



TEST REPORT

STIHL MS 260 chain saw

with 32 cm cutting length

OWNER OF THE TEST CERTIFICATE:

Manufacturer and applicant:

Andreas Stihl AG & Co KG

Badstrasse 115

D-71336 Waiblingen

www.stihl.de





Test Results and Evaluation

Chain saw STIHL MS 260 with 32 cm cutting length
Andreas Stihl AG & Badstraße 115; D-71336 Waiblingen

Test item	Test results				Evaluation
Function	Chain saw in the power class up to 3 kW; for professional use				
Engine power	Power	Engine speed	Torque	Spec. fuel consumption	NE
	max. 2.6 kW	9600 min ⁻¹	2.6 Nm	53.1 kW/l	
	2.2 kW	6800 min ⁻¹	max. 3.1 Nm	44.9 kW/l	
Fuel consumption		max. power	max. torque		
	absolute / specific	1.5 l/h	1.2 l/h	1,2 l/h	412 g/kWh +
Chain lubrication	Oil consumption	at 5000 min ⁻¹		at 9000 min ⁻¹	
	min / max	3 ml/min	6 ml/min	6 ml/min	12 ml/min o
Sound pressure level	at ear of the operator	idling speed	full load speed	full speed	o
		85 dB(A)	100 dB(A)	102 dB(A)	
Equivalent sound pressure level, total value 99 dB(A) (average of idle and loaded levels)					
Acoustic power 111 dB(A) according to the standard 2000/14/EG					
Vibrations		idling speed	full load speed	full speed	
	front handle	3.9 m/s ²	2.6 m/s ²	4.1 m/s ²	+
	rear handle	3.9 m/s ²	4.9 m/s ²	3.4 m/s ²	
Chain brake	Handguard activation	Actuating force	aver. braking time	max. braking time	NE
		41 N	0.051 s	0.059 s	
	Inertia activation	horizontal acceleration		vertical acceleration	NE
		200 m/s ²		590 m/s ²	
Kickback	Cutting equipment 32 cm, 0,325" half chisel tooth	Kickback angle with brake	Chain stop angle		NE
		29°	22°		
Mass					

Weight per unit power	With cutting equipment	Without cutting equipment	++
	2.2 kg/kW	1.8 kg/kW	
Operability / handling			
Control elements	Easy to reach and use		+
Primer	Decompression valve		+
Chain assembly	easy, drive sprocket easily accessible		o
Chain tensioning	simple, on the side		o
Wartung			
Air filter and spark plug cover, housing	ohne Werkzeug abnehmbar Werkzeug erforderlich		+ o
Air filter cleaning	Requires tools		o
soiling	Elevated, requires frequent cleaning		-
Special features	Compensator for optimal fuel/air mixture when air filter is clogged-u		+
Reliability			
	No defects during the test		+
Operating manual			
	clear, well illustrated		+
Operator safety			
EG-type examination test	(DPLF) Test certificate No. K-EG-2001/3390		
GS-Test	(DPLF) Test certificate No. K-GS-2001/3391		

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

Tolerance values and evaluation criteria are described in the "Informationen zur Gebrauchswertprüfung" ("Information about the type examination test"). This publication is available from the DLG and the KWF.

Description and Technical Data (measured values)

Engine

- - Air-cooled single-cylinder two-stroke engine;
- engine displacement 50.2 cm³; bore 44.7 mm; stroke 32 mm;
- Fuel: minimum octane number 90 RON; mixed lubrication, Mixture 1:25; with special oil 1:40 or 1:50
- Special fuel according to Swedish standard SS 155 461 or normal unleaded gasoline;
- Spark plug WSR-6F, NGK BPMP 7A oder Champion RCJ 6Y;
- Idling speed 2800 min⁻¹; max. speed 14000 min⁻¹;
- Membrane carburettor Walbro.

Cutting equipment

- Clutch drum with external chain sprocket;
- Guide bar with sprocket nose, type Rollomatic E;
- Half chisel tooth, 0.325" pitch.

Additional equipment (not tested)

- Guide bars for 37, 40 und 45 cm cutting lengths;
- Heated handle;
- Quick chain tensioner

Main dimensions and weights

Length,	incl. cutting equipment 32 cm	720	mm
	engine unit without spiked bumper	435	mm
Width,	engine unit	170	mm
	incl. handle	240	mm
Height,	engine unit	182	mm
	with front hand guard	280	mm
Stump height,	chain sprocket cover	18	mm
	handle	35	mm
Tank volume,	fuel	0.46	l
	chain oil	0.29	l
Weight,	incl. cutting equipment 32 cm	5.6	kg
	without cutting equipment	4.7	kg

Test**Test carried out by**

Kuratorium für Waldarbeit und Forsttechnik
 Fachbereich "Prüfwesen und Normung", Groß-Umstadt
 DLG-Prüfstelle für Landmaschinen, Groß-Umstadt

Field test

Forest worker schools Itzelberg, Weilburg and Münchehof

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FPA/DLG Testing commission

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

Chairman: Alois Zollner, Laubau

FPA Approval:

March 2008

Test No. 3483

DLG-No: 5098

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

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