



**Johnson & Starley**

# Reno HE

High Efficiency  
Boiler Range



Reno HE30C



Reno HE25S



Reno HE25H

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[www.johnsonandstarley.co.uk](http://www.johnsonandstarley.co.uk)



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# A Warm Welcome

Johnson & Starley have been established since 1922 and have long been recognised as the UK's leading supplier of innovative Home Comfort Solutions to the UK domestic heating market.

The company helped to pioneer the first popular domestic central heating system in the post war period and since then its innovative and exciting approach to the market has resulted in a succession of the highest quality heating and ventilation solutions.

As a supplier to the installer, developer, private and social housing sectors, the company has earned wide recognition for the quality, reliability, ease of installation, quiet operation and long life of its products.

This approach has now resulted in the Reno HE High Efficiency boiler range - built to the same exacting standards of all the company's products and benefiting from the expertise of Johnson & Starley's unrivalled know-how and experience in Home Comfort Solutions.



**HIGH EFFICIENCY BOILERS**

**WARM AIR CENTRAL HEATING  
VENTILATION & HEAT RECOVERY**

**FILTERS & CLEANERS  
WATER HEATERS & CYLINDERS**

**HOME COMFORT SOLUTIONS**

# Reno HE

HIGH EFFICIENCY WALL HUNG BOILERS WITH **RENOWNED** QUALITY

The new **Reno HE** range of high efficiency boilers is aptly named. **Reno** stands for **Renowned** quality, performance, reliability and energy efficiency.

These boilers are **Sedbuk A** rated, easy to use and install and with a choice of intelligent models to suit the differing requirements of a wide social and private housing market. They are available in Natural Gas and LPG versions.

Models are available to provide a wide choice of installation options:

- **Reno HE 30 C**, 30 kW combination boiler
- **Reno HE 25 S**, 25 kW system boiler
- **Reno HE 25 H**, 25 kW heat only boiler



## Installer and Customer Led Design

In designing the **Reno HE** range, **Johnson & Starley** has listened carefully to installers and their customers, to provide exactly the features they want.

- Easy and versatile installation
- Reliability in performance
- Longevity and energy efficiency
- High quality components
- Environmentally friendly
- Compact design



## The Highest Quality Components

- Heat exchanger is made from stainless steel for high durability, corrosion resistance and low maintenance
- Two year guarantee and five years for the primary heat exchanger
- Digital PCB with no moving parts
- Stainless steel heat exchanger
- Hi-tech user friendly controls
- Quality pumps

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# Easy Installation and Reduced Maintenance

- Pressure gauge and fitting loop, allowing simple filling of the pipework
- Downloadable history ensures straight forward commissioning and future service work
- All **Reno HE** models are MMI compatible through a lap top connection to permit fully remote in-depth diagnostics
- Test mode to check minimum and maximum (flow) rates



## Forward Thinking

The **Reno HE** range includes many environmental and technical innovations:

- Twin spark and detect electrodes which provide **greater stability** and **longer life**
- Fully modulating burner, 7-25w, with wide turn down and thermister control for optimum comfort and **cost savings**
- A new energy efficient ultra quiet electronically smoothed fan
- Compatibility with underfloor heating systems
- Built in syphonic trap and U trap
- In-built frost protection
- Timed pump overrun
- Low NOx class 5

## Energy Efficient Performance

- Typically **saves 30%** on the running costs of traditional boilers
- Meets the standards of Part L of the Building Regulations
- Sedbuk Band A rated

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# Reno HE 30C Combination Boiler

## FEATURES INCLUDE

- Temperature stabilising system to prevent hot slugs of water
- Opentherm, OTC and cascade heating compatible. Allows the option of sophisticated control
- Pre-heat option, improving hot water response time
- Domestic hot water delivery - 12.5 Ltrs/min @ 35° C Rise - 14.2 Ltrs/min @ 30 ° C Rise
- Low pressure safety cut off with early warning indicator
- Intelligent pump & diverter valve with anti-seize protection to **reduce maintenance costs**
- Optional top entry flow and return
- Timer options - digital or analogue
- Fixing Jig for ease of installation



Reno HE30C



# Reno HE 25S System Boiler

## FEATURES INCLUDE

- Intelligent pump **anti-seize protection**
- Optional top entry flow and return
- Fixing Jig



Reno HE25S

# Reno HE 25H Heat Only Boiler

## FEATURES INCLUDE

- Intelligent pump **anti-seize** if wired from boiler
- Top entry flow and return
- Fixing bracket



