

Certificate

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Certificate No: 51981/2

Issue No: 1

Date of issue: 05 February 2009

**EC type examination certificate for product tested against
The Boiler (Efficiency) Regulations 1993
under EC Directive 92/42/EEC for hot water boilers**

This is to certify that

BSRIA Limited

(Notified Body Identification Number 0480)

have type-tested the product described below to the requirements contained in Schedule 2 and Schedule 7 of the Boiler (Efficiency) Regulations 1993 for a standard gas boiler and have satisfied themselves that the product meets the relevant provisions of the regulations.

Manufacturer

Kober Limited
Vaduri Branch
Vaduri no 28
Alexandru cel Bun Commune
Neamt district
Postal code 617511
ROMANIA

Product (models included)

MOTAN MKDENS 36 C13SV36MEF condensing Boiler

Date of test

10 December 2008 to 21 January 2009

Expiry date

10 December 2011

Test engineer

M Lightfoot

Quality Approved

ANDREW FREETH
Testing and Certification

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Test results for 36 kW boiler with FIME blower/ventilator

Rated outputs	36 kW (122,800 Btu/h)
Declared CO ₂ setting	8.9 ± 0.3%
Net efficiency at rated output	99.2%
Mean boiler water temperature	70.1°C
Net efficiency at 30% part-load	106.1%
Mean boiler water temperature	33.8°C
Measured CH output	33.6 kW
Measured CO ₂	9.3%
Measured NO _x	4.4 ppm
Measured NO _x	11.7mg/kWh
Measured CO	56ppm
Test report reference number	51981/1
Test standard	BS EN 483:2000
Test fuel	G20 certified bottled (methane) gas

Test models	MKDens 36 C13SPV36MEF
Burner / Heat Exchanger	GIANNONI Fr monotherm Classic 5+2 36kW code 840390390 p/n 022052.02
Burner	WORGAS Bruciatori Srl cylindrical burner
Fan / Ventilator	FIME PX128-2079
Igniteur	VZ 2-10 HDC ANSTROSS
Flue kit	Coaxial flue air condensing kit by GROPPALLI
Pump	GRUNDFOSS UPS15-60 CESA02
Gas valve	HONEYWELL VK4115VE1021
Thermostats	KSD301 XGH ELECTRIC
Thermistors	BRAHMA STO6
Instructions	Technical manual (for Installation usage and maintenance)
Main drawings	RO-200-0 C13-36kW boiler details 05.02.2008 F039808MB FIME Gruppo ventilator PX128/2079 19.05.2008

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