

Subtype ATLANTIC GEOLIA 13

Certificate Holder	Groupe Atlantic
Address	Rue des Fondeurs BP 64
ZIP	59660
City	Merville
Country	FR
Certification Body	RISE CERT
Subtype title	ATLANTIC GEOLIA 13
Registration number	012-C700082
Heat Pump Type	Brine/Water and Water/Water
Refrigerant	R410A
Mass of Refrigerant	1.7 kg
Certification Date	16.10.2020
Testing basis	HP Keymark Scheme Rules rev 8

**Model ATLANTIC GEOLIA 13**

Model name	ATLANTIC GEOLIA 13
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	12.63 kW	11.86 kW
EI input	2.91 kW	4.06 kW
COP	4.35	2.92

**EN 12102-1 | Average Climate**

	Low temperature	Medium temperature
Sound power level indoor	55 dB(A)	55 dB(A)

**EN 14825 | Average Climate**

	Low temperature	Medium temperature
$\eta_s$	177 %	140 %
Prated	14.30 kW	13.50 kW
SCOP	4.62	3.70
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	12.60 kW	11.90 kW
COP Tj = -7°C	4.53	3.43
Cdh Tj = -7 °C	0.990	0.990
Pdh Tj = +2°C	12.70 kW	12.20 kW
COP Tj = +2 °C	4.70	3.65
Cdh Tj = +2 °C	0.990	0.990
Pdh Tj = +7°C	12.80 kW	12.40 kW
COP Tj = +7°C	4.86	4.07

Cdh Tj = +7 °C	0.990	0.990
Pdh Tj = 12°C	12.90 kW	12.60 kW
COP Tj = 12°C	5.02	4.47
Cdh Tj = +12 °C	0.990	0.990
Pdh Tj = Tbiv	12.60 kW	11.90 kW
COP Tj = Tbiv	4.53	3.43
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	12.60 kW	11.90 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.26	2.86
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh		
WTOL	55 °C	55 °C
Poff	2 W	2 W
PTO	90 W	90 W
PSB	3 W	3 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.70 kW	1.60 kW
Annual energy consumption Qhe	6386 kWh	7546 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	16.78 kW	15.59 kW
El input	2.94 kW	4.68 kW
COP	5.70	3.33

**EN 14825 | Average Climate**

	Low temperature	Medium temperature
ηs	210 %	164 %
Prated	18.20 kW	15.70 kW
SCOP	5.44	4.29
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	16.10 kW	13.90 kW
COP Tj = -7°C	5.17	3.43
Cdh Tj = -7 °C	0.990	0.990

Pdh Tj = +2°C	16.30 kW	14.70 kW
COP Tj = +2°C	5.50	4.35
Cdh Tj = +2 °C	0.990	0.990
Pdh Tj = +7°C	16.50 kW	15.20 kW
COP Tj = +7°C	5.81	4.92
Cdh Tj = +7 °C	0.990	0.990
Pdh Tj = 12°C	16.70 kW	15.70 kW
COP Tj = 12°C	6.14	5.51
Cdh Tj = +12 °C	0.990	0.990
Pdh Tj = Tbiv	16.10 kW	13.90 kW
COP Tj = Tbiv	5.17	3.43
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	16.10 kW	13.60 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	5.11	3.11
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh		
WTOL	55 °C	55 °C
Poff	2 W	2 W
PTO	90 W	90 W
PSB	3 W	3 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	2.10 kW	2.10 kW
Annual energy consumption Qhe	6912 kWh	7576 kWh