GREEN 180 - GREEN 180 S

Monobloc heat pump water heater with domestic hot water storage with or without solar exchanger

Technical and construction characteristics



Model	Code	€
GREEN 180	37010400	3.200,00
GREEN 180 S	37010500	3.470,00

Accessories GREEN 180 - GREEN 180 S

Electronic sacrificial magnesium anode		37010401	198,00
	Ultra flexible polyethylene ducted hose double thermal-phonic wall, internal diameter 160 mm, length 10 metres	37900196	180,00
	Square grille with built-in windproof protection in white ABS plastic mod. 152 with connection collar diameter 150 mm	37900260	30,00

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Dimensions and weights of heat pump water heaters GREEN 180 - GREEN 180 S



	U.M.	180	180 S
A	mm	1370	1370
В	mm	940	940
С	mm	760	760
D	mm	515	515
E	mm	-	515
F	mm	-	255
G	mm	490	490
Н	mm	125	125
I	mm	260	260
L	mm	680	680
Ρ	mm	425	425
ØC	mm	160	160
Ø	mm	660	660
Weigh	it Kg	115	120

	DESCRIPTION	DIMENSIONS
1	Hot water withdrawal	1"
2	Recirculation	1/2"
3	Solar delivery	1"
4	Solar return	1"
5	Condensate drain	1/2"
6	Cold water inlet	1"
7	Electrical resistance	1"1/4
8	Sacrificial anode	1"1/4
9	HP probe	1/2"
10	Probe	1/2"
11	Probe	1/2"

Installation methods GREEN 180 - GREEN 180 S



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Technical data table for heat pump water heaters GREEN 180 - GREEN 180 S

Model	U.M.	GREEN 180	GREEN 180 S
Tank capacity	I	180	175
Type of corrosion protection		Sacrificial magr	iesium anode
Anode connection diameter		1"1/	4 F
Condensate drain diameter		1/2	' F
Max working pressure	bar	6	
Max working pressure on auxiliary coil	bar	10	
Flow rate required for the coil 80/60 °C	m³/h	-	0,8
Auxiliary coil surface	m ²	_	0,8
Domestic hot water production 80/60 °C - 10/45 °C (DIN4708)	m ³ /h	-	0,5
Minimum water hardness	°F	12	
Insulation thickness	mm	50	
Power absorbed in stand-by	W	43	
Power supply		230V/1/50Hz	
Power cable section	mm ²	3 x 1,5	
Magnetothermic type		16A - differential 30 mA	
Thermal power ⁽¹⁾	W	1950	
Electrical power absorbed (average) (1)	W	488	
Electrical power absorbed (max) ⁽¹⁾	W	700	
COP (2)		2,90	
Warm-up time ⁽¹⁾	hh:mm	04:58 07:22	
Max usable DHW volume at 40 °C (Vmax) (2)	I	240	370
Max DHW temperature with heat pump	°C	60 (55 of the factory)	
Refrigerant charge	Kg	1,5	
Max refrigerant circuit pressure (high pressure side)	bar	25	
Electric resistance power	W	1500	
Current absorbed electrical resistance	A	6,3	
Air flow	m ³ /h	450	
Useful static pressure	Pa	80	
Intake air temperature min ⁽³⁾ /max	°C	+8 / +32	
Suction/expulsion pipe diameter	mm	160	
Maximum duct length (intake/exhaust)	m	10	
Sound power level (LwA)	dB(A)	60	
Sound pressure level (LpA) at 1 meter(4)	dB(A)	49	

1) values measured by heating the water from 10°C to 54°C with air intake temperature at 15°C and relative humidity of 71%.

2) value obtained over the entire L-type sampling cycle, at the reference temperature of 54°C, as required by UNI-EN16147.

minimum external air temperature (modifiable via parameter h05) below which domestic hot water heating occurs with the boiler or rexistence; default: 8°C if defrost function not active, -5°C if defrost function active.
in free field with non-ducted suction/delivery ports.

