

Page 1 of 57

This information was generated by the HP KEYMARK database on 17 Dec 2020

Summary of	ECOGEO B/C 1 1-9kW	Reg. No.	011-1W0326		
Certificate Holder					
Name	Ecoforest Geotermia S.L.				
Address	Rúa das Pontes, 25	Zip	36350		
City	Nigrán (Pontevedra)	Country	Spain		
Certification Body	DIN CERTCO Gesellschaft für Konformitätsbewertung mbH				
Name of testing laboratory	AIT Austrian Institute of Technology GmbH				
Subtype title	ECOGEO B/C 1 1-9kW				
Heat Pump Type	Brine/Water				
Refrigerant	R410a				
Mass Of Refrigerant	0.9 kg				
Certification Date	28.05.2019				



Page 2 of 57 This information was generated by the HP KEYMARK database on 17 Dec 2020

Model: ECOGEO C1 T 1-9kW

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

Heating

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

EN 14511-2				
	Low temperature	Medium temperature		
Heat output	4.12 kW	4.80 kW		
El input	0.91 kW	1.70 kW		
СОР	4.52	2.83		
Indoor water flow rate	0.69 m³/h	0.51 m³/h		

Average Climate

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

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



Page 3 of 57

This information was generated by the HP KEYMARK database on 17 Dec 2020

EN 14825				
	Low temperature	Medium temperature		
η _s	196 %	142 %		
Prated	11.00 kW	11.00 kW		
SCOP	4.85	3.54		
Tbiv	-10 °C	-10 °C		
TOL	-10 °C	-10 °C		
Pdh Tj = -7°C	9.59 kW	9.03 kW		
COP Tj = -7°C	3.85	2.72		
Cdh	0.99	0.99		
Pdh Tj = +2°C	5.98 kW	6.07 kW		
COP Tj = +2°C	4.89	3.52		
Cdh	0.99	0.99		
Pdh Tj = +7°C	3.81 kW	3.95 kW		
COP Tj = +7°C	5.74	4.31		
Cdh	0.98	0.98		
Pdh Tj = 12°C	1.73 kW	1.67 kW		
COP Tj = 12°C	4.93	3.80		
Cdh	0.96	0.97		
Pdh Tj = Tbiv	10.69 kW	10.05 kW		
COP Tj = Tbiv	3.52	2.48		

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



Page 4 of 57

This inform	mation was g	generated by	the HP	KEYMARK	database on	17 Dec	2020

Pdh Tj = TOL	10.69 kW	10.05 kW
COP Tj = TOL	3.55	2.48
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	4.00 kW	4.00 kW
Annual energy consumption Qhe	4699 kWh	6418 kWh

Warmer Climate

EN 14825			
	Low temperature	Medium temperature	
η _s	192 %	145 %	
Prated	11.00 kW	11.00 kW	
SCOP	4.80	3.62	
Tbiv	2 °C	2 °C	
TOL	2 °C	2 °C	
Pdh Tj = $+2^{\circ}C$	10.69 kW	10.05 kW	
COP Tj = +2°C	3.55	2.48	

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



Page 5 of 57

This information was generated by the HP KEYMARK database on 17 Dec 2020

	· · · · · , ·	
Cdh	0.99	0.99
Pdh Tj = +7°C	7.62 kW	7.21 kW
COP Tj = +7°C	4.31	3.12
Cdh	0.99	0.99
Pdh Tj = 12°C	3.33 kW	3.26 kW
COP Tj = 12°C	5.72	4.50
Cdh	0.98	0.98
Pdh Tj = Tbiv	10.69 kW	10.05 kW
COP Tj = Tbiv	3.55	2.48
Pdh Tj = TOL	10.69 kW	10.05 kW
COP Tj = TOL	3.55	2.48
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	4.00 kW	4.00 kW
Annual energy consumption Qhe	3062 kWh	4033 kWh

Colder Climate

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



Page 6 of 57 This information was generated by the HP KEYMARK database on 17 Dec 2020 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	0.99	0.99
Pdh Tj = +2°C	4.33 kW	4.19 kW
COP Tj = +2°C	5.47	4.96
Cdh	0.98	0.98
Pdh Tj = +7°C	2.73 kW	2.69 kW
COP Tj = +7°C	5.74	6.00
Cdh	0.97	0.97
Pdh Tj = 12°C	1.30 kW	1.30 kW
COP Tj = 12°C	3.91	5.15
Cdh	0.96	0.95
Pdh Tj = Tbiv	7.72 kW	7.59 kW
COP Tj = Tbiv	4.51	3.25

