

Page 1 of 61

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Summary of	ECOGEO B/C 3 1-9kW	Reg. No.	011-1W0329	
Certificate Holder		'		
Name	Ecoforest Geotermia S.L.	Ecoforest Geotermia S.L.		
Address	Rúa das Pontes, 25	Zip	36350	
City	Nigrán (Pontevedra)	Country	Spain	
Certification Body	DIN CERTCO Gesellschaft für	DIN CERTCO Gesellschaft für Konformitätsbewertung mbH		
Subtype title	ECOGEO B/C 3 1-9kW	ECOGEO B/C 3 1-9kW		
Heat Pump Type	Brine/Water			
Refrigerant	R410A	R410A		
Mass of Refrigerant	1 kg	1 kg		
Certification Date	28.05.2019			



Model: ECOGEO C3 T 1-9kW

Configure model			
Model name	ECOGEO C3 T 1-9kW		
Application	Heating + DHW + low temp		
Units	Indoor		
Climate Zone	Colder Climate + Warmer Climate		
Reversibility	Yes		
Cooling mode application (optional)	n/a		

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

Heating

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

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

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}	193 %	140 %	
Prated	11.00 kW	11.00 kW	
SCOP	4.84	3.51	
Tbiv	-10 °C	-10 °C	
TOL	-10 °C	-10 °C	
Pdh Tj = -7°C	9.69 kW	9.46 kW	
COP Tj = -7°C	3.81	2.60	
Cdh Tj = -7 °C	0.990	0.990	
Pdh Tj = +2°C	5.98 kW	6.07 kW	
COP Tj = +2°C	4.89	3.52	
Cdh Tj = +2 °C	0.990	0.990	
Pdh Tj = +7°C	3.81 kW	3.95 kW	
$COP Tj = +7^{\circ}C$	5.74	4.31	
Cdh Tj = +7 °C	0.980	0.980	
Pdh Tj = 12°C	1.73 kW	1.67 kW	





Cdh Tj = +12 °C 0.960 0.970 Pdh Tj = Tbiv 10.85 kW 10.06 kW COP Tj = Tbiv 3.52 2.38 Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh 10.85 kW 10.06 kW COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh 3.52 2.38 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 0.15 kW 0.94 kW			
Pdh Tj = Tbiv 10.85 kW 10.06 kW COP Tj = Tbiv 3.52 2.38 Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	COP Tj = 12°C	4.93	3.80
COP Tj = Tbiv 3.52 2.38 Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	Cdh Tj = +12 °C	0.960	0.970
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	Pdh Tj = Tbiv	10.85 kW	10.06 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	COP Tj = Tbiv	3.52	2.38
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 0.15 kW 0.94 kW	Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.85 kW	10.06 kW
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 0.15 kW 0.94 kW	COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.52	2.38
PTO 11 W 11 W PSB 11 W 0 W PCK 0 W 0 W Supplementary Heater: Type of energy input Electricity Electricity Supplementary Heater: PSUP 0.15 kW 0.94 kW	WTOL	60 °C	60 °C
PSB 11 W 11 W PCK 0 W 0 W Supplementary Heater: Type of energy input Electricity Electricity Supplementary Heater: PSUP 0.15 kW 0.94 kW	Poff	11 W	11 W
PCK 0 W 0 W Supplementary Heater: Type of energy input Electricity Electricity Supplementary Heater: PSUP 0.15 kW 0.94 kW	РТО	11 W	11 W
Supplementary Heater: Type of energy input Electricity Electricity Supplementary Heater: PSUP 0.15 kW 0.94 kW	PSB	11 W	11 W
Supplementary Heater: PSUP 0.15 kW 0.94 kW	PCK	o w	0 W
	Supplementary Heater: Type of energy input	Electricity	Electricity
Annual energy consumption Qhe 4699 kWh 6418 kWh	Supplementary Heater: PSUP	0.15 kW	0.94 kW
	Annual energy consumption Qhe	4699 kWh	6418 kWh

Warmer Climate

EN 14825			
	Low temperature	Medium temperature	
η_{s}	192 %	144 %	
Prated	11.00 kW	11.00 kW	
SCOP	4.80	3.61	



Page 5 of 61 This information was generated by the HP KEYMARK database on 18 Mar 2022

	· , -	tit database on 10 Mai 202
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	10.85 kW	10.06 kW
COP Tj = +2°C	3.52	2.38
Cdh Tj = +2 °C	0.990	0.990
Pdh Tj = $+7^{\circ}$ C	7.62 kW	7.21 kW
$COPTj = +7^{\circ}C$	4.31	3.12
Cdh Tj = +7 °C	0.990	0.990
Pdh Tj = 12°C	3.33 kW	3.26 kW
COP Tj = 12°C	5.72	4.50
Cdh Tj = +12 °C	0.980	0.980
Pdh Tj = Tbiv	10.85 kW	10.06 kW
COP Tj = Tbiv	3.52	2.38
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.85 kW	10.06 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.52	2.38
WTOL	60 °C	60 °C
Poff	11 W	11 W
РТО	11 W	11 W
PSB	11 W	11 W
РСК	o w	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity





