

TEST REPORT



HUSQVARNA 540i XP

Test no: 10251

OWNER OF TEST CERTIFICATE:

Husqvarna AB
Drottninggatan 2
SE-561 82 Huskvarna
www.husqvarna.com



Battery BLi 300



Quick Charger QC 500



Test results and evaluations

Applicant: Husqvarna AB; Drottninggatan 2; SE-561 82 Huskvarna

Chain saw Husqvarna 540i XP with battery BLi300 and Quickcharger QC 500

Practical applications and measurements with 0.325" cutting attachment with 38 cm cutting length.

Suitability		
Chainsaw for forest work in the power range up to 2 kW, for professional use.		
Field of application		
	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.	n.e.
Emissions		
Noise	Equivalent sound pressure level at ear 95 dB.(A) Sound power level, measured 104 dB.(A)	o
Vibration	Measurements according to EN 50636-2-91 - Front handle : 2,3 m/s ² - Rear handle: 2,6 m/s ²	o
Operation, maintenance and product safety		
Starting	1) Actuation of start/stop button 2) Actuation of the slide lock to release the throttle lever lock 3) Operation of throttle lever lock 4) Operation of throttle lever Time-delayed switch-off if not actuated. Low operating forces, energy-saving function (savE) can be switched on by push-button to extend battery life while at the same time reducing battery power.	+
Operating elements	Clearly arranged, easy to reach, good operation even with gloved hands	+
Operating status display	Through LED in operation	+
Mounting the saw chain	Sprocket cover with captive fastener can be released with tools	o
Available cutting attachments	Cutting attachments available in cutting lengths between 30 cm and 40 cm with different chain pitches.	+
Chain tension	On the sprocket cover. Tool required. Frequent retensioning required.	-
Connectivity	Wireless via Bluetooth	n.e.
Filling of the oil tank	Fuel filler cap with folding bracket. Easily accessible. No tools required. Fill level control through transparent tank.	+
Battery		
Charging power	With QC500 charger 62 min to 100 % battery capacity.	o.B.

Constant energy output	No throttling of power when battery is low	o
Energy content	169 Wh/kg	n.e.
Bad weather operation	IP X4 certified for splash water, operation in rain is discouraged in the manual	+
Status display	Bar graph display with 4 LEDs	+
Locking device	Easy to remove from the side with gloves, safety lock	+
Fault tolerance	No abnormalities in the course of the examination, low wear of the battery drawer	+
Interchangeable battery system	Batteries with different battery capacities, as well as backpack battery system available, downward compatible	+
Charger		
Charging technology	Fast charger with active battery cooling and temperature monitoring.	+
Operational safety	No abnormalities in the course of the examination, little soiling of the battery drawer	+
Maintenance and care		
Chain saw	Few, easily accessible maintenance points Increased cleaning effort when working with air inlet cover, can be cleaned dry or wet	+
Battery / Charger	Low cleaning effort, smooth surfaces	n.e.
Operational safety		
System	No abnormalities during the examinations	+
Manual		
Execution	Available as pdf or as print, illustrated, adapted to the conditions in practice, conclusive	+
Product safety		
	Type examination (CB test) by notified body available	o
Environmental sustainability		
	No eco-label available	o

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

Technical data (measured values)		
Length	Including cutting attachment 38 cm	600 mm
	Engine unit without spiked bumper	450 mm
Width	Engine unit	140 mm
	With front handle	200 mm
Height	Engine unit	190 mm
	With hand guard	235 mm
Stump height	Sprocket cover	20 mm
Tank capacity	Lubricant	200 ml
Empty weight (w/o battery Akku)	Including cutting attachment 38 cm	3,6 kg
	Without cutting attachment	2,9 kg
Battery BLi300	Weight	2,0 kg
	Capacity	9,4 Ah
	Energy content	338,4 Wh
Quick Charger QC500	Weight	1,0 kg
	Supply voltage	230 V
Cutting performance		
Cutting performance	Maximum 52 cm²/sec. (cutting spruce logs approx. Ø 25 cm) 91 cuts/per load (cutting spruce logs approx. Ø 25 cm)	
Engine data		
<ul style="list-style-type: none">• Maintenance-free brushless DC motor• Supply voltage 36 V• Infinitely variable• Max. chain speed Chain speed 21 m/s (with cutting set, chain tensioned according to manufacturer's specifications)		

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"

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

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Responsible test engineer
Patrick Müßig
patrick.muessig@kwf-online.de

Practical work with professional users

Kuratorium für Waldarbeit und Forsttechnik e.V.
 Spremberger Straße 1
 D - 64823 Groß-Umstadt
 Phone: +49 6078/785-15
 Fax: +49 6078/785-50
 Homepage: www.kwf-online.de