

Page 1 of 57

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Summary of	ECOGEO B/C 1 1-9kW	Reg. No.	011-1W0326	
Certificate Holder		<u> </u>		
Name	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 C1 T 1-9kW

Configure model			
Model name	ECOGEO C1 T 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 14511-4		
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		



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}	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 Tj = -7 °C	0.99	0.99	
Pdh Tj = +2°C	5.98 kW	6.07 kW	
COP Tj = +2°C	4.89	3.52	
Cdh Tj = +2 °C	0.99	0.99	
Pdh Tj = +7°C	3.81 kW	3.95 kW	
$COP Tj = +7^{\circ}C$	5.74	4.31	
Cdh Tj = +7 °C	0.98	0.98	
Pdh Tj = 12°C	1.73 kW	1.67 kW	

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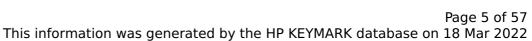




COP Tj = 12°C	4.93	3.80
Cdh Tj = +12 °C	0.96	0.97
Pdh Tj = Tbiv	10.69 kW	10.05 kW
COP Tj = Tbiv	3.52	2.48
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.69 kW	10.05 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.55	2.48
WTOL	60 °C	60 °C
Poff	11 W	11 W
РТО	11 W	11 W
PSB	11 W	11 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	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
Cdh Tj = +2 °C	0.99	0.99
Pdh Tj = $+7^{\circ}$ C	7.62 kW	7.21 kW
$COP Tj = +7^{\circ}C$	4.31	3.12
Cdh Tj = $+7$ °C	0.99	0.99
Pdh Tj = 12°C	3.33 kW	3.26 kW
COP Tj = 12°C	5.72	4.50
Cdh Tj = +12 °C	0.98	0.98
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
WTOL	60 °C	60 °C
Poff	11 W	11 W
PTO	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

	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 Tj = -7 °C	0.99	0.99
Pdh Tj = +2°C	4.33 kW	4.19 kW
COP Tj = +2°C	5.47	4.96
Cdh Tj = +2 °C	0.98	0.98
Pdh Tj = +7°C	2.73 kW	2.69 kW
$COP Tj = +7^{\circ}C$	5.74	6.00
Cdh Tj = +7 °C	0.97	0.97
Pdh Tj = 12°C	1.30 kW	1.30 kW





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COP Tj = 12°C	3.91	5.15
Cdh Tj = +12 °C	0.96	0.95
Pdh Tj = Tbiv	7.72 kW	7.59 kW
COP Tj = Tbiv	4.51	3.25
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
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	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 Tj = -15 °C	0.99	0.99

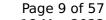
Domestic Hot Water (DHW)



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 I	

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 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	



Model: ECOGEO C2 T 1-9kW

Configure model		
Model name ECOGEO C2 T 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 14511-4		
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	
Starting and operating test	passed	

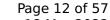
EN 14511-2			
	Low temperature	Medium temperature	
Heat output	4.12 kW	4.80 kW	
El input	0.91 kW	1.70 kW	
СОР	4.52	2.83	



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}	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 Tj = -7 °C	0.99	0.99
Pdh Tj = +2°C	5.98 kW	6.07 kW
COP Tj = +2°C	4.89	3.52
Cdh Tj = +2 °C	0.99	0.99
Pdh Tj = +7°C	3.81 kW	3.95 kW
COP Tj = +7°C	5.74	4.31
Cdh Tj = +7 °C	0.98	0.98
Pdh Tj = 12°C	1.73 kW	1.67 kW

