

TECHNICAL PARAMETERS OF WATER HEATERS



Parameters for the water heater and storage tank

Model(s):	CTC EcoWater 300		
Conventional water heater:	No		
Heat pump water heater:	Yes		
Solar water heater:	Yes		
Storage tank:	No	Back-up immersion heater:	Yes

General data

Daily electricity consumption	Q_{elec}	4,820	kWh
Energy efficiency	η_{wh}	160	%
Energy efficiency class	-	A	-
Annual electricity consumption	AEC	1046	kWh
Declared load profile	-	XL	-
Sound power level indoors/outdoors	L_{WA}	-/55	dB

Fossil and/or biomass fuel heated water heater

Daily electricity 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}	55	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)	Blandad vol 40° VV	468	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

Storage volume	V	NA	L
Standing loss	S	NA	W

Detailed contact data:

Enertech AB, Box 309, 341 26 Ljungby www.ctc.se

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Model(s):	CTC EcoWater 301		
Conventional water heater:	No		
Heat pump water heater:	Yes		
Solar water heater:	Yes		
Storage tank:	No	Back-up immersion heater:	Yes

General data

Daily electricity consumption	Q_{elec}	4,820	kWh
Energy efficiency	η_{wh}	160	%
Energy efficiency class	-	A	-
Annual electricity consumption	AEC	1046	kWh
Declared load profile	-	XL	-
Sound power level indoors/outdoors	L_{WA}	-/55	dB

Fossil and/or biomass fuel heated water heater

Daily electricity 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}	55	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)	Blandad vol 40° VV	447	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

Storage volume	V	NA	L
Standing loss	S	NA	W

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Parameters for the water heater and storage tank

Model(s):	CTC EcoWater 302		
Conventional water heater:	No		
Heat pump water heater:	Yes		
Solar water heater:	Yes		
Storage tank:	No	Back-up immersion heater:	Yes

General data

Daily electricity consumption	Q_{elec}	4,820	kWh
Energy efficiency	η_{wh}	160	%
Energy efficiency class	-	A	-
Annual electricity consumption	AEC	1046	kWh
Declared load profile	-	XL	-
Sound power level indoors/outdoors	L_{WA}	-/55	dB

Fossil and/or biomass fuel heated water heater

Daily electricity 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}	55	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)	Blandad vol 40° VV	419	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

Storage volume	V	NA	L
Standing loss	S	NA	W

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