

Subtype Alféa Hybrid Duo gaz Tri 11

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|---------------------|--|
| Certificate Holder | Groupe Atlantic |
| Address | Rue des Fondeurs BP 64 |
| ZIP | 59660 |
| City | Merville |
| Country | FR |
| Certification Body | RISE CERT |
| Subtype title | Alféa Hybrid Duo gaz Tri 11 |
| Registration number | 012-022 |
| Heat Pump Type | Outdoor Air/Water |
| Refrigerant | R410A |
| Mass of Refrigerant | 2.5 kg |
| Certification Date | 08.03.2024 |
| Testing basis | EN 14511:2013, EN 14825:2013, EN 12102:2013 |
| Testing laboratory | Centro de Ensayos, Innovación y Servicios (CEIS), ES |

Model Alf  a Hybrid Duo Gaz Tri 11

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|-------------------------------------|------------------------------|
| Model name | Alf  a Hybrid Duo Gaz Tri 11 |
| Application | Heating (medium temp) |
| Units | Indoor, Outdoor |
| Climate zone (for heating) | n/a |
| Cooling mode application (optional) | n/a |
| Any additional heat sources | n/a |

General data

| | |
|------------------|-------------|
| Power supply | 3x400V 50Hz |
| Off-peak product | n/a |

Outdoor Air/Water**EN 14511-4 | Heating**

Shutting off the heat transfer medium flow passed

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|-------------------------------|--------|
| Complete power supply failure | passed |
| Defrost test | passed |

EN 14511-2 | Heating

| | Low temperature | Medium temperature |
|-------------|-----------------|--------------------|
| Heat output | 10.80 kW | 9.29 kW |
| El input | 2.62 kW | 3.52 kW |
| COP | 4.12 | 2.64 |

EN 12102-1 | Average Climate

| | 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 | Average Climate

| | Low temperature | Medium temperature |
|----------------|-----------------|--------------------|
| η_s | 154 % | 112 % |
| Prated | 11.30 kW | 9.30 kW |
| SCOP | 3.92 | 2.87 |
| Tbiv | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 10.00 kW | 8.20 kW |
| COP Tj = -7°C | 2.70 | 1.90 |
| Cdh Tj = -7 °C | 0.900 | 0.900 |
| Pdh Tj = +2°C | 6.10 kW | 5.00 kW |
| COP Tj = +2°C | 3.70 | 2.70 |
| Cdh Tj = +2 °C | 0.900 | 0.900 |
| Pdh Tj = +7°C | 6.20 kW | 5.90 kW |
| COP Tj = +7°C | 5.50 | 3.90 |

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|---|----------|----------|
| Cdh Tj = +7 °C | 0.900 | 0.900 |
| Pdh Tj = 12°C | 7.40 kW | 7.00 kW |
| COP Tj = 12°C | 7.10 | 5.20 |
| Cdh Tj = +12 °C | 0.900 | 0.900 |
| Pdh Tj = Tbiv | 10.00 kW | 8.20 kW |
| COP Tj = Tbiv | 2.70 | 1.90 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 9.90 kW | 8.10 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.30 | 1.60 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.900 | 0.900 |
| WTOL | 80 °C | 80 °C |
| Poff | 14 W | 14 W |
| PTO | 44 W | 32 W |
| PSB | 17 W | 17 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Gas | Gas |
| Supplementary Heater: PSUP | 1.40 kW | 1.20 kW |
| Annual energy consumption Qhe | 5930 kWh | 6669 kWh |