HEATING WITH WOOD LOGS

Effecta Lambda 25/35/60kW

EFFECTA
MADE IN
SWEDEN
QUALITY SINCE
1982

effecta

EFFECTA LAMBDA

25, 35 and 60 kW.

93% EFFICIENCY

MCS approved

As Easy As it Gets

We are proud to present our wood gasification log boiler, the Effecta Lambda. This boiler will give you a new dimension of heating with logs.

How It Works

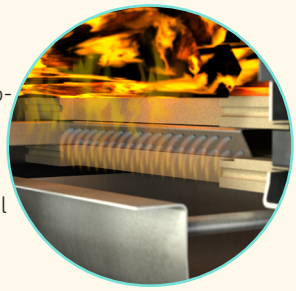
Effecta Lambda simplifies your wood firing substantially, because the boiler itself knows how combustion is running with the assistance of a lambda sensor in the flue gas channel. The air inlet dampers on the front of the boiler are equipped with motors to give the best combustion and highest efficiency at all times, it dosen't matter if the logs are large, small or different sizes.

Lambda Sensor

The lambda control gives the user an additional aid for comfortable and trouble free heating. The graphic control panel is intuitive to use, and you can view different temperatures, calculated to within a degree of efficiency. At Effecta we have been using Lambda sensors in our log boilers since 2005.

Combustion

Effecta Lambda burns with reversed, fan controlled combustion. Air is sucked into the combustion chamber through the motorized dampers, the wood is then dried and gasified. The gases which have been created pass through a gap in the internal ceramics where secondary combustion air is added. The gases ignite and second stage combustion in the afterburner chamber creates temperatures as high as 1100°C. This in turn heats water in the accumulator tank before leaving the boilers flue at about 180°C.



Always Use an Accumulator Tank

Our log boilers must always be used in association with accumulator tanks. We recommend that the tank should have at least 1000, 1500 or 3000 litre of capacity for use in conjunction with Lambda 25/35/60kW. The highly efficient combustion process and the large loading capacity means that you don't need to refill the boiler very often. The energy stored in the accumulator tank is ready to be used for heating and domestic hot water when required.

Pellets Combination

The Effecta Lambda can have a wood pellet burner retro-fitted as an option. The Effecta Lambda can be fuelled by a combination of wood pellets and logs either from the start or in the future!

LAMBDA CONTROLLED
Best combustion by electronic dampers

HIGH EFFICIENCY
With minimum environmental emissions

PELLETS
Possibility to combine with a pellet burner

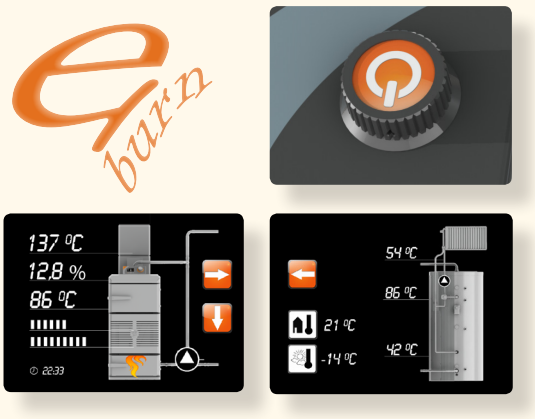
LARGE LOADING CAPACITY
105/145/195 litre, gives great comfort of use

