Login

Summary of	ECOGEO B/C 1 1-9kW	Reg. No.	011-1W0326
Certificate Holder			
Name	Ecoforest Geotermia S.L.		
Address	Rúa das Pontes, 25	Zip	36350
City	Nigrán (Pontevedra)	Country	Spain
Certification Body	DIN CERTCO Gesellschaft für Konformitätsbewertung mbH		
Subtype title	ECOGEO B/C 1 1-9kW		
Heat Pump Type	Brine/Water		
Refrigerant	R410A		
Mass of Refrigerant	0.9 kg		
Certification Date	28.05.2019		

Model: ECOGEO C1 T 1-9kW

Configure model	
Model name	ECOGEO C1 T 1-9kW
Application	Heating + DHW + low temp
Units	Indoor
Climate Zone	Colder Climate + Warmer Climate
Reversibility	No
Cooling mode application (optional)	n/a

General Data	
Power supply	3x400V 50Hz
Off-peak product	Yes

Heating

EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Starting and operating test	passed

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	4.12 kW	4.80 kW
El input	0.91 kW	1.70 kW
COP	4.52	2.83

Average Climate

EN 12102-1		
	Low temperature	**Medium temperature**
Sound power level indoor	54 dB(A)	54 dB(A)

EN 14825		
	Low temperature	**Medium temperature**
η_s	196 %	142 %
Prated	11.00 kW	11.00 kW
SCOP	4.85	3.54
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	9.59 kW	9.03 kW
COP Tj = -7°C	3.85	2.72
Cdh Tj = -7 °C	0.99	0.99
Pdh Tj = +2°C	5.98 kW	6.07 kW
COP Tj = +2°C	4.89	3.52
Cdh Tj = +2 °C	0.99	0.99
Pdh Tj = +7°C	3.81 kW	3.95 kW
COP Tj = +7°C	5.74	4.31
Cdh Tj = +7 °C	0.98	0.98
Pdh Tj = 12°C	1.73 kW	1.67 kW

COP Tj = 12°C	4.93	3.80
Cdh Tj = +12 °C	0.96	0.97
Pdh Tj = Tbiv	10.69 kW	10.05 kW
COP Tj = Tbiv	3.52	2.48
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.69 kW	10.05 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.55	2.48
WTOL	60 °C	60 °C
Poff	11 W	11 W
PTO	11 W	11 W
PSB	11 W	11 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	4.00 kW	4.00 kW
Annual energy consumption Qhe	4699 kWh	6418 kWh

Warmer Climate

EN 14825		
	Low temperature	**Medium temperature**
η_s	192 %	145 %
Prated	11.00 kW	11.00 kW
SCOP	4.80	3.62

Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	10.69 kW	10.05 kW
COP Tj = +2°C	3.55	2.48
Cdh Tj = +2 °C	0.99	0.99
Pdh Tj = +7°C	7.62 kW	7.21 kW
COP Tj = +7°C	4.31	3.12
Cdh Tj = +7 °C	0.99	0.99
Pdh Tj = 12°C	3.33 kW	3.26 kW
COP Tj = 12°C	5.72	4.50
Cdh Tj = +12 °C	0.98	0.98
Pdh Tj = Tbiv	10.69 kW	10.05 kW
COP Tj = Tbiv	3.55	2.48
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.69 kW	10.05 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.55	2.48
WTOL	60 °C	60 °C
Poff	11 W	11 W
PTO	11 W	11 W
PSB	11 W	11 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity

Supplementary Heater: PSUP	4.00 kW	4.00 kW
Annual energy consumption Qhe	3062 kWh	4033 kWh

Colder Climate

EN 14825		
	Low temperature	**Medium temperature**
η_s	196 %	130 %
Prated	11.00 kW	11.00 kW
SCOP	4.91	3.25
Tbiv	-10 °C	-10 °C
TOL	-22 °C	-22 °C
Pdh Tj = -7°C	7.17 kW	6.81 kW
COP Tj = -7°C	4.47	3.62
Cdh Tj = -7 °C	0.99	0.99
Pdh Tj = +2°C	4.33 kW	4.19 kW
COP Tj = +2°C	5.47	4.96
Cdh Tj = +2 °C	0.98	0.98
Pdh Tj = +7°C	2.73 kW	2.69 kW
COP Tj = +7°C	5.74	6.00
Cdh Tj = +7 °C	0.97	0.97
Pdh Tj = 12°C	1.30 kW	1.30 kW

