



# ENERGY



Model Indoor unit **MSZ-AY25VGK(P)**  
Outdoor unit **MUZ-AY25VG**

SEER



**A<sup>+++</sup>**

**A<sup>+++</sup>**

**A<sup>++</sup>**

**A<sup>+</sup>**

**A**

**B**

**C**

**D**

kW **2,5**

SEER **8,7**

kWh/annum **100**



**57dB**



**59dB**

SCOP



**A<sup>+++</sup>**

**A<sup>+++</sup>**

**A<sup>++</sup>**

**A<sup>++</sup>**

**A<sup>+</sup>**

**A**

**B**

**C**

**D**

kW **1,3**

**2,4**

**X**

SCOP **5,7**

**4,8**

**X**

kWh/annum **319**

**697**

**X**



626/2011

JG79N387H01







| PRODUCT INFORMATION (*1)                                                                                        |                                                                                                                                                     |                                                                                                                                                                                                      |                 |                            |
|-----------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|----------------------------|
| ROOM AIR CONDITIONER                                                                                            | INDOOR MODEL<br>OUTDOOR MODEL                                                                                                                       | MSZ-AY25VGK / MSZ-AY25VGK<br>MUZ-AY25VG                                                                                                                                                              |                 |                            |
| Function (indicate if present)                                                                                  |                                                                                                                                                     | If function includes heating: Indicate the heating season the information relates to. Indicated values should relate to one heating season at a time. Include at least the heating season 'Average'. |                 |                            |
| cooling                                                                                                         | Y                                                                                                                                                   | Average (mandatory)                                                                                                                                                                                  | Y               |                            |
| heating                                                                                                         | Y                                                                                                                                                   | Warmer (if designated)                                                                                                                                                                               | Y               |                            |
|                                                                                                                 |                                                                                                                                                     | Colder (if designated)                                                                                                                                                                               | N               |                            |
| <b>Item</b>                                                                                                     | <b>symbol</b>                                                                                                                                       | <b>value</b>                                                                                                                                                                                         | <b>unit</b>     |                            |
| Design load                                                                                                     |                                                                                                                                                     |                                                                                                                                                                                                      |                 |                            |
| cooling                                                                                                         | P <sub>designc</sub>                                                                                                                                | 2.5                                                                                                                                                                                                  | kW              |                            |
| heating/Average                                                                                                 | P <sub>designh</sub>                                                                                                                                | 2.4                                                                                                                                                                                                  | kW              |                            |
| heating/Warmer                                                                                                  | P <sub>designh</sub>                                                                                                                                | 1.3                                                                                                                                                                                                  | kW              |                            |
| heating/Colder                                                                                                  | P <sub>designh</sub>                                                                                                                                | x                                                                                                                                                                                                    | kW              |                            |
| Declared capacity for cooling, at indoor temperature 27(19)°C and outdoor temperature T <sub>j</sub>            |                                                                                                                                                     | Declared energy efficiency ratio, at indoor temperature 27(19)°C and outdoor temperature T <sub>j</sub>                                                                                              |                 |                            |
| T <sub>j</sub> =35°C                                                                                            | P <sub>dc</sub>                                                                                                                                     | 2.5                                                                                                                                                                                                  | kW              |                            |
| T <sub>j</sub> =30°C                                                                                            | P <sub>dc</sub>                                                                                                                                     | 1.9                                                                                                                                                                                                  | kW              |                            |
| T <sub>j</sub> =25°C                                                                                            | P <sub>dc</sub>                                                                                                                                     | 1.2                                                                                                                                                                                                  | kW              |                            |
| T <sub>j</sub> =20°C                                                                                            | P <sub>dc</sub>                                                                                                                                     | 1.0                                                                                                                                                                                                  | kW              |                            |
| Declared capacity for heating/Average season, at indoor temperature 20°C and outdoor temperature T <sub>j</sub> |                                                                                                                                                     | Declared coefficient of performance/Average season, at indoor temperature 20°C and outdoor temperature T <sub>j</sub>                                                                                |                 |                            |
