

# STRATFORD

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### Disclaimer

Stratford stoves are supplied with comprehensive installation and operating instructions, these must be read and adhered to at all times. All installations must conform to the Building Regulations and should be carried out by a qualified installer. Your local Stratford dealer will be able to offer advice on this. Failure to comply with these installation instructions may lead to reduced performance and will invalidate the guarantee.

Every effort has been made to ensure that the information contained in this brochure is accurate as of June 2012. Arada Ltd reserves the right, whilst preserving the essential characteristics of our product range, to introduce at any time, modifications, changes of details or accessories.

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Some of the photographs in this brochure have been created for illustration purposes only and may not represent real live installations.

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Version 1.0



MADE IN BRITAIN



Designed by [aztecmedia.eu](http://aztecmedia.eu)



## CENTRAL HEATING BOILER STOVES

## Welcome

The Stratford Eco boiler HE (High Efficiency) range of boiler stoves are designed and built in the UK to the highest standard of craftsmanship, using the best materials and newest technologies available.

The Stratford design team have over 30 years of experience in boiler stove technology ensuring ultimate performance and years of trouble free use and enjoyment.

Stratford Eco boiler stoves are British designed and built by the UK leaders in boiler stove technology, this is why we are so confident in the reliability of our products and we offer a 3 year guarantee on the stove body when registered online at [www.stratfordboilerstoves.co.uk](http://www.stratfordboilerstoves.co.uk).

With one of the largest boiler stove ranges in the UK, you are sure to find the right model to heat your home.



 Eco boiler Inset



 Eco boiler Freestanding

## Choosing the right boiler stove

If you are buying a boiler stove for the first time, we offer the following advice to help you purchase the right boiler stove for your needs.

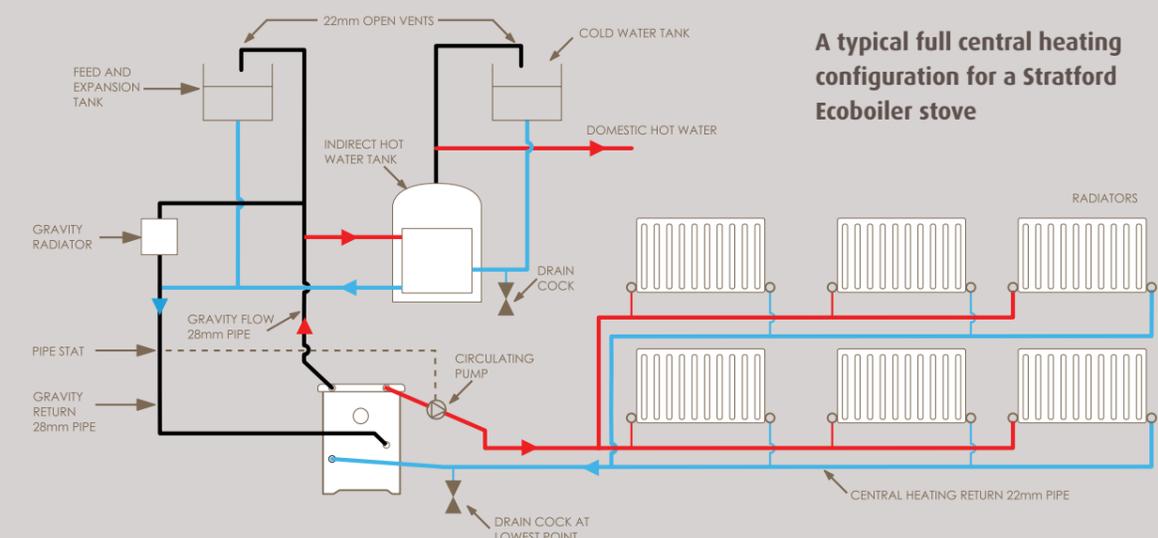
### As a rough guide we suggest

If you plan to heat domestic hot water, allow 2.5kW from the total output. The remainder can then be used for central heating. Allow as a guide, 1kW per average size radiator (typically 1000mm x 400mm single panel).

### For Example...

EB12HE burning solid fuel = 12kW to water, so  $12 - 2.5$  (domestic hot water) = 9.5kW. Therefore 9 – 10 single panel radiators could be heated.

- Unlike traditional boilers, there are a number of variables which can affect the heat output of boiler stoves, such as the installation, choice of fuel and refuelling cycle.
- You will also need to take into account the heat loss in the pipework, which is typically 10%.
- It is essential that you consult a qualified heating engineer to establish the output required to heat your home.



# Ecoboiler Features

Stratford Ecoboiler HE's provide the solution to minimising dependency on existing heat sources. These compact multi fuel boiler stoves are truly economical, reliable and sustainable, offering an alternative to more traditional central heating systems.

