










# MLZ SERIES



|   |   |   |  |
|---|---|---|--|
| <p><b>Indoor Unit</b> <span style="border: 1px solid green; border-radius: 50%; padding: 2px;">R32</span></p>  <p>MLZ-KP25/35/50VF</p>  <p><b>GOOD DESIGN AWARD 2017</b></p> <hr/> <p><span style="border: 1px solid green; border-radius: 50%; padding: 2px;">R32</span></p>  <p>MLZ-KY20VG</p> | <p><b>Panel</b></p> <p><b>MLP-444W</b></p> <hr/> <p><b>MLP-448W</b></p> | <p><b>Outdoor Unit</b></p>  <p>SUZ-M25/35VA</p>  <p>SUZ-M50VA</p> <hr/> <p><b>For Multi Connection Only</b></p> | <p><b>Remote Controller</b></p>  <p>Built in<br/>MLZ-KP/KY</p>  <p>*optional</p>  <p>*optional</p>  <p>*optional</p> |
|---|---|---|--|

Econo Cool

AUTO VANE

Silver-ion

V Blocking Filter

Air Purifying

SWING

High Ceiling

i-AUTO

Weekly Timer

AC0

Auto Restart

Group Control

M-NET connection

Wi-Fi Interface

MXZ connection

10°C

I save

Drain Lift Up

Flare connection

Self Diagnosis

Failure Recall

| Type                                 | Inverter Heat Pump                               |                                 |                     |                           |                 |                   |                 |
|--------------------------------------|--|---------------------------------|---------------------|---------------------------|-----------------|-------------------|-----------------|
| Indoor Unit                          | MLZ-KP25VF                                       | MLZ-KP35VF                      | MLZ-KP50VF          | MLZ-KY20VG                |                 |                   |                 |
| Outdoor Unit                         | SUZ-M25VA  | SUZ-M35VA                       | SUZ-M50VA           | For Multi connection only |                 |                   |                 |
| Refrigerant                          | R32 <sup>(1)</sup>                               |                                 |                     |                           |                 |                   |                 |
| Power Supply                         | Source   | Outdoor Power supply            |                     |                           |                 |                   |                 |
|                                      | Outdoor ( V / Phase / Hz )                       | 230V / Single / 50Hz            |                     |                           |                 |                   |                 |
| Cooling                              | Design load                                      | kW                              | 2.5                 | 3.5                       | 5.0             | —                 |                 |
|                                      | Annual electricity consumption <sup>(2)</sup>    | kWh/a                           | 141                 | 175                       | 260             | —                 |                 |
|                                      | SEER <sup>(3),(4)</sup>                          |                                 | 6.2                 | 7.0                       | 6.7             | —                 |                 |
|                                      | Energy efficiency class                          |                                 | A++                 | A++                       | A++             | —                 |                 |
|                                      |  | Rated                           | kW                  | 2.5                       | 3.5             | 5.0               | —               |
|                                      | Capacity   | Min-Max                         | kW                  | 1.4 - 3.2                 | 0.8 - 3.9       | 1.7 - 5.6         | —               |
| Total Input                          | Rated  | kW                              | 0.59                | 0.94                      | 1.38            | —                 |                 |
| Heating (Average Season)             | Design load                                      | kW                              | 2.2                 | 2.6                       | 4.3             | —                 |                 |
|                                      | Declared Capacity                                | at reference design temperature | kW                  | 2.0 (-10°C)               | 2.3 (-10°C)     | 3.8 (-10°C)       | —               |
|                                      |  | at bivalent temperature         | kW                  | 2.0 (-7°C)                | 2.3 (-7°C)      | 3.8 (-7°C)        | —               |
|                                      |  | at operation limit temperature  | kW                  | 2.0 (-10°C)               | 2.3 (-10°C)     | 3.8 (-10°C)       | —               |
|                                      | Back up heating capacity                         | kW                              | 0.2                 | 0.3                       | 0.5             | —                 |                 |
|                                      | Annual electricity consumption <sup>(2)</sup>    | kWh/a                           | 697                 | 791                       | 1397            | —                 |                 |
| SCOP <sup>(3),(4)</sup>              |  | 4.4                             | 4.6                 | 4.3                       | —               |                   |                 |
| Energy efficiency class              |  | A+                              | A++                 | A+                        | —               |                   |                 |
