



TEST REPORT

STIHL MS 660/MS 660 W chain saw

with 50 cm cutting length

OWNER OF THE TEST CERTIFICATE:

Manufacturer and applicant:
Andreas Stihl AG & Co KG
Badstrasse 115
D-71336 Waiblingen
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Chain saw STIHL MS 660/MS 660 W with 50 cm cutting length Andreas Stihl AG & Co. KG, Badstraße 115, D-71336 Waiblingen

Test item	Test results				Evalua tion
Function	Chain saw in the power class over 4 kW; for professional use				
Engine power					
Power max 5.2 kW	Engine speed	peed Torque		Spec. fuel consumption	NE
3.8 kW	9500 min ⁻¹	5.2 Nm		56.8 kW/l	
0.0 KVV	6000 min ⁻¹	max. 6.0	Nm	41.5 kW/l	
Fuel consumption					
	max. power		max. to	orque	
absolute / specific	3.2 l/h 46	3 g/kWh	3.8 l/h	582 g/kWh	0
Chain lubrication					
Oil consumption	at 5000 min ⁻¹		at 900	0 min ⁻¹	
min / max	6 ml/min	ml/min	11 ml/	min 18 ml/min	0
Sound pressure level					
at ear of the operator	idling speed		full lo	ad speed	
	85 dB(A)		104 d	B(A)	_
Vibrations					
front handle rear handle	idling speed 4.1 m/s ² 4.7 m/s ²		full lo 4.1 m 6.9 m		0
Chain brake	7.7 111/3		0.5 111	13	
Handguard activation	Actuating force	aver. brak	_	max. braking time 0.084 s	NE
Inertia activation	horizontal acce			l acceleration	NE
Kickback	224 11/3		<i>i</i> +0 III,	13	
	Kickback angle with brake Cha		Chain	stop angle	NE
Halbmeißelzahn	Measurement not required		Measurement not required		IVL
Mass					

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Weight per unit power	With cutting equipment	Without cutting equipment		
	1.7 kg/kW	1.4 kg/kW	++	
Operability / handling				
Control elements	Easy to reach and use		+	
Regulator for oil pump	Awkward to operate (position, dirt)		-	
Primer	Decompression valve		+	
Chain assembly	easy, drive sprocket easily accessible		0	
Chain tensioning	simple, on the side		0	
Maintenance				
Air filter and spark plug cover	Removable without tools	Removable without tools		
Housing	Removal requires tools		0	
Air filter cleaning	No tools required		+	
soiling	normal		0	
Special features	Compensator for optimal fu	el/air mixture when air filter	+	
Reliability				
	No defects during the test		+	
Operating manual				
	clear, well illustrated		+	
Operator safety				
EG-type examination test	(DPLF) Test certificate No.			
GS-Test	(DPLF) Test certificate No.	K-GS-2002/3620		

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 91,6 cm³; bore 54 mm; stroke 40 mm;
- Fuel: minimum octane number 90 RON; mixed lubrication, Special fuel according to Swedish standard SS 155 461 or normal unleaded gasoline;
- Spark plug Bosch WSR-6F or NGK BPMR 7A.

- Idling speed 2500 min⁻¹; max. speed 13000 min⁻¹
- Membrane carburettor Walbro.

Cutting equipment

- Clutch drum with external chain sprocket;
- Guide bar with sprocket nose, type Rollomatic E;
- Full chisel tooth, 3/8" pitch.

Additional equipment (not tested)

- Guide bars for 40, 63, 75 and 90 cm cutting lengths;
- Heated handle

Main dimensions and weights

Length,	incl. cutting equipment 50 cm	940	mm
	engine unit with spiked bumper	470	mm
Width,	engine unit	205	mm
	incl. handle	267	mm
Height,	engine unit	221	mm
	with front hand guard	320	mm
Stump height,	chain sprocket cover	23	mm
	handle	33	mm
Tank volume,	fuel	0.82	I
	chain oil	0.36	I
Weight,	incl. cutting equipment 50 cm	9.0	kg
	without cutting equipment	7.3	kg

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Test carried out by

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

Field test

Forestry department Dieburg

Forest worker school Itzelberg

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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:3636 DLG- No.: 50104

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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