

व्यावसायिक परीक्षण रिपोर्ट (प्रारंभिक)
COMMERCIAL TEST REPORT
(INITIAL)

संख्याNo: Machine-410/1242
माहMonth: December, 2020
Validity: 30.11.2025



HUSQVARNA 531 RS BRUSH CUTTER



भारत सरकार

Government of India

कृषि एवं किसान कल्याण मंत्रालय

Ministry of Agriculture and Farmers Welfare

कृषि, सहकारिता एवं किसान कल्याण विभाग

Department of Agriculture, Cooperation and Farmers Welfare

दक्षिणी क्षेत्र कृषि मशीनरी प्रशिक्षण एवं परीक्षण संस्थान

Southern Region Farm Machinery Training and Testing Institute

ट्रैक्टर नगर, गार्लदिन्ने-515 731, जिला: अनंतपुर (आं. प्र.)

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Machine-410/1242	HUSQVARNA 531 RS BRUSH CUTTER	COMMERCIAL (ICT)
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Manufacturer : M/s. Husqvarna Zenoah Changzhou Machinery Co., No. 366, Huanghe West Road, Xinbei District, Changzhou, Jiangsu, **China.**

Name of Applicant : M/s. Husqvarna India (Products) Private Limited, First Floor, Swees House, No. 5, Sir P S Sivasamy Salai, Mylapore, Chennai – 600 004, Tamil Nadu, **India.**

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Type of test : INITIAL COMMERCIAL TEST

