

# iHeat

CONTEMPORARY DESIGN BOILERS

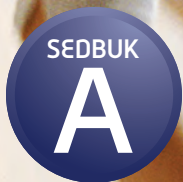


 **halstead** **iHeat**

new thinking in boiler design

# iHeat Combi

BAND A – 25C, 30C & 35C



## OVERVIEW

- SEDBUK 'A' RATED
- HIGH EFFICIENCY
- PRE-HEAT FUNCTION
- FLEXIBLE FLUEING
- LOW NOX CLASS 5
- ALUMINIUM HEAT EXCHANGER
- SELF DIAGNOSTIC
- FROST PROTECTION
- 100% PRE-SET & TESTED
- OPTIONAL CLOCK/PROGRAMMABLE ROOM THERMOSTATS (RFTH1 AND RFTHM)
- 10 YEAR WARRANTY

## USER FEATURES

- SEDBUK A rated
- Low-NO<sub>x</sub> - Class-5 performance.
- Up to 35% more efficient than standard efficiency conventional boilers, reducing running costs and helping to preserve the environment.
- Built-in frost thermostat protects the appliance from damage during periods of cold weather.
- Hot water pre-heat provides instant hot water at any time, saving time and energy.
- Extremely high modulation ratio, increasing efficiency and component longevity.
- Optional clock/programmer, enabling direct control over the central heating timings.
- Intuitive control panel ensures easy operation and adjustment of the appliance.
- Low pressure loss reduces noise and increases pump performance.
- Built-in thermoregulation to increase further fuel efficiency. Attach the outside weather compensation control to maximise energy efficiency.
- Anti-cycling control prevents energy wasteful on/off cycling and reduces wear and tear.

## INSTALLER FEATURES

- Patented aluminium heat exchanger providing excellent thermal transfer and anti-corrosion properties.
- Automatic bypass and easy-fit condense connection.
- Factory set and tested for easy commissioning, no need to check burner pressure or carry out a combustion analysis check on installation.
- Automatic modulation eliminates the need to range rate the boiler.
- Self-start programming protects the pump and motorised valve from sticking during long periods of inactivity.
- Versatile horizontal or vertical flueing options enables the boiler to be sited almost anywhere in the home.
- Can be converted to LPG with LPG Kit.
- Pump anti-block eliminates the risk of pump seizure during periods of inactivity.

# iHeat Combi

BAND B – 24C & 29C



## OVERVIEW

- SEDBUK 'B' RATED
- 5 YEAR WARRANTY
- SELF DIAGNOSTIC
- FROST PROTECTION
- FLEXIBLE FLUEING  
100% PRE-SET & TESTED
- OPTIONAL CLOCK/  
PROGRAMMABLE ROOM  
THERMOSTATS  
(RFTH1 AND RFTHM)
- EASY INSTALLATION

## USER FEATURES

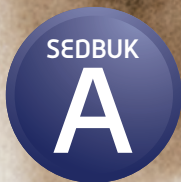
- SEDBUK B rated
- Low-NOx - Class-2 performance.
- Factory set for simple commissioning. Only minimal adjustments are required after installation and automatic modulation eliminates the need to range rate the boiler.
- Anti-cycling control prevents energy wasteful on/off cycling and reduces wear and tear.
- Built-in frost thermostat protects the appliance from damage during periods of cold weather.
- Versatile flueing options enable the boiler to be sited almost anywhere in the home.
- Stylish design, blends easily into any setting.
- Plated heat exchanger reduces the risk of scaling and comes with 5-year anti-scale warranty.
- Optional clock/programmer, enabling direct control over the central heating timings.

## INSTALLER FEATURES

- Gas pressure set by gas valve, therefore no flue Gas Analyser required.
- Designed for easy installation. Standard pipework layout enables trouble-free replacement of older models.
- Installation time saving features: Built-in condense trap with safety device and push-fit connection, factory fitted fly-lead and no ventilation is required.
- Combustion analysis test point for easy servicing and maintenance.
- Can be converted to LPG with LPG kit.
- Pump anti-block eliminates the risk of pump seizure during periods of inactivity.

