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Login

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

Model: ecoGEO C2T 1-9kW

Configure model		
Model name	ecoGEO C2T 1-9kW	
Application	Heating + DHW + low temp	
Units	Indoor	
Climate Zone	Colder Climate + Warmer Climate	
Reversibility	No	
Cooling mode application (optional)	n/a	

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

Heating

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

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

Warmer Climate



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

EN 14825		
	Low temperature	Medium temperature
η_{s}	184 %	137 %
Prated	11.00 kW	10.90 kW
SCOP	4.80	3.62
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	10.69 kW	10.05 kW
COP Tj = +2°C	3.55	2.48
Cdh Tj = +2 °C	1.000	1.000
Pdh Tj = +7°C	7.62 kW	7.21 kW
COP Tj = +7°C	4.31	3.12
Cdh Tj = +7 °C	0.990	0.990
Pdh Tj = 12°C	3.33 kW	3.26 kW
COP Tj = 12°C	5.72	4.50
Cdh Tj = +12 °C	0.980	0.980
Pdh Tj = Tbiv	10.69 kW	10.05 kW

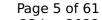




3.55	2.48
10.69 kW	10.05 kW
3.55	2.48
1.000	1.000
60 °C	60 °C
11 W	11 W
11 W	11 W
11 W	11 W
0 W	0 W
Electricity	Electricity
0.00 kW	0.00 kW
3061 kWh	4020 kWh
	10.69 kW 3.55 1.000 60 °C 11 W 11 W 11 W 0 W Electricity 0.00 kW

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}	183 %	163 %





Prated	11.00 kW	10.90 kW
SCOP	4.76	4.28
Tbiv	-22 °C	-22 °C
TOL	-22 °C	-22 °C
Pdh Tj = -7°C	7.17 kW	6.81 kW
$COPTj = -7^{\circ}C$	4.47	3.62
Cdh Tj = -7 °C	0.990	0.990
Pdh Tj = $+2$ °C	4.33 kW	4.19 kW
$COPTj = +2^{\circ}C$	5.47	4.96
Cdh Tj = +2 °C	0.980	0.990
Pdh Tj = $+7^{\circ}$ C	2.73 kW	2.69 kW
$COPTj = +7^{\circ}C$	5.74	6.00
Cdh Tj = +7 °C	0.980	0.970
Pdh Tj = 12°C	1.30 kW	1.30 kW
COP Tj = 12°C	3.91	5.15
Cdh Tj = +12 °C	0.960	0.950
Pdh Tj = Tbiv	10.69 kW	10.05 kW
COP Tj = Tbiv	3.55	2.48
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.69 kW	10.05 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.55	2.48
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.000	1.000
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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	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	5695 kWh	6279 kWh

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

EN 14825		
Low temperature	Medium temperature	
186 %	134 %	
11.00 kW	10.90 kW	
4.84	3.54	
-10 °C	-10 °C	
-10 °C	-10 °C	
	Low temperature 186 % 11.00 kW 4.84 -10 °C	





This information was gener	The Think Line	The database on 25 juli 2022
Pdh Tj = -7°C	9.59 kW	9.03 kW
COP Tj = -7°C	3.85	2.72
Cdh Tj = -7 °C	1.000	1.000
Pdh Tj = +2°C	5.98 kW	6.07 kW
COP Tj = +2°C	4.89	3.52
Cdh Tj = +2 °C	0.990	0.990
Pdh Tj = $+7^{\circ}$ C	3.81 kW	3.95 kW
$COP Tj = +7^{\circ}C$	5.74	4.31
Cdh Tj = +7 °C	0.980	0.980
Pdh Tj = 12°C	1.73 kW	1.67 kW
COP Tj = 12°C	4.93	3.80
Cdh Tj = +12 °C	0.970	0.970
Pdh Tj = Tbiv	10.69 kW	10.05 kW
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Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.69 kW	10.05 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.55	2.48
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL $<$ Tdesignh	1.000	1.000
WTOL	60 °C	60 °C
Poff	11 W	11 W
РТО	11 W	11 W
PSB	11 W	11 W



PCK	o w	o w
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	4692 kWh	6362 kWh

Domestic Hot Water (DHW)

Warmer Climate

EN 16147		
Declared load profile	L	
Efficiency ηDHW	78 %	
СОР	2.07	
Heating up time	1:43:10 h:min	
Standby power input	88.2 W	
Reference hot water temperature	58.9 °C	
Mixed water at 40°C	227 I	



