

Subtype ECO-ZR06FC

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-ZR06FC
Registration number	011-1W0866
Heat Pump Type	Outdoor Air/Water
Refrigerant	R290
Mass of Refrigerant	1.45 kg
Certification Date	08.08.2024
Testing basis	HP KEYMARK certification scheme rules V14

Model ECO-ZR06FC

Model name	ECO-ZR06FC
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	3x230V 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	18.06 kW	17.60 kW
El input	3.77 kW	5.57 kW
COP	4.79	3.16

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level outdoor	70 dB(A)	70 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
η_s	206 %	148 %
Prated	16.20 kW	14.20 kW
SCOP	5.22	3.78
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	14.30 kW	12.57 kW
COP Tj = -7°C	3.30	2.48
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	8.99 kW	7.67 kW
COP Tj = +2°C	4.91	3.57
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	6.06 kW	5.31 kW

COP Tj = +7°C	7.38	5.19
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	6.82 kW	6.33 kW
COP Tj = 12°C	10.27	7.31
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	14.30 kW	12.57 kW
COP Tj = Tbiv	3.30	2.48
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	14.19 kW	12.38 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.92	2.22
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	75 °C	75 °C
Poff	16 W	16 W
PTO	60 W	60 W
PSB	16 W	16 W
PCK	93 W	93 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	2.01 kW	1.82 kW
Annual energy consumption Qhe	6398 kWh	7736 kWh