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Cdh Tj = +12 °C 0.96 0.97 Pdh Tj = Tbiv 10.69 kW 10.05 kW COP Tj = Tbiv 3.52 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 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 4.00 kW 4.00 kW			
Pdh Tj = Tbiv 10.69 kW 10.05 kW COP Tj = Tbiv 3.52 2.48 Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	COP Tj = 12°C	4.93	3.80
COP Tj = Tbiv 3.52 2.48 Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	Cdh Tj = +12 °C	0.96	0.97
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	Pdh Tj = Tbiv	10.69 kW	10.05 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	COP Tj = Tbiv	3.52	2.48
WTOL 60 °C 60 °C 11 W 11 W PTO 11 W 11 W PSB 11 W 11 W PCK 0 W 0 W Supplementary Heater: Type of energy input Electricity Electricity Supplementary Heater: PSUP 4.00 kW 4.00 kW	Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.69 kW	10.05 kW
Poff 11 W 11 W PTO 11 W 11 W PSB 11 W 11 W PCK 0 W 0 W Supplementary Heater: Type of energy input Electricity Electricity Supplementary Heater: PSUP 4.00 kW 4.00 kW	COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.55	2.48
PTO 11 W 11 W 11 W PSB 11 W 0 W 0 W Supplementary Heater: Type of energy input Electricity Electricity 4.00 kW 4.00 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 4.00 kW 4.00 kW	Poff	11 W	11 W
PCK 0 W 0 W Supplementary Heater: Type of energy input Electricity Electricity Supplementary Heater: PSUP 4.00 kW 4.00 kW	РТО	11 W	11 W
Supplementary Heater: Type of energy input Electricity Electricity Supplementary Heater: PSUP 4.00 kW 4.00 kW	PSB	11 W	11 W
Supplementary Heater: PSUP 4.00 kW 4.00 kW	PCK	o w	o w
	Supplementary Heater: Type of energy input	Electricity	Electricity
Annual energy consumption Qhe 4699 kWh 6418 kWh	Supplementary Heater: PSUP	4.00 kW	4.00 kW
	Annual energy consumption Qhe	4699 kWh	6418 kWh

Warmer Climate

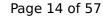
EN 14825		
	Low temperature	Medium temperature
η_{s}	192 %	145 %
Prated	11.00 kW	11.00 kW
SCOP	4.80	3.62
	'	



Page 13 of 57

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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	0.99	0.99
Pdh Tj = $+7^{\circ}$ C	7.62 kW	7.21 kW
$COPTj = +7^{\circ}C$	4.31	3.12
Cdh Tj = +7 °C	0.99	0.99
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
WTOL	60 °C	60 °C
Poff	11 W	11 W
РТО	11 W	11 W
PSB	11 W	11 W
PCK	0 W	o w
Supplementary Heater: Type of energy input	Electricity	Electricity





Supplementary Heater: PSUP	4.00 kW	4.00 kW
Annual energy consumption Qhe	3062 kWh	4033 kWh

	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 Tj = -7 °C	0.99	0.99
Pdh Tj = +2°C	4.33 kW	4.19 kW
COP Tj = +2°C	5.47	4.96
Cdh Tj = +2 °C	0.98	0.98
Pdh Tj = +7°C	2.73 kW	2.69 kW
$COP Tj = +7^{\circ}C$	5.74	6.00
Cdh Tj = +7 °C	0.97	0.97
Pdh Tj = 12°C	1.30 kW	1.30 kW





COP Tj = 12°C	3.91	5.15
Cdh Tj = +12 °C	0.96	0.95
Pdh Tj = Tbiv	7.72 kW	7.59 kW
COP Tj = Tbiv	4.51	3.25
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
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	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
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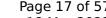
Domestic Hot Water (DHW)



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	

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EN 16147		
Declared load profile	L	
Efficiency ηDHW	78 %	
СОР	2.07	
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Standby power input	88.2 W	
Reference hot water temperature	58.9 °C	
Mixed water at 40°C	227 I	





 $$\operatorname{\textit{Page}}\ 17$$ of 57 This information was generated by the HP KEYMARK database on 18 Mar 2022

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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 B1 T 1-9kW

Configure model		
Model name	ECOGEO B1 T 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 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Starting and operating test passed	

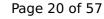
EN 14511-2		
Low temperature Medium temperature		Medium temperature
Heat output	4.12 kW	4.80 kW
El input	0.91 kW	1.70 kW
СОР	4.52	2.83



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}	196 %	142 %
Prated	11.00 kW	11.00 kW
SCOP	4.85	3.54
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Cdh Tj = +2 °C	0.99	0.99
Pdh Tj = +7°C	3.81 kW	3.95 kW
COP Tj = +7°C	5.74	4.31
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WTOL	60 °C	60 °C
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PCK	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	4699 kWh	6418 kWh

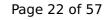
Warmer Climate

EN 14825		
	Low temperature	Medium temperature
η_{s}	192 %	145 %
Prated	11.00 kW	11.00 kW
SCOP	4.80	3.62
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This information was genera		
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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

EN 14825		
	Low temperature	Medium temperature
η_{s}	196 %	130 %
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COP Tj = -7°C	4.47	3.62
Cdh Tj = -7 °C	0.99	0.99
Pdh Tj = +2°C	4.33 kW	4.19 kW
COP Tj = +2°C	5.47	4.96
Cdh Tj = +2 °C	0.98	0.98
Pdh Tj = +7°C	2.73 kW	2.69 kW
COP Tj = +7°C	5.74	6.00
Cdh Tj = +7 °C	0.97	0.97
Pdh Tj = 12°C	1.30 kW	1.30 kW



$$\operatorname{\textit{Page}}\xspace$ 23 of 57 This information was generated by the HP KEYMARK database on 18 Mar 2022

