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|                     |                             |          |         |
|---------------------|-----------------------------|----------|---------|
| Summary of          | Alféa Extensa +6            | Reg. No. | 012-008 |
| Certificate Holder  |                             |          |         |
| Name                | Groupe Atlantic             |          |         |
| Address             | 44 boulevard des Etats-Unis | Zip      | 85000   |
| City                | La Roche Sur Yon            | Country  | France  |
| Certification Body  | RISE CERT                   |          |         |
| Subtype title       | Alféa Extensa +6            |          |         |
| Heat Pump Type      | Outdoor Air/Water           |          |         |
| Refrigerant         | R410A                       |          |         |
| Mass of Refrigerant | 1.1 kg                      |          |         |

## Model: Alféa Extensa +6

| Configure model                     |                       |
|-------------------------------------|-----------------------|
| Model name                          | Alféa Extensa +6      |
| Application                         | Heating (medium temp) |
| Units                               | Indoor + Outdoor      |
| Climate Zone                        | n/a                   |
| Reversibility                       | No                    |
| Cooling mode application (optional) | n/a                   |

| General Data   |             |
|----------------|-------------|
| Power supply   | 1x230V 50Hz |
| Phase-out Date | 12.03.2024  |

### Heating

| EN 14511-4                                                                 |        |
|----------------------------------------------------------------------------|--------|
| Operating range outdoor exchanger/indoor exchanger lower limit/lower limit | passed |
| Operating range outdoor exchanger/indoor exchanger upper limit/upper limit | passed |
| Shutting off the heat transfer medium flow                                 | passed |
| Complete power supply failure                                              | passed |
| Defrost test                                                               | passed |

| EN 14511-2  |                 |                    |
|-------------|-----------------|--------------------|
|             | Low temperature | Medium temperature |
| Heat output | 6.00 kW         | 4.50 kW            |
| El input    | 1.41 kW         | 1.79 kW            |
| COP         | 4.26            | 2.51               |

## Average Climate

| <b>EN 12102-1</b>         |                        |                           |
|---------------------------|------------------------|---------------------------|
|                           | <b>Low temperature</b> | <b>Medium temperature</b> |
| Sound power level indoor  | 46 dB(A)               | 46 dB(A)                  |
| Sound power level outdoor | 63 dB(A)               | 63 dB(A)                  |

| <b>EN 14825</b> |                        |                           |
|-----------------|------------------------|---------------------------|
|                 | <b>Low temperature</b> | <b>Medium temperature</b> |
| $\eta_s$        | 169 %                  | 115 %                     |
| Prated          | 5.00 kW                | 5.00 kW                   |
| SCOP            | 4.30                   | 2.95                      |
| Tbiv            | -7 °C                  | -7 °C                     |
| TOL             | -10 °C                 | -10 °C                    |
| Pdh Tj = -7°C   | 4.60 kW                | 4.00 kW                   |
| COP Tj = -7°C   | 2.70                   | 1.80                      |
| Pdh Tj = +2°C   | 2.80 kW                | 2.50 kW                   |
| COP Tj = +2°C   | 4.20                   | 2.90                      |
| Pdh Tj = +7°C   | 2.30 kW                | 1.70 kW                   |
| COP Tj = +7°C   | 6.00                   | 4.00                      |
| Pdh Tj = 12°C   | 2.30 kW                | 2.10 kW                   |
| COP Tj = 12°C   | 8.30                   | 5.80                      |

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|                                                     |             |             |
|-----------------------------------------------------|-------------|-------------|
| Pdh Tj = Tbiv                                       | 4.60 kW     | 4.00 kW     |
| COP Tj = Tbiv                                       | 2.70        | 1.80        |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 4.50 kW     | 3.50 kW     |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.60        | 1.60        |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.90        | 0.90        |
| WTOL                                                | 55 °C       | 55 °C       |
| Poff                                                | 6 W         | 6 W         |
| PTO                                                 | 23 W        | 16 W        |
| PSB                                                 | 10 W        | 10 W        |
| PCK                                                 | 0 W         | 0 W         |
| Supplementary Heater: Type of energy input          | Electricity | Electricity |
| Supplementary Heater: PSUP                          | 0.70 kW     | 1.00 kW     |
| Annual energy consumption Qhe                       | 2505 kWh    | 3180 kWh    |

