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This information was generated by the HP KEYMARK database on 18 Mar 2022

Login

Summary of	ECOGEO B/C 3 3-12kW	Reg. No.	011-1W0330	
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 Ko	DIN CERTCO Gesellschaft für Konformitätsbewertung mbH		
Subtype title	ECOGEO B/C 3 3-12kW	ECOGEO B/C 3 3-12kW		
Heat Pump Type	Brine/Water			
Refrigerant	R410A	R410A		
Mass of Refrigerant	1 kg	1 kg		
Certification Date	28.05.2019			



Model: ECOGEO C3 T 3-12kW

Configure model		
Model name ECOGEO C3 T 3-12kW		
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	7.30 kW	6.65 kW
El input	1.60 kW	2.28 kW
СОР	4.55	2.91

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



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}	198 %	146 %
Prated	15.00 kW	15.00 kW
SCOP	4.95	3.65
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	12.42 kW	11.87 kW
COP Tj = -7°C	4.05	2.81
Cdh Tj = -7 °C	0.99	0.99
Pdh Tj = +2°C	8.47 kW	8.48 kW
COP Tj = +2°C	5.01	3.62
Cdh Tj = +2 °C	0.99	0.99
Pdh Tj = +7°C	5.34 kW	5.56 kW
COP Tj = +7°C	5.61	4.29
Cdh Tj = +7 °C	0.98	0.99
Pdh Tj = 12°C	2.45 kW	2.47 kW





COP Tj = 12°C	5.18	4.38
Cdh Tj = +12 °C	0.97	0.97
Pdh Tj = Tbiv	15.16 kW	13.95 kW
COP Tj = Tbiv	3.63	2.56
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	15.16 kW	13.95 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.63	2.56
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	6.00 kW	6.00 kW
Annual energy consumption Qhe	6266 kWh	8259 kWh

Warmer Climate

EN 14825		
	Low temperature	Medium temperature
η_{S}	191 %	148 %
Prated	15.00 kW	15.00 kW
SCOP	4.78	3.70



This information was genera	ted by the HP KEYMAR	RK database on 18 Mar 202.
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	15.16 kW	13.36 kW
COP Tj = +2°C	3.63	2.58
Cdh Tj = +2 °C	0.99	0.99
Pdh Tj = +7°C	10.48 kW	9.98 kW
$COP Tj = +7^{\circ}C$	4.38	3.24
Cdh Tj = +7 °C	0.99	0.99
Pdh Tj = 12°C	4.67 kW	4.61 kW
COP Tj = 12°C	5.50	4.48
Cdh Tj = +12 °C	0.98	0.98
Pdh Tj = Tbiv	15.16 kW	13.36 kW
COP Tj = Tbiv	3.63	2.58
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	15.16 kW	13.36 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.63	2.58
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

CEN heat pump KEYMARK





Supplementary Heater: PSUP	6.00 kW	6.00 kW
Annual energy consumption Qhe	4191 kWh	5340 kWh

EN 14825		
	Low temperature	Medium temperature
η_{s}	197 %	130 %
Prated	15.00 kW	15.00 kW
SCOP	4.92	3.24
Tbiv	-10 °C	-10 °C
TOL	-22 °C	-22 °C
Pdh Tj = -7°C	9.89 kW	9.46 kW
COP Tj = -7°C	4.56	3.73
Cdh Tj = -7 °C	0.99	0.99
Pdh Tj = +2°C	6.04 kW	5.90 kW
COP Tj = +2°C	5.34	4.78
Cdh Tj = +2 °C	0.98	0.99
Pdh Tj = +7°C	3.86 kW	3.50 kW
$COP Tj = +7^{\circ}C$	5.54	5.64
Cdh Tj = +7 °C	0.98	0.98
Pdh Tj = 12°C	1.97 kW	1.99 kW





COP Tj = 12°C	4.64	5.99
Cdh Tj = +12 °C	0.97	0.97
Pdh Tj = Tbiv	9.67 kW	9.71 kW
COP Tj = Tbiv	4.75	3.40
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	15.16 kW	13.95 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.63	2.56
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	6.00 kW	6.00 kW
Annual energy consumption Qhe	7515 kWh	11094 kWh
Pdh Tj = -15°C (if TOL<-20°C)	13.30	12.58
COP Tj = -15 °C (if TOL< -20 °C)	4.16	3.14
Cdh Tj = -15 °C	0.99	0.99

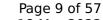
Domestic Hot Water (DHW)



EN 16147		
Declared load profile	L	
Efficiency ηDHW	81 %	
СОР	2.00	
Heating up time	01:18:30 h:min	
Standby power input	102.2 W	
Reference hot water temperature	58.1 °C	
Mixed water at 40°C	233 I	

Warmer Climate

EN 16147		
Declared load profile	L	
Efficiency ηDHW	81 %	
СОР	2.00	
Heating up time	01:18:30 h:min	
Standby power input	102.2 W	
Reference hot water temperature	58.1 °C	
Mixed water at 40°C	233 I	





