

This information was generated by the HP KEYMARK database on 18 Mar 2022

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| | | | |
|---------------------|-----------------------------|----------|---------------|
| Summary of | THERMASTAGE Compact 05 | Reg. No. | 012-SC0371-19 |
| 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 | THERMASTAGE Compact 05 | | |
| Heat Pump Type | Outdoor Air/Water | | |
| Refrigerant | R410A | | |
| Mass of Refrigerant | 1.1 kg | | |
| Certification Date | 30.09.2019 | | |

Model: THERMASTAGE Compact Duo 05

Configure model

| | |
|-------------------------------------|----------------------------|
| Model name | THERMASTAGE Compact Duo 05 |
| Application | Heating + DHW + low temp |
| Units | Indoor + Outdoor |
| Climate Zone | n/a |
| Reversibility | No |
| Cooling mode application (optional) | n/a |

General Data

| | |
|----------------|-------------|
| Power supply | 1x230V 50Hz |
| Phase-out Date | 12.03.2024 |

Heating

EN 14511-2

| | Low temperature | Medium temperature |
|-------------|-----------------|--------------------|
| Heat output | 2.58 kW | 3.82 kW |
| El input | 0.48 kW | 1.41 kW |
| COP | 5.19 | 2.64 |

EN 14511-4

| Operating range outdoor exchanger/indoor exchanger lower limit/lower limit | passed |
|--|--------|
| Operating range outdoor exchanger/indoor exchanger upper limit/upper limit | passed |
| Shutting off the heat transfer medium flow | passed |
| Complete power supply failure | passed |
| Defrost test | passed |

Average Climate

| EN 12102-1 | | |
|---------------------------|------------------------|---------------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 44 dB(A) | 44 dB(A) |
| Sound power level outdoor | 62 dB(A) | 62 dB(A) |

| EN 14825 | | |
|-----------------|------------------------|---------------------------|
| | Low temperature | Medium temperature |
| η_s | 181 % | 127 % |
| Prated | 4.00 kW | 4.00 kW |
| SCOP | 4.60 | 3.25 |
| Tbiv | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 3.70 kW | 3.80 kW |
| COP Tj = -7°C | 3.00 | 2.00 |
| Pdh Tj = +2°C | 2.40 kW | 2.50 kW |
| COP Tj = +2°C | 4.50 | 3.20 |
| Pdh Tj = +7°C | 2.00 kW | 1.40 kW |
| COP Tj = +7°C | 6.40 | 4.40 |
| Pdh Tj = 12°C | 2.30 kW | 2.10 kW |
| COP Tj = 12°C | 8.70 | 6.50 |

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| Pdh Tj = Tbiv | 3.70 kW | 3.80 kW |
| COP Tj = Tbiv | 3.00 | 2.00 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 3.40 kW | 3.20 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.60 | 1.60 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.90 | 0.90 |
| WTOL | 55 °C | 55 °C |
| Poff | 9 W | 9 W |
| PTO | 14 W | 14 W |
| PSB | 9 W | 9 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.80 kW | 1.10 kW |
| Annual energy consumption Qhe | 1884 kWh | 2708 kWh |

Domestic Hot Water (DHW)

Average Climate

| EN 16147 | |
|---------------------------------|------------|
| Declared load profile | L |
| Efficiency η_{DHW} | 130 % |
| COP | 3.26 |
| Heating up time | 1:36 h:min |
| Standby power input | 31.0 W |
| Reference hot water temperature | 52.5 °C |
| Mixed water at 40°C | 243 l |

Model: THERMASTAGE Compact Combi 05

Configure model

| | |
|-------------------------------------|------------------------------|
| Model name | THERMASTAGE Compact Combi 05 |
| Application | Heating (medium temp) |
| Units | Indoor + Outdoor |
| Climate Zone | n/a |
| Reversibility | No |
| Cooling mode application (optional) | n/a |

General Data

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| Power supply | 1x230V 50Hz |
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EN 14511-2

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EN 14511-4

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| COP Tj = +2°C | 4.50 | 3.20 |
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