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	

EN 16147		
Declared load profile	L	
Efficiency ηDHW	78 %	
СОР	2.07	
Heating up time	1:43:10 h:min	
Standby power input	88.2 W	
Reference hot water temperature	58.9 °C	
Mixed water at 40°C	227 I	

Model: ecoGEO C1 1-9kW

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

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

Heating

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

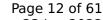
EN 14511-4		
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	
Defrost test	passed	
Starting and operating test	passed	

Warmer Climate



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

EN 14825		
	Low temperature	Medium temperature
η_{s}	184 %	137 %
Prated	11.00 kW	10.90 kW
SCOP	4.80	3.62
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	10.69 kW	10.05 kW
COP Tj = +2°C	3.55	2.48
Cdh Tj = +2 °C	1.000	1.000
Pdh Tj = +7°C	7.62 kW	7.21 kW
COP Tj = +7°C	4.31	3.12
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Pdh Tj = Tbiv	10.69 kW	10.05 kW

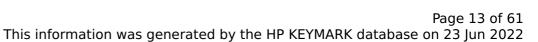




COP Tj = Tbiv	3.55	2.48
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.69 kW	10.05 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.55	2.48
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.000	1.000
WTOL	60 °C	60 °C
Poff	11 W	11 W
РТО	11 W	11 W
PSB	11 W	11 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	3061 kWh	4020 kWh

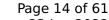
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	54 dB(A)	54 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	183 %	163 %





		and database on 25 juil 202
Prated	11.00 kW	10.90 kW
SCOP	4.76	4.28
Tbiv	-22 °C	-22 °C
TOL	-22 °C	-22 °C
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Pdh Tj = 12°C	1.30 kW	1.30 kW
COP Tj = 12°C	3.91	5.15
Cdh Tj = +12 °C	0.960	0.950
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COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.55	2.48
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL $<$ Tdesignh	1.000	1.000
		•





WTOL	60 °C	60 °C
Poff	11 W	11 W
РТО	11 W	11 W
PSB	11 W	11 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	5695 kWh	6279 kWh

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}		186 %	134 %
Prated		11.00 kW	10.90 kW
SCOP		4.84	3.54
Tbiv		-10 °C	-10 °C
TOL		-10 °C	-10 °C
102		10 C	



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This information was gener	acea by the fit Refinit	NK database on 25 Juli 202
Pdh Tj = -7°C	9.59 kW	9.03 kW
COP Tj = -7°C	3.85	2.72
Cdh Tj = -7 °C	1.000	1.000
Pdh Tj = +2°C	5.98 kW	6.07 kW
COP Tj = +2°C	4.89	3.52
Cdh Tj = +2 °C	0.990	0.990
Pdh Tj = +7°C	3.81 kW	3.95 kW
$COPTj = +7^{\circ}C$	5.74	4.31
Cdh Tj = +7 °C	0.980	0.980
Pdh Tj = 12°C	1.73 kW	1.67 kW
COP Tj = 12°C	4.93	3.80
Cdh Tj = +12 °C	0.970	0.970
Pdh Tj = Tbiv	10.69 kW	10.05 kW
COP Tj = Tbiv	3.55	2.48
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.69 kW	10.05 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.55	2.48
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.000	1.000
WTOL	60 °C	60 °C
Poff	11 W	11 W
РТО	11 W	11 W
PSB	11 W	11 W



PCK	o w	o w
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	4692 kWh	6362 kWh

Domestic Hot Water (DHW)

Warmer Climate

EN 16147		
Declared load profile	L	
Efficiency ηDHW	78 %	
СОР	2.07	
Heating up time	1:43:10 h:min	
Standby power input	88.2 W	
Reference hot water temperature	58.9 °C	
Mixed water at 40°C	227 I	



EN 16147		
Declared load profile	L	
Efficiency ηDHW	78 %	
СОР	2.07	
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Mixed water at 40°C	227 I	

EN 16147		
Declared load profile	L	
Efficiency ηDHW	78 %	
СОР	2.07	
Heating up time	1:43:10 h:min	
Standby power input	88.2 W	
Reference hot water temperature	58.9 °C	
Mixed water at 40°C	227	

Model: ecoGEO C1T 1-9kW

Configure model		
Model name	ecoGEO C1T 1-9kW	
Application	Heating + DHW + low temp	
Units	Indoor	
Climate Zone	Colder Climate + Warmer Climate	
Reversibility	No	
Cooling mode application (optional)	n/a	

