

# Boilers

## Technical Specification

### General Data

	Units	Reno 30 C	Reno 25 S	Reno 25 H
<b>Consumer Features</b>				
LPG Option		Yes	Yes	Yes
Height	mm	765	765	647
Width	mm	425	425	370
Depth	mm	310	310	310
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		No	No	Yes
<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	N/A	N/A
Minimum heat input CH (net)	kW	7	7	7
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 using internal vessel	litres	80	80	N/A
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	145	145	95
Electrical protection		IP20	IP20	IP20
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

### Performance Data

		Nat Gas G20		LPG G31	
		Maximum	Minimum	Maximum	Minimum
Range rating (kW)		34.0	7.92	34.0	7.92
Offset (Pascal)		-3.0 (Minus three)			
Burner CO2 (%)	Case off	9.3 (+0.5)	8.4 (ref only)	10.2 (+0.5)	9.4 (ref only)
	Case on	9.5 (+0.5)	8.6 (ref only)	10.4 (+0.5)	9.6 (ref only)
Gas rate	m3/h	3.2	0.74	1.28	0.30

### Performance Data (Central Heating)

		Nat Gas G20		LPG G31		
		Maximum	Minimum	Maximum	Minimum	
CH Input Qm	Net	kW	25.5	7.14	26.06	7.29
	Gross	kW	28.3	7.92	28.3	7.92
Gas Consumption		m3/h	2.6	0.74	1.06	0.30
CH Output P	Non Condensing	kW	25.0	7.0	25.0	7.0
	Condensing	kW	27.85	7.76	27.85	7.76
SEASONAL EFFICIENCY (SEDBUK)				'A'		
NOX CLASSIFICATION				Class 5		

### Performance Data (Domestic Hot Water)

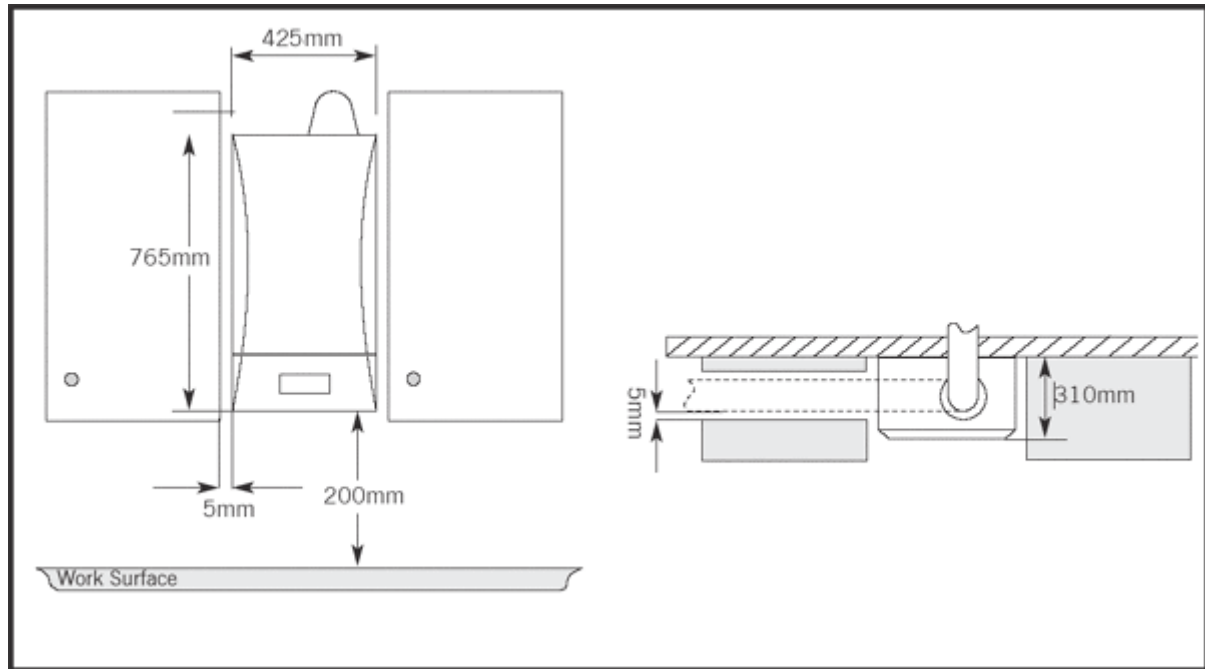
		Nat Gas G20		LPG G31		
		Maximum	Minimum	Maximum	Minimum	
DHW Input Q	Net	kW	30.6	7.14	31.3	7.29
	Gross	kW	34.0	7.92	34.0	7.92
Gas Consumption		m3/h	3.2	0.74	1.28	0.30