COP Tj = 12°C	3.91	5.15
Cdh Tj = +12 °C	0.96	0.95
Pdh Tj = Tbiv	7.72 kW	7.59 kW
COP Tj = Tbiv	4.51	3.25
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COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.55	2.48
WTOL	60 °C	60 °C
Poff	11 W	11 W
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PSB	11 W	11 W
PCK	0 W	o 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
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COP Tj = -15°C (if TOL $<$ -20°C)	4.20	3.09
Cdh Tj = -15 °C	0.99	0.99
I control to the cont		



Model: ECOGEO B2 T 1-9kW

Configure model		
Model name	ECOGEO B2 T 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 14511-4		
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



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}	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 Tj = -7 °C	0.99	0.99
Pdh Tj = +2°C	5.98 kW	6.07 kW
COP Tj = +2°C	4.89	3.52
Cdh Tj = +2 °C	0.99	0.99
Pdh Tj = +7°C	3.81 kW	3.95 kW
COP Tj = +7°C	5.74	4.31
Cdh Tj = +7 °C	0.98	0.98
Pdh Tj = 12°C	1.73 kW	1.67 kW

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COP Tj = 12°C	4.93	3.80
Cdh Tj = +12 °C	0.96	0.97
Pdh Tj = Tbiv	10.69 kW	10.05 kW
COP Tj = Tbiv	3.52	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
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	4.00 kW	4.00 kW
Annual energy consumption Qhe	4699 kWh	6418 kWh

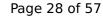
Warmer Climate

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
Cdh Tj = +2 °C	0.99	0.99
Pdh Tj = $+7^{\circ}$ C	7.62 kW	7.21 kW
$COPTj = +7^{\circ}C$	4.31	3.12
Cdh Tj = +7 °C	0.99	0.99
Pdh Tj = 12°C	3.33 kW	3.26 kW
COP Tj = 12°C	5.72	4.50
Cdh Tj = +12 °C	0.98	0.98
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
WTOL	60 °C	60 °C
Poff	11 W	11 W
РТО	11 W	11 W
PSB	11 W	11 W
PCK	0 W	o w
Supplementary Heater: Type of energy input	Electricity	Electricity





Supplementary Heater: PSUP	4.00 kW	4.00 kW
Annual energy consumption Qhe	3062 kWh	4033 kWh

Colder Climate

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 Tj = -7 °C	0.99	0.99
Pdh Tj = +2°C	4.33 kW	4.19 kW
COP Tj = +2°C	5.47	4.96
Cdh Tj = +2 °C	0.98	0.98
Pdh Tj = +7°C	2.73 kW	2.69 kW
COP Tj = +7°C	5.74	6.00
Cdh Tj = +7 °C	0.97	0.97
Pdh Tj = 12°C	1.30 kW	1.30 kW

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Page 29 of 57

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COP Tj = 12°C	3.91	5.15
Cdh Tj = +12 °C	0.96	0.95
Pdh Tj = Tbiv	7.72 kW	7.59 kW
COP Tj = Tbiv	4.51	3.25
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
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	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 Tj = -15 °C	0.99	0.99



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

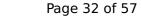
EN 14511-2		
	Low temperature	Medium temperature
Heat output	4.12 kW	4.80 kW
El input	0.91 kW	1.70 kW
СОР	4.52	2.83



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}	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 Tj = -7 °C	0.99	0.99
Pdh Tj = +2°C	5.98 kW	6.07 kW
COP Tj = +2°C	4.89	3.52
Cdh Tj = +2 °C	0.99	0.99
Pdh Tj = +7°C	3.81 kW	3.95 kW
COP Tj = +7°C	5.74	4.31
Cdh Tj = +7 °C	0.98	0.98
Pdh Tj = 12°C	1.73 kW	1.67 kW

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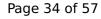
COP Tj = 12° C Cdh Tj = $+12^{\circ}$ C	4.93 0.96	3.80 0.97
Cdh Tj = +12 °C		0.97
Pdh Tj = Tbiv	10.69 kW	10.05 kW
COP Tj = Tbiv	3.52	2.48
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.69 kW	10.05 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.55	2.48
WTOL	60 °C	60 °C
Poff	11 W	11 W
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	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



