

Subtype ATLANTIC GEOLIA 10

Certificate Holder	Groupe Atlantic
Address	Rue des Fondateurs BP 64
ZIP	59660
City	Merville
Country	FR
Certification Body	RISE CERT
Subtype title	ATLANTIC GEOLIA 10
Registration number	012-C700081
Heat Pump Type	Brine/Water and Water/Water
Refrigerant	R410A
Mass of Refrigerant	1.45 kg
Certification Date	16.10.2020
Testing basis	HP Keymark Scheme Rules rev 8

Model ATLANTIC GEOLIA 10

Model name	ATLANTIC GEOLIA 10
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	10.08 kW	kW
El input	2.48 kW	kW
COP	4.06	

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
η_s	164 %	%
Prated	11.50 kW	kW
SCOP	4.30	
Tbiv	-7 °C	°C
TOL	-10 °C	°C
Pdh Tj = -7°C	10.20 kW	kW
COP Tj = -7°C	4.08	
Cdh Tj = -7 °C	0.990	
Pdh Tj = +2°C	10.30 kW	kW
COP Tj = +2°C	4.33	
Cdh Tj = +2 °C	0.990	
Pdh Tj = +7°C	10.40 kW	kW
COP Tj = +7°C	4.56	

Cdh Tj = +7 °C	0.990	
Pdh Tj = 12°C	10.60 kW	kW
COP Tj = 12°C	4.80	
Cdh Tj = +12 °C	0.990	
Pdh Tj = Tbiv	10.20 kW	kW
COP Tj = Tbiv	4.08	
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.10 kW	kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.98	
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh		
WTOL	50 °C	°C
Poff	2 W	W
PTO	24 W	W
PSB	4 W	W
PCK	0 W	W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.40 kW	kW
Annual energy consumption Qhe	5644 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	13.38 kW	11.75 kW
El input	2.48 kW	3.52 kW
COP	5.38	3.34

EN 14825 | Average Climate

	Low temperature	Medium temperature
ηs	231 %	177 %
Prated	15.00 kW	14.00 kW
SCOP	4.30	4.63
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	13.40 kW	12.40 kW
COP Tj = -7°C	5.71	3.74
Cdh Tj = -7 °C	0.990	0.990

Pdh Tj = +2°C	13.50 kW	12.80 kW
COP Tj = +2°C	6.03	4.67
Cdh Tj = +2 °C	0.990	0.990
Pdh Tj = +7°C	13.60 kW	13.00 kW
COP Tj = +7°C	6.48	5.29
Cdh Tj = +7 °C	0.990	0.990
Pdh Tj = 12°C	13.70 kW	13.30 kW
COP Tj = 12°C	6.68	5.91
Cdh Tj = +12 °C	0.990	0.990
Pdh Tj = Tbiv	13.40 kW	12.40 kW
COP Tj = Tbiv	5.71	3.74
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	13.30 kW	11.80 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	5.27	3.27
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh		
WTOL	55 °C	55 °C
Poff	2 W	2 W
PTO	24 W	24 W
PSB	4 W	4 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.70 kW	2.20 kW
Annual energy consumption Qhe	5525 kWh	6442 kWh