

## Subtype Alféa Excellia M 8

|                     |   |
|---------------------|---|
| 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 8  |
| Registration number | 012-C700216   |
| 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 8

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

### 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 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 |
|-----------------|-----------------|--------------------|
| $\eta_s$        | 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 Excellia M Duo 8

|                                     |                          |
|-------------------------------------|--------------------------|
| Model name                          | Alféa Excellia 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 $\eta_{DHW}$         | 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      |