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



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# Model: ecoGEO C3 1-6 PRO

Configure model		
Model name ecoGEO C3 1-6 PRO		
Application	Heating + DHW + low temp	
Units	Indoor	
Climate Zone	Colder Climate + Warmer Climate	
Reversibility	Yes	
Cooling mode application (optional)	n/a	

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

## Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	2.58 kW	4.39 kW
El input	0.60 kW	1.53 kW
СОР	4.30	2.84

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

#### Warmer Climate

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

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

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This mornation was generated by the HF KLIMAKK database of 25 Teb 20			
COP Tj = Tbiv	3.72	2.79	
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.82 kW	5.50 kW	
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.72	2.79	
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh			
WTOL	70 °C	70 °C	
Poff	11 W	11 W	
РТО	11 W	11 W	
PSB	11 W	11 W	
РСК	0 W	0 W	
Supplementary Heater: Type of energy input	Electricity	Electricity	
Supplementary Heater: PSUP	0.00 kW	0.00 kW	
Annual energy consumption Qhe	1728 kWh	2066 kWh	

# Colder Climate

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

EN 14825		
	Low temperature	Medium temperature
η <sub>s</sub>	186 %	141 %

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

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

## Average Climate

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

EN 14825		
	Low temperature	Medium temperature
η <sub>s</sub>	178 %	136 %
Prated	6.00 kW	5.50 kW
SCOP	4.64	3.60
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C

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

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

# Domestic Hot Water (DHW)

#### Warmer Climate

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

## **Colder Climate**

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

# Average Climate

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

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# Model: ecoGEO C4 1-6 PRO

Configure model		
Model name	ecoGEO C4 1-6 PRO	
Application	Heating + DHW + low temp	
Units	Indoor	
Climate Zone	Colder Climate + Warmer Climate	
Reversibility	Yes	
Cooling mode application (optional)	n/a	

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

## Heating

EN 14511-2			
Low temperature Medium temperature			
Heat output	2.58 kW	4.39 kW	
El input	0.60 kW	1.53 kW	
СОР	4.30	2.84	

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

#### Warmer Climate

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

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

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This mornation was generated by the Thick that database of 25 Teb 202.			
COP Tj = Tbiv	3.72	2.79	
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.82 kW	5.50 kW	
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.72	2.79	
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh			
WTOL	70 °C	70 °C	
Poff	11 W	11 W	
РТО	11 W	11 W	
PSB	11 W	11 W	
РСК	0 W	0 W	
Supplementary Heater: Type of energy input	Electricity	Electricity	
Supplementary Heater: PSUP	0.00 kW	0.00 kW	
Annual energy consumption Qhe	1728 kWh	2066 kWh	

# Colder Climate

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

EN 14825		
	Low temperature	Medium temperature
η <sub>s</sub>	186 %	141 %

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

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WTOL	70 °C	70 °C
Poff	11 W	11 W
РТО	11 W	11 W
PSB	11 W	11 W
РСК	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	3059 kWh	3631 kWh

## Average Climate

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

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

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

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

# Domestic Hot Water (DHW)

#### Warmer Climate

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

## **Colder Climate**

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

# Average Climate

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

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# Model: ecoGEO B3 1-6 PRO

Configure model		
Model name	ecoGEO B3 1-6 PRO	
Application	Heating (medium temp)	
Units	Indoor	
Climate Zone	Colder Climate + Warmer Climate	
Reversibility	Yes	
Cooling mode application (optional)	n/a	

General Data		
Power supply	1x230V 50Hz	

### Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	2.58 kW	4.39 kW
El input	0.60 kW	1.53 kW
СОР	4.30	2.84

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

## Warmer Climate

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

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

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	<b>,</b>	
COP Tj = Tbiv	3.72	2.79
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.82 kW	5.50 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.72	2.79
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh		
WTOL	70 °C	70 °C
Poff	11 W	11 W
РТО	11 W	11 W
PSB	11 W	11 W
РСК	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1728 kWh	2066 kWh

# **Colder Climate**

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

EN 14825		
	Low temperature	Medium temperature
η <sub>s</sub>	186 %	141 %

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

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WTOL	70 °C	70 °C
Poff	11 W	11 W
РТО	11 W	11 W
PSB	11 W	11 W
РСК	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	3059 kWh	3631 kWh

## Average Climate

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

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

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

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

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# Model: ecoGEO B4 1-6 PRO

Configure model		
Model name	ecoGEO B4 1-6 PRO	
Application	Heating (medium temp)	
Units	Indoor	
Climate Zone	Colder Climate + Warmer Climate	
Reversibility	Yes	
Cooling mode application (optional)	n/a	

General Data		
Power supply 1x230V 50Hz		

### Heating

EN 14511-2			
Low temperature Medium temperature			
Heat output	2.58 kW	4.39 kW	
El input	0.60 kW	1.53 kW	
СОР	4.30	2.84	

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

## Warmer Climate

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

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

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COP Tj = Tbiv	3.72	2.79
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.82 kW	5.50 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.72	2.79
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh		
WTOL	70 °C	70 °C
Poff	11 W	11 W
РТО	11 W	11 W
PSB	11 W	11 W
РСК	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1728 kWh	2066 kWh

# Colder Climate

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

EN 14825		
	Low temperature	Medium temperature
η <sub>s</sub>	186 %	141 %

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

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WTOL	70 °C	70 °C
Poff	11 W	11 W
РТО	11 W	11 W
PSB	11 W	11 W
РСК	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	3059 kWh	3631 kWh

## Average Climate

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

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

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Pdh Tj = -7°C	5.35 kW	4.45 kW		
COP Tj = -7°C	3.87	2.89		
Cdh Tj = -7 °C	0.990	0.990		
Pdh Tj = +2°C	3.28 kW	2.73 kW		
COP Tj = +2°C	4.68	3.60		
Cdh Tj = +2 °C	0.980	0.980		
Pdh Tj = +7°C	2.10 kW	2.01 kW		
COP Tj = +7°C	5.26	4.14		
Cdh Tj = +7 °C	0.970	0.980		
Pdh Tj = 12°C	1.24 kW	1.16 kW		
COP Tj = 12°C	5.44	4.48		
Cdh Tj = +12 °C	0.950	0.960		
Pdh Tj = Tbiv	5.82 kW	5.50 kW		
COP Tj = Tbiv	3.72	2.79		
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.82 kW	5.50 kW		
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.72	2.79		
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh				
WTOL	70 °C	70 °C		
Poff	11 W	11 W		
РТО	11 W	11 W		
PSB	11 W	11 W		
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РСК	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2669 kWh	3152 kWh

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