

PRODUCT PERFORMANCE RATING

Document ID 1718789904-81-577150c6

Issued on: 19 June 2024 - Délivré le : 19 juin 2024

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

Air conditioners

Product type / Type de produit

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

Model name / Nom du modèle

SUZ-M50VA/SEZ-M50DA2

Range / Gamme

S series

Participant / Titulaire

MITSUBISHI ELECTRIC air conditioning systems europe ltd

Brand / Marque

MITSUBISHI ELECTRIC

This performance certificate is delivered for the following project

| Project Name | Project company | Project Reference | Project location |
|----------------------|--------------------------|--------------------------|-------------------------------|
| <i>Nom du projet</i> | <i>Nom de la société</i> | <i>Project Reference</i> | <i>Localisation du projet</i> |
| Mitsubishi Electric | Mitsubishi Electric | Mitsubishi Electric | France |

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| FEATURE | VALUE | UNIT |
|---|-------|-----------|
| Seasonal Efficiency In Cooling | | |
| Pdesignc (Design Load in cooling mode) | 5 | kW |
| SEER (Seasonal Energy Efficiency Ratio) | 6 | |
| Qce (Annual electricity consumption in cooling mode) | 290 | kWh/annum |
| SEER Class (Seasonal Energy Efficiency Ratio Class Average Climate) | A+ | |
| Heating Average Climate | | |
| Pdesignh (Design Load in heating mode Average Climate) | 4.3 | kW |
| SCOP (Seasonal Coefficient of Performance Average Climate) | 4 | |
| SCOP Class (Seasonal Coefficient of Performance Class Average Climate) | A+ | |
| Qhe (Annual electricity consumption in heating mode) | 1501 | kWh/annum |
| Acoustic | | |
| LwO env (EN 12102-1:2022 A-weighted sound power level outdoor unit (non ducted)) | 64 | dB(A) |
| LwI1 duct (EN 12102-1:2022 A-weighted sound power level indoor unit 1 (ducted)) | 57 | dB(A) |
| Standard Cooling/Cooling PL Cond A | | |
| Pc (EN 14511:2022 Total Cooling Capacity at standard conditions / Part Load condition A @ 35°C) | 5 | kW |
| Pec (Electric Power Input at standard conditions / Part Load condition A @ 35°C) | 1.55 | kW |
| EER (EN 14511:2022 Energy Efficiency Ratio at standard conditions / Part Load condition A @ 35°C) | 3.23 | |
| Cooling PL CondB | | |
| Pc PL CondB (EN 14825:2022 Total Cooling Capacity Part Load condition B @ 30°C) | 3.7 | kW |
| EER PL CondB (EN 14825:2022 Energy Efficiency Ratio Part Load conditions B @ 30°C) | 5.3 | |
| Cooling PL CondC | | |
| Pc PL CondC (EN 14825:2022 Total Cooling Capacity Part Load condition C @ 25°C) | 2.4 | kW |
| EER PL CondC (EN 14825:2022 Energy Efficiency Ratio Part Load conditions C @ 25°C) | 7.2 | |
| Cooling PL CondD | | |
| Pc PL CondD (EN 14825:2022 Total Cooling Capacity Part Load condition D @ 20°C) | 1.6 | kW |
| EER PL CondD (EN 14825:2022 Energy Efficiency Ratio Part Load conditions D @ 20°C) | 9.7 | |
| Standard Heating | | |
| Ph (EN 14511:2022 Total heating capacity at standard conditions @ +7°C Average Climate) | 6 | kW |
| Peh (Electric Power Input at standard conditions @ +7°C Average Climate) | 1.62 | kW |
| COP (EN 14511:2022 Coefficient of Performance at standard conditions @ -10°C Average Climate) | 3.71 | |



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| Heating PL CondA | | |
|--|------|----|
| Ph PL CondA (EN 14825:2022 Total heating capacity Part Load condition A @ -7°C Average Climate) | 3.8 | kW |
| COP PL CondA (EN 14825:2022 Coefficient of Performances Part Load condition A @ -7°C Average Climate) | 2.8 | |
| Heating PL CondB | | |
| Ph PL CondB (EN 14825:2022 Total heating capacity Part Load condition B @ +2°C Average Climate) | 2.35 | kW |
| COP PL CondB (EN 14825:2022 Coefficient of Performances Part Load condition B @ +2°C Average Climate) | 4.1 | |
| Heating PL CondC | | |
| Ph PL CondC (EN 14825:2022 Total heating capacity Part Load condition C @ +7°C Average Climate) | 1.5 | kW |
| COP PL CondC (EN 14825:2022 Coefficient of Performances Part Load condition C @ +7°C Average Climate) | 4.7 | |
| Heating PL CondD | | |
| Ph PL CondD (EN 14825:2022 Total heating capacity Part Load condition D @ +12°C Average Climate) | 1.5 | kW |
| COP PL CondD (EN 14825:2022 Coefficient of Performances Part Load condition D @ +12°C Average Climate) | 5.8 | |
| Bivalent Point | | |
| Tbiv (Bivalent Temperature) | -7 | °C |
| Ph PL CondF Tbiv (EN 14825:2022 Total heating capacity Part Load condition F @ Tbiv Average Climate) | 3.8 | kW |
| COP PL CondF Tbiv (EN 14825:2022 Coefficient of Performances Part Load condition F @ Tbiv Average Climate) | 2.8 | |
| TOL Runing Test | | |
| TOL (Operating LimitTemperature) | -10 | °C |
| Ph PL Conde TOL (EN 14825:2022 Total heating capacity Part Load condition E @ TOL Average Climate) | 3.8 | kW |
| COP PL Conde TOL (EN 14825:2022 Coefficient of Performances Part Load condition E @ TOL Average Climate) | 2.6 | |
| Poffc | | |
| Poffc (Power consumption in off mode in cooling mode) | 8 | W |
| Psbcc | | |
| Psbcc (Power consumption in standby mode in cooling mode) | 8 | W |
| Ptoc | | |
| Ptoc (Power consumption in thermostat off mode in cooling mode) | 7 | W |
| Poffh | | |
| Poffh (Power consumption in off mode in heating mode) | 8 | W |
| Ptoh | | |
| Ptoh (Power consumption in thermostat off mode in heating mode) | 16 | W |
| General | | |



