



Ecodesign ecoGEO 3-12 kW

Average Climate

Main Components				Refrigerant	
	Manufacturer	Type of construction	Typ/model	Type	R410A
Compressor	Copeland	Scroll	XHV0251P-9E9	Quantity (kg)	1
Expansion Valve	Carel	Electric	E2V18FWFC1		
Condenser	Danfoss	Plate heat exchanger	H62L-CX-38		
Evaporator	Danfoss	Plate heat exchanger	H62L-EZU-40		
Brine Circulator Pump	Grundfos	Variable speed	UPML 25-105		
Heating Circulator Pump	Grundfos	Variable speed	UPM GEO 25-85		

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Domestic hot water heating	General	Declared load profile	L
Heating capacity	Nom.	kW	12,26
	Standby Heat Loss	kWh/Day	1,0221
	Tank Volume	Litres	160
		DHW COP tested to EN16147	2
		Reference hot water temperature EN16147	58,08 °C

Sound level measuring			
EN 12102, in the testing point B0/W55 (100% compressor)			
	Sound power level EN 9614-2	LwA	dB(A) 53,8
	Sound power level EN 12102	LwA	dB(A) 53,8
EN 12102, in the testing point B-5/W55 (100% compressor)			
	Sound power level EN 9614-6	LwA	dB(A) 54,6
	Sound power level EN 12102	LwA	dB(A) 54,6



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35°C

Space Heating	% Part Load	Declared Capacity (kW)	Declared COP	Power consumption (kW)
A Condition (-7°C)	88	10,88	4,01	2,56
B Condition (2°C)	54	6,7	4,86	1,31
C Condition (7°C)	35	4,31	5,29	0,79
D Condition (12°C)	15	1,85	5,76	0,32

55°C

Space Heating	% Part Load	Declared Capacity (kW)	Declared COP	Power consumption (kW)
A Condition (-7°C)	88	10,19	2,82	3,5
B Condition (2°C)	54	6,47	3,66	1,71
C Condition (7°C)	35	4,24	4,24	0,99
D Condition (12°C)	15	1,87	1,87	0,38

	P standby, W	Total h
Pto	21	178
Psb	21	0
Pck	0	3850
Poff	21	3672
Hhe		2066

Pdesign (°C)	12
Tdesign (°C)	-10
Tbiv (°C)	-10
TTol (°C)	-10