

PRODUCT PERFORMANCE RATING

Document ID 1657712084-20-03775d24

Issued on: 13 July 2022- Délivré le : 13 juillet 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° 99.01.071

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Certification programmes / Programmes de certification

Product type / Type de produit

Model name / Nom du modèle

Range / Gamme

Participant / Titulaire

Brand / Marque

Air conditioners

Air to air, split, reversible (≤ 12 kW)

AR12TXFCAWKN/AR12TXFCAWKX

INVERTER

SAMSUNG Electronics Co. Ltd

SAMSUNG

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)	3.5	kW
SEER (Seasonal Energy Efficiency Ratio)	6.5	
Qce (Annual electricity consumption for cooling)	188.46	kWh/annum
SEER Class (Seasonal Energy Efficiency Ratio Class)	A++	
Heating Average Climate		
Pdesignh (Design load heating)	2.2	kW
SCOP (Reference SCOP)	4	
SCOP Class (Seasonal Coefficient Of Performance Class)	A+	
Qhe (Annual electricity consumption for heating)	770	kWh/annum
Acoustic		
LwO env (A-weighted sound level outdoor near the envelope for non ducted units)	64	dB(A)
Lwl1 env (A-weighted sound power level indoor unit 1 (non ducted))	56	dB(A)
Standard Cooling/Cooling PL Cond A		
Pc (Total Cooling Capacity)	3.5	kW
Pec (Effective Power Input for Cooling (for chilled water cooled Close Control units only)	1.22	kW
EER (Energy Efficiency Ratio)	2.87	
Cooling PL CondB		
Pc @ 30°C (Declared Cooling Capacity @ 30°C)	2.4	kW
EER @ 30°C (Declared Energy Efficiency @ 30°C)	5	
Cooling PL CondC		
Pc @ 25°C (Declared Cooling Capacity @ 25°C)	1.5	kW
EER @ 25°C (Declared Energy Efficiency @ 25°C)	8.3	
Cooling PL CondD		
Pc @ 20°C (Declared Cooling Capacity @ 20°C)	1.1	kW
EER @ 20°C (Declared Energy Efficiency @ 20°C)	13	
Standard Heating		
Ph (Heating Capacity)	3.5	kW
Peh (Net Electric Power Consumption for Heating Only application)	0.94	kW
COP (Coefficient Of Performance)	3.72	



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Heating PL CondA		
Ph @ -7°C (Declared Heating Capacity @ -7°C)	1.9	kW
COP @ -7°C (Declared Coefficient Of Performances @ -7°C)	2.8	
Heating PL CondB		
Ph @ +2°C (Declared Heating Capacity @ +2°C)	1.2	kW
COP @ 2°C (Declared Coefficient Of Performances @ 2°C)	4	
Heating PL CondC		
Ph @ +7°C (Declared Heating Capacity @ +7°C)	1	kW
COP @ +7°C (Declared Coefficient Of Performances @ +7°C)	5.4	
Heating PL CondD		
Ph @ +12°C (Declared Heating Capacity @ +12°C)	1.2	kW
COP @ +12°C (Declared Coefficient Of Performances @ +12°C)	6.3	
Bivalent Point		
Tbiv (Bivalent Temperature)	-10	°C
COP @ Tbiv (Declared coefficient of performances at bivalent temperature condition)	2.2	
Ph TBiv (Heating capacity at bivalent temperature)	2.2	kW
TOL Runing Test		
TOL (Operating LimitTemperature)	-11	°C
Ph E (Declared Heating Capacity @ TOL)	2.2	kW
COP E (Declared Coefficient Of Performances @ TOL)	2.2	
Heating Warmer Climate		
SCOP (Refrence SCOP Warmer Climate)	4.7	
SCOP Class warmer climate (Seasonal Coefficient Of Performance Class (warmer climate))	A++	
Qhe (Annual Electricity consumption)	357.45	kWh/annum
Poffc		
Poff (Power consumption in off mode)	3	W
Psb		
Psb (Power consumption in standby mode cooling (Paux, cooling))	3	W
Ptoc		
Pto (Power consumption in thermostat off mode)	30	W
General		

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FEATURE	VALUE	UNIT
General		
Inverter (Inverter (True/False))	true	
Refr. Line (Refrigerant Line. If possible)	5	m
Mounting (Mounting Type)	WALL	