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



Page 7 of 57

This information was generated by the HP KEYMARK database on 17 Dec 2020

Pdh Tj = TOL	10.69 kW	10.05 kW
COP Tj = TOL	3.55	2.48
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	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
$COP Tj = -15^{\circ}C (if TOL < -20^{\circ}C)$	4.20	3.09
Cdh	0.99	0.99

Domestic Hot Water (DHW)

Average Climate



Page 8 of 57 This information was generated by the HP KEYMARK database on 17 Dec 2020

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

Warmer Climate

EN 16147		
Declared load profile	1	
	/8 %	
СОР	2.07	
Heating up time	01:43:10 h:min	
Standby power input	88.2 W	
Reference hot water temperature	58.9 °C	
Mixed water at 40°C	227	

Colder Climate

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



Page 9 of 57 This information was generated by the HP KEYMARK database on 17 Dec 2020

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



Page 10 of 57 This information was generated by the HP KEYMARK database on 17 Dec 2020

Model: ECOGEO C2 T 1-9kW

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

Heating

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

EN 14511-2			
	Low temperature	Medium temperature	
Heat output	4.12 kW	4.80 kW	
El input	0.91 kW	1.70 kW	
СОР	4.52	2.83	
Indoor water flow rate	0.69 m³/h	0.51 m³/h	

Average Climate

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

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



Page 11 of 57 This information was generated by the HP KEYMARK database on 17 Dec 2020

EN 14825		
	Low temperature	Medium temperature
η _s	196 %	142 %
Prated	11.00 kW	11.00 kW
SCOP	4.85	3.54
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	9.59 kW	9.03 kW
COP Tj = -7°C	3.85	2.72
Cdh	0.99	0.99
Pdh Tj = +2°C	5.98 kW	6.07 kW
COP Tj = +2°C	4.89	3.52
Cdh	0.99	0.99
Pdh Tj = +7°C	3.81 kW	3.95 kW
COP Tj = +7°C	5.74	4.31
Cdh	0.98	0.98
Pdh Tj = 12°C	1.73 kW	1.67 kW
COP Tj = 12°C	4.93	3.80
Cdh	0.96	0.97
Pdh Tj = Tbiv	10.69 kW	10.05 kW
COP Tj = Tbiv	3.52	2.48

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



Page 12 of 57 This information was generated by the HP KEYMARK database on 17 Dec 2020

-	-	
Pdh Tj = TOL	10.69 kW	10.05 kW
COP Tj = TOL	3.55	2.48
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	4.00 kW	4.00 kW
Annual energy consumption Qhe	4699 kWh	6418 kWh

Warmer Climate

EN 14825			
	Low temperature	Medium temperature	
η _s	192 %	145 %	
Prated	11.00 kW	11.00 kW	
SCOP	4.80	3.62	
Tbiv	2 °C	2 °C	
TOL	2 °C	2 °C	
Pdh Tj = $+2^{\circ}C$	10.69 kW	10.05 kW	
COP Tj = +2°C	3.55	2.48	

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



Page 13 of 57

This information was generated by the HP KEYMARK database on 17 Dec 2020

	•	
Cdh	0.99	0.99
Pdh Tj = +7°C	7.62 kW	7.21 kW
COP Tj = +7°C	4.31	3.12
Cdh	0.99	0.99
Pdh Tj = 12°C	3.33 kW	3.26 kW
COP Tj = 12°C	5.72	4.50
Cdh	0.98	0.98
Pdh Tj = Tbiv	10.69 kW	10.05 kW
COP Tj = Tbiv	3.55	2.48
Pdh Tj = TOL	10.69 kW	10.05 kW
COP Tj = TOL	3.55	2.48
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	4.00 kW	4.00 kW
Annual energy consumption Qhe	3062 kWh	4033 kWh

