



TEST REPORT

STIHL MS 240

TEST CERTIFICATE HOLDER:

Manufacturer and applicant:

Andreas Stihl AG & Co KG

Badstrasse 115

D-71336 Waiblingen

www: stihl.de

www.stihl.de





Test Results and Evaluations

Chainsaw Stihl MS 240

Firma Andreas Stihl AG & Co KG; 71336 Waiblingen, Badstrasse 115

Test item	Test results				Evaluation
Function	Chain saw in the power class up to 3 kW, for semi-professional use				
Engine power					
Power	Engine speed	Torque	Spec. fuel consumption		NE
max. 2.0 kW	9600 min ⁻¹	2.0 Nm	48 kW/l		
1.8 kW	7500 min ⁻¹	max. 2.2 Nm	38 kW/l		
Fuel consumption					
	max. power		max. torque		
absolute / specific	1.3 l/h	465 g/kWh	1.2 l/h	493 g/kWh	○
Exhaust emission					
	complies with level I of the standard 2002/88 EG				○
Chain lubrication					
Oil consumption	at 5000 min ⁻¹		at 9000 min ⁻¹		
	4 ml/min		8 ml/min		○
Noise					
	idling	full load	racing		
Sound pressure level	83 dB(A)	102 dB(A)	103 dB(A)		○
Equivalent sound pressure level 101 dB(A) (operation modes idling/ full load/ racing with equal duration of exposure)					
Sound power level 114 dB(A) according to Directive 2000/14/EG					
Vibration					
	idling	full load	racing		
front handle	3.8 m/s ²	3.7 m/s ²	2.7 m/s ²		○
rear handle	4.2 m/s ²	5.9 m/s ²	2.2 m/s ²		
Equivalent vibration total value					
front/rear 3.4 / 4.4 m/s ² (operation modes idling/ full load/ racing with equal duration of exposure)					

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Chain brake				
Hand guard activation	activation force	aver. braking time	max. braking time	NE
	34 N	0.06 s	0.06 s	
Inertia activation	horizontal acceleration	vertical acceleration		NE
	200 m/s ²	590 m/s ²		
Kickback				
Cutting attachment 0,325"		Chain stop angle		NE
Half chisel tooth		< 26 °		
Power to weight ratio				
	With cutting attachment	Without cutting attachment		O
	2.8 kg/kW	2.4 kg/kW		
Operability / handling				
Control elements	Easy to reach and use			+
	Fuel tank cap removable without tools			+
	Chain oil flow not adjustable.			O
Primer	not provided			O
Chain assembly	chain sprocket easy accessible.			O
Chain tensioning	laterally in drive sprocket cover			O
Maintenance				
Air filter and spark plug cover - Housing	removable without tools.			+
	tools required, 1 screw.			O
Air filter cleaning	Tools required			O
soiling	Increased, frequent cleaning necessary			-
Reliability				
	No defects during test			+
Operating manual				
	clear, well illustrated			+
Operator safety				
EG-type examination test	(DPLF) Test certificate No. K-EG-2001-3388			
GS-Test	(DPLF) Test certificate No. K-GS-2001-3389			

Rating: ++ / + / o / - / --./.(o = Standard / NE= no evaluation, complies with tolerance value)

Description and Technical Data

Motor

- Air-cooled single-cylinder two-stroke engine;
- Engine displacement 41.6 cm³; bore 42 mm; stroke 30 mm;
- Fuel: minimum octane number 90 ROZ; mixed lubrication;
2-T- special fuel with "KWF-TEST" or regular lead-free petrol;
- Spark plug Bosch WSR 6F or NGK BPMR 7A;
- Idling speed: 2800 min⁻¹; max. speed: 13.300 min⁻¹;
- membrane carburettor

Cutting attachment

- Clutch drum with external chain sprocket;
- Available guide bars lengths from 32 to 45 cm;
- pitch 0,325", gauge 1.6 mm

Main dimensions and weights

		MS 240
Length,	incl. cutting attachment 32 cm	720 mm
	engine unit without spiked bumper	410 mm
Width,	engine unit	170 mm
	incl. handle	245 mm
Height,	engine unit	190 mm
	with front hand guard	250 mm
Stump height,	chain sprocket cover	15 mm
	handle	35 mm
Tank capacity,	fuel	420 ml
	chain oil	260 ml
Weight,	incl. cutting attachment 32 cm	5.6 kg
	without cutting attachment	4.8 kg

Test

Test carried out

Kuratorium für Waldarbeit und Forsttechnik, Groß-Umstadt

DLG-Testzentrum Technik & Betriebsmittel, Groß-Umstadt

Field test

Landesanstalt für Ökologie, Bodenordnung und Forsten, Arnsberg

Revierförsterei Groß-Umstadt

Authors

Dietmar Ruppert, KWF, Groß-Umstadt

Harald Krämer, DLG, Groß-Umstadt

FPA/DLG-Test Committee

„Geräte und Werkzeuge“ (“Equipment and tools”) with 16 members

Chairman: Alois Zollner

FPA/DLG- approval:

May 2006

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DLG-Test Report: 5593

According to the test regulations, the applicant is entitled to display the test mark on machines of this type and to use the certification for advertising purposes.

DLG-Testzentrum Technik & Betriebsmittel Groß-Umstadt

Max-Eyth-Weg 1

D-64823 Groß-Umstadt

Telephone: 069/24788-(0) 638

Fax: 069/24788-690

E-mail: H.Kraemer@dlg.org

Internet: www://dlg-test.de

Kuratorium für Waldarbeit und Forsttechnik e.V. (KWF)

Forsttechnischer Prüfungsausschuss (FPA)

Spremlinger Straße 1

D-64823 Groß-Umstadt

Telephone: 06078/785-0

Fax: 06078/785 50

E-mail: Dietmar.Ruppert@kwf-online.de

Internet: www.kwf-online.de

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