# iHeat System

MODEL 25S



## OVERVIEW

- SEDBUK 'A' RATED
- HIGH EFFICIENCY
- FLEXIBLE FLUEING
- LOW NOX CLASS 5
- ALUMINIUM HEAT EXCHANGER
- SELF DIAGNOSTIC
- FROST PROTECTION
- 100% PRE-SET & TESTED
- OPTIONAL CLOCK/ PROGRAMMABLE ROOM THERMOSTATS (RFTH1 AND RFTHM)
- 10 YEAR WARRANTY

## USER FEATURES

- SEDBUK A rated
- Low-NOx - Class-5 performance.
- Reduces running costs by up to 35% more than a conventional boiler, helping to safeguard the environment.
- Low pressure loss reduces noise and increases pump performance.
- Extremely high modulation ratio, increasing efficiency and component longevity.
- Anti-cycling control prevents energy wasteful on/off cycling and reduces wear and tear.
- Built-in frost thermostat protects the appliance from damage during periods of cold weather.
- Optional Clock / programmer, enabling direct control over the central heating timings.
- Intuitive control panel ensures easy operation and adjustment of the appliance.
- Built-in thermoregulation to increase further fuel efficiency.

## INSTALLER FEATURES

- Patented aluminium heat exchanger providing excellent thermal transfer and anti-corrosion properties.
- Factory set and tested for easy commissioning, no need to check burner pressure or carry out a combustion analysis check on installation.
- Automatic modulation eliminates the need to range rate the boiler
- Self-start programming protects the pump from sticking during long periods of inactivity.
- Versatile horizontal or vertical flueing options enables the boiler to be sited almost anywhere in the home.
- Can be converted to LPG with LPG Kit.
- Pump anti-block eliminates the risk of pump seizure during periods of inactivity.

# iHeat Open Vent

MODEL 20 OV



## OVERVIEW

- SEDBUK 'A' RATED
- HIGH EFFICIENCY
- FLEXIBLE FLUEING
- LOW NOX CLASS 5
- ALUMINIUM HEAT EXCHANGER
- SELF DIAGNOSTIC
- FROST PROTECTION
- 100% PRE-SET & TESTED
- OPTIONAL CLOCK/ PROGRAMMABLE ROOM THERMOSTATS (RFTH1 AND RFTHM)
- 10 YEAR WARRANTY

## USER FEATURES

- SEDBUK A rated
- Low-NOx - Class-5 performance.
- Reduces running costs by up to 35% more than a conventional boiler, helping to safeguard the environment.
- Anti-cycling control prevents energy wasteful on/off cycling and reduces wear and tear.
- Built-in frost thermostat protects the appliance from damage during periods of cold weather.\*  
\*Pump must be wired directly to boiler to ensure this operates correctly.
- Cleanly styled, Italian designed casing blends easily into any setting.

## INSTALLER FEATURES

- Factory set and tested for easy commissioning, no need to check burner pressure or carry out a combustion analysis check.
- Automatic modulation eliminates the need to range rate the boiler.
- Top & bottom pipe connections for flexibility and easy install.
- Requires only 1-metre minimum static head.
- Pump anti-block eliminates the risk of pump seizure during periods of inactivity.
- Purge cycle feature. Boiler will automatically run a two minute purge cycle when the boiler is switched on for the first time before the burner ignites to expel any air that may be present in the system.
- Patented aluminium heat exchanger providing excellent thermal transfer and anti-corrosion properties.
- Versatile flueing options enable the boiler to be sited almost anywhere in the home.
- Optional Clock / programmer, enabling direct control over the central heating timings.
- Intuitive control panel ensures easy operation and adjustment of the appliance.
- Built-in thermoregulation to increase further fuel efficiency.
- Low pressure loss reduces noise and increases pump performance.
- Can be converted to LPG with LPG Kit.

