

Subtype THERMOR AUREA 11

Certificate Holder	Groupe Atlantic
Address	Rue des Fondeurs BP 64
ZIP	59660
City	Merville
Country	FR
Certification Body	RISE CERT
Subtype title	THERMOR AUREA 11
Registration number	012-C700243
Heat Pump Type	Outdoor Air/Water
Refrigerant	R32
Mass of Refrigerant	1.47 kg
Certification Date	20.12.2023
Testing basis	EN 14511:2022, EN 16147:2017, EN 14825:2022, EN 12102:2022.
Testing laboratory	ACTA INDUSTRIE - Laboratoire Acoustique et Climatique

**Model THERMOR AUREA DUO 11**

Model name	THERMOR AUREA DUO 11
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

**General data**

Power supply	1x230V 50Hz
Off-peak product	n/a

**Outdoor Air/Water****EN 16147 | Average Climate**

Declared load profile	L
Efficiency $\eta_{DHW}$	124 %
COP	3.10
Heating up time	1:35 h:min
Standby power input	45.0 W
Reference hot water temperature	55.0 °C
Mixed water at 40°C	238 l

**EN 14511-4 | Heating**

Shutting off the heat transfer medium flow passed

Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

**EN 14511-2 | Heating**

	Low temperature	Medium temperature
Heat output	10.00 kW	10.00 kW
El input	2.13 kW	3.40 kW
COP	4.70	2.94

**EN 12102-1 | Average Climate**

	Low temperature	Medium temperature
Sound power level indoor	40 dB(A)	40 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)

**EN 14825 | Average Climate**

	Low temperature	Medium temperature
$\eta_s$	195 %	141 %
Prated	10.20 kW	9.90 kW

SCOP	4.94	3.60
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	9.00 kW	8.80 kW
COP Tj = -7°C	3.06	2.16
Cdh Tj = -7 °C	0.990	0.990
Pdh Tj = +2°C	5.50 kW	5.30 kW
COP Tj = +2°C	4.92	3.53
Cdh Tj = +2 °C	0.980	0.980
Pdh Tj = +7°C	4.00 kW	3.70 kW
COP Tj = +7°C	6.61	4.87
Cdh Tj = +7 °C	0.960	0.970
Pdh Tj = 12°C	4.50 kW	4.40 kW
COP Tj = 12°C	8.30	6.74
Cdh Tj = +12 °C	0.960	0.960
Pdh Tj = Tbiv	9.00 kW	8.80 kW
COP Tj = Tbiv	3.06	2.16
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	9.00 kW	8.00 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.71	1.94
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.990	0.990
WTOL	60 °C	60 °C
Poff	13 W	13 W
PTO	23 W	23 W
PSB	13 W	13 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.20 kW	1.90 kW
Annual energy consumption Qhe	4269 kWh	5685 kWh

**Model THERMOR AUREA 11**

Model name	THERMOR AUREA 11
Application	Heating (medium temp)
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

**General data**

Power supply	1x230V 50Hz
Off-peak product	n/a

**Outdoor Air/Water****EN 14511-4 | Heating**

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Defrost test	passed
Starting and operating test	passed

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