

Subtype Alféa Excellia M 11

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|---------------------|---|
| Certificate Holder | Groupe Atlantic |
| Address | 44 boulevard des Etats-Unis |
| ZIP | 85000 |
| City | La Roche Sur Yon |
| Country | FR |
| Certification Body | RISE CERT |
| Subtype title | Alféa Excellia M 11 |
| Registration number | 012-C700217 |
| Heat Pump Type | Outdoor Air/Water |
| Refrigerant | R32 |
| Mass of Refrigerant | 1.47 kg |
| Certification Date | 19.09.2023 |
| Testing basis | EN 14511:2022, EN 16147:2017, EN 14825:2022, EN 12102:2022. |

Model Alféa Excellia M 11

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|-------------------------------------|-----------------------|
| Model name | Alféa Excellia M 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

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|------------------|-------------|
| Power supply | 1x230V 50Hz |
| Off-peak product | n/a |

Outdoor Air/Water

EN 14511-4 | Heating

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

EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 40 dB(A) | 40 dB(A) |
| Sound power level outdoor | 57 dB(A) | 57 dB(A) |

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|-----------------|-----------------|--------------------|
| η_s | 195 % | 141 % |
| Prated | 10.20 kW | 9.90 kW |
| SCOP | 4.94 | 3.60 |
| Tbiv | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 9.00 kW | 8.80 kW |
| COP Tj = -7°C | 3.06 | 2.16 |
| Cdh Tj = -7 °C | 0.990 | 0.990 |
| Pdh Tj = +2°C | 5.50 kW | 5.30 kW |
| COP Tj = +2°C | 4.92 | 3.53 |
| Cdh Tj = +2 °C | 0.980 | 0.980 |
| Pdh Tj = +7°C | 4.00 kW | 3.70 kW |
| COP Tj = +7°C | 6.61 | 4.87 |
| Cdh Tj = +7 °C | 0.960 | 0.970 |
| Pdh Tj = 12°C | 4.50 kW | 4.40 kW |
| COP Tj = 12°C | 8.30 | 6.74 |
| Cdh Tj = +12 °C | 0.960 | 0.960 |
| Pdh Tj = Tbiv | 9.00 kW | 8.80 kW |
| COP Tj = Tbiv | 3.06 | 2.16 |

| | | |
|---|-------------|-------------|
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 9.00 kW | 8.00 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.71 | 1.94 |
| 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 | 1.20 kW | 1.90 kW |
| Annual energy consumption Qhe | 4269 kWh | 5685 kWh |

Model Alféa Excellia M Duo 11

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|-------------------------------------|--------------------------|
| Model name | Alféa Excellia M Duo 11 |
| 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 η_{DHW} | 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 |