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

Heating

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

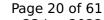
EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

Warmer Climate



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

EN 14825		
	Low temperature	Medium temperature
η_{s}	184 %	137 %
Prated	11.00 kW	10.90 kW
SCOP	4.80	3.62
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	10.69 kW	10.05 kW
COP Tj = +2°C	3.55	2.48
Cdh Tj = +2 °C	1.000	1.000
Pdh Tj = +7°C	7.62 kW	7.21 kW
COP Tj = +7°C	4.31	3.12
Cdh Tj = +7 °C	0.990	0.990
Pdh Tj = 12°C	3.33 kW	3.26 kW
COP Tj = 12°C	5.72	4.50
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COP Tj = Tbiv	3.55	2.48
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.69 kW	10.05 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.55	2.48
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.000	1.000
WTOL	60 °C	60 °C
Poff	11 W	11 W
РТО	11 W	11 W
PSB	11 W	11 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	3061 kWh	4020 kWh

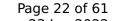
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	54 dB(A)	54 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{S}	183 %	163 %





Prated	11.00 kW	10.90 kW
SCOP	4.76	4.28
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This information was generated by the HP KEYMARK database on 23 Jun 202		
WTOL	60 °C	60 °C
Poff	11 W	11 W
РТО	11 W	11 W
PSB	11 W	11 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW

5695 kWh

6279 kWh

Average Climate

Annual energy consumption Qhe

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

EN 14825		
	Low temperatu	re Medium temperature
η_{S}	186 %	134 %
Prated	11.00 kW	10.90 kW
SCOP	4.84	3.54
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
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Page 23 of 61 This information was generated by the HP KEYMARK database on 23 Jun 2022

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Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.000	1.000
WTOL	60 °C	60 °C
Poff	11 W	11 W
РТО	11 W	11 W
PSB	11 W	11 W

6362 kWh



PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW

4692 kWh

Domestic Hot Water (DHW)

Annual energy consumption Qhe

Warmer Climate

EN 16147		
Declared load profile	L	
Efficiency ηDHW	78 %	
СОР	2.07	
Heating up time	1:43:10 h:min	
Standby power input	88.2 W	
Reference hot water temperature	58.9 °C	
Mixed water at 40°C	227 I	



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

Model: ecoGEO C2 1-9kW

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

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

Heating

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

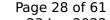
EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

Warmer Climate



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

EN 14825		
	Low temperature	Medium temperature
η_{s}	184 %	137 %
Prated	11.00 kW	10.90 kW
SCOP	4.80	3.62
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	10.69 kW	10.05 kW
COP Tj = +2°C	3.55	2.48
Cdh Tj = +2 °C	1.000	1.000
Pdh Tj = $+7^{\circ}$ C	7.62 kW	7.21 kW
COP Tj = +7°C	4.31	3.12
Cdh Tj = +7 °C	0.990	0.990
Pdh Tj = 12°C	3.33 kW	3.26 kW
COP Tj = 12°C	5.72	4.50
Cdh Tj = +12 °C	0.980	0.980
Pdh Tj = Tbiv	10.69 kW	10.05 kW





This information was generated by the HP KEYMARK database on 23 Jun 2022 COP Tj = Tbiv3.55 2.48 Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh 10.69 kW 10.05 kW COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh 3.55 2.48 Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh 1.000 1.000 WTOL 60 °C 60 °C Poff 11 W 11 W PTO 11 W 11 W **PSB** 11 W 11 W **PCK** 0 W 0 W Supplementary Heater: Type of energy input Electricity Electricity Supplementary Heater: PSUP 0.00 kW 0.00 kW

Colder Climate

Annual energy consumption Qhe

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

3061 kWh

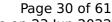
4020 kWh

EN 14825		
	Low temperature	Medium temperature
η_{s}	183 %	163 %





This information was gener		The database on 23 Juli 202
Prated	11.00 kW	10.90 kW
SCOP	4.76	4.28
Tbiv	-22 °C	-22 °C
TOL	-22 °C	-22 °C
Pdh Tj = -7° C	7.17 kW	6.81 kW
COP Tj = -7° C	4.47	3.62
Cdh Tj = -7 °C	0.990	0.990
Pdh Tj = +2°C	4.33 kW	4.19 kW
$COP Tj = +2^{\circ}C$	5.47	4.96
Cdh Tj = +2 °C	0.980	0.990
Pdh Tj = $+7^{\circ}$ C	2.73 kW	2.69 kW
$COP Tj = +7^{\circ}C$	5.74	6.00
Cdh Tj = +7 °C	0.980	0.970
Pdh Tj = 12°C	1.30 kW	1.30 kW
COP Tj = 12°C	3.91	5.15
Cdh Tj = +12 °C	0.960	0.950
Pdh Tj = Tbiv	10.69 kW	10.05 kW
COP Tj = Tbiv	3.55	2.48
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.69 kW	10.05 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.55	2.48
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.000	1.000
		1