The entire range has been designed to incorporate features that contribute to high performance and efficiency. Through the use of Computer Fluid Dynamics (CFD), the internal flow path has been increased meaning that the water is in contact with the boiler for longer, thus providing hotter water, more quickly.

Thermostats are fitted as standard across the entire range of Stratford Ecoboilers, which are essential for safety to stop the boiler stove from over-heating. With the thermostatic control set correctly a consistent room temperature is maintained. This high level of control ensures higher fuel efficiency and reduced fuel consumption in comparison to other boiler stoves without a thermostatic control.

All Stratford Ecoboilers are fitted with a Flue Exhaust Diversion System (FEDS) which replicates the throat plate found in dry stoves. The FEDS is specifically designed to improve performance and efficiency of the Ecoboiler stove as well as being quick and easy to remove for sweeping the chimney.

The Ecoboiler HE provides not just superior performance, but with the large fire door glass and soft curved lines, it offers an attractive focal point for your living area. Regardless of whether you burn wood or solid fuel, these boilers have the technology to keep your home warm.

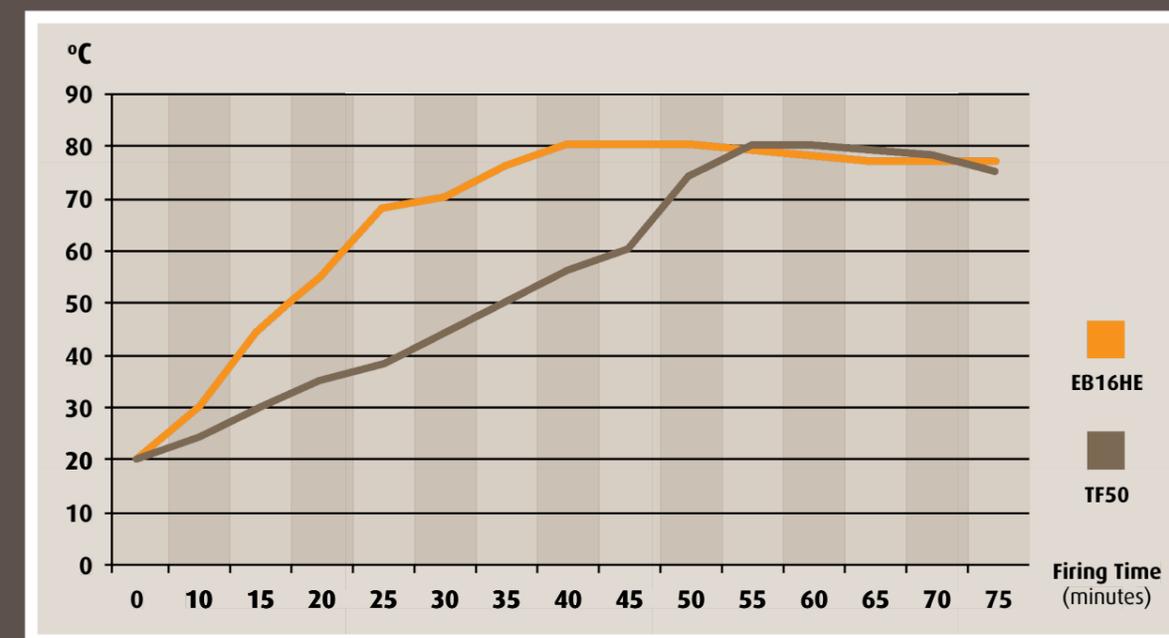
When installed with a thermal store, the Ecoboiler HE can be combined with any other source of heating, from traditional gas and oil systems to the 'greener' ground source heat pumps and solar panels. This combination is today's perfect partner for complete home heating with the Ecoboiler HE having the ability to heat up a large amount of water quickly, and the thermal store able to utilise this heat effectively around the home.



## Reasons to choose a Stratford boiler stove



- Thermostat fitted as standard for added safety and peace of mind.
- Produces 50% more heat to water than boiler stoves of similar sizes.
- 50% quicker to raise water to operating temperature.
- Long internal flow path – water is in contact with the boiler for longer to produce hotter water, more quickly.
- 'Easy Boost' – extra air inlet to be used during lighting and refuelling to get the fire up to temperature.
- Compact space saving design.
- 3 year guarantee on the stove body.



The graph above shows the comparison in temperature rise between the new Ecoboiler (EB16HE) and the previous Stratford model (TF50).

The new EB16HE is 50% quicker to raise the water to operating temperature.



## Ecoboiler Freestanding

The Ecoboiler range has been designed with high performance, efficiency and ease of use in mind. Providing a truly economical and reliable alternative to the more traditional central heating system, the Ecoboiler is a sustainable option as well as an attractive and stylish focal point for any living area.