This information was genera	ited by the HE KLIMAI	RK database on 18 Mar 2022
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	0.99	0.99
Pdh Tj = $+7^{\circ}$ C	7.62 kW	7.21 kW
$COPTj = +7^{\circ}C$	4.31	3.12
Cdh Tj = +7 °C	0.99	0.99
Pdh Tj = 12°C	3.33 kW	3.26 kW
COP Tj = 12°C	5.72	4.50
Cdh Tj = +12 °C	0.98	0.98
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
WTOL	60 °C	60 °C
Poff	11 W	11 W
РТО	11 W	11 W
PSB	11 W	11 W
РСК	0 W	o w
Supplementary Heater: Type of energy input	Electricity	Electricity





Supplementary Heater: PSUP	4.00 kW	4.00 kW
Annual energy consumption Qhe	3062 kWh	4033 kWh

	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 Tj = -7 °C	0.99	0.99
Pdh Tj = +2°C	4.33 kW	4.19 kW
COP Tj = +2°C	5.47	4.96
Cdh Tj = +2 °C	0.98	0.98
Pdh Tj = +7°C	2.73 kW	2.69 kW
$COP Tj = +7^{\circ}C$	5.74	6.00
Cdh Tj = +7 °C	0.97	0.97
Pdh Tj = 12°C	1.30 kW	1.30 kW



Page 35 of 57

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

COP Tj = 12°C	3.91	5.15
Cdh Tj = +12 °C	0.96	0.95
Pdh Tj = Tbiv	7.72 kW	7.59 kW
COP Tj = Tbiv	4.51	3.25
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
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	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 Tj = -15 °C	0.99	0.99

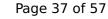
Domestic Hot Water (DHW)



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 I

Warmer Climate

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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

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 14511-4	
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



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}	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 Tj = -7 °C	0.99	0.99
Pdh Tj = +2°C	5.98 kW	6.07 kW
COP Tj = +2°C	4.89	3.52
Cdh Tj = +2 °C	0.99	0.99
Pdh Tj = +7°C	3.81 kW	3.95 kW
COP Tj = +7°C	5.74	4.31
Cdh Tj = +7 °C	0.98	0.98
Pdh Tj = 12°C	1.73 kW	1.67 kW

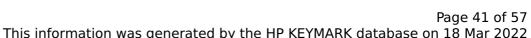




COP Tj = 12°C	4.93	3.80
Cdh Tj = +12 °C	0.96	0.97
Pdh Tj = Tbiv	10.69 kW	10.05 kW
COP Tj = Tbiv	3.52	2.48
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.69 kW	10.05 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.55	2.48
WTOL	60 °C	60 °C
Poff	11 W	11 W
РТО	11 W	11 W
PSB	11 W	11 W
PCK	o w	o w
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	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



This information was gener	ated by the HP KEYMA	RK database on 18 Mar 202
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	0.99	0.99
Pdh Tj = $+7^{\circ}$ C	7.62 kW	7.21 kW
$COPTj = +7^{\circ}C$	4.31	3.12
Cdh Tj = +7 °C	0.99	0.99
Pdh Tj = 12°C	3.33 kW	3.26 kW
COP Tj = 12°C	5.72	4.50
Cdh Tj = +12 °C	0.98	0.98
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
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
		1

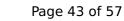
CEN heat pump KEYMARK





Supplementary Heater: PSUP	4.00 kW	4.00 kW
Annual energy consumption Qhe	3062 kWh	4033 kWh

	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 Tj = -7 °C	0.99	0.99
Pdh Tj = +2°C	4.33 kW	4.19 kW
COP Tj = +2°C	5.47	4.96
Cdh Tj = +2 °C	0.98	0.98
Pdh Tj = +7°C	2.73 kW	2.69 kW
$COP Tj = +7^{\circ}C$	5.74	6.00
Cdh Tj = +7 °C	0.97	0.97
Pdh Tj = 12°C	1.30 kW	1.30 kW





		-
COP Tj = 12°C	3.91	5.15
Cdh Tj = +12 °C	0.96	0.95
Pdh Tj = Tbiv	7.72 kW	7.59 kW
COP Tj = Tbiv	4.51	3.25
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
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	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 Tj = -15 °C	0.99	0.99

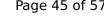
Domestic Hot Water (DHW)



EN 16147	
Dealers dilead susfile	
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





$$\operatorname{\textit{Page}}\xspace$ 45 of 57 This information was generated by the HP KEYMARK database on 18 Mar 2022

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 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

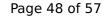
EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Starting and operating test	passed

