

## Subtype IDEAL HEATING Alféa extensa A.I. 10 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. 10 R32 |
| Registration number | 012-C700103                             |
| Heat Pump Type      | Outdoor Air/Water                       |
| Refrigerant         | R32                                     |
| Mass of Refrigerant | 1.63 kg                                 |
| Certification Date  | 27.04.2021                              |
| Testing basis       | HP Keymark Scheme Rules rev 8           |

## Model IDEAL HEATING Alf a extensa A.I. 10 R32

|                                     |   |
|-------------------------------------|---|
| Model name                          | IDEAL HEATING Alf a extensa A.I. 10 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 |
| 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 | 62 dB(A)        | 62 dB(A)           |

## EN 14825 | Average Climate

|                 | Low temperature | Medium temperature |
|-----------------|-----------------|--------------------|
| $\eta_s$        | 178 %           | 130 %              |
| Prated          | 8.50 kW         | 8.20 kW            |
| SCOP            | 4.53            | 3.33               |
| Tbiv            | -7  C           | -7  C              |
| TOL             | -10  C          | -10  C             |
| Pdh Tj = -7 C   | 7.50 kW         | 7.30 kW            |
| COP Tj = -7 C   | 2.98            | 2.05               |
| Cdh Tj = -7  C  | 0.990           | 0.990              |
| Pdh Tj = +2 C   | 4.60 kW         | 4.40 kW            |
| COP Tj = +2 C   | 4.46            | 3.24               |
| Cdh Tj = +2  C  | 0.980           | 0.980              |
| Pdh Tj = +7 C   | 3.90 kW         | 3.50 kW            |
| COP Tj = +7 C   | 5.89            | 4.60               |
| Cdh Tj = +7  C  | 0.970           | 0.970              |
| Pdh Tj = 12 C   | 4.40 kW         | 4.30 kW            |
| COP Tj = 12 C   | 7.14            | 5.97               |
| Cdh Tj = +12  C | 0.970           | 0.970              |
| Pdh Tj = Tbiv   | 7.50 kW         | 7.30 kW            |
| COP Tj = Tbiv   | 2.98            | 2.05               |

|   |             |             |
|---|-------------|-------------|
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 7.30 kW     | 7.10 kW     |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.71        | 1.72        |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.990       | 0.990       |
| WTOL  | 55  C       | 55  C       |
| Poff  | 4 W         | 4 W         |
| PTO   | 20 W        | 21 W        |
| PSB   | 8 W         | 8 W         |
| PCK   | 0 W         | 0 W         |
| Supplementary Heater: Type of energy input          | Electricity | Electricity |
| Supplementary Heater: PSUP                          | 1.20 kW     | 1.10 kW     |
| Annual energy consumption Qhe                       | 3875 kWh    | 5083 kWh    |