

PRODUCT PERFORMANCE RATING

Document ID 1742828001-85-d1a8bf7b

Issued on: 24 March 2025 - Délivré le : 24 mars 2025

This product is certified by Eurovent Certita Certification as mentioned on:

Ce produit est certifié par Eurovent Certita Certification comme mentionné sur :



Certificate N° 16.11.006

This document is valid at the date of issue - Check the current validity on www.eurovent-certification.com

Ce document est valide à la date d'édition - Vérifiez la date de validité sur www.eurovent-certification.com

Certification programmes / Programmes de certification

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

Product type / Type de produit

Heat pump, air-to-water, packaged, reversible

Model name / Nom du modèle

HM123MRS UB40

Range / Gamme

THERMA V R32 Monobloc UN36B

Participant / Titulaire

LG ELECTRONICS Inc.

Brand / Marque

LG

This performance certificate is delivered for the following project

Project company	Project Reference	Project location
<i>Nom de la société</i>	<i>Project Reference</i>	<i>Localisation du projet</i>
LG	Incentive	Czechia

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FEATURE	VALUE	UNIT
Acoustics		
Lw	60	dB(A)
A35/W12-7		
Pc (Cooling capacity)	12	kW
EER (Energy Efficiency Ratio)	3.2	
Apc Indoor (Indoor side available pressure of the unit with pump)	10	kPa
SEER AC		
SEER (Seasonal Energy Efficiency Ratio)	4.6	
Water Regulation (Fixed or Variable Water Flow / Fixed or Variable Outlet Temp.)	FW/VO	
A7/W40-45		
Ph (Heating capacity)	12	kW
COP (Coefficient of Performance)	3.5	
Aph Indoor (Indoor side available pressure of the unit with pump)	10	kPa
A35/W23-18		
Pc (Cooling capacity)	12	kW
EER (Energy Efficiency Ratio)	4.8	
Apc Indoor (Indoor side available pressure of the unit with pump)	10	kPa
A7/W30-35		
Ph (Heating capacity)	12	kW
COP (Coefficient of Performance)	4.9	
Aph Indoor (Indoor side available pressure of the unit with pump)	10	kPa
Am7/W30-35		
Ph (Heating capacity)	12	kW
COP (Coefficient of Performance)	2.5	
Aph Indoor (Indoor side available pressure of the unit with pump)	10	kPa
Am7/W40-45		
Ph (Heating capacity)	12	kW
COP (Coefficient of Performance)	2.1	
Aph Indoor (Indoor side available pressure of the unit with pump)	10	kPa
A7/W47-55		

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FEATURE	VALUE	UNIT
A7/W47-55		
Ph (Heating capacity)	11	kW
COP (Coefficient of Performance)	2.9	
Aph Indoor (Indoor side available pressure of the unit with pump)	10	kPa
Am7/W47-55		
Ph (Heating capacity)	12	kW
COP (Coefficient of Performance)	1.9	
Aph Indoor (Indoor side available pressure of the unit with pump)	10	kPa
Psb		
Psb (Standby mode power input in cooling)	10	W
Psbh		
Psbh (Standby mode power input in heating)	10	W
SCOP Average W35		
Pdesignh (Design heating load)	11.5	kW
SCOP (Seasonal Coefficient of Performance)	4.67	
η_{sh} (Seasonal space heating energy efficiency)	184	%
Water Regulation (Fixed or Variable Water Flow / Fixed or Variable Outlet Temperature)	FW/VO	
Sound Average W35		
Lw (A-weighted sound power level (SWL) of the unit as per Annex A of EN 12102-1:2022. If Duct ESP declared, refers to the SWL at duct discharge.)	68	dB(A)
SCOP Average W55		
Pdesignh (Design heating load)	11.5	kW
SCOP (Seasonal Coefficient of Performance)	3.47	
η_{sh} (Seasonal space heating energy efficiency)	136	%
Water Regulation (Fixed or Variable Water Flow / Fixed or Variable Outlet Temperature)	FW/VO	
Sound Average W55		
Lw (A-weighted sound power level (SWL) of the unit as per Annex A of EN 12102-1:2022. If Duct ESP declared, refers to the SWL at duct discharge.)	60	dB(A)
General		
Refrigerant	R32	

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FEATURE	VALUE	UNIT
General		
Main Power Supply (Voltage (V) - Phase - Frequency (Hz))	400-3-50	
Control of Pump Speed (Indoor side for air-to-water units, Indoor-Outdoor side for water-to-water units)	Fixed	
Outdoor Heat Exc. Type	Finned Tube	
Indoor Heat Exc. Type	Plate	
Expansion Valve Type	Electronic	
Compressor Details		
Unit Capacity Control (Capacity control type of the unit (EN 14825))	Variable	
Type (Type of the compressor(s))	Scroll	
Inverter (Inverter (True/False))	true	
Number (Number of compressors)	1	

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

Granted on November 17, 2016 - Date 1ère admission 17 novembre 2016

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

LG ELECTRONICS Inc.
76, SeongSan Dong - Changwon City
641-713 Gyeong Nam , Korea

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

THIS CERTIFICATE HAS BEEN ISSUED ON 17/03/2025
THIS CERTIFICATE IS VALID UNTIL 30/11/2025

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

CE CERTIFICAT A ÉTÉ EMIS LE 17/03/2025
CE CERTIFICAT EST VALIDE JUSQU'AU 30/11/2025

Paris, 17 mars 2025

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 November 17, 2016 - Date 1ère admission 17 novembre 2016

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

LG

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

Changwon-si, Korea
Tianjin, China

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

LATS Chiller ISC 1.1.0
LATS Therma V 2.1.6.4
SELMAC 0.0.27 20210720-1