

PRODUCT PERFORMANCE RATING

Document ID 1675351107-c3-a2461e13

Issued on: 2 February 2023 - Délivré le : 2 février 2023

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

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



Certificate N° 17.02.236

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

Eurovent Heat Pumps (Heat pumps Eurovent)

Product type / Type de produit

Air to air, multi split, heating, and cooling (≤ 12 kW)

Model name / Nom du modèle

AJ100TXJ5KG / AR18TXEAAWK / AR18TXEAAWK

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>
Not specified	Samsung Electronics Air Conditioner Europe	Not specified	Hungary

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FEATURE	VALUE	UNIT
Seasonal Efficiency In Cooling		
Pdesignc (Design Load Cooling)	8.56	kW
SEER (Seasonal Energy Efficiency Ratio)	5.58	
Qce (Annual electricity consumption for cooling)	537	kWh/annum
SEER Class (Seasonal Energy Efficiency Ratio Class)	A	
Heating Average Climate		
Pdesignh (Design load heating)	7.7	kW
SCOP (Reference SCOP)	3.83	
SCOP Class (Seasonal Coefficient Of Performance Class)	A	
Qhe (Annual electricity consumption for heating)	2812	kWh/annum
Acoustic		
LwO env (A-weighted sound level outdoor near the envelope for non ducted units)	70	dB(A)
Lwl1 env (A-weighted sound power level indoor unit 1 (non ducted))	62	dB(A)
Lwl2 env (A-weighted sound power level indoor unit 2 (non ducted))	62	dB(A)
Thermal		
Pc (Total Cooling Capacity)	8.56	kW
Pec (Effective Power Input for Cooling (for chilled water cooled Close Control units only)	2.57	kW
EER (Energy Efficiency Ratio)	3.33	
Cooling PL CondB		
Pc @ 30°C (Declared Cooling Capacity @ 30°C)	6.35	kW
EER @ 30°C (Declared Energy Efficiency @ 30°C)	4.64	
Cooling PL CondC		
Pc @ 25°C (Declared Cooling Capacity @ 25°C)	4.05	kW
EER @ 25°C (Declared Energy Efficiency @ 25°C)	7.07	
Cooling PL CondD		
Pc @ 20°C (Declared Cooling Capacity @ 20°C)	3.8	kW
EER @ 20°C (Declared Energy Efficiency @ 20°C)	9.74	
Standard Heating		
Ph (Heating Capacity)	10.6	kW
Peh (Net Electric Power Consumption for Heating Only application)	2.92	kW

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FEATURE	VALUE	UNIT
Standard Heating		
COP (Coefficient Of Performance)	3.63	
Heating PL CondA		
Ph @ -7°C (Declared Heating Capacity @ -7°C)	6.81	kW
COP @ -7°C (Declared Coefficient Of Performances @ -7°C)	2.69	
Heating PL CondB		
Ph @ +2°C (Declared Heating Capacity @ +2°C)	4.15	kW
COP @ 2°C (Declared Coefficient Of Performances @ 2°C)	3.9	
Heating PL CondC		
Ph @ +7°C (Declared Heating Capacity @ +7°C)	2.66	kW
COP @ +7°C (Declared Coefficient Of Performances @ +7°C)	4.59	
Heating PL CondD		
Ph @ +12°C (Declared Heating Capacity @ +12°C)	2.9	kW
COP @ +12°C (Declared Coefficient Of Performances @ +12°C)	5.47	
Bivalent Point		
Tbiv (Bivalent Temperature)	-7	°C
Ph TBiv (Heating capacity at bivalent temperature)	6.81	kW
COP @ Tbiv (Declared coefficient of performances at bivalent temperature condition)	2.69	
TOL Runing Test		
TOL (Operating LimitTemperature)	-10	°C
Ph E (Declared Heating Capacity @ TOL)	7.6	kW
COP E (Declared Coefficient Of Performances @ TOL)	2.4	
Heating Colder Climate		
SCOP Class colder climate (Seasonal Coefficient Of Performance Class (colder climate))	G	
Heating Warmer Climate		
SCOP Class warmer climate (Seasonal Coefficient Of Performance Class (warmer climate))	G	
AC Poffc		
Poff (Power consumption in off mode)	12	W
AC Psbc (RT2012)		
Psb (Power consumption in standby mode cooling (Paux, cooling))	12	W



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AC Pto		
Pto (Power consumption in thermostat off mode)	100	W
General		
Inverter (Inverter (True/False))	true	
Refrigerant	R32	
Refr. Line (Refrigerant Line. If possible)	5	m
Main Power Supply (Voltage (V) - Phase - Frequency (Hz))	230-1-50	
Mounting (Mounting Type)	Wall mounted	
Capacity Control	Variable	

Eurovent Heat Pumps / Pompes à chaleur Eurovent

Range Name / Nom de Gamme :
INVERTER (AC1)

Granted on February 14, 2017 - Date 1ère admission 14 février 2017

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

SAMSUNG Electronics Co. Ltd
129, SAMSUNG-RO, YEONGTONG-GU - GYEONGGI-DO
443-742 SUWON CITY , Korea

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

ECP Eurovent-HP - « Eurovent 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 the above Range 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 18/10/2022
THIS CERTIFICATE IS VALID UNTIL 31/10/2023

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

ECP Eurovent-HP – « Pompes à chaleur Eurovent » 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 la gamme visée ci-dessus, 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 18/10/2022
CE CERTIFICAT EST VALIDE JUSQU'AU 31/10/2023

Paris, 18 octobre 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

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 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
list of IAF members is available on www.iaf.nu/articles/IAF_MEMBERS_SIGNATORIES/4

MANAGING BOARD MEMBER / MEMBRE DIRECTOIRE



Appendix / Annexe

Granted on February 14, 2017 - Date 1ère admission 14 février 2017

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](#)

SAMSUNG

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