

Page 1 of 31

This information was generated by the HP KEYMARK database on 25 Feb 2023

	ecoGEO B3/C3 1-6 PRO	Reg. No.	011-1W0430	
Certificate Holder				
	Ecoforest Geotermia S.L.	Ecoforest Geotermia S.L.		
	Rúa das Pontes, 25		36350	
	Nigrán (Pontevedra)		Spain	
Certification Body	DIN CERTCO Gesellschaft für Konformitätsbewertung mbH			
Subtype title	ecoGEO B3/C3 1-6 PRO			
Heat Pump Type	Brine/Water			
Refrigerant	R290			
Mass of Refrigerant	0.15 kg			
Certification Date	17.11.2020			
Testing basis	HP KEYMARK certification scheme rules rev. 7			



Page 2 of 31 This information was generated by the HP KEYMARK database on 25 Feb 2023

Model: ecoGEO C3 1-6 PRO

Configure model		
Model name ecoGEO C3 1-6 PRO		
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	2.58 kW	4.39 kW
El input	0.60 kW	1.53 kW
СОР	4.30	2.84

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

Warmer Climate

EHPA Secretariat | Rue dArlon 63-67 | Phone: +32 2 400 10 17 | Email: secretariat@heatpumpkeymark.com | www.heatpumpkeymark.com



This information was generated by the HP KEYMARK database on 25 Feb 2023

EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	44 dB(A)	44 dB(A)	

EN 14825		
	Low temperature	Medium temperature
η _s	178 %	134 %
Prated	6.00 kW	5.50 kW
SCOP	4.65	3.56
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	5.82 kW	5.50 kW
COP Tj = +2°C	3.72	2.79
Cdh Tj = +2 °C	0.990	0.990
Pdh Tj = +7°C	3.86 kW	3.55 kW
COP Tj = +7°C	4.43	3.27
Cdh Tj = +7 °C	0.990	0.990
Pdh Tj = 12°C	1.71 kW	3.44 kW
COP Tj = 12°C	5.37	4.24
Cdh Tj = +12 °C	0.960	0.990
Pdh Tj = Tbiv	5.82 kW	5.50 kW

EHPA Secretariat | Rue dArlon 63-67 | Phone: +32 2 400 10 17 | Email: secretariat@heatpumpkeymark.com | www.heatpumpkeymark.com



Page 4 of 31

This information was generated by the HP KEYMARK database on 25 Feb 2023

This mornation was generated by the HF KLIMAKK database of 25 Teb 20			
COP Tj = Tbiv	3.72	2.79	
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.82 kW	5.50 kW	
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.72	2.79	
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh			
WTOL	70 °C	70 °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	0.00 kW	0.00 kW	
Annual energy consumption Qhe	1728 kWh	2066 kWh	

Colder Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	44 dB(A)	44 dB(A)

EN 14825		
	Low temperature	Medium temperature
η _s	186 %	141 %

EHPA Secretariat | Rue dArlon 63-67 | Phone: +32 2 400 10 17 | Email: secretariat@heatpumpkeymark.com | www.heatpumpkeymark.com



Page 5 of 31

This information was generated by the HP KEYMARK database on 25 Feb 2				
Prated	6.00 kW	5.50 kW		
SCOP	4.85	3.73		
Tbiv	-22 °C	-22 °C		
TOL	-22 °C	-22 °C		
Pdh Tj = -7°C	3.64 kW	3.35 kW		
COP Tj = -7°C	4.59	3.42		
Cdh Tj = -7 °C	0.990	0.990		
Pdh Tj = +2°C	2.24 kW	2.06 kW		
COP Tj = +2°C	5.27	4.04		
Cdh Tj = +2 °C	0.970	0.980		
Pdh Tj = $+7^{\circ}$ C	1.44 kW	1.41 kW		
COP Tj = +7°C	5.40	4.40		
Cdh Tj = +7 °C	0.960	0.960		
Pdh Tj = 12°C	0.88 kW	1.19 kW		
COP Tj = 12°C	4.91	4.77		
Cdh Tj = +12 °C	0.940	0.950		
Pdh Tj = Tbiv	5.82 kW	5.50 kW		
COP Tj = Tbiv	3.72	2.79		
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.82 kW	5.50 kW		
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.72	2.79		
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh				

EHPA Secretariat | Rue dArlon 63-67 | Phone: +32 2 400 10 17 | Email: secretariat@heatpumpkeymark.com | www.heatpumpkeymark.com



