

		MODEL CSI 85AAA	MODEL CSI 85AAA (T)
<b>CENTRAL HEATING</b>			
INPUT MAX-MIN NETT	Btu/h kW	77,000 - 39,500 22.6 - 11.6	77,000 - 39,500 22.6 - 11.6
OUTPUT MAX-MIN ADJUSTABLE	Btu kW	81,500 - 42,000 23.9 - 12.3	81,500 - 42,000 23.9 - 12.3
<b>DOMESTIC HOT WATER</b>			
OUTPUT MAX-MIN	Btu/h kW	99,000 - 42,000 29.0 - 12.3	99,000 - 42,000 29.0 - 12.3
<b>DOMESTIC HOT WATER</b>			
FLOW RATE RAISED 30°C Δ	l/min	13.8	13.8
5°C INLET TEMP 35°C Δ	l/min	11.8	11.8
EXPANSION VESSEL	l	8/1	8/1
MAX CENTRAL HEATING TEMPERATURE	°C	85°	85°
<b>CONNECTION</b>			
HEATING FLOW & RETURN COMPRESSION GAS CONNECTION	mm	22	22
DOMESTIC SUPPLY (COLD) COMPRESSION	mm	1/2 BSP	1/2 BSP
DOMESTIC SUPPLY (HOT) COPPER	mm	15	15
CONDENSING PIPE 3/4 PUSH FIT OVERFLOW PIPE	mm	15	15
FLUE SIZE	mm	100	100
ELECTRICAL MAINS SUPPLY		230v 50 hz FUSED 3 amp	230v 50 hz FUSED 3 amp
SEDBUK	Nat Gas LPG	BAND A BAND A	% %
			90.1 92.1
			90.1 92.1



# CONDENSING SYSTEM INNOVATION

REDUCE HEATING COSTS  
UP TO **40%**

HIGH DOMESTIC HOT WATER OUTPUT  
**3 YEAR GUARANTEE**  
SEDBUK BAND **A**



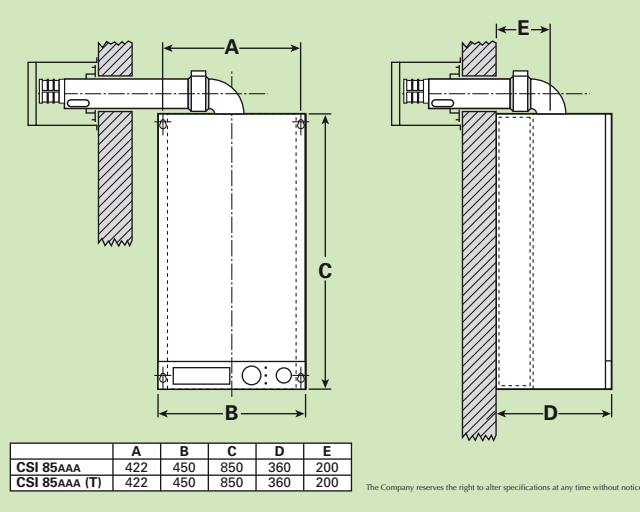
**CSI 85<sup>A</sup>**  
A HIGHLY ADVANCED CONDENSING BOILER

**STOP PRESS**  
WINNER OF THE INTERNATIONAL AWARD OF EXCELLENCE



CONDITIONS OF 3 YEAR WARRANTY - Boiler must be correctly installed. Boiler must be commissioned by a Corgi registered engineer. Boiler must be registered with Ravenheat upon purchase (so 3 year warranty can be activated, band A models only). Boiler must be correctly maintained and serviced by a qualified, competent person. For any other information please refer to user guide and installation instructions.

Ravenheat is a member of the Benchmark initiative and fully supports the aims of the programme. Benchmark has been introduced to improve the standards of installation and commissioning of central heating systems in the UK and to encourage the regular servicing of all central heating systems to ensure safety and efficiency.



## Technical after-sales service

In the unlikely event of an application failure Ravenheat has a technical helpline at its central headquarters in Leeds. Installers telephoning this line have the satisfaction of knowing they will receive advice and the knowledge that one of Ravenheat's own technicians is on hand should an on site visit be required.

Ravenheat is proud of its track record in producing extremely reliable combination boilers and its service response and commitment is immediate. Ravenheat only uses its own highly qualified technicians thereby ensuring the highest quality, and most reliable customer care.

The introduction of the Condensing System Innovation range opens a new chapter for this forward thinking company. Ravenheat also run their own unique comprehensive installer training programme working alongside the regulative bodies and trade associations.