COP Tj = 12°C	3.91	5.15
Cdh Tj = +12 °C	0.96	0.95
Pdh Tj = Tbiv	7.72 kW	7.59 kW
COP Tj = Tbiv	4.51	3.25
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.69 kW	10.05 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.55	2.48
WTOL	60 °C	60 °C
Poff	11 W	11 W
PTO	11 W	11 W
PSB	11 W	11 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	4.00 kW	4.00 kW
Annual energy consumption Qhe	5522 kWh	8260 kWh
Pdh Tj = -15°C (if TOL<-20°C)	9.90	9.31
COP Tj = -15°C (if TOL<-20°C)	4.20	3.09
Cdh Tj = -15 °C	0.99	0.99

Domestic Hot Water (DHW)

Average Climate

EN 16147	
Declared load profile	L
Efficiency ηDHW	78 %
COP	2.07
Heating up time	01:43:10 h:min
Standby power input	88.2 W
Reference hot water temperature	58.9 °C
Mixed water at 40°C	227 l

Warmer Climate

EN 16147	
Declared load profile	L
Efficiency ηDHW	78 %
COP	2.07
Heating up time	01:43:10 h:min
Standby power input	88.2 W
Reference hot water temperature	58.9 °C
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Model: ECOGEO C2 T 1-9kW

Configure model	
Model name	ECOGEO C2 T 1-9kW
Application	Heating + DHW + low temp
Units	Indoor
Climate Zone	Colder Climate + Warmer Climate
Reversibility	No
Cooling mode application (optional)	n/a

General Data	
Power supply	3x400V 50Hz
Off-peak product	Yes

Heating

EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Starting and operating test	passed

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	4.12 kW	4.80 kW
El input	0.91 kW	1.70 kW
COP	4.52	2.83

Average Climate

EN 12102-1		
	Low temperature	**Medium temperature**
Sound power level indoor	54 dB(A)	54 dB(A)

EN 14825		
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Prated	11.00 kW	11.00 kW
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COP Tj = -7°C	3.85	2.72
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Pdh Tj = +2°C	5.98 kW	6.07 kW
COP Tj = +2°C	4.89	3.52
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WTOL	60 °C	60 °C
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Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	4.00 kW	4.00 kW
Annual energy consumption Qhe	4699 kWh	6418 kWh

Warmer Climate

EN 14825		
	Low temperature	**Medium temperature**
η_s	192 %	145 %
Prated	11.00 kW	11.00 kW
SCOP	4.80	3.62

Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	10.69 kW	10.05 kW
COP Tj = +2°C	3.55	2.48
Cdh Tj = +2 °C	0.99	0.99
Pdh Tj = +7°C	7.62 kW	7.21 kW
COP Tj = +7°C	4.31	3.12
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WTOL	60 °C	60 °C
Poff	11 W	11 W
PTO	11 W	11 W
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PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity

Supplementary Heater: PSUP	4.00 kW	4.00 kW
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Cdh Tj = -7 °C	0.99	0.99
Pdh Tj = +2°C	4.33 kW	4.19 kW
COP Tj = +2°C	5.47	4.96
Cdh Tj = +2 °C	0.98	0.98
Pdh Tj = +7°C	2.73 kW	2.69 kW
COP Tj = +7°C	5.74	6.00
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Supplementary Heater: PSUP	4.00 kW	4.00 kW
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Declared load profile	L
Efficiency ηDHW	78 %
COP	2.07
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Reference hot water temperature	58.9 °C
Mixed water at 40°C	227 l

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Model: ECOGEO B1 T 1-9kW

Configure model	
Model name	ECOGEO B1 T 1-9kW
Application	Heating (medium temp)
Units	Indoor
Climate Zone	Colder Climate + Warmer Climate
Reversibility	No
Cooling mode application (optional)	n/a

General Data	
Power supply	3x400V 50Hz

Heating

EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Starting and operating test	passed