Colder Climate

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



Page 14 of 57 This information was generated by the HP KEYMARK database on 17 Dec 2020 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	0.99	0.99
Pdh Tj = $+2^{\circ}C$	4.33 kW	4.19 kW
COP Tj = +2°C	5.47	4.96
Cdh	0.98	0.98
Pdh Tj = +7°C	2.73 kW	2.69 kW
COP Tj = +7°C	5.74	6.00
Cdh	0.97	0.97
Pdh Tj = 12°C	1.30 kW	1.30 kW
COP Tj = 12°C	3.91	5.15
Cdh	0.96	0.95
Pdh Tj = Tbiv	7.72 kW	7.59 kW
COP Tj = Tbiv	4.51	3.25

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



Page 15 of 57 This information was generated by the HP KEYMARK database on 17 Dec 2020

	,	
Pdh Tj = TOL	10.69 kW	10.05 kW
COP Tj = TOL	3.55	2.48
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	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
$COP Tj = -15^{\circ}C (if TOL < -20^{\circ}C)$	4.20	3.09
Cdh	0.99	0.99

Domestic Hot Water (DHW)

Average Climate



Page 16 of 57 This information was generated by the HP KEYMARK database on 17 Dec 2020

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

Warmer Climate

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

Colder Climate

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



Page 17 of 57 This information was generated by the HP KEYMARK database on 17 Dec 2020

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



Page 18 of 57 This information was generated by the HP KEYMARK database on 17 Dec 2020

Model: ECOGEO B1 T 1-9kW

General Data	
Power supply	3x400V 50Hz

Heating

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

EN 14511-2			
	Low temperature	Medium temperature	
Heat output	4.12 kW	4.80 kW	
El input	0.91 kW	1.70 kW	
СОР	4.52	2.83	
Indoor water flow rate	0.69 m³/h	0.51 m³/h	

Average Climate

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

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



Page 19 of 57 This information was generated by the HP KEYMARK database on 17 Dec 2020 EN 14825

	i	
	Low temperature	Medium temperature
η _s	196 %	142 %
Prated	11.00 kW	11.00 kW
SCOP	4.85	3.54
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	9.59 kW	9.03 kW
COP Tj = -7°C	3.85	2.72
Cdh	0.99	0.99
Pdh Tj = $+2^{\circ}$ C	5.98 kW	6.07 kW
COP Tj = +2°C	4.89	3.52
Cdh	0.99	0.99
Pdh Tj = +7°C	3.81 kW	3.95 kW
COP Tj = +7°C	5.74	4.31
Cdh	0.98	0.98
Pdh Tj = 12°C	1.73 kW	1.67 kW
COP Tj = 12°C	4.93	3.80
Cdh	0.96	0.97
Pdh Tj = Tbiv	10.69 kW	10.05 kW
COP Tj = Tbiv	3.52	2.48

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



Page 20 of 57

	-	
This information was generated by the HP KEYMARK database on	17	Dec 2020

Pdh Tj = TOL	10.69 kW	10.05 kW
COP Tj = TOL	3.55	2.48
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	4.00 kW	4.00 kW
Annual energy consumption Qhe	4699 kWh	6418 kWh

Warmer Climate

EN 14825			
	Low temperature	Medium temperature	
η _s	192 %	145 %	
Prated	11.00 kW	11.00 kW	
SCOP	4.80	3.62	
Tbiv	2 °C	2 °C	
TOL	2 °C	2 °C	
Pdh Tj = $+2^{\circ}C$	10.69 kW	10.05 kW	
COP Tj = +2°C	3.55	2.48	

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



Page 21 of 57 This information was generated by the HP KEYMARK database on 17 Dec 2020

Cdh	0.99	0.99
Pdh Tj = +7°C	7.62 kW	7.21 kW
COP Tj = +7°C	4.31	3.12
Cdh	0.99	0.99
Pdh Tj = 12°C	3.33 kW	3.26 kW
COP Tj = 12°C	5.72	4.50
Cdh	0.98	0.98
Pdh Tj = Tbiv	10.69 kW	10.05 kW
COP Tj = Tbiv	3.55	2.48
Pdh Tj = TOL	10.69 kW	10.05 kW
COP Tj = TOL	3.55	2.48
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	4.00 kW	4.00 kW
Annual energy consumption Qhe	3062 kWh	4033 kWh

