

This information was generated by the HP KEYMARK database on 21 Jun 2022

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| | | | |
|---------------------|-----------------------------------|----------|---------------|
| Summary of | THERMOR Alféa Extensa A.I. size 8 | Reg. No. | 012-SC0224-19 |
| 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 | THERMOR Alféa Extensa A.I. size 8 | | |
| Heat Pump Type | Outdoor Air/Water | | |
| Refrigerant | R410A | | |
| Mass of Refrigerant | 1.4 kg | | |
| Certification Date | 05.06.2019 | | |

Model: THERMOR Alféa Extensa Duo A.I. 8

Configure model

| | |
|-------------------------------------|----------------------------------|
| Model name | THERMOR Alféa Extensa Duo A.I. 8 |
| 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 14511-4

| | |
|--|--------|
| 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 |

EN 14511-2

| | Low temperature | Medium temperature |
|-------------|-----------------|--------------------|
| Heat output | 7.50 kW | 5.00 kW |
| El input | 1.84 kW | 1.94 kW |
| COP | 4.08 | 2.58 |

Average Climate

| EN 12102-1 | | |
|---------------------------|------------------------|---------------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 46 dB(A) | 46 dB(A) |
| Sound power level outdoor | 69 dB(A) | 69 dB(A) |

| EN 14825 | | |
|-----------------|------------------------|---------------------------|
| | Low temperature | Medium temperature |
| η_s | 156 % | 118 % |
| Prated | 7.00 kW | 6.00 kW |
| SCOP | 3.97 | 3.02 |
| Tbiv | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 5.80 kW | 5.30 kW |
| COP Tj = -7°C | 2.40 | 1.80 |
| Pdh Tj = +2°C | 3.50 kW | 3.10 kW |
| COP Tj = +2°C | 3.80 | 2.90 |
| Pdh Tj = +7°C | 2.30 kW | 2.00 kW |
| COP Tj = +7°C | 5.70 | 4.10 |
| Pdh Tj = 12°C | 2.40 kW | 2.20 kW |
| COP Tj = 12°C | 8.20 | 5.80 |

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| | | |
|---|-------------|-------------|
| Pdh Tj = Tbiv | 5.80 kW | 5.30 kW |
| COP Tj = Tbiv | 2.40 | 1.80 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 5.60 kW | 4.90 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.00 | 1.50 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.90 | 0.90 |
| WTOL | 55 °C | 55 °C |
| Poff | 6 W | 6 W |
| PTO | 30 W | 16 W |
| PSB | 9 W | 9 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.90 kW | 1.20 kW |
| Annual energy consumption Qhe | 3375 kWh | 3836 kWh |

Domestic Hot Water (DHW)

Average Climate

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| EN 16147 | |
|---------------------------------|-------------|
| Declared load profile | L |
| Efficiency η_{DHW} | 120 % |
| COP | 3.00 |
| Heating up time | 01:45 h:min |
| Standby power input | 32.0 W |
| Reference hot water temperature | 54.0 °C |
| Mixed water at 40°C | 249 l |

Model: THERMOR Alféa Extensa A.I. 8

| Configure model | |
|-------------------------------------|------------------------------|
| Model name | THERMOR Alféa Extensa A.I. 8 |
| Application | Heating (medium 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 14511-4 | |
|--|--------|
| 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 |

| EN 14511-2 | | |
|-------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Heat output | 7.50 kW | 5.00 kW |
| El input | 1.84 kW | 1.94 kW |
| COP | 4.08 | 2.58 |

Average Climate

| EN 12102-1 | | |
|---------------------------|------------------------|---------------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 46 dB(A) | 46 dB(A) |
| Sound power level outdoor | 69 dB(A) | 69 dB(A) |

| EN 14825 | | |
|-----------------|------------------------|---------------------------|
| | Low temperature | Medium temperature |
| η_s | 156 % | 118 % |
| Prated | 7.00 kW | 6.00 kW |
| SCOP | 3.97 | 3.02 |
| Tbiv | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 5.80 kW | 5.30 kW |
| COP Tj = -7°C | 2.40 | 1.80 |
| Pdh Tj = +2°C | 3.50 kW | 3.10 kW |
| COP Tj = +2°C | 3.80 | 2.90 |
| Pdh Tj = +7°C | 2.30 kW | 2.00 kW |
| COP Tj = +7°C | 5.70 | 4.10 |
| Pdh Tj = 12°C | 2.40 kW | 2.20 kW |
| COP Tj = 12°C | 8.20 | 5.80 |

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| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.00 | 1.50 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.90 | 0.90 |
| WTOL | 55 °C | 55 °C |
| Poff | 6 W | 6 W |
| PTO | 30 W | 16 W |
| PSB | 9 W | 9 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.90 kW | 1.20 kW |
| Annual energy consumption Qhe | 3375 kWh | 3836 kWh |