EN 16147		
Declared load profile	L	
Efficiency ηDHW	81 %	
СОР	2.00	
Heating up time	01:18:30 h:min	
Standby power input	102.2 W	
Reference hot water temperature	58.1 °C	
Mixed water at 40°C	233 I	



Model: ECOGEO C4 T 3-12kW

Configure model		
Model name	ECOGEO C4 T 3-12kW	
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

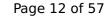
EN 14511-2		
	Low temperature	Medium temperature
Heat output	7.30 kW	6.65 kW
El input	1.60 kW	2.28 kW
СОР	4.55	2.91

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



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}	198 %	146 %
Prated	15.00 kW	15.00 kW
SCOP	4.95	3.65
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	12.42 kW	11.87 kW
COP Tj = -7°C	4.05	2.81
Cdh Tj = -7 °C	0.99	0.99
Pdh Tj = +2°C	8.47 kW	8.48 kW
COP Tj = +2°C	5.01	3.62
Cdh Tj = +2 °C	0.99	0.99
Pdh Tj = +7°C	5.34 kW	5.56 kW
COP Tj = +7°C	5.61	4.29
Cdh Tj = +7 °C	0.98	0.99
Pdh Tj = 12°C	2.45 kW	2.47 kW





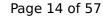
COP Tj = 12°C	5.18	4.38
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COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.63	2.56
WTOL	60 °C	60 °C
Poff	11 W	11 W
РТО	11 W	11 W
PSB	11 W	11 W
PCK	o w	o w
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	6.00 kW	6.00 kW
Annual energy consumption Qhe	6266 kWh	8259 kWh

Warmer Climate

EN 14825		
	Low temperature	Medium temperature
η_{S}	191 %	148 %
Prated	15.00 kW	15.00 kW
SCOP	4.78	3.70
	,	



2 °C	2.06
	2 °C
2 °C	2 °C
15.16 kW	13.36 kW
3.63	2.58
0.99	0.99
10.48 kW	9.98 kW
4.38	3.24
0.99	0.99
4.67 kW	4.61 kW
5.50	4.48
0.98	0.98
15.16 kW	13.36 kW
3.63	2.58
15.16 kW	13.36 kW
3.63	2.58
60 °C	60 °C
11 W	11 W
11 W	11 W
11 W	11 W
0 W	0 W
Electricity	Electricity
	15.16 kW 3.63 0.99 10.48 kW 4.38 0.99 4.67 kW 5.50 0.98 15.16 kW 3.63 15.16 kW 3.63 15.10 kW 11 W 11 W





Supplementary Heater: PSUP	6.00 kW	6.00 kW
Annual energy consumption Qhe	4191 kWh	5340 kWh

EN 14825		
	Low temperature	Medium temperature
η_{s}	197 %	130 %
Prated	15.00 kW	15.00 kW
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Tbiv	-10 °C	-10 °C
TOL	-22 °C	-22 °C
Pdh Tj = -7°C	9.89 kW	9.46 kW
COP Tj = -7°C	4.56	3.73
Cdh Tj = -7 °C	0.99	0.99
Pdh Tj = +2°C	6.04 kW	5.90 kW
COP Tj = +2°C	5.34	4.78
Cdh Tj = +2 °C	0.98	0.99
Pdh Tj = +7°C	3.86 kW	3.50 kW
COP Tj = +7°C	5.54	5.64
Cdh Tj = +7 °C	0.98	0.98
Pdh Tj = 12°C	1.97 kW	1.99 kW





COP Tj = 12°C	4.64	5.99
Cdh Tj = +12 °C	0.97	0.97
Pdh Tj = Tbiv	9.67 kW	9.71 kW
COP Tj = Tbiv	4.75	3.40
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	15.16 kW	13.95 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.63	2.56
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	6.00 kW	6.00 kW
Annual energy consumption Qhe	7515 kWh	11094 kWh
Pdh Tj = -15°C (if TOL<-20°C)	13.30	12.58
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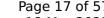
Domestic Hot Water (DHW)



EN 16147		
Declared load profile	L	
Efficiency ηDHW	81 %	
СОР	2.00	
Heating up time	01:18:30 h:min	
Standby power input	102.2 W	
Reference hot water temperature	58.1 °C	
Mixed water at 40°C	233 I	

Warmer Climate

EN 16147	
Declared load profile	L
Efficiency ηDHW	81 %
СОР	2.00
Heating up time	01:18:30 h:min
Standby power input	102.2 W
Reference hot water temperature	58.1 °C
Mixed water at 40°C	233 I





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EN 16147		
Declared load profile	L	
Efficiency ηDHW	81 %	
СОР	2.00	
Heating up time	01:18:30 h:min	
Standby power input	102.2 W	
Reference hot water temperature	58.1 °C	
Mixed water at 40°C	233 I	



Model: ECOGEO B3 T 3-12kW

Configure model		
Model name	ECOGEO B3 T 3-12kW	
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	7.30 kW	6.65 kW	
El input	1.60 kW	2.28 kW	
СОР	4.55	2.91	