Colder Climate

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



Page 22 of 57 This information was generated by the HP KEYMARK database on 17 Dec 2020 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	0.99	0.99
Pdh Tj = +2°C	4.33 kW	4.19 kW
COP Tj = +2°C	5.47	4.96
Cdh	0.98	0.98
Pdh Tj = +7°C	2.73 kW	2.69 kW
COP Tj = +7°C	5.74	6.00
Cdh	0.97	0.97
Pdh Tj = 12°C	1.30 kW	1.30 kW
COP Tj = 12°C	3.91	5.15
Cdh	0.96	0.95
Pdh Tj = Tbiv	7.72 kW	7.59 kW
COP Tj = Tbiv	4.51	3.25

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



Page 23 of 57

	-	
This information was generated by the HP KEYMARK database on	17	Dec 2020
· · · · · · · · · · · · · · · · · · ·		

Pdh Tj = TOL	10.69 kW	10.05 kW
COP Tj = TOL	3.55	2.48
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	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
$COP Tj = -15^{\circ}C (if TOL < -20^{\circ}C)$	4.20	3.09
Cdh	0.99	0.99



Model: ECOGEO B2 T 1-9kW

General Data	
Power supply	3x400V 50Hz

Heating

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

EN 14511-2			
	Low temperature	Medium temperature	
Heat output	4.12 kW	4.80 kW	
El input	0.91 kW	1.70 kW	
СОР	4.52	2.83	
Indoor water flow rate	0.69 m³/h	0.51 m³/h	

Average Climate

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

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



Page 25 of 57 This information was generated by the HP KEYMARK database on 17 Dec 2020 EN 14825

	Low temperature	Medium temperature
η _s	196 %	142 %
Prated	11.00 kW	11.00 kW
SCOP	4.85	3.54
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	9.59 kW	9.03 kW
COP Tj = -7°C	3.85	2.72
Cdh	0.99	0.99
Pdh Tj = +2°C	5.98 kW	6.07 kW
COP Tj = +2°C	4.89	3.52
Cdh	0.99	0.99
Pdh Tj = +7°C	3.81 kW	3.95 kW
COP Tj = +7°C	5.74	4.31
Cdh	0.98	0.98
Pdh Tj = 12°C	1.73 kW	1.67 kW
COP Tj = 12°C	4.93	3.80
Cdh	0.96	0.97
Pdh Tj = Tbiv	10.69 kW	10.05 kW
COP Tj = Tbiv	3.52	2.48

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



Page 26 of 57

	-
This information was generated by the HP KEYMARK datab	base on 17 Dec 2020

Pdh Tj = TOL	10.69 kW	10.05 kW
COP Tj = TOL	3.55	2.48
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	4.00 kW	4.00 kW
Annual energy consumption Qhe	4699 kWh	6418 kWh

Warmer Climate

EN 14825		
	Low temperature	Medium temperature
η _s	192 %	145 %
Prated	11.00 kW	11.00 kW
SCOP	4.80	3.62
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	10.69 kW	10.05 kW
COP Tj = +2°C	3.55	2.48

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



Page 27 of 57

					-	
This information	was generated b	v tha UD	VEVMADV	databaca an	17 Doc	2020
This information	was generated b	у ше пр	NETMARN	ualabase on	I/Dec	2020

Cdh	0.99	0.99
Pdh Tj = +7°C	7.62 kW	7.21 kW
COP Tj = +7°C	4.31	3.12
Cdh	0.99	0.99
Pdh Tj = 12°C	3.33 kW	3.26 kW
COP Tj = 12°C	5.72	4.50
Cdh	0.98	0.98
Pdh Tj = Tbiv	10.69 kW	10.05 kW
COP Tj = Tbiv	3.55	2.48
Pdh Tj = TOL	10.69 kW	10.05 kW
COP Tj = TOL	3.55	2.48
WTOL	60 °C	60 °C
Poff	11 W	11 W
РТО	11 W	11 W
PSB	11 W	11 W
РСК	o w	o w
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	4.00 kW	4.00 kW
Annual energy consumption Qhe	3062 kWh	4033 kWh

Colder Climate

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



Page 28 of 57 This information was generated by the HP KEYMARK database on 17 Dec 2020 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	0.99	0.99	
Pdh Tj = +2°C	4.33 kW	4.19 kW	
COP Tj = +2°C	5.47	4.96	
Cdh	0.98	0.98	
Pdh Tj = +7°C	2.73 kW	2.69 kW	
COP Tj = +7°C	5.74	6.00	
Cdh	0.97	0.97	
Pdh Tj = 12°C	1.30 kW	1.30 kW	
COP Tj = 12°C	3.91	5.15	
Cdh	0.96	0.95	
Pdh Tj = Tbiv	7.72 kW	7.59 kW	
COP Tj = Tbiv	4.51	3.25	