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	4.12 kW	4.80 kW
El input	0.91 kW	1.70 kW
COP	4.52	2.83

Average Climate

EN 12102-1		
	Low temperature	**Medium temperature**
Sound power level indoor	54 dB(A)	54 dB(A)

EN 14825		
	Low temperature	**Medium temperature**
η_s	196 %	142 %
Prated	11.00 kW	11.00 kW
SCOP	4.85	3.54
Tbiv	-10 °C	-10 °C
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Pdh Tj = -7°C	9.59 kW	9.03 kW
COP Tj = -7°C	3.85	2.72
Cdh Tj = -7 °C	0.99	0.99
Pdh Tj = +2°C	5.98 kW	6.07 kW
COP Tj = +2°C	4.89	3.52
Cdh Tj = +2 °C	0.99	0.99
Pdh Tj = +7°C	3.81 kW	3.95 kW
COP Tj = +7°C	5.74	4.31
Cdh Tj = +7 °C	0.98	0.98
Pdh Tj = 12°C	1.73 kW	1.67 kW

COP Tj = 12°C	4.93	3.80
Cdh Tj = +12 °C	0.96	0.97
Pdh Tj = Tbiv	10.69 kW	10.05 kW
COP Tj = Tbiv	3.52	2.48
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.69 kW	10.05 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.55	2.48
WTOL	60 °C	60 °C
Poff	11 W	11 W
PTO	11 W	11 W
PSB	11 W	11 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	4.00 kW	4.00 kW
Annual energy consumption Qhe	4699 kWh	6418 kWh

Warmer Climate

EN 14825		
	Low temperature	**Medium temperature**
η_s	192 %	145 %
Prated	11.00 kW	11.00 kW
SCOP	4.80	3.62

Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	10.69 kW	10.05 kW
COP Tj = +2°C	3.55	2.48
Cdh Tj = +2 °C	0.99	0.99
Pdh Tj = +7°C	7.62 kW	7.21 kW
COP Tj = +7°C	4.31	3.12
Cdh Tj = +7 °C	0.99	0.99
Pdh Tj = 12°C	3.33 kW	3.26 kW
COP Tj = 12°C	5.72	4.50
Cdh Tj = +12 °C	0.98	0.98
Pdh Tj = Tbiv	10.69 kW	10.05 kW
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Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.69 kW	10.05 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.55	2.48
WTOL	60 °C	60 °C
Poff	11 W	11 W
PTO	11 W	11 W
PSB	11 W	11 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity

Supplementary Heater: PSUP	4.00 kW	4.00 kW
Annual energy consumption Qhe	3062 kWh	4033 kWh

Colder Climate

EN 14825		
	Low temperature	**Medium temperature**
η_s	196 %	130 %
Prated	11.00 kW	11.00 kW
SCOP	4.91	3.25
Tbiv	-10 °C	-10 °C
TOL	-22 °C	-22 °C
Pdh Tj = -7°C	7.17 kW	6.81 kW
COP Tj = -7°C	4.47	3.62
Cdh Tj = -7 °C	0.99	0.99
Pdh Tj = +2°C	4.33 kW	4.19 kW
COP Tj = +2°C	5.47	4.96
Cdh Tj = +2 °C	0.98	0.98
Pdh Tj = +7°C	2.73 kW	2.69 kW
COP Tj = +7°C	5.74	6.00
Cdh Tj = +7 °C	0.97	0.97
Pdh Tj = 12°C	1.30 kW	1.30 kW

COP Tj = 12°C	3.91	5.15
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Pdh Tj = Tbiv	7.72 kW	7.59 kW
COP Tj = Tbiv	4.51	3.25
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.69 kW	10.05 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.55	2.48
WTOL	60 °C	60 °C
Poff	11 W	11 W
PTO	11 W	11 W
PSB	11 W	11 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	4.00 kW	4.00 kW
Annual energy consumption Qhe	5522 kWh	8260 kWh
Pdh Tj = -15°C (if TOL<-20°C)	9.90	9.31
COP Tj = -15°C (if TOL<-20°C)	4.20	3.09
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Model: ECOGEO B2 T 1-9kW