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



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}	198 %	146 %
Prated	15.00 kW	15.00 kW
SCOP	4.95	3.65
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	12.42 kW	11.87 kW
COP Tj = -7°C	4.05	2.81
Cdh Tj = -7 °C	0.99	0.99
Pdh Tj = +2°C	8.47 kW	8.48 kW
COP Tj = +2°C	5.01	3.62
Cdh Tj = +2 °C	0.99	0.99
Pdh Tj = +7°C	5.34 kW	5.56 kW
COP Tj = +7°C	5.61	4.29
Cdh Tj = +7 °C	0.98	0.99
Pdh Tj = 12°C	2.45 kW	2.47 kW





COP Tj = 12°C	5.18	4.38
Cdh Tj = +12 °C	0.97	0.97
Pdh Tj = Tbiv	15.16 kW	13.95 kW
COP Tj = Tbiv	3.63	2.56
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	15.16 kW	13.95 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.63	2.56
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	6.00 kW	6.00 kW
Annual energy consumption Qhe	6266 kWh	8259 kWh

Warmer Climate

EN 14825		
	Low temperature	Medium temperature
η_{s}	191 %	148 %
Prated	15.00 kW	15.00 kW
SCOP	4.78	3.70





I his information was genera	ted by the fill RETHA	TR database on 10 Mai 202
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	15.16 kW	13.36 kW
$COPTj = +2^{\circ}C$	3.63	2.58
Cdh Tj = +2 °C	0.99	0.99
Pdh Tj = $+7$ °C	10.48 kW	9.98 kW
$COPTj = +7^{\circ}C$	4.38	3.24
Cdh Tj = $+7$ °C	0.99	0.99
Pdh Tj = 12°C	4.67 kW	4.61 kW
COP Tj = 12°C	5.50	4.48
Cdh Tj = +12 °C	0.98	0.98
Pdh Tj = Tbiv	15.16 kW	13.36 kW
COP Tj = Tbiv	3.63	2.58
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	15.16 kW	13.36 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.63	2.58
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	6.00 kW	6.00 kW
Annual energy consumption Qhe	4191 kWh	5340 kWh

EN 14825		
	Low temperature	Medium temperature
η_{s}	197 %	130 %
Prated	15.00 kW	15.00 kW
SCOP	4.92	3.24
Tbiv	-10 °C	-10 °C
TOL	-22 °C	-22 °C
Pdh Tj = -7°C	9.89 kW	9.46 kW
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Pdh Tj = +2°C	6.04 kW	5.90 kW
COP Tj = +2°C	5.34	4.78
Cdh Tj = +2 °C	0.98	0.99
Pdh Tj = +7°C	3.86 kW	3.50 kW
COP Tj = +7°C	5.54	5.64
Cdh Tj = +7 °C	0.98	0.98
Pdh Tj = 12°C	1.97 kW	1.99 kW



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COP Tj = 12°C	4.64	5.99
Cdh Tj = +12 °C	0.97	0.97
Pdh Tj = Tbiv	9.67 kW	9.71 kW
COP Tj = Tbiv	4.75	3.40
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	15.16 kW	13.95 kW
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WTOL	60 °C	60 °C
Poff	11 W	11 W
РТО	11 W	11 W
PSB	11 W	11 W
PCK	0 W	o w
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	6.00 kW	6.00 kW
Annual energy consumption Qhe	7515 kWh	11094 kWh
Pdh Tj = -15°C (if TOL<-20°C)	13.30	12.58
COP Tj = -15°C (if TOL $<$ -20°C)	4.16	3.14
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Model: ECOGEO B4 T 3-12kW

Configure model		
Model name ECOGEO B4 T 3-12kW		
Application	Heating (medium temp)	
Units	Indoor	
Climate Zone	Colder Climate + Warmer Climate	
Reversibility Yes		
Cooling mode application (optional)	n/a	

General Data		
Power supply	Power supply 3x400V 50Hz	

Heating

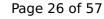
EN 14511-2			
Low temperature Medium temperature			
Heat output	7.30 kW	6.65 kW	
El input	1.60 kW	2.28 kW	
СОР	4.55	2.91	

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



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}	198 %	146 %
Prated	15.00 kW	15.00 kW
SCOP	4.95	3.65
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	12.42 kW	11.87 kW
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Pdh Tj = +2°C	8.47 kW	8.48 kW
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Pdh Tj = +7°C	5.34 kW	5.56 kW
COP Tj = +7°C	5.61	4.29
Cdh Tj = +7 °C	0.98	0.99
Pdh Tj = 12°C	2.45 kW	2.47 kW

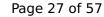




COP Tj = 12°C	5.18	4.38
Cdh Tj = +12 °C	0.97	0.97
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COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.63	2.56
WTOL	60 °C	60 °C
Poff	11 W	11 W
РТО	11 W	11 W
PSB	11 W	11 W
PCK	o w	o w
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	6.00 kW	6.00 kW
Annual energy consumption Qhe	6266 kWh	8259 kWh

