

Keston

BY IDEAL BOILERS

KESTON SYSTEM

30kW Output System Boiler

7 YEAR WARRANTY[†]

- 7 year warranty[†]
- Easy to see pressure gauge
- Large backlit display with user friendly controls
- Low lift weight
- Low component count maximising reliability
- Compact dimensions
- Twin flue up to 27m*
- 50mm muPVC (PVC-C) solvent weld flue allowing simple, cost effective installations**
- Weather compensation supplied as standard
- Inbuilt frost protection
- Fully modulating
- LPG conversion kit available



TWIN FLUE DESIGN

Providing the perfect solution for problematic and awkward installations



WEATHER COMPENSATOR

All models in the Keston range come complete with weather compensation as standard



BRITISH BUILT SINCE 2013

All Keston boilers are built in and designed for the British market

www.keston.co.uk |    

British Built Since 2013

† 7 year warranty when installed with a Keston 22mm System Filter and registered within 30 days of installation. 5 year parts & labour warranty as standard. 7 year warranty available until 31/12/20. Terms and conditions apply. * For the maximum total equivalent flue length, please refer to the installation manual. ** The only systems approved for this application are: Marley muPVC (PVC-C) Solvent Weld Waste System (50mm), Polypipe System 2000 muPVC (PVC-C) Solvent Weld Waste System (50mm), Polypipe Terrain Solvent Weld System (50mm) and Wavin Osma PVC-C Solvent Weld System (50mm). Please use the recommended Solvent Weld Cement for each system. ** For the maximum total equivalent flue length, please refer to the installation manual.

SPECIFICATION DATA

CENTRAL HEATING S30

CH Output @ 70°C	Max	kW	30.3
	Min	kW	6.1
CH Output @ 40°C	Max	kW	31.0
	Min	kW	6.4
CH Input	Nett CV Max	kW	30.4
	Nett CV Min	kW	6.1
CH Input	Gross CV Max	kW	33.7
	Gross CV Min	kW	6.7
CH Gas Consumption	Max	m ³ /h	3.135
	Min	m ³ /h	0.622

OTHERS S30

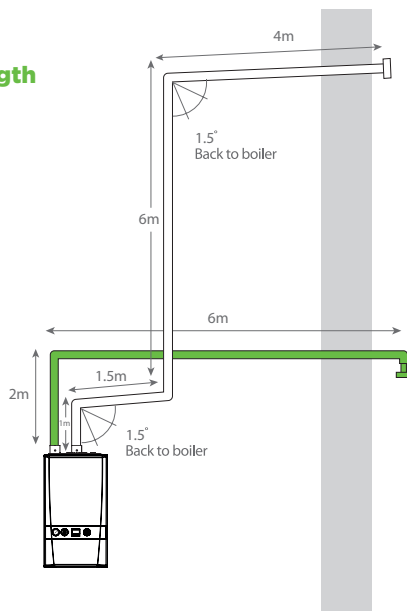
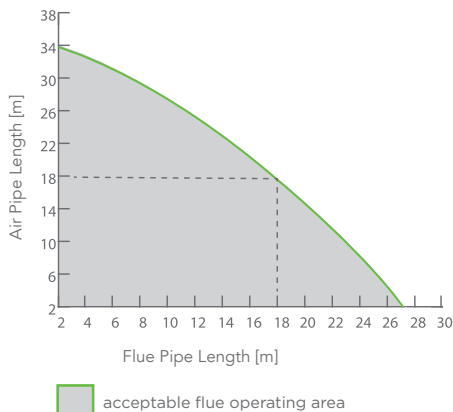
Seasonal Efficiency	SEDBUK 2005	%	91.1
	SEDBUK 2009	%	89.6
Seasonal Space Heating Efficiency Class			A
NOx Classification			Class 5

GENERAL DATA S30

Max Horizontal Flue Length	m	27 Flue / 2 Air
Max Horizontal Flue Length (Parallel)	m	18 Flue / 18 Air
Flue Terminal Diameter	mm	50
Gas Supply		2H - G20 - 20mbar
Gas Supply Connection		15mm copper compression
Injector Size	mm	4.65
Flow Connection (CH)		22mm copper compression
Return Connection (CH)		22mm copper compression
Average Flue Temp - Mass Flow Rate		69°C - 13g/s
CO₂ Content (±0.7) (Max CH)	%	9.3
CO₂ Content (±0.7) (Min CH)	%	8.8
Max Working Pressure (Sealed Systems)	bar (psi)	2.5 (36.3)
Electrical Supply		230V - 50Hz
Power Consumption	W	100
Fuse Rating		External 3A / Internal: T4A HRC L250V
Water Content	l (gal)	1.2 (0.26)
Weight (Packed)	kg	31.6
Maximum Installation Weight	kg	26.2

EXAMPLE FLUE INSTALLATION

Keston System S30 - Flue & Air Pipe Length

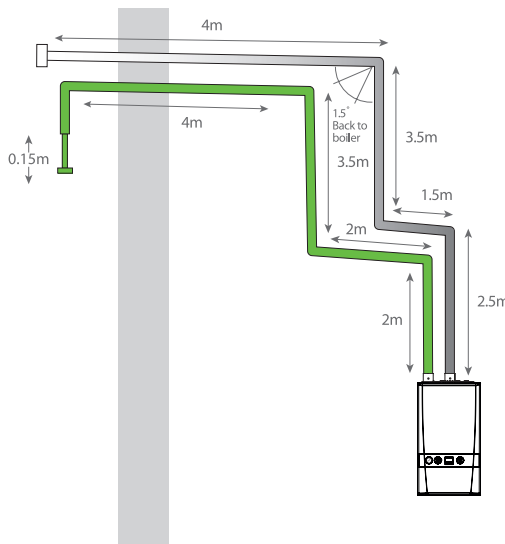


C53 HORIZONTAL

Calculations

Flue
 Elbows 3 x 1m = 3m
 Straights 4+6+1.5+1 = 12.5m
 Total = 15.5m

Air
 Elbows 2 x 1m = 2m
 Straights 6+2+0.1+1 = 8.1m
 Total = 10.1m



C13 HORIZONTAL

Calculations

Flue
 Elbows 3 x 1m = 3m
 Straights 4+3.5+1.5+2.5 = 11.5m
 Total = 14.5m

Air
 Elbows 4 x 1m = 4m
 Straights 2+2+3.5+4+0.15 = 11.65m
 Total = 15.65m

DIMENSIONS

KESTON SYSTEM

Height 700mm

Width 395mm

Depth 278mm

The following minimum clearances must be maintained for operation and servicing.†

Front of boiler - 450mm†

Sides of boiler - 2.5mm

Above boiler - 350mm, with 30mm above the flue

Below boiler - 100mm†

‡ Or equivalent length.

† Can be reduced to 5mm for cupboard fit, 450mm required for servicing.