






| PRODUCT INFORMATION (*1)   |   |  |                       |  |
|--|---|--|-----------------------|--|
| ROOM AIR CONDITIONER   | INDOOR MODEL<br>OUTDOOR MODEL   | MSZ-AP71VG / MSZ-AP71VGK<br>MUZ-AP71VG   |                       |  |
| 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  |                       |  |
| heating  |   | Y  |                       |  |
| Average (mandatory)  |   |  | Y                     |  |
| Warmer (if designated)   |   |  | Y                     |  |
| Colder (if designated)   |   |  | N                     |  |
| <b>Item</b>  | <b>symbol</b>   | <b>value</b>   | <b>unit</b>           |  |
| <b>Design load</b>   |   |  |                       |  |
| cooling  | Pdesignc  | 7.1  | kW                    |  |
| heating/Average  | Pdesignh  | 6.7  | kW                    |  |
| heating/Warmer   | Pdesignh  | 3.7  | kW                    |  |
| heating/Colder   | Pdesignh  | x  | kW                    |  |
| <b>Declared capacity for cooling, at indoor temperature 27(19)°C and outdoor temperature Tj</b>                  |   |  |                       |  |
| Tj=35°C  | Pdc   | 7.1  | kW                    |  |
| Tj=30°C  | Pdc   | 5.3  | kW                    |  |
| Tj=25°C  | Pdc   | 3.4  | kW                    |  |
| Tj=20°C  | Pdc   | 1.5  | kW                    |  |
| <b>Declared capacity for heating/Average season, at indoor temperature 20°C and outdoor temperature Tj</b>       |   |  |                       |  |
| Tj=-7°C  | Pdh   | 6.0  | kW                    |  |
| Tj=2°C   | Pdh   | 3.7  | kW                    |  |
| Tj=7°C   | Pdh   | 2.4  | kW                    |  |
| Tj=12°C  | Pdh   | 1.1  | kW                    |  |
| Tj=bivalent temperature  | Pdh   | 6.7  | kW                    |  |
| Tj=operating limit   | Pdh   | 5.4  | kW                    |  |
| <b>Declared capacity for heating/Warmer season, at indoor temperature 20°C and outdoor temperature Tj</b>        |   |  |                       |  |
| Tj=2°C   | Pdh   | 3.7  | kW                    |  |
| Tj=7°C   | Pdh   | 2.4  | kW                    |  |
| Tj=12°C  | Pdh   | 1.1  | kW                    |  |
| Tj=bivalent temperature  | Pdh   | 3.7  | kW                    |  |
| Tj=operating limit   | Pdh   | 5.4  | kW                    |  |
| <b>Declared capacity for heating/Colder season, at indoor temperature 20°C and outdoor temperature Tj</b>        |   |  |                       |  |
| Tj=-7°C  | Pdh   | x  | kW                    |  |
| Tj=2°C   | Pdh   | x  | kW                    |  |
| Tj=7°C   | Pdh   | x  | kW                    |  |
| Tj=12°C  | Pdh   | x  | kW                    |  |
| Tj=bivalent temperature  | Pdh   | x  | kW                    |  |
| Tj=operating limit   | Pdh   | x  | kW                    |  |
| Tj=-15°C   | Pdh   | x  | kW                    |  |
| <b>Bivalent temperature</b>  |   |  |                       |  |
| heating/Average  | Tbiv  | -10  | °C                    |  |
| heating/Warmer   | Tbiv  | 2  | °C                    |  |
| heating/Colder   | Tbiv  | x  | °C                    |  |
| <b>Cycling interval capacity</b>   |   |  |                       |  |
| for cooling  | Pcycc   | x  | kW                    |  |
| for heating  | Pcyh  | x  | kW                    |  |
| Degradation co-efficient cooling   | Cdc   | 0.25   | -                     |  |
| <b>Electric power input in power modes other than 'active mode'</b>  |   |  |                       |  |
| off mode   | P <sub>OFF</sub>  | 1.0  | W                     |  |
| standby mode   | P <sub>SB</sub>   | 1.0  | W                     |  |
| thermostat - off mode  | P <sub>TO</sub>   | 18.0   | W                     |  |
| crankcase heater mode  | P <sub>CK</sub>   | 0.0  | W                     |  |
| <b>Capacity control (indicate one of three options)</b>  |   |  |                       |  |
| fixed  |   | N  |                       |  |
| staged   |   | N  |                       |  |
| variable   |   | Y  |                       |  |
| <b>Seasonal efficiency</b>   |   |  |                       |  |
| cooling  | SEER  | 7.2  | -                     |  |
| heating/Average  | SCOP/A  | 4.4  | -                     |  |
| heating/Warmer   | SCOP/W  | 5.8  | -                     |  |
| heating/Colder   | SCOP/C  | x  | -                     |  |
| <b>Declared energy efficiency ratio, at indoor temperature 27(19) °C and outdoor temperature Tj</b>              |   |  |                       |  |