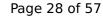
Warmer Climate

EN 14825		
	Low temperature	Medium temperature
η_{S}	191 %	148 %
Prated	15.00 kW	15.00 kW
SCOP	4.78	3.70





This information was genera	ted by the Hi KETMAI	TR database on 10 mar 2022
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = $+2$ °C	15.16 kW	13.36 kW
COP Tj = +2°C	3.63	2.58
Cdh Tj = +2 °C	0.99	0.99
Pdh Tj = $+7^{\circ}$ C	10.48 kW	9.98 kW
$COPTj = +7^{\circ}C$	4.38	3.24
Cdh Tj = +7 °C	0.99	0.99
Pdh Tj = 12°C	4.67 kW	4.61 kW
COP Tj = 12°C	5.50	4.48
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COP Tj = Tbiv	3.63	2.58
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	15.16 kW	13.36 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.63	2.58
WTOL	60 °C	60 °C
Poff	11 W	11 W
РТО	11 W	11 W
PSB	11 W	11 W
РСК	0 W	o w
Supplementary Heater: Type of energy input	Electricity	Electricity





Supplementary Heater: PSUP	6.00 kW	6.00 kW
Annual energy consumption Qhe	4191 kWh	5340 kWh

Colder Climate

EN 14825		
	Low temperature	Medium temperature
η_{s}	197 %	130 %
Prated	15.00 kW	15.00 kW
SCOP	4.92	3.24
Tbiv	-10 °C	-10 °C
TOL	-22 °C	-22 °C
Pdh Tj = -7°C	9.89 kW	9.46 kW
COP Tj = -7°C	4.56	3.73
Cdh Tj = -7 °C	0.99	0.99
Pdh Tj = +2°C	6.04 kW	5.90 kW
COP Tj = +2°C	5.34	4.78
Cdh Tj = +2 °C	0.98	0.99
Pdh Tj = +7°C	3.86 kW	3.50 kW
COP Tj = +7°C	5.54	5.64
Cdh Tj = +7 °C	0.98	0.98
Pdh Tj = 12°C	1.97 kW	1.99 kW



The same state of the same sta		
COP Tj = 12°C	4.64	5.99
Cdh Tj = +12 °C	0.97	0.97
Pdh Tj = Tbiv	9.67 kW	9.71 kW
COP Tj = Tbiv	4.75	3.40
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	15.16 kW	13.95 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.63	2.56
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	6.00 kW	6.00 kW
Annual energy consumption Qhe	7515 kWh	11094 kWh
Pdh Tj = -15°C (if TOL<-20°C)	13.30	12.58
COP Tj = -15°C (if TOL<-20°C)	4.16	3.14
Cdh Tj = -15 °C	0.99	0.99
I and the second	1	



Model: ECOGEO C3 3-12kW

Configure model		
Model name ECOGEO C3 3-12kW		
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	7.30 kW	6.65 kW	
El input	1.60 kW	2.28 kW	
СОР	4.55	2.91	

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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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}	198 %	146 %
Prated	15.00 kW	15.00 kW
SCOP	4.95	3.65
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	12.42 kW	11.87 kW
$COP Tj = -7^{\circ}C$	4.05	2.81
Cdh Tj = -7 °C	0.99	0.99
Pdh Tj = +2°C	8.47 kW	8.48 kW
COP Tj = +2°C	5.01	3.62
Cdh Tj = +2 °C	0.99	0.99
Pdh Tj = $+7^{\circ}$ C	5.34 kW	5.56 kW
$COP Tj = +7^{\circ}C$	5.61	4.29
Cdh Tj = +7 °C	0.98	0.99
Pdh Tj = 12°C	2.45 kW	2.47 kW





This information	n was generated b	v the HP KEYMARK	database on 18	Mar 2022

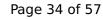
Cdh Tj = +12 °C 0.97 0.97 Pdh Tj = Tbiv 15.16 kW 13.95 kW COP Tj = Tbiv 3.63 2.56 Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh 15.16 kW 13.95 kW COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh 3.63 2.56 WTOL 60 °C 60 °C Poff 11 W 11 W PTO 11 W 11 W PSB 11 W 11 W PCK 0 W 0 W Supplementary Heater: Type of energy input Electricity Electricity Supplementary Heater: PSUP 6.00 kW 6.00 kW			
Pdh Tj = Tbiv 15.16 kW 13.95 kW COP Tj = Tbiv 3.63 2.56 Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	COP Tj = 12°C	5.18	4.38
COP Tj = Tbiv 3.63 2.56 Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	Cdh Tj = +12 °C	0.97	0.97
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	Pdh Tj = Tbiv	15.16 kW	13.95 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	COP Tj = Tbiv	3.63	2.56
WTOL 60 °C 60 °C 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 6.00 kW 6.00 kW	Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	15.16 kW	13.95 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 6.00 kW 6.00 kW	COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.63	2.56
PTO 11 W 11 W PSB 11 W 0 W 0 W Supplementary Heater: Type of energy input Electricity Electricity Supplementary Heater: PSUP 6.00 kW 6.00 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 6.00 kW 6.00 kW	Poff	11 W	11 W
PCK 0 W 0 W Supplementary Heater: Type of energy input Electricity Electricity Supplementary Heater: PSUP 6.00 kW 6.00 kW	РТО	11 W	11 W
Supplementary Heater: Type of energy input Electricity Electricity Supplementary Heater: PSUP 6.00 kW 6.00 kW	PSB	11 W	11 W
Supplementary Heater: PSUP 6.00 kW 6.00 kW	PCK	o w	o w
	Supplementary Heater: Type of energy input	Electricity	Electricity
Annual energy consumption Qhe 6266 kWh 8259 kWh	Supplementary Heater: PSUP	6.00 kW	6.00 kW
	Annual energy consumption Qhe	6266 kWh	8259 kWh

