

Subtype ATLANTIC GEOLIA 13

Certificate Holder	Groupe Atlantic
Address	44 boulevard des Etats-Unis
ZIP	85000
City	La Roche Sur Yon
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 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
η_s	177 %	140 %
Prated	14.00 kW	13.00 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
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 14825 | Average Climate

	Low temperature	Medium temperature
η_s	210 %	164 %
Prated	18.00 kW	16.00 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

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