

MSZ-BT20/25/35/50VG(K)

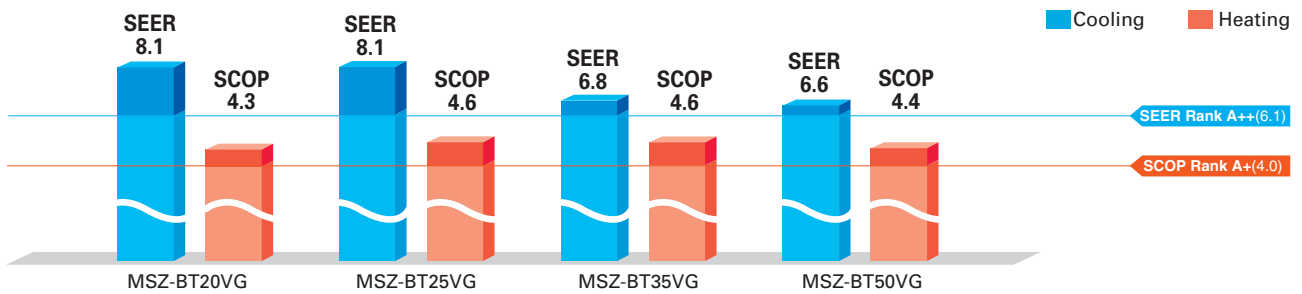


MSZ-BT SERIES

High Energy Efficiency for Entire Range of Series

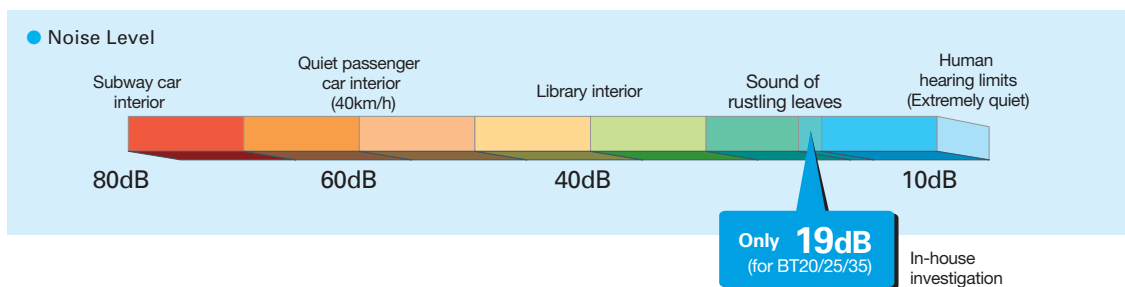


All models in the series, from the low-capacity 20 to the high-capacity 50, have achieved the "Rank A++" for SEER and size 25 and 35 have achieved the "Rank A++" for SCOP as energy-savings rating. For home use, such as in bedrooms and living rooms, to light commercial use, such as in offices, our air conditioners are contributing to reduced energy consumption in a wide range.



Quiet Operation

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



New Remote Controller

New stylish and compact remote controller features easy-read big display and simple button position with fundamental functions.



Built-in Wi-Fi Interface

(MSZ-BT20/25/35/50VGK)

The indoor unit is equipped with a Wi-Fi Interface inside an exclusive pocket in the unit.

This eliminates the need to install a Wi-Fi interface, and also contributes to the beautiful appearance since the interface is hidden.

MSZ-BT SERIES



Indoor Unit



MSZ-BT20/25/35/50VG(K)