Configure model	
Model name	ECOGEO B2 T 1-9kW
Application	Heating (medium temp)
Units	Indoor
Climate Zone	Colder Climate + Warmer Climate
Reversibility	No
Cooling mode application (optional)	n/a

General Data	
Power supply	3x400V 50Hz

Heating

EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Starting and operating test	passed

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	Low temperature	**Medium temperature**
Heat output	4.12 kW	4.80 kW
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Average Climate

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	Low temperature	**Medium temperature**
Sound power level indoor	54 dB(A)	54 dB(A)

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Warmer Climate

EN 14825		
	Low temperature	**Medium temperature**
η_s	192 %	145 %
Prated	11.00 kW	11.00 kW
SCOP	4.80	3.62

Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	10.69 kW	10.05 kW
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Supplementary Heater: Type of energy input	Electricity	Electricity

Supplementary Heater: PSUP	4.00 kW	4.00 kW
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Annual energy consumption Qhe	5522 kWh	8260 kWh
Pdh Tj = -15°C (if TOL<-20°C)	9.90	9.31
COP Tj = -15°C (if TOL<-20°C)	4.20	3.09
Cdh Tj = -15 °C	0.99	0.99

Model: ECOGEO C1 1-9kW

Configure model	
Model name	ECOGEO C1 1-9kW
Application	Heating + DHW + low temp
Units	Indoor
Climate Zone	Colder Climate + Warmer Climate
Reversibility	No
Cooling mode application (optional)	n/a

General Data	
Power supply	1x230V 50Hz
Off-peak product	Yes

Heating

EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Starting and operating test	passed

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	4.12 kW	4.80 kW
El input	0.91 kW	1.70 kW
COP	4.52	2.83

Average Climate

EN 12102-1		
	Low temperature	**Medium temperature**
Sound power level indoor	54 dB(A)	54 dB(A)

EN 14825		
	Low temperature	**Medium temperature**
η_s	196 %	142 %
Prated	11.00 kW	11.00 kW
SCOP	4.85	3.54
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	9.59 kW	9.03 kW
COP Tj = -7°C	3.85	2.72
Cdh Tj = -7 °C	0.99	0.99
Pdh Tj = +2°C	5.98 kW	6.07 kW
COP Tj = +2°C	4.89	3.52
Cdh Tj = +2 °C	0.99	0.99
Pdh Tj = +7°C	3.81 kW	3.95 kW
COP Tj = +7°C	5.74	4.31
Cdh Tj = +7 °C	0.98	0.98
Pdh Tj = 12°C	1.73 kW	1.67 kW

COP Tj = 12°C	4.93	3.80
Cdh Tj = +12 °C	0.96	0.97
Pdh Tj = Tbiv	10.69 kW	10.05 kW
COP Tj = Tbiv	3.52	2.48
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.69 kW	10.05 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.55	2.48
WTOL	60 °C	60 °C
Poff	11 W	11 W
PTO	11 W	11 W
PSB	11 W	11 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	4.00 kW	4.00 kW
Annual energy consumption Qhe	4699 kWh	6418 kWh

Warmer Climate

EN 14825		
	Low temperature	**Medium temperature**
η_s	192 %	145 %
Prated	11.00 kW	11.00 kW
SCOP	4.80	3.62

Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	10.69 kW	10.05 kW
COP Tj = +2°C	3.55	2.48
Cdh Tj = +2 °C	0.99	0.99
Pdh Tj = +7°C	7.62 kW	7.21 kW
COP Tj = +7°C	4.31	3.12
Cdh Tj = +7 °C	0.99	0.99
Pdh Tj = 12°C	3.33 kW	3.26 kW
COP Tj = 12°C	5.72	4.50
Cdh Tj = +12 °C	0.98	0.98
Pdh Tj = Tbiv	10.69 kW	10.05 kW
COP Tj = Tbiv	3.55	2.48
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.69 kW	10.05 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.55	2.48
WTOL	60 °C	60 °C
Poff	11 W	11 W
PTO	11 W	11 W
PSB	11 W	11 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity

Supplementary Heater: PSUP	4.00 kW	4.00 kW
Annual energy consumption Qhe	3062 kWh	4033 kWh