SEDBUK

A

10  
YEAR  
Warranty

# IHEAT TECHNICAL SPECIFICATIONS

	iHeat Combi Band B		iHeat Combi Band A			iHeat System	iHeat OV	
	24C	29C	25C	30C	35C	25S	20 OV	
<b>Central heating</b>								
Heat input (kW)	25	29	20	25	30	25	20	
Minimum heat output@ 80/60 °C (kW)	14.25	14.28	5.9	6.9	6.84	6	5	
Maximum heat output@ 80/60 °C (kW)	24.35	28.3	19.6	24.45	29.31	24.53	19.68	
Maximum heat output@ 50/30 °C (kW)	25.9	29.93	21	26.3	31.83	26.3	21.16	
Minimum heat output@ 50/30 °C (kW)	14.85	14.75	6.4	7.47	7.41	6.37	5.3	
Minimum working pressure (bar)	0.5	0.5	0.5	0.5	0.5	0.5	0.1	
Maximum working pressure (bar)	3	3	2.7	2.7	2.7	2.7	3	
Minimum flow rate (litres/Min)	5.9	5.9	5.9	5.9	5.9	5.9	14.2	
<b>Domestic hot water</b>								
Maximum output (kW)	25	29	25	30	34.6	N/A	N/A	
Minimum output (kW)	9.5	9.9	9.5	9.9	9.9	N/A	N/A	
Flow rate at 35 °C rise (l/min)	10.2	11.9	10.3	12.3	14.2	N/A	N/A	
Maximum inlet pressure (bar)	6	6	6	6	6	N/A	N/A	
Minimum inlet working pressure (bar)	0.15	0.15	0.15	0.15	0.15	N/A	N/A	
Minimum flow rate (l/min)	2	2	2	2	2	N/A	N/A	
<b>Expansion vessel</b>								
Capacity (litres)	8	10	8	10	10	8	N/A	
Maximum system volume (litres)	76	76	76	91	91	76	N/A	
Pre-charge pressure (bar)	1	1	1	1	1	1	N/A	
<b>Dimensions (mm)</b>								
Height	780	780	780	780	780	780	740	
Width	400	450	400	450	450	400	400	
Depth	332	332	358	358	358	358	340	
Dry weight (Kg)	40	44	40	43	45	37	28	
<b>Clearances (mm)</b>								
Sides	12	12	12	12	12	12	12	
Top - Above flue elbow	25	25	25	25	25	25	25	
Bottom	150	150	150	150	150	150	150	
Front	600	600	600	600	600	600	600	
<b>Connections (mm)</b>								
Flow & return	22	22	22	22	22	28	22	
Hot & cold water connections	15	15	15	15	15	N/A	N/A	
Gas	15	15	15	15	15	15	15	
Pressure relief safety valve	15	15	15	15	15	15	N/A	
Condense	21	21	21	21	21	21	21	
<b>Electrical</b>								
Voltage	230V/~50Hz	230V/~50Hz	230V/~50Hz	230V/~50Hz	230V/~50Hz	230V/~50Hz	230V/~50Hz	
Power consumption (Watts)	153	153	150	150	150	150	75	
Internal fuse (Amps)	2	2	3.15A T for PCB. 3.15A F for connections block					
External fuse (Amps)	3	3	3	3	3	3	3	
<b>Flue details (concentric)</b>								
Maximum horizontal flue length (60/100mm) - Metres	4.5	4	7.8	7.8	7.8	7.8	7.8	
Maximum vertical flue length	5.5	5	8.8	8.8	8.8	8.8	8.8	
Maximum horizontal flue length (80/125mm) - Metres	11	9	20	20	20	20	20	
Maximum vertical flue length (80/125mm) - Metres	12	10	25	25	25	25	25	
<b>Flue details (twin pipe 80mm + 80mm)</b>								
Maximum horizontal flue length - metres	20m + 20m	12m + 12m	40m + 40m	35m + 35m	35m + 35m	40m + 40m	40m + 40m	
Maximum vertical flue length - metres	20m + 20 m	12m + 12m	40m + 40m	35m + 35m	35m + 35m	40m + 40m	40m + 40m	
<b>Efficiency</b>								
SEDBUK % and Band	86.9%=B	86.7%=B	90.3% =A	90.2% =A	90.1%=A	90.4% =A	90.5% = A	
<b>Combustion Emissions</b>								
NO x Class	2	2	5	5	5	5	5	
CO2 @ Maximum output	6.75%	7.05%	9%	9%	9%	9%	9%	

## IHEAT FLUE KITS

IHEAT BOILERS 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 PLUMING. THESE KITS ARE DETAILED BELOW.

**KIT A PLUS**  
**TELESCOPIC HORIZONTAL FLUE KIT 956120**  
 Standard flue length 430-615mm  
 Maximum flue length 5m  
**PLUME DIVERTER KIT 956103**  
 For use with Kit A Plus only.