Outdoor Unit



MUZ-BT20VG

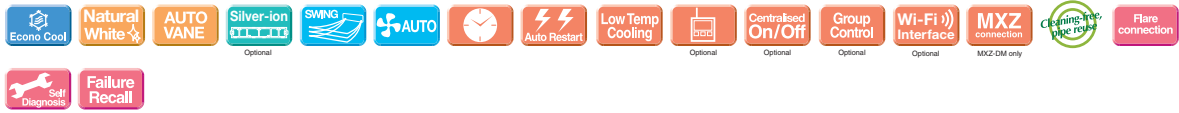


MUZ-BT25/35VG



MUZ-BT50VG

Remote Controller



| Type | Inverter Heat Pump | | | | | | |
|--|--|---------------------------------|---------------------|------------------------------|------------------------------|------------------------------|-------------------------------|
| Indoor Unit | MSZ-BT20VG | MSZ-BT25VG | MSZ-BT35VG | MSZ-BT50VG | | | |
| Outdoor Unit | MUZ-BT20VG | MUZ-BT25VG | MUZ-BT35VG | MUZ-BT50VG | | | |
| Refrigerant | R32 ⁽¹⁾ | | | | | | |
| Power Source | Outdoor Power supply | | | | | | |
| Supply | Outdoor (V / Phase / Hz) | | | | | | |
| | | 230V/Single/50Hz | | | | | |
| Cooling | Design load | kW | 2.0 | 2.5 | 3.5 | 5.0 | |
| | Annual electricity consumption ⁽²⁾ | kWh/a | 86 | 108 | 180 | 265 | |
| | SEER ⁽⁴⁾ | | 8.1 | 8.1 | 6.8 | 6.6 | |
| | Capacity | Energy efficiency class | | A++ | A++ | A++ | A++ |
| | | Rated | kW | 2.0 | 2.5 | 3.5 | 5.0 |
| | Min-Max | kW | 0.5-2.9 | 0.5-3.0 | 0.9-3.5 | 1.3-5.0 | |
| | Total Input | Rated | kW | 0.450 | 0.700 | 1.240 | 2.050 |
| Heating (Average Season) ⁽³⁾ | Design load | kW | 1.5 (-10°C) | 1.9 (-10°C) | 2.4 (-10°C) | 3.8 (-10°C) | |
| | Declared Capacity | at reference design temperature | kW | 1.5 (-10°C) | 1.9 (-10°C) | 2.4 (-10°C) | 3.8 (-10°C) |
| | | at bivalent temperature | kW | 1.5 (-10°C) | 1.9 (-10°C) | 2.4 (-10°C) | 3.8 (-10°C) |
| | | at operation limit temperature | kW | 1.3 (-15°C) | 1.7 (-15°C) | 2.1 (-15°C) | 3.4 (-15°C) |
| | Back up heating capacity | kW | 0.0 (-10°C) | 0.0 (-10°C) | 0.0 (-10°C) | 0.0 (-10°C) | |
| | Annual electricity consumption ⁽²⁾ | kWh/a | 487 | 577 | 727 | 1209 | |
| | SCOP ⁽⁴⁾ | | 4.3 | 4.6 | 4.6 | 4.4 | |
| | Capacity | Energy efficiency class | | A+ | A++ | A++ | A+ |
| | | Rated | kW | 2.5 | 3.15 | 3.6 | 5.4 |
| | | Min-Max | kW | 0.7-3.2 | 0.7-3.5 | 0.9-4.1 | 1.4-6.5 |
| | Total Input | Rated | kW | 0.550 | 0.750 | 0.930 | 1.550 |
| Operating Current (Max) | Input | Rated | A | 5.6 | 7.0 | 7.0 | 10.0 |
| | Operating Current(Max) | kW | 0.024 | 0.024 | 0.031 | 0.037 | |
| | Rated | A | 0.25 | 0.25 | 0.31 | 0.35 | |
| Indoor Unit | Dimensions | H*W*D | mm | 280-838-235 | 280-838-235 | 280-838-235 | 280-838-235 |
| | Weight | | kg | 9 | 9 | 9 | 9 |
| | Air Volume (Lo-Mid-Hi-SH) ⁽⁵⁾ (Dry/Wet) | Cooling | m ³ /min | 4.2 - 5.2 - 6.8 - 8.7 - 10.9 | 4.2 - 5.2 - 6.8 - 8.7 - 10.9 | 4.2 - 5.2 - 6.8 - 8.7 - 13.2 | 6.3 - 7.6 - 9.0 - 11.0 - 13.2 |
| | | Heating | m ³ /min | 4.2 - 5.0 - 6.8 - 9.0 - 11.9 | 4.2 - 5.0 - 6.8 - 9.0 - 11.9 | 4.2 - 5.0 - 6.8 - 9.0 - 11.9 | 6.0 - 7.8 - 9.9 - 11.9 - 14.1 |
| | Sound Level (SPL) (Lo-Mid-Hi-SH) ⁽⁵⁾ | Cooling | dB(A) | 19 - 22 - 30 - 37 - 43 | 19 - 22 - 30 - 37 - 43 | 19 - 22 - 31 - 38 - 46 | 29 - 33 - 36 - 40 - 46 |
| | | Heating | dB(A) | 20 - 23 - 30 - 37 - 43 | 20 - 23 - 30 - 37 - 43 | 20 - 23 - 30 - 37 - 44 | 29 - 33 - 38 - 43 - 48 |
| | Sound Level (PWL) | Cooling | dB(A) | 57 | 57 | 60 | 60 |
| | | Heating | dB(A) | 57 | 57 | 60 | 60 |
| | Dimensions | H*W*D | mm | 538-699-249 | 538-699-249 | 538-699-249 | 550-800-285 |
| | Weight | | kg | 23 | 24 | 24 | 35 |
| Outdoor Unit | Air Volume | Cooling | m ³ /min | 30.3 | 32.2 | 32.2 | 30.4 |
| | | Heating | m ³ /min | 30.3 | 32.2 | 34.6 | 32.7 |
| | Sound Level (SPL) | Cooling | dB(A) | 50 | 50 | 52 | 50 |
| | | Heating | dB(A) | 50 | 50 | 52 | 51 |
| | Sound Level (PWL) | Cooling | dB(A) | 63 | 63 | 64 | 64 |
| | | Heating | dB(A) | 63 | 63 | 64 | 64 |
| Operating Current (Max) | A | | 5.3 | 6.7 | 6.7 | 9.6 | |
| Breaker Size | A | | 10 | 10 | 10 | 12 | |
| 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 | 20 |
| | Max.Height | Out-In | m | 12 | 12 | 12 | 12 |
| Guaranteed Operating Range (Outdoor) | Cooling | °C | | -10 ~ +46 | -10 ~ +46 | -10 ~ +46 | -10 ~ +46 |
| | Heating | °C | | -15 ~ +24 | -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 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 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) 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 51-52 for heating (warmer season) specifications.