WTOL	60 °C	60 °C
Poff	11 W	11 W
РТО	11 W	11 W
PSB	11 W	11 W
PCK	o w	o w
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	5695 kWh	6279 kWh

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}	186 %	134 %
Prated	11.00 kW	10.90 kW
SCOP	4.84	3.54
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C



Page 31 of 61 This information was generated by the HP KEYMARK database on 23 Jun 2022

This information was genera	- · · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·
Pdh Tj = -7°C	9.59 kW	9.03 kW
COP Tj = -7°C	3.85	2.72
Cdh Tj = -7 °C	1.000	1.000
Pdh Tj = +2°C	5.98 kW	6.07 kW
COP Tj = +2°C	4.89	3.52
Cdh Tj = +2 °C	0.990	0.990
Pdh Tj = +7°C	3.81 kW	3.95 kW
COP Tj = +7°C	5.74	4.31
Cdh Tj = +7 °C	0.980	0.980
Pdh Tj = 12°C	1.73 kW	1.67 kW
COP Tj = 12°C	4.93	3.80
Cdh Tj = +12 °C	0.970	0.970
Pdh Tj = Tbiv	10.69 kW	10.05 kW
COP Tj = Tbiv	3.55	2.48
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.69 kW	10.05 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.55	2.48
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.000	1.000
WTOL	60 °C	60 °C
Poff	11 W	11 W
РТО	11 W	11 W
PSB	11 W	11 W



PCK	o w	o w
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	4692 kWh	6362 kWh

Domestic Hot Water (DHW)

Warmer Climate

EN 16147		
Declared load profile	L	
Efficiency ηDHW	78 %	
СОР	2.07	
Heating up time	1:43:10 h:min	
Standby power input	88.2 W	
Reference hot water temperature	58.9 °C	
Mixed water at 40°C	227 I	



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	

EN 16147		
Declared load profile	L	
Efficiency ηDHW	78 %	
СОР	2.07	
Heating up time	1:43:10 h:min	
Standby power input	88.2 W	
Reference hot water temperature	58.9 °C	
Mixed water at 40°C	227	



Model: ecoGEO B1T 1-9kW

Configure model		
Model name ecoGEO B1T 1-9kW		
Application	Heating (medium temp)	
Units	Indoor	
Climate Zone	Colder Climate + Warmer Climate	
Reversibility	No	
Cooling mode application (optional)	n/a	

General Data		
Power supply	3x400V 50Hz	

Heating

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

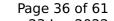
EN 14511-4		
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	
Defrost test	passed	
Starting and operating test	passed	

Warmer Climate



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

EN 14825		
	Low temperature	Medium temperature
η_{s}	184 %	137 %
Prated	11.00 kW	10.90 kW
SCOP	4.80	3.62
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	10.69 kW	10.05 kW
COP Tj = +2°C	3.55	2.48
Cdh Tj = +2 °C	1.000	1.000
Pdh Tj = $+7^{\circ}$ C	7.62 kW	7.21 kW
COP Tj = +7°C	4.31	3.12
Cdh Tj = +7 °C	0.990	0.990
Pdh Tj = 12°C	3.33 kW	3.26 kW
COP Tj = 12°C	5.72	4.50
Cdh Tj = +12 °C	0.980	0.980
Pdh Tj = Tbiv	10.69 kW	10.05 kW

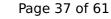




This information was generated by the HP KEYMARK database on 23 Jun 20		
COP Tj = Tbiv	3.55	2.48
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.69 kW	10.05 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.55	2.48
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL $<$ Tdesignh	1.000	1.000
WTOL	60 °C	60 °C
Poff	11 W	11 W
РТО	11 W	11 W
PSB	11 W	11 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	3061 kWh	4020 kWh

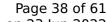
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	54 dB(A)	54 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{S}	183 %	163 %