Page 6 of 31

This information was generated by the HP KEYMARK database on 25 Feb 2023

70 °C	70 °C
11 W	11 W
11 W	11 W
11 W	11 W
0 W	0 W
Electricity	Electricity
0.00 kW	0.00 kW
3059 kWh	3631 kWh
	11 W 11 W 11 W 0 W Electricity 0.00 kW

Average Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	44 dB(A)	44 dB(A)

EN 14825		
	Low temperature	Medium temperature
η _s	178 %	136 %
Prated	6.00 kW	5.50 kW
SCOP	4.64	3.60
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C

EHPA Secretariat | Rue dArlon 63-67 | Phone: +32 2 400 10 17 | Email: secretariat@heatpumpkeymark.com | www.heatpumpkeymark.com



Page 7 of 31

This information was generated by the HP KEYMARK database on 25 Feb 2023
--

Inis information was genera	LEU DY LIE HE KETMAR	IN UALADASE ON 25 FED 2023
Pdh Tj = -7°C	5.35 kW	4.45 kW
COP Tj = -7°C	3.87	2.89
Cdh Tj = -7 °C	0.990	0.990
Pdh Tj = +2°C	3.28 kW	2.73 kW
COP Tj = +2°C	4.68	3.60
Cdh Tj = +2 °C	0.980	0.980
Pdh Tj = +7°C	2.10 kW	2.01 kW
COP Tj = +7°C	5.26	4.14
Cdh Tj = +7 °C	0.970	0.980
Pdh Tj = 12°C	1.24 kW	1.16 kW
COP Tj = 12°C	5.44	4.48
Cdh Tj = +12 °C	0.950	0.960
Pdh Tj = Tbiv	5.82 kW	5.50 kW
COP Tj = Tbiv	3.72	2.79
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.82 kW	5.50 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.72	2.79
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh		
WTOL	70 °C	70 °C
Poff	11 W	11 W
РТО	11 W	11 W
PSB	11 W	11 W

EHPA Secretariat | Rue dArlon 63-67 | Phone: +32 2 400 10 17 | Email: secretariat@heatpumpkeymark.com | www.heatpumpkeymark.com



Page 8 of 31

This information was generated by the HP KEYMARK database on 25 Feb 2023

РСК	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2669 kWh	3152 kWh

Domestic Hot Water (DHW)

Warmer Climate

EN 16147	
Declared load profile	L
Efficiency ηDHW	80 %
СОР	1.82
Heating up time	1:50 h:min
Standby power input	100.0 W
Reference hot water temperature	57.0 °C
Mixed water at 40°C	220 I

Colder Climate

EHPA Secretariat | Rue dArlon 63-67 | Phone: +32 2 400 10 17 | Email: secretariat@heatpumpkeymark.com | www.heatpumpkeymark.com



Page 9 of 31 This information was generated by the HP KEYMARK database on 25 Feb 2023

EN 16147		
Declared load profile	L	
Efficiency ηDHW	80 %	
СОР	1.82	
Heating up time	1:50 h:min	
Standby power input	100.0 W	
Reference hot water temperature	57.0 °C	
Mixed water at 40°C	220	

Average Climate

EN 16147	
Declared load profile	L
Efficiency ηDHW	80 %
СОР	1.82
Heating up time	1:50 h:min
Standby power input	100.0 W
Reference hot water temperature	57.0 °C
Mixed water at 40°C	220

EHPA Secretariat | Rue dArlon 63-67 | Phone: +32 2 400 10 17 | Email: secretariat@heatpumpkeymark.com | www.heatpumpkeymark.com



Page 10 of 31 This information was generated by the HP KEYMARK database on 25 Feb 2023

Model: ecoGEO C4 1-6 PRO

Configure model		
Model name	ecoGEO C4 1-6 PRO	
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	2.58 kW	4.39 kW	
El input	0.60 kW	1.53 kW	
СОР	4.30	2.84	

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

Warmer Climate

EHPA Secretariat | Rue dArlon 63-67 | Phone: +32 2 400 10 17 | Email: secretariat@heatpumpkeymark.com | www.heatpumpkeymark.com



EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	44 dB(A)	44 dB(A)	