The training programme is open to any Corgi registered installer just contact us on the number below.

This all adds up to Ravenheats uncompromising commitment to product quality, efficiency and service.

**Ravenheat The Caring Company**



Chartists Way, Morley, Leeds LS27 9ET. Telephone: +44 (0)113 252 7007. Fax: +44 (0)113 238 0229  
Website: [www.ravenheat.co.uk](http://www.ravenheat.co.uk) E-mail: [sales@ravenheat.co.uk](mailto:sales@ravenheat.co.uk)

# Ravenheat - make the right choice

The Ravenheat CSI 85 band A is the winner of the prestigious, Institute of Domestic Heating and Environmental Engineers Award of Excellence. Awarded for innovation in energy saving design, resulting in substantial savings in fuel costs, with a significant reduction in noxious global warming emissions. Other considerations which led to the achievement of this award were, detailed and accurate literature and the sound back up service we provide.

## • Save up to 40% on your heating bill

The new Ravenheat "Condensing System Innovation" CSI 85 band A Combi boiler will reduce the average heating bill by up to 40%. Designed for the millennium and beyond, it incorporates the latest developments in heating technology.

## • 96% efficient with advanced features

The new super high 96% efficient CSI is supplied with a whole range of advanced features including slim design, tamper proof controls, built-in diagnostics, easy installation and is simple to operate.

## • Low cost hot water

Low cost hot water, fuel efficiency and reduced green house emissions are just some of the benefits of installing a Ravenheat condensing combi boiler.

## How does it work?

Ravenheat's CSI 85 band A condensing combi boiler works far more efficiently than traditional boilers. Conventional units lose up to 30% of their heat through the flue. The CSI 85 band A recovers most of this heat by safely condensing heat from the fumes, thereby achieving efficiencies of 96%.

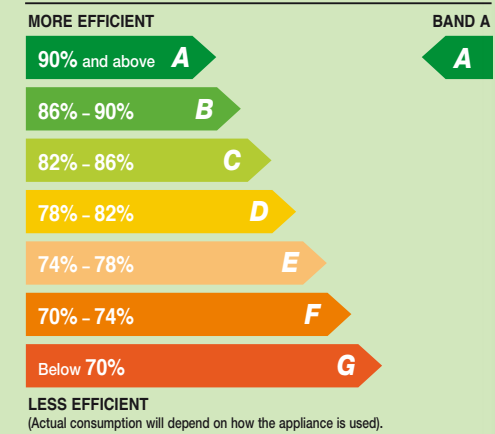
After the initial fitting of the heat exchanger and fan, the CSI 85 band A is equipped with Ravenheat's unique and patented, aluminium heat exchanger.

This self contained unit not only ensures that the maximum heat is extracted from the outgoing flue gasses but that the fumes are safely guided away.

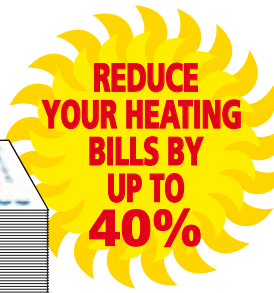
We are the only U.K. manufacturer currently fitting a second plate heat exchanger after the exhaust fan.

As a simple guide to efficiency a scheme has been created with SEDBUK efficiency bands assigned to boilers on an A for the most efficient to a G for the less efficient.

## SEDBUK RANGE



## The annual savings with a Ravenheat condensing boiler



Average, based on 3 bedroom semi-detached house

Up to 96% of gas used is converted into heat for hot water and heating.