Supplementary Heater: PSUP	0.15 kW	0.94 kW
Annual energy consumption Qhe	3062 kWh	4033 kWh

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

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	0.990	0.990
Pdh Tj = +2°C	4.33 kW	4.19 kW
COP Tj = +2°C	5.47	4.96
Cdh Tj = +2 °C	0.980	0.980





	ited by the HE KETMAI	N database on 10 Mai 202
Pdh Tj = $+7$ °C	2.73 kW	2.69 kW
$COPTj = +7^{\circ}C$	5.74	6.00
Cdh Tj = +7 °C	0.970	0.970
Pdh Tj = 12°C	1.30 kW	1.30 kW
COP Tj = 12°C	3.91	5.15
Cdh Tj = +12 °C	0.960	0.950
Pdh Tj = Tbiv	7.59 kW	7.56 kW
COP Tj = Tbiv	4.53	3.20
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.85 kW	10.06 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.52	2.38
WTOL	60 °C	60 °C
Poff	11 W	11 W
РТО	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	0.15 kW	0.94 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



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

Domestic Hot Water (DHW)

Average Climate

EN 16147		
Declared load profile	L	
Efficiency ηDHW	78 %	
СОР	1.73	
Heating up time	01:23:00 h:min	
Standby power input	158.9 W	
Reference hot water temperature	57.8 °C	
Mixed water at 40°C	224	

Warmer Climate



EN 16147		
Declared load profile	L	
Efficiency ηDHW	78 %	
СОР	1.73	
Heating up time	01:23:00 h:min	
Standby power input	158.9 W	
Reference hot water temperature	57.8 °C	
Mixed water at 40°C	224	

Colder Climate

EN 16147		
Declared load profile	L	
Efficiency ηDHW	78 %	
СОР	1.73	
Heating up time	01:23:00 h:min	
Standby power input	158.9 W	
Reference hot water temperature	57.8 °C	
Mixed water at 40°C	224	



Model: ECOGEO C4 T 1-9kW

Configure model		
Model name ECOGEO C4 T 1-9kW		
Application Heating + DHW + low temp		
Units Indoor		
Climate Zone Colder Climate + Warmer Climate		
Reversibility	Yes	
Cooling mode application (optional)	n/a	

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

Heating

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

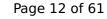
EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

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}	193 %	140 %
Prated	11.00 kW	11.00 kW
SCOP	4.84	3.51
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	9.69 kW	9.46 kW
COP Tj = -7°C	3.81	2.60
Cdh Tj = -7 °C	0.990	0.990
Pdh Tj = +2°C	5.98 kW	6.07 kW
COP Tj = +2°C	4.89	3.52
Cdh Tj = +2 °C	0.990	0.990
Pdh Tj = +7°C	3.81 kW	3.95 kW
$COP Tj = +7^{\circ}C$	5.74	4.31
Cdh Tj = +7 °C	0.980	0.980
Pdh Tj = 12°C	1.73 kW	1.67 kW





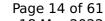
Cdh Tj = +12 °C 0.960 0.970 Pdh Tj = Tbiv 10.85 kW 10.06 kW COP Tj = Tbiv 3.52 2.38 Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh 10.85 kW 10.06 kW COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh 3.52 2.38 WTOL 60 °C 60 °C Poff 11 W 11 W PTO 11 W 11 W PSB 11 W 11 W PCK 0 W 0 W Supplementary Heater: Type of energy input Electricity Electricity Supplementary Heater: PSUP 0.15 kW 0.94 kW			
Pdh Tj = Tbiv 10.85 kW 10.06 kW COP Tj = Tbiv 3.52 2.38 Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	COP Tj = 12°C	4.93	3.80
COP Tj = Tbiv 3.52 2.38 Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	Cdh Tj = +12 °C	0.960	0.970
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	Pdh Tj = Tbiv	10.85 kW	10.06 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	COP Tj = Tbiv	3.52	2.38
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 0.15 kW 0.94 kW	Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.85 kW	10.06 kW
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 0.15 kW 0.94 kW	COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.52	2.38
PTO 11 W 11 W PSB 11 W 0 W PCK 0 W 0 W Supplementary Heater: Type of energy input Electricity Electricity Supplementary Heater: PSUP 0.15 kW 0.94 kW	WTOL	60 °C	60 °C
PSB 11 W 11 W PCK 0 W 0 W Supplementary Heater: Type of energy input Electricity Electricity Supplementary Heater: PSUP 0.15 kW 0.94 kW	Poff	11 W	11 W
PCK 0 W 0 W Supplementary Heater: Type of energy input Electricity Electricity Supplementary Heater: PSUP 0.15 kW 0.94 kW	РТО	11 W	11 W
Supplementary Heater: Type of energy input Electricity Electricity Supplementary Heater: PSUP 0.15 kW 0.94 kW	PSB	11 W	11 W
Supplementary Heater: PSUP 0.15 kW 0.94 kW	PCK	o w	0 W
	Supplementary Heater: Type of energy input	Electricity	Electricity
Annual energy consumption Qhe 4699 kWh 6418 kWh	Supplementary Heater: PSUP	0.15 kW	0.94 kW
	Annual energy consumption Qhe	4699 kWh	6418 kWh