EN 14825		
	Low temperature	Medium temperature
η _s	178 %	134 %
Prated	6.00 kW	5.50 kW
SCOP	4.65	3.56
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	5.82 kW	5.50 kW
COP Tj = +2°C	3.72	2.79
Cdh Tj = +2 °C	0.990	0.990
Pdh Tj = +7°C	3.86 kW	3.55 kW
COP Tj = +7°C	4.43	3.27
Cdh Tj = +7 °C	0.990	0.990
Pdh Tj = 12°C	1.71 kW	3.44 kW
COP Tj = 12°C	5.37	4.24
Cdh Tj = +12 °C	0.960	0.990
Pdh Tj = Tbiv	5.82 kW	5.50 kW

EHPA Secretariat | Rue dArlon 63-67 | Phone: +32 2 400 10 17 | Email: secretariat@heatpumpkeymark.com | www.heatpumpkeymark.com



Page 12 of 31

This information was generated by the HP KEYMARK database on 25 Feb 2023

This mornation was generated by the Thick that database of 25 Teb 202.			
COP Tj = Tbiv	3.72	2.79	
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.82 kW	5.50 kW	
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.72	2.79	
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh			
WTOL	70 °C	70 °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	0.00 kW	0.00 kW	
Annual energy consumption Qhe	1728 kWh	2066 kWh	

Colder Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	44 dB(A)	44 dB(A)

EN 14825		
	Low temperature	Medium temperature
η _s	186 %	141 %

EHPA Secretariat | Rue dArlon 63-67 | Phone: +32 2 400 10 17 | Email: secretariat@heatpumpkeymark.com | www.heatpumpkeymark.com



Page 13 of 31

This information was generated by the HP KEYMARK database on 25 Feb 2023
--

This information was generated by the HP KEYMARK database on 25 Feb 202			
Prated	6.00 kW	5.50 kW	
SCOP	4.85	3.73	
Tbiv	-22 °C	-22 °C	
TOL	-22 °C	-22 °C	
Pdh Tj = -7°C	3.64 kW	3.35 kW	
COP Tj = -7°C	4.59	3.42	
Cdh Tj = -7 °C	0.990	0.990	
Pdh Tj = +2°C	2.24 kW	2.06 kW	
COP Tj = +2°C	5.27	4.04	
Cdh Tj = +2 °C	0.970	0.980	
Pdh Tj = $+7^{\circ}$ C	1.44 kW	1.41 kW	
COP Tj = +7°C	5.40	4.40	
Cdh Tj = +7 °C	0.960	0.960	
Pdh Tj = 12°C	0.88 kW	1.19 kW	
COP Tj = 12°C	4.91	4.77	
Cdh Tj = +12 °C	0.940	0.950	
Pdh Tj = Tbiv	5.82 kW	5.50 kW	
COP Tj = Tbiv	3.72	2.79	
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.82 kW	5.50 kW	
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.72	2.79	
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh			

EHPA Secretariat | Rue dArlon 63-67 | Phone: +32 2 400 10 17 | Email: secretariat@heatpumpkeymark.com | www.heatpumpkeymark.com



Page 14 of 31

This information was generated by the HP KEYMARK database on 25 Feb 2023

WTOL	70 °C	70 °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	0.00 kW	0.00 kW
Annual energy consumption Qhe	3059 kWh	3631 kWh

Average Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	44 dB(A)	44 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_s	178 %	136 %
Prated	6.00 kW	5.50 kW
SCOP	4.64	3.60
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C

EHPA Secretariat | Rue dArlon 63-67 | Phone: +32 2 400 10 17 | Email: secretariat@heatpumpkeymark.com | www.heatpumpkeymark.com



Page 15 of 31

This information was genera		K database on 25 Feb 2023
Pdh Tj = -7°C	5.35 kW	4.45 kW
COP Tj = -7°C	3.87	2.89
Cdh Tj = -7 °C	0.990	0.990
Pdh Tj = +2°C	3.28 kW	2.73 kW
COP Tj = +2°C	4.68	3.60
Cdh Tj = +2 °C	0.980	0.980
Pdh Tj = +7°C	2.10 kW	2.01 kW
COP Tj = +7°C	5.26	4.14
Cdh Tj = +7 °C	0.970	0.980
Pdh Tj = 12°C	1.24 kW	1.16 kW
COP Tj = 12°C	5.44	4.48
Cdh Tj = +12 °C	0.950	0.960
Pdh Tj = Tbiv	5.82 kW	5.50 kW
COP Tj = Tbiv	3.72	2.79
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.82 kW	5.50 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.72	2.79
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh		
WTOL	70 °C	70 °C
Poff	11 W	11 W
РТО	11 W	11 W
PSB	11 W	11 W

EHPA Secretariat | Rue dArlon 63-67 | Phone: +32 2 400 10 17 | Email: secretariat@heatpumpkeymark.com | www.heatpumpkeymark.com



