

PRODUCT PERFORMANCE RATING

Document ID 1639934448-4e-92673588

Issued on: 19 December 2021 - *Déjà livré le : 19 décembre 2021*

This product is certified by Eurovent Certita Certification as mentioned on:
Ce produit est certifié par Eurovent Certita Certification comme mentionné sur :

Certificate N° 94.01.069

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Certification programmes / *Programmes de certification*

Product type / *Type de produit*

Model name / *Nom du modèle*

Range / *Gamme*

Participant / *Titulaire*

Brand / *Marque*

Air conditioners

Air to air, split, reversible (≤ 12 kW)

MUZ-LN50VGHZ/MSZ-LN50VG2

M series

MITSUBISHI ELECTRIC air conditioning systems europe ltd

MITSUBISHI ELECTRIC

This performance certificate is delivered for the following project

| Project Name | Project compagny | Project Reference | Project location |
|----------------------|--------------------------|--------------------------|-------------------------------|
| <i>Nom du projet</i> | <i>Nom de la société</i> | <i>Project Reference</i> | <i>Localisation du projet</i> |
| Lampotilamestarit Oy | Lampotilamestarit Oy | Lampotilamestarit Oy | Finland |

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| FEATURE | VALUE | UNIT |
|--|-------|-----------|
| Seasonal Efficiency In Cooling | | |
| Pdesignc (Design Load Cooling) | 5 | kW |
| SEER (Seasonal Energy Efficiency Ratio) | 7.6 | |
| Qce (Annual electricity consumption for cooling) | 230 | kWh/annum |
| SEER Class (Seasonal Energy Efficiency Ratio Class) | A++ | |
| Heating Average Climate | | |
| Pdesignh (Design load heating) | 6 | kW |
| SCOP (Reference SCOP) | 4.6 | |
| SCOP Class (Seasonal Coefficient Of Performance Class) | A++ | |
| Qhe (Annual electricity consumption for heating) | 1826 | kWh/annum |
| Acoustic | | |
| LW0 env (A-weighted sound level outdoor near the envelope for non ducted units) | 64 | dB(A) |
| LW1 env (A-weighted sound power level indoor unit 1 (non ducted)) | 60 | dB(A) |
| Standard Cooling/Cooling PL Cond A | | |
| Pc (Total Cooling Capacity) | 5 | kW |
| Pec (Effective Power Input for Cooling (for chilled water cooled Close Control units only) | 1.38 | kW |
| EER (Energy Efficiency Ratio) | 3.62 | |
| Cooling PL CondB | | |
| Pc @ 30°C (Declared Cooling Capacity @ 30°C) | 3.7 | kW |
| EER @ 30°C (Declared Energy Efficiency @ 30°C) | 5.7 | |
| Cooling PL CondC | | |
| Pc @ 25°C (Declared Cooling Capacity @ 25°C) | 2.4 | kW |
| EER @ 25°C (Declared Energy Efficiency @ 25°C) | 8.9 | |
| Cooling PL CondD | | |
| Pc @ 20°C (Declared Cooling Capacity @ 20°C) | 2.1 | kW |
| EER @ 20°C (Declared Energy Efficiency @ 20°C) | 14.5 | |
| Standard Heating | | |
| Ph (Heating Capacity) | 6 | kW |
| Peh (Net Electric Power Consumption for Heating Only application) | 1.48 | kW |
| COP (Coefficient Of Performance) | 4.05 | |

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| Heating PL CondA | | |
|---|--------------|----|
| Ph @ -7°C (Declared Heating Capacity @ -7°C) | 5.4 | kW |
| COP @ -7°C (Declared Coefficient Of Performances @ -7°C) | 2.8 | |
| Heating PL CondB | | |
| Ph @ +2°C (Declared Heating Capacity @ +2°C) | 3.3 | kW |
| COP @ 2°C (Declared Coefficient Of Performances @ 2°C) | 4.6 | |
| Heating PL CondC | | |
| Ph @ +7°C (Declared Heating Capacity @ +7°C) | 2 | kW |
| COP @ +7°C (Declared Coefficient Of Performances @ +7°C) | 6 | |
| Heating PL CondD | | |
| Ph @ +12°C (Declared Heating Capacity @ +12°C) | 1.9 | kW |
| COP @ +12°C (Declared Coefficient Of Performances @ +12°C) | 7.2 | |
| Bivalent Point | | |
| Tbiv (Bivalent Temperature) | -10 | °C |
| COP @ Tbiv (Declared coefficient of performances at bivalent temperature condition) | 2.6 | |
| Ph TBiv (Heating capacity at bivalent temperature) | 6 | kW |
| TOL Runing Test | | |
| TOL (Operating LimitTemperature) | -25 | °C |
| Ph E (Declared Heating Capacity @ TOL) | 4.7 | kW |
| COP E (Declared Coefficient Of Performances @ TOL) | 1.8 | |
| Poffc | | |
| Poff (Power consumption in off mode) | 1 | W |
| Psb | | |
| Psb (Power consumption in standby mode cooling (Paux, cooling)) | 1 | W |
| Ptoc | | |
| Pto (Power consumption in thermostat off mode) | 12 | W |
| General | | |
| Main Power Supply (Voltage (V) - Phase - Frequency (Hz)) | 230-1-50 | |
| Refrigerant | R32 | |
| Refr. Line (Refrigerant Line. If possible) | 5m | m |
| Mounting (Mounting Type) | Wall mounted | |