Subtype ATLANTIC GEOLIA 17

Certificate Holder	Groupe Atlantic
Address	Rue des Fondeurs BP 64
ZIP	59660
City	Merville
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 14511-2 | Heating

	Low temperature	Medium temperature
Heat output	16.63 kW	15.41 kW
El input	3.86 kW	5.50 kW
COP	4.31	2.80

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	19.20 kW	17.70 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
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	2.70 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 14511-2 | Heating

	Low temperature	Medium temperature
Heat output	22.13 kW	20.14 kW
El input	4.25 kW	5.69 kW
COP	5.21	3.54

EN 14825 | Average Climate

	Low temperature	Medium temperature
ηs	217 %	176 %
Prated	24.70 kW	22.80 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
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	3.00 kW	2.90 kW
Annual energy consumption Qhe	9057 kWh	10272 kWh