

## Subtype ECO-ZR03FC

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-ZR03FC
Registration number	011-1W0864
Heat Pump Type	Outdoor Air/Water
Refrigerant	R290
Mass of Refrigerant	0.8 kg
Certification Date	08.08.2024
Testing basis	HP KEYMARK certification scheme rules V14

## Model ECO-ZR03FC

Model name	ECO-ZR03FC
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	9.94 kW	10.10 kW
El input	2.16 kW	3.24 kW
COP	4.60	3.11

### EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level outdoor	65 dB(A)	65 dB(A)

### EN 14825 | Average Climate

	Low temperature	Medium temperature
$\eta_s$	189 %	142 %
Prated	8.01 kW	7.90 kW
SCOP	4.80	3.63
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.09 kW	7.02 kW
COP Tj = -7°C	3.19	2.39
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	4.33 kW	4.29 kW
COP Tj = +2°C	4.47	3.41
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	2.88 kW	3.18 kW

COP Tj = +7°C	6.60	4.90
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	3.49 kW	3.24 kW
COP Tj = 12°C	10.07	7.63
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	7.09 kW	7.02 kW
COP Tj = Tbiv	3.19	2.39
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.13 kW	7.28 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.80	2.15
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	75 °C	75 °C
Poff	13 W	13 W
PTO	56 W	56 W
PSB	13 W	13 W
PCK	93 W	93 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.88 kW	0.62 kW
Annual energy consumption Qhe	3450 kWh	4513 kWh