

## Subtype IDEAL HEATING Alféa Extensa A.I. 5 R32

|                     |                                             |
|---------------------|---------------------------------------------|
| 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       | IDEAL HEATING Alféa Extensa A.I. 5 R32      |
| Registration number | 012-C700012                                 |
| Heat Pump Type      | Outdoor Air/Water                           |
| Refrigerant         | R32                                         |
| Mass of Refrigerant | 0.97 kg                                     |
| Certification Date  | 04.03.2020                                  |
| Testing basis       | EN 14511:2018, EN 14825:2016, EN 12102:2017 |

## Model IDEAL HEATING Alféa Extensa A.I. 5 R32

|                                     |                                        |
|-------------------------------------|----------------------------------------|
| Model name                          | IDEAL HEATING Alféa Extensa A.I. 5 R32 |
| 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 |
| Starting and operating test                | passed |

#### EN 14511-2 | Heating

|             | Low temperature | Medium temperature |
|-------------|-----------------|--------------------|
| Heat output | 4.50 kW         | 4.50 kW            |
| El input    | 0.95 kW         | 1.70 kW            |
| COP         | 4.74            | 2.64               |

#### 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 |
|----------------|-----------------|--------------------|
| $\eta_s$       | 175 %           | 125 %              |
| Prated         | 5.00 kW         | 4.70 kW            |
| SCOP           | 4.45            | 3.20               |
| Tbiv           | -7 °C           | -7 °C              |
| TOL            | -10 °C          | -10 °C             |
| Pdh Tj = -7°C  | 4.40 kW         | 4.20 kW            |
| COP Tj = -7°C  | 2.84            | 1.99               |
| Cdh Tj = -7 °C | 0.960           | 0.970              |
| Pdh Tj = +2°C  | 2.70 kW         | 2.50 kW            |
| COP Tj = +2°C  | 4.40            | 3.11               |
| Cdh Tj = +2 °C | 0.960           | 0.970              |
| Pdh Tj = +7°C  | 2.10 kW         | 1.90 kW            |
| COP Tj = +7°C  | 5.85            | 4.25               |

|                                                     |             |             |
|-----------------------------------------------------|-------------|-------------|
| Cdh Tj = +7  C                                      | 0.960       | 0.970       |
| Pdh Tj = 12 C                                       | 2.40 kW     | 2.30 kW     |
| COP Tj = 12 C                                       | 7.39        | 5.91        |
| Cdh Tj = +12  C                                     | 0.960       | 0.970       |
| Pdh Tj = Tbiv                                       | 4.40 kW     | 4.20 kW     |
| COP Tj = Tbiv                                       | 2.84        | 1.99        |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 4.00 kW     | 3.80 kW     |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.68        | 1.71        |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh |             |             |
| WTOL                                                | 55  C       | 55  C       |
| Poff                                                | 4 W         | 4 W         |
| PTO                                                 | 12 W        | 13 W        |
| PSB                                                 | 10 W        | 10 W        |
| PCK                                                 | 0 W         | 0 W         |
| Supplementary Heater: Type of energy input          | Electricity | Electricity |
| Supplementary Heater: PSUP                          | 1.00 kW     | 0.90 kW     |
| Annual energy consumption Qhe                       | 2322 kWh    | 3035 kWh    |