Login

| Summary of | Alféa Hybrid Duo gaz Tri 14 | Reg. No. | 012-023 |
|---|---|---|---|
| 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 | Alféa Hybrid Duo gaz Tri 14 | | |
| Heat Pump Type | Outdoor Air/Water | | |
| Refrigerant | R410A | | |
| Mass of Refrigerant | 2.5 kg | | |
| Certification Date | 20.12.2016 | | |
| Testing basis | EN 14511:2013, EN 14825:2013, EN 12102:2013 | | |

# Model: Alféa Hybrid Duo Gaz Tri 14

| Configure model | |
|---|---|
| Model name | Alféa Hybrid Duo Gaz Tri 14 |
| Application | Heating (medium temp) |
| Units | Indoor + Outdoor |
| Climate Zone | n/a |
| Reversibility | No |
| Cooling mode application (optional) | n/a |

| General Data | |
|---|---|
| Power supply | 3x400V 50Hz |

## 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 | 13.00 kW | 10.60 kW |
| El input | 3.11 kW | 4.40 kW |
| COP | 4.18 | 2.41 |

## Average Climate

## EN 12102-1

| | Low temperature | Medium temperature |
|---|---|---|
| Sound power level indoor | 46 dB(A) | 46 dB(A) |
| Sound power level outdoor | 68 dB(A) | 68 dB(A) |

## EN 14825

| | Low temperature | Medium temperature |
|---|---|---|
| $\eta_s$ | 150 % | 117 % |
| Prated | 13.00 kW | 11.00 kW |
| SCOP | 3.82 | 3.00 |
| Tbiv | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 11.10 kW | 10.00 kW |
| COP Tj = -7°C | 2.50 | 2.00 |
| Pdh Tj = +2°C | 6.70 kW | 6.10 kW |
| COP Tj = +2°C | 3.70 | 2.90 |
| Pdh Tj = +7°C | 6.20 kW | 5.90 kW |
| COP Tj = +7°C | 5.40 | 4.10 |
| Pdh Tj = 12°C | 7.30 kW | 7.10 kW |
| COP Tj = 12°C | 7.00 | 5.40 |
| Pdh Tj = Tbiv | 11.10 kW | 10.00 kW |

| | | |
|---|---|---|
| COP Tj = Tbiv | 2.50 | 2.00 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 10.80 kW | 9.30 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.40 | 1.60 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.90 | 0.90 |
| WTOL | 80 °C | 80 °C |
| Poff | 14 W | 14 W |
| PTO | 66 W | 43 W |
| PSB | 17 W | 17 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Gas | Gas |
| Supplementary Heater: PSUP | 1.70 kW | 2.00 kW |
| Annual energy consumption Qhe | 6738 kWh | 7803 kWh |

# Model: Alféa Condensol Hybrid Duo Gaz Tri 14

| Configure model | |
|---|---|
| Model name | Alféa Condensol Hybrid Duo Gaz Tri 14 |
| Application | Heating (medium temp) |
| Units | Indoor + Outdoor |
| Climate Zone | n/a |
| Reversibility | No |
| Cooling mode application (optional) | n/a |

| General Data | |
|---|---|
| Power supply | 3x400V 50Hz |

## 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 | 13.00 kW | 10.60 kW |
| El input | 3.11 kW | 4.40 kW |
| COP | 4.18 | 2.41 |

## Average Climate

| EN 12102-1 | | |
|---|---|---|
| | **Low temperature** | **Medium temperature** |
| Sound power level indoor | 46 dB(A) | 46 dB(A) |
| Sound power level outdoor | 68 dB(A) | 68 dB(A) |

| EN 14825 | | |
|---|---|---|
| | **Low temperature** | **Medium temperature** |
| $\eta_s$ | 150 % | 117 % |
| Prated | 13.00 kW | 11.00 kW |
| SCOP | 3.82 | 3.00 |
| Tbiv | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 11.10 kW | 10.00 kW |
| COP Tj = -7°C | 2.50 | 2.00 |
| Pdh Tj = +2°C | 6.70 kW | 6.10 kW |
| COP Tj = +2°C | 3.70 | 2.90 |
| Pdh Tj = +7°C | 6.20 kW | 5.90 kW |
| COP Tj = +7°C | 5.40 | 4.10 |
| Pdh Tj = 12°C | 7.30 kW | 7.10 kW |
| COP Tj = 12°C | 7.00 | 5.40 |
| Pdh Tj = Tbiv | 11.10 kW | 10.00 kW |

| | | |
|---|---|---|
| COP Tj = Tbiv | 2.50 | 2.00 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 10.80 kW | 9.30 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.40 | 1.60 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.90 | 0.90 |
| WTOL | 80 °C | 80 °C |
| Poff | 14 W | 14 W |
| PTO | 66 W | 43 W |
| PSB | 17 W | 17 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Gas | Gas |
| Supplementary Heater: PSUP | 1.70 kW | 2.00 kW |
| Annual energy consumption Qhe | 6738 kWh | 7803 kWh |