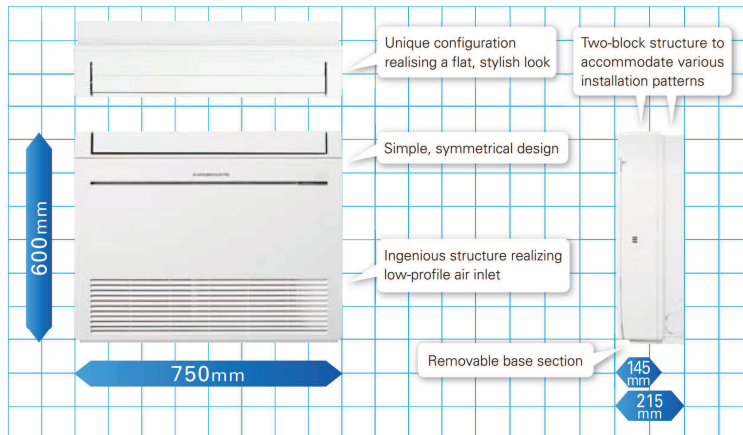
High Capacity, Energy Savings and a Design in Harmony with Living Spaces  
Raise the Value of Your Room to the Next Level.

MFZ-KJ25/35/50VE

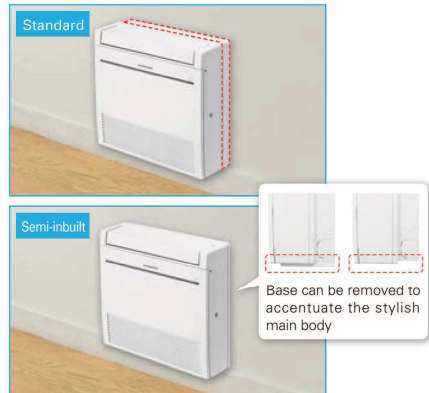


## Simple , Flat Design

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

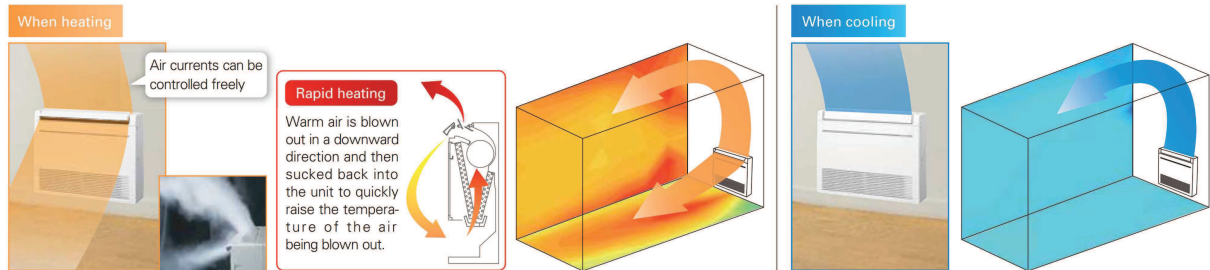


### Images of installed unit



## Multi-flow Vane

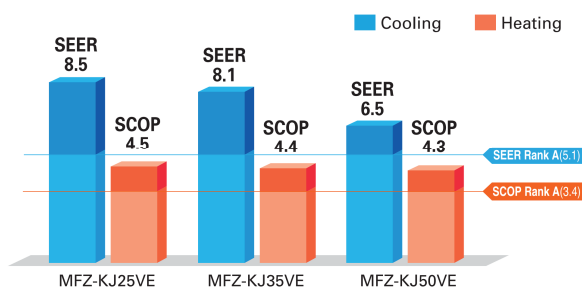
Three uniquely shaped vanes control the airflow and allow the freedom to customize comfort according to preferences.



## Excellent Energy-saving Performance



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.

## Trouble-free Installation and Maintenance

Using the original installation plate that comes as standard equipment, installation of the unit is a snap. Levelling adjusters are provided, preventing damage to the wall. Generous pipe length (20–30 metres) is provided, so there is no need to worry about distance to the outdoor unit. All units are equipped with an automatic self-diagnostics function as well. Simply access the trouble log recall mode for instant troubleshooting.

