

# WHITE 110

Wall-hung monobloc heat pump water heater with sanitary storage



## Technical and construction features

The WHITE 110 water heater is a water heater with a water capacity of 110 liters, made of S235 JR steel with internal vitrification treatment, insulation in high thickness rigid polyurethane foam (PU) free from CFC and HCFC.

- External coating in powder coated sheet metal epoxy (white color) and plastic material (ABS).
- Anchoring brackets for wall installation.
- Magnesium anode for corrosion protection.
- Hydraulic fittings positioned in the lower part.
- Condenser wrapped to the steel kettle (not immersed in water).
- Integrated electrical resistance of 1,5 kW 230V ~ which can be activated command placed in the control panel to heat the water from 60 ° C (max temperature with the heat pump only) to 70 ° C.
- Rotary compressor for maximum efficiency and silence.

- Centrifugal fan for the necessary air ducting correct operation of the heat pump.
- Finned pack evaporator.
- R134a refrigerant fluid.
- Safety thermostat calibrated at + 85 ° C
- ON-OFF contact to start the unit from an external switch - Electronic control equipped with control panel complete with LCD touch display, water temperature indicator, heat pump and electric resistance operating light indicator, controls with indicators for activating the different operating modes, reports of any alarm malfunctions, in particular:

- Anti-legionella function
- Setting / displaying time and day - Set the hot water temperature

### STANDARD ACCESSORIES

- Bracket for wall fixing
- Fixing screws and plugs
- Spacers for wall support
- Dielectric joints



