Subtype THERMOR AEROLIA 2 9	
Certificate Holder	Groupe Atlantic
Address	Rue des Fondeurs BP 64
ZIP	59660
City	Merville
Country	FR
Certification Body	RISE CERT
Subtype title	THERMOR AEROLIA 2 9
Registration number	012-C700331
Heat Pump Type	Outdoor Air/Water
Refrigerant	R32
Mass of Refrigerant	1.4 kg
Certification Date	26.06.2024
Testing basis	EN 14511:2022, EN 14825:2022, EN 16147:2017+A1:2022, EN 12102:2022
Testing laboratory	ACTA INDUSTRIE - Laboratoire Acoustique et Climatique

Model THERMOR AEROLIA 2 9	
Model name	THERMOR AEROLIA 2 9
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

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	10.08 kW	8.24 kW
El input	2.18 kW	2.79 kW
COP	4.62	2.95

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level indoor	36 dB(A)	36 dB(A)
Sound power level outdoor	56 dB(A)	56 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
ηs	183 %	131 %
Prated	8.50 kW	8.20 kW
SCOP	4.66	3.35
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.50 kW	7.30 kW
COP Tj = -7°C	3.18	2.30
Cdh Tj = -7 °C	0.990	0.990
Pdh Tj = +2°C	4.60 kW	4.40 kW
COP Tj = +2°C	4.66	3.26
Cdh Tj = +2 °C	0.980	0.990
Pdh Tj = +7°C	4.40 kW	4.10 kW

COP Tj = +7°C	5.92	4.26
Cdh Tj = +7 °C	0.970	0.980
Pdh Tj = 12°C	5.00 kW	4.90 kW
COP Tj = 12°C	7.52	5.76
Cdh Tj = +12 °C	0.970	0.980
Pdh Tj = Tbiv	7.50 kW	7.30 kW
COP Tj = Tbiv	3.18	2.30
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.20 kW	6.70 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.93	2.01
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.990	0.990
WTOL	60 °C	60 °C
Poff	14 W	14 W
PTO	21 W	18 W
PSB	14 W	14 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.30 kW	1.50 kW
Annual energy consumption Qhe	3771 kWh	5060 kWh

Model THERMOR AEROLIA 2 DUO 9	
Model name	THERMOR AEROLIA 2 DUO 9
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 ηDHW	116 %
COP	2.90
Heating up time	1:30 h:min
Standby power input	34.0 W
Reference hot water temperature	55.0 °C
Mixed water at 40°C	250 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	10.08 kW	8.24 kW
El input	2.18 kW	2.79 kW
COP	4.62	2.95

EN 12102-1 | Average Climate	Low temperature	Medium temperature
Sound power level indoor	36 dB(A)	36 dB(A)
Sound power level outdoor	56 dB(A)	56 dB(A)

EN 14825 | Average Climate	Low temperature	Medium temperature
ηs	183 %	131 %
Prated	8.50 kW	8.20 kW

SCOP	4.66	3.35
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.50 kW	7.30 kW
COP Tj = -7°C	3.18	2.30
Cdh Tj = -7 °C	0.990	0.990
Pdh Tj = +2°C	4.60 kW	4.40 kW
COP Tj = +2°C	4.66	3.26
Cdh Tj = +2 °C	0.980	0.990
Pdh Tj = +7°C	4.40 kW	4.10 kW
COP Tj = +7°C	5.92	4.26
Cdh Tj = +7 °C	0.970	0.980
Pdh Tj = 12°C	5.00 kW	4.90 kW
COP Tj = 12°C	7.52	5.76
Cdh Tj = +12 °C	0.970	0.980
Pdh Tj = Tbiv	7.50 kW	7.30 kW
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Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.20 kW	6.70 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.93	2.01
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.990	0.990
WTOL	60 °C	60 °C
Poff	14 W	14 W
PTO	21 W	18 W
PSB	14 W	14 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.30 kW	1.50 kW
Annual energy consumption Qhe	3771 kWh	5060 kWh