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



Page 29 of 57

This information was	generated by the	HP KEYMARK	database on 17	Dec 2020

Pdh Tj = TOL	10.69 kW	10.05 kW
COP Tj = TOL	3.55	2.48
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	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	0.99	0.99



Model: ECOGEO C1 1-9kW

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

Heating

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

EN 14511-2				
	Low temperature	Medium temperature		
Heat output	4.12 kW	4.80 kW		
El input	0.91 kW	1.70 kW		
СОР	4.52	2.83		
Indoor water flow rate	0.69 m³/h	0.51 m³/h		

Average Climate

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

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



Page 31 of 57 This information was generated by the HP KEYMARK database on 17 Dec 2020

EN 14825				
	Low temperature	Medium temperature		
η _s	196 %	142 %		
Prated	11.00 kW	11.00 kW		
SCOP	4.85	3.54		
Tbiv	-10 °C	-10 °C		
TOL	-10 °C	-10 °C		
Pdh Tj = -7°C	9.59 kW	9.03 kW		
COP Tj = -7°C	3.85	2.72		
Cdh	0.99	0.99		
Pdh Tj = +2°C	5.98 kW	6.07 kW		
COP Tj = +2°C	4.89	3.52		
Cdh	0.99	0.99		
Pdh Tj = +7°C	3.81 kW	3.95 kW		
COP Tj = +7°C	5.74	4.31		
Cdh	0.98	0.98		
Pdh Tj = 12°C	1.73 kW	1.67 kW		
COP Tj = 12°C	4.93	3.80		
Cdh	0.96	0.97		
Pdh Tj = Tbiv	10.69 kW	10.05 kW		
COP Tj = Tbiv	3.52	2.48		

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



Page 32 of 57 This information was generated by the HP KEYMARK database on 17 Dec 2020

	-	
Pdh Tj = TOL	10.69 kW	10.05 kW
COP Tj = TOL	3.55	2.48
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	4.00 kW	4.00 kW
Annual energy consumption Qhe	4699 kWh	6418 kWh

Warmer Climate

EN 14825			
	Low temperature	Medium temperature	
η _s	192 %	145 %	
Prated	11.00 kW	11.00 kW	
SCOP	4.80	3.62	
Tbiv	2 °C	2 °C	
TOL	2 °C	2 °C	
Pdh Tj = $+2^{\circ}C$	10.69 kW	10.05 kW	
COP Tj = +2°C	3.55	2.48	

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



Page 33 of 57

This information was generated by the HP KEYMARK database on 17 Dec 2020

Cdh	0.99	0.99
Pdh Tj = +7°C	7.62 kW	7.21 kW
COP Tj = +7°C	4.31	3.12
Cdh	0.99	0.99
Pdh Tj = 12°C	3.33 kW	3.26 kW
COP Tj = 12°C	5.72	4.50
Cdh	0.98	0.98
Pdh Tj = Tbiv	10.69 kW	10.05 kW
COP Tj = Tbiv	3.55	2.48
Pdh Tj = TOL	10.69 kW	10.05 kW
COP Tj = TOL	3.55	2.48
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	4.00 kW	4.00 kW
Annual energy consumption Qhe	3062 kWh	4033 kWh

Colder Climate

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



Page 34 of 57 This information was generated by the HP KEYMARK database on 17 Dec 2020 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	0.99	0.99
Pdh Tj = +2°C	4.33 kW	4.19 kW
COP Tj = +2°C	5.47	4.96
Cdh	0.98	0.98
Pdh Tj = $+7^{\circ}$ C	2.73 kW	2.69 kW
COP Tj = +7°C	5.74	6.00
Cdh	0.97	0.97
Pdh Tj = 12°C	1.30 kW	1.30 kW
COP Tj = 12°C	3.91	5.15
Cdh	0.96	0.95
Pdh Tj = Tbiv	7.72 kW	7.59 kW
COP Tj = Tbiv	4.51	3.25

