

PRODUCT PERFORMANCE RATING

Document ID 1740487345-6c-4afbe98a

Issued on: 25 February 2025 - Délivré le : 25 février 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° 12.09.003

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

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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

MHC-V30WD2RN7

Range / Gamme

MHC Series

Participant / Titulaire

GD MIDEA Heating & Ventilating Equipment Co. Ltd

Brand / Marque

MIDEA

This performance certificate is delivered for the following project

Project Name	Project company	Project location
<i>Nom du projet</i>	<i>Nom de la société</i>	<i>Localisation du projet</i>
SVT codes	Planning & Trading CZ s.r.o.	Czechia

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FEATURE	VALUE	UNIT
Acoustics		
Lw	74	dB(A)
A35/W12-7		
Pc (Cooling capacity)	30	kW
EER (Energy Efficiency Ratio)	2.8	
Apc Indoor (Indoor side available pressure of the unit with pump)	21.7	kPa
SEER AC		
SEER (Seasonal Energy Efficiency Ratio)	4.99	
η_{sc} (Seasonal space cooling energy efficiency)	196.8	%
Water Regulation (Fixed or Variable Water Flow / Fixed or Variable Outlet Temp.)	VW/VO	
A7/W40-45		
Ph (Heating capacity)	30	kW
COP (Coefficient of Performance)	3.63	
Aph Indoor (Indoor side available pressure of the unit with pump)	21	kPa
A35/W23-18		
Pc (Cooling capacity)	30	kW
EER (Energy Efficiency Ratio)	4.41	
Apc Indoor (Indoor side available pressure of the unit with pump)	21.7	kPa
SEER CF		
SEER (Seasonal Energy Efficiency Ratio)	6.8	
η_{sc} (Seasonal space cooling energy efficiency)	268.9	%
Water Regulation (Fixed or Variable Water Flow / Fixed or Variable Outlet Temp. Indoor)	VW/VO	
A7/W30-35		
Ph (Heating capacity)	30	kW
COP (Coefficient of Performance)	4.5	
Aph Indoor (Indoor side available pressure of the unit with pump)	19.4	kPa
A7/W47-55		
Ph (Heating capacity)	30	kW
COP (Coefficient of Performance)	3.13	
Aph Indoor (Indoor side available pressure of the unit with pump)	15.4	kPa



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P _{sb} c		
P _{sb} c (Standby mode power input in cooling)	14.4	W
P _{sb} h		
P _{sb} h (Standby mode power input in heating)	14.46	W
SCOP Average W35		
P _{design} h (Design heating load)	30	kW
SCOP (Seasonal Coefficient of Performance)	4.92	
η _{sh} (Seasonal space heating energy efficiency)	193.8	%
Water Regulation (Fixed or Variable Water Flow / Fixed or Variable Outlet Temperature)	VW/VO	
Sound Average W35		
L _w (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.)	74	dB(A)
Sound Average W45		
L _w (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.)	74.6	dB(A)
SCOP Average W55		
P _{design} h (Design heating load)	30	kW
SCOP (Seasonal Coefficient of Performance)	3.79	
η _{sh} (Seasonal space heating energy efficiency)	148.7	%
Water Regulation (Fixed or Variable Water Flow / Fixed or Variable Outlet Temperature)	VW/VO	
Sound Average W55		
L _w (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.)	74	dB(A)
SCOP Colder W35		
P _{design} h (Design heating load)	28	kW
SCOP (Seasonal Coefficient of Performance)	3.91	
η _{sh} (Seasonal space heating energy efficiency)	153.3	%
SCOP Colder W55		
P _{design} h (Design heating load)	28	kW
SCOP (Seasonal Coefficient of Performance)	3.14	
η _{sh} (Seasonal space heating energy efficiency)	122.8	%



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SCOP Warmer W35

Pdesignh (Design heating load)	30	kW
SCOP (Seasonal Coefficient of Performance)	6.26	
ηsh (Seasonal space heating energy efficiency)	247.5	%

SCOP Warmer W55

Pdesignh (Design heating load)	30	kW
SCOP (Seasonal Coefficient of Performance)	4.9	
ηsh (Seasonal space heating energy efficiency)	193.1	%

General

Refrigerant	R290	
Control of Pump Speed (Indoor side for air-to-water units, Indoor-Outdoor side for water-to-water units)	Variable	
Indoor Heat Exc. Type	Plate	

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 September 27, 2012 - Date 1ère admission 27 septembre 2012

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

GD MIDEA Heating & Ventilating Equipment Co. Ltd
Penglai Industry Road - Beijiao, Shunde -Province Guangdong
528311 Foshan, China

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 07/02/2025
THIS CERTIFICATE IS VALID UNTIL 30/04/2025

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 07/02/2025
CE CERTIFICAT EST VALIDE JUSQU'AU 30/04/2025

Paris, 7 février 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 September 27, 2012 - Date 1ère admission 27 septembre 2012

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

MDV
MIDEA

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

Heat Pump Solution 3.10
Midea Air-Cooled Chiller Selection 1.006