

## Subtype IDEAL HEATING Alféa Extensa A.I. 6 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. 6 R32 |
| Registration number | 012-C700013                            |
| Heat Pump Type      | Outdoor Air/Water                      |
| Refrigerant         | R32                                    |
| Mass of Refrigerant | 0.97 kg                                |
| Certification Date  | 04.03.2020                             |
| Testing basis       | HP Keymark Scheme Rules rev 7          |

## Model IDEAL HEATING Alf a Extensa A.I. 6 R32

|                                     |                                        |
|-------------------------------------|----------------------------------------|
| Model name                          | IDEAL HEATING Alf a Extensa A.I. 6 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 14511-2 | Heating

|             | Low temperature | Medium temperature |
|-------------|-----------------|--------------------|
| Heat output | 5.50 kW         | 5.50 kW            |
| El input    | 1.18 kW         | 2.06 kW            |
| COP         | 4.65            | 2.67               |

## 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         | 6.00 kW         | 5.00 kW            |
| SCOP           | 4.46            | 3.21               |
| Tbiv           | -7  C           | -7  C              |
| TOL            | -10  C          | -10  C             |
| Pdh Tj = -7 C  | 5.00 kW         | 4.70 kW            |
| COP Tj = -7 C  | 2.74            | 1.97               |
| Cdh Tj = -7  C | 0.96            | 0.97               |
| Pdh Tj = +2 C  | 3.00 kW         | 2.90 kW            |
| COP Tj = +2 C  | 4.68            | 3.11               |
| Cdh Tj = +2  C | 0.96            | 0.97               |
| Pdh Tj = +7 C  | 2.10 kW         | 1.80 kW            |

|                                                     |             |             |
|-----------------------------------------------------|-------------|-------------|
| COP Tj = +7 C                                       | 6.04        | 4.29        |
| Cdh Tj = +7  C                                      | 0.96        | 0.97        |
| Pdh Tj = 12 C                                       | 2.40 kW     | 2.30 kW     |
| COP Tj = 12 C                                       | 7.43        | 6.06        |
| Cdh Tj = +12  C                                     | 0.96        | 0.97        |
| Pdh Tj = Tbiv                                       | 5.00 kW     | 4.70 kW     |
| COP Tj = Tbiv                                       | 2.74        | 1.97        |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 4.50 kW     | 4.00 kW     |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.67        | 1.73        |
| 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                          | 1.10 kW     | 1.30 kW     |
| Annual energy consumption Qhe                       | 2594 kWh    | 3411 kWh    |