Colder Climate

EN 14825		
	Low temperature	**Medium temperature**
η_s	196 %	130 %
Prated	11.00 kW	11.00 kW
SCOP	4.91	3.25
Tbiv	-10 °C	-10 °C
TOL	-22 °C	-22 °C
Pdh Tj = -7°C	7.17 kW	6.81 kW
COP Tj = -7°C	4.47	3.62
Cdh Tj = -7 °C	0.99	0.99
Pdh Tj = +2°C	4.33 kW	4.19 kW
COP Tj = +2°C	5.47	4.96
Cdh Tj = +2 °C	0.98	0.98
Pdh Tj = +7°C	2.73 kW	2.69 kW
COP Tj = +7°C	5.74	6.00
Cdh Tj = +7 °C	0.97	0.97
Pdh Tj = 12°C	1.30 kW	1.30 kW

COP Tj = 12°C	3.91	5.15
Cdh Tj = +12 °C	0.96	0.95
Pdh Tj = Tbiv	7.72 kW	7.59 kW
COP Tj = Tbiv	4.51	3.25
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.69 kW	10.05 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.55	2.48
WTOL	60 °C	60 °C
Poff	11 W	11 W
PTO	11 W	11 W
PSB	11 W	11 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	4.00 kW	4.00 kW
Annual energy consumption Qhe	5522 kWh	8260 kWh
Pdh Tj = -15°C (if TOL<-20°C)	9.90	9.31
COP Tj = -15°C (if TOL<-20°C)	4.20	3.09
Cdh Tj = -15 °C	0.99	0.99

Domestic Hot Water (DHW)

Average Climate

EN 16147	
Declared load profile	L
Efficiency ηDHW	78 %
COP	2.07
Heating up time	01:43:10 h:min
Standby power input	88.2 W
Reference hot water temperature	58.9 °C
Mixed water at 40°C	227 l

Warmer Climate

EN 16147	
Declared load profile	L
Efficiency ηDHW	78 %
COP	2.07
Heating up time	01:43:10 h:min
Standby power input	88.2 W
Reference hot water temperature	58.9 °C
Mixed water at 40°C	227 l

Colder Climate

EN 16147

Declared load profile	L
Efficiency ηDHW	78 %
COP	2.07
Heating up time	01:43:10 h:min
Standby power input	88.2 W
Reference hot water temperature	58.9 °C
Mixed water at 40°C	227 l

Model: ECOGEO C2 1-9kW

Configure model	
Model name	ECOGEO C2 1-9kW
Application	Heating + DHW + low temp
Units	Indoor
Climate Zone	Colder Climate + Warmer Climate
Reversibility	No
Cooling mode application (optional)	n/a

General Data	
Power supply	1x230V 50Hz
Off-peak product	Yes

Heating

EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Starting and operating test	passed

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	4.12 kW	4.80 kW
El input	0.91 kW	1.70 kW
COP	4.52	2.83

Average Climate

EN 12102-1		
	Low temperature	**Medium temperature**
Sound power level indoor	54 dB(A)	54 dB(A)

EN 14825		
	Low temperature	**Medium temperature**
η_s	196 %	142 %
Prated	11.00 kW	11.00 kW
SCOP	4.85	3.54
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	9.59 kW	9.03 kW
COP Tj = -7°C	3.85	2.72
Cdh Tj = -7 °C	0.99	0.99
Pdh Tj = +2°C	5.98 kW	6.07 kW
COP Tj = +2°C	4.89	3.52
Cdh Tj = +2 °C	0.99	0.99
Pdh Tj = +7°C	3.81 kW	3.95 kW
COP Tj = +7°C	5.74	4.31
Cdh Tj = +7 °C	0.98	0.98
Pdh Tj = 12°C	1.73 kW	1.67 kW

COP Tj = 12°C	4.93	3.80
Cdh Tj = +12 °C	0.96	0.97
Pdh Tj = Tbiv	10.69 kW	10.05 kW
COP Tj = Tbiv	3.52	2.48
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.69 kW	10.05 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.55	2.48
WTOL	60 °C	60 °C
Poff	11 W	11 W
PTO	11 W	11 W
PSB	11 W	11 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	4.00 kW	4.00 kW
Annual energy consumption Qhe	4699 kWh	6418 kWh