**Please Note:**

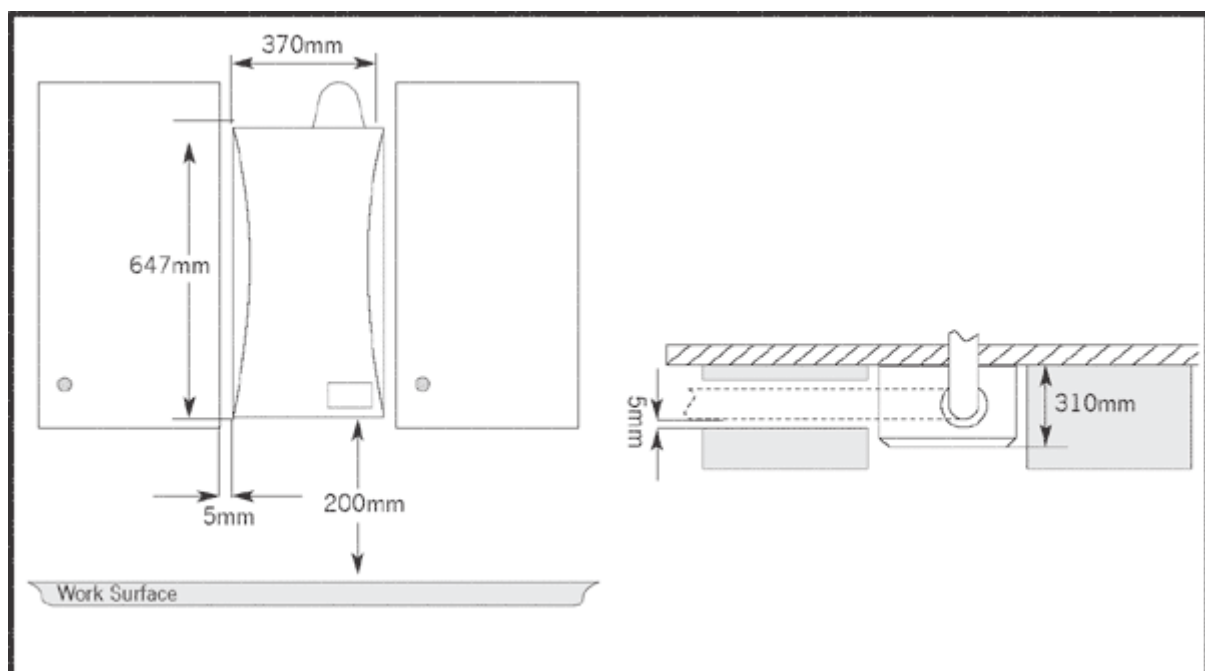
Natural Gas (G20) consumption is calculated using CV of 38.7 MJ/m<sup>3</sup> gross or 34.9 MJ/m<sup>3</sup> net.  
 LPG (G31) consumption is calculated using CV of 95.6 MJ/m<sup>3</sup> gross or 88.0 MJ/m<sup>3</sup> net.4.

**Dimensions and Clearances**

**Combination and System HE30C & HE25S**



**Heat Only HE25H**



It is recommended that where the appliance is located in a kitchen, or next to other combustible materials, a gap of 5mm be left on either side and where the flue run is through a void in kitchen units, a minimum gap of 5mm should be left. For the purpose of servicing, it is also recommended that the appliance be located with a minimum gap of 200mm above any surface