



TEST REPORT

STIHL MS 260 C chain saw

with 37 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 C with 37 cm cutting length

Andreas Stihl AG & Co. KG, 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	9500 min ⁻¹	2.6 Nm	53.1 kW/l		
2.2 kW	7500 min ⁻¹	max. 2.7 Nm	44.9 kW/l		
Exhaust emission					
	Carbon monoxide (CO)		Hydrocarbons (HC)		
absolute / specific	950 g/h	420 g/kWh	160 g/h	70 g/kWh	+
Fuel consumption					
	max. power		max. torque		
absolute / specific	1.5 l/h	447 g/kWh	1.2 l/h	393 g/kWh	+
Chain lubrication					
Oil consumption	at 5000 min ⁻¹		at 9000 min ⁻¹		o
min / max	3 ml/min	6 ml/min	6 ml/min	12 ml/min	
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)		
Vibrations					
front handle	idling speed	full load speed	full speed		
rear handle	3.9 m/s ²	2.6 m/s ²	4.1 m/s ²		+
	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 37 cm, 0,325" half chisel tooth	Kickback angle with brake	Chain stop angle			NE
	26°	21°			
Mass					

Weight per unit power	With cutting equipment	Without cutting equipment	++
	2.3 kg/kW	1.9 kg/kW	
Operability / handling			
Control elements	Easy to reach and use		+
Catalytic converter	High exhaust and machine temperatures, fire hazard!		-
Primer	Decompression valve		+
Chain assembly	easy, drive sprocket easily accessible		o
Chain tensioning	simple, on the side		o
Maintenance			
Air filter and spark plug cover, housing	Removable without tools		+
	Removal requires tools		o
Air filter cleaning	Requires tools		o
Dirt and debris in the air stream	Elevated, requires frequent cleaning		-
Special features	Compensator for optimal fuel/air mixture when air filter is clogged-up		+
Reliability			
	Catalytic converter and oil pump were damaged during test		o
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 Bosch WSR-6F or NGK BPMR 7A or 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 32, 40 und 45 cm cutting lengths;
- Heated handle;
- Quick chain tensioner.

Main dimensions and weights

Length,	incl. cutting equipment 37 cm	795 mm
	engine unit	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 37 cm	5.9 kg
	without cutting equipment	4.9 kg

Test

Test carried out by

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

Field test

Waldarbeitsschulen Itzelberg, Weilburg and Münchhof

Authors

Harald Krämer, DLG, Groß-Umstadt

Dietmar Ruppert, KWF, Groß-Umstadt

FPA/DLG Testing commission

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

Chairman: A. Zollner

FPA Approval:

March 2008

Test No. 3482

DLG-No. 5099

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.

This publication

was supported by the Federal Ministry of Consumer Protection, Food and Agriculture and the State Forest Administrations

DLG-Testzentrum, Technik und Betriebsmittel

Max-Eyth-Weg 1

D-64823 Groß-Umstadt

Telephone: 069/24788-0

Fax: 069/24788-110

E-mail: albert@dlg.org

Internet: www://dlg-test.de

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

Forsttechnischer Prüfungsausschuss (FPA)

Spremberger Straße 1

D-64823 Groß-Umstadt

Telephone: 06078/785-0

Fax: 06078/785 50

E-mail: kraemer@kwf-online.de

Internet: www://kwf-online.de