

# TEST REPORT



## Stihl MS 201 T / MS 201 TC-E Stihl MS 201 TC-M

Test no.: 6080

OWNER OF THE TEST CERTIFICATE:

Andreas Stihl AG & Co. KG

Badstrasse 115

71336 Waiblingen – Germany

[www.stihl.de](http://www.stihl.de)



## Test Results and Evaluations

### Chain saws

STIHL MS 201 T (standard model); STIHL MS 201 TC E (with Ergostart),  
STIHL MS 201 TC-M (with electronic engine management)

Tested with 35 cm Stihl Rollomatic guide bar

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

Test item	Test result				Evaluation
Function	Chain saw for tree care for professional use				
Engine power					
	Engine speed	Torque		Spec. fuel consumption	N.E.
P <sub>max</sub> = 1.7 kW	11000 min <sup>-1</sup>	1.5 Nm		48 kW/l	
Md <sub>max</sub> at 1.3 kW	7500 min <sup>-1</sup>	1.7 Nm		37 kW/l	
Fuel consumption					
	max. power		max. torque		
absolute / specific	1.0 l/h	400 g/kWh	0.8 l/h	434 g/kWh	+
Exhaust emissions					
Comply with type approval Level V of the guideline EU 2016/1628					o
Approval number: e1*2016/1628*2016/1628SHA1/P*0165*00					
Chain lubrication					
consumption	at 5000 min <sup>-1</sup>		At 9000 min <sup>-1</sup>		
min / max	3 ml/min	5 ml/min	4 ml/min	9 ml/min	o
Noise					
	idling speed	full load speed	Full throttle no load		
at ear of the operator	80 dB(A)	98 dB(A)	99 dB(A)		o
Equivalent sound pressure level, according to DIN EN ISO 22868: 97 dB(A)					
Acoustic power, according to DIN EN ISO 22868: 111 dB(A)					
(average between: full load/ full throttle)					
Vibrations					
MS 201 T / MS 201 TC-M	idling speed	full load speed	Full throttle no load		
front handle	3.3 / 2,2 m/s²	3,6 / 4,0 m/s²	3,5 / 2,4 m/s²		o
rear handle	3.1 / 2,1 m/s²	3.3 / 3,6 m/s²	3,0 / 2,8 m/s²		
Total equivalent vibration according to DIN EN ISO 22867					
front handle 3,5 / 3,0 m/s²; rear handle 3,1 / 2,9 m/s²					

Chain brake					
Handguard activation		Actuating force	aver. braking time	max. braking time	N.E.
		27 N	0.07 s	0.09 s	
Inertia activation		horizontal acceleration		vertical acceleration	
		388 m/s²		650 m/s²	
Kickback					
Chain stop angle		15 °			N.E.
Weight					
Weight per unit power		With cutting equipment	Without cutting equipment		
		2.5 kg/kW	2.2 kg/kW		++
Operability / handling					
Control elements		Easy to reach and use			o
Starting sequence		Combined switch I / O,CHOKE warm engine and CHOKE cold engine			+
		Version MS 201 TC-M combined switch I / O and START, with stop button function, CHOKE position eliminated			++
		Version MS 201 TC-E easier starting by using mechanical starting aid (Ergostart) and manual primer; good starting behavior			+
Engine control		Factory carburetor setting, minimal modification of idling speed with tools			O
		Version MS 201 TC-M, no set screws available, automatic and optimal adaptation to environment-, pollution- and fuel conditions			++
Chain assembly		difficult : drive sprocket cover fixed with extra bolt; internal chain sprocket			-
		drive sprocket cover fixed with bolt, nut permanently fixed			+
Chain tensioning		Simple, on the side in the chain sprocket cover			o
Fuel tank		Fuel tank cover can be opened without tools, easy to access			o
Others		Transport protection for the cutting attachment with funnel-shaped opening and Sticky Keys			+
Maintenance					
Air filter and spark plug cover, casing		No tools required for removing air filter cover			+
		Tools required, lying cylinder			o
Air filter	cleaning	No tools			+
	soiling	low			+
Reliability		No damage during the test			o
Operating manual		clear, well illustrated			+

**Operator safety**

EG-type examination test

DPLF K-EG-2010/5601

**N.E.**

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

Threshold values and evaluation criteria are described in the "Information about the Utility Value Test" available from the KWF.

## Description and technical data

**Motor**

- Air-cooled single-cylinder two-stroke engine
- Engine displacement 35.2 cm<sup>3</sup>; bore 40 mm; stroke 28 mm
- Fuel: minimum octane number 90ROZ (mix ratio 1:50) or two stroke special fuel with "KWF-TEST", manufacturers recommendation: Stihl MotoMix
- Spark plug NGK CMR6H
- Idling speed 3000 min<sup>-1</sup>; max. speed 14000 min<sup>-1</sup>

**Cutting attachment**

- Clutch drum with internal chain sprocket
- Guide bar with 9-tooth sprocket
- Half or full chisel tooth chain
- pitch 3/8" P gauge 1.3 mm
- various guide bar lengths and chain types available for this saw model
- various guide bar lengths (Carving type) and chain types as 1/4" system available

**Main dimensions and weights (measured values)**

Length	incl. cutting attachment 35 cm	585 mm
	engine unit without spiked bumper	255 mm
Width	engine unit	160 mm
	incl. handle	220 mm
Height	engine unit	150 mm
	with front hand guard	250 mm
Stump height	chain sprocket cover	20 mm
	handle	-mm
Tank capacity	fuel	300 ml
	chain oil	220 ml
Net weight (Standard/ Ergostart)	incl. cutting attachment 38 cm	4.2 kg
	without cutting attachment	3,7 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**

**practical application carried out by professional user**

**The product is otherwise produced with the engine characteristic changed, but unchanged**

**Inspection closed:**      **October 2019**

**Approval until:**        **October 2024**

**First approval:**        **June 2019**

**Responsible test engineer**

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