Warmer Climate

EN 14825		
	Low temperature	**Medium temperature**
η_s	192 %	145 %
Prated	11.00 kW	11.00 kW
SCOP	4.80	3.62

Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	10.69 kW	10.05 kW
COP Tj = +2°C	3.55	2.48
Cdh Tj = +2 °C	0.99	0.99
Pdh Tj = +7°C	7.62 kW	7.21 kW
COP Tj = +7°C	4.31	3.12
Cdh Tj = +7 °C	0.99	0.99
Pdh Tj = 12°C	3.33 kW	3.26 kW
COP Tj = 12°C	5.72	4.50
Cdh Tj = +12 °C	0.98	0.98
Pdh Tj = Tbiv	10.69 kW	10.05 kW
COP Tj = Tbiv	3.55	2.48
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.69 kW	10.05 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.55	2.48
WTOL	60 °C	60 °C
Poff	11 W	11 W
PTO	11 W	11 W
PSB	11 W	11 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity

Supplementary Heater: PSUP	4.00 kW	4.00 kW
Annual energy consumption Qhe	3062 kWh	4033 kWh

Colder Climate

EN 14825		
	Low temperature	**Medium temperature**
η_s	196 %	130 %
Prated	11.00 kW	11.00 kW
SCOP	4.91	3.25
Tbiv	-10 °C	-10 °C
TOL	-22 °C	-22 °C
Pdh Tj = -7°C	7.17 kW	6.81 kW
COP Tj = -7°C	4.47	3.62
Cdh Tj = -7 °C	0.99	0.99
Pdh Tj = +2°C	4.33 kW	4.19 kW
COP Tj = +2°C	5.47	4.96
Cdh Tj = +2 °C	0.98	0.98
Pdh Tj = +7°C	2.73 kW	2.69 kW
COP Tj = +7°C	5.74	6.00
Cdh Tj = +7 °C	0.97	0.97
Pdh Tj = 12°C	1.30 kW	1.30 kW

COP Tj = 12°C	3.91	5.15
Cdh Tj = +12 °C	0.96	0.95
Pdh Tj = Tbiv	7.72 kW	7.59 kW
COP Tj = Tbiv	4.51	3.25
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.69 kW	10.05 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.55	2.48
WTOL	60 °C	60 °C
Poff	11 W	11 W
PTO	11 W	11 W
PSB	11 W	11 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	4.00 kW	4.00 kW
Annual energy consumption Qhe	5522 kWh	8260 kWh
Pdh Tj = -15°C (if TOL<-20°C)	9.90	9.31
COP Tj = -15°C (if TOL<-20°C)	4.20	3.09
Cdh Tj = -15 °C	0.99	0.99

Domestic Hot Water (DHW)

Average Climate

EN 16147	
Declared load profile	L
Efficiency ηDHW	78 %
COP	2.07
Heating up time	01:43:10 h:min
Standby power input	88.2 W
Reference hot water temperature	58.9 °C
Mixed water at 40°C	227 l

Warmer Climate

EN 16147	
Declared load profile	L
Efficiency ηDHW	78 %
COP	2.07
Heating up time	01:43:10 h:min
Standby power input	88.2 W
Reference hot water temperature	58.9 °C
Mixed water at 40°C	227 l

Colder Climate

EN 16147	
Declared load profile	L
Efficiency ηDHW	78 %
COP	2.07
Heating up time	01:43:10 h:min
Standby power input	88.2 W
Reference hot water temperature	58.9 °C
Mixed water at 40°C	227 l

Model: ECOGEO B1 1-9kW

Configure model	
Model name	ECOGEO B1 1-9kW
Application	Heating (medium temp)
Units	Indoor
Climate Zone	Colder Climate + Warmer Climate
Reversibility	No
Cooling mode application (optional)	n/a

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Starting and operating test	passed

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	4.12 kW	4.80 kW
El input	0.91 kW	1.70 kW
COP	4.52	2.83

Average Climate

EN 12102-1		
	Low temperature	**Medium temperature**
Sound power level indoor	54 dB(A)	54 dB(A)

