

## Subtype RIELLO NXHP 010

|                     |   |
|---------------------|---|
| Certificate Holder  | Riello S.p.A.   |
| Address             | Via Ing. Pilade Riello 7                              |
| ZIP                 | 37045   |
| City                | Legnago (VR)  |
| Country             | IT  |
| Certification Body  | DIN CERTCO Gesellschaft für Konformitätsbewertung mbH |
| Subtype title       | RIELLO NXHP 010                                       |
| Registration number | 011-1W0619  |
| Heat Pump Type      | Outdoor Air/Water                                     |
| Refrigerant         | R290  |
| Mass of Refrigerant | 0.76 kg   |
| Certification Date  | 26.06.2023  |
| Testing basis       | HP KEYMARK Certification Scheme Rules Rev. 12         |

## Model RIELLO NXHP 010

|                                     |                       |
|-------------------------------------|-----------------------|
| Model name                          | RIELLO NXHP 010       |
| Application                         | Heating (medium temp) |
| Units                               | Outdoor               |
| Climate zone (for heating)          | n/a                   |
| Reversibility                       | Yes                   |
| Cooling mode application (optional) | +7°C/12°C             |
| 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 12102-1 | Average Climate

|                           | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level outdoor | 49 dB(A)        | 51 dB(A)           |

### EN 14825 | Average Climate

|                 | Low temperature | Medium temperature |
|-----------------|-----------------|--------------------|
| $\eta_s$        | 185 %           | 131 %              |
| Prated          | 6.43 kW         | 6.45 kW            |
| SCOP            | 4.69            | 3.34               |
| Tbiv            | -7 °C           | -7 °C              |
| TOL             | -10 °C          | -10 °C             |
| Pdh Tj = -7°C   | 5.69 kW         | 5.71 kW            |
| COP Tj = -7°C   | 2.68            | 1.90               |
| Cdh Tj = -7 °C  |                 |                    |
| Pdh Tj = +2°C   | 3.46 kW         | 3.48 kW            |
| COP Tj = +2°C   | 4.60            | 3.12               |
| Cdh Tj = +2 °C  |                 |                    |
| Pdh Tj = +7°C   | 2.80 kW         | 2.68 kW            |
| COP Tj = +7°C   | 6.63            | 4.97               |
| Cdh Tj = +7 °C  | 0.964           | 0.972              |
| Pdh Tj = 12°C   | 3.23 kW         | 3.16 kW            |
| COP Tj = 12°C   | 8.51            | 7.09               |
| Cdh Tj = +12 °C | 0.960           | 0.966              |
| Pdh Tj = Tbiv   | 5.69 kW         | 5.71 kW            |
| COP Tj = Tbiv   | 2.68            | 1.90               |

|   |          |          |
|---|----------|----------|
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 5.27 kW  | 5.29 kW  |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.36     | 1.71     |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh |          |          |
| WTOL  | 75 °C    | 75 °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          | n/a      | n/a      |
| Supplementary Heater: PSUP                          | 1.16 kW  | 1.16 kW  |
| Annual energy consumption Qhe                       | 2829 kWh | 3989 kWh |