Warmer Climate

EN 14825		
	Low temperature	Medium temperature
η_s	191 %	148 %
Prated	15.00 kW	15.00 kW
SCOP	4.78	3.70
	·	



Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = $+2$ °C	15.16 kW	13.36 kW
COP Tj = +2°C	3.63	2.58
Cdh Tj = +2 °C	0.99	0.99
Pdh Tj = +7°C	10.48 kW	9.98 kW
$COP Tj = +7^{\circ}C$	4.38	3.24
Cdh Tj = +7 °C	0.99	0.99
Pdh Tj = 12°C	4.67 kW	4.61 kW
COP Tj = 12°C	5.50	4.48
Cdh Tj = +12 °C	0.98	0.98
Pdh Tj = Tbiv	15.16 kW	13.36 kW
COP Tj = Tbiv	3.63	2.58
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	15.16 kW	13.36 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.63	2.58
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





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Supplementary Heater: PSUP	6.00 kW	6.00 kW
Annual energy consumption Qhe	4191 kWh	5340 kWh

EN 14825		
	Low temperature	Medium temperature
η_{s}	197 %	130 %
Prated	15.00 kW	15.00 kW
SCOP	4.92	3.24
Tbiv	-10 °C	-10 °C
TOL	-22 °C	-22 °C
Pdh Tj = -7°C	9.89 kW	9.46 kW
COP Tj = -7°C	4.56	3.73
Cdh Tj = -7 °C	0.99	0.99
Pdh Tj = +2°C	6.04 kW	5.90 kW
COP Tj = +2°C	5.34	4.78
Cdh Tj = +2 °C	0.98	0.99
Pdh Tj = +7°C	3.86 kW	3.50 kW
COP Tj = +7°C	5.54	5.64
Cdh Tj = +7 °C	0.98	0.98
Pdh Tj = 12°C	1.97 kW	1.99 kW



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This information was generated by the HP KEYMARK database on 18 Mar 2022

COP Tj = 12°C	4.64	5.99
Cdh Tj = +12 °C	0.97	0.97
Pdh Tj = Tbiv	9.67 kW	9.71 kW
COP Tj = Tbiv	4.75	3.40
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	15.16 kW	13.95 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.63	2.56
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	6.00 kW	6.00 kW
Annual energy consumption Qhe	7515 kWh	11094 kWh
Pdh Tj = -15°C (if TOL<-20°C)	13.30	12.58
COP Tj = -15°C (if TOL<-20°C)	4.16	3.14
Cdh Tj = -15 °C	0.99	0.99

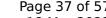
Domestic Hot Water (DHW)



EN 16147		
Declared load profile	L	
Efficiency ηDHW	81 %	
СОР	2.00	
Heating up time	01:18:30 h:min	
Standby power input	102.2 W	
Reference hot water temperature	58.1 °C	
Mixed water at 40°C	233 I	

Warmer Climate

EN 16147		
Declared load profile	L	
Efficiency ηDHW	81 %	
СОР	2.00	
Heating up time	01:18:30 h:min	
Standby power input	102.2 W	
Reference hot water temperature	58.1 °C	
Mixed water at 40°C	233 I	





$$\operatorname{\textit{Page}}\xspace$ 37 of 57 This information was generated by the HP KEYMARK database on 18 Mar 2022

EN 16147	
Declared load profile	L
Efficiency ηDHW	81 %
СОР	2.00
Heating up time	01:18:30 h:min
Standby power input	102.2 W
Reference hot water temperature	58.1 °C
Mixed water at 40°C	233 I



Model: ECOGEO C4 3-12kW

Configure model		
Model name	ECOGEO C4 3-12kW	
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	7.30 kW	6.65 kW
El input	1.60 kW	2.28 kW
СОР	4.55	2.91

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



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}	198 %	146 %
Prated	15.00 kW	15.00 kW
SCOP	4.95	3.65
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	12.42 kW	11.87 kW
COP Tj = -7°C	4.05	2.81
Cdh Tj = -7 °C	0.99	0.99
Pdh Tj = +2°C	8.47 kW	8.48 kW
COP Tj = +2°C	5.01	3.62
Cdh Tj = +2 °C	0.99	0.99
Pdh Tj = +7°C	5.34 kW	5.56 kW
COP Tj = +7°C	5.61	4.29
Cdh Tj = +7 °C	0.98	0.99
Pdh Tj = 12°C	2.45 kW	2.47 kW