Warmer Climate

EN 14825		
Low temperature	Medium temperature	
192 %	144 %	
11.00 kW	11.00 kW	
4.80	3.61	
	Low temperature 192 % 11.00 kW	



	· , -	tit database on 10 Mai 202
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	10.85 kW	10.06 kW
COP Tj = +2°C	3.52	2.38
Cdh Tj = +2 °C	0.990	0.990
Pdh Tj = $+7^{\circ}$ C	7.62 kW	7.21 kW
$COPTj = +7^{\circ}C$	4.31	3.12
Cdh Tj = +7 °C	0.990	0.990
Pdh Tj = 12°C	3.33 kW	3.26 kW
COP Tj = 12°C	5.72	4.50
Cdh Tj = +12 °C	0.980	0.980
Pdh Tj = Tbiv	10.85 kW	10.06 kW
COP Tj = Tbiv	3.52	2.38
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.85 kW	10.06 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.52	2.38
WTOL	60 °C	60 °C
Poff	11 W	11 W
РТО	11 W	11 W
PSB	11 W	11 W
РСК	o w	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity





Supplementary Heater: PSUP	0.15 kW	0.94 kW
Annual energy consumption Qhe	3062 kWh	4033 kWh

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

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	0.990	0.990
Pdh Tj = +2°C	4.33 kW	4.19 kW
COP Tj = +2°C	5.47	4.96
Cdh Tj = +2 °C	0.980	0.980



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2.73 kW	2.69 kW
5.74	6.00
0.970	0.970
1.30 kW	1.30 kW
3.91	5.15
0.960	0.950
7.59 kW	7.56 kW
4.53	3.20
10.85 kW	10.06 kW
3.52	2.38
60 °C	60 °C
11 W	11 W
11 W	11 W
11 W	11 W
0 W	0 W
Electricity	Electricity
0.15 kW	0.94 kW
5522 kWh	8260 kWh
9.90	9.31
4.20	3.09
0.99	0.99
	2.73 kW 5.74 0.970 1.30 kW 3.91 0.960 7.59 kW 4.53 10.85 kW 3.52 60 °C 11 W 11 W 11 W 0 W Electricity 0.15 kW 5522 kWh 9.90 4.20

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

Domestic Hot Water (DHW)

Average Climate

EN 16147		
Declared load profile	L	
Efficiency ηDHW	78 %	
СОР	1.73	
Heating up time	01:23:00 h:min	
Standby power input	158.9 W	
Reference hot water temperature	57.8 °C	
Mixed water at 40°C	224	

Warmer Climate



EN 16147	
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СОР	1.73
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Colder Climate

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Efficiency ηDHW	78 %	
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Mixed water at 40°C	224	



Model: ECOGEO B3 T 1-9kW

Configure model		
Model name	ECOGEO B3 T 1-9kW	
Application	Heating (medium temp)	
Units	Indoor	
Climate Zone	Colder Climate + Warmer Climate	
Reversibility	Yes	
Cooling mode application (optional)	n/a	

General Data		
Power supply	3x400V 50Hz	

Heating

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

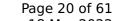
EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

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}	193 %	140 %
Prated	11.00 kW	11.00 kW
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Pdh Tj = +2°C	5.98 kW	6.07 kW
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Cdh Tj = +2 °C	0.990	0.990
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COP Tj = 12°C	4.93	3.80
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Pdh Tj = Tbiv	10.85 kW	10.06 kW
COP Tj = Tbiv	3.52	2.38
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.85 kW	10.06 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.52	2.38
WTOL	60 °C	60 °C
Poff	11 W	11 W
РТО	11 W	11 W
PSB	11 W	11 W
РСК	o w	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.15 kW	0.94 kW
Annual energy consumption Qhe	4699 kWh	6418 kWh

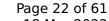
Warmer Climate

EN 14825		
	Low temperature	Medium temperature
η_{s}	192 %	144 %
Prated	11.00 kW	11.00 kW
SCOP	4.80	3.61



Page 21 of 61 This information was generated by the HP KEYMARK database on 18 Mar 2022

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Pdh Tj = Tbiv	10.85 kW	10.06 kW
COP Tj = Tbiv	3.52	2.38
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.85 kW	10.06 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.52	2.38
WTOL	60 °C	60 °C
Poff	11 W	11 W
РТО	11 W	11 W
PSB	11 W	11 W
РСК	o w	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity





