

This information was generated by the HP KEYMARK database on 22 Jun 2022

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Summary of	ATLANTIC GEOLIA 13	Reg. No.	012-C700082
Certificate Holder			
Name	Groupe Atlantic		
Address	44 boulevard des Etats-Unis	Zip	85000
City	La Roche Sur Yon	Country	France
Certification Body	RISE CERT		
Subtype title	ATLANTIC GEOLIA 13		
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

Configure model	
Model name	ATLANTIC GEOLIA 13
Application	Heating (medium temp)
Units	Indoor
Climate Zone	n/a
Reversibility	No
Cooling mode application (optional)	n/a

General Data	
Power supply	1x230V 50Hz

Brine/Water Heat Pump

### Heating

EN 14511-4	
Starting and operating test	passed
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed

EN 14511-2		
	Low temperature	Medium temperature
Heat output	12.63 kW	11.86 kW
El input	2.91 kW	4.06 kW
COP	4.35	2.92

### Average Climate

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<b>EN 12102-1</b>		
	<b>Low temperature</b>	<b>Medium temperature</b>
Sound power level indoor	55 dB(A)	55 dB(A)

<b>EN 14825</b>		
	<b>Low temperature</b>	<b>Medium temperature</b>
$\eta_s$	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

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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 Heat Pump

## Heating

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<b>EN 14511-4</b>	
Starting and operating test	passed
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed

<b>EN 14511-2</b>		
	<b>Low temperature</b>	<b>Medium temperature</b>
Heat output	16.78 kW	15.59 kW
El input	2.94 kW	4.68 kW
COP	5.70	3.33

## Average Climate

<b>EN 14825</b>		
	<b>Low temperature</b>	<b>Medium temperature</b>
$\eta_s$	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

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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

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Supplementary Heater: PSUP	2.10 kW	2.10 kW
Annual energy consumption Qhe	6912 kWh	7576 kWh