

TEST REPORT



Husqvarna T535i XP®

OWNER OF TEST CERTIFICATE :

Test no.: 7599

Husqvarna AB

SE-561 82 Huskvarna
www.husqvarna.com





Test results and evaluations

Husqvarna AB, SE 561 82 Huskvarna

Husqvarna T535i XP with battery BLi200 or BLi300 and battery-quick-charger QC 500

Practical tests and technical measurements with 3/8" cutting attachment with 25 cm cutting length.

Application field

Battery powered chainsaw for tree service

Application solely for tree service tasks by specially trained personell.

Not suitable for conventional chain saw tasks (e.g. logging, debranching, crosscut).

| Operation, maintenance and product safety | | |
|-------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|-------|
| Control elements | Good to reach and to operate. | o |
| Starting | After unlocking the chain brake lever starting with 2 control buttons and a electrival 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. | + |
| 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 sowling 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 | No damages in the course of testing. | 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 25 cm Engine unit w/o spiked bumper | 570 mm 293 mm |
| Width | Engine unit w/ handle | 144 mm 208 mm |
| Height | Engine unit w/ handguard | 198 mm 219 mm |
| Stump hieght | Sprocket cover Handle | 23 mm 23 mm |
| Tank volume | Chainoil | 190 ml |
| Empty weight (w/o battery) | Including cutting set 25 cm w/o cutting set | 2,4 kg 2,9 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 25 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 | 3,3 m/s² | | 2,0 m/s² | o | |
| Back handle | 3,7 m/s² | | 2,4 m/s² | o | |
| Chain brake | Actuation force | Avg. braking time | | Max. braking time | |
| Actuation through hand guard | 32 N | < 0,12 s | | < 0,15 s | |
| Actuation through mass momentum of inertia | Horizontal acceleration | | Vertical acceleration | | o. B. |
| | 282 m/s² | | 475 m/s² | | |
| Rating: ++ / + / o / - / -- ; o = standard ; o. B. = w/o rating ; – compliance with threshold value | | | | | |

In the field of measurement tolerances, the Husqvarna T553i XP is still manufactured unchanged.

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Test committee equipment and tools
Chairman: Dr. Johannes Windisch,
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Practical work with professional users

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