| T <sub>j</sub> =-7°C                                                                                            | P <sub>dh</sub>                                                                                                                                     | 2.2                                                                                                                                                                                                  | kW              |                            |
| T <sub>j</sub> =2°C                                                                                             | P <sub>dh</sub>                                                                                                                                     | 1.3                                                                                                                                                                                                  | kW              |                            |
| T <sub>j</sub> =7°C                                                                                             | P <sub>dh</sub>                                                                                                                                     | 0.9                                                                                                                                                                                                  | kW              |                            |
| T <sub>j</sub> =12°C                                                                                            | P <sub>dh</sub>                                                                                                                                     | 0.8                                                                                                                                                                                                  | kW              |                            |
| T <sub>j</sub> =bivalent temperature                                                                            | P <sub>dh</sub>                                                                                                                                     | 2.4                                                                                                                                                                                                  | kW              |                            |
| T <sub>j</sub> =operating limit                                                                                 | P <sub>dh</sub>                                                                                                                                     | 1.9                                                                                                                                                                                                  | kW              |                            |
| Declared capacity for heating/Warmer season, at indoor temperature 20°C and outdoor temperature T <sub>j</sub>  |                                                                                                                                                     | Declared coefficient of performance/Warmer season, at indoor temperature 20°C and outdoor temperature T <sub>j</sub>                                                                                 |                 |                            |
| T <sub>j</sub> =2°C                                                                                             | P <sub>dh</sub>                                                                                                                                     | 1.3                                                                                                                                                                                                  | kW              |                            |
| T <sub>j</sub> =7°C                                                                                             | P <sub>dh</sub>                                                                                                                                     | 0.9                                                                                                                                                                                                  | kW              |                            |
| T <sub>j</sub> =12°C                                                                                            | P <sub>dh</sub>                                                                                                                                     | 0.8                                                                                                                                                                                                  | kW              |                            |
| T <sub>j</sub> =bivalent temperature                                                                            | P <sub>dh</sub>                                                                                                                                     | 1.3                                                                                                                                                                                                  | kW              |                            |
| T <sub>j</sub> =operating limit                                                                                 | P <sub>dh</sub>                                                                                                                                     | 1.9                                                                                                                                                                                                  | kW              |                            |
| Declared capacity for heating/Colder season, at indoor temperature 20°C and outdoor temperature T <sub>j</sub>  |                                                                                                                                                     | Declared coefficient of performance/Colder season, at indoor temperature 20°C and outdoor temperature T <sub>j</sub>                                                                                 |                 |                            |
| T <sub>j</sub> =-7°C                                                                                            | P <sub>dh</sub>                                                                                                                                     | x                                                                                                                                                                                                    | kW              |                            |
| T <sub>j</sub> =2°C                                                                                             | P <sub>dh</sub>                                                                                                                                     | x                                                                                                                                                                                                    | kW              |                            |
| T <sub>j</sub> =7°C                                                                                             | P <sub>dh</sub>                                                                                                                                     | x                                                                                                                                                                                                    | kW              |                            |
| T <sub>j</sub> =12°C                                                                                            | P <sub>dh</sub>                                                                                                                                     | x                                                                                                                                                                                                    | kW              |                            |
| T <sub>j</sub> =bivalent temperature                                                                            | P <sub>dh</sub>                                                                                                                                     | x                                                                                                                                                                                                    | kW              |                            |
| T <sub>j</sub> =operating limit                                                                                 | P <sub>dh</sub>                                                                                                                                     | x                                                                                                                                                                                                    | kW              |                            |