RENEWABLE ENERGY



GAS ECOLOGIC



PHOTOVOLTAIC COMBINATION



HIGH EFFICIENCY



ENERGY SAVING



DHW



INTEGRATED EASY PROGRAMMING



NO OUTDOOR UNIT

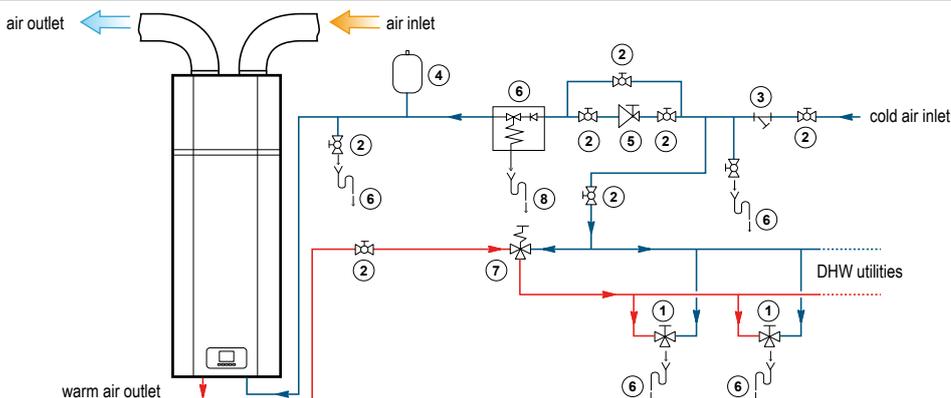


EASY INSTALLATION

Model  
**WHITE 110**

Code  
**3801011** €  
**2.484,00**

## Installation diagram WHITE 110

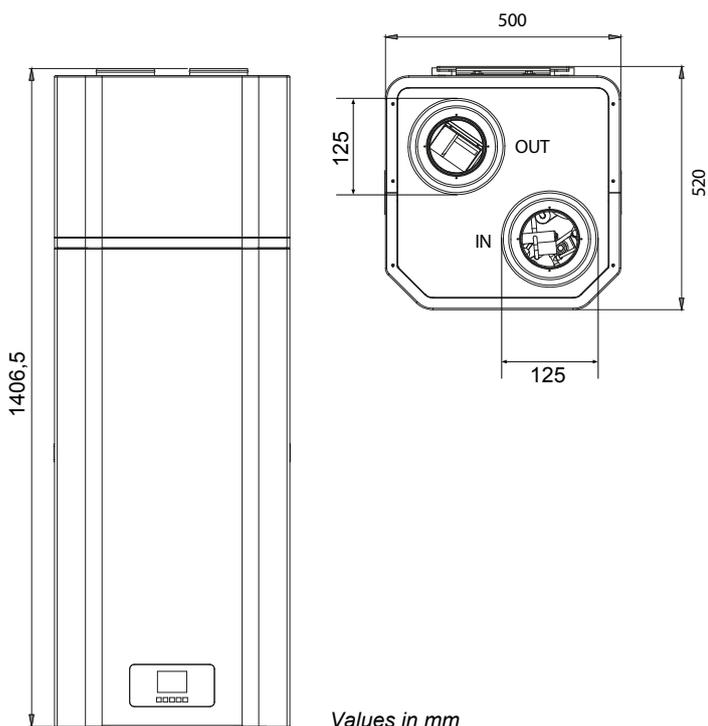


- 1 DHW mixing valve
- 2 Shut-off cock
- 3 Mechanical "Y" filter
- 4 Expansion vessel
- 5 Water pipeline pressure reducer
- 6 Safety valve
- 7 Anti-scald valve
- 8 Water drain

# WHITE 110

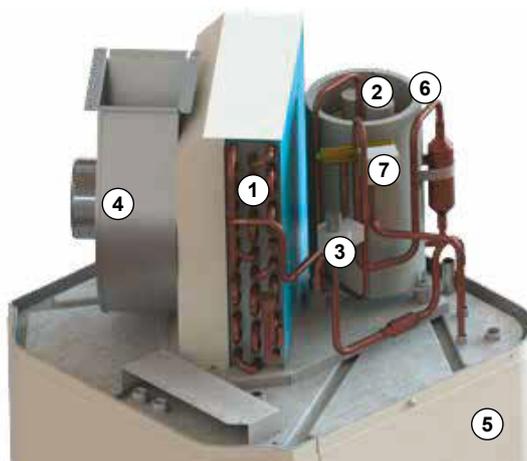
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## Dimensions WHITE 110



Values in mm

- 1 Finned pack evaporator
- 2 Rotary compressor
- 3 Electronic lamination valve
- 4 Centrifugal fan
- 5 110 liter DHW boiler
- 6 Compressor sound-absorbing insulation
- 7 Cycle inversion valve



## Technical data table for wall-hung heat pump water heater WHITE 110

DESCRIPTION	U.M.	WHITE 110
Energy rating (1)		A+
Load profile declared		M
COP <sub>DHW</sub> (ERP) (2)	W/W	2,62
Warm-up time (3)	h : min	6 : 25
Energy absorbed in heating	kWh	1,58
Annual electricity consumption (Temperate climatic condition)	kWh/anno	462
Nominal fan air flow heat pump	m <sup>3</sup> /h	300
Fan air flow heat pump 60 Pa	m <sup>3</sup> /h	170
Static pressure available	Pa	60
Heat pump heat output(3)	W	850
Absorbed electrical power heat pump (3)	W	236
Electric power resistance	W	1500
Nominal current of heat pump(3)	A	1,14
Rated electrical resistance current	A	6,50
Maximum absorbed current (resistance + heat pump at max power)	A	8,31
Max electrical absorption (resistance + heat pump at max power)	W	1900
Power supply		230V/1/50Hz
Maximum outlet temperature without integration resistance	°C	60
Refrigerant type		R134a
Refrigerant charge	g	650
GWP refrigerant		1430
Quantity of fluorinated greenhouse gases	t CO <sub>2</sub> eq	0,93
Maximum refrigerant pressure in suction and delivery	bar	0,2 / 25
Safety valve calibration	bar	8
Hydraulic connections diameter		G 1/2" M
Nominal tank volume	l	110
Internal tank treatment		Vitrified
Sound power (4)	dB(A)	48,5
Diameter of inlet and outlet air ducts	mm	DN 125
Degree of protection		IPX1
Operating temperature range	°C	-5~43
Dimensions (LxHxP)	mm	550x550x1460
Net weight	kg	72
Gross weight (with filled tank)	kg	182

(1) Tank at 20 °C ambient temperature, ducted inlet air 7 °C DB, 6 °C BU, inlet water temperature 10 °C and tank set at 55 °C (2) Measurement carried out with tank located in an ambient temperature of 20 °C, external air inlet 7 °C, in compliance with EN 16147

(3) Ambient temperature 20 °C, water temperature from 15 °C to 55 °C, external temperature 7 °C

(4) Measurement carried out according to EN 12102: ducted unit both at the inlet and the outlet through 2 rigid pipes Ø 125 mm long 2 meters each