Subtype ATLANTIC GEOLIA 17

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 17
Registration number	012-C700083
Heat Pump Type	Brine/Water and Water/Water
Refrigerant	R410A
Mass of Refrigerant	2.3 kg
Certification Date	16.10.2020
Testing basis	HP Keymark Scheme Rules rev 8

Model ATLANTIC GEOLIA 17

Model name	ATLANTIC GEOLIA 17
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
ηs	177 %	134 %
Prated	19.00 kW	18.00 kW
SCOP	4.63	3.55
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	17.00 kW	15.70 kW
COP Tj = -7°C	4.48	2.97
Cdh Tj = -7 °C	0.990	0.990
Pdh Tj = +2°C	17.10 kW	16.30 kW
COP Tj = +2°C	4.68	3.58
Cdh Tj = +2 °C	0.990	0.990
Pdh Tj = +7°C	17.20 kW	16.70 kW
COP Tj = +7°C	4.88	3.95
Cdh Tj = +7 °C	0.990	0.990
Pdh Tj = 12°C	17.30 kW	17.00 kW
COP Tj = 12°C	5.08	4.32
Cdh Tj = +12 °C	0.990	0.990
Pdh Tj = Tbiv	17.00 kW	15.70 kW
COP Tj = Tbiv	4.48	2.97

Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	16.50 kW	15.40 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.22	2.74
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	2.70 kW	2.30 kW
Annual energy consumption Qhe	8604 kWh	10337 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
ηs	217 %	176 %
Prated	25.00 kW	23.00 kW
SCOP	5.63	4.60
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	21.80 kW	20.20 kW
COP Tj = -7°C	5.42	3.76
Cdh Tj = -7 °C	0.990	0.990
Pdh Tj = +2°C	22.00 kW	20.80 kW
COP Tj = +2°C	5.68	4.64
Cdh Tj = +2 °C	0.990	0.990
Pdh Tj = +7°C	22.10 kW	21.20 kW
COP Tj = +7°C	5.94	5.18
Cdh Tj = +7 °C	0.990	0.990
Pdh Tj = 12°C	22.80 kW	21.60 kW
COP Tj = 12°C	6.20	5.72
Cdh Tj = +12 °C	0.990	0.990
Pdh Tj = Tbiv	21.80 kW	20.20 kW
COP Tj = Tbiv	5.42	3.76
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	21.70 kW	19.90 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	5.29	3.54

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	3.00 kW	2.90 kW
Annual energy consumption Qhe	9057 kWh	10272 kWh