

# PRODUCT PERFORMANCE RATING

## Document ID 1632563252-d3-5f444ceb

Issued on: 25 September 2021 - *Déjà livré 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 ( $\leq 12$  kW)

AR18TXHQASIN/AR18TXHQASIX

This performance certificate is delivered for the following project

<b>Project Name</b>	<b>Project company</b>	<b>Project Reference</b>	<b>Project location</b>
<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
<b>Seasonal Efficiency In Cooling</b>		
Pdesignc (Design Load Cooling)	5.2	kW
SEER (Seasonal Energy Efficiency Ratio)	7.1	
Qce (Annual electricity consumption for cooling)	256	kWh/annum
SEER Class (Seasonal Energy Efficiency Ratio Class)	A++	
<b>Heating Average Climate</b>		
Pdesignh (Design load heating )	4.1	kW
SCOP (Reference SCOP)	4	
SCOP Class (Seasonal Coefficient Of Performance Class)	A+	
Qhe (Annual electricity consumption for heating)	1435	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))	55	dB(A)
<b>Thermal</b>		
Pc (Total Cooling Capacity)	5.28	kW
Pec (Effective Power Input for Cooling (for chilled water cooled Close Control units only)	1.54	kW
EER (Energy Efficiency Ratio)	3.43	
<b>Cooling PL CondB</b>		
Pc @ 30°C (Declared Cooling Capacity @ 30°C)	3.6	kW
EER @ 30°C (Declared Energy Efficiency @ 30°C )	5.1	
<b>Cooling PL CondC</b>		
Pc @ 25°C (Declared Cooling Capacity @ 25°C)	2.5	kW
EER @ 25°C (Declared Energy Efficiency @ 25°C)	8.5	
<b>Cooling PL CondD</b>		
Pc @ 20°C (Declared Cooling Capacity @ 20°C)	2	kW
EER @ 20°C (Declared Energy Efficiency @ 20°C )	13.6	
<b>Standard Heating</b>		
Ph (Heating Capacity)	5.28	kW
Peh (Net Electric Power Consumption for Heating Only application )	1.48	kW
COP (Coefficient Of Performance)	3.56	

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Heating PL CondA		
Ph @ -7°C (Declared Heating Capacity @ -7°C)	3.6	kW
COP @ -7°C (Declared Coefficient Of Performances @ -7°C)	2.6	
Heating PL CondB		
Ph @ +2°C (Declared Heating Capacity @ +2°C)	2.3	kW
COP @ 2°C (Declared Coefficient Of Performances @ 2°C)	4	
Heating PL CondC		
Ph @ +7°C (Declared Heating Capacity @ +7°C)	1.5	kW
COP @ +7°C (Declared Coefficient Of Performances @ +7°C)	5.1	
Heating PL CondD		
Ph @ +12°C (Declared Heating Capacity @ +12°C)	1.4	kW
COP @ +12°C (Declared Coefficient Of Performances @ +12°C)	6.1	
Bivalent Point		
Tbiv (Bivalent Temperature)	-7	°C
COP @ Tbiv (Declared coefficient of performances at bivalent temperature condition)	2.6	
Ph TBiv (Heating capacity at bivalent temperature)	3.6	kW
TOL Runing Test		
TOL (Operating LimitTemperature )	-10	°C
COP @ TOL (Declared Coefficient Of Performances @ TOL)	2.4	
Ph @ TOL (Declared Heating Capacity @ TOL)	3.5	kW
Heating Colder Climate		
SCOP Class colder climate (Seasonal Coefficient Of Performance Class (colder climate))	G	
Heating Warmer Climate		
SCOP (Refrence SCOP Warmer Climate)	4.6	
SCOP Class warmer climate (Seasonal Coefficient Of Performance Class (warmer climate))	A++	
AC Poffc		
Poff (Power consumption in off mode)	1.8	W
AC Psbc (RT2012)		
Psb (Power consumption in standby mode cooling (Paux, cooling))	1.8	W
AC Ptoc		
Pto (Power consumption in thermostat off mode)	7.9	W



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Pckc		
Pck (Power consumption of the crankcase heater)	0	W
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 mounted	
Capacity Control	Variable	