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



Page 35 of 57

This information was generated by the HP KEYMARK database on 17 Dec 2	2020

Pdh Tj = TOL	10.69 kW	10.05 kW
COP Tj = TOL	3.55	2.48
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	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
$COP Tj = -15^{\circ}C (if TOL < -20^{\circ}C)$	4.20	3.09
Cdh	0.99	0.99

Domestic Hot Water (DHW)

Average Climate



Page 36 of 57 This information was generated by the HP KEYMARK database on 17 Dec 2020

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

Warmer Climate

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

Colder Climate

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



Page 37 of 57 This information was generated by the HP KEYMARK database on 17 Dec 2020

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



Model: ECOGEO C2 1-9kW

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

Heating

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

EN 14511-2			
	Low temperature	Medium temperature	
Heat output	4.12 kW	4.80 kW	
El input	0.91 kW	1.70 kW	
СОР	4.52	2.83	
Indoor water flow rate	0.69 m³/h	0.51 m³/h	

Average Climate

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

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 17 Dec 2020

EN 14825			
	Low temperature	Medium temperature	
η _s	196 %	142 %	
Prated	11.00 kW	11.00 kW	
SCOP	4.85	3.54	
Tbiv	-10 °C	-10 °C	
TOL	-10 °C	-10 °C	
Pdh Tj = -7°C	9.59 kW	9.03 kW	
COP Tj = -7°C	3.85	2.72	
Cdh	0.99	0.99	
Pdh Tj = +2°C	5.98 kW	6.07 kW	
COP Tj = +2°C	4.89	3.52	
Cdh	0.99	0.99	
Pdh Tj = +7°C	3.81 kW	3.95 kW	
COP Tj = +7°C	5.74	4.31	
Cdh	0.98	0.98	
Pdh Tj = 12°C	1.73 kW	1.67 kW	
COP Tj = 12°C	4.93	3.80	
Cdh	0.96	0.97	
Pdh Tj = Tbiv	10.69 kW	10.05 kW	
COP Tj = Tbiv	3.52	2.48	

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



Page 40 of 57

This information was generated by the HP KEYMARK database on	17	Dec 202	20

Pdh Tj = TOL	10.69 kW	10.05 kW
COP Tj = TOL	3.55	2.48
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	4.00 kW	4.00 kW
Annual energy consumption Qhe	4699 kWh	6418 kWh

Warmer Climate

EN 14825			
	Low temperature	Medium temperature	
η _s	192 %	145 %	
Prated	11.00 kW	11.00 kW	
SCOP	4.80	3.62	
Tbiv	2 °C	2 °C	
TOL	2 °C	2 °C	
Pdh Tj = $+2^{\circ}C$	10.69 kW	10.05 kW	
COP Tj = +2°C	3.55	2.48	

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



Page 41 of 57

This information was generated by the HP KEYMARK database on 17 Dec 2020

	-	
Cdh	0.99	0.99
Pdh Tj = $+7^{\circ}$ C	7.62 kW	7.21 kW
COP Tj = +7°C	4.31	3.12
Cdh	0.99	0.99
Pdh Tj = 12°C	3.33 kW	3.26 kW
COP Tj = 12°C	5.72	4.50
Cdh	0.98	0.98
Pdh Tj = Tbiv	10.69 kW	10.05 kW
COP Tj = Tbiv	3.55	2.48
Pdh Tj = TOL	10.69 kW	10.05 kW
COP Tj = TOL	3.55	2.48
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	4.00 kW	4.00 kW
Annual energy consumption Qhe	3062 kWh	4033 kWh

Colder Climate

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



Page 42 of 57 This information was generated by the HP KEYMARK database on 17 Dec 2020 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	0.99	0.99		
Pdh Tj = +2°C	4.33 kW	4.19 kW		
COP Tj = +2°C	5.47	4.96		
Cdh	0.98	0.98		
Pdh Tj = +7°C	2.73 kW	2.69 kW		
COP Tj = +7°C	5.74	6.00		
Cdh	0.97	0.97		
Pdh Tj = 12°C	1.30 kW	1.30 kW		
COP Tj = 12°C	3.91	5.15		
Cdh	0.96	0.95		
Pdh Tj = Tbiv	7.72 kW	7.59 kW		
COP Tj = Tbiv	4.51	3.25		

