

Subtype ECO-ZR02FC

Certificate Holder	Ecogenica Ltd
Address	Level 1 Brockbourne House 77 Mount Ephraim; Tunbridge Wells
ZIP	TN4 8BS
City	Kent
Country	GB
Certification Body	DIN CERTCO Gesellschaft für Konformitätsbewertung mbH
Subtype title	ECO-ZR02FC
Registration number	011-1W0863
Heat Pump Type	Outdoor Air/Water
Refrigerant	R290
Mass of Refrigerant	0.63 kg
Certification Date	08.08.2024
Testing basis	HP KEYMARK certification scheme rules V14

**Model ECO-ZR02FC**

Model name	ECO-ZR02FC
Application	Heating (medium temp)
Units	Outdoor
Climate zone (for heating)	n/a
Reversibility	Yes
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	7.00 kW	6.26 kW
El input	1.53 kW	2.10 kW
COP	4.58	2.98

**EN 12102-1 | Average Climate**

	Low temperature	Medium temperature
Sound power level outdoor	62 dB(A)	62 dB(A)

**EN 14825 | Average Climate**

	Low temperature	Medium temperature
$\eta_s$	196 %	148 %
Prated	5.36 kW	5.10 kW
SCOP	4.98	3.78
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	4.74 kW	4.60 kW
COP Tj = -7°C	3.43	2.51
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	3.29 kW	2.79 kW
COP Tj = +2°C	4.83	3.56
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	1.95 kW	1.82 kW

COP Tj = +7°C	6.44	5.05
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	1.76 kW	1.69 kW
COP Tj = 12°C	9.78	7.43
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	4.74 kW	4.60 kW
COP Tj = Tbiv	3.43	2.51
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.39 kW	4.32 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.06	2.23
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	75 °C	75 °C
Poff	11 W	11 W
PTO	27 W	27 W
PSB	11 W	11 W
PCK	93 W	93 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.97 kW	0.78 kW
Annual energy consumption Qhe	2222 kWh	2843 kWh