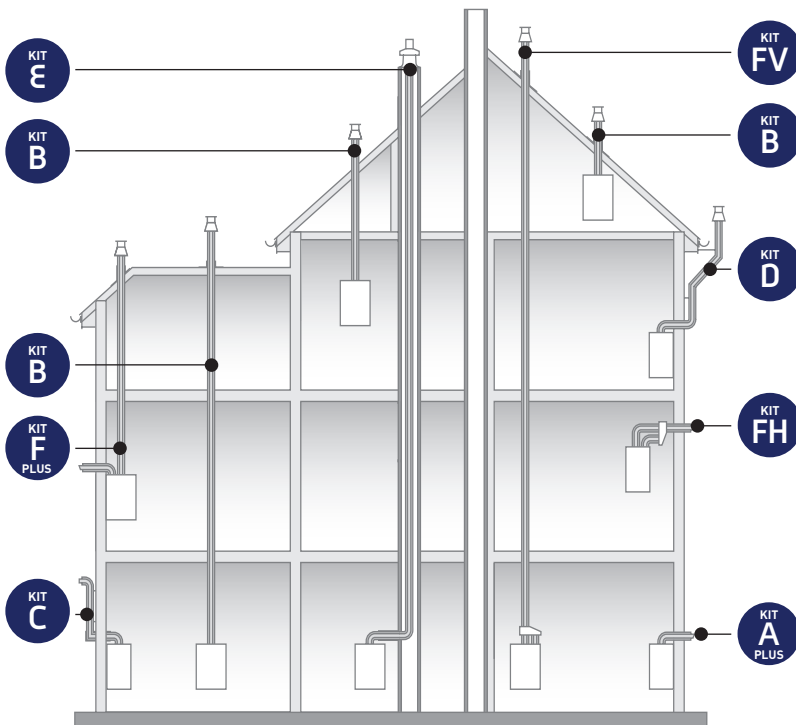
**KIT C**  
**RAISED EXTERNAL FLUE OUTLET 956084**  
 Standard flue length 1100mm  
 Maximum horizontal 5m and 1m vertical  
 Maximum vertical 8.5m and 1m horizontal

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

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

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

**KIT F PLUS**  
**SPLIT PIPE VERTICAL FLUE OUTLET\* 988698**  
 Standard flue length 2m  
 Maximum flue length:  
 iHeat 25C, 25S, 20 OV – 80M  
 iHeat 30C and 35C – 70M  
 iHeat Band B 24C – 40M  
 iHeat Band B 29C – 24M



**KIT FV**  
**TWIN TO CONCENTRIC VERTICAL\* 988699**  
 Minimum flue length 620mm  
 Maximum flue length:  
 iHeat 25C, 25S, 20 OV – 80M  
 iHeat 30C and 35C – 70M  
 iHeat Band B 24C – 40M  
 iHeat Band B 29C – 24M

**KIT FH**  
**TWIN TO CONCENTRIC HORIZONTAL\* 988700**  
 Minimum flue length 100mm  
 Standard flue length 850mm  
 Maximum flue length:  
 iHeat 25C, 25S, 20 OV – 80M  
 iHeat 30C and 35C – 70M  
 iHeat Band B 24C – 40M  
 iHeat Band B 29C – 24M

\*Compatible with iHeat boiler range only

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

## SPARES

For a complete spares listing with prices, please consult our Spare Parts Listing Catalogue.

**Carriage** £10.50 per flue system or free if delivered with boiler/s.

**All prices subject to VAT**

## WARRANTY TERMS & CONDITIONS

1. Registration document must be completed within 30 days of installation. Failure to return within 30 days will invalidate your warranty. Registration if effected by returning the enclosed registration card to the commercial centre of Halstead Glen Dimplex at 5 Spartan Close, Tachbrook Park, Leamington Spa, CV34 6RR. Proof of postage should be obtained.
2. The Benchmark document must be completed by installer/householder at the time of installation and must be presented to our engineer at subsequent visits.
3. The Halstead Glen Dimplex boiler must be serviced annually, at the householders expenses in accordance with manufacturer's instructions, and this service must be booked through IHeat by calling 0844 371 1111
4. The service must be carried out by a Halstead approved central heating engineer. Any work carried out by a non-Halstead approved engineer will invalidate this warranty.
5. Appropriate system cleaning (e.g. power flush) and the correct use of additives must be carried out at the time of installation. Failure to cleanse the system will invalidate this warranty. Evidence of cleansing should be presented to our engineer upon request.
6. This warranty applies only to manufacturing problems with the boiler; damage caused through misuse, incorrect operation, foreign bodies in the heating system, system faults and failures are not covered.
7. This warranty applies only if the boiler is installed and used in accordance with the manufacturer's instructions, in normal domestic applications.
8. Halstead Glen Dimplex will contact the consumer to arrange for annual service in line with the warranty terms and conditions. Failure to take up this offer will invalidate the warranty term.
9. Failure to meet any of the above Terms and Conditions will invalidate this warranty.



0086  
EC 87/BQ/44  
BAND B COMBI  
CE0694 - 51BQ3030  
OV  
CE0694 - 0694BS1376  
BAND A COMBI & SYSTEM  
CE0694 - 0694BR1207

British Gas Service Listed  
Gas Council Numbers

47-260-16	41-260-24
47-260-17	41-260-25
47-260-18	47-260-19
	47-260-20



Halstead Glen Dimplex, Stoney Lane, Prescot, Merseyside L35 2XW

For all telephone enquiries call: 0844 371 1111

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Website: [www.hgdheating.co.uk](http://www.hgdheating.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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FOR ALL TELEPHONE ENQUIRIES CALL: 0844 371 1111