Supplementary Heater: PSUP	0.15 kW	0.94 kW
Annual energy consumption Qhe	3062 kWh	4033 kWh

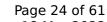
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	54 dB(A)	54 dB(A)

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	0.990	0.990
Pdh Tj = +2°C	4.33 kW	4.19 kW
COP Tj = +2°C	5.47	4.96
Cdh Tj = +2 °C	0.980	0.980



, , , , , , , , , , , , , , , , , , , 	IN database on 10 Mai 202.
2.73 kW	2.69 kW
5.74	6.00
0.970	0.970
1.30 kW	1.30 kW
3.91	5.15
0.960	0.950
7.59 kW	7.56 kW
4.53	3.20
10.85 kW	10.06 kW
3.52	2.38
60 °C	60 °C
11 W	11 W
11 W	11 W
11 W	11 W
0 W	0 W
Electricity	Electricity
0.15 kW	0.94 kW
5522 kWh	8260 kWh
9.90	9.31
4.20	3.09
0.99	0.99
	2.73 kW 5.74 0.970 1.30 kW 3.91 0.960 7.59 kW 4.53 10.85 kW 3.52 60 °C 11 W 11 W 11 W 0 W Electricity 0.15 kW 5522 kWh 9.90 4.20





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



Model: ECOGEO B4 T 1-9kW

Configure model		
Model name	ECOGEO B4 T 1-9kW	
Application	Heating (medium temp)	
Units	Indoor	
Climate Zone	Colder Climate + Warmer Climate	
Reversibility	Yes	
Cooling mode application (optional)	n/a	

General Data		
Power supply	3x400V 50Hz	

Heating

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

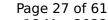
EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

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}	193 %	140 %
Prated	11.00 kW	11.00 kW
SCOP	4.84	3.51
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	9.69 kW	9.46 kW
COP Tj = -7°C	3.81	2.60
Cdh Tj = -7 °C	0.990	0.990
Pdh Tj = +2°C	5.98 kW	6.07 kW
COP Tj = +2°C	4.89	3.52
Cdh Tj = +2 °C	0.990	0.990
Pdh Tj = +7°C	3.81 kW	3.95 kW
$COP Tj = +7^{\circ}C$	5.74	4.31
Cdh Tj = +7 °C	0.980	0.980
Pdh Tj = 12°C	1.73 kW	1.67 kW





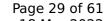
Cdh Tj = +12 °C 0.960 0.970 Pdh Tj = Tbiv 10.85 kW 10.06 kW COP Tj = Tbiv 3.52 2.38 Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh 10.85 kW 10.06 kW COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh 3.52 2.38 WTOL 60 °C 60 °C Poff 11 W 11 W PTO 11 W 11 W PSB 11 W 11 W PCK 0 W 0 W Supplementary Heater: Type of energy input Electricity Electricity Supplementary Heater: PSUP 0.15 kW 0.94 kW			
Pdh Tj = Tbiv 10.85 kW 10.06 kW COP Tj = Tbiv 3.52 2.38 Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	COP Tj = 12°C	4.93	3.80
COP Tj = Tbiv 3.52 2.38 Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	Cdh Tj = +12 °C	0.960	0.970
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	Pdh Tj = Tbiv	10.85 kW	10.06 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	COP Tj = Tbiv	3.52	2.38
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 0.15 kW 0.94 kW	Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.85 kW	10.06 kW
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 0.15 kW 0.94 kW	COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.52	2.38
PTO 11 W 11 W PSB 11 W 0 W PCK 0 W 0 W Supplementary Heater: Type of energy input Electricity Electricity Supplementary Heater: PSUP 0.15 kW 0.94 kW	WTOL	60 °C	60 °C
PSB 11 W 11 W PCK 0 W 0 W Supplementary Heater: Type of energy input Electricity Electricity Supplementary Heater: PSUP 0.15 kW 0.94 kW	Poff	11 W	11 W
PCK 0 W 0 W Supplementary Heater: Type of energy input Electricity Electricity Supplementary Heater: PSUP 0.15 kW 0.94 kW	РТО	11 W	11 W
Supplementary Heater: Type of energy input Electricity Electricity Supplementary Heater: PSUP 0.15 kW 0.94 kW	PSB	11 W	11 W
Supplementary Heater: PSUP 0.15 kW 0.94 kW	PCK	o w	0 W
	Supplementary Heater: Type of energy input	Electricity	Electricity
Annual energy consumption Qhe 4699 kWh 6418 kWh	Supplementary Heater: PSUP	0.15 kW	0.94 kW
	Annual energy consumption Qhe	4699 kWh	6418 kWh

Warmer Climate

EN 14825		
	Low temperature	Medium temperature
η_{s}	192 %	144 %
Prated	11.00 kW	11.00 kW
SCOP	4.80	3.61
	,	



