

Page 1 of 61

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Login

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



Model: ecoGEO C3T 1-9kW

Configure model		
Model name	ecoGEO C3T 1-9kW	
Application	Heating + DHW + low temp	
Units	Indoor	
Climate Zone	Colder Climate + Warmer Climate	
Reversibility	Yes	
Cooling mode application (optional)	n/a	

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

Heating

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

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

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

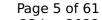




3.55	2.48
10.69 kW	10.05 kW
3.55	2.48
1.000	1.000
60 °C	60 °C
11 W	11 W
11 W	11 W
11 W	11 W
0 W	0 W
Electricity	Electricity
0.00 kW	0.00 kW
3061 kWh	4020 kWh
	10.69 kW 3.55 1.000 60 °C 11 W 11 W 11 W 0 W Electricity 0.00 kW

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
Prateu	11.00 KVV	10.90 KW
SCOP	4.76	4.28
Tbiv	-22 °C	-22 °C
TOL	-22 °C	-22 °C
Pdh Tj = -7 °C	7.71 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
	-	-





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 genera		
Pdh Tj = -7°C	9.59 kW	9.03 kW
$COP Tj = -7^{\circ}C$	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	0.990
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
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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
	•	



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

Domestic Hot Water (DHW)

Warmer Climate

EN 16147		
Declared load profile	L	
Efficiency ηDHW	78 %	
СОР	1.73	
Heating up time	1:23 h:min	
Standby power input	158.9 W	
Reference hot water temperature	57.8 °C	
Mixed water at 40°C	224	



EN 16147		
Declared load profile	L	
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Model: ecoGEO C4T 1-9kW

Configure model			
Model name	ecoGEO C4T 1-9kW		
Application	Heating + DHW + low temp		
Units	Indoor		
Climate Zone	Colder Climate + Warmer Climate		
Reversibility	Yes		
Cooling mode application (optional)	n/a		

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

Heating

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

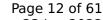
EN 14511-4		
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	
Defrost test	passed	
Starting and operating test	passed	

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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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

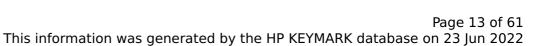




COP Tj = Tbiv	3.55	2.48
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.69 kW	10.05 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.55	2.48
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.000	1.000
WTOL	60 °C	60 °C
Poff	11 W	11 W
РТО	11 W	11 W
PSB	11 W	11 W
PCK	0 W	0 W
Supplementary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

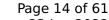
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	54 dB(A)	54 dB(A)

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





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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	7.71 kW	6.81 kW
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Pdh Tj = 12°C	1.30 kW	1.30 kW
COP Tj = 12°C	3.91	5.15
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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	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
101		10 C	



Page 15 of 61 This information was generated by the HP KEYMARK database on 23 Jun 2022

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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	0.990
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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 Ohe	4692 kWh	6362 kWh

Domestic Hot Water (DHW)

Warmer Climate

EN 16147		
Declared load profile	L	
Efficiency ηDHW	78 %	
СОР	1.73	
Heating up time	1:23 h:min	
Standby power input	158.9 W	
Reference hot water temperature	57.8 °C	
Mixed water at 40°C	224	



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Declared load profile	L	
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EN 16147		
Declared load profile	L	
Efficiency ηDHW	78 %	
СОР	1.73	
Heating up time	1:23 h:min	
Standby power input	158.9 W	
Reference hot water temperature	57.8 °C	
Mixed water at 40°C	224	

Model: ecoGEO C3 1-9kW

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

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

Heating

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

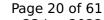
EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

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

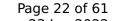
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	54 dB(A)	54 dB(A)

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





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SCOP	4.76	4.28
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Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.000	1.000
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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 %
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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	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

Domestic Hot Water (DHW)

Warmer Climate

EN 16147		
Declared load profile	L	
Efficiency ηDHW	78 %	
СОР	1.73	
Heating up time	1:23 h:min	
Standby power input	158.9 W	
Reference hot water temperature	57.8 °C	
Mixed water at 40°C	224	



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Declared load profile	L	
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Model: ecoGEO C4 1-9kW

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

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

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	4.12 kW	4.80 kW
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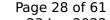
EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

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

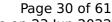
4020 kWh

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





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	7.71 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
$COP Tj = +7^{\circ}C$	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

