

This information was generated by the HP KEYMARK database on 23 Jun 2022

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| | | | |
|---------------------|--|----------|-------------|
| Summary of | Thermastage Compact Combi 05 | Reg. No. | 012-C700126 |
| 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 Combi 05 | | |
| Heat Pump Type | Outdoor Air/Water | | |
| Refrigerant | R32 | | |
| Mass of Refrigerant | 0.97 kg | | |
| Certification Date | 09.09.2021 | | |
| Testing basis | EN 14511:2018, EN 14825:2018, EN 12102:2017, EN 16147:2017 | | |

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 |

Heating

| EN 14511-2 | | |
|-------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Heat output | 4.60 kW | 4.50 kW |
| El input | 0.95 kW | 1.66 kW |
| COP | 4.83 | 2.72 |

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

Average Climate

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EN 12102-1

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 40 dB(A) | 40 dB(A) |
| Sound power level outdoor | 57 dB(A) | 57 dB(A) |

EN 14825

| | Low temperature | Medium temperature |
|----------------|-----------------|--------------------|
| η_s | 182 % | 128 % |
| Prated | 5.40 kW | 4.80 kW |
| SCOP | 4.61 | 3.29 |
| Tbiv | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 4.80 kW | 4.30 kW |
| COP Tj = -7°C | 3.00 | 2.03 |
| Cdh Tj = -7 °C | 0.990 | 0.990 |
| Pdh Tj = +2°C | 2.90 kW | 2.60 kW |
| COP Tj = +2°C | 4.45 | 3.14 |
| Cdh Tj = +2 °C | 0.980 | 0.980 |
| Pdh Tj = +7°C | 1.90 kW | 2.20 kW |
| COP Tj = +7°C | 6.21 | 4.55 |
| Cdh Tj = +7 °C | 0.960 | 0.970 |

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| | | |
|---|-------------|-------------|
| Pdh Tj = 12°C | 2.40 kW | 2.30 kW |
| COP Tj = 12°C | 7.99 | 6.29 |
| Cdh Tj = +12 °C | 0.960 | 0.960 |
| Pdh Tj = Tbiv | 4.80 kW | 4.30 kW |
| COP Tj = Tbiv | 3.00 | 2.03 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 4.30 kW | 3.90 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.75 | 1.72 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.990 | 0.990 |
| WTOL | 55 °C | 55 °C |
| Poff | 4 W | 4 W |
| PTO | 12 W | 13 W |
| PSB | 10 W | 10 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 1.10 kW | 0.90 kW |
| Annual energy consumption Qhe | 2418 kWh | 3018 kWh |

Domestic Hot Water (DHW)

Average Climate

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| EN 16147 | |
|---------------------------------|------------|
| Declared load profile | L |
| Efficiency η_{DHW} | 132 % |
| COP | 3.30 |
| Heating up time | 1:35 h:min |
| Standby power input | 31.0 W |
| Reference hot water temperature | 52.5 °C |
| Mixed water at 40°C | 245 l |