

# Club HE 18

## SEALED SYSTEM CONDENSING BOILER



- Suitable for sealed CH system and DHW (when using a separate hot water cylinder)
- Supplied with standard fitted pump, expansion vessel and pressure relief valve
- CH output: 18kW (61,500 Btu/h)
- Anti-plume kit options
- Long flueing lengths: 5m (H) 12m (V)
- Robust stainless steel heat exchanger
- Easily accessible plumbing and wiring
- Additional 90° bend copper 'pipe tails' supplied with CLUB HE to make plumbing connections significantly easier
- Improved wall fixing bracket with additional 'side guides' and integral 'bubble vessel' makes boiler location and installation faster and more accurate



 **halstead**

simplicity in heating

## CLUB HE 18 FLUE KITS

CLUB HE 18 CAN BE INSTALLED IN A WIDE RANGE OF DOMESTIC APPLICATIONS. IN ADDITION TO THE COMMON HORIZONTAL AND VERTICAL FLUE SYSTEMS FAMILIAR TO MOST, WE HAVE ALSO DEVELOPED A RANGE OF FLUE SYSTEMS DESIGNED TO OVERCOME THE POSSIBLE NUISANCE CAUSED BY FLUE PLUMBING. THESE KITS ARE DETAILED BELOW.

**KIT A PLUS** **TELESCOPIC HORIZONTAL FLUE KIT 956120**  
Standard flue length 430-615mm  
Maximum flue length 5m

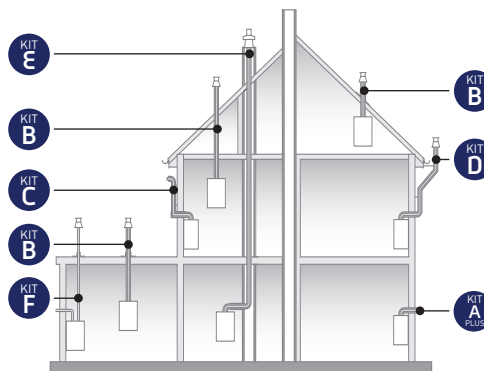
**KIT B** **STANDARD VERTICAL FLUE 956081**  
Standard flue length 600mm  
Maximum flue length 12m

**KIT C** **RAISED EXTERNAL FLUE OUTLET 956084**  
Standard flue length 1100mm  
Maximum horizontal 5m and 1m vertical  
Maximum vertical 8.5m and 1m horizontal

**KIT D** **EXTERNAL VERTICAL FLUE 956085**  
Standard flue length 2.3m  
Maximum flue length 6.5m

**KIT E** **CHIMNEY FLUE LINER 956082**  
Flexi tube available in lengths of:  
10m 956110  
20m 956111  
30m 956112  
Maximum flue length 30m

**KIT F** **SPLIT PIPE VERTICAL FLUE OUTLET 956080**  
Standard flue length 2.7m  
Maximum flue length 30m

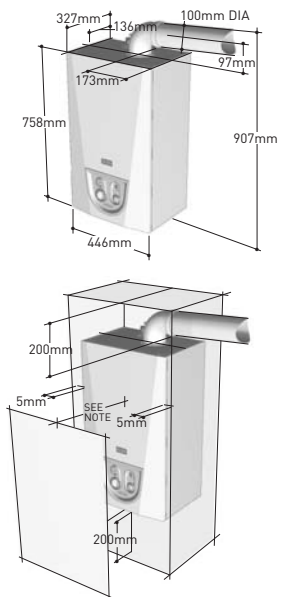


For flueing accessories, see price list or product and flue guide.



**PLUME DIVERTER KIT 956103**  
For use with Kit A Plus only.

## OVERALL DIMENSIONS AND MINIMUM CLEARANCES



NOTE: 5mm for normal operation.  
450mm for installation and servicing.

## CLUB HE 18 TECHNICAL SPECIFICATIONS

### PERFORMANCE DATA

APPLIANCE	CLUB HE 18		
MODE	Rate		
Central Heating Output (non-condensing) (80 - 60°C)	Max	kW (Btu/h)	18.0 (61,500)
	Min	kW (Btu/h)	5.4 (18,400)
Central Heating Output (condensing) (50 - 30°C)	Max	kW (Btu/h)	19.7 (67,300)
Central Heating Input Max Rate	Net	kW (Btu/h)	18.4 (62,800)
	Gross	kW (Btu/h)	20.4 (69,700)
Central Heating Input Min Rate	Net	kW (Btu/h)	5.6 (19,100)
	Gross	kW (Btu/h)	6.2 (21,200)
Central Heating Gas Rate (after 10 min operation - hot)	Max	m <sup>3</sup> /h (ft <sup>3</sup> /h)	1.95 (68.9)
Seasonal Efficiency	%		90.1
Seasonal Efficiency (SEDBUK)	Band		"A"
NOx Classification	Class		"5"

### GENERAL

APPLIANCE	CLUB HE 18	
Total weight (full)	kg	44.1
Total weight (empty)	kg	42.0
Max lift weight	kg	41.0
Total water capacity	ltr	1.8
Integral expansion vessel capacity	ltr	8
Maximum heating system water content using fitted expansion vessel, @ 0.75 bar	ltr	84
Electrical supply		230V 50Hz Fuse at 3A
Internal fuse		T4H 4A 250V
Maximum power consumption	W	106
IP Rating		IP20
Flue gas temperature at 50/30	°C	53
CO <sub>2</sub> value max rate	%	9.2 ± 0.3 case on 9.0 ± 0.2 case off
CO <sub>2</sub> value min rate ref only	%	8.6 +/- 0.3
CO/CO <sub>2</sub> ratio max rate		0.0011 + 0.0014
Flue products mass flow rate	g/s	14.7
Gas Valve Offset @ min rate	Pa	-5
Min Central Heating System Pressure	Bar	0.5
Max Central Heating System Pressure	Bar	3.0
Max Central Heating Flow Temperature	°C	80
Min Central Heating Flow Temperature	°C	30

### WARRANTY CONDITIONS

#### 2 YEAR PARTS AND LABOUR WARRANTY ON ALL COMPONENTS

**Subject to:** 1. Registration of installation. 2. Satisfactory completion of Benchmark logbook. 3. Service after 12 months by Corgi registered engineers.

### CONNECTIONS

Gas	15 mm compression
CH flow	22 mm compression
CH return	22 mm compression
Pressure relief valve outlet	15 mm compression
Condensate Drain	21.5 - 22 mm plastic overflow pipe

British Gas Service Listed  
Gas Council Numbers

CLUB HE 18 G.C. No. 41-260-20



0086  
EC 87/90/44

Halstead Boilers Limited, 20/22 First Avenue, Bluebridge Industrial Estate, Halstead, Essex CO9 2EX

For all telephone enquiries call: 0844 371 1111

Email: sales@halsteadboilers.co.uk or service@halsteadboilers.co.uk or training@halsteadboilers.co.uk

Website: www.halsteadboilers.co.uk



Halstead Boilers is continuously improving its products and may therefore change specifications without prior notice.  
The statutory rights of the consumer are not affected.

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