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Login

| Summary of | IDEAL HEATING Alféa Extensa A.I. 10 | Reg. No. | 012-SC0140-19 |
|---|---|---|---|
| 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 | IDEAL HEATING Alféa Extensa A.I. 10 | | |
| Heat Pump Type | Outdoor Air/Water | | |
| Refrigerant | R410A | | |
| Mass of Refrigerant | 1.8 kg | | |
| Certification Date | 04.04.2020 | | |

# Model: IDEAL HEATING Alféa Extensa A.I. 10

| Configure model | |
|---|---|
| Model name | IDEAL HEATING Alféa Extensa A.I. 10 |
| 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 | 10.00 kW | 7.00 kW |
| El input | 2.49 kW | 2.86 kW |
| COP | 4.02 | 2.45 |

# 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** |
| $\eta_s$ | 155 % | 113 % |
| Prated | 8.00 kW | 8.00 kW |
| SCOP | 3.95 | 2.90 |
| Tbiv | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 7.50 kW | 6.70 kW |
| COP Tj = -7°C | 2.40 | 1.70 |
| Pdh Tj = +2°C | 4.50 kW | 4.10 kW |
| COP Tj = +2°C | 3.80 | 2.70 |
| Pdh Tj = +7°C | 3.50 kW | 3.20 kW |
| COP Tj = +7°C | 5.70 | 4.10 |
| Pdh Tj = 12°C | 4.00 kW | 4.00 kW |
| COP Tj = 12°C | 7.20 | 5.70 |

| | | |
|---|---|---|
| Pdh Tj = Tbiv | 7.50 kW | 6.70 kW |
| COP Tj = Tbiv | 2.40 | 1.70 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 7.00 kW | 5.90 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.20 | 1.40 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.90 | 0.90 |
| WTOL | 55 °C | 55 °C |
| Poff | 5 W | 5 W |
| PTO | 43 W | 22 W |
| PSB | 8 W | 8 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 1.40 kW | 1.70 kW |
| Annual energy consumption Qhe | 4415 kWh | 5415 kWh |