

# TEST REPORT



## Husqvarna Battery Brushcutter 535iFR / 535iRX / 535iRXT

Report no.: 9328

**OWNER OF TEST CERTIFICATE:**

Manufacturer and applicant:

Husqvarna AB  
Drottninggatan 2  
S- 56182 Huskvarna

[www.husqvarna.com](http://www.husqvarna.com)



Type 535iFR incl. Bluetooth Connectivity



Type 535iRX incl. vibration-damped shaft and -handles, shaft reinforced with magnesium alloy



Type 535iRXT incl. bluetooth connectivity, vibration-damped shaft and -handles, shaft reinforced with magnesium alloy

## Prüfergebnisse und Beurteilungen



Battery brushcutter HUSQVARNA Series 535i

Teste with battery HUSQVARNA BLi300 and charger HUSQVARNA QC500

Practical assignments were made with the tools:

- Grass cutting blade Gras 255-4
- String trimmer head T36 und E36B
- Brush blade Multi 255-3 and Multi 300-3

Test item	Test result	Rating
<b>Class</b>	Brush cutter in the power range up to 2 kW, for professional use	
Grass cutting blade	Mowing in thick, dry grass, weeds or stinging nettles	<b>n.e.</b>
String trimmer head	Mowing on obstacles such as walls, stairs or bed frames and for surface works	
Brush blade	Mowing of grasses and scrub to a diameter of about 2-3 cm	
<b>Cutting power per battery charge</b>		
Grass cutting blade	Mowing areas $\leq 200 \text{ m}^2 - 500 \text{ m}^2$ Meadow grass areas with growth of 20-30 cm	-
String trimmer head	Mowing areas $\leq 200 \text{ m}^2 - 500 \text{ m}^2$ Meadow grass areas with growth of 20-30 cm	-
Brush blade	Duration of use about 20 - max. 45 minutes Mowing of grasses and scrub to a diameter of about 2-3 cm	<b>o</b>
<b>Battery</b>		
Charging power [Wh]	On average, 18 minutes for 100 watt hours	<b>o</b>
Energy content [Wh / kg]	171 Watt hours per kilogram	<b>+</b>
Protection	No operation in rain allowed	-
Status display	LED bar display on the battery	<b>+</b>
Lock	Safety lock, easy removal with gloves possible	<b>+</b>
Removable battery system	Batteries with different battery capacities, as well as backpack batteries available	<b>+</b>

Test item	Test result	Rating
<b>Charger</b>		
Charging technology	Fast charger with status display	+
Cooling while loading	Active cooling during charging	+
temperature monitoring	Temperature monitoring integrated to protect the battery	+
<b>Power to weight ratio</b>		
Mass-power ratio [kg / kWh]	Dry weight without battery, tools and guard / battery capacity of the battery BLi300	-
535iFR / 535iRX / 535iRXT	(13,4 / 14,5 / 14,6) Kilogramm/ Kilowattstunde	
<b>Noise</b>		
Sound pressure	Sound pressure level $L_{pA}$ measured in accordance with IEC 62841-1: 80 dB(A) No ear protection required	+
Sound power	Sound power level $L_{WA}$ measured in accordance to EN 3744: 94 dB(A) Limit $\leq 96$ dB according to Directive 2000/14/EC	n.e.
<b>Vibration</b>		
Maximum with type 535iFR and brush-blade 255-4	Vibration value $a_{hv}$ measured in accordance to IEC 62841-1: 2,0 m/s <sup>2</sup> right; 2,5 m/s <sup>2</sup> left	o
<b>Operability / handling</b>		
Starting	Operating forces <10 N slight accidental start-up is prevented by the system of 3 independent actuations permanent actuation of the lock-off device is not required after start	+
Controls	good operability even with gloves, clear layout, easy accessibility	+
Handles	Bicycle handlebar-like handles, good accessibility, adjustable without tools	+
Operating state device	Optical LED status display on the right hand grip incl. adjustable power levels with optical feedback	+
	Type 535iRXT: Adjustment of string length of string trimmer head per button „ErgoFeed“ on right handle	+

tool change	exchange of one-piece metal tools by use of separate tool; string trimmer head toolless, lock pin required; low operating forces required	+
Available tools	Several tools / string, metal tools to choose from for different applications	+
Additional functions	Type 535iFR and 535iRXT: Analysis of duration of use; access on attachments via bluetooth connection in combination with Husqvarna Connect APP possible	+
<b>comfort</b>		
During operation	Double shoulder belt with padding, permanently practical quick-release device	+
During transport	Design can be dismantled without tools (excluding one-piece metal tools and tool cover)	+
<b>Maintenance and Care</b>		
Device	Low	+
Battery system	Low	+
Service points	Low	+
<b>Operational safety</b>		
	No damages occurred during the test	+
<b>Operation manual</b>		
	Illustrated, detailed, clear	+
<b>Work safety</b>		
	Confirmation of conformity (CE) by SMP Svensk Maskinprovning	o
<b>Environmental sustainability</b>		
	No environmental label awarded	o

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

## Description and technical data

### Technical data

#### Drive

Maintenance-free brushless DC motor  
 Supply voltage 36V  
 Infinitely variable, 3 power levels presettable  
 non-maintenance free angular gearbox, connection M12 x 1,75 left  
 Angle position shank / tool shaft: 145°

<b>Device</b>		
Length	Including tools	1870 mm / 1900 mm
Length of handle	right / left	110 mm / 100 mm
Width	Bicycle handlebar-like handles	660 mm
Height	Bicycle handlebar-like handles	300 mm
Shaft	diameter	28 mm
	wall thickness	1,5 mm
Mass	including tools without battery	4,9 – 5,6 kg
<b>Cutting attachments</b>		
Grass cutting blade 255-4	Schnittbreite 255 mm, Blattdicke 1,8 mm, 4- flügelig	465 g
String trimmer head T35	Schnittbreite 450 mm, Fadendurchmesser 2,8 mm	330 g
Brush blade 255-3	Schnittbreite 252 mm, Blattdicke 2,3 mm, 3-flügelig	315 g
Brush blade 300-3	Schnittbreite 302 mm, Blattdicke 3,4 mm, 3-flügelig	575 g
Maximum tool speed	Brush blade / Grass cutting blade / String trimmer head Level 1/ 2/ 3: 6.390/ 7.372/ 8.200 rpm	
<b>Battery BLi 300</b>		
Capacity		338 Wh
Dimensions		(98/132/154) mm
Mass		1.980 g

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

**Inspection closed: November 2020**  
**Approval valid until: November 2025**  
**First approval: November 2020**

**Responsible test engineer:**

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**practical application carried out by professional user**

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