|                                      | Rated  | kW                              | 3.2                 | 4.1                       | 6.0             | —                 |                 |
| Capacity                             | Min-Max  | kW                              | 1.4 - 4.2           | 1.1 - 4.9                 | 1.7 - 7.2       | —                 |                 |
| Total Input                          | Rated  | kW                              | 0.80                | 1.10                      | 1.86            | —                 |                 |
| Operating Current (Max)              | Input  | A                               | 7.2                 | 8.9                       | 13.9            | —                 |                 |
|                                      | Rated  | kW                              | 0.04                | 0.04                      | 0.04            | 0.012             |                 |
| Indoor Unit                          | Operating Current(Max)                           | A                               | 0.40                | 0.40                      | 0.40            | 0.12              |                 |
|                                      | Dimensions                                       | H*W*D                           | mm                  | 185-1102-360              | 185-1102-360    | 185-1102-360      | 194-842-301     |
|                                      | Weight   |                                 | kg                  | 15.5                      | 15.5            | 15.5              | 14              |
|                                      | Air Volume (Lo-Lo-Mid-Hi <sup>(5)</sup> )        | Cooling                         | m <sup>3</sup> /min | 6.0-7.2-8.0-8.8           | 6.0-7.3-8.4-9.4 | 6.0-8.3-9.8-11.4  | 4.3-4.7-5.2-5.6 |
|                                      |  | Heating                         | m <sup>3</sup> /min | 6.0-7.0-8.2-9.2           | 6.0-7.7-8.8-9.9 | 6.0-8.8-10.3-11.8 | 4.3-4.9-5.5-6.0 |
|                                      | Sound Level (SPL) (Lo-Lo-Mid-Hi <sup>(5)</sup> ) | Cooling                         | dB(A)               | 27-31-34-38               | 27-32-36-40     | 29-36-41-47       | 30-32-34-37     |
|                                      |  | Heating                         | dB(A)               | 26-27-34-37               | 29-32-36-40     | 26-37-42-48       | 29-32-35-58     |
|                                      | Sound Level (PWL)                                | Cooling                         | dB(A)               | 52                        | 53              | 59                | 40-42-44-50     |
|                                      | Dimensions                                       | H*W*D                           | mm                  | 24-1200-424               | 24-1200-424     | 24-1200-424       | 34-915-370      |
|                                      |  | Weight                          |                     | kg                        | 3.5             | 3.5               | 3.5             |
| Outdoor Unit                         | Dimensions                                       | H*W*D                           | mm                  | 550-800-285               | 550-800-285     | 550-800-285       | —               |
|                                      | Weight   |                                 | kg                  | 30                        | 35              | 41                | —               |
|                                      | Air Volume                                       | Cooling                         | m <sup>3</sup> /min | 36.3                      | 34.3            | 45.8              | —               |
|                                      |  | Heating                         | m <sup>3</sup> /min | 34.6                      | 32.7            | 43.7              | —               |
|                                      | Sound Level (SPL)                                | Cooling                         | dB(A)               | 45                        | 48              | 48                | —               |
|                                      |  | Heating                         | dB(A)               | 46                        | 48              | 49                | —               |
|                                      | Sound Level (PWL)                                | Cooling                         | dB(A)               | 59                        | 59              | 64                | —               |
|                                      | Operating Current (Max)                          | A                               | 6.8                 | 8.5                       | 13.5            | —                 |                 |
|                                      | Breaker Size                                     | A                               | 10                  | 10                        | 20              | —                 |                 |
|                                      | 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              | 30                | —               |
| Guaranteed Operating Range (Outdoor) | Cooling  | °C                              | -10~+46             | -10~+46                   | -15~+46         | —                 |                 |
|                                      | Heating  | °C                              | -10~+24             | -10~+24                   | -10~+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.  
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) 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".

(5) SEER and SCOP are based on 2009/125/EC:Energy-related Products Directive and Regulation(EU) No206/2012.