PRODUCT PERFORMANCE RATING

Document ID 1632563252-0e-ddba1e7f

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

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
Product type / *Type de produit*	Air to air, split, heating, and cooling (≤ 12 kW)
Model name / *Nom du modèle*	AR24TXHQASIN/AR24TXHQASIX

This performance certificate is delivered for the following project

Project Name *Nom du projet*	Project compagny *Nom de la société*	Project Reference *Project Reference*	Project location *Localisation du projet*
RAC	AMBIENT	AMBIENT	Greece

EUROPEAN HEAT PUMP

PRODUCT PERFORMANCE RATING

Document ID 1632563252-0e-ddba1e7f

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

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

FEATURE	VALUE	UNIT
Seasonal Efficiency In Cooling		
Pdesignc *(Design Load Cooling)*	7	kW
SEER *(Seasonal Energy Effeciency Ratio)*	6.1	
Qce *(Annual electricity consumption for cooling)*	412	kWh/annum
SEER Class *(Seasonal Energy Efficiency Ratio Class)*	A++	
Heating Average Climate		
Pdesignh *(Design load heating)*	4.8	kW
SCOP *(Reference SCOP)*	3.9	
SCOP Class *(Seasonal Coefficient Of Performance Class)*	A	
Qhe *(Annual electricity consumption for heating)*	1723.08	kWh/annum
Acoustic		
LwO env *(A-weighted sound level outdoor near the enveloppe for non ducted units)*	68	dB(A)
Lwl1 env *(A-weighted sound power level indoor unit 1 (non ducted))*	59	dB(A)
Thermal		
Pc *(Total Cooling Capacity)*	7.03	kW
Pec *(Effective Power Input for Cooling (for chilled water cooled Close Control units only)*	2.45	kW
EER *(Energy Efficiency Ratio)*	2.87	
Cooling PL CondB		
Pc @ 30°C *(Declared Cooling Capacity @ 30°C)*	5.2	kW
EER @ 30°C *(Declared Energy Effeciency @ 30°C)*	4.2	
Cooling PL CondC		
Pc @ 25°C *(Declared Cooling Capacity @ 25°C)*	3.2	kW
EER @ 25°C *(Declared Energy Efficiency @ 25°C)*	7.4	
Cooling PL CondD		
Pc @ 20°C *(Declared Cooling Capacity @ 20°C)*	2.7	kW
EER @ 20°C *(Declared Energy Efficiency @ 20°C)*	12	
Standard Heating		
Ph *(Heating Capacity)*	7.33	kW
Peh *(Net Electric Power Consumption for Heating Only application)*	2.7	kW
COP *(Coefficient Of Performance)*	2.71	

PRODUCT PERFORMANCE RATING

Document ID 1632563252-0e-ddba1e7f

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

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

Heating PL CondA		
Ph @ -7°C *(Declared Heating Capacity @ -7°C)*	4.1	kW
COP @ -7°C *(Declared Coefficient Of Performances @ -7°C)*	2.62	
Heating PL CondB		
Ph @ +2°C *(Declared Heating Capacity @ +2°C)*	2.5	kW
COP @ 2°C *(Declared Coefficient Of Performances @ 2°C)*	3.8	
Heating PL CondC		
Ph @ +7°C *(Declared Heating Capacity @ +7°C)*	1.7	kW
COP @ +7°C *(Declared Coefficient Of Performances @ +7°C)*	5	
Heating PL CondD		
Ph @ +12°C *(Declared Heating Capacity @ +12°C)*	2	kW
COP @ +12°C *(Declared Coefficient Of Performances @ +12°C)*	6.4	
Bivalent Point		
Tbiv *(Bivalent Temperature)*	-7	°C
COP @ Tbiv *(Declared coefficient of performances at bivalent temperature condition)*	2.62	
Ph TBiv *(Heating capacity at bivalent temperature)*	4.1	kW
TOL Runing Test		
TOL *(Operating LimitTemperature)*	-10	°C
COP @ TOL *(Declared Coefficient Of Performances @ TOL)*	2.2	
Ph @ TOL *(Declared Heating Capacity @ TOL)*	4.65	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	
SCOP Class warmer climate *(Seasonal Coefficient Of Performance Class (warmer climate))*	A+	
AC Poffc		
Poff *(Power consumption in off mode)*	1	W
AC Psbc (RT2012)		
Psb *(Power consumption in standby mode cooling (Paux, cooling))*	1	W
AC Ptoc		
Pto *(Power consumption in thermostat off mode)*	15	W

PRODUCT PERFORMANCE RATING

Document ID 1632563252-0e-ddba1e7f

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

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

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	