

TEST REPORT



STIHL MSA 200 C-BQ

OWNER OF TEST CERTIFICATE :

Test no.: 7512

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Test results and evaluations

Andreas Stihl AG & Co. KG, Andreas-Stihl-Straße 4, D – 71336 Waiblingen

STIHL MSA 200 C-BQ with battery AP 300 and battery-quick-charger AL 300

Practical tests and technical measurements with 1/4" P cutting attachment with 30 cm cutting length.

Application field

Battery powered chainsaw for the application in noise-sensitive surroundings.
New growth- and stand tending, building of recreational forest- and hunting activity set-ups, tree services, carpentry, processing of firewood of smaller dimensions.

Operation, maintenance and product safety		
Control elements	Good to reach and to operate. Horizontal cutting operation aggravated due to the position of the throttle lock-out (sideways positioned button at the rear handle)	o
Starting	After unlocking the chain brake lever starting with 2 control buttons. Low operating forces.	+
Operating comfort	Good. No hearing protection required.	++
Mounting of the saw chain	Good. Sprocket outside. Toolless fixure of the sprocket cover.	+
Chain tensioning	At the sprocket cover. No tools required.	+
Filling of the oil tank	Filler cap with folding handle. Good to reach. No tools required. Control of the filling level through transparent tank.	+
Battery / charger	Average sowing o the battery compartment. Battery placed sideways.	o
	Secured by two levers.	o
	Charging status by LED-indicator at the battery.	+
	Charger with temperature monitoring and LED-indicator.	o
Maintenance	Low cleaning- and care effort. Points zu be maintained good to reach.	+
	Resharpener of the saw chain with 1/8" round file.	o
Operational safety	No damages in the course of testing.	o
Operation manual	Illustrated, detailed and clear.	+
Working safety	EC-type-examination (VDE: 40040600) GS-test (VDE: 40030865)	o. B.

Technical data**Main dimensions and weights**

Length	Including cutting set 30 cm Engine unit w/o spiked bumper	725 mm 420 mm
Width	Engine unit w/ handle	158 mm 209 mm
Height	Engine unit w/ handguard	184 mm 255 mm
Stump height	Sprocket cover Handle	20 mm 20 mm
Tank volume	Chainoil	195 ml
Empty weight (w/o battery)	Including cutting set 30 cm w/o cutting set	3,3 kg 2,8 kg
Battery AP 300	Weight Capacity Energy content	1,7 kg 6,3 Ah 227 Wh
Battery-charger AL 300	Weight Supply voltage	1,2 kg 230 V

Cutting performance battery AP 300 (additional batteries and chargers available)

Cutting performance with one battery charge	Spruce scantling 10 x 10 cm in continuous operation: approx. 300 cuts corresponds to a cut face of 3,0 m ² cut performance max. 80 cm ² /s
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Motor data

- maintenance free brushless DC-motor
- supply voltage 36 V
- infinitely variable
- 7-tooth sprocket

Cutting set

- guide bar with 30 cm cutting length, sprocket nose 8-toothed
- low-kickback semi-chisel chain Picco Micro (PM3)
- pitch 1/4"P, gauge 1,1 mm
- additional cutting sets available

Noise-emissions

Sound power level L _{WA}	95 dB(A)	++
Sound pressure level L _{PA}	84 dB(A)	++

Vibrations

Front handle	4,6 m/s ²	o
Back handle	3,9 m/s ²	o

Chain brake	Actuation force	Avg. braking time		Max. braking time	
Actuation through hand guard	24 N	< 0,12 s		< 0,15 s	o. B.
Actuation through mass momentum of inertia	Horizontal acceleration		Vertical acceleration		
	325 m/s²		670 m/s²		
Rating: ++ / + / o / - / -- ; o = standard ; o. B. = w/o rating ; – compliance with threshold value					

In the field of measurement tolerances, the Stihl MSA 200 C-BQ is still manufactured unchanged.

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Test committee equipment and tools
Chairman: Dr. Johannes Windisch,
Regensburg

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Practical work with professional users

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