EN 14825		
	Low temperature	**Medium temperature**
η_s	196 %	142 %
Prated	11.00 kW	11.00 kW
SCOP	4.85	3.54
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	9.59 kW	9.03 kW
COP Tj = -7°C	3.85	2.72
Cdh Tj = -7 °C	0.99	0.99
Pdh Tj = +2°C	5.98 kW	6.07 kW
COP Tj = +2°C	4.89	3.52
Cdh Tj = +2 °C	0.99	0.99
Pdh Tj = +7°C	3.81 kW	3.95 kW
COP Tj = +7°C	5.74	4.31
Cdh Tj = +7 °C	0.98	0.98
Pdh Tj = 12°C	1.73 kW	1.67 kW

COP Tj = 12°C	4.93	3.80
Cdh Tj = +12 °C	0.96	0.97
Pdh Tj = Tbiv	10.69 kW	10.05 kW
COP Tj = Tbiv	3.52	2.48
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.69 kW	10.05 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.55	2.48
WTOL	60 °C	60 °C
Poff	11 W	11 W
PTO	11 W	11 W
PSB	11 W	11 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	4.00 kW	4.00 kW
Annual energy consumption Qhe	4699 kWh	6418 kWh

Warmer Climate

EN 14825		
	Low temperature	**Medium temperature**
η_s	192 %	145 %
Prated	11.00 kW	11.00 kW
SCOP	4.80	3.62

Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	10.69 kW	10.05 kW
COP Tj = +2°C	3.55	2.48
Cdh Tj = +2 °C	0.99	0.99
Pdh Tj = +7°C	7.62 kW	7.21 kW
COP Tj = +7°C	4.31	3.12
Cdh Tj = +7 °C	0.99	0.99
Pdh Tj = 12°C	3.33 kW	3.26 kW
COP Tj = 12°C	5.72	4.50
Cdh Tj = +12 °C	0.98	0.98
Pdh Tj = Tbiv	10.69 kW	10.05 kW
COP Tj = Tbiv	3.55	2.48
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.69 kW	10.05 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.55	2.48
WTOL	60 °C	60 °C
Poff	11 W	11 W
PTO	11 W	11 W
PSB	11 W	11 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity

Supplementary Heater: PSUP	4.00 kW	4.00 kW
Annual energy consumption Qhe	3062 kWh	4033 kWh

Colder Climate

EN 14825		
	Low temperature	**Medium temperature**
η_s	196 %	130 %
Prated	11.00 kW	11.00 kW
SCOP	4.91	3.25
Tbiv	-10 °C	-10 °C
TOL	-22 °C	-22 °C
Pdh Tj = -7°C	7.17 kW	6.81 kW
COP Tj = -7°C	4.47	3.62
Cdh Tj = -7 °C	0.99	0.99
Pdh Tj = +2°C	4.33 kW	4.19 kW
COP Tj = +2°C	5.47	4.96
Cdh Tj = +2 °C	0.98	0.98
Pdh Tj = +7°C	2.73 kW	2.69 kW
COP Tj = +7°C	5.74	6.00
Cdh Tj = +7 °C	0.97	0.97
Pdh Tj = 12°C	1.30 kW	1.30 kW

COP Tj = 12°C	3.91	5.15
Cdh Tj = +12 °C	0.96	0.95
Pdh Tj = Tbiv	7.72 kW	7.59 kW
COP Tj = Tbiv	4.51	3.25
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.69 kW	10.05 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.55	2.48
WTOL	60 °C	60 °C
Poff	11 W	11 W
PTO	11 W	11 W
PSB	11 W	11 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	4.00 kW	4.00 kW
Annual energy consumption Qhe	5522 kWh	8260 kWh
Pdh Tj = -15°C (if TOL<-20°C)	9.90	9.31
COP Tj = -15°C (if TOL<-20°C)	4.20	3.09
Cdh Tj = -15 °C	0.99	0.99

Model: ECOGEO B2 1-9kW

Configure model	
Model name	ECOGEO B2 1-9kW
Application	Heating (medium temp)
Units	Indoor
Climate Zone	Colder Climate + Warmer Climate
Reversibility	No
Cooling mode application (optional)	n/a