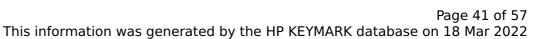




Cdh Tj = +12 °C 0.97 0.97 Pdh Tj = Tbiv 15.16 kW 13.95 kW COP Tj = Tbiv 3.63 2.56 Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh 15.16 kW 13.95 kW COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh 3.63 2.56 WTOL 60 °C 60 °C Poff 11 W 11 W PTO 11 W 11 W PSB 11 W 11 W PCK 0 W 0 W Supplementary Heater: Type of energy input Electricity Electricity Supplementary Heater: PSUP 6.00 kW 6.00 kW			
Pdh Tj = Tbiv 15.16 kW 13.95 kW COP Tj = Tbiv 3.63 2.56 Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	COP Tj = 12°C	5.18	4.38
COP Tj = Tbiv 3.63 2.56 Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	Cdh Tj = +12 °C	0.97	0.97
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	Pdh Tj = Tbiv	15.16 kW	13.95 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	COP Tj = Tbiv	3.63	2.56
WTOL 60 °C 60 °C 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 6.00 kW 6.00 kW	Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	15.16 kW	13.95 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 6.00 kW 6.00 kW	COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.63	2.56
PTO 11 W 11 W PSB 11 W 0 W 0 W Supplementary Heater: Type of energy input Electricity Electricity Supplementary Heater: PSUP 6.00 kW 6.00 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 6.00 kW 6.00 kW	Poff	11 W	11 W
PCK 0 W 0 W Supplementary Heater: Type of energy input Electricity Electricity Supplementary Heater: PSUP 6.00 kW 6.00 kW	РТО	11 W	11 W
Supplementary Heater: Type of energy input Electricity Electricity Supplementary Heater: PSUP 6.00 kW 6.00 kW	PSB	11 W	11 W
Supplementary Heater: PSUP 6.00 kW 6.00 kW	PCK	o w	o w
	Supplementary Heater: Type of energy input	Electricity	Electricity
Annual energy consumption Qhe 6266 kWh 8259 kWh	Supplementary Heater: PSUP	6.00 kW	6.00 kW
	Annual energy consumption Qhe	6266 kWh	8259 kWh

Warmer Climate

EN 14825		
Low temperature	Medium temperature	
191 %	148 %	
15.00 kW	15.00 kW	
4.78	3.70	
	Low temperature 191 % 15.00 kW	





		NK database on 10 Mai 202.
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = $+2^{\circ}$ C	15.16 kW	13.36 kW
COP Tj = +2°C	3.63	2.58
Cdh Tj = +2 °C	0.99	0.99
Pdh Tj = $+7^{\circ}$ C	10.48 kW	9.98 kW
$COP Tj = +7^{\circ}C$	4.38	3.24
Cdh Tj = +7 °C	0.99	0.99
Pdh Tj = 12°C	4.67 kW	4.61 kW
COP Tj = 12°C	5.50	4.48
Cdh Tj = $+12$ °C	0.98	0.98
Pdh Tj = Tbiv	15.16 kW	13.36 kW
COP Tj = Tbiv	3.63	2.58
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	15.16 kW	13.36 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.63	2.58
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

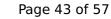




Supplementary Heater: PSUP	6.00 kW	6.00 kW
Annual energy consumption Qhe	4191 kWh	5340 kWh

Colder Climate

EN 14825		
	Low temperature	Medium temperature
η_{s}	197 %	130 %
Prated	15.00 kW	15.00 kW
SCOP	4.92	3.24
Tbiv	-10 °C	-10 °C
TOL	-22 °C	-22 °C
Pdh Tj = -7°C	9.89 kW	9.46 kW
COP Tj = -7°C	4.56	3.73
Cdh Tj = -7 °C	0.99	0.99
Pdh Tj = +2°C	6.04 kW	5.90 kW
COP Tj = +2°C	5.34	4.78
Cdh Tj = +2 °C	0.98	0.99
Pdh Tj = +7°C	3.86 kW	3.50 kW
COP Tj = +7°C	5.54	5.64
Cdh Tj = +7 °C	0.98	0.98
Pdh Tj = 12°C	1.97 kW	1.99 kW





COP Tj = 12°C	4.64	5.99
Cdh Tj = +12 °C	0.97	0.97
Pdh Tj = Tbiv	9.67 kW	9.71 kW
COP Tj = Tbiv	4.75	3.40
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	15.16 kW	13.95 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.63	2.56
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	6.00 kW	6.00 kW
Annual energy consumption Qhe	7515 kWh	11094 kWh
Pdh Tj = -15°C (if TOL<-20°C)	13.30	12.58
COP Tj = -15°C (if TOL<-20°C)	4.16	3.14
Cdh Tj = -15 °C	0.99	0.99

Domestic Hot Water (DHW)