| T <sub>j</sub> =-15°C                                                                                           | P <sub>dh</sub>                                                                                                                                     | x                                                                                                                                                                                                    | kW              |                            |
| Bivalent temperature                                                                                            |                                                                                                                                                     | Operating limit temperature                                                                                                                                                                          |                 |                            |
| heating/Average                                                                                                 | T <sub>biv</sub>                                                                                                                                    | -10                                                                                                                                                                                                  | °C              |                            |
| heating/Warmer                                                                                                  | T <sub>biv</sub>                                                                                                                                    | 2                                                                                                                                                                                                    | °C              |                            |
| heating/Colder                                                                                                  | T <sub>biv</sub>                                                                                                                                    | x                                                                                                                                                                                                    | °C              |                            |
| Cycling interval capacity                                                                                       |                                                                                                                                                     | Cycling interval efficiency                                                                                                                                                                          |                 |                            |
| for cooling                                                                                                     | P <sub>cycc</sub>                                                                                                                                   | x                                                                                                                                                                                                    | kW              |                            |
| for heating                                                                                                     | P <sub>cyh</sub>                                                                                                                                    | x                                                                                                                                                                                                    | kW              |                            |
| Degradation co-efficient cooling                                                                                | C <sub>dc</sub>                                                                                                                                     | 0.25                                                                                                                                                                                                 | -               |                            |
| Electric power input in power modes other than 'active mode'                                                    |                                                                                                                                                     | Annual electricity consumption                                                                                                                                                                       |                 |                            |
| off mode                                                                                                        | P <sub>OFF</sub>                                                                                                                                    | 1                                                                                                                                                                                                    | W               |                            |
| standby mode                                                                                                    | P <sub>SB</sub>                                                                                                                                     | 1                                                                                                                                                                                                    | W               |                            |
| thermostat - off mode                                                                                           | P <sub>TO</sub>                                                                                                                                     | 8                                                                                                                                                                                                    | W               |                            |
| crankcase heater mode                                                                                           | P <sub>CK</sub>                                                                                                                                     | 0                                                                                                                                                                                                    | W               |                            |
| Capacity control (indicate one of three options)                                                                |                                                                                                                                                     | Other items                                                                                                                                                                                          |                 |                            |
| fixed                                                                                                           | N                                                                                                                                                   | Sound power level (indoor/outdoor)                                                                                                                                                                   | L <sub>WA</sub> | 57/59 dB(A)                |
| staged                                                                                                          | N                                                                                                                                                   | Global warming potential                                                                                                                                                                             | GWP (*2)        | 675 kgCO <sub>2</sub> eq.  |
| variable                                                                                                        | Y                                                                                                                                                   | Rated air flow (indoor/outdoor)                                                                                                                                                                      | -               | 630/1932 m <sup>3</sup> /h |
| Contact details for obtaining more information                                                                  | MITSUBISHI ELECTRIC CORPORATION SHIZUOKA WORKS<br>3-18-1, Oshika, Suruga-ku, Shizuoka 422-8528, Japan<br>E-mail: melshierp@MitsubishiElectric.co.jp |                                                                                                                                                                                                      |                 |                            |