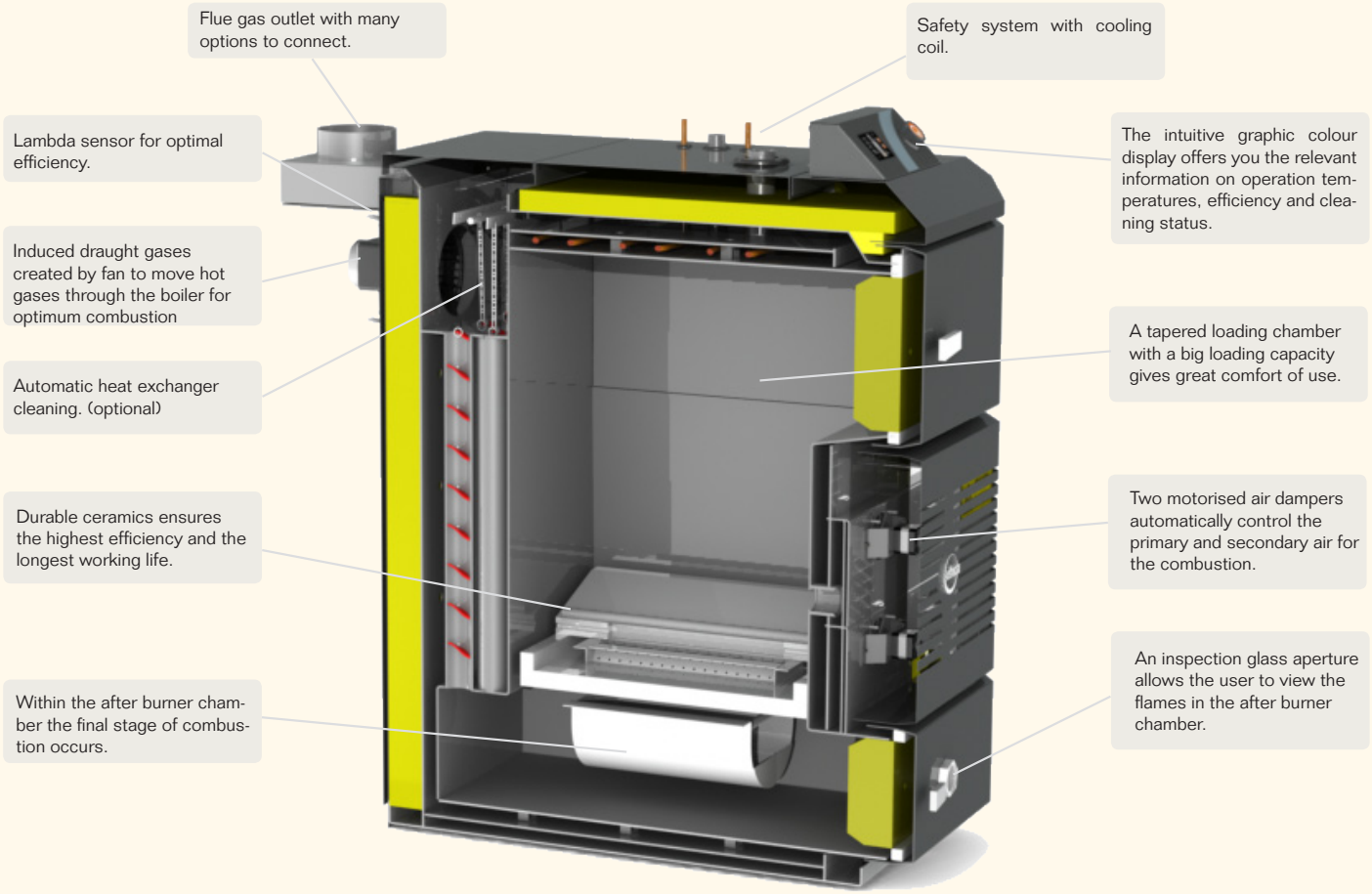
REVERSEBLE DOORS
Switch the doors to match the boiler room

AUTOMATIC CLEAING
Equip your boiler with our automatic cleaning system

INTUITIVE CONTROL

On the front of the Effecta Lambda there is an integrated graphic display. This gives you an instant overview of the boiler's current performance. It is easy to access the boiler's key features and fine tune them with the JogWheel system. The controller also enables individual control of different heating circuits. For example one radiator system and one underfloor heating system can be run simultaneously from different climate zones. The controls can be setup in a great variety of ways via a room sensor based on indoor temperature or an outdoor sensor to offer weather compensation based on the temperature outside. You may also use a room sensor in combination with weather compensation. Alternatively, a constant flow temperature can be sent to an underfloor heating manifold with an existing controller.