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Starting and operating test	passed

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	4.12 kW	4.80 kW
El input	0.91 kW	1.70 kW
COP	4.52	2.83

Average Climate

EN 12102-1		
	Low temperature	**Medium temperature**
Sound power level indoor	54 dB(A)	54 dB(A)

EN 14825		
	Low temperature	**Medium temperature**
η_s	196 %	142 %
Prated	11.00 kW	11.00 kW
SCOP	4.85	3.54
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	9.59 kW	9.03 kW
COP Tj = -7°C	3.85	2.72
Cdh Tj = -7 °C	0.99	0.99
Pdh Tj = +2°C	5.98 kW	6.07 kW
COP Tj = +2°C	4.89	3.52
Cdh Tj = +2 °C	0.99	0.99
Pdh Tj = +7°C	3.81 kW	3.95 kW
COP Tj = +7°C	5.74	4.31
Cdh Tj = +7 °C	0.98	0.98
Pdh Tj = 12°C	1.73 kW	1.67 kW

COP Tj = 12°C	4.93	3.80
Cdh Tj = +12 °C	0.96	0.97
Pdh Tj = Tbiv	10.69 kW	10.05 kW
COP Tj = Tbiv	3.52	2.48
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.69 kW	10.05 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.55	2.48
WTOL	60 °C	60 °C
Poff	11 W	11 W
PTO	11 W	11 W
PSB	11 W	11 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	4.00 kW	4.00 kW
Annual energy consumption Qhe	4699 kWh	6418 kWh

Warmer Climate

EN 14825		
	Low temperature	**Medium temperature**
η_s	192 %	145 %
Prated	11.00 kW	11.00 kW
SCOP	4.80	3.62

Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	10.69 kW	10.05 kW
COP Tj = +2°C	3.55	2.48
Cdh Tj = +2 °C	0.99	0.99
Pdh Tj = +7°C	7.62 kW	7.21 kW
COP Tj = +7°C	4.31	3.12
Cdh Tj = +7 °C	0.99	0.99
Pdh Tj = 12°C	3.33 kW	3.26 kW
COP Tj = 12°C	5.72	4.50
Cdh Tj = +12 °C	0.98	0.98
Pdh Tj = Tbiv	10.69 kW	10.05 kW
COP Tj = Tbiv	3.55	2.48
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.69 kW	10.05 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.55	2.48
WTOL	60 °C	60 °C
Poff	11 W	11 W
PTO	11 W	11 W
PSB	11 W	11 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity

Supplementary Heater: PSUP	4.00 kW	4.00 kW
Annual energy consumption Qhe	3062 kWh	4033 kWh

Colder Climate

EN 14825		
	Low temperature	**Medium temperature**
η_s	196 %	130 %
Prated	11.00 kW	11.00 kW
SCOP	4.91	3.25
Tbiv	-10 °C	-10 °C
TOL	-22 °C	-22 °C
Pdh Tj = -7°C	7.17 kW	6.81 kW
COP Tj = -7°C	4.47	3.62
Cdh Tj = -7 °C	0.99	0.99
Pdh Tj = +2°C	4.33 kW	4.19 kW
COP Tj = +2°C	5.47	4.96
Cdh Tj = +2 °C	0.98	0.98
Pdh Tj = +7°C	2.73 kW	2.69 kW
COP Tj = +7°C	5.74	6.00
Cdh Tj = +7 °C	0.97	0.97
Pdh Tj = 12°C	1.30 kW	1.30 kW

COP Tj = 12°C	3.91	5.15
Cdh Tj = +12 °C	0.96	0.95
Pdh Tj = Tbiv	7.72 kW	7.59 kW
COP Tj = Tbiv	4.51	3.25
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.69 kW	10.05 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.55	2.48
WTOL	60 °C	60 °C
Poff	11 W	11 W
PTO	11 W	11 W
PSB	11 W	11 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	4.00 kW	4.00 kW
Annual energy consumption Qhe	5522 kWh	8260 kWh
Pdh Tj = -15°C (if TOL<-20°C)	9.90	9.31
COP Tj = -15°C (if TOL<-20°C)	4.20	3.09
Cdh Tj = -15 °C	0.99	0.99