

TEST REPORT



Husqvarna 535i XP®

OWNER OF TEST CERTIFICATE :

Test no.: 7574

Husqvarna AB

SE-561 82 Huskvarna
www.husqvarna.com





Test results and evaluations

Husqvarna AB, SE 561 82 Huskvarna

Husqvarna 535i XP with battery BLi200 or BLi300 and battery-quick-charger QC 500

Practical tests and technical measurements with 3/8" 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. Low operating forces.	o
Starting	After unlocking the chain brake lever starting with 2 control buttons and a electrical switch. Time-delayed switching-off when not operated.	+
Operating comfort	Good. Additional LED-indicator shows I/O condition. Switchable energy saving mode (savE) for extended operational time due to battery throttling	+
Mounting of the saw chain	Good. Sprocket outside. Fixtures of the sprocket cover can't be lost. Removable with tools.	+
Chain tensioning	At the sprocket cover. Tools required.	o
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	Low sowing o the battery compartment. Battery placed sideways.	+
	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 standard round file.	o
Operational safety	One faulty battery during the tests.	o
Operation manual	Illustrated, detailed and clear.	+
Working safety	Intertek CB-test certificate SE-76388	o. B.

Technical data**Main dimensions and weights**

Length	Including cutting set 30 cm Engine unit w/o spiked bumper	705 mm 425 mm
Width	Engine unit w/ handle	144 mm 208 mm
Height	Engine unit w/ handguard	182 mm 213 mm
Stump hieght	Sprocket cover Handle	23 mm 23 mm
Tank volume	Chainoil	190 ml
Empty weight (w/o battery)	Including cutting set 30 cm w/o cutting set	3,1 kg 2,6 kg
Battery BLi200	Weight Capacity Energy content	1,3 kg 5,2 Ah 187,2 Wh
Battery BLi300	Weight Capacity Energy content	1,9 kg 9,4 Ah 338,4 Wh
Battery-charger QC500	Weight Supply voltage	1,5 kg 230 V

Example cutting performance battery Bli150 (151 Wh) (no longer available)

Cutting performance with one battery charge	Spruce scantling 10 x 10 cm in continuous operation: approx. 82 cuts (98 in savE-mode) corresponds to a cut face of 0,82 (0,98) m ² cut performance max. 44 cm ² /s
---	--

Motor data

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

Degree of protection: IPX4 (Splashing water)**Cutting set**

- guide bar with 30 cm cutting length, sprocket nose 8-toothed
- low-kickback semi-chisel chain
- pitch 3/8", gauge 1,1 mm
- additional cutting sets available

Noise-emissions

Sound power level, measured	104 db(A)	o
Sound power level, guaranteed L _{WA}	106 dB(A)	o
Equivalent sound pressure levle at the ear	93 dB(A)	o

Vibrations					
	Vibration level		Equivalent vibration level	o	
Front handle	4,1 m/s²		2,5 m/s²	o	
Back handle	4,6 m/s²		2,5 m/s²	o	
Chain brake	Actuation force	Avg. braking time		Max. braking time	
Actuation through hand guard	23 N	< 0,12 s		< 0,15 s	
Actuation through mass momentum of inertia	Horizontal acceleration		Vertical acceleration		o. B.
	284 m/s²		463 m/s²		
Rating: ++ / + / o / - / -- ; o = standard ; o. B. = w/o rating ; – compliance with threshold value					

In the field of measurement tolerances, the Husqvarna 535i XP is still manufactured unchanged.

Published with funding from the Federal Ministry of Food and Agriculture on the basis of a resolution of the German Bundestag and by the Federal State Ministries of Forestry by:



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

Practical work with professional users

Test completion **August 2021**
Approval until **August 2026**
First approval **August 2016**
Responsible test engineer
Sebastian Wagner
sebastian.wagner@kwf-online.de

Kuratorium für Waldarbeit und Forsttechnik e.V.
Spremlberger Straße 1
D - 64823 Groß-Umstadt
Phone: 06078-785-0
Fax: 06078/785-39
Homepage: www.kwf-online.de