

This information was generated by the HP KEYMARK database on 17 Dec 2020

| | | | |
|----------------------------|-----------------------------|----------|---------|
| Summary of | Alféa Excellia 14 | Reg. No. | 012-001 |
| Certificate Holder | | | |
| Name | Groupe Atlantic | | |
| Address | 44 boulevard des Etats-Unis | Zip | 85000 |
| City | La Roche Sur Yon | Country | France |
| Certification Body | RISE CERT | | |
| Name of testing laboratory | SP | | |
| Subtype title | Alféa Excellia 14 | | |
| Heat Pump Type | Outdoor Air/Water | | |
| Refrigerant | R410a | | |
| Mass Of Refrigerant | 2.5 kg | | |

Model: Alféa Excellia 14

General Data

| | |
|--------------|-------------|
| Power supply | 1x230V 50Hz |
|--------------|-------------|

Heating

EN 14511-2

| | Low temperature | Medium temperature |
|------------------------|------------------------|------------------------|
| Heat output | 13.50 kW | 9.48 kW |
| El input | 3.23 kW | 3.95 kW |
| COP | 4.18 | 2.40 |
| Indoor water flow rate | 2.30 m ³ /h | 1.05 m ³ /h |

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 |

Average Climate

This information was generated by the HP KEYMARK database on 17 Dec 2020

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 |
|---------------|-----------------|--------------------|
| η_s | 148 % | 113 % |
| Prated | 13.00 kW | 11.00 kW |
| SCOP | 3.77 | 2.90 |
| 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 | 1.90 |
| Pdh Tj = +2°C | 6.70 kW | 6.10 kW |
| COP Tj = +2°C | 3.60 | 2.80 |
| Pdh Tj = +7°C | 6.20 kW | 5.90 kW |
| COP Tj = +7°C | 5.40 | 3.90 |
| Pdh Tj = 12°C | 7.30 kW | 7.10 kW |
| COP Tj = 12°C | 6.90 | 5.10 |
| Pdh Tj = Tbiv | 11.10 kW | 10.00 kW |

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| | | |
|--|-------------|-------------|
| COP Tj = Tbiv | 2.50 | 1.90 |
| Pdh Tj = TOL | 10.80 kW | 9.30 kW |
| COP Tj = TOL | 2.40 | 1.70 |
| Cdh | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| Poff | 8 W | 8 W |
| PTO | 72 W | 25 W |
| PSB | 12 W | 12 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | electricity | electricity |
| Supplementary Heater: PSUP | 1.70 kW | 2.10 kW |
| Annual energy consumption Qhe | 6824 kWh | 8041 kWh |

Model: Alféa Excellia A.I. 14

General Data

| | |
|--------------|-------------|
| Power supply | 1x230V 50Hz |
|--------------|-------------|

Heating

EN 14511-2

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|------------------------|------------------------|------------------------|
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| COP $T_j = T_{biv}$ | 2.50 | 1.90 |
| P _{dh} $T_j = TOL$ | 10.80 kW | 9.30 kW |
| COP $T_j = TOL$ | 2.40 | 1.70 |
| C _{dh} | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| P _{off} | 8 W | 8 W |
| PTO | 72 W | 25 W |
| PSB | 12 W | 12 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | electricity | electricity |
| Supplementary Heater: PSUP | 1.70 kW | 2.10 kW |
| Annual energy consumption Q _{he} | 6824 kWh | 8041 kWh |

Model: Alf a Excellia Duo 14

General Data

| | |
|--------------|-------------|
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|--------------|-------------|

Heating

EN 14511-2

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Domestic Hot Water (DHW)

Average Climate

This information was generated by the HP KEYMARK database on 17 Dec 2020

| EN 16147 | |
|---------------------------------|------------|
| Declared load profile | L |
| Efficiency η_{DHW} | 88 % |
| Heating up time | 0:46 h:min |
| Standby power input | 40.0 W |
| Reference hot water temperature | 54.0 °C |
| Mixed water at 40°C | 250 l |
| COP | 2.25 |

Model: Alféa Excellia Duo A.I. 14

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