

TECHNICAL PARAMETERS OF WATER HEATERS



Parameters for the water heater and storage tank

| | | | |
|----------------------------|----------------|---------------------------|----|
| Model(s): | CTC Safir 200L | | |
| 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 | - | XL | - |
| Energy efficiency class | - | C | - |
| Energy efficiency | η_{WH} | 39 | % |
| Annual electricity consumption | AEC | 4340 | kWh |
| Factory thermostat setting | - | 73 | °C |
| Sound power level indoors | L_{WA} | 15 | dB |
| Daily electricity consumption | Q_{elec} | 19,726 | 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 |
|----------------------------|----------|----|----|

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 | 383 | 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} | 183 | 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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