

## Subtype Alféa Extensa +13

|                     |                             |
|---------------------|-----------------------------|
| 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 Extensa +13           |
| Registration number | 012-011                     |
| Heat Pump Type      | Outdoor Air/Water           |
| Refrigerant         | R410A                       |
| Mass of Refrigerant | 2.5 kg                      |

## Model Alféa Extensa +13

|                                     |                       |
|-------------------------------------|-----------------------|
| Model name                          | Alféa Extensa +13     |
| 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 |

### EN 14511-2 | Heating

|             | Low temperature | Medium temperature |
|-------------|-----------------|--------------------|
| Heat output | 14.01 kW        | 7.84 kW            |
| El input    | 3.50 kW         | 3.25 kW            |
| COP         | 4.00            | 2.41               |

### EN 12102-1 | Average Climate

|                           | 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 | Average Climate

|               | Low temperature | Medium temperature |
|---------------|-----------------|--------------------|
| $\eta_s$      | 151 %           | 109 %              |
| Prated        | 11.00 kW        | 8.00 kW            |
| SCOP          | 3.85            | 2.80               |
| Tbiv          | -7 °C           | -7 °C              |
| TOL           | -10 °C          | -10 °C             |
| Pdh Tj = -7°C | 10.00 kW        | 8.20 kW            |
| COP Tj = -7°C | 2.60            | 1.90               |
| Pdh Tj = +2°C | 6.10 kW         | 5.00 kW            |
| COP Tj = +2°C | 3.70            | 2.70               |
| Pdh Tj = +7°C | 6.20 kW         | 5.90 kW            |
| COP Tj = +7°C | 5.30            | 3.80               |
| Pdh Tj = 12°C | 7.40 kW         | 7.00 kW            |
| COP Tj = 12°C | 6.90            | 4.80               |

|                                                     |             |             |
|-----------------------------------------------------|-------------|-------------|
| Pdh Tj = Tbiv                                       | 10.00 kW    | 8.20 kW     |
| COP Tj = Tbiv                                       | 2.60        | 1.90        |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 10.00 kW    | 8.00 kW     |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.20        | 1.70        |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.90        | 0.90        |
| WTOL                                                | 55 °C       | 55 °C       |
| Poff                                                | 8 W         | 8 W         |
| PTO                                                 | 45 W        | 22 W        |
| PSB                                                 | 12 W        | 12 W        |
| PCK                                                 | 0 W         | 0 W         |
| Supplementary Heater: Type of energy input          | Electricity | Electricity |
| Supplementary Heater: PSUP                          | 1.30 kW     | 1.30 kW     |
| Annual energy consumption Qhe                       | 6062 kWh    | 6842 kWh    |

## Model Alféa Extensa A.I. 13

|                                     |                       |
|-------------------------------------|-----------------------|
| Model name                          | Alféa Extensa A.I. 13 |
| 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 |

### EN 14511-2 | Heating

|             | Low temperature | Medium temperature |
|-------------|-----------------|--------------------|
| Heat output | 14.01 kW        | 7.84 kW            |
| El input    | 3.50 kW         | 3.25 kW            |
| COP         | 4.00            | 2.41               |

### EN 12102-1 | Average Climate

|                           | 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 | Average Climate

|               | Low temperature | Medium temperature |
|---------------|-----------------|--------------------|
| $\eta_s$      | 151 %           | 109 %              |
| Prated        | 11.00 kW        | 8.00 kW            |
| SCOP          | 3.85            | 2.80               |
| Tbiv          | -7 °C           | -7 °C              |
| TOL           | -10 °C          | -10 °C             |
| Pdh Tj = -7°C | 10.00 kW        | 8.20 kW            |
| COP Tj = -7°C | 2.60            | 1.90               |
| Pdh Tj = +2°C | 6.10 kW         | 5.00 kW            |
| COP Tj = +2°C | 3.70            | 2.70               |
| Pdh Tj = +7°C | 6.20 kW         | 5.90 kW            |
| COP Tj = +7°C | 5.30            | 3.80               |
| Pdh Tj = 12°C | 7.40 kW         | 7.00 kW            |
| COP Tj = 12°C | 6.90            | 4.80               |

|                                                     |             |             |
|-----------------------------------------------------|-------------|-------------|
| Pdh Tj = Tbiv                                       | 10.00 kW    | 8.20 kW     |
| COP Tj = Tbiv                                       | 2.60        | 1.90        |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 10.00 kW    | 8.00 kW     |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.20        | 1.70        |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.90        | 0.90        |
| WTOL                                                | 55 °C       | 55 °C       |
| Poff                                                | 8 W         | 8 W         |
| PTO                                                 | 45 W        | 22 W        |
| PSB                                                 | 12 W        | 12 W        |
| PCK                                                 | 0 W         | 0 W         |
| Supplementary Heater: Type of energy input          | Electricity | Electricity |
| Supplementary Heater: PSUP                          | 1.30 kW     | 1.30 kW     |
| Annual energy consumption Qhe                       | 6062 kWh    | 6842 kWh    |