

TECHNICAL PARAMETERS OF WATER HEATERS



Parameters for the water heater and storage tank

Model(s):	CTC Safir 90L		
Conventional water heater:	Yes		
Heat pump water heater:	No		
Solar water heater:	No		
Storage tank:	No	Back-up immersion heater:	NA

General data

Declared load profile	-	L	-
Energy efficiency class	-	D	-
Energy efficiency	η_{WH}	36	%
Annual electricity consumption	AEC	2977	kWh
Factory thermostat setting		55	°C
Sound power level indoors	L_{WA}	15	dB
Daily electricity consumption	Q_{elec}	13,533	kWh

Fossil and/or biomass fuel heated water heater

Daily fuel consumption	Q_{fuel}	NA	kWh
Emissions of nitrogen oxides (dioxide)	NO_x	NA	mg/kWh

Solar heated water heater

Collector aperture area	A_{sol}	NA	m ²
Zero-loss efficiency	η_0	NA	-
First-order coefficient	a_1	NA	W/(m ² K)
Second-order coefficient	a_2	NA	W/(m ² K)
Incidence angle modifier	IAM	NA	-
Pump power consumption	(solpump)	NA	W
Standby power consumption	(solstandby)	NA	W

Heat pump heated water heater

Sound power level outdoors	L_{WA}	NA	dB
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Technical parameter at declared load profile

Storage water heater (3XS, XXS, XS)	Volym	NA	L
Storage water heater (S, M, XL, XXL, 3XL, 4XL)	Mixed vol 40° DHW	190	L

Smart controller

Weekly fuel consumption with smart	$Q_{fuel, week, smart}$	NA	kWh
Weekly electricity consumption with smart	$Q_{elec, week, smart}$	NA	kWh
Weekly fuel consumption without smart	$Q_{fuel, week}$	NA	kWh
Weekly electricity consumption without smart	$Q_{elec, week}$	NA	kWh

Technical parameters for storagetank

Standing loss	S	NA	W
Storage volume	V, C _{act}	NA	L

Specific precautions and end of life information:

The packaging must be deposited at a recycling station or with the installation engineer for correct waste management. At the end of the product's life cycle, it must be sent correctly to a waste station or reseller offering a service of that type. Disposing of the product as household waste is not permitted.

Detailed Contact data:

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