

GREEN 400 - GREEN 400 S

Monobloc heat pump water heater with domestic hot water storage and additional exchanger



Technical and construction characteristics

Following important investments in the development of new technologies aimed at the use of renewable energy and energy saving, A2B Accorroni E.G. has created a new range of high efficiency monobloc heat pump water heaters with a high content of domestic water GREEN GREEN 400 - GREEN 400 S series with integrated solar thermal exchanger.

The GREEN 400 - GREEN 400 S heat pump water heater represents the ecological evolution of the traditional water heater, which uses a renewable energy thermodynamic system to absorb heat directly from the external air heated free of charge by the sun. GREEN 400 - GREEN 400 S can access the Conto Termico 2.0 incentive issued to encourage all those interventions aimed at increasing the energy efficiency of existing buildings. The GREEN 400 - GREEN 400 S heat pump water heater is characterized in particular by its ease of installation, silent operation and great reliability.

GREEN 400 - GREEN 400 S has the following technical characteristics:

- Time programming, to take advantage of any time slots

advantageous on the electricity tariff;

- Different operating modes: maximum savings with use of compressor only or maximum speed to produce large quantities of DHW in a short time, using a heat pump and integrative electric resistance at the same time;
- There is no possibility of contamination between water and fluid refrigerant, the heat exchanger is external to the tank;
- Sanitary water sterilization programs (the danger of legionella bacterium is averted thanks to periodic cycles that raise the temperature of the storage water above 65 °C);
- Standard magnesium anode that protects the tank from action corrosive. Compared to the magnesium anode solution, greater reliability is guaranteed, with lower maintenance costs.



POWER RENEWABLE



GAS ECOLOGICAL



ENERGY EFFICIENCY



NO UNITS EXTERNAL



HIGH EFFICIENCY



SAVINGS ENERGY



COMBINATION SOLAR THERMAL



TANK IN STAINLESS STEEL



HOT WATER HEALTH



NOMINAL COP 2.66

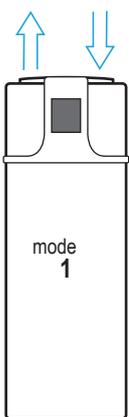


INSTALLATION FACILITATED

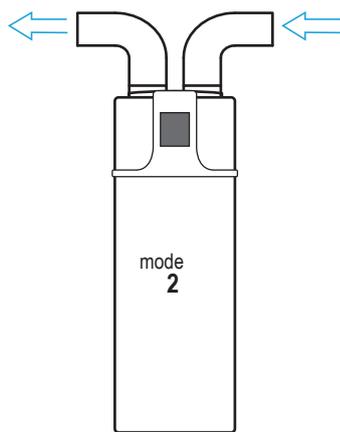
Model	Code	€
GREEN 400	37030503	5.340,00
GREEN 400 S	37030504	5.680,00