Reno HE25H

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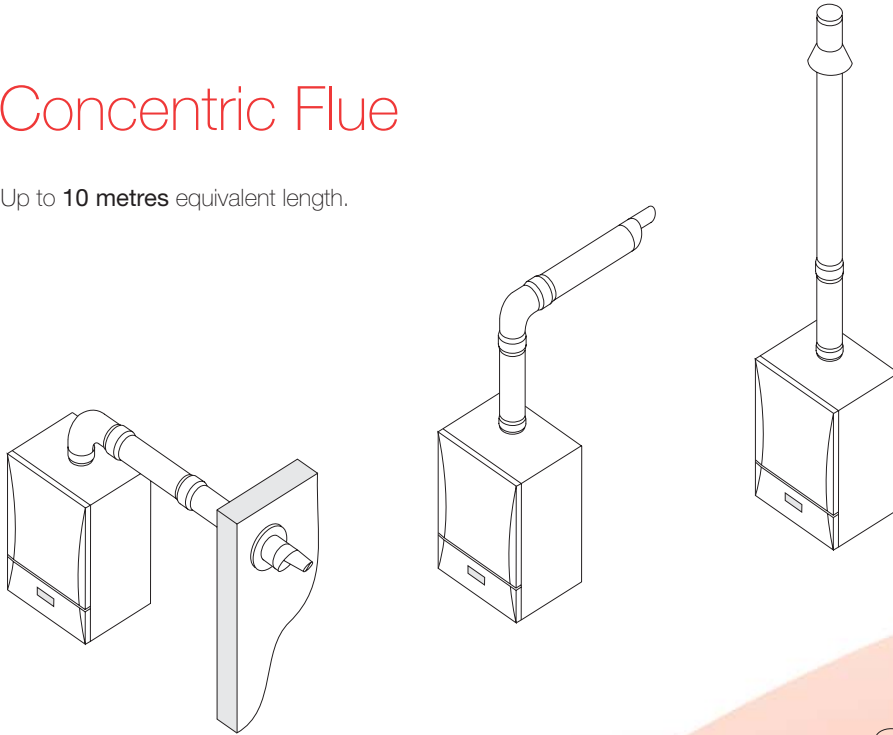
# Flue Options

For flexibility of installation, the **Reno HE** High Efficiency boiler range has two flueing options - **Concentric Flue** and **Twin Flue**

- The flue terminal itself can be fixed from the inside and the internal flue has built-in fall
- Low profile flue turret has an integral sampling point to both increase installation options and provide easier servicing.

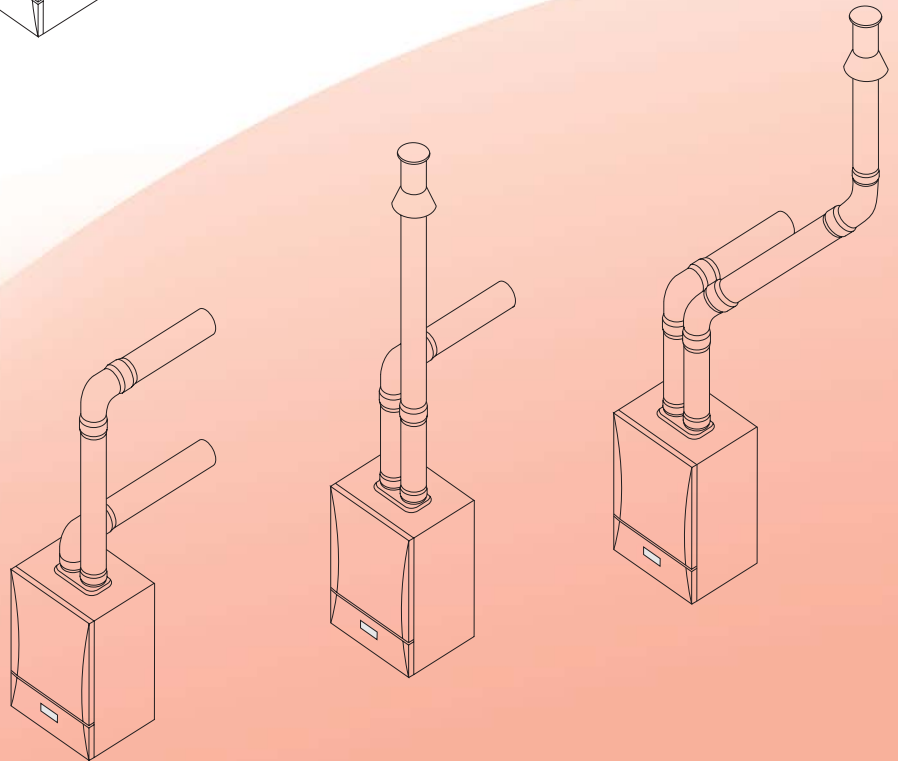
## Concentric Flue

Up to **10 metres** equivalent length.



