

# Certificate

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**Certificate No: 54980/1**

**Issue No: 1**

**Date of issue: 30 March 2011**

This is to certify that UKAS Notified Body

## **BSRIA Limited**

Identification Number 0480

have type-tested the product(s) described below according to the requirements contained in Schedule 2 of the Boiler (Efficiency) Regulations 1993 for a condensing boiler and have satisfied themselves that the product meets the relevant provisions of the regulations.

<b>Manufacturer</b>	HRM Boilers Limited
<b>Address</b>	Haverscroft Industrial Estate Attleborough Norfolk NR17 1YE
<b>Product name</b>	Wallstar 24/18 CA condensing combi
<b>Test date</b>	28-29 March 2011
<b>Expiry date</b>	28 March 2014
<b>Test engineer</b>	M Lightfoot
<b>Quality approved</b>	DR ARNOLD TEEKARAM Head of Testing and Certification

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**Test results**

Rated output	24kW (81,900 Btu/h)
Declared CO <sub>2</sub> setting	12% to 13.0 %
Net efficiency at rated output	97.9 %
Mean boiler water temperature	70.2°C
Measured output	24.3 kW (82,900 Btu/h)
Test CO <sub>2</sub> setting	12.9 %
Net efficiency at 30% part-load	102.1 %
Mean boiler water temperature	40.6°C
Test report reference number	54980/1
Test Standard	BS EN 304:1992 and BS EN 15034:2006
Test fuel	Class C2 kerosene (to BS 2869:1998)

Test model	Wallstar 24/18 CA condensing combi		
Burner type	Bentone BF1 CA		
Control box	Bentone DK0 970 Mod 21		
Motor	Bentone EB 95C42/2 110w		
Fuel pump	Danfoss BFP 11 L3		
Nozzle	Danfoss 0.65 x 80°EH		
Control thermostat	TR 96803 44/07 90°C		
Limit thermostat	STB 98103 02/04 100°C		
Instructions	HRM Handbook & Service Log      Code LI044 Issue No. 1		
Drawings	SHT4002-A3	Heat exchanger, outer rear	10-Feb-07
	SHT4004-A3	Heat exchanger, inner front	10-Feb-07
	SHT4100-A3	Baffle assy (upper)	25-May-09
	SHT4104-A3	Baffle assy (lower)	27-Nov-08
	SHT4101-A3	Baffle outer (upper)	27-Nov-08
	SHT4167-A3	Tube, flue chamber	02-Nov-08

Note: Any modifications made to the above boiler specifications may invalidate this certificate