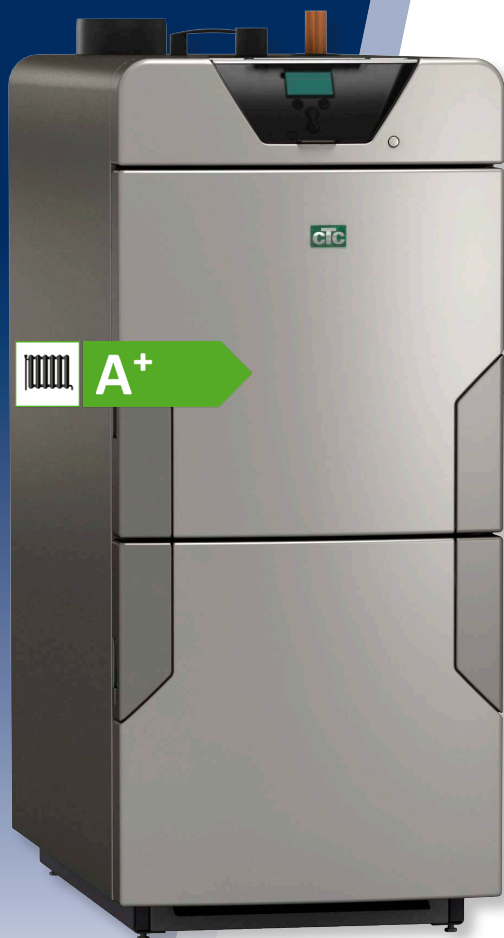


CTC V40/ CTC V22

Lambda Controlled Wood Boilers



Probably the best wood boilers in the world!

CTC V40 and CTC V22 are equipped with a ceramic hearth that can withstand extremely high temperatures and a ceramic combustion chamber with excellent turbulence, resulting in more even and efficient combustion. The Lambda sensor automatically controls two damper motors: one primary, and one for secondary air, which always provides optimal combustion.

The hearth, which can hold as much as 138 litres of wood, has hanging plates which optimally distribute the primary air and minimise the risk of the wood drooping. Sweeping is easy with a lever on the right or left-hand side which cleans the tubes. All ash emptying is carried out from the front, and the small amount of ash can easily be raked down into the built-in ash pan. A flue gas fan with powerful suction means you won't get smoke in your face every time the hatch is opened.

The wood boiler can control two heating circuits for both floor heating and radiators. The user-friendly control panel lets you easily keep track of things. To achieve optimal operation and best economy with the least possible effort, wood boilers must always be connected to a hot water storage system of 1,500-3,000 litres.

Energy-using products must undergo the EU's Ecodesign. Both CTC V40 and CTC V22 meet the requirements – with good margins. They have an efficiency level over 90 % and are certified by SP Technical Research Institute of Sweden.

When you have roots in Sweden, your heart is always warmed by what the forest provides. And it was with our wood boilers that we launched our company in 1923. Year after year we work on new solutions to squeeze even more energy out of each log. Today's boilers are considerably better than before. They are cleaner, more eco-friendly and more comfortable.

Ecodesign data scale (A+++ to G).

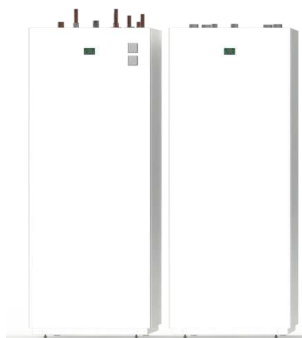
Benefits

- Over 90 % boiler efficiency level.
- Satisfies Europe's most stringent requirements
- Powerful suction fan
- Ceramic combustion chamber
- Lever sweeping
- Doors with automotive mechanics
- User-friendly display
- Simpler wood firing



Find a CTC distributor in your home country
www.ctc-heating.com

Hot water storage tanks and accessories



300

Hot Water Storage Tank 1: 300/20

Insulated, 300 litre coil tank with 20 m hot water coil and two mounted thermometers. Outlet for an immersion heater 2". Heat source connection 1 1/4". CTC no.: 588351301

Hot Water Storage Tank 2: 300

Insulated, 300 litre volume tank with two mounted thermometers. Outlet for an immersion heater 2". Heat source connection 1 1/4". CTC no.: 588354301

500

Hot Water Storage Tank 1: 500/25

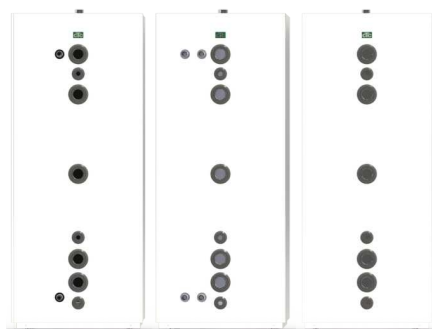
Insulated, 500 litre coil tank with 25 m hot water coil. Outlet for an immersion heater 2". Heat source connection 2". CTC no.: 588350301

Hot Water Storage Tank 1: 500/50

Insulated, 500 litre coil tank with 2 x 25 m hot water coils. Outlet for an immersion heater 2". Heat source connection 2". CTC no.: 588349301

Hot Water Storage Tank 2: 500

Insulated, 500 litre volume tank. Outlet for an immersion heater 2". Heat source connection 2". CTC no.: 588353301



750

Hot Water Storage Tank 1: 750/50

Insulated, 750 litre coil tank with 2 x 25 m hot water coils. Outlet for an immersion heater 2". Heat source connection 2". CTC no.: 588348301

Hot Water Storage Tank 1: 750/75

Insulated, 750 litre coil tank with 3 x 25 m hot water coils. Outlet for an immersion heater 2". Heat source connection 2". CTC no.: 588347301

Hot Water Storage Tank 2: 750

Insulated, 750 litre volume tank. Outlet for an immersion heater 2". Heat source connection 2". CTC no.: 588352301

CTC Charge System 21-60

Charging equipment to get more energy out of your wood boiler. It increases the efficiency level, increases storage capacity, reduces smoke and tar build-up, increases comfort, increases the boiler's service life, and minimises the amount of effort required.