	· , -	tit database on 10 Mai 202
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	10.85 kW	10.06 kW
COP Tj = +2°C	3.52	2.38
Cdh Tj = +2 °C	0.990	0.990
Pdh Tj = $+7^{\circ}$ C	7.62 kW	7.21 kW
$COPTj = +7^{\circ}C$	4.31	3.12
Cdh Tj = +7 °C	0.990	0.990
Pdh Tj = 12°C	3.33 kW	3.26 kW
COP Tj = 12°C	5.72	4.50
Cdh Tj = +12 °C	0.980	0.980
Pdh Tj = Tbiv	10.85 kW	10.06 kW
COP Tj = Tbiv	3.52	2.38
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.85 kW	10.06 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.52	2.38
WTOL	60 °C	60 °C
Poff	11 W	11 W
РТО	11 W	11 W
PSB	11 W	11 W
РСК	o w	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity





Supplementary Heater: PSUP	0.15 kW	0.94 kW
Annual energy consumption Qhe	3062 kWh	4033 kWh

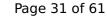
EN 12102-1			
Low temperature Medium temperature			
Sound power level indoor	54 dB(A)	54 dB(A)	

Colder Climate

EN 14825		
	Low temperatur	e 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	0.990	0.990
Pdh Tj = +2°C	4.33 kW	4.19 kW
COP Tj = +2°C	5.47	4.96
Cdh Tj = +2 °C	0.980	0.980
	·	



This information was genera	ited by the HE KLIMAI	N database on 10 Mai 202
Pdh Tj = +7°C	2.73 kW	2.69 kW
$COP Tj = +7^{\circ}C$	5.74	6.00
Cdh Tj = +7 °C	0.970	0.970
Pdh Tj = 12°C	1.30 kW	1.30 kW
COP Tj = 12°C	3.91	5.15
Cdh Tj = +12 °C	0.960	0.950
Pdh Tj = Tbiv	7.59 kW	7.56 kW
COP Tj = Tbiv	4.53	3.20
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.85 kW	10.06 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.52	2.38
WTOL	60 °C	60 °C
Poff	11 W	11 W
РТО	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	0.15 kW	0.94 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





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

Model: ECOGEO C3 1-9kW

Configure model		
Model name ECOGEO C3 1-9kW		
Application	Heating + DHW + low temp	
Units	Indoor	
Climate Zone	Colder Climate + Warmer Climate	
Reversibility	Yes	
Cooling mode application (optional)	n/a	

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

Heating

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

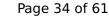
EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

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}	193 %	140 %
Prated	11.00 kW	11.00 kW
SCOP	4.84	3.51
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	9.69 kW	9.46 kW
COP Tj = -7°C	3.81	2.60
Cdh Tj = -7 °C	0.990	0.990
Pdh Tj = +2°C	5.98 kW	6.07 kW
COP Tj = +2°C	4.89	3.52
Cdh Tj = +2 °C	0.990	0.990
Pdh Tj = +7°C	3.81 kW	3.95 kW
COP Tj = +7°C	5.74	4.31
Cdh Tj = +7 °C	0.980	0.980
Pdh Tj = 12°C	1.73 kW	1.67 kW





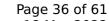
Cdh Tj = +12 °C 0.960 0.970 Pdh Tj = Tbiv 10.85 kW 10.06 kW COP Tj = Tbiv 3.52 2.38 Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh 10.85 kW 10.06 kW COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh 3.52 2.38 WTOL 60 °C 60 °C Poff 11 W 11 W PTO 11 W 11 W PSB 11 W 11 W PCK 0 W 0 W Supplementary Heater: Type of energy input Electricity Electricity Supplementary Heater: PSUP 0.15 kW 0.94 kW			
Pdh Tj = Tbiv 10.85 kW 10.06 kW COP Tj = Tbiv 3.52 2.38 Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	COP Tj = 12°C	4.93	3.80
COP Tj = Tbiv 3.52 2.38 Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	Cdh Tj = +12 °C	0.960	0.970
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	Pdh Tj = Tbiv	10.85 kW	10.06 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	COP Tj = Tbiv	3.52	2.38
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 0.15 kW 0.94 kW	Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.85 kW	10.06 kW
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 0.15 kW 0.94 kW	COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.52	2.38
PTO 11 W 11 W PSB 11 W 0 W PCK 0 W 0 W Supplementary Heater: Type of energy input Electricity Electricity Supplementary Heater: PSUP 0.15 kW 0.94 kW	WTOL	60 °C	60 °C
PSB 11 W 11 W PCK 0 W 0 W Supplementary Heater: Type of energy input Electricity Electricity Supplementary Heater: PSUP 0.15 kW 0.94 kW	Poff	11 W	11 W
PCK 0 W 0 W Supplementary Heater: Type of energy input Electricity Electricity Supplementary Heater: PSUP 0.15 kW 0.94 kW	РТО	11 W	11 W
Supplementary Heater: Type of energy input Electricity Electricity Supplementary Heater: PSUP 0.15 kW 0.94 kW	PSB	11 W	11 W
Supplementary Heater: PSUP 0.15 kW 0.94 kW	PCK	o w	0 W
	Supplementary Heater: Type of energy input	Electricity	Electricity
Annual energy consumption Qhe 4699 kWh 6418 kWh	Supplementary Heater: PSUP	0.15 kW	0.94 kW
	Annual energy consumption Qhe	4699 kWh	6418 kWh