This information was generated by the HF KLTMAKK database on 25 jun 2022			
Prated	11.00 kW	10.90 kW	
SCOP	4.76	4.28	
Tbiv	-22 °C	-22 °C	
TOL	-22 °C	-22 °C	
Pdh Tj = -7°C	7.17 kW	6.81 kW	
$COP Tj = -7^{\circ}C$	4.47	3.62	
Cdh Tj = -7 °C	0.990	0.990	
Pdh Tj = +2°C	4.33 kW	4.19 kW	
COP Tj = +2°C	5.47	4.96	
Cdh Tj = +2 °C	0.980	0.990	
Pdh Tj = $+7^{\circ}$ C	2.73 kW	2.69 kW	
$COP Tj = +7^{\circ}C$	5.74	6.00	
Cdh Tj = +7 °C	0.980	0.970	
Pdh Tj = 12°C	1.30 kW	1.30 kW	
COP Tj = 12°C	3.91	5.15	
Cdh Tj = +12 °C	0.960	0.950	
Pdh Tj = Tbiv	10.69 kW	10.05 kW	
COP Tj = Tbiv	3.55	2.48	
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.69 kW	10.05 kW	
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.55	2.48	
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.000	1.000	





WTOL	60 °C	60 °C
Poff	11 W	11 W
РТО	11 W	11 W
PSB	11 W	11 W
PCK	o w	o w
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	5695 kWh	6279 kWh

Average Climate

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

EN 14825			
		Low temperature	Medium temperature
η_{s}		186 %	134 %
Prated		11.00 kW	10.90 kW
SCOP		4.84	3.54
Tbiv		-10 °C	-10 °C
TOL		-10 °C	-10 °C
102		10 C	



	,	NK database on 23 Juli 202.
Pdh Tj = -7°C	9.59 kW	9.03 kW
COP Tj = -7°C	3.85	2.72
Cdh Tj = -7 °C	1.000	1.000
Pdh Tj = +2°C	5.98 kW	6.07 kW
COP Tj = +2°C	4.89	3.52
Cdh Tj = +2 °C	0.990	0.990
Pdh Tj = $+7^{\circ}$ C	3.81 kW	3.95 kW
COP Tj = +7°C	5.74	4.31
Cdh Tj = +7 °C	0.980	0.980
Pdh Tj = 12°C	1.73 kW	1.67 kW
COP Tj = 12°C	4.93	3.80
Cdh Tj = +12 °C	0.970	0.970
Pdh Tj = Tbiv	10.69 kW	10.05 kW
COP Tj = Tbiv	3.55	2.48
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.69 kW	10.05 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.55	2.48
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.000	1.000
WTOL	60 °C	60 °C
Poff	11 W	11 W
РТО	11 W	11 W
PSB	11 W	11 W



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This information was generated by the HP KEYMARK database on 23 Jun 2022

PCK	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	4692 kWh	6362 kWh



Model: ecoGEO B2T 1-9kW

Configure model		
Model name	ecoGEO B2T 1-9kW	
Application	Heating (medium temp)	
Units	Indoor	
Climate Zone	Colder Climate + Warmer Climate	
Reversibility	No	
Cooling mode application (optional)	n/a	

General Data		
Power supply	3x400V 50Hz	

Heating

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

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

Warmer Climate



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

EN 14825		
	Low temperature	Medium temperature
η_{s}	184 %	137 %
Prated	11.00 kW	10.90 kW
SCOP	4.80	3.62
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	10.69 kW	10.05 kW
COP Tj = +2°C	3.55	2.48
Cdh Tj = +2 °C	1.000	1.000
Pdh Tj = +7°C	7.62 kW	7.21 kW
COP Tj = +7°C	4.31	3.12
Cdh Tj = +7 °C	0.990	0.990
Pdh Tj = 12°C	3.33 kW	3.26 kW
COP Tj = 12°C	5.72	4.50
Cdh Tj = +12 °C	0.980	0.980
Pdh Tj = Tbiv	10.69 kW	10.05 kW





COP Tj = Tbiv3.55 2.48 Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh 10.69 kW 10.05 kW COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh 3.55 2.48 Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh 1.000 1.000 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

Electricity

0.00 kW

3061 kWh

Electricity

0.00 kW

4020 kWh

Colder Climate

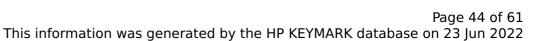
Supplementary Heater: PSUP

Annual energy consumption Qhe

Supplementary Heater: Type of energy input

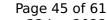
EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	54 dB(A)	54 dB(A)	