CTC no.: 586095001



Flue pipe with sweeping hatch

Extension straight/up with sweeping hatch Height 190 mm, internal diameter 165 mm/150 mm.

CTC no.: 573490001



Flue pipe extension 990 mm

Round flue pipe extension Ø 140 mm

CTC no.: 573372001

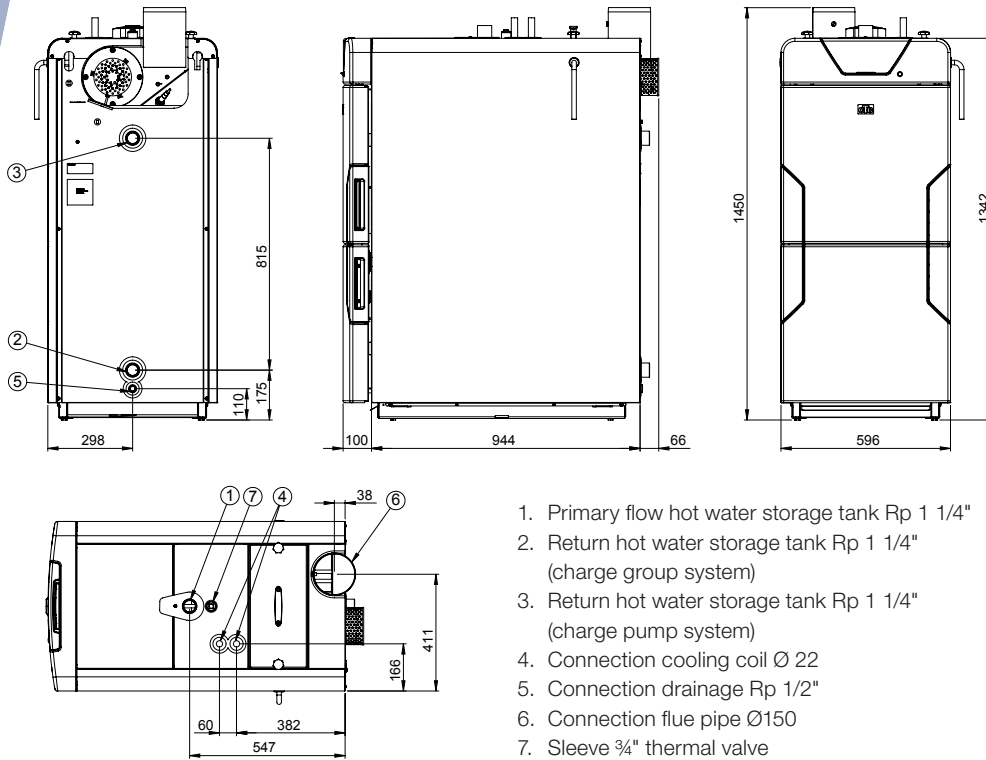


Flue pipe extension 1 m

Rectangular flue pipe extension 170x110 mm

CTC no.: 553624012

Dimensions diagram



1. Primary flow hot water storage tank Rp 1 1/4"
2. Return hot water storage tank Rp 1 1/4"
(charge group system)
3. Return hot water storage tank Rp 1 1/4"
(charge pump system)
4. Connection cooling coil Ø 22
5. Connection drainage Rp 1/2"
6. Connection flue pipe Ø150
7. Sleeve 3/4" thermal valve

Delivery includes:
Wood boiler with manual.

Packaging includes:
Angled flue pipe, sweeping equipment, drainage valve, room sensor, primary flow sensor, outdoor sensor.



Technical data		V40	V22
CTC no.:		586000011	586001011
Weight (packaged weight)	kg	470	460
Dimensions (depth x width x height)	mm	1044 x 596 x 1450	
Hearth volume	litres	138	
Hearth dimensions (depth x width x height)	mm	549 x 370 x 680	
Electrical Data, connection		230V 1N~	
Energy efficiency class in heating system (with CTC EcoLogic) ¹⁾		A ⁺	
Energy efficiency class ¹⁾		A ⁺	
Boiler class (as per EN 303-5)		5	
Seasonal energy efficiency – room heating η_s	%	80	78
Boiler efficiency level	%	92	91
Rated power	kW	40	22
Energy Efficiency Index (EEI)		118	115
Enclosure class (IP)		IP X1	
Water volume – Heating system (V)	litres	105	114
Recommended hot water storage volume	litres	2000-3000	1500-2000
Max. operating temperature (TS)	°C	110	
Max. operating pressure (PS)	bar	3	
Flue gas temperature factory setting	°C	165	
Recommended chimney draught	mbar	0.15-0.30	
Recommended chimney diameter	mm	150-200	120-200
Sound power (L_{WA})	dB(A)	56	

¹⁾ Technical parameters for solid fuel boilers (Regulation (EU) 2015/1187). Ecodesign data scale: A⁺⁺ to G
Energy labels and data sheets can be downloaded from www.ctc-heating.com/Ecodesign

