

PRODUCT PERFORMANCE RATING

Document ID 1632563251-73-c9b7e564

Issued on: 25 September 2021 - *Délivré le : 25 septembre 2021*

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

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Certification programmes / *Programmes de certification*

Product type / *Type de produit*

Model name / *Nom du modèle*

Eurovent Heat Pumps

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

AR12TXFYAWKN/AR12TXFYAWKX

This performance certificate is delivered for the following project

Project Name	Project compagny	Project Reference	Project location
<i>Nom du projet</i>	<i>Nom de la société</i>	<i>Project Reference</i>	<i>Localisation du projet</i>
RAC	AMBIENT	AMBIENT	Greece

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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		
LW0 env (A-weighted sound level outdoor near the envelope for non ducted units)	64	dB(A)
Lw1 env (A-weighted sound power level indoor unit 1 (non ducted))	56	dB(A)
Thermal		
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)	4.9	
Cooling PL CondC		
Pc @ 25°C (Declared Cooling Capacity @ 25°C)	1.5	kW
EER @ 25°C (Declared Energy Efficiency @ 25°C)	8.6	
Cooling PL CondD		
Pc @ 20°C (Declared Cooling Capacity @ 20°C)	0.9	kW
EER @ 20°C (Declared Energy Efficiency @ 20°C)	12.7	
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)	2.9	
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)	6.7	
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
COP @ TOL (Declared Coefficient Of Performances @ TOL)	2.2	
Ph @ TOL (Declared Heating Capacity @ TOL)	2.2	kW
Heating Colder Climate		
SCOP Class colder climate (Seasonal Coefficient Of Performance Class (colder climate))	G	
Heating Warmer Climate		
SCOP (Refrence SCOP Warmer Climate)	4.7	
SCOP Class warmer climate (Seasonal Coefficient Of Performance Class (warmer climate))	A++	
AC Poffc		
Poff (Power consumption in off mode)	3	W
AC Psbc (RT2012)		
Psb (Power consumption in standby mode cooling (Paux, cooling))	3	W
AC Ptoc		
Pto (Power consumption in thermostat off mode)	30	W



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General		
Refrigerant (Refrigerant (R410A, R32, R407C, R290, etc.))	R32	
Refr. Line (Refrigerant Line. If possible)	5	m
Main Power Supply (Main Power Supply [Voltage (V) - Phase - Frequency (Hz)])	230-1-50	
Mounting (Mounting Type)	WALL	