(\*1) This information is based on the "product information requirement" in COMMISSION REGULATION (EU) No. 206/2012.

(\*2) This GWP value is based on Regulation (EU) No. 517/2014 from IPCC 4th Assessment Report.

For Regulation (EU) No. 626/2011, which cites the IPCC Third Assessment Report, Climate Change 2001, the GWP is 550.

| TECHNICAL DOCUMENTATION <sup>(1)</sup>                                             |                                                                                                                                                                                                                                                                                                                                                                         |                                          |                                            |
|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|--------------------------------------------|
| ROOM AIR CONDITIONER                                                               | INDOOR MODEL<br>OUTDOOR MODEL                                                                                                                                                                                                                                                                                                                                           | MSZ-AY25VGKP / MSZ-AY25VGK<br>MUZ-AY25VG | 299H*798W*245D (mm)<br>550H*800W*285D (mm) |
| <b>Function</b>                                                                    |                                                                                                                                                                                                                                                                                                                                                                         |                                          |                                            |
| cooling                                                                            |                                                                                                                                                                                                                                                                                                                                                                         | Y                                        |                                            |
| heating                                                                            |                                                                                                                                                                                                                                                                                                                                                                         | Y                                        |                                            |
| <b>The heating season</b>                                                          |                                                                                                                                                                                                                                                                                                                                                                         |                                          |                                            |
| Average (mandatory)                                                                |                                                                                                                                                                                                                                                                                                                                                                         | Y                                        |                                            |
| Warmer (if designated)                                                             |                                                                                                                                                                                                                                                                                                                                                                         | Y                                        |                                            |
| Colder (if designated)                                                             |                                                                                                                                                                                                                                                                                                                                                                         | N                                        |                                            |
| <b>Capacity control</b>                                                            |                                                                                                                                                                                                                                                                                                                                                                         |                                          |                                            |
| fixed                                                                              |                                                                                                                                                                                                                                                                                                                                                                         | N                                        |                                            |
| staged                                                                             |                                                                                                                                                                                                                                                                                                                                                                         | N                                        |                                            |
| variable                                                                           |                                                                                                                                                                                                                                                                                                                                                                         | Y                                        |                                            |
| <b>Item</b>                                                                        | <b>symbol</b>                                                                                                                                                                                                                                                                                                                                                           | <b>value</b>                             | <b>unit</b>                                |
| <b>Seasonal efficiency <sup>(2)</sup></b>                                          |                                                                                                                                                                                                                                                                                                                                                                         |                                          |                                            |
| cooling                                                                            | SEER                                                                                                                                                                                                                                                                                                                                                                    | 8.7                                      | -                                          |
| heating/Average                                                                    | SCOP/A                                                                                                                                                                                                                                                                                                                                                                  | 4.8                                      | -                                          |
| heating/Warmer                                                                     | SCOP/W                                                                                                                                                                                                                                                                                                                                                                  | 5.7                                      | -                                          |
| heating/Colder                                                                     | SCOP/C                                                                                                                                                                                                                                                                                                                                                                  | x                                        | -                                          |
| <b>Energy efficiency class</b>                                                     |                                                                                                                                                                                                                                                                                                                                                                         |                                          |                                            |
| cooling                                                                            | SEER                                                                                                                                                                                                                                                                                                                                                                    | A+++                                     | -                                          |
| heating/Average                                                                    | SCOP/A                                                                                                                                                                                                                                                                                                                                                                  | A++                                      | -                                          |
| heating/Warmer                                                                     | SCOP/W                                                                                                                                                                                                                                                                                                                                                                  | A+++                                     | -                                          |
| heating/Colder                                                                     | SCOP/C                                                                                                                                                                                                                                                                                                                                                                  | x                                        | -                                          |
| <b>Other items</b>                                                                 |                                                                                                                                                                                                                                                                                                                                                                         |                                          |                                            |
| Sound power level (indoor/outdoor)                                                 | L <sub>WA</sub>                                                                                                                                                                                                                                                                                                                                                         | 57/59                                    | dB (A)                                     |
| Refrigerant                                                                        | -                                                                                                                                                                                                                                                                                                                                                                       | R32                                      | -                                          |
| Global warming potential                                                           | GWP <sup>(3)</sup>                                                                                                                                                                                                                                                                                                                                                      | 675                                      | kgCO <sub>2</sub> eq.                      |
| identification and<br>signature of the person<br>empowered to bind the<br>supplier | <div style="text-align: center;">  </div> <div>             Kenichi Saito<br/>             Department Manager,<br/>             Quality Assurance Department<br/>             Mitsubishi Electric Air Conditioning Systems Manufacturing Turkey Joint Stock Company           </div> |                                          |                                            |

(1) This information is based on COMMISSION DELEGATED REGULATION (EU) No. 626/2011.

(2) SEER/SCOP values are measured based on EN 14825:2016: Testing and rating at part load conditions and calculation of seasonal performance.

(3) This GWP value is based on Regulation (EU) No. 517/2014 from IPCC 4th Assessment Report.

For Regulation (EU) No. 626/2011, which cites the IPCC Third Assessment Report, Climate Change 2001, the GWP is 550.