### Features:

- Burns wood or solid fuel
- Large curved glass
- Airwash system for sparkling clean glass
- Discretely positioned thermostatic control fitted as standard
- Accessible water sensor for easy maintenance
- Large riddling grate
- Ash pan
- Self-levelling rear legs
- Top or rear flue fitting (excluding EB7HE, rear flue only)
- 3 year limited guarantee for all boilers registered online

### Optional Extras:

- Lattice Door Tracery
- Stand
- Floor fixing kit



## Ecoboiler Inset

The inset version of the Ecoboiler range provides a highly efficient boiler stove that fits perfectly into a standard British fireplace. This inset boiler offers an alternative to the more traditional central heating systems, whilst being an attractive and stylish focal point for any living area.

### Features:

- Burns wood or solid fuel
- Large curved glass
- Airwash system for sparkling clean glass
- Discretely positioned thermostatic control fitted as standard
- Accessible water sensor for easy maintenance
- Large riddling grate
- Ash pan
- Fits into a standard British fireplace opening
- 3 year limited guarantee for all boilers registered online

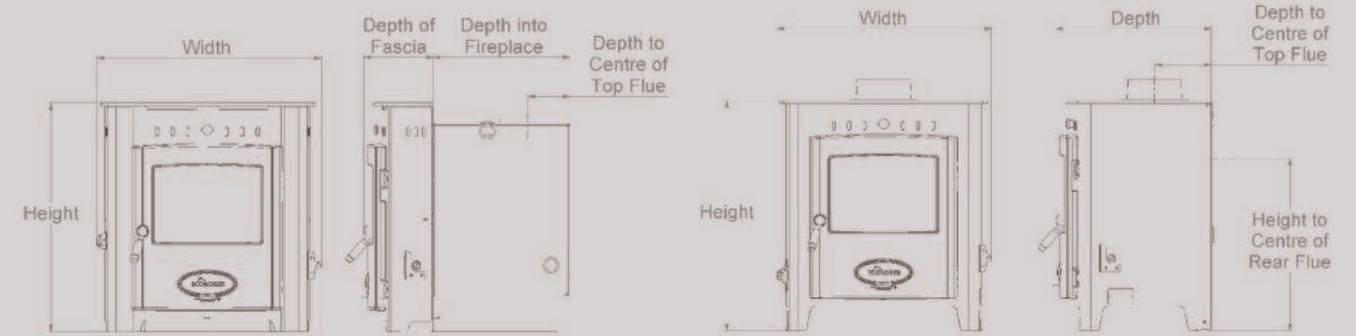
### Optional Extras:

- Lattice Door Tracery





# Technical Specifications



**Ecoboiler Inset**

**Ecoboiler Freestanding**

Description	Output to water - wood		Output to water - solid		Nominal output to room kW	Height		Width		Depth		Depth into Fireplace mm	Depth of front fascia mm	Height to centre of rear flue		Back of stove to centre of top flue		Flue diameter		Weight packed Kg	Ideal log length		Nett efficiency %	Added height when on stand	
	kW	BTU's	kW	BTU's		mm	inches	mm	inches	mm	inches			mm	inches	mm	inches	mm	inches		mm	inches		mm	inches
<b>Freestanding Boilers</b>																									
EB7HE	5	17,070	6	20,484	1-3	570	22½	466	18½	417	16½	-	-	431	17	-	-	101	4	109	280	11	71.1	125	5
EB9HE	7.5	25,605	9	30,726	1.5-4.5	570	22½	466	18½	417	16½	-	-	431	17	144	5½	101	4	112	280	11	71.8	125	5
EB12HE	9.5	32,433	12	40,968	2-6	603	23¾	533	21	412	16	-	-	442	17½	149	5¾	127	5	119	330	13	71.5	125	5
EB16HE	13	44,382	16	54,624	2.5-8	659	26	590	23¾	402	15¾	-	-	501	19¾	147	5¾	127	5	127	405	16	72.8	125	5
EB20HE	16	54,624	20	68,280	3-10	659	26	590	23¾	443	17½	-	-	498	19½	152	6	152	6	tba	405	16	72.8	125	5
EB25HE *1	20	68,280	25	85,350	3.5-12	725	28¾	678	26¾	498	19¾	-	-	565	22¾	152	6	152	6	tba	450	18	71.6	125	5
<b>Inset Boilers</b>																									
EB9iHE	7	23,898	9	30,726	1-4	590	23¾	548	21½	578	22¾	353	179	-	-	110	4¼	127	5	-	305	12	71.8	-	-
EB12iHE	9	30,726	12	40,968	1.5-5	590	23¾	548	21½	578	22¾	353	179	-	-	110	4¼	127	5	-	305	12	71.5	-	-

Notes: \*1 - Model available Autumn 2012