Page 16 of 31

This information was generated by the HP KEYMARK database on 25 Feb 2023

РСК	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2669 kWh	3152 kWh

Domestic Hot Water (DHW)

Warmer Climate

EN 16147		
Declared load profile	L	
Efficiency ηDHW	80 %	
СОР	1.82	
Heating up time	1:50 h:min	
Standby power input	100.0 W	
Reference hot water temperature	57.0 °C	
Mixed water at 40°C	220	

Colder Climate

EHPA Secretariat | Rue dArlon 63-67 | Phone: +32 2 400 10 17 | Email: secretariat@heatpumpkeymark.com | www.heatpumpkeymark.com



Page 17 of 31 This information was generated by the HP KEYMARK database on 25 Feb 2023

EN 16147		
Declared load profile	L	
Efficiency ηDHW	80 %	
СОР	1.82	
Heating up time	1:50 h:min	
Standby power input	100.0 W	
Reference hot water temperature	57.0 °C	
Mixed water at 40°C	2201	

Average Climate

EN 16147		
Declared load profile	L	
Efficiency ηDHW	80 %	
СОР	1.82	
Heating up time	1:50 h:min	
Standby power input	100.0 W	
Reference hot water temperature	57.0 °C	
Mixed water at 40°C	220	

EHPA Secretariat | Rue dArlon 63-67 | Phone: +32 2 400 10 17 | Email: secretariat@heatpumpkeymark.com | www.heatpumpkeymark.com



Page 18 of 31 This information was generated by the HP KEYMARK database on 25 Feb 2023

Model: ecoGEO B3 1-6 PRO

Configure model		
Model name	ecoGEO B3 1-6 PRO	
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	2.58 kW	4.39 kW
El input	0.60 kW	1.53 kW
СОР	4.30	2.84

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

Warmer Climate

EHPA Secretariat | Rue dArlon 63-67 | Phone: +32 2 400 10 17 | Email: secretariat@heatpumpkeymark.com | www.heatpumpkeymark.com



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	44 dB(A)	44 dB(A)

EN 14825		
	Low temperature	Medium temperature
η _s	178 %	134 %
Prated	6.00 kW	5.50 kW
SCOP	4.65	3.56
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	5.82 kW	5.50 kW
COP Tj = +2°C	3.72	2.79
Cdh Tj = +2 °C	0.990	0.990
Pdh Tj = +7°C	3.86 kW	3.55 kW
COP Tj = +7°C	4.43	3.27
Cdh Tj = +7 °C	0.990	0.990
Pdh Tj = 12°C	1.71 kW	3.44 kW
COP Tj = 12°C	5.37	4.24
Cdh Tj = +12 °C	0.960	0.990
Pdh Tj = Tbiv	5.82 kW	5.50 kW

EHPA Secretariat | Rue dArlon 63-67 | Phone: +32 2 400 10 17 | Email: secretariat@heatpumpkeymark.com | www.heatpumpkeymark.com



Page 20 of 31

This information was generate	d by the HP KEYMARK datab	ase on 25 Feb 2023

	,	
COP Tj = Tbiv	3.72	2.79
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.82 kW	5.50 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.72	2.79
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh		
WTOL	70 °C	70 °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	0.00 kW	0.00 kW
Annual energy consumption Qhe	1728 kWh	2066 kWh

Colder Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	44 dB(A)	44 dB(A)

EN 14825		
	Low temperature	Medium temperature
η _s	186 %	141 %

EHPA Secretariat | Rue dArlon 63-67 | Phone: +32 2 400 10 17 | Email: secretariat@heatpumpkeymark.com | www.heatpumpkeymark.com



Page 21 of 31

This information was			
I bic information was	apporated by the	databaco on Jh I	-0000000

Prated	6.00 kW	5.50 kW
SCOP	4.85	3.73
Tbiv	-22 °C	-22 °C
TOL	-22 °C	-22 °C
Pdh Tj = -7°C	3.64 kW	3.35 kW
COP Tj = -7°C	4.59	3.42
Cdh Tj = -7 °C	0.990	0.990
Pdh Tj = $+2^{\circ}C$	2.24 kW	2.06 kW
COP Tj = +2°C	5.27	4.04
Cdh Tj = +2 °C	0.970	0.980
Pdh Tj = +7°C	1.44 kW	1.41 kW
COP Tj = +7°C	5.40	4.40
Cdh Tj = +7 °C	0.960	0.960
Pdh Tj = 12°C	0.88 kW	1.19 kW
COP Tj = 12°C	4.91	4.77
Cdh Tj = +12 °C	0.940	0.950
Pdh Tj = Tbiv	5.82 kW	5.50 kW
COP Tj = Tbiv	3.72	2.79
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.82 kW	5.50 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.72	2.79
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh		