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



Page 43 of 57

					-	
This information	was generated	by the HP	KEYMARK	database on	17 Dec	2020

Pdh Tj = TOL	10.69 kW	10.05 kW
COP Tj = TOL	3.55	2.48
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	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
$COP Tj = -15^{\circ}C (if TOL < -20^{\circ}C)$	4.20	3.09
Cdh	0.99	0.99

Domestic Hot Water (DHW)

Average Climate



Page 44 of 57 This information was generated by the HP KEYMARK database on 17 Dec 2020

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

Warmer Climate

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

Colder Climate

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



Page 45 of 57 This information was generated by the HP KEYMARK database on 17 Dec 2020

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



Page 46 of 57 This information was generated by the HP KEYMARK database on 17 Dec 2020

Model: ECOGEO B1 1-9kW

General Data		
Power supply	1x230V 50Hz	

Heating

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

EN 14511-2		
	Low temperature	Medium temperature
Heat output	4.12 kW	4.80 kW
El input	0.91 kW	1.70 kW
СОР	4.52	2.83
Indoor water flow rate	0.69 m³/h	0.51 m³/h

Average Climate

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

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



Page 47 of 57 This information was generated by the HP KEYMARK database on 17 Dec 2020 EN 14825

	Low temperature	Medium temperature
η _s	196 %	142 %
Prated	11.00 kW	11.00 kW
SCOP	4.85	3.54
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	9.59 kW	9.03 kW
COP Tj = -7°C	3.85	2.72
Cdh	0.99	0.99
Pdh Tj = +2°C	5.98 kW	6.07 kW
COP Tj = +2°C	4.89	3.52
Cdh	0.99	0.99
Pdh Tj = +7°C	3.81 kW	3.95 kW
COP Tj = +7°C	5.74	4.31
Cdh	0.98	0.98
Pdh Tj = 12°C	1.73 kW	1.67 kW
COP Tj = 12°C	4.93	3.80
Cdh	0.96	0.97
Pdh Tj = Tbiv	10.69 kW	10.05 kW
COP Tj = Tbiv	3.52	2.48

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



Page 48 of 57

		5
This information was	generated by the HP KEYMARK	database on 17 Dec 2020

Pdh Tj = TOL	10.69 kW	10.05 kW
COP Tj = TOL	3.55	2.48
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	4.00 kW	4.00 kW
Annual energy consumption Qhe	4699 kWh	6418 kWh

Warmer Climate

EN 14825		
	Low temperature	Medium temperature
η _s	192 %	145 %
Prated	11.00 kW	11.00 kW
SCOP	4.80	3.62
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = $+2^{\circ}C$	10.69 kW	10.05 kW
COP Tj = +2°C	3.55	2.48

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



Page 49 of 57

This information was o	enerated by the HP	YKEYMARK database 🤅	on 17 Dec 2020

Cdh	0.99	0.99
Pdh Tj = +7°C	7.62 kW	7.21 kW
COP Tj = +7°C	4.31	3.12
Cdh	0.99	0.99
Pdh Tj = 12°C	3.33 kW	3.26 kW
COP Tj = 12°C	5.72	4.50
Cdh	0.98	0.98
Pdh Tj = Tbiv	10.69 kW	10.05 kW
COP Tj = Tbiv	3.55	2.48
Pdh Tj = TOL	10.69 kW	10.05 kW
COP Tj = TOL	3.55	2.48
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	4.00 kW	4.00 kW
Annual energy consumption Qhe	3062 kWh	4033 kWh

Colder Climate

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



Page 50 of 57 This information was generated by the HP KEYMARK database on 17 Dec 2020 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	0.99	0.99
Pdh Tj = +2°C	4.33 kW	4.19 kW
COP Tj = +2°C	5.47	4.96
Cdh	0.98	0.98
Pdh Tj = +7°C	2.73 kW	2.69 kW
COP Tj = +7°C	5.74	6.00
Cdh	0.97	0.97
Pdh Tj = 12°C	1.30 kW	1.30 kW
COP Tj = 12°C	3.91	5.15
Cdh	0.96	0.95
Pdh Tj = Tbiv	7.72 kW	7.59 kW
COP Tj = Tbiv	4.51	3.25