Warmer Climate

EN 14825		
	Low temperature	Medium temperature
ης	192 %	144 %
Prated	11.00 kW	11.00 kW
SCOP	4.80	3.61
	·	



This information was genera		
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	10.85 kW	10.06 kW
COP Tj = +2°C	3.52	2.38
Cdh Tj = +2 °C	0.990	0.990
Pdh Tj = +7°C	7.62 kW	7.21 kW
COP Tj = +7°C	4.31	3.12
Cdh Tj = +7 °C	0.990	0.990
Pdh Tj = 12°C	3.33 kW	3.26 kW
COP Tj = 12°C	5.72	4.50
Cdh Tj = +12 °C	0.980	0.980
Pdh Tj = Tbiv	10.85 kW	10.06 kW
COP Tj = Tbiv	3.52	2.38
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.85 kW	10.06 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.52	2.38
WTOL	60 °C	60 °C
Poff	11 W	11 W
РТО	11 W	11 W
PSB	11 W	11 W
РСК	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity





This information was generat	ed by the HP KEYMAR	K database on 18 Mar 2022

Supplementary Heater: PSUP	0.15 kW	0.94 kW
Annual energy consumption Qhe	3062 kWh	4033 kWh

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

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	0.990	0.990	
Pdh Tj = +2°C	4.33 kW	4.19 kW	
COP Tj = +2°C	5.47	4.96	
Cdh Tj = +2 °C	0.980	0.980	



This information was genera	ited by the HE KLIMAI	N database on 10 Mai 202
Pdh Tj = +7°C	2.73 kW	2.69 kW
$COP Tj = +7^{\circ}C$	5.74	6.00
Cdh Tj = +7 °C	0.970	0.970
Pdh Tj = 12°C	1.30 kW	1.30 kW
COP Tj = 12°C	3.91	5.15
Cdh Tj = +12 °C	0.960	0.950
Pdh Tj = Tbiv	7.59 kW	7.56 kW
COP Tj = Tbiv	4.53	3.20
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.85 kW	10.06 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.52	2.38
WTOL	60 °C	60 °C
Poff	11 W	11 W
РТО	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	0.15 kW	0.94 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



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

Domestic Hot Water (DHW)

Average Climate

EN 16147		
Declared load profile	L	
Efficiency ηDHW	78 %	
СОР	1.73	
Heating up time	01:23:00 h:min	
Standby power input	158.9 W	
Reference hot water temperature	57.8 °C	
Mixed water at 40°C	224	

Warmer Climate



EN 16147		
Declared load profile	L	
Efficiency ηDHW	78 %	
СОР	1.73	
Heating up time	01:23:00 h:min	
Standby power input	158.9 W	
Reference hot water temperature	57.8 °C	
Mixed water at 40°C	224	

Colder Climate

EN 16147		
Declared load profile	L	
Efficiency ηDHW	78 %	
СОР	1.73	
Heating up time	01:23:00 h:min	
Standby power input	158.9 W	
Reference hot water temperature	57.8 °C	
Mixed water at 40°C	224	



Model: ECOGEO C4 1-9kW

Configure model		
Model name	ECOGEO C4 1-9kW	
Application	Heating + DHW + low temp	
Units	Indoor	
Climate Zone	Colder Climate + Warmer Climate	
Reversibility	Yes	
Cooling mode application (optional)	n/a	

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

Heating

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

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

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}	193 %	140 %
Prated	11.00 kW	11.00 kW
SCOP	4.84	3.51
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	9.69 kW	9.46 kW
COP Tj = -7°C	3.81	2.60
Cdh Tj = -7 °C	0.990	0.990
Pdh Tj = +2°C	5.98 kW	6.07 kW
COP Tj = +2°C	4.89	3.52
Cdh Tj = +2 °C	0.990	0.990
Pdh Tj = +7°C	3.81 kW	3.95 kW
COP Tj = +7°C	5.74	4.31
Cdh Tj = +7 °C	0.980	0.980
Pdh Tj = 12°C	1.73 kW	1.67 kW





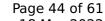
COP Tj = 12°C	4.93	3.80
Cdh Tj = +12 °C	0.960	0.970
Pdh Tj = Tbiv	10.85 kW	10.06 kW
COP Tj = Tbiv	3.52	2.38
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.85 kW	10.06 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.52	2.38
WTOL	60 °C	60 °C
Poff	11 W	11 W
РТО	11 W	11 W
PSB	11 W	11 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.15 kW	0.94 kW
Annual energy consumption Qhe	4699 kWh	6418 kWh

