## Subtype Alféa Extensa M 8

| | |
|---|---|
| Certificate Holder | Groupe Atlantic |
| Address | Rue des Fondeurs BP 64 |
| ZIP | 59660 |
| City | Merville |
| Country | FR |
| Certification Body | RISE CERT |
| Subtype title | Alféa Extensa M 8 |
| Registration number | 012-C700213 |
| Heat Pump Type | Outdoor Air/Water |
| Refrigerant | R32 |
| Mass of Refrigerant | 1.47 kg |
| Certification Date | 14.09.2023 |
| Testing basis | EN 14511:2022, EN 16147:2017, EN 14825:2022, EN 12102:2022. |
| Testing laboratory | ACTA INDUSTRIE - Laboratoire Acoustique et Climatique |

## Model Alféa Extensa M Duo 8

| | |
|---|---|
| Model name | Alféa Extensa M Duo 8 |
| Application | Heating + DHW + low 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 | 1x230V 50Hz |
| Off-peak product | n/a |

## Outdoor Air/Water

## EN 16147 | Average Climate

| | |
|---|---|
| Declared load profile | L |
| Efficiency ηDHW | 124 % |
| COP | 3.10 |
| Heating up time | 1:35 h:min |
| Standby power input | 45.0 W |
| Reference hot water temperature | 55.0 °C |
| Mixed water at 40°C | 238 l |

## EN 14511-4 | Heating

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

## EN 14511-2 | Heating

| | Low temperature | Medium temperature |
|---|---|---|
| Heat output | 8.00 kW | 8.00 kW |
| El input | 1.57 kW | 2.62 kW |
| COP | 5.08 | 3.05 |

## EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|---|---|---|
| Sound power level indoor | 40 dB(A) | 40 dB(A) |
| Sound power level outdoor | 56 dB(A) | 56 dB(A) |

## EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|---|---|---|
| ηs | 195 % | 139 % |
| Prated | 9.00 kW | 8.70 kW |

| | | |
|---|---|---|
| SCOP | 4.94 | 3.54 |
| Tbiv | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 8.00 kW | 7.70 kW |
| COP Tj = -7°C | 3.19 | 2.26 |
| Cdh Tj = -7 °C | 0.990 | 0.990 |
| Pdh Tj = +2°C | 4.80 kW | 4.70 kW |
| COP Tj = +2°C | 4.90 | 3.40 |
| Cdh Tj = +2 °C | 0.980 | 0.980 |
| Pdh Tj = +7°C | 3.90 kW | 3.70 kW |
| COP Tj = +7°C | 6.54 | 4.83 |
| Cdh Tj = +7 °C | 0.960 | 0.970 |
| Pdh Tj = 12°C | 4.50 kW | 4.40 kW |
| COP Tj = 12°C | 8.45 | 6.45 |
| Cdh Tj = +12 °C | 0.960 | 0.970 |
| Pdh Tj = Tbiv | 8.00 kW | 7.70 kW |
| COP Tj = Tbiv | 3.19 | 2.26 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 7.90 kW | 7.40 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.79 | 2.01 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.990 | 0.990 |
| WTOL | 60 °C | 60 °C |
| Poff | 13 W | 13 W |
| PTO | 23 W | 23 W |
| PSB | 13 W | 13 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 1.10 kW | 1.30 kW |
| Annual energy consumption Qhe | 3764 kWh | 5078 kWh |

| Model Alféa Extensa M 8 | |
|---|---|
| Model name | Alféa Extensa M 8 |
| 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 | 1x230V 50Hz |
| Off-peak product | n/a |

| Outdoor Air/Water<br>EN 14511-4 \| Heating | |
|---|---|
| Shutting off the heat transfer medium flow | passed |
| Complete power supply failure | passed |
| Defrost test | passed |
| Starting and operating test | passed |

| EN 14511-2 \| Heating | Low temperature | Medium temperature |
|---|---|---|
| Heat output | 8.00 kW | 8.00 kW |
| El input | 1.57 kW | 2.62 kW |
| COP | 5.08 | 3.05 |

| EN 12102-1 \| Average Climate | Low temperature | Medium temperature |
|---|---|---|
| Sound power level indoor | 40 dB(A) | 40 dB(A) |
| Sound power level outdoor | 56 dB(A) | 56 dB(A) |

| EN 14825 \| Average Climate | Low temperature | Medium temperature |
|---|---|---|
| ηs | 195 % | 139 % |
| Prated | 9.00 kW | 8.70 kW |
| SCOP | 4.94 | 3.54 |
| Tbiv | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 8.00 kW | 7.70 kW |
| COP Tj = -7°C | 3.19 | 2.26 |
| Cdh Tj = -7 °C | 0.990 | 0.990 |
| Pdh Tj = +2°C | 4.80 kW | 4.70 kW |
| COP Tj = +2°C | 4.90 | 3.40 |
| Cdh Tj = +2 °C | 0.980 | 0.980 |
| Pdh Tj = +7°C | 3.90 kW | 3.70 kW |

| | | |
|---|---|---|
| COP Tj = +7°C | 6.54 | 4.83 |
| Cdh Tj = +7 °C | 0.960 | 0.970 |
| Pdh Tj = 12°C | 4.50 kW | 4.40 kW |
| COP Tj = 12°C | 8.45 | 6.45 |
| Cdh Tj = +12 °C | 0.960 | 0.970 |
| Pdh Tj = Tbiv | 8.00 kW | 7.70 kW |
| COP Tj = Tbiv | 3.19 | 2.26 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 7.90 kW | 7.40 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.79 | 2.01 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.990 | 0.990 |
| WTOL | 60 °C | 60 °C |
| Poff | 13 W | 13 W |
| PTO | 23 W | 23 W |
| PSB | 13 W | 13 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 1.10 kW | 1.30 kW |
| Annual energy consumption Qhe | 3764 kWh | 5078 kWh |