EN 14825		
	Low temperature	Medium temperature
η_{S}	183 %	163 %





Inis information was generated by the HP KEYMARK database on 23 Jun 20				
Prated	11.00 kW	10.90 kW		
SCOP	4.76	4.28		
Tbiv	-22 °C	-22 °C		
TOL	-22 °C	-22 °C		
Pdh Tj = -7 °C	7.17 kW	6.81 kW		
$COPTj = -7^{\circ}C$	4.47	3.62		
Cdh Tj = -7 °C	0.990	0.990		
Pdh Tj = +2°C	4.33 kW	4.19 kW		
COP Tj = +2°C	5.47	4.96		
Cdh Tj = +2 °C	0.980	0.990		
Pdh Tj = +7°C	2.73 kW	2.69 kW		
$COPTj = +7^{\circ}C$	5.74	6.00		
Cdh Tj = +7 °C	0.980	0.970		
Pdh Tj = 12°C	1.30 kW	1.30 kW		
COP Tj = 12°C	3.91	5.15		
Cdh Tj = +12 °C	0.960	0.950		
Pdh Tj = Tbiv	10.69 kW	10.05 kW		
COP Tj = Tbiv	3.55	2.48		
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.69 kW	10.05 kW		
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.55	2.48		
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.000	1.000		
	+	+		





WTOL	60 °C	60 °C
Poff	11 W	11 W
PTO	11 W	11 W
PSB	11 W	11 W
PCK	o w	o w
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	5695 kWh	6279 kWh

Average Climate

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

EN 14825		
	Low temperature	Medium temperature
η_{S}	186 %	134 %
Prated	11.00 kW	10.90 kW
SCOP	4.84	3.54
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C





This information was gener	acea by the in Reimin	int database on 25 juil 202
Pdh Tj = -7°C	9.59 kW	9.03 kW
COP Tj = -7°C	3.85	2.72
Cdh Tj = -7 °C	1.000	1.000
Pdh Tj = +2°C	5.98 kW	6.07 kW
COPTj = +2°C	4.89	3.52
Cdh Tj = +2 °C	0.990	0.990
Pdh Tj = +7°C	3.81 kW	3.95 kW
$COPTj = +7^{\circ}C$	5.74	4.31
Cdh Tj = +7 °C	0.980	0.980
Pdh Tj = 12°C	1.73 kW	1.67 kW
COP Tj = 12°C	4.93	3.80
Cdh Tj = +12 °C	0.970	0.970
Pdh Tj = Tbiv	10.69 kW	10.05 kW
COP Tj = Tbiv	3.55	2.48
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.69 kW	10.05 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.55	2.48
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.000	1.000
WTOL	60 °C	60 °C
Poff	11 W	11 W
РТО	11 W	11 W
PSB	11 W	11 W



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This information was generated by the HP KEYMARK database on 23 Jun 2022

PCK	o w	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	4692 kWh	6362 kWh



Model: ecoGEO B1 1-9kW

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

General Data		
Power supply	1x230V 50Hz	

Heating

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

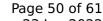
EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

Warmer Climate



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

EN 14825		
	Low temperature	Medium temperature
η_{s}	184 %	137 %
Prated	11.00 kW	10.90 kW
SCOP	4.80	3.62
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	10.69 kW	10.05 kW
COP Tj = +2°C	3.55	2.48
Cdh Tj = +2 °C	1.000	1.000
Pdh Tj = +7°C	7.62 kW	7.21 kW
COP Tj = +7°C	4.31	3.12
Cdh Tj = +7 °C	0.990	0.990
Pdh Tj = 12°C	3.33 kW	3.26 kW
COP Tj = 12°C	5.72	4.50
Cdh Tj = +12 °C	0.980	0.980
Pdh Tj = Tbiv	10.69 kW	10.05 kW



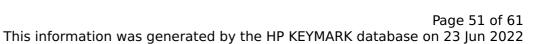


COP Tj = Tbiv	3.55	2.48
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.69 kW	10.05 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.55	2.48
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.000	1.000
WTOL	60 °C	60 °C
Poff	11 W	11 W
РТО	11 W	11 W
PSB	11 W	11 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	3061 kWh	4020 kWh

