

**Subtype THERMOR PERFECO S 14 TRI**

|                     |   |
|---------------------|---|
| Certificate Holder  | Groupe Atlantic                                       |
| Address             | Rue des Fondeurs BP 64                                |
| ZIP                 | 59660   |
| City                | Merville  |
| Country             | FR  |
| Certification Body  | RISE CERT   |
| Subtype title       | THERMOR PERFECO S 14 TRI                              |
| Registration number | 012-C700261   |
| Heat Pump Type      | Outdoor Air/Water                                     |
| Refrigerant         | R410A   |
| Mass of Refrigerant | 2.5 kg  |
| Certification Date  | 08.03.2024  |
| Testing basis       | EN 14511:2022, EN 14825:2022, EN 12102:2022           |
| Testing laboratory  | ACTA INDUSTRIE - Laboratoire Acoustique et Climatique |

**Model THERMOR PERFECO S 14 TRI**

|                                     |                          |
|-------------------------------------|--------------------------|
| Model name                          | THERMOR PERFECO S 14 TRI |
| 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     | 3x400V 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 | 11.20 kW        | 8.20 kW            |
| EI input    | 2.40 kW         | 2.93 kW            |
| COP         | 4.67            | 2.80               |

**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 |
|----------------|-----------------|--------------------|
| $\eta_s$       | 167 %           | 130 %              |
| Prated         | 11.80 kW        | 11.10 kW           |
| SCOP           | 4.24            | 3.32               |
| Tbiv           | -7 °C           | -7 °C              |
| TOL            | -10 °C          | -10 °C             |
| Pdh Tj = -7°C  | 10.40 kW        | 9.80 kW            |
| COP Tj = -7°C  | 2.80            | 2.08               |
| Cdh Tj = -7 °C | 1.000           | 1.000              |
| Pdh Tj = +2°C  | 6.30 kW         | 6.00 kW            |
| COP Tj = +2°C  | 4.01            | 3.26               |
| Cdh Tj = +2 °C | 0.990           | 0.990              |
| Pdh Tj = +7°C  | 6.30 kW         | 6.30 kW            |

|   |             |             |
|---|-------------|-------------|
| COP Tj = +7°C                                       | 5.81        | 4.40        |
| Cdh Tj = +7 °C                                      | 0.990       | 0.990       |
| Pdh Tj = 12°C                                       | 7.30 kW     | 7.50 kW     |
| COP Tj = 12°C                                       | 7.40        | 5.70        |
| Cdh Tj = +12 °C                                     | 0.980       | 0.990       |
| Pdh Tj = Tbiv                                       | 10.40 kW    | 9.80 kW     |
| COP Tj = Tbiv                                       | 2.80        | 2.08        |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 10.50 kW    | 8.40 kW     |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.46        | 1.76        |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 1.000       | 1.000       |
| WTOL  | 60 °C       | 60 °C       |
| Poff  | 10 W        | 10 W        |
| PTO   | 15 W        | 15 W        |
| PSB   | 10 W        | 10 W        |
| PCK   | 0 W         | 0 W         |
| Supplementary Heater: Type of energy input          | Electricity | Electricity |
| Supplementary Heater: PSUP                          | 1.30 kW     | 2.70 kW     |
| Annual energy consumption Qhe                       | 5745 kWh    | 6897 kWh    |