

# PRODUCT PERFORMANCE RATING

Document ID 1662723733-20-e2e293e2

Issued on: 9 September 2022 - Délivré le : 9 septembre 2022

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



## Certificate N° 21.03.105

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Certification programmes / Programmes de certification

Climatiseurs (Pompes à chaleur Air-Air)

Product type / Type de produit

Air/air, split, réversible ( $\leq 12$  kW)

Model name / Nom du modèle

NAGANO MURALE PURE IM52V2-NG / E1U52L-NG

Range / Gamme

NAGANO MURALE PURE

Participant / Titulaire

Thermor

Brand / Marque

THERMOR

This performance certificate is delivered for the following project

### Project Name

Nom du projet

NAGANO murale Pure 5200W

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FEATURE	VALUE	UNIT
<b>Seasonal Efficiency In Cooling</b>		
Pdesignc (Design Load Cooling)	5.2	kW
SEER (Seasonal Energy Efficiency Ratio)	7.2	
Qce (Annual electricity consumption for cooling)	253	kWh/annum
SEER Class (Seasonal Energy Efficiency Ratio Class)	A++	
<b>Heating Average Climate</b>		
Pdesignh (Design load heating )	4.6	kW
SCOP (Reference SCOP)	4.6	
SCOP Class (Seasonal Coefficient Of Performance Class)	A++	
Qhe (Annual electricity consumption for heating)	1401	kWh/annum
<b>Acoustic</b>		
LW0 env (A-weighted sound level outdoor near the envelope for non ducted units )	63	dB(A)
Lw1 env (A-weighted sound power level indoor unit 1 (non ducted))	57	dB(A)
<b>Standard Cooling/Cooling PL Cond A</b>		
Pc (Total Cooling Capacity)	5.2	kW
Pec (Effective Power Input for Cooling (for chilled water cooled Close Control units only)	1.41	kW
EER (Energy Efficiency Ratio)	3.68	
<b>Cooling PL CondB</b>		
Pc @ 30°C (Declared Cooling Capacity @ 30°C)	3.83	kW
EER @ 30°C (Declared Energy Efficiency @ 30°C )	5.3	
<b>Cooling PL CondC</b>		
Pc @ 25°C (Declared Cooling Capacity @ 25°C)	2.46	kW
EER @ 25°C (Declared Energy Efficiency @ 25°C)	8.1	
<b>Cooling PL CondD</b>		
Pc @ 20°C (Declared Cooling Capacity @ 20°C)	1.48	kW
EER @ 20°C (Declared Energy Efficiency @ 20°C )	13.9	
<b>Standard Heating</b>		
Ph (Heating Capacity)	6	kW
Peh (Net Electric Power Consumption for Heating Only application )	1.5	kW
COP (Coefficient Of Performance)	4	



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Heating PL CondA		
Ph @ -7°C (Declared Heating Capacity @ -7°C)	4.07	kW
COP @ -7°C (Declared Coefficient Of Performances @ -7°C)	2.85	
Heating PL CondB		
Ph @ +2°C (Declared Heating Capacity @ +2°C)	2.48	kW
COP @ 2°C (Declared Coefficient Of Performances @ 2°C)	4.58	
Heating PL CondC		
Ph @ +7°C (Declared Heating Capacity @ +7°C)	1.59	kW
COP @ +7°C (Declared Coefficient Of Performances @ +7°C)	6.03	
Heating PL CondD		
Ph @ +12°C (Declared Heating Capacity @ +12°C)	1.12	kW
COP @ +12°C (Declared Coefficient Of Performances @ +12°C)	7.19	
Bivalent Point		
Tbiv (Bivalent Temperature)	-7	°C
COP @ Tbiv (Declared coefficient of performances at bivalent temperature condition)	2.85	
Ph TBiv (Heating capacity at bivalent temperature)	4.07	kW
TOL Runing Test		
TOL (Operating LimitTemperature )	-10	°C
Ph E (Declared Heating Capacity @ TOL)	3.8	kW
COP E (Declared Coefficient Of Performances @ TOL)	2.6	
Heating Warmer Climate		
SCOP (Refrence SCOP Warmer Climate)	5.7	
SCOP Class warmer climate (Seasonal Coefficient Of Performance Class (warmer climate))	A+++	
Qhe (Annual Electricity consumption)	1175	kWh/annum
Poffc		
Poff (Power consumption in off mode)	2	W
Psb		
Psb (Power consumption in standby mode cooling (Paux, cooling))	2	W
Pto		
Pto (Power consumption in thermostat off mode)	15	W
General		

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FEATURE	VALUE	UNIT
<b>General</b>		
Inverter ( <i>Inverter (True/False)</i> )	true	
Capacity Control	Variable	
Main Power Supply ( <i>Voltage (V) - Phase - Frequency (Hz)</i> )	230-1-50	
Refrigerant	R32	
Refr. Line ( <i>Refrigerant Line. If possible</i> )	5m	m
Mounting ( <i>Mounting Type</i> )	Wall mounted	
<b>Eligible CEE</b>		
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**  
**/ Climatiseurs de moins de 12kW**

Granted on March 31, 2021 – Date 1ère admission 31 mars 2021

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

Participant/Titulaire

Thermor  
ZA Charles Beauhaire – 17 rue Croix Fauchet – BP46  
45141 Saint Jean de la ruelle, France

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

THIS CERTIFICATE HAS BEEN ISSUED ON 12/10/2021  
THIS CERTIFICATE IS VALID UNTIL 31/10/2022

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

*CE CERTIFICAT A ÉTÉ EMIS LE 12/10/2021  
CE CERTIFICAT EST VALIDE JUSQU'AU 31/10/2022*



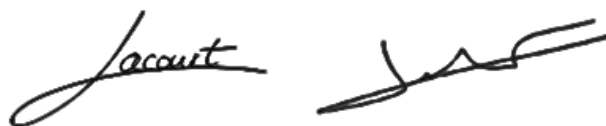
Organisme accrédité n° 5-0517 Certification  
Produits et Services selon la norme NF EN  
ISO/CEI 17065:2012  
Portée disponible sur [www.cofrac.fr](http://www.cofrac.fr)

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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et MLA d'IAF,  
COFRAC is signatory of EA MLA and IAF MLA,  
list of EA members is available on  
[www.european-accreditation.org/ea-members](http://www.european-accreditation.org/ea-members)  
list of IAF members is available on  
[www.iaf.nu/articles/IAF\\_MEMBERS\\_SIGNATORIES/4](http://www.iaf.nu/articles/IAF_MEMBERS_SIGNATORIES/4)

Paris, 12 octobre 2021

MANAGING BOARD MEMBER / MEMBRE DIRECTOIRE



## Appendix / Annexe

Granted on March 31, 2021 – *Date 1ère admission 31 mars 2021*

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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

THERMOR

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