EHPA Secretariat | Rue dArlon 63-67 | Phone: +32 2 400 10 17 | Email: secretariat@heatpumpkeymark.com | www.heatpumpkeymark.com



Page 22 of 31

This information was generated by the HP KEYMARK database on 25 Feb 2023

WTOL	70 °C	70 °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	0.00 kW	0.00 kW
Annual energy consumption Qhe	3059 kWh	3631 kWh

Average Climate

	EN 12102-1	
	Low temperature	Medium temperature
Sound power level indoor	44 dB(A)	44 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_s	178 %	136 %
Prated	6.00 kW	5.50 kW
SCOP	4.64	3.60
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C

EHPA Secretariat | Rue dArlon 63-67 | Phone: +32 2 400 10 17 | Email: secretariat@heatpumpkeymark.com | www.heatpumpkeymark.com



Page 23 of 31

This information was genera	ted by the HP KEYMARK database on 25 Feb 2023
-----------------------------	---

This information was genera	ted by the HP KEYMAR	K database on 25 Feb 2023
Pdh Tj = -7°C	5.35 kW	4.45 kW
COP Tj = -7°C	3.87	2.89
Cdh Tj = -7 °C	0.990	0.990
Pdh Tj = +2°C	3.28 kW	2.73 kW
COP Tj = +2°C	4.68	3.60
Cdh Tj = +2 °C	0.980	0.980
Pdh Tj = +7°C	2.10 kW	2.01 kW
COP Tj = +7°C	5.26	4.14
Cdh Tj = +7 °C	0.970	0.980
Pdh Tj = 12°C	1.24 kW	1.16 kW
COP Tj = 12°C	5.44	4.48
Cdh Tj = +12 °C	0.950	0.960
Pdh Tj = Tbiv	5.82 kW	5.50 kW
COP Tj = Tbiv	3.72	2.79
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.82 kW	5.50 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.72	2.79
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh		
WTOL	70 °C	70 °C
Poff	11 W	11 W
РТО	11 W	11 W
PSB	11 W	11 W
<u> </u>		

EHPA Secretariat | Rue dArlon 63-67 | Phone: +32 2 400 10 17 | Email: secretariat@heatpumpkeymark.com | www.heatpumpkeymark.com



Page 24 of 31

This information was generated by the HP KEYMARK database on 25 Feb 2023

РСК	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2669 kWh	3152 kWh

EHPA Secretariat | Rue dArlon 63-67 | Phone: +32 2 400 10 17 | Email: secretariat@heatpumpkeymark.com | www.heatpumpkeymark.com



Model: ecoGEO B4 1-6 PRO

Configure model		
Model name	ecoGEO B4 1-6 PRO	
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	2.58 kW	4.39 kW	
El input	0.60 kW	1.53 kW	
СОР	4.30	2.84	

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

Warmer Climate

EHPA Secretariat | Rue dArlon 63-67 | Phone: +32 2 400 10 17 | Email: secretariat@heatpumpkeymark.com | www.heatpumpkeymark.com



EN 12102-1			
Low temperature Medium temperature			
Sound power level indoor	44 dB(A)	44 dB(A)	

EN 14825		
	Low temperature	Medium temperature
η _s	178 %	134 %
Prated	6.00 kW	5.50 kW
SCOP	4.65	3.56
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	5.82 kW	5.50 kW
COP Tj = +2°C	3.72	2.79
Cdh Tj = +2 °C	0.990	0.990
Pdh Tj = +7°C	3.86 kW	3.55 kW
COP Tj = +7°C	4.43	3.27
Cdh Tj = +7 °C	0.990	0.990
Pdh Tj = 12°C	1.71 kW	3.44 kW
COP Tj = 12°C	5.37	4.24
Cdh Tj = +12 °C	0.960	0.990
Pdh Tj = Tbiv	5.82 kW	5.50 kW

EHPA Secretariat | Rue dArlon 63-67 | Phone: +32 2 400 10 17 | Email: secretariat@heatpumpkeymark.com | www.heatpumpkeymark.com