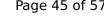


EN 16147	
Declared load profile	L
Efficiency ηDHW	81 %
СОР	2.00
Heating up time	01:18:30 h:min
Standby power input	102.2 W
Reference hot water temperature	58.1 °C
Mixed water at 40°C	233 I

Warmer Climate

EN 16147	
Declared load profile	L
Efficiency ηDHW	81 %
СОР	2.00
Heating up time	01:18:30 h:min
Standby power input	102.2 W
Reference hot water temperature	58.1 °C
Mixed water at 40°C	233 I

Colder Climate





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EN 16147	
Declared load profile	L
Efficiency ηDHW	81 %
СОР	2.00
Heating up time	01:18:30 h:min
Standby power input	102.2 W
Reference hot water temperature	58.1 °C
Mixed water at 40°C	233 I



Model: ECOGEO B3 3-12kW

Configure model	
Model name	ECOGEO B3 3-12kW
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	7.30 kW	6.65 kW
El input	1.60 kW	2.28 kW
СОР	4.55	2.91

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



	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}	198 %	146 %
Prated	15.00 kW	15.00 kW
SCOP	4.95	3.65
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	12.42 kW	11.87 kW
COP Tj = -7°C	4.05	2.81
Cdh Tj = -7 °C	0.99	0.99
Pdh Tj = +2°C	8.47 kW	8.48 kW
COP Tj = +2°C	5.01	3.62
Cdh Tj = +2 °C	0.99	0.99
Pdh Tj = +7°C	5.34 kW	5.56 kW
$COP Tj = +7^{\circ}C$	5.61	4.29
Cdh Tj = +7 °C	0.98	0.99
Pdh Tj = 12°C	2.45 kW	2.47 kW





Cdh Tj = +12 °C 0.97 0.97 Pdh Tj = Tbiv 15.16 kW 13.95 kW COP Tj = Tbiv 3.63 2.56 Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh 15.16 kW 13.95 kW COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh 3.63 2.56 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 6.00 kW 6.00 kW			
Pdh Tj = Tbiv 15.16 kW 13.95 kW COP Tj = Tbiv 3.63 2.56 Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	COP Tj = 12°C	5.18	4.38
COP Tj = Tbiv 3.63 2.56 Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	Cdh Tj = +12 °C	0.97	0.97
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	Pdh Tj = Tbiv	15.16 kW	13.95 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	COP Tj = Tbiv	3.63	2.56
WTOL 60 °C 60 °C 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 6.00 kW 6.00 kW	Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	15.16 kW	13.95 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 6.00 kW 6.00 kW	COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.63	2.56
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 6.00 kW 6.00 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 6.00 kW 6.00 kW	Poff	11 W	11 W
PCK 0 W 0 W Supplementary Heater: Type of energy input Electricity Electricity Supplementary Heater: PSUP 6.00 kW 6.00 kW	РТО	11 W	11 W
Supplementary Heater: Type of energy input Electricity Electricity Supplementary Heater: PSUP 6.00 kW 6.00 kW	PSB	11 W	11 W
Supplementary Heater: PSUP 6.00 kW 6.00 kW	PCK	o w	o w
	Supplementary Heater: Type of energy input	Electricity	Electricity
Annual energy consumption Qhe 6266 kWh 8259 kWh	Supplementary Heater: PSUP	6.00 kW	6.00 kW
	Annual energy consumption Qhe	6266 kWh	8259 kWh

Warmer Climate

EN 14825		
Low temperature	Medium temperature	
191 %	148 %	
15.00 kW	15.00 kW	
4.78	3.70	
	Low temperature 191 % 15.00 kW	





2 °C	2.06
	2 °C
2 °C	2 °C
15.16 kW	13.36 kW
3.63	2.58
0.99	0.99
10.48 kW	9.98 kW
4.38	3.24
0.99	0.99
4.67 kW	4.61 kW
5.50	4.48
0.98	0.98
15.16 kW	13.36 kW
3.63	2.58
15.16 kW	13.36 kW
3.63	2.58
60 °C	60 °C
11 W	11 W
11 W	11 W
11 W	11 W
0 W	0 W
Electricity	Electricity
	15.16 kW 3.63 0.99 10.48 kW 4.38 0.99 4.67 kW 5.50 0.98 15.16 kW 3.63 15.16 kW 3.63 15.10 kW 11 W 11 W





Supplementary Heater: PSUP	6.00 kW	6.00 kW
Annual energy consumption Qhe	4191 kWh	5340 kWh

