

TEST REPORT



Stihl MS 462 C-M

Test number: 8288

OWNER OF THE TEST CERTIFICATE:

Manufacturer and applicant:

Andreas Stihl AG & Co. KG

Badstrasse 115

71336 Waiblingen - Germany

www.stihl.de



MS 462 C-M (with M- Tronic)



MS 462 C-MVW (with M- Tronic, handle and carburetor heating)

Test Results and Evaluations

Chain saws

STIHL MS 462 C-M (with electronic engine management)

STIHL MS 462 C-MVW (with electronic engine management, handle and carburetor heating)

Tested with 50 cm cutting attachment

Andreas Stihl AG & Co. KG; Badstrasse 115; 71336 Waiblingen - Germany

Test item	Test results				Evaluation
Class	Chain saw in the power class above4 kW for professional use				
Engine power					
P _{max} = 4.4 kW	Engine speed	Torque		Spec. fuel consumption	N.E.
Md _{max} at 3.5 kW	10.000 rpm	4,2 Nm		61 kW/l	
	7.000 rpm	4,8 Nm		48 kW/l	
Fuel consumption					
	maximum power		maximum torque		+
absolute / specific	2,6 l/h	406 g/kWh	2,3 l/h	467 g/kWh	
Exhaust emission					
Complies with type approval regulations stage IV of 97/68/EG in version (EU) 2016/1628, approval number: e1*2016/1628*2016/1628SHB3/P*0114*00					o
Chain lubrication					
Oil consumption	at 5000 min ⁻¹		at 9000 min ⁻¹		o
min / max	3 ml/min	7 ml/min	5 ml/min	13 ml/min	
Sound pressure level					
	idling speed	full load speed	Full throttle no load		-
at ear of the operator	89 dB(A)	109 dB(A)	110 dB(A)		
Equivalent sound pressure level, according to DIN EN ISO 22868: 108 dB(A)					
Sound power according to DIN EN ISO 22868: 120 dB(A)					
Vibration					
35 cm saw bar (chain 63 PM3)	idling speed	full load speed	full throttle no load		o
front handle	3.7 m/s²	4.7 m/s²	3.0 m/s²		
rear handle	3.1 m/s²	4.1 m/s²	2.7 m/s²		
Total equivalent vibration according to DIN EN ISO 22867					
Front handle 3.9 m/s²; rear handle 3.3 m/s²					

Test item	Test results			Evaluation
Chain brake				
Handguard activation	Actuating force 30 N	Average braking time 0.03 s	Maximum braking time 0.05 s	N.E.
Inertia activation	horizontal acceleration 379 m/s²		vertical acceleration 926 m/s²	
Kickback				
	Chain stop angle without chain brake 22 °			N.E.
Weight				
Weight per unit power (MS 462 C-M)	With cutting attachment 1.7 kg/kW	Without cutting attachment 1.4 kg/kW		++
Operability / handling				
Control elements	Easy to reach and use			o
Machine start	Decompression valve			o
Engine control	Electronic control, no regulator screws, saw automatically adjusts for optimal performance. Additional manual calibration function integrated, which allows calibration in just over 1 minute.			++
Chain assembly	Easy to access and use			o
Chain tensioning	simple, tensioning on the side of machine			o
Refilling	No tools required for removing fuel tank caps, easy access			o
Handle heating	MS 462 C-VW only, activation with flip switch, the usability with gloves is good			+
Maintenance				
Air filter and spark plug cover, casing	Quick release, requires combine wrench			o
Air filter cleaning	No tools			+
soiling	low			+
Reliability	No problems encountered during tests			o
Operating manual	clear, well-illustrated			+
Work safety				
EG-type examination test	DPLF K-EG-2010/5607			N.E.
GS-Test	DPLF K-GS-2010/5608			N.E.

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

Description and Technical Data

Engine

- Air-cooled single-cylinder two-stroke engine
- Displacement 72.2 cm³; bore 52 mm; stroke 34 mm
- Fuel: minimum octane number 90ROZ (Mixture 1:50) or two-stroke special fuel with "KWF-Test"; manufacturers recommendation: Stihl MotoMix
- Spark plug NGK CMR6H
- Idling speed 2.800 rpm; max. speed 13.500 rpm

Cutting equipment

- Clutch drum with external chain sprocket
- Guide bar with or without tooth sprocket nose
- Half or full chisel tooth chain available according to manual
- Pitch 3/8" gauge 1.6 mm
- Several guide bars available according to manual

Main dimensions and weights (measured values)

Length,	incl. cutting equipment 50 cm	945 mm
	engine unit without spiked bumper	443 mm
Width,	engine unit	185 mm
	incl. handle	260 mm
Height,	engine unit	269 mm
	with front hand guard	298 mm
Stump height,	chain sprocket cover	24 mm
	handle	38 mm
Tank volume,	fuel	720 ml
	chain oil	330 ml
Weight,	incl. cutting equipment 35 cm	7,4 kg
	without cutting equipment	6,1 kg

In acknowledgement of the results of the test carried out by the KWF the approved product is also entitled to carry the following test marks: "DLG anerkannt".

Test committee: tools and equipment
Chairman: Dr. Sebastian Paar, Laubau

Inspection closed: April 2018

Approval until: April 2023

First approval: April 2018

Responsible test engineer

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practical application carried out by professional user

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