Subtype ATLANTIC GEOLIA 5

Certificate Holder	Groupe Atlantic
Address	Rue des Fondeurs BP 64
ZIP	59660
City	Merville
Country	FR
Certification Body	RISE CERT
Subtype title	ATLANTIC GEOLIA 5
Registration number	012-C700079
Heat Pump Type	Brine/Water and Water/Water
Refrigerant	R410A
Mass of Refrigerant	0.9 kg
Certification Date	16.10.2020
Testing basis	HP Keymark Scheme Rules rev 8

Model ATLANTIC GEOLIA 5

Model name	ATLANTIC GEOLIA 5
Application	Heating (medium temp)
Units	Indoor
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	No

Brine/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	5.64 kW	kW
El input	1.43 kW	kW
COP	3.94	

EN 12102-1 | Average Climate

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

EN 14825 | Average Climate

	Low temperature	Medium temperature
ηs	155 %	%
Prated	6.40 kW	kW
SCOP	4.07	
Tbiv	-7 °C	°C
TOL	-10 °C	°C
Pdh Tj = -7°C	5.70 kW	kW
COP Tj = -7°C	3.90	
Cdh Tj = -7 °C	0.990	
Pdh Tj = +2°C	5.80 kW	kW
COP Tj = +2°C	4.10	
Cdh Tj = +2 °C	0.990	
Pdh Tj = +7°C	5.70 kW	kW
COP Tj = +7°C	4.30	

Cdh Tj = +7 °C	0.990	
Pdh Tj = 12°C	5.70 kW	kW
COP Tj = 12°C	4.40	
Cdh Tj = +12 °C	0.990	
Pdh Tj = Tbiv	5.70 kW	kW
COP Tj = Tbiv	3.90	
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.60 kW	kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.90	
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.990	
WTOL	50 °C	°C
Poff	2 W	W
PTO	9 W	W
PSB	4 W	W
PCK	0 W	W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.80 kW	kW
Annual energy consumption Qhe	3369 kWh	kWh

Water/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	7.14 kW	6.57 kW
El input	1.44 kW	2.01 kW
COP	4.86	3.26

EN 14825 | Average Climate

	Low temperature	Medium temperature
ηs	211 %	151 %
Prated	8.40 kW	7.70 kW
SCOP	5.48	3.96
Tbiv	-7 °C	-1 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.40 kW	6.80 kW
COP Tj = -7°C	5.20	3.30
Cdh Tj = -7 °C	0.990	0.990

Pdh Tj = +2°C	7.60 kW	6.90 kW
COP Tj = +2°C	5.50	4.00
Cdh Tj = +2 °C	0.990	0.990
Pdh Tj = +7°C	7.70 kW	7.10 kW
COP Tj = +7°C	5.80	4.40
Cdh Tj = +7 °C	0.990	0.990
Pdh Tj = 12°C	7.70 kW	7.20 kW
COP Tj = 12°C	6.10	4.90
Cdh Tj = +12 °C	0.990	0.990
Pdh Tj = Tbiv	7.40 kW	6.80 kW
COP Tj = Tbiv	5.20	3.30
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.30 kW	6.70 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	5.00	3.10
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.990	0.990
WTOL	55 °C	55 °C
Poff	2 W	2 W
PTO	9 W	9 W
PSB	4 W	4 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.10 kW	1.00 kW
Annual energy consumption Qhe	3138 kWh	3973 kWh