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	



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}	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 Tj = -7 °C	0.99	0.99
Pdh Tj = +2°C	5.98 kW	6.07 kW
COP Tj = +2°C	4.89	3.52
Cdh Tj = +2 °C	0.99	0.99
Pdh Tj = +7°C	3.81 kW	3.95 kW
COP Tj = +7°C	5.74	4.31
Cdh Tj = +7 °C	0.98	0.98
Pdh Tj = 12°C	1.73 kW	1.67 kW





COP Tj = 12°C	4.93	3.80
Cdh Tj = +12 °C	0.96	0.97
Pdh Tj = Tbiv	10.69 kW	10.05 kW
COP Tj = Tbiv	3.52	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
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	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





Inis information was genera	Tica by the Hi KETMAI	tik database on 10 Mai 202.
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	0.99	0.99
Pdh Tj = +7°C	7.62 kW	7.21 kW
$COPTj = +7^{\circ}C$	4.31	3.12
Cdh Tj = +7 °C	0.99	0.99
Pdh Tj = 12°C	3.33 kW	3.26 kW
COP Tj = 12°C	5.72	4.50
Cdh Tj = +12 °C	0.98	0.98
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
WTOL	60 °C	60 °C
Poff	11 W	11 W
РТО	11 W	11 W
PSB	11 W	11 W
РСК	0 W	o w
Supplementary Heater: Type of energy input	Electricity	Electricity





Supplementary Heater: PSUP	4.00 kW	4.00 kW
Annual energy consumption Qhe	3062 kWh	4033 kWh

	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 Tj = -7 °C	0.99	0.99
Pdh Tj = +2°C	4.33 kW	4.19 kW
COP Tj = +2°C	5.47	4.96
Cdh Tj = +2 °C	0.98	0.98
Pdh Tj = +7°C	2.73 kW	2.69 kW
$COP Tj = +7^{\circ}C$	5.74	6.00
Cdh Tj = +7 °C	0.97	0.97
Pdh Tj = 12°C	1.30 kW	1.30 kW



This information was generated by the HF RETMARK database on 18 Mai 2022			
COP Tj = 12°C	3.91	5.15	
Cdh Tj = +12 °C	0.96	0.95	
Pdh Tj = Tbiv	7.72 kW	7.59 kW	
COP Tj = Tbiv	4.51	3.25	
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	
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	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 Tj = -15 °C	0.99	0.99	
4	T. Control of the Con	1	



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

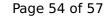
EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Starting and operating test	passed

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



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}	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 Tj = -7 °C	0.99	0.99
Pdh Tj = +2°C	5.98 kW	6.07 kW
COP Tj = +2°C	4.89	3.52
Cdh Tj = +2 °C	0.99	0.99
Pdh Tj = +7°C	3.81 kW	3.95 kW
COP Tj = +7°C	5.74	4.31
Cdh Tj = +7 °C	0.98	0.98
Pdh Tj = 12°C	1.73 kW	1.67 kW





COP Tj = 12°C	4.93	3.80
Cdh Tj = +12 °C	0.96	0.97
Pdh Tj = Tbiv	10.69 kW	10.05 kW
COP Tj = Tbiv	3.52	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
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	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
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Page 55 of 57

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

		tit database on 10 mai 202
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	10.69 kW	10.05 kW
$COPTj = +2^{\circ}C$	3.55	2.48
Cdh Tj = +2 °C	0.99	0.99
Pdh Tj = $+7^{\circ}$ C	7.62 kW	7.21 kW
$COP Tj = +7^{\circ}C$	4.31	3.12
Cdh Tj = +7 °C	0.99	0.99
Pdh Tj = 12°C	3.33 kW	3.26 kW
COP Tj = 12°C	5.72	4.50
Cdh Tj = +12 °C	0.98	0.98
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
WTOL	60 °C	60 °C
Poff	11 W	11 W
РТО	11 W	11 W
PSB	11 W	11 W
РСК	o 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

	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 Tj = -7 °C	0.99	0.99
Pdh Tj = +2°C	4.33 kW	4.19 kW
COP Tj = +2°C	5.47	4.96
Cdh Tj = +2 °C	0.98	0.98
Pdh Tj = +7°C	2.73 kW	2.69 kW
$COP Tj = +7^{\circ}C$	5.74	6.00
Cdh Tj = +7 °C	0.97	0.97
Pdh Tj = 12°C	1.30 kW	1.30 kW



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

COP Tj = 12°C	3.91	5.15
Cdh Tj = +12 °C	0.96	0.95
Pdh Tj = Tbiv	7.72 kW	7.59 kW
COP Tj = Tbiv	4.51	3.25
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
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	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 Tj = -15 °C	0.99	0.99