Colder Climate

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

EN 14825		
	Low temperature	Medium temperature
η_{s}	183 %	163 %





Prated	11.00 kW	10.90 kW
SCOP	4.76	4.28
Tbiv	-22 °C	-22 °C
TOL	-22 °C	-22 °C
Pdh Tj = -7°C	7.17 kW	6.81 kW
COP Tj = -7°C	4.47	3.62
Cdh Tj = -7 °C	0.990	0.990
Pdh Tj = $+2$ °C	4.33 kW	4.19 kW
COP Tj = +2°C	5.47	4.96
Cdh Tj = +2 °C	0.980	0.990
Pdh Tj = $+7^{\circ}$ C	2.73 kW	2.69 kW
$COPTj = +7^{\circ}C$	5.74	6.00
Cdh Tj = +7 °C	0.980	0.970
Pdh Tj = 12°C	1.30 kW	1.30 kW
COP Tj = 12°C	3.91	5.15
Cdh Tj = +12 °C	0.960	0.950
Pdh Tj = Tbiv	10.69 kW	10.05 kW
COP Tj = Tbiv	3.55	2.48
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.69 kW	10.05 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.55	2.48
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.000	1.000





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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	o w	o w
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	5695 kWh	6279 kWh

Average Climate

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

EN 14825		
Low temperature	Medium temperature	
186 %	134 %	
11.00 kW	10.90 kW	
4.84	3.54	
-10 °C	-10 °C	
-10 °C	-10 °C	
	Low temperature 186 % 11.00 kW 4.84 -10 °C	



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This information was genera	- · · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·
Pdh Tj = -7°C	9.59 kW	9.03 kW
COP Tj = -7°C	3.85	2.72
Cdh Tj = -7 °C	1.000	1.000
Pdh Tj = +2°C	5.98 kW	6.07 kW
COP Tj = +2°C	4.89	3.52
Cdh Tj = +2 °C	0.990	0.990
Pdh Tj = +7°C	3.81 kW	3.95 kW
COP Tj = +7°C	5.74	4.31
Cdh Tj = +7 °C	0.980	0.980
Pdh Tj = 12°C	1.73 kW	1.67 kW
COP Tj = 12°C	4.93	3.80
Cdh Tj = +12 °C	0.970	0.970
Pdh Tj = Tbiv	10.69 kW	10.05 kW
COP Tj = Tbiv	3.55	2.48
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.69 kW	10.05 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.55	2.48
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.000	1.000
WTOL	60 °C	60 °C
Poff	11 W	11 W
РТО	11 W	11 W
PSB	11 W	11 W



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This information was generated by the HP KEYMARK database on 23 Jun 2022

PCK	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	4692 kWh	6362 kWh



Model: ecoGEO B2 1-9kW

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

General Data		
Power supply	1x230V 50Hz	

Heating

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

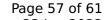
EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

Warmer Climate



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

EN 14825		
	Low temperature	Medium temperature
η_{s}	184 %	137 %
Prated	11.00 kW	10.90 kW
SCOP	4.80	3.62
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	10.69 kW	10.05 kW
COP Tj = +2°C	3.55	2.48
Cdh Tj = +2 °C	1.000	1.000
Pdh Tj = +7°C	7.62 kW	7.21 kW
COP Tj = +7°C	4.31	3.12
Cdh Tj = +7 °C	0.990	0.990
Pdh Tj = 12°C	3.33 kW	3.26 kW
COP Tj = 12°C	5.72	4.50
Cdh Tj = +12 °C	0.980	0.980
Pdh Tj = Tbiv	10.69 kW	10.05 kW



