

Subtype RIELLO NXHP 004

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 004
Registration number	011-1W0616
Heat Pump Type	Outdoor Air/Water
Refrigerant	R290
Mass of Refrigerant	0.39 kg
Certification Date	26.06.2023
Testing basis	HP KEYMARK Certification Scheme Rules Rev. 12

Model RIELLO NXHP 004

Model name	RIELLO NXHP 004
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	47 dB(A)	49 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
η_s	185 %	131 %
Prated	3.80 kW	3.46 kW
SCOP	4.70	3.34
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	3.36 kW	3.06 kW
COP Tj = -7°C	2.86	1.97
Cdh Tj = -7 °C		
Pdh Tj = +2°C	2.05 kW	1.86 kW
COP Tj = +2°C	4.46	3.15
Cdh Tj = +2 °C		
Pdh Tj = +7°C	1.62 kW	1.52 kW
COP Tj = +7°C	6.83	4.88
Cdh Tj = +7 °C	0.937	0.952
Pdh Tj = 12°C	1.91 kW	1.84 kW
COP Tj = 12°C	9.23	6.91
Cdh Tj = +12 °C	0.928	0.944
Pdh Tj = Tbiv	3.36 kW	3.06 kW
COP Tj = Tbiv	2.86	1.97

Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	3.08 kW	2.70 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.55	1.65
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	0.72 kW	0.76 kW
Annual energy consumption Qhe	1666 kWh	2138 kWh