## Model: Alféa Extensa Duo +6

| Configure model                     |                          |
|-------------------------------------|--------------------------|
| Model name                          | Alféa Extensa Duo +6     |
| Application                         | Heating + DHW + low temp |
| Units                               | Indoor + Outdoor         |
| Climate Zone                        | n/a                      |
| Reversibility                       | No                       |
| Cooling mode application (optional) | n/a                      |

| General Data   |             |
|----------------|-------------|
| Power supply   | 1x230V 50Hz |
| Phase-out Date | 12.03.2024  |

### Heating

| EN 14511-4                                                                 |        |
|----------------------------------------------------------------------------|--------|
| Operating range outdoor exchanger/indoor exchanger lower limit/lower limit | passed |
| Operating range outdoor exchanger/indoor exchanger upper limit/upper limit | passed |
| Shutting off the heat transfer medium flow                                 | passed |
| Complete power supply failure                                              | passed |
| Defrost test                                                               | passed |

| EN 14511-2  |                 |                    |
|-------------|-----------------|--------------------|
|             | Low temperature | Medium temperature |
| Heat output | 6.00 kW         | 4.50 kW            |
| El input    | 1.41 kW         | 1.79 kW            |
| COP         | 4.26            | 2.51               |

## Average Climate

| <b>EN 12102-1</b>         |                        |                           |
|---------------------------|------------------------|---------------------------|
|                           | <b>Low temperature</b> | <b>Medium temperature</b> |
| Sound power level indoor  | 46 dB(A)               | 46 dB(A)                  |
| Sound power level outdoor | 63 dB(A)               | 63 dB(A)                  |

| <b>EN 14825</b> |                        |                           |
|-----------------|------------------------|---------------------------|
|                 | <b>Low temperature</b> | <b>Medium temperature</b> |
| $\eta_s$        | 169 %                  | 115 %                     |
| Prated          | 5.00 kW                | 5.00 kW                   |
| SCOP            | 4.30                   | 2.95                      |
| Tbiv            | -7 °C                  | -7 °C                     |
| TOL             | -10 °C                 | -10 °C                    |
| Pdh Tj = -7°C   | 4.60 kW                | 4.00 kW                   |
| COP Tj = -7°C   | 2.70                   | 1.80                      |
| Pdh Tj = +2°C   | 2.80 kW                | 2.50 kW                   |
| COP Tj = +2°C   | 4.20                   | 2.90                      |
| Pdh Tj = +7°C   | 2.30 kW                | 1.70 kW                   |
| COP Tj = +7°C   | 6.00                   | 4.00                      |
| Pdh Tj = 12°C   | 2.30 kW                | 2.10 kW                   |
| COP Tj = 12°C   | 8.30                   | 5.80                      |

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|                                                     |             |             |
|-----------------------------------------------------|-------------|-------------|
| Pdh Tj = Tbiv                                       | 4.60 kW     | 4.00 kW     |
| COP Tj = Tbiv                                       | 2.70        | 1.80        |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 4.50 kW     | 3.50 kW     |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.60        | 1.60        |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.90        | 0.90        |
| WTOL                                                | 55 °C       | 55 °C       |
| Poff                                                | 6 W         | 6 W         |
| PTO                                                 | 23 W        | 16 W        |
| PSB                                                 | 10 W        | 10 W        |
| PCK                                                 | 0 W         | 0 W         |
| Supplementary Heater: Type of energy input          | Electricity | Electricity |
| Supplementary Heater: PSUP                          | 0.70 kW     | 1.00 kW     |
| Annual energy consumption Qhe                       | 2505 kWh    | 3180 kWh    |

