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Login

Summary of	ATLANTIC GEOLIA 7	Reg. No.	012-C700080
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 7		
Heat Pump Type	Brine/Water and Water/Water		
Refrigerant	R410A		
Mass of Refrigerant	0.95 kg		
Certification Date	16.10.2020		
Testing basis	HP Keymark Scheme Rules rev 8		

Model: ATLANTIC GEOLIA 7

Configure model	
Model name	ATLANTIC GEOLIA 7
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	7.02 kW	kW
El input	1.82 kW	kW
COP	3.86	

Average Climate

EN 12102-1		
	Low temperature	**Medium temperature**
Sound power level indoor	57 dB(A)	57 dB(A)

EN 14825		
	Low temperature	**Medium temperature**
η_s	153 %	%
Prated	8.00 kW	kW
SCOP	4.03	
Tbiv	-7 °C	°C
TOL	-10 °C	°C
Pdh Tj = -7°C	7.00 kW	kW
COP Tj = -7°C	3.87	
Cdh Tj = -7 °C	0.990	
Pdh Tj = +2°C	7.20 kW	kW
COP Tj = +2°C	4.05	
Cdh Tj = +2 °C	0.990	
Pdh Tj = +7°C	7.20 kW	kW
COP Tj = +7°C	4.22	
Cdh Tj = +7 °C	0.990	
Pdh Tj = 12°C	7.30 kW	kW

COP Tj = 12°C	4.39	
Cdh Tj = +12 °C	0.990	
Pdh Tj = Tbiv	7.00 kW	kW
COP Tj = Tbiv	3.87	
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.00 kW	kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.78	
WTOL	50 °C	°C
Poff	2 W	W
PTO	14 W	W
PSB	4 W	W
PCK	0 W	W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.90 kW	kW
Annual energy consumption Qhe	4074 kWh	kWh

Water/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	9.35 kW	8.72 kW
El input	1.83 kW	3.04 kW
COP	5.10	2.87

Average Climate

EN 14825		
	Low temperature	**Medium temperature**
η_s	194 %	149 %
Prated	11.00 kW	10.00 kW
SCOP	5.06	3.90
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	9.40 kW	8.50 kW

COP Tj = -7°C	4.80	3.30
Cdh Tj = -7 °C	0.990	0.990
Pdh Tj = +2°C	9.50 kW	8.80 kW
COP Tj = +2°C	5.10	3.90
Cdh Tj = +2 °C	0.990	0.990
Pdh Tj = +7°C	9.60 kW	9.00 kW
COP Tj = +7°C	5.30	4.30
Cdh Tj = +7 °C	0.990	0.990
Pdh Tj = 12°C	9.70 kW	9.20 kW
COP Tj = 12°C	5.60	4.80
Cdh Tj = +12 °C	0.990	0.990
Pdh Tj = Tbiv	9.40 kW	8.50 kW
COP Tj = Tbiv	4.80	3.30
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	9.40 kW	8.30 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.70	3.00
WTOL	55 °C	55 °C
Poff	2 W	2 W
PTO	14 W	14 W
PSB	4 W	4 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity

Supplementary Heater: PSUP	1.20 kW	1.20 kW
Annual energy consumption Qhe	4323 kWh	4997 kWh