## Quality Assurance

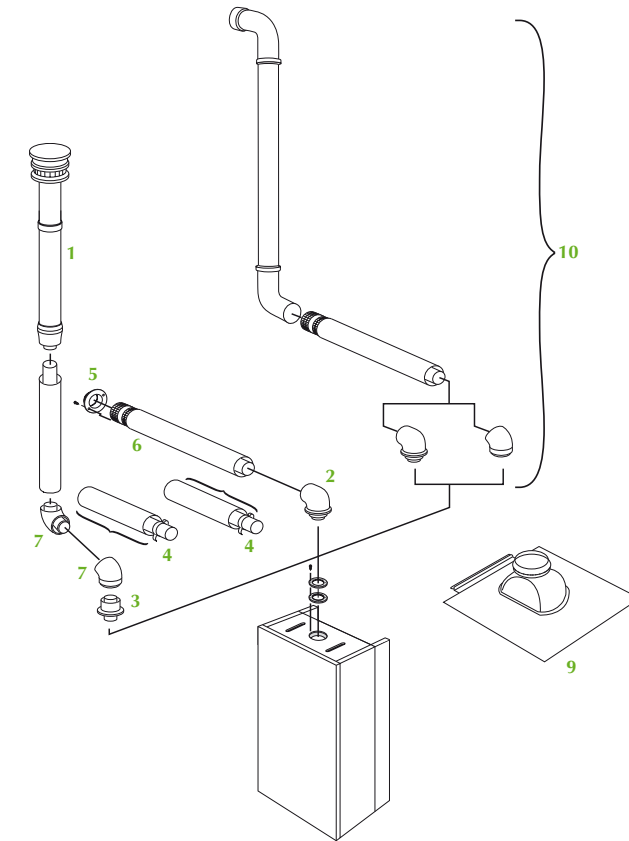
Ravenheat not only operate a quality ISO9002 system. Indeed we hold the highest accolade in design manufacturing excellence, being one of the few manufacturers to hold ISO 9001:2001 system, for quality of design, something very few boiler manufacturers have achieved. This quality system ensures you, the customer, of Ravenheat's commitment to excellence right across the product range. Each boiler is fully factory tested for fifteen minutes, to ensure it arrives on site 100% function tested.

## SUMMARY OF BENEFITS

- The Ravenheat CSI is believed to be the most fuel efficient Combi boiler of its type available
- Reduce heating bills by up to 40%
- 96% boiler efficiency, why burn fuel when you can save it
- Designed and manufactured in accordance with ISO 9001
- Optional heating grants
- Compact size for maximum space saving
- Neat, concealed colour coded valves with pipe connections clip distance from wall

## Flue options

The CSI 85 band A requires a standard 1 metre horizontal flue kit, or a vertical flue accessory kit which can be extended to 2.5 metres horizontal or 3.5 metres vertical. The above flue arrangements should fit most requirements however, alternative systems (twin or 125mm) are available for longer flue distances on request.



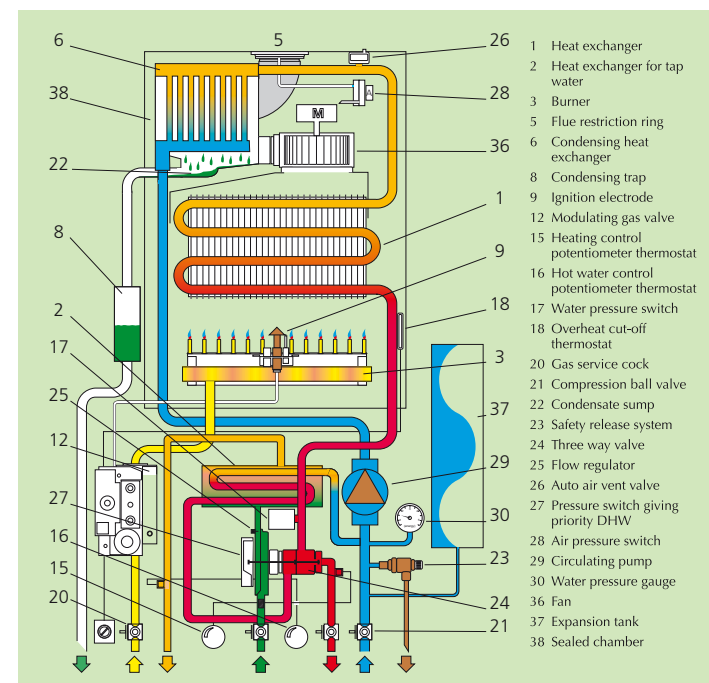
## 100mm CONCENTRIC FLUE SYSTEM

PART	DESCRIPTION	BARCODE	RAVENHEAT PART NO
1+3	Vertical flue terminal kit + straight flue header (vertical starter pack)	5060022141995 + 5060022141186	N5094130 + 5094110B
2	90 deg boiler bend	5060022141209	CSIFB
3	Straight flue header	5060022141186	5094110B
4	1000mm flue extension	5060022141339	NFE
5	External flue collar		Supplied with No 6
6	Horizontal flue kit complete with boiler bend	5060022141230	CSIFKB
7	45 deg in line bend	5060022141247	N45FBI
7	90 deg in line bend	5060022141315	N90FBI
9	Vertical lead flashing sleeve - pitched roof	5060022141063	0019TEG06005/0
10	Plume kit	5060022143142	1019TER11010/0



## Underside View

Easy to use control panel with built in diagnostics. The non-essential controls have been covered to make this appliance extremely user friendly and ensuring automatic control. This leaves one button operation should you wish to alter the timings.



Certification mark