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



Page 51 of 57

	_	
This information was generated by the HP KEYMARK database or	า 17	7 Dec 2020

Pdh Tj = TOL	10.69 kW	10.05 kW
COP Tj = TOL	3.55	2.48
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	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	0.99	0.99



Page 52 of 57 This information was generated by the HP KEYMARK database on 17 Dec 2020

Model: ECOGEO B2 1-9kW

General Data	
Power supply	1x230V 50Hz

Heating

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

EN 14511-2			
Low temperature Medium temperature			
Heat output	4.12 kW	4.80 kW	
El input	0.91 kW	1.70 kW	
СОР	4.52	2.83	
Indoor water flow rate	0.69 m³/h	0.51 m³/h	

Average Climate

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

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



Page 53 of 57 This information was generated by the HP KEYMARK database on 17 Dec 2020 EN 14825

	Low temperature	Medium temperature
η _s	196 %	142 %
Prated	11.00 kW	11.00 kW
SCOP	4.85	3.54
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	9.59 kW	9.03 kW
COP Tj = -7°C	3.85	2.72
Cdh	0.99	0.99
Pdh Tj = +2°C	5.98 kW	6.07 kW
COP Tj = +2°C	4.89	3.52
Cdh	0.99	0.99
Pdh Tj = $+7^{\circ}$ C	3.81 kW	3.95 kW
COP Tj = +7°C	5.74	4.31
Cdh	0.98	0.98
Pdh Tj = 12°C	1.73 kW	1.67 kW
COP Tj = 12°C	4.93	3.80
Cdh	0.96	0.97
Pdh Tj = Tbiv	10.69 kW	10.05 kW
COP Tj = Tbiv	3.52	2.48

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



Page 54 of 57

This information was generated by the HP KEYMARK database on 17 Dec 2020				-
	This information wa	s generated by the HP K	KEYMARK database on 1	7 Dec 2020

Pdh Tj = TOL	10.69 kW	10.05 kW
COP Tj = TOL	3.55	2.48
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	4.00 kW	4.00 kW
Annual energy consumption Qhe	4699 kWh	6418 kWh

Warmer Climate

EN 14825			
	Low temperature	Medium temperature	
η _s	192 %	145 %	
Prated	11.00 kW	11.00 kW	
SCOP	4.80	3.62	
Tbiv	2 °C	2 °C	
TOL	2 °C	2 °C	
Pdh Tj = +2°C	10.69 kW	10.05 kW	
COP Tj = +2°C	3.55	2.48	

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



Page 55 of 57

This information was generated by the HP KEYMARK database on 17 Dec 2020

Cdh	0.99	0.99
Pdh Tj = +7°C	7.62 kW	7.21 kW
COP Tj = +7°C	4.31	3.12
Cdh	0.99	0.99
Pdh Tj = 12°C	3.33 kW	3.26 kW
COP Tj = 12°C	5.72	4.50
Cdh	0.98	0.98
Pdh Tj = Tbiv	10.69 kW	10.05 kW
COP Tj = Tbiv	3.55	2.48
Pdh Tj = TOL	10.69 kW	10.05 kW
COP Tj = TOL	3.55	2.48
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	4.00 kW	4.00 kW
Annual energy consumption Qhe	3062 kWh	4033 kWh

Colder Climate

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



Page 56 of 57 This information was generated by the HP KEYMARK database on 17 Dec 2020 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	0.99	0.99
Pdh Tj = +2°C	4.33 kW	4.19 kW
COP Tj = +2°C	5.47	4.96
Cdh	0.98	0.98
Pdh Tj = +7°C	2.73 kW	2.69 kW
COP Tj = +7°C	5.74	6.00
Cdh	0.97	0.97
Pdh Tj = 12°C	1.30 kW	1.30 kW
COP Tj = 12°C	3.91	5.15
Cdh	0.96	0.95
Pdh Tj = Tbiv	7.72 kW	7.59 kW
COP Tj = Tbiv	4.51	3.25

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



Page 57 of 57

	-	
I DIG INTORMATION WAS DEPARTED DV THE HUKEVIVIVER DATABASE ON		
	T / I	

Pdh Tj = TOL	10.69 kW	10.05 kW
COP Tj = TOL	3.55	2.48
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	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
$COP Tj = -15^{\circ}C (if TOL < -20^{\circ}C)$	4.20	3.09
Cdh	0.99	0.99