| Tj=35°C  | EERd  | 3.6  | -                     |  |
| Tj=30°C  | EERd  | 5.2  | -                     |  |
| Tj=25°C  | EERd  | 7.8  | -                     |  |
| Tj=20°C  | EERd  | 14.1   | -                     |  |
| <b>Declared coefficient of performance/Average season, at indoor temperature 20°C and outdoor temperature Tj</b> |   |  |                       |  |
| Tj=-7°C  | COPd  | 2.9  | -                     |  |
| Tj=2°C   | COPd  | 4.2  | -                     |  |
| Tj=7°C   | COPd  | 5.9  | -                     |  |
| Tj=12°C  | COPd  | 6.2  | -                     |  |
| Tj=bivalent temperature  | COPd  | 2.6  | -                     |  |
| Tj=operating limit   | COPd  | 1.9  | -                     |  |
| <b>Declared coefficient of performance/Warmer season, at indoor temperature 20°C and outdoor temperature Tj</b>  |   |  |                       |  |
| Tj=2°C   | COPd  | 4.2  | -                     |  |
| Tj=7°C   | COPd  | 5.9  | -                     |  |
| Tj=12°C  | COPd  | 6.2  | -                     |  |
| Tj=bivalent temperature  | COPd  | 4.2  | -                     |  |
| Tj=operating limit   | COPd  | 1.9  | -                     |  |
| <b>Declared coefficient of performance/Colder season, at indoor temperature 20°C and outdoor temperature Tj</b>  |   |  |                       |  |
| Tj=-7°C  | COPd  | x  | -                     |  |
| Tj=2°C   | COPd  | x  | -                     |  |
| Tj=7°C   | COPd  | x  | -                     |  |
| Tj=12°C  | COPd  | x  | -                     |  |
| Tj=bivalent temperature  | COPd  | x  | -                     |  |
| Tj=operating limit   | COPd  | x  | -                     |  |
| Tj=-15°C   | COPd  | x  | -                     |  |
| <b>Operating limit temperature</b>   |   |  |                       |  |
| heating/Average  | Tol   | -15  | °C                    |  |
| heating/Warmer   | Tol   | -15  | °C                    |  |
| heating/Colder   | Tol   | x  | °C                    |  |
| <b>Cycling interval efficiency</b>   |   |  |                       |  |
| for cooling  | EERcyc  | x  | -                     |  |
| for heating  | COPcyc  | x  | -                     |  |
| Degradation co-efficient heating   | Cdh   | 0.25   | -                     |  |
| <b>Annual electricity consumption</b>  |   |  |                       |  |
| cooling  | Q <sub>CE</sub>   | 345  | kWh/a                 |  |
| heating/Average  | Q <sub>HE</sub>   | 2132   | kWh/a                 |  |
| heating/Warmer   | Q <sub>HE</sub>   | 891  | kWh/a                 |  |
| heating/Colder   | Q <sub>HE</sub>   | x  | kWh/a                 |  |
| <b>Other items</b>   |   |  |                       |  |
| Sound power level (indoor/outdoor)   | L <sub>WA</sub>   | 65/69  | dB (A)                |  |
| Global warming potential   | GWP (*2)  | 675  | kgCO <sub>2</sub> eq. |  |
| Rated air flow (indoor/outdoor)  | -   | 1116/3246  | 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. 626/2001, which cites the IPCC Third Assessment Report, Climate Change 2001, the GWP is 550.

| TECHNICAL DOCUMENTATION <sup>(1)</sup>                                    |  |                          |                       |
|---|--|--------------------------|-----------------------|
| ROOM AIR CONDITIONER  | INDOOR MODEL   | MSZ-AP71VG / MSZ-AP71VGK | 325H*1100W*257D (mm)  |
|   | OUTDOOR MODEL  | MUZ-AP71VG               | 880H*840W*330D (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   | 7.2                      | -                     |
| heating/Average   | SCOP/A   | 4.4                      | -                     |
| heating/Warmer  | SCOP/W   | 5.8                      | -                     |
| 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>  | 65/69                    | dB (A)                |
| Refrigerant   | -  | R32                      | -                     |
| Global warming potential  | GWP <sup>(3)</sup>   | 675                      | kgCO <sub>2</sub> eq. |
| identification and signature of the person empowered to bind the supplier | <br>Tadashi Saito<br>Department Manager,<br>Quality Assurance Department<br>MITSUBISHI ELECTRIC CONSUMER PRODUCTS (THAILAND) CO., LTD |                          |                       |

(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. 626/2001, which cites the IPCC Third Assessment Report, Climate Change 2001, the GWP is 550.