Page 27 of 31

This information was generated by the HP KEYMARK database on 25 Feb 2023

COP Tj = Tbiv	3.72	2.79
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.82 kW	5.50 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.72	2.79
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh		
WTOL	70 °C	70 °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	0.00 kW	0.00 kW
Annual energy consumption Qhe	1728 kWh	2066 kWh

Colder Climate

EN 12102-1			
Low temperature Medium temperature			
Sound power level indoor	44 dB(A)	44 dB(A)	

EN 14825		
	Low temperature	Medium temperature
η _s	186 %	141 %

EHPA Secretariat | Rue dArlon 63-67 | Phone: +32 2 400 10 17 | Email: secretariat@heatpumpkeymark.com | www.heatpumpkeymark.com



Page 28 of 31

This information was	generated by the	HP KEYMARK	database on 25 Feb 2023

Prated	6.00 kW	5.50 kW
SCOP	4.85	3.73
Tbiv	-22 °C	-22 °C
тог	-22 °C	-22 °C
Pdh Tj = -7°C	3.64 kW	3.35 kW
COP Tj = -7°C	4.59	3.42
Cdh Tj = -7 °C	0.990	0.990
Pdh Tj = +2°C	2.24 kW	2.06 kW
COP Tj = +2°C	5.27	4.04
Cdh Tj = +2 °C	0.970	0.980
Pdh Tj = +7°C	1.44 kW	1.41 kW
COP Tj = +7°C	5.40	4.40
Cdh Tj = +7 °C	0.960	0.960
Pdh Tj = 12°C	0.88 kW	1.19 kW
COP Tj = 12°C	4.91	4.77
Cdh Tj = +12 °C	0.940	0.950
Pdh Tj = Tbiv	5.82 kW	5.50 kW
COP Tj = Tbiv	3.72	2.79
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.82 kW	5.50 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.72	2.79
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh		

EHPA Secretariat | Rue dArlon 63-67 | Phone: +32 2 400 10 17 | Email: secretariat@heatpumpkeymark.com | www.heatpumpkeymark.com



Page 29 of 31

This information was generated by the HP KEYMARK database on 25 Feb 2023

	· · · · · · · · · · · · · · · · · · ·	
WTOL	70 °C	70 °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	0.00 kW	0.00 kW
Annual energy consumption Qhe	3059 kWh	3631 kWh

Average Climate

EN 12102-1			
Low temperature Medium temperature			
Sound power level indoor	44 dB(A)	44 dB(A)	

EN 14825			
	Low temperature	Medium temperature	
η_s	178 %	136 %	
Prated	6.00 kW	5.50 kW	
SCOP	4.64	3.60	
Tbiv	-10 °C	-10 °C	
TOL	-10 °C	-10 °C	

EHPA Secretariat | Rue dArlon 63-67 | Phone: +32 2 400 10 17 | Email: secretariat@heatpumpkeymark.com | www.heatpumpkeymark.com



Page 30 of 31

This information was generated by the HP KEYMARK database on 25 Feb 2023				
Pdh Tj = -7°C	5.35 kW	4.45 kW		
COP Tj = -7°C	3.87	2.89		
Cdh Tj = -7 °C	0.990	0.990		
Pdh Tj = +2°C	3.28 kW	2.73 kW		
COP Tj = +2°C	4.68	3.60		
Cdh Tj = +2 °C	0.980	0.980		
Pdh Tj = +7°C	2.10 kW	2.01 kW		
COP Tj = +7°C	5.26	4.14		
Cdh Tj = +7 °C	0.970	0.980		
Pdh Tj = 12°C	1.24 kW	1.16 kW		
COP Tj = 12°C	5.44	4.48		
Cdh Tj = +12 °C	0.950	0.960		
Pdh Tj = Tbiv	5.82 kW	5.50 kW		
COP Tj = Tbiv	3.72	2.79		
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.82 kW	5.50 kW		
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.72	2.79		
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh				
WTOL	70 °C	70 °C		
Poff	11 W	11 W		
РТО	11 W	11 W		
PSB	11 W	11 W		
	· ·			

EHPA Secretariat | Rue dArlon 63-67 | Phone: +32 2 400 10 17 | Email: secretariat@heatpumpkeymark.com | www.heatpumpkeymark.com



Page 31 of 31

This information was generated by the HP KEYMARK database on 25 Feb 2023

РСК	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2669 kWh	3152 kWh

EHPA Secretariat | Rue dArlon 63-67 | Phone: +32 2 400 10 17 | Email: secretariat@heatpumpkeymark.com | www.heatpumpkeymark.com