

Subtype BERETTA HYDRO UNIT P 008

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	BERETTA HYDRO UNIT P 008
Registration number	011-1W0628
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. 14

**Model BERETTA HYDRO UNIT P 008**

Model name	BERETTA HYDRO UNIT P 008
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 14511-2 | Heating**

	Low temperature	Medium temperature
Heat output	7.60 kW	7.55 kW
El input	1.58 kW	2.40 kW
COP	4.80	3.15

**EN 14511-2 | Cooling**

	+7°C/+12°C	+18°C/+23°C
El input	2.13 kW	
Cooling capacity	6.50	
EER	3.05	

**EN 12102-1 | Average Climate**

	Low temperature	Medium temperature
Sound power level outdoor	49 dB(A)	52 dB(A)

**EN 14825 | Average Climate**

	Low temperature	Medium temperature
ηs	185 %	141 %
Prated	6.97 kW	7.16 kW
SCOP	4.72	3.60
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C

Pdh Tj = -7°C	6.17 kW	6.34 kW
COP Tj = -7°C	2.70	2.08
Cdh Tj = -7 °C		
Pdh Tj = +2°C	3.71 kW	3.57 kW
COP Tj = +2°C	4.69	3.50
Cdh Tj = +2 °C		
Pdh Tj = +7°C	2.78 kW	2.63 kW
COP Tj = +7°C	6.25	4.94
Cdh Tj = +7 °C	0.964	0.972
Pdh Tj = 12°C	3.24 kW	2.96 kW
COP Tj = 12°C	8.64	6.61
Cdh Tj = +12 °C	0.960	0.966
Pdh Tj = Tbiv	6.17 kW	6.34 kW
COP Tj = Tbiv	2.70	2.08
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.03 kW	5.65 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.60	1.94
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	Electricity	Electricity
Supplementary Heater: PSUP	0.94 kW	1.51 kW
Annual energy consumption Qhe	3057 kWh	4110 kWh

### EN 14825 | Cooling

	+7°C/+12°C	+18°C/+23°C
Pdesignc	6.50 kW	
SEER	5.28	
Pdc Tj = 35°C	6.50 kW	
EER Tj = 35°C	3.05	
Cdc Tj = 35 °C		
Pdc Tj = 30°C	4.79 kW	
EER Tj = 30°C	4.49	
Cdc Tj = 30 °C		
Pdc Tj = 25°C	3.08 kW	
EER Tj = 25°C	6.36	
Cdc Tj = 25 °C		
Pdc Tj = 20°C	2.95 kW	
EER Tj = 20°C	7.33	
Cdc Tj = 20 °C	0.963	
Poff	10 W	

PTO	15 W
PSB	10 W
PCK	0 W
Annual energy consumption Qce	3900 kWh