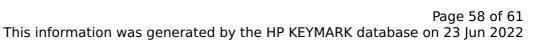


COP Tj = Tbiv 3.55 2.48 Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh 10.69 kW 10.05 kW COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh 3.55 2.48 Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh 1.000 1.000 WTOL 60 °C 60 °C Poff 11 W 11 W PTO 11 W 11 W PCK 0 W 0 W Supplementary Heater: Type of energy input Electricity Electricity Supplementary Heater: PSUP 0.00 kW 0.00 kW Annual energy consumption Qhe 3061 kWh 4020 kWh		<u> </u>	
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	COP Tj = Tbiv	3.55	2.48
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.69 kW	10.05 kW
WTOL 60 °C 60 °C Poff 11 W 11 W PTO 11 W 11 W PSB 11 W 11 W PCK 0 W 0 W Supplementary Heater: Type of energy input Electricity Electricity Supplementary Heater: PSUP 0.00 kW 0.00 kW	COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.55	2.48
Poff 11 W 11 W PTO 11 W 11 W PSB 11 W 11 W PCK 0 W 0 W Supplementary Heater: Type of energy input Electricity Electricity Supplementary Heater: PSUP 0.00 kW 0.00 kW	Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.000	1.000
PTO 11 W 11 W PSB 11 W 0 W PCK 0 W 0 W Supplementary Heater: Type of energy input Electricity Electricity Supplementary Heater: PSUP 0.00 kW 0.00 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 0.00 kW 0.00 kW	Poff	11 W	11 W
PCK 0 W 0 W Supplementary Heater: Type of energy input Electricity Electricity Supplementary Heater: PSUP 0.00 kW 0.00 kW	PTO	11 W	11 W
Supplementary Heater: Type of energy input Electricity Electricity Supplementary Heater: PSUP 0.00 kW 0.00 kW	PSB	11 W	11 W
Supplementary Heater: PSUP 0.00 kW 0.00 kW	PCK	o w	0 W
	Supplementary Heater: Type of energy input	Electricity	Electricity
Annual energy consumption Qhe 3061 kWh 4020 kWh	Supplementary Heater: PSUP	0.00 kW	0.00 kW
	Annual energy consumption Qhe	3061 kWh	4020 kWh

Colder Climate

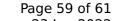
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	54 dB(A)	54 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{S}	183 %	163 %





		Titt database on 25 jan 202
Prated	11.00 kW	10.90 kW
SCOP	4.76	4.28
Tbiv	-22 °C	-22 °C
TOL	-22 °C	-22 °C
Pdh Tj = -7° C	7.17 kW	6.81 kW
$COPTj = -7^{\circ}C$	4.47	3.62
Cdh Tj = -7 °C	0.990	0.990
Pdh Tj = $+2$ °C	4.33 kW	4.19 kW
COP Tj = +2°C	5.47	4.96
Cdh Tj = +2 °C	0.980	0.990
Pdh Tj = $+7^{\circ}$ C	2.73 kW	2.69 kW
$COPTj = +7^{\circ}C$	5.74	6.00
Cdh Tj = +7 °C	0.980	0.970
Pdh Tj = 12°C	1.30 kW	1.30 kW
COP Tj = 12°C	3.91	5.15
Cdh Tj = +12 °C	0.960	0.950
Pdh Tj = Tbiv	10.69 kW	10.05 kW
COP Tj = Tbiv	3.55	2.48
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.69 kW	10.05 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.55	2.48
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.000	1.000
	-	•





This information was go	enerated by the HP K	EYMARK database on 23 Jun 2	202
WTOL	60 °C	60 °C	
Poff	11 W	11 W	
РТО	11 W	11 W	
PSB	11 W	11 W	
PCK	0 W	0 W	
Supplementary Heater: Type of energy input	Electricity	Electricity	
Supplementary Heater: PSUP	0.00 kW	0.00 kW	
Annual energy consumption Ohe	5695 kWh	6279 kWh	

Average Climate

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

EN 14825		
	Low temperature	Medium temperature
η_{s}	186 %	134 %
Prated	11.00 kW	10.90 kW
SCOP	4.84	3.54
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C





	Ted by the HI KETMA	TIR database on 25 jun 2022
Pdh Tj = -7°C	9.59 kW	9.03 kW
COP Tj = -7°C	3.85	2.72
Cdh Tj = -7 °C	1.000	1.000
Pdh Tj = +2°C	5.98 kW	6.07 kW
COP Tj = +2°C	4.89	3.52
Cdh Tj = +2 °C	0.990	0.990
Pdh Tj = $+7^{\circ}$ C	3.81 kW	3.95 kW
COP Tj = +7°C	5.74	4.31
Cdh Tj = +7 °C	0.980	0.980
Pdh Tj = 12°C	1.73 kW	1.67 kW
COP Tj = 12°C	4.93	3.80
Cdh Tj = +12 °C	0.970	0.970
Pdh Tj = Tbiv	10.69 kW	10.05 kW
COP Tj = Tbiv	3.55	2.48
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.69 kW	10.05 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.55	2.48
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.000	1.000
WTOL	60 °C	60 °C
Poff	11 W	11 W
РТО	11 W	11 W
PSB	11 W	11 W



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This information was generated by the HP KEYMARK database on 23 Jun 2022

PCK	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	4692 kWh	6362 kWh