

## Subtype THERMOR AEROLIA 14 2024

|                     |                                                            |
|---------------------|------------------------------------------------------------|
| 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       | THERMOR AEROLIA 14 2024                                    |
| Registration number | 012-C700294                                                |
| Heat Pump Type      | Outdoor Air/Water                                          |
| Refrigerant         | R410A                                                      |
| Mass of Refrigerant | 2.5 kg                                                     |
| Certification Date  | 16.04.2024                                                 |
| Testing basis       | EN 14511:2022, EN 14825:2022, EN 16147:2017, EN 12102:2022 |

## Model THERMOR AEROLIA 14 2024

|                                     |                         |
|-------------------------------------|-------------------------|
| Model name                          | THERMOR AEROLIA 14 2024 |
| 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 | 13.50 kW        | 9.80 kW            |
| El input    | 3.23 kW         | 4.00 kW            |
| COP         | 4.18            | 2.45               |

### EN 12102-1 | Average Climate

|                           | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor  | 40 dB(A)        | 40 dB(A)           |
| Sound power level outdoor | 67 dB(A)        | 67 dB(A)           |

### EN 14825 | Average Climate

|                | Low temperature | Medium temperature |
|----------------|-----------------|--------------------|
| $\eta_s$       | 155 %           | 120 %              |
| Prated         | 13.20 kW        | 11.30 kW           |
| SCOP           | 3.95            | 3.08               |
| Tbiv           | -7 °C           | -7 °C              |
| TOL            | -10 °C          | -10 °C             |
| Pdh Tj = -7°C  | 11.70 kW        | 10.00 kW           |
| COP Tj = -7°C  | 2.55            | 2.01               |
| Cdh Tj = -7 °C | 1.000           | 1.000              |
| Pdh Tj = +2°C  | 7.10 kW         | 6.10 kW            |
| COP Tj = +2°C  | 3.72            | 2.92               |
| Cdh Tj = +2 °C | 0.990           | 0.990              |
| Pdh Tj = +7°C  | 6.40 kW         | 6.00 kW            |

|                                                     |             |             |
|-----------------------------------------------------|-------------|-------------|
| COP Tj = +7°C                                       | 5.59        | 4.22        |
| Cdh Tj = +7 °C                                      | 0.980       | 0.990       |
| Pdh Tj = 12°C                                       | 7.00 kW     | 7.20 kW     |
| COP Tj = 12°C                                       | 6.60        | 5.49        |
| Cdh Tj = +12 °C                                     | 0.980       | 0.980       |
| Pdh Tj = Tbiv                                       | 11.70 kW    | 10.00 kW    |
| COP Tj = Tbiv                                       | 2.55        | 2.01        |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 11.20 kW    | 8.40 kW     |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.46        | 1.65        |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 1.000       | 1.000       |
| WTOL                                                | 60 °C       | 60 °C       |
| Poff                                                | 7 W         | 7 W         |
| PTO                                                 | 20 W        | 20 W        |
| PSB                                                 | 10 W        | 10 W        |
| PCK                                                 | 0 W         | 0 W         |
| Supplementary Heater: Type of energy input          | Electricity | Electricity |
| Supplementary Heater: PSUP                          | 2.00 kW     | 2.90 kW     |
| Annual energy consumption Qhe                       | 6899 kWh    | 7574 kWh    |

## Model THERMOR AEROLIA DUO 14 2024

|                                     |                             |
|-------------------------------------|-----------------------------|
| Model name                          | THERMOR AEROLIA DUO 14 2024 |
| Application                         | Heating + DHW + low 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 16147 | Average Climate

|                                 |            |
|---------------------------------|------------|
| Declared load profile           | L          |
| Efficiency $\eta_{DHW}$         | 100 %      |
| COP                             | 2.50       |
| Heating up time                 | 1:10 h:min |
| Standby power input             | 40.0 W     |
| Reference hot water temperature | 54.2 °C    |
| Mixed water at 40°C             | 250 l      |

#### 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 | 13.50 kW        | 9.80 kW            |
| El input    | 3.23 kW         | 4.00 kW            |
| COP         | 4.18            | 2.45               |

#### EN 12102-1 | Average Climate

|                           | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor  | 40 dB(A)        | 40 dB(A)           |
| Sound power level outdoor | 67 dB(A)        | 67 dB(A)           |

#### EN 14825 | Average Climate

|          | Low temperature | Medium temperature |
|----------|-----------------|--------------------|
| $\eta_s$ | 155 %           | 120 %              |
| Prated   | 13.20 kW        | 11.30 kW           |
| SCOP     | 3.95            | 3.08               |

|                                                     |             |             |
|-----------------------------------------------------|-------------|-------------|
| Tbiv                                                | -7 °C       | -7 °C       |
| TOL                                                 | -10 °C      | -10 °C      |
| Pdh Tj = -7°C                                       | 11.70 kW    | 10.00 kW    |
| COP Tj = -7°C                                       | 2.55        | 2.01        |
| Cdh Tj = -7 °C                                      | 1.000       | 1.000       |
| Pdh Tj = +2°C                                       | 7.10 kW     | 6.10 kW     |
| COP Tj = +2°C                                       | 3.72        | 2.92        |
| Cdh Tj = +2 °C                                      | 0.990       | 0.990       |
| Pdh Tj = +7°C                                       | 6.40 kW     | 6.00 kW     |
| COP Tj = +7°C                                       | 5.59        | 4.22        |
| Cdh Tj = +7 °C                                      | 0.980       | 0.990       |
| Pdh Tj = 12°C                                       | 7.00 kW     | 7.20 kW     |
| COP Tj = 12°C                                       | 6.60        | 5.49        |
| Cdh Tj = +12 °C                                     | 0.980       | 0.980       |
| Pdh Tj = Tbiv                                       | 11.70 kW    | 10.00 kW    |
| COP Tj = Tbiv                                       | 2.55        | 2.01        |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 11.20 kW    | 8.40 kW     |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.46        | 1.65        |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 1.000       | 1.000       |
| WTOL                                                | 60 °C       | 60 °C       |
| Poff                                                | 7 W         | 7 W         |
| PTO                                                 | 20 W        | 20 W        |
| PSB                                                 | 10 W        | 10 W        |
| PCK                                                 | 0 W         | 0 W         |
| Supplementary Heater: Type of energy input          | Electricity | Electricity |
| Supplementary Heater: PSUP                          | 2.00 kW     | 2.90 kW     |
| Annual energy consumption Qhe                       | 6899 kWh    | 7574 kWh    |