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| FEATURE | VALUE | UNIT |
|--|----------|------|
| General | | |
| Corresponding Pipe Length (<i>Corresponding Pipe Length of the factory charged refrigerant</i>) | 7 | m |
| Factory Refrigerant Charge (<i>Factory refrigerant charge</i>) | 1.2 | kg |
| Refrigerant | R32 | |
| Refr. Line (<i>Refrigerant Line. If possible</i>) | 5m | m |
| Main Power Supply (<i>Voltage (V) - Phase - Frequency (Hz)</i>) | 230-1-50 | |
| Mounting (<i>Mounting Type</i>) | Ducted | |
| Inverter (<i>Inverter (True/False)</i>) | true | |
| Eligible CEE | | |
| Eligible CEE (<i>this item provide information if the unit is eligible to the certificat d'economie d'energie</i>) | true | |

Air Conditioners / Climatiseurs
Comfort Air Conditioners below 12kW/ Comfort Air Conditioners below 12kW/
/ Climatiseurs de moins de 12kW

Granted on January 1, 1994 - Date 1ère admission 1 janvier 1994

This document is valid at the date of issue - Check the current validity on:
Document valable à la date d'émission - Vérifier la validité en cours sur :
www.eurovent-certification.com

Participant/Titulaire

MITSUBISHI ELECTRIC air conditioning systems europe ltd
Nettlehill Road - Houston Industrial Estate
EH54 5EQ Livingston, United Kingdom

This product performance certificate is issued by Eurovent Certita Certification according to the certification rules:

ECP AC - « Air Conditioners » in force at established date.

Pursuant to the decision notified by Eurovent Certita Certification, the right to use the mark ECP shall be granted to the beneficiary company for all products inside the defined scope according to "certify-all" principle and in the conditions defined by the certification program mentioned.

Unless withdrawn or suspended, this certificate remains valid as long as the requirements for the certification program framework are met. The validity of the certificate is to be verified on www.eurovent-certification.com

THIS CERTIFICATE HAS BEEN ISSUED ON 30/05/2024
THIS CERTIFICATE IS VALID UNTIL 31/07/2024

Ce certificat de performance produit est délivré par Eurovent Certita Certification dans les conditions fixées par le référentiel :

ECP AC - « Climatiseurs » en vigueur à date d'édition.

En vertu de la décision notifiée par Eurovent Certita Certification, le droit d'usage de la marque ECP, est accordé à la société qui en est bénéficiaire pour les tous les produits entrant dans le champ d'application défini selon le principe "certify-all" et dans les conditions définies par le programme de certification mentionné.

Sauf retrait ou suspension, ce certificat demeure valide tant que les conditions du référentiel du programme de certification sont respectées. La validité du certificat est à vérifier sur le site Internet www.eurovent-certification.com

CE CERTIFICAT A ÉTÉ EMIS LE 30/05/2024
CE CERTIFICAT EST VALIDE JUSQU'AU 31/07/2024

Paris, 30 mai 2024

MANAGING BOARD MEMBER / MEMBRE DIRECTOIRE



Organisme accrédité n° 5-0517 Certification Produits et Services selon la norme NF EN ISO/CEI 17065:2012
Portée disponible sur www.cofrac.fr

Accreditation #5-0517 Products and Services Certification according to NF EN ISO/CEI 17065:2012 -
Scope available on www.cofrac.fr

COFRAC est signataire des accords MLA d'EA,
COFRAC is signatory of EA MLA,
list of EA members is available on
www.european-accreditation.org/ea-members



Appendix / Annexe

Granted on January 1, 1994 - *Date 1ère admission 1 janvier 1994*

This document is valid at the date of issue - Check the current validity on:
Document valable à la date d'émission - Vérifier la validité en cours sur :
www.eurovent-certification.com

List of certified products and characteristics is displayed on:
La liste des références et caractéristiques certifiées est disponible sur le site :
www.eurovent-certification.com

This product performance certificate is valid for the following trade names:
Ce certificat de performance produit est valide pour les marques commerciales suivantes:
[Trade Name / Marque Commerciale](#)

MITSUBISHI ELECTRIC

This product performance certificate is valid for the following manufacturing places:
Ce certificat de performance produit est valide pour les sites de production suivants:
[Manufacturing Place / Site de Production](#)

Not applicable for this certification programme / Non applicable pour ce programme de certification

This product performance certificate is valid for the following software:
Ce certificat de performance produit est valide pour les logiciels de sélection suivants:
[Software / Logiciel de sélection](#)

Not applicable for this certification programme / Non applicable pour ce programme de certification