

This information was generated by the HP KEYMARK database on 18 Mar 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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EN 12102-1

| | Low temperature | Medium temperature |
|--------------------------|-----------------|--------------------|
| Sound power level indoor | 55 dB(A) | 55 dB(A) |

EN 14825

| | 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 |

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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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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 | 16.78 kW | 15.59 kW |
| El input | 2.94 kW | 4.68 kW |
| COP | 5.70 | 3.33 |

Average Climate

EN 14825

| | 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 |

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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 Q _{he} | 6912 kWh | 7576 kWh |