Installation methods GREEN 400 - GREEN 400 S

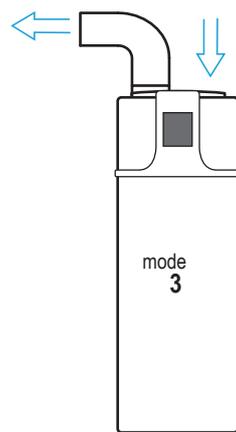
air outlet air inlet



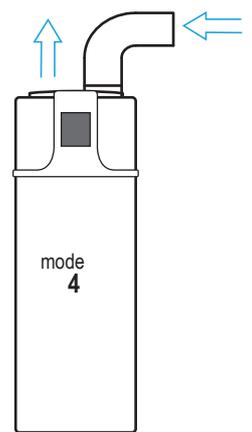
air outlet air inlet



air outlet air inlet



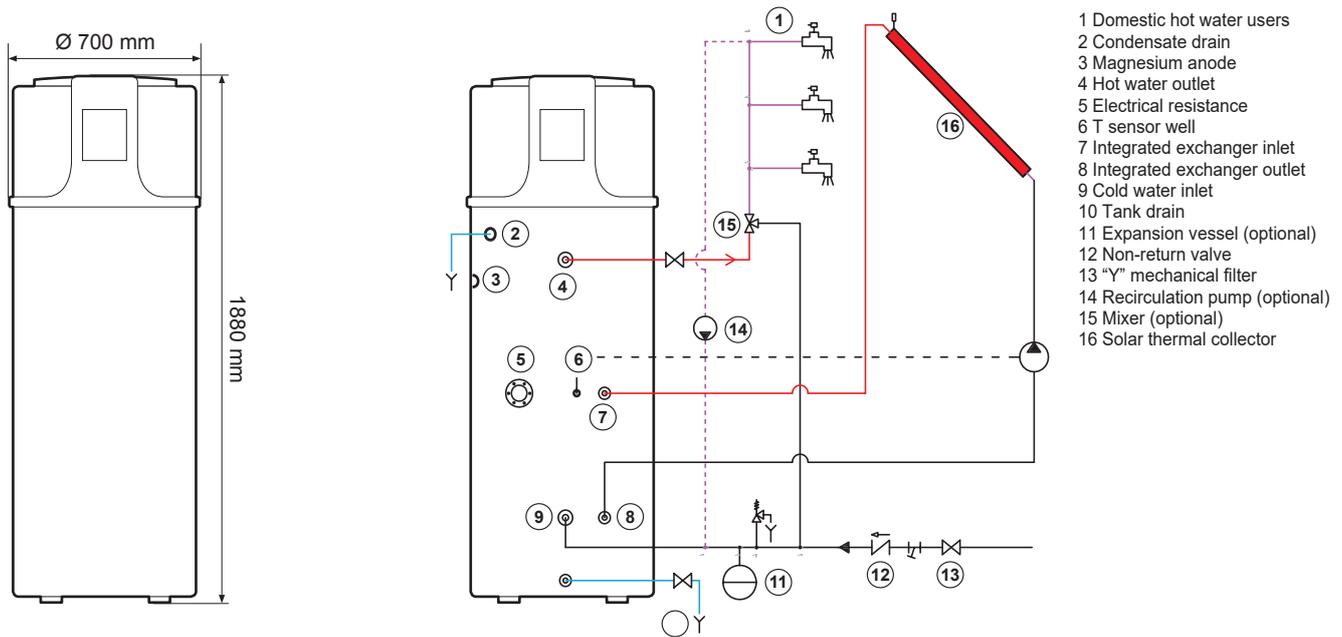
air outlet air inlet



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Dimensions and hydraulic connections GREEN 400 - GREEN 400 S



- 1 Domestic hot water users
- 2 Condensate drain
- 3 Magnesium anode
- 4 Hot water outlet
- 5 Electrical resistance
- 6 T sensor well
- 7 Integrated exchanger inlet
- 8 Integrated exchanger outlet
- 9 Cold water inlet
- 10 Tank drain
- 11 Expansion vessel (optional)
- 12 Non-return valve
- 13 "Y" mechanical filter
- 14 Recirculation pump (optional)
- 15 Mixer (optional)
- 16 Solar thermal collector

Technical data table for heat pump water heaters GREEN 400 - GREEN 400 S

Model	U.M.	GREEN 400	GREEN 400 S
Tank volume	l		400
Solar integration coil (INOX)	m ²	-	1,0
Nominal heat output (1)	W	2020	2060
Nominal electrical absorption (1)	W	486	477
Nominal DHW production capacity (1)	l/h		45,0
COP nominal (1)	W/W	4,16	4,32
COP DHW (2)	W/W	2,81	2,61
Test cycle profile (2)			XL
Hot water volume at 40 °C (2)	l	439	434
Energy efficiency class (3)			A
Degree of protection			IPX1
Hot water ΔT adjustment range	°C		10÷70 (50 default)
Maximum ΔT hot water compressor only	°C		60
Elect. data	Power supply		230V/1/50Hz
	Integrative electrical resistance	W	1500
	Max current (PdC + resistance)	A	10
Circuit data refrigerator	Refrigerant (4)	(GWP)	R134A (1430)
	Quantity	Kg	0,80
	Tons of CO2 equivalent	t	1,144
H Specific.	Compressor		Rotative ON - OFF
	Dimensions Ø x	mm	700 x 1880
	Net weight	Kg	110
	Sound power level	dB(A)	56
Tank	Sound pressure level at 2 m	dB(A)	38
	Tank material		Steel INOX 304
	DHW connections		G 1" (DN25)
	Solar coil connections		G 3/4" (DN20)
	Anode type		Titanium electrode with alarm LED
	Max working pressure	bar	10
	Field of work	°C	-5 / +43
	Air flow (with ducting)	m ³ /h	450
	Suctioned air Fan head	Pa	60
Air duct diameter	mm	177	
Air duct length max	m	6	

(1) Conditions: intake air 20°C DB (15°C WB), inlet water 15°C / outlet 55°C

(2) Test according to EN16147; air 7°C

(3) Directive 2009/125/EC - ERP EU n. 814/2013 (TUV Sud certification for all models)

(4) Refrigerant loss contributes to climate change. If released into the atmosphere, refrigerants with a higher global warming potential (GWP).

low contribute less to global warming than those with a higher GWP.

This appliance contains a refrigerant fluid with a GWP of 1430.

If 1 kg of this refrigerant fluid were released into the atmosphere, therefore, the impact on global warming would be 1430 times higher than 1 kg of CO₂, over a period of 100 years. Under no circumstances should the user try to intervene on the refrigerant circuit or to disassemble the product. If necessary, always contact qualified personnel.