Warmer Climate

EN 14825		
	Low temperature	Medium temperature
ης	192 %	144 %
Prated	11.00 kW	11.00 kW
SCOP	4.80	3.61
	,	



This information was generated by the HP KEYMARK database on 18 Mar 202				
Tbiv	2 °C	2 °C		
TOL	2 °C	2 °C		
Pdh Tj = +2°C	10.85 kW	10.06 kW		
COP Tj = +2°C	3.52	2.38		
Cdh Tj = +2 °C	0.990	0.990		
Pdh Tj = $+7^{\circ}$ C	7.62 kW	7.21 kW		
$COPTj = +7^{\circ}C$	4.31	3.12		
Cdh Tj = +7 °C	0.990	0.990		
Pdh Tj = 12°C	3.33 kW	3.26 kW		
COP Tj = 12°C	5.72	4.50		
Cdh Tj = +12 °C	0.980	0.980		
Pdh Tj = Tbiv	10.85 kW	10.06 kW		
COP Tj = Tbiv	3.52	2.38		
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.85 kW	10.06 kW		
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.52	2.38		
WTOL	60 °C	60 °C		
Poff	11 W	11 W		
РТО	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	0.15 kW	0.94 kW
Annual energy consumption Qhe	3062 kWh	4033 kWh

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

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	0.990	0.990
Pdh Tj = $+2$ °C	4.33 kW	4.19 kW
$COP Tj = +2^{\circ}C$	5.47	4.96
Cdh Tj = +2 °C	0.980	0.980



, , , , , , , , , , , , , , , , , , , 	IN database on 10 Mai 202.
2.73 kW	2.69 kW
5.74	6.00
0.970	0.970
1.30 kW	1.30 kW
3.91	5.15
0.960	0.950
7.59 kW	7.56 kW
4.53	3.20
10.85 kW	10.06 kW
3.52	2.38
60 °C	60 °C
11 W	11 W
11 W	11 W
11 W	11 W
0 W	0 W
Electricity	Electricity
0.15 kW	0.94 kW
5522 kWh	8260 kWh
9.90	9.31
4.20	3.09
0.99	0.99
	2.73 kW 5.74 0.970 1.30 kW 3.91 0.960 7.59 kW 4.53 10.85 kW 3.52 60 °C 11 W 11 W 11 W 0 W Electricity 0.15 kW 5522 kWh 9.90 4.20

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

Domestic Hot Water (DHW)

Average Climate

EN 16147		
Declared load profile	L	
Efficiency ηDHW	78 %	
СОР	1.73	
Heating up time	01:23:00 h:min	
Standby power input	158.9 W	
Reference hot water temperature	57.8 °C	
Mixed water at 40°C	224	

Warmer Climate



EN 16147		
Declared load profile	L	
Efficiency ηDHW	78 %	
СОР	1.73	
Heating up time	01:23:00 h:min	
Standby power input	158.9 W	
Reference hot water temperature	57.8 °C	
Mixed water at 40°C	224	

Colder Climate

EN 16147		
Declared load profile	L	
Efficiency ηDHW	78 %	
СОР	1.73	
Heating up time	01:23:00 h:min	
Standby power input	158.9 W	
Reference hot water temperature	57.8 °C	
Mixed water at 40°C	224	



Model: ECOGEO B3 1-9kW

Configure model		
Model name	ECOGEO B3 1-9kW	
Application	Heating (medium temp)	
Units	Indoor	
Climate Zone	Colder Climate + Warmer Climate	
Reversibility	Yes	
Cooling mode application (optional)	n/a	

General Data		
Power supply	1x230V 50Hz	

Heating

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

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

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}	193 %	140 %
Prated	11.00 kW	11.00 kW
SCOP	4.84	3.51
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	9.69 kW	9.46 kW
COP Tj = -7°C	3.81	2.60
Cdh Tj = -7 °C	0.990	0.990
Pdh Tj = +2°C	5.98 kW	6.07 kW
COP Tj = +2°C	4.89	3.52
Cdh Tj = +2 °C	0.990	0.990
Pdh Tj = +7°C	3.81 kW	3.95 kW
COP Tj = +7°C	5.74	4.31
Cdh Tj = +7 °C	0.980	0.980
Pdh Tj = 12°C	1.73 kW	1.67 kW





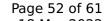
COP Tj = 12°C	4.93	3.80
Cdh Tj = +12 °C	0.960	0.970
Pdh Tj = Tbiv	10.85 kW	10.06 kW
COP Tj = Tbiv	3.52	2.38
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.85 kW	10.06 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.52	2.38
WTOL	60 °C	60 °C
Poff	11 W	11 W
РТО	11 W	11 W
PSB	11 W	11 W
PCK	o w	o w
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.15 kW	0.94 kW
Annual energy consumption Qhe	4699 kWh	6418 kWh