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 = $+7^{\circ}$ C	3.81 kW	3.95 kW
COP Tj = +7°C	5.74	4.31
Cdh Tj = +7 °C	0.980	0.990
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	1.73
Heating up time	1:23 h:min
Standby power input	158.9 W
Reference hot water temperature	57.8 °C
Mixed water at 40°C	224



EN 16147	
Declared load profile	L
Efficiency ηDHW	78 %
СОР	1.73
Heating up time	1:23 h:min
Standby power input	158.9 W
Reference hot water temperature	57.8 °C
Mixed water at 40°C	224

EN 16147	
Declared load profile	L
Efficiency ηDHW	78 %
СОР	1.73
Heating up time	1:23 h:min
Standby power input	158.9 W
Reference hot water temperature	57.8 °C
Mixed water at 40°C	224



Model: ecoGEO B3T 1-9kW

Configure model		
Model name ecoGEO B3T 1-9kW		
Application	Heating (medium temp)	
Units	Indoor	
Climate Zone	Colder Climate + Warmer Climate	
Reversibility	Yes	
Cooling mode application (optional)	n/a	

General Data		
Power supply	3x400V 50Hz	

Heating

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

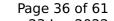
EN 14511-4		
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	
Defrost test	passed	
Starting and operating test	passed	

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

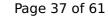




This information was generated by the HP KEYMARK database on 23 Jun 20.		
COP Tj = Tbiv	3.55	2.48
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.69 kW	10.05 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.55	2.48
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL $<$ Tdesignh	1.000	1.000
WTOL	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

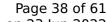
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	54 dB(A)	54 dB(A)

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





Prated		10.00 kW
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	7.71 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
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
101		10 C	



Page 39 of 61 This information was generated by the HP KEYMARK database on 23 Jun 2022

	- · · · · · · · · · · · · · · · · · · ·	int database on 25 jan 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
COP Tj = +7°C	5.74	4.31
Cdh Tj = +7 °C	0.980	0.990
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



Page 40 of 61

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 B4T 1-9kW

Configure model		
Model name	ecoGEO B4T 1-9kW	
Application	Heating (medium temp)	
Units	Indoor	
Climate Zone	Colder Climate + Warmer Climate	
Reversibility	Yes	
Cooling mode application (optional)	n/a	

General Data		
Power supply	3x400V 50Hz	

Heating

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

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

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

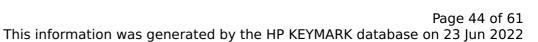
Supplementary Heater: PSUP

Annual energy consumption Qhe

Supplementary Heater: Type of energy input

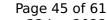
EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	54 dB(A)	54 dB(A)	

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





ins institution has gener	,	inin 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	7.71 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
$COPTj = +7^{\circ}C$	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



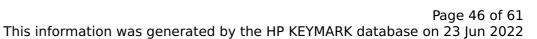


WTOL	60 °C	60 °C
Poff	11 W	11 W
PTO	11 W	11 W
PSB	11 W	11 W
PCK	o w	o w
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	5695 kWh	6279 kWh

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 Reinin	init database on 25 jun 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
$COP Tj = +7^{\circ}C$	5.74	4.31
Cdh Tj = +7 °C	0.980	0.990
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



Page 47 of 61

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 B3 1-9kW

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

General Data		
Power supply	1x230V 50Hz	

Heating

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

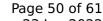
EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

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



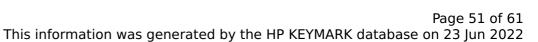


COP Tj = Tbiv	3.55	2.48
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.69 kW	10.05 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.55	2.48
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.000	1.000
WTOL	60 °C	60 °C
Poff	11 W	11 W
РТО	11 W	11 W
PSB	11 W	11 W
PCK	0 W	0 W
Supplementary 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 %





ins institution has gener	,	inin 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	7.71 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





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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	



Page 53 of 61 This information was generated by the HP KEYMARK database on 23 Jun 2022

	- · · · · · · · · · · · · · · · · · · ·	int database on 25 jan 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
COP Tj = +7°C	5.74	4.31
Cdh Tj = +7 °C	0.980	0.990
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



Page 54 of 61

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 B4 1-9kW

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

General Data		
Power supply	1x230V 50Hz	

Heating

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

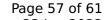
EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

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

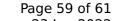
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	54 dB(A)	54 dB(A)

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





	•	
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	7.71 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
$COP Tj = +7^{\circ}C$	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





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





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	0.990
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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WTOL	60 °C	60 °C
Poff	11 W	11 W
РТО	11 W	11 W
PSB	11 W	11 W



Page 61 of 61

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