# MFZ-KJ SERIES



## Indoor Unit



MFZ-KJ25/35/50VE

## Outdoor Unit



MUFZ-KJ25/35VE



MUFZ-KJ50VE

## Remote Controller



| Type                                 | Inverter Heat Pump                                   |                                 |             |                             |             |
|--------------------------------------|--|---------------------------------|-------------|-----------------------------|-------------|
| Indoor Unit                          | MFZ-KJ25VE   |                                 | MFZ-KJ35VE  |                             |             |
| Outdoor Unit                         | MUFZ-KJ25VE  |                                 | MUFZ-KJ35VE |                             |             |
| Refrigerant                          | R410A(*)   |                                 | R410A(*)    |                             |             |
| Power Source                         | Outdoor power supply                                 |                                 |             |                             |             |
| Supply                               | Outdoor(V/Phase/Hz)                                  |                                 |             |                             |             |
|                                      | 230 / Single / 50                                    |                                 |             |                             |             |
| Cooling                              | Design load  | kW                              | 2.5         | 3.5                         |             |
|                                      | Annual electricity consumption (**)                  | kWh/a                           | 102         | 150                         |             |
|                                      | SEER (4)   |                                 | 8.5         | 8.1                         |             |
|                                      | Capacity   | Energy efficiency class         |             | A+++                        | A++         |
|                                      |  | Rated                           | kW          | 2.5                         | 3.5         |
| Total Input                          | Rated  | kW                              | 0.5 - 3.4   | 0.5 - 3.7                   |             |
| Heating<br>(Average Season)          | Design load  | kW                              | 3.4(-10°C)  | 3.5(-10°C)                  |             |
|                                      | Declared Capacity                                    | at reference design temperature | kW          | 3.4(-10°C)                  | 3.5(-10°C)  |
|                                      |  | at bivalent temperature         | kW          | 3.4(-10°C)                  | 3.5(-10°C)  |
|                                      |  | at operation limit temperature  | kW          | 2.4(-15°C)                  | 2.9(-15°C)  |
|                                      | Back up heating capacity                             | kW                              | 0.0(-10°C)  | 0.0(-10°C)                  |             |
|                                      | Annual electricity consumption (**) (Average Season) | kWh/a                           | 1059        | 1110                        |             |
|                                      | SCOP (4)   |                                 | 4.5         | 4.4                         |             |
|                                      | Capacity   | Energy efficiency class         |             | A+                          | A+          |
|                                      |  | Rated                           | kW          | 3.4                         | 4.3         |
|                                      |  | Min-Max                         | kW          | 1.2 - 4.6                   | 1.2 - 5.5   |
| Total Input                          | Rated  | kW                              | 0.770       | 1.100                       |             |
| Operating Current (Max)              |  | A                               | 9.4         | 14.0                        |             |
| Indoor Unit                          | Input  | Rated                           | kW          | 0.016                       |             |
|                                      | Operating Current(Max)                               |                                 | A           | 0.17                        |             |
|                                      | Dimensions   | H*W*D                           | mm          | 600-750-215                 |             |
|                                      | Weight   |                                 | kg          | 15                          |             |
|                                      | Air Volume   | Cooling                         | m3/min      | 3.9 - 4.9 - 5.9 - 7.1 - 8.2 |             |
|                                      |  | Heating                         | m3/min      | 3.9 - 5.1 - 6.2 - 7.7 - 9.7 |             |
|                                      | Sound Level (SPL)                                    | Cooling                         | dB(A)       | 20 - 25 - 30 - 35 - 39      |             |
|                                      |  | Heating                         | dB(A)       | 19 - 25 - 30 - 35 - 41      |             |
|                                      | Sound Level (PWL)                                    | Cooling                         | dB(A)       | 49                          |             |
|                                      | Outdoor Unit   | Dimensions                      | H*W*D       | mm                          | 550-800-285 |
| Weight                               |  |                                 | kg          | 37                          |             |
| Air Volume                           |  | Cooling                         | m3/min      | 31.3                        |             |
|                                      |  | Heating                         | m3/min      | 33.6                        |             |
| Sound Level (SPL)                    |  | Cooling                         | dB(A)       | 46                          |             |
|                                      |  | Heating                         | dB(A)       | 51                          |             |
| Sound Level (PWL)                    |  | Cooling                         | dB(A)       | 59                          |             |
|                                      |  | Heating                         | dB(A)       | 63                          |             |
| Operating Current(Max)               |  |                                 | A           | 9.2                         |             |
| Breaker Size                         |  |                                 | A           | 10                          |             |
| Ext. Piping                          | Diameter   | Liquid/Gas                      | mm          | 6.35/9.52                   |             |
|                                      | Max.Length   | Out-In                          | m           | 20                          |             |
|                                      | Max.Height   | Out-In                          | m           | 12                          |             |
| Guaranteed Operating Range [Outdoor] | Cooling  | °C                              | -10 ~ +46   |                             |             |
|                                      | Heating  | °C                              | -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<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.

(\*\*)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".