Colder Climate

EN 14825		
	Low temperature	Medium temperature
η_{s}	197 %	130 %
Prated	15.00 kW	15.00 kW
SCOP	4.92	3.24
Tbiv	-10 °C	-10 °C
TOL	-22 °C	-22 °C
Pdh Tj = -7°C	9.89 kW	9.46 kW
COP Tj = -7°C	4.56	3.73
Cdh Tj = -7 °C	0.99	0.99
Pdh Tj = +2°C	6.04 kW	5.90 kW
COP Tj = +2°C	5.34	4.78
Cdh Tj = +2 °C	0.98	0.99
Pdh Tj = +7°C	3.86 kW	3.50 kW
COP Tj = +7°C	5.54	5.64
Cdh Tj = +7 °C	0.98	0.98
Pdh Tj = 12°C	1.97 kW	1.99 kW



	ted by the Thi RETHIN	tit database on 10 mai 202
COP Tj = 12°C	4.64	5.99
Cdh Tj = +12 °C	0.97	0.97
Pdh Tj = Tbiv	9.67 kW	9.71 kW
COP Tj = Tbiv	4.75	3.40
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	15.16 kW	13.95 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.63	2.56
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	6.00 kW	6.00 kW
Annual energy consumption Qhe	7515 kWh	11094 kWh
Pdh Tj = -15°C (if TOL<-20°C)	13.30	12.58
COP Tj = -15 °C (if TOL< -20 °C)	4.16	3.14
Cdh Tj = -15 °C	0.99	0.99



Model: ECOGEO B4 3-12kW

Configure model		
Model name ECOGEO B4 3-12kW		
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		Medium temperature
Heat output	7.30 kW	6.65 kW
El input	1.60 kW	2.28 kW
СОР	4.55	2.91

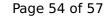
EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Starting and operating test	passed



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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}	198 %	146 %
Prated	15.00 kW	15.00 kW
SCOP	4.95	3.65
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	12.42 kW	11.87 kW
COP Tj = -7°C	4.05	2.81
Cdh Tj = -7 °C	0.99	0.99
Pdh Tj = +2°C	8.47 kW	8.48 kW
COP Tj = +2°C	5.01	3.62
Cdh Tj = +2 °C	0.99	0.99
Pdh Tj = +7°C	5.34 kW	5.56 kW
COP Tj = +7°C	5.61	4.29
Cdh Tj = +7 °C	0.98	0.99
Pdh Tj = 12°C	2.45 kW	2.47 kW





COP Tj = 12°C	5.18	4.38
Cdh Tj = +12 °C	0.97	0.97
Pdh Tj = Tbiv	15.16 kW	13.95 kW
COP Tj = Tbiv	3.63	2.56
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	15.16 kW	13.95 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.63	2.56
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	6.00 kW	6.00 kW
Annual energy consumption Qhe	6266 kWh	8259 kWh

Warmer Climate

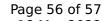
EN 14825		
	Low temp	perature Medium temperature
η_{S}	191 %	148 %
Prated	15.00 kW	15.00 kW
SCOP	4.78	3.70
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This information was generated by the HP KEYMARK database on 18 Mar 2022

This information was genera		
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = $+2^{\circ}$ C	15.16 kW	13.36 kW
COP Tj = +2°C	3.63	2.58
Cdh Tj = +2 °C	0.99	0.99
Pdh Tj = $+7^{\circ}$ C	10.48 kW	9.98 kW
$COPTj = +7^{\circ}C$	4.38	3.24
Cdh Tj = +7 °C	0.99	0.99
Pdh Tj = 12°C	4.67 kW	4.61 kW
COP Tj = 12°C	5.50	4.48
Cdh Tj = +12 °C	0.98	0.98
Pdh Tj = Tbiv	15.16 kW	13.36 kW
COP Tj = Tbiv	3.63	2.58
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	15.16 kW	13.36 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.63	2.58
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	6.00 kW	6.00 kW
Annual energy consumption Qhe	4191 kWh	5340 kWh

Colder Climate

EN 14825				
	Low temperature	Medium temperature		
η_{s}	197 %	130 %		
Prated	15.00 kW	15.00 kW		
SCOP	4.92	3.24		
Tbiv	-10 °C	-10 °C		
TOL	-22 °C	-22 °C		
Pdh Tj = -7°C	9.89 kW	9.46 kW		
COP Tj = -7°C	4.56	3.73		
Cdh Tj = -7 °C	0.99	0.99		
Pdh Tj = +2°C	6.04 kW	5.90 kW		
COP Tj = +2°C	5.34	4.78		
Cdh Tj = +2 °C	0.98	0.99		
Pdh Tj = +7°C	3.86 kW	3.50 kW		
COP Tj = +7°C	5.54	5.64		
Cdh Tj = +7 °C	0.98	0.98		
Pdh Tj = 12°C	1.97 kW	1.99 kW		



	ted by the fit RETINA	tik database on 10 mai 202
COP Tj = 12°C	4.64	5.99
Cdh Tj = +12 °C	0.97	0.97
Pdh Tj = Tbiv	9.67 kW	9.71 kW
COP Tj = Tbiv	4.75	3.40
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	15.16 kW	13.95 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.63	2.56
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	6.00 kW	6.00 kW
Annual energy consumption Qhe	7515 kWh	11094 kWh
Pdh Tj = -15°C (if TOL<-20°C)	13.30	12.58
COP Tj = -15°C (if TOL $<$ -20°C)	4.16	3.14
Cdh Tj = -15 °C	0.99	0.99
1	T .	1