

# PRODUCT PERFORMANCE RATING

Document ID 1719495080-73-4ce59b59

Issued on: 27 June 2024 - Délivré le : 27 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° 07.02.332**

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Certification programmes / Programmes de certification

Liquid Chilling Packages and Hydronic Heat Pumps (Chillers & Heat pumps)

Product type / Type de produit

Comfort chiller, air-cooled, split, reversible

Model name / Nom du modèle

MHAITI 106 + IUB 06

Range / Gamme

ELECTA ECO

Participant / Titulaire

RHOSS S.p.A.

Brand / Marque

RHOSS

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| FEATURE                                                           | VALUE | UNIT  |
|-------------------------------------------------------------------|-------|-------|
| <b>Acoustics</b>                                                  |       |       |
| LWO (A-weighted sound power level of the unit)                    | 67    | dB(A) |
| <b>A35/W12-7</b>                                                  |       |       |
| Pc (Cooling capacity)                                             | 4.1   | kW    |
| Pec (Electric power input of the unit)                            | 1.28  | kW    |
| EER (Energy Efficiency Ratio)                                     | 3.2   |       |
| Apc Indoor (Indoor side available pressure of the unit with pump) | 74    | kPa   |
| <b>SEER AC</b>                                                    |       |       |
| SEER (Seasonal Energy Efficiency Ratio)                           | 4.12  |       |
| ηSC (Seasonal space cooling energy efficiency)                    | 162   | %     |
| <b>A7/W40-45</b>                                                  |       |       |
| Peh (Electric power input of the unit)                            | 1.51  | kW    |
| Aph Indoor (Indoor side available pressure of the unit with pump) | 67    | kPa   |
| Ph (Heating capacity)                                             | 5.9   | kW    |
| COP (Coefficient of Performance)                                  | 3.91  |       |
| <b>A35/W23-18</b>                                                 |       |       |
| Pc (Cooling capacity)                                             | 5.8   | kW    |
| Pec (Electric power input of the unit)                            | 1.32  | kW    |
| EER (Energy Efficiency Ratio)                                     | 4.4   |       |
| Apc Indoor (Indoor side available pressure of the unit with pump) | 67    | kPa   |
| <b>A7/W30-35</b>                                                  |       |       |
| Ph (Heating capacity)                                             | 6     | kW    |
| Peh (Electric power input of the unit)                            | 1.2   | kW    |
| COP (Coefficient of Performance)                                  | 5     |       |
| Aph Indoor (Indoor side available pressure of the unit with pump) | 66    | kPa   |
| <b>A7/W47-55</b>                                                  |       |       |
| Ph (Heating capacity)                                             | 5.4   | kW    |
| Peh (Electric power input of the unit)                            | 2.16  | kW    |
| COP (Coefficient of Performance)                                  | 2.5   |       |
| Aph Indoor (Indoor side available pressure of the unit with pump) | 19.24 | kPa   |



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| P <sub>sb</sub> c                                                                        |                |       |
|------------------------------------------------------------------------------------------|----------------|-------|
| P <sub>sb</sub> c (Standby mode power input in cooling)                                  | 25             | W     |
| P <sub>sb</sub> h                                                                        |                |       |
| P <sub>sb</sub> h (Standby mode power input in heating)                                  | 25             | W     |
| P <sub>off</sub> c                                                                       |                |       |
| P <sub>off</sub> c (Off mode power input in cooling)                                     | 25             | W     |
| P <sub>off</sub> h                                                                       |                |       |
| P <sub>off</sub> h (Off mode power input in heating)                                     | 25             | W     |
| P <sub>to</sub> c                                                                        |                |       |
| P <sub>to</sub> c (Thermostat-off mode power input in cooling)                           | 25             | W     |
| P <sub>to</sub> h                                                                        |                |       |
| P <sub>to</sub> h (Thermostat-off mode power input in heating)                           | 25             | W     |
| P <sub>ck</sub> c                                                                        |                |       |
| P <sub>ck</sub> c (Crankcase heater mode power input in cooling)                         | 25             | W     |
| P <sub>ck</sub> h                                                                        |                |       |
| P <sub>ck</sub> h (Crankcase heater mode power input in heating)                         | 25             | W     |
| SCOP Average W55                                                                         |                |       |
| P <sub>design</sub> h (Design heating load)                                              | 5              | kW    |
| SCOP (Seasonal Coefficient of Performance)                                               | 3.25           |       |
| η <sub>sh</sub> (Seasonal space heating energy efficiency)                               | 127            | %     |
| Sound Average W55                                                                        |                |       |
| L <sub>wo</sub> (A-weighted sound power level of the unit)                               | 62             | dB(A) |
| General                                                                                  |                |       |
| Control of Pump Speed (Presence and control type of the pump)                            | Variable       |       |
| Type of Water Regulation (Fixed or Variable Water Flow / Fixed or Variable Outlet Temp.) | VW/VO          |       |
| Refrigerant                                                                              | R32            |       |
| Outdoor Heat Exc. Type                                                                   | Finned Tube    |       |
| Outdoor Heat Exc. Dimensions (WxLxH)                                                     | 38x836x660     |       |
| Indoor Heat Exc. Type                                                                    | Plate          |       |
| Indoor Heat Exc. Dimensions (WxLxH)                                                      | 121x332.5x66.2 |       |
| Expansion Valve Type                                                                     | Electronic     |       |

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| FEATURE                                                              | VALUE    | UNIT |
|----------------------------------------------------------------------|----------|------|
| General                                                              |          |      |
| Main Power Supply (Voltage (V) - Phase - Frequency (Hz))             | 230-1-50 |      |
| Compressor Details                                                   |          |      |
| Inverter (Inverter (True/False))                                     | true     |      |
| Number (Number of compressors)                                       | 1        |      |
| Unit Capacity Control (Capacity control type of the unit (EN 14825)) | Variable |      |
| Motor Type (Motor type of the compressor(s))                         | DC       |      |
| Type (Type of the compressor(s))                                     | Rotary   |      |

**Liquid Chilling Packages and Hydronic Heat Pumps /  
Groupe de production d'eau glacée et pompes à chaleur**

Granted on February 8, 2007 - Date 1ère admission 8 février 2007

This document is valid at the date of issue - Check the current validity on:  
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[www.eurovent-certification.com](http://www.eurovent-certification.com)

**Participant/Titulaire**

**RHOSS S.p.A.**  
Via Oltre Ferrovia 32,  
33033 Codroipo, Italy

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

**ECP LCP-HP - « Liquid Chilling Packages and Hydronic Heat Pumps » 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](http://www.eurovent-certification.com)

THIS CERTIFICATE HAS BEEN ISSUED ON 26/01/2024  
THIS CERTIFICATE IS VALID UNTIL 31/01/2025

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

***ECP LCP-HP – « Groupe de production d'eau glacée et pompes à chaleur » 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](http://www.eurovent-certification.com)*

*CE CERTIFICAT A ÉTÉ EMIS LE 26/01/2024  
CE CERTIFICAT EST VALIDE JUSQU'AU 31/01/2025*



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

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

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Paris, 26 janvier 2024

MANAGING BOARD MEMBER / MEMBRE DIRECTOIRE



## Appendix / Annexe

Granted on February 8, 2007 - Date 1ère admission 8 février 2007

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[www.eurovent-certification.com](http://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](http://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](#)

ARCELIK  
HITECSA  
RHOSS  
UNTES-RHOSS

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](#)

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