PRODUCT PERFORMANCE RATING

Document ID 1632563252-e4-9250812c

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*	Eurovent Heat Pumps
Product type / *Type de produit*	Air to air, split, heating, and cooling (≤ 12 kW)
Model name / *Nom du modèle*	AR24TXFYAWKN/AR24TXFYAWKX

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

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FEATURE	VALUE	UNIT
Seasonal Efficiency In Cooling		
Pdesignc *(Design Load Cooling)*	6.5	kW
SEER *(Seasonal Energy Effeciency Ratio)*	6.4	
Qce *(Annual electricity consumption for cooling)*	355.47	kWh/annum
SEER Class *(Seasonal Energy Efficiency Ratio Class)*	A++	
Heating Average Climate		
Pdesignh *(Design load heating)*	4.1	kW
SCOP *(Reference SCOP)*	3.8	
SCOP Class *(Seasonal Coefficient Of Performance Class)*	A	
Qhe *(Annual electricity consumption for heating)*	1510.53	kWh/annum
Acoustic		
LwO env *(A-weighted sound level outdoor near the enveloppe for non ducted units)*	68	dB(A)
LwI1 env *(A-weighted sound power level indoor unit 1 (non ducted))*	62	dB(A)
Thermal		
Pc *(Total Cooling Capacity)*	6.5	kW
Pec *(Effective Power Input for Cooling (for chilled water cooled Close Control units only)*	1.95	kW
EER *(Energy Efficiency Ratio)*	3.33	
Cooling PL CondB		
Pc @ 30°C *(Declared Cooling Capacity @ 30°C)*	4.8	kW
EER @ 30°C *(Declared Energy Effeciency @ 30°C)*	5.1	
Cooling PL CondC		
Pc @ 25°C *(Declared Cooling Capacity @ 25°C)*	3	kW
EER @ 25°C *(Declared Energy Efficiency @ 25°C)*	7.4	
Cooling PL CondD		
Pc @ 20°C *(Declared Cooling Capacity @ 20°C)*	1.6	kW
EER @ 20°C *(Declared Energy Efficiency @ 20°C)*	12.6	
Standard Heating		
Ph *(Heating Capacity)*	7.4	kW
Peh *(Net Electric Power Consumption for Heating Only application)*	2.35	kW
COP *(Coefficient Of Performance)*	3.15	

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Heating PL CondA		
Ph @ -7°C *(Declared Heating Capacity @ -7°C)*	3.4	kW
COP @ -7°C *(Declared Coefficient Of Performances @ -7°C)*	2.8	
Heating PL CondB		
Ph @ +2°C *(Declared Heating Capacity @ +2°C)*	2.2	kW
COP @ 2°C *(Declared Coefficient Of Performances @ 2°C)*	4	
Heating PL CondC		
Ph @ +7°C *(Declared Heating Capacity @ +7°C)*	1.6	kW
COP @ +7°C *(Declared Coefficient Of Performances @ +7°C)*	5.3	
Heating PL CondD		
Ph @ +12°C *(Declared Heating Capacity @ +12°C)*	1.6	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)*	2.7	
Ph TBiv *(Heating capacity at bivalent temperature)*	4.1	kW
TOL Runing Test		
TOL *(Operating LimitTemperature)*	-11	°C
COP @ TOL *(Declared Coefficient Of Performances @ TOL)*	2.7	
Ph @ TOL *(Declared Heating Capacity @ TOL)*	4.1	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)*	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)*	40	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	