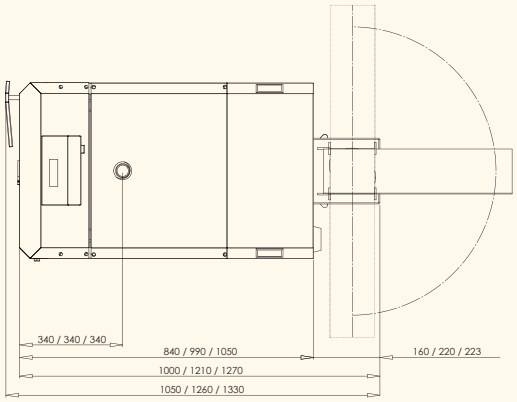


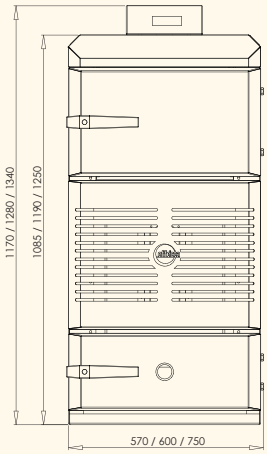


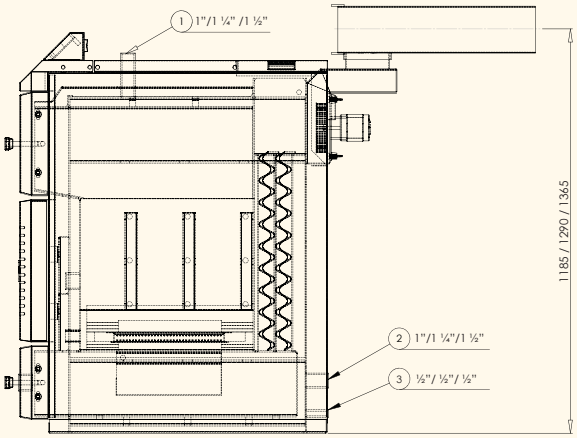
"We strive to make our products easy to use, highly efficient and, above all, environmentally sustainable"

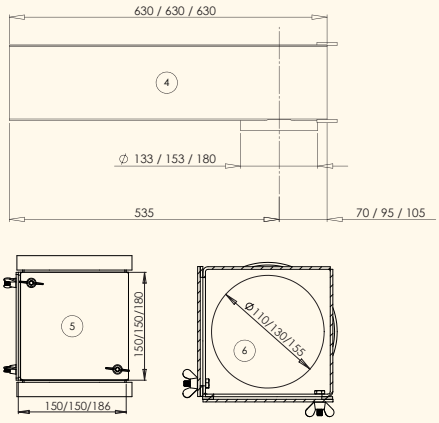
TECHNICAL SPEC.

Explanation of figures
1. Loading feed & expansion
2. Loading return
3. Drain
4. Smoke elbow (behind)
5. Smoke elbow (up)









Effecta Lambda

25/35/60 kW

Technical data	25 kW	35 kW	60 kW
Height	1170 mm	1280 mm	1340 mm
Width	570 mm	600 mm	750 mm
Depth incl. smoke outlet	1050 mm	1260 mm	1330 mm
Depth of grate	450 mm	550 mm	550 mm
Volume of loading compartment	100 liter	145 liter	195 liter
Floor to center smoke pipe	1200 mm	1290 mm	1365 mm
Dimension of elbow	150x150x630 mm	150x150x630 mm	150x180x630 mm
Smoke outlet	130 mm dia	140 mm dia	180 mm dia
Weight kg	350 kg	400 kg	540 kg
Water content	70 liters	90 liters	135 liters
Minimum area of flue	130 mm dia	150 mm dia	180 mm dia
Max log length	400 mm	500 mm	500 mm
Power	230–50 Hz	230–50 Hz	230–50 Hz
Connections to pipes	1 inch	1 1/4 inch	1 1/2 inch
Connection to drain	1/2 inch	1/2 inch	1/2 inch
Efficency	93%	92%	91%
Maximum working pressure	3 bar	3 bar	1,5 bar
Maximum working temperature	100°C	100°C	100°C

Effecta AB V:a Rågdalsvägen 21 434 99 Kungsbacka Sweden phone +46 300 223 20 fax: +46 300 223 95

info@effecta.se, www.effecta.se