

# Certificate

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**Certificate No:** 52339/1

**Issue No:** 1

**Date of issue:** 3rd Sept 2008

This is to certify that Notified Body

**BSRIA Limited**

Identification Number 0480

have type-tested the product described below 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.

Products covered by this range certificate:

<b>Manufacturer</b>	HRM Boilers Limited
<b>Address</b>	Haverscroft Industrial Estate Attleborough Norfolk NR17 1YE
<b>Product</b>	Wallstar 24/18C Combi
<b>Date of tests</b>	19 to 20 August 2008
<b>Expiry date</b>	3 September 2011
<b>Test engineer</b>	M. Lightfoot
<b>Report</b>	52339/1
<b>Quality approved</b>	ANDREW FREETH Test and Certification Manager

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**Test results**

Rated outputs	24kW (81,900 Btu)
Declared CO <sub>2</sub> level	13.0 %
Net efficiency at rated output	95.4 %
Mean boiler water temperature	70.2°C
Measured output	24.3 kW
Measured CO <sub>2</sub> level	13.6 %
Net efficiency at 30% part-load	96.2 %
Mean boiler water temperature	40.1°C

Test report reference numbers	52339/1
Test standard:	BS EN 304:1992
Test fuel:	Class C2 Kerosene (to BS 2869:1998)

Test models	Wallstar 24/18C combi
Burner type	EOGB Type X400
Burner head	80mm long
Control box	Satronic DKO 970 Mod 2.1
Fan motor	Type E90-110-104-090-01
Fuel pump	BFP 11 L3
Nozzle	0.75 x 80°EH
Control thermostats	TR96803 37/06 90° and TR96898 06/02 90°
Limit thermostat	TSLM 3242N (100-6)°C
Instructions	Wallstar User and Service Manual Code LI033 Issue No: 2 02/06
Drawings	<p><i>Heat exchanger front outer:</i> dwg No. CHT4001-A date: 10 Feb 2007  <i>Heat exchanger inner front:</i> dwg No. CHT4004-A date: 10 Feb 2007  <i>Heat exchanger inner rear:</i> dwg No. CHT4003-A date: 10 Feb 2007  Dimensions: 556 (h) x 432 (w) x 374 (d)</p> <p><i>Flue Chamber Assembly:</i> dwg No. CHT4055-A date: 24 July 2008</p>

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