## Twin Flue

Up to **30 metres** equivalent length.



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# Technical Specification

	Units	Reno 30 C	Reno 25 S	Reno 25 H
<b>Consumer Features</b>				
LPG Option		Yes	Yes	Yes
Height	mm	766	766	640
Width	mm	425	425	370
Depth	mm	300	300	300
Max Continuous DHW flow rate raised 35°C	Litres/min	12.3	N/A	N/A
Integral mechanical timer		Optional	N/A	N/A
Integral electronic timer		Optional	N/A	N/A
Remote 7 day programmable thermostat		Optional	Optional	Optional
Concealed user controls		Yes	Yes	Yes
User adjustable DHW temperature		Yes	N/A	N/A
User adjustable CH temperature		Yes	Yes	Yes
LCD status/fault display		Yes	Yes	No
LED status/fault display				
<b>Technical Features</b>				
Season Efficiency (Sedbuk) rating	%	91.1	91.1	91.1
Min installation clearances top	mm	150	150	150
Min installation clearance bottom	mm	200	200	200
Minimum clearance left/right	mm	5	5	5
Minimum clearance front operating	mm	5	5	5
Minimum clearance front servicing	mm	450	450	450
Maximum heat input DHW (net)	kW	30.6	N/A	N/A
Maximum heat input CH (net)	kW	25.5	25.5	25.5
Maximum heat output DHW (net)	kW	30	N/A	N/A
Maximum heat output CH (non condensing mode)	kW	25	25	25
Maximum gas rate	m <sup>3</sup> /hr	3.2	3.2	3.2
Minimum heat input DHW (net)	kW	7.0	N/A	N/A
Minimum heat input CH (net)	kW	7.0	7.0	7.0
Minimum gas rate	m <sup>3</sup> /hr	0.74	0.74	0.74
NOx class		5	5	5
Minimum DHW flow rate	litres/min	2.2	N/A	N/A
Minimum DHW operating pressure	bar	0.5	N/A	N/A
Maximum DHW inlet pressure	bar	10	N/A	N/A
Safety discharge pressure	bar	3	3	3
Automatic modulation of CH output		Yes	Yes	Yes
Automatic by pass to be fitted in system		Yes	Yes	Yes
Max capacity of CH system	litres	80	80	80
Filling loop		fitted	N/A	N/A
Pre-plumbing wall jig		Yes	Yes	N/A
Gas connection	mm	15	15	15
CH Flow and Return connections	mm	22	22	22
DHW inlet and outlet connections	mm	15	N/A	N/A
Pressure relief discharge tail	mm	15	15	15
Installation lift weight	kg	44.5	40	35
Electrical supply	V/Hz	230/50	230/50	230/50
Power consumption	watts	130	130	130
Electrical protection		IP40	IP40	IP40
Electronic ignition		Yes	Yes	Yes
Frost protection		Yes	Yes	Yes
Pump exercise		Yes	Yes	Yes
Pump overrun		Yes	Yes	Yes
Divertor valve exercise		Yes	N/A	N/A
Concentric flue diameter	mm	100	100	100
Standard concentric flue length	m	1	1	1
Maximum horizontal concentric equivalent flue length	m	10	10	10
Maximum vertical concentric equivalent flue height	m	10	10	10
Maximum twin flue horizontal equivalent length	m	30	30	30
Maximum twin flue vertical equivalent height	m	30	30	30
Optional Flow and Return pipe kit		Yes	Yes	N/A

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# Johnson & Starley

The **Reno HE** High Efficiency Wall Hung Condensing Boiler Range is just part of Johnson & Starley's total Home Comfort Solutions. These include warm air heaters, ventilation, heat recovery systems and ancillary products.

The company's commitment to the market includes full technical support, after-sales service and installer training programmes both on-site and at the company's new head office training facility.

## Company Details

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## Design

Telephone **01604 707026**

## Warm Air Upgrade Enquiry Service

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Designed and manufactured in Northampton for the UK market

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