Warmer Climate

EN 14825		
	Low temperature	Medium temperature
η_{S}	192 %	144 %
Prated	11.00 kW	11.00 kW
SCOP	4.80	3.61
	'	



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Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	10.85 kW	10.06 kW
COP Tj = +2°C	3.52	2.38
Cdh Tj = +2 °C	0.990	0.990
Pdh Tj = +7°C	7.62 kW	7.21 kW
COP Tj = +7°C	4.31	3.12
Cdh Tj = +7 °C	0.990	0.990
Pdh Tj = 12°C	3.33 kW	3.26 kW
COP Tj = 12°C	5.72	4.50
Cdh Tj = +12 °C	0.980	0.980
Pdh Tj = Tbiv	10.85 kW	10.06 kW
COP Tj = Tbiv	3.52	2.38
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.85 kW	10.06 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.52	2.38
WTOL	60 °C	60 °C
Poff	11 W	11 W
РТО	11 W	11 W
PSB	11 W	11 W
РСК	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity





Supplementary Heater: PSUP	0.15 kW	0.94 kW
Annual energy consumption Qhe	3062 kWh	4033 kWh

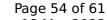
EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	54 dB(A)	54 dB(A)	

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	0.990	0.990
Pdh Tj = +2°C	4.33 kW	4.19 kW
COP Tj = +2°C	5.47	4.96
Cdh Tj = +2 °C	0.980	0.980



Pdh Tj = $+7^{\circ}$ C	2.73 kW	2.69 kW
$COP Tj = +7^{\circ}C$	5.74	6.00
Cdh Tj = +7 °C	0.970	0.970
Pdh Tj = 12°C	1.30 kW	1.30 kW
COP Tj = 12°C	3.91	5.15
Cdh Tj = +12 °C	0.960	0.950
Pdh Tj = Tbiv	7.59 kW	7.56 kW
COP Tj = Tbiv	4.53	3.20
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.85 kW	10.06 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.52	2.38
WTOL	60 °C	60 °C
Poff	11 W	11 W
РТО	11 W	11 W
PSB	11 W	11 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.15 kW	0.94 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





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



Model: ECOGEO B4 1-9kW

Configure model		
Model name	ECOGEO B4 1-9kW	
Application	Heating (medium temp)	
Units	Indoor	
Climate Zone	Colder Climate + Warmer Climate	
Reversibility	Yes	
Cooling mode application (optional)	n/a	

General Data		
Power supply	1x230V 50Hz	

Heating

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

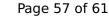
EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

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}	193 %	140 %
Prated	11.00 kW	11.00 kW
SCOP	4.84	3.51
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	9.69 kW	9.46 kW
COP Tj = -7°C	3.81	2.60
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





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COP Tj = 12°C	4.93	3.80
Cdh Tj = +12 °C	0.96	0.97
Pdh Tj = Tbiv	10.85 kW	10.06 kW
COP Tj = Tbiv	3.52	2.38
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.85 kW	10.06 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.52	2.38
WTOL	60 °C	60 °C
Poff	11 W	11 W
РТО	11 W	11 W
PSB	11 W	11 W
PCK	o 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

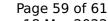
Warmer Climate

EN 14825		
	Low temperature	Medium temperature
ης	192 %	144 %
Prated	11.00 kW	11.00 kW
SCOP	4.80	3.61
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Page 58 of 61 This information was generated by the HP KEYMARK database on 18 Mar 2022

, and the state of		tit database on 10 Mai 202
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	10.85 kW	10.06 kW
COP Tj = +2°C	3.52	2.38
Cdh Tj = +2 °C	0.99	0.99
Pdh Tj = $+7^{\circ}$ C	7.62 kW	7.21 kW
$COP Tj = +7^{\circ}C$	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	10.85 kW	10.06 kW
COP Tj = Tbiv	3.52	2.38
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.85 kW	10.06 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.52	2.38
WTOL	60 °C	60 °C
Poff	11 W	11 W
РТО	11 W	11 W
PSB	11 W	11 W
PCK	o 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

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

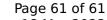
Colder Climate

EN 14825		
	Low temperatur	e 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	0.990	0.990
Pdh Tj = +2°C	4.33 kW	4.19 kW
COP Tj = +2°C	5.47	4.96
Cdh Tj = +2 °C	0.980	0.980
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This information was generated by the HP REYMARK database on 18 Mar 2022			
Pdh Tj = $+7$ °C	2.73 kW	2.69 kW	
COP Tj = +7°C	5.74	6.00	
Cdh Tj = +7 °C	0.970	0.970	
Pdh Tj = 12°C	1.30 kW	1.30 kW	
COP Tj = 12°C	3.91	5.15	
Cdh Tj = +12 °C	0.960	0.950	
Pdh Tj = Tbiv	7.59 kW	7.56 kW	
COP Tj = Tbiv	4.53	3.20	
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.85 kW	10.06 kW	
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.52	2.38	
WTOL	60 °C	60 °C	
Poff	11 W	11 W	
РТО	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	





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