## Domestic Hot Water (DHW)

### Average Climate

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| <b>EN 16147</b>                 |            |
|---------------------------------|------------|
| Declared load profile           | L          |
| Efficiency $\eta_{DHW}$         | 120 %      |
| COP                             | 3.00       |
| Heating up time                 | 1:45 h:min |
| Standby power input             | 32.0 W     |
| Reference hot water temperature | 54.0 °C    |
| Mixed water at 40°C             | 249 l      |



## Model: Alféa Extensa A.I. 6

| Configure model                     |                       |
|-------------------------------------|-----------------------|
| Model name                          | Alféa Extensa A.I. 6  |
| Application                         | Heating (medium temp) |
| Units                               | Indoor + Outdoor      |
| Climate Zone                        | n/a                   |
| Reversibility                       | No                    |
| Cooling mode application (optional) | n/a                   |

| General Data   |             |
|----------------|-------------|
| Power supply   | 1x230V 50Hz |
| Phase-out Date | 12.03.2024  |

### Heating

| EN 14511-4                                                                 |        |
|----------------------------------------------------------------------------|--------|
| Operating range outdoor exchanger/indoor exchanger lower limit/lower limit | passed |
| Operating range outdoor exchanger/indoor exchanger upper limit/upper limit | passed |
| Shutting off the heat transfer medium flow                                 | passed |
| Complete power supply failure                                              | passed |
| Defrost test                                                               | passed |

| EN 14511-2  |                 |                    |
|-------------|-----------------|--------------------|
|             | Low temperature | Medium temperature |
| Heat output | 6.00 kW         | 4.50 kW            |
| El input    | 1.41 kW         | 1.79 kW            |
| COP         | 4.26            | 2.51               |

## Average Climate

| <b>EN 12102-1</b>         |                        |                           |
|---------------------------|------------------------|---------------------------|
|                           | <b>Low temperature</b> | <b>Medium temperature</b> |
| Sound power level indoor  | 46 dB(A)               | 46 dB(A)                  |
| Sound power level outdoor | 63 dB(A)               | 63 dB(A)                  |

| <b>EN 14825</b> |                        |                           |
|-----------------|------------------------|---------------------------|
|                 | <b>Low temperature</b> | <b>Medium temperature</b> |
| $\eta_s$        | 169 %                  | 115 %                     |
| Prated          | 5.00 kW                | 5.00 kW                   |
| SCOP            | 4.30                   | 2.95                      |
| Tbiv            | -7 °C                  | -7 °C                     |
| TOL             | -10 °C                 | -10 °C                    |
| Pdh Tj = -7°C   | 4.60 kW                | 4.00 kW                   |
| COP Tj = -7°C   | 2.70                   | 1.80                      |
| Pdh Tj = +2°C   | 2.80 kW                | 2.50 kW                   |
| COP Tj = +2°C   | 4.20                   | 2.90                      |
| Pdh Tj = +7°C   | 2.30 kW                | 1.70 kW                   |
| COP Tj = +7°C   | 6.00                   | 4.00                      |
| Pdh Tj = 12°C   | 2.30 kW                | 2.10 kW                   |
| COP Tj = 12°C   | 8.30                   | 5.80                      |

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|                                                     |             |             |
|-----------------------------------------------------|-------------|-------------|
| Pdh Tj = Tbiv                                       | 4.60 kW     | 4.00 kW     |
| COP Tj = Tbiv                                       | 2.70        | 1.80        |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 4.50 kW     | 3.50 kW     |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.60        | 1.60        |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.90        | 0.90        |
| WTOL                                                | 55 °C       | 55 °C       |
| Poff                                                | 6 W         | 6 W         |
| PTO                                                 | 23 W        | 16 W        |
| PSB                                                 | 10 W        | 10 W        |
| PCK                                                 | 0 W         | 0 W         |
| Supplementary Heater: Type of energy input          | Electricity | Electricity |
| Supplementary Heater: PSUP                          | 0.70 kW     | 1.00 kW     |
| Annual energy consumption Qhe                       | 2505 kWh    | 3180 kWh    |

## Model: Alféa Extensa Duo A.I. 6

| Configure model                     |                          |
|-------------------------------------|--------------------------|
| Model name                          | Alféa Extensa Duo A.I. 6 |
| Application                         | Heating + DHW + low temp |
| Units                               | Indoor + Outdoor         |
| Climate Zone                        | n/a                      |
| Reversibility                       | No                       |
| Cooling mode application (optional) | n/a                      |

| General Data   |             |
|----------------|-------------|
| Power supply   | 1x230V 50Hz |
| Phase-out Date | 12.03.2024  |

### Heating

| EN 14511-4                                                                 |        |
|----------------------------------------------------------------------------|--------|
| Operating range outdoor exchanger/indoor exchanger lower limit/lower limit | passed |
| Operating range outdoor exchanger/indoor exchanger upper limit/upper limit | passed |
| Shutting off the heat transfer medium flow                                 | passed |
| Complete power supply failure                                              | passed |
| Defrost test                                                               | passed |

| EN 14511-2  |                 |                    |
|-------------|-----------------|--------------------|
|             | Low temperature | Medium temperature |
| Heat output | 6.00 kW         | 4.50 kW            |
| El input    | 1.41 kW         | 1.79 kW            |
| COP         | 4.26            | 2.51               |

## Average Climate

| <b>EN 12102-1</b>         |                        |                           |
|---------------------------|------------------------|---------------------------|
|                           | <b>Low temperature</b> | <b>Medium temperature</b> |
| Sound power level indoor  | 46 dB(A)               | 46 dB(A)                  |
| Sound power level outdoor | 63 dB(A)               | 63 dB(A)                  |

| <b>EN 14825</b> |                        |                           |
|-----------------|------------------------|---------------------------|
|                 | <b>Low temperature</b> | <b>Medium temperature</b> |
| $\eta_s$        | 169 %                  | 115 %                     |
| Prated          | 5.00 kW                | 5.00 kW                   |
| SCOP            | 4.30                   | 2.95                      |
| Tbiv            | -7 °C                  | -7 °C                     |
| TOL             | -10 °C                 | -10 °C                    |
| Pdh Tj = -7°C   | 4.60 kW                | 4.00 kW                   |
| COP Tj = -7°C   | 2.70                   | 1.80                      |
| Pdh Tj = +2°C   | 2.80 kW                | 2.50 kW                   |
| COP Tj = +2°C   | 4.20                   | 2.90                      |
| Pdh Tj = +7°C   | 2.30 kW                | 1.70 kW                   |
| COP Tj = +7°C   | 6.00                   | 4.00                      |
| Pdh Tj = 12°C   | 2.30 kW                | 2.10 kW                   |
| COP Tj = 12°C   | 8.30                   | 5.80                      |

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|                                                     |             |             |
|-----------------------------------------------------|-------------|-------------|
| Pdh Tj = Tbiv                                       | 4.60 kW     | 4.00 kW     |
| COP Tj = Tbiv                                       | 2.70        | 1.80        |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 4.50 kW     | 3.50 kW     |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.60        | 1.60        |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.90        | 0.90        |
| WTOL                                                | 55 °C       | 55 °C       |
| Poff                                                | 6 W         | 6 W         |
| PTO                                                 | 23 W        | 16 W        |
| PSB                                                 | 10 W        | 10 W        |
| PCK                                                 | 0 W         | 0 W         |
| Supplementary Heater: Type of energy input          | Electricity | Electricity |
| Supplementary Heater: PSUP                          | 0.70 kW     | 1.00 kW     |
| Annual energy consumption Qhe                       | 2505 kWh    | 3180 kWh    |

## Domestic Hot Water (DHW)

### Average Climate

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| <b>EN 16147</b>                 |            |
|---------------------------------|------------|
| Declared load profile           | L          |
| Efficiency $\eta_{DHW}$         | 120 %      |
| COP                             | 3.00       |
| Heating up time                 | 1:45 h:min |
| Standby power input             | 32.0 W     |
| Reference hot water temperature | 54.0 °C    |
| Mixed water at 40°C             | 249 l      |