

Certificate

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Certificate No: 51981/1

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 MOTAN MKDENS 25 C14SV25MEF 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 Boiler with EBM PAPST blower/ventilator

Rated outputs	25 kW (85,000 Btu/h)	36 kW (122,800 Btu/h)
Declared CO ₂ setting	8.9 ± 0.3%	8.9 ± 0.3%
Net efficiency at rated output	96.7%	99.0%
Mean boiler water temperature	70.4°C	70.5°C
Net efficiency at 30% part-load	106.7%	106.5%
Mean boiler water temperature	34.0°C	33.3°C
Measured CH output	23.6 kW	31.8 kW
Measured CO ₂	8.8%	9.1%
Measured NO _x	10.9 ppm	7.3 ppm
Measured NO _x	31mg/kWh	19mg/kWh
Measured CO	67ppm	85ppm
Test report reference number	51981/1	
Test standard	BS EN 483:2000	
Test fuel	G20 certified bottled (methane) gas	

Test models	MKDens 25 C14SPV25MEF	MKDens 36 C13SPV36MEF
Burner / Heat Exchanger	GIANNONI Fr monotherm Classic 4+1 25kW code 840390390 p/n 026187.01	GIANNONI Fr monotherm Classic 5+2 36kW code 840390390 p/n 022052.02
Burner	WORGAS Bruciatori Srl cylindrical burner	
Fan / Ventilator	EBM PAPST NRG118	EBM PAPST RG128
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
	RO-357-0 C14-25kW boiler details	05.02.2008
	55667 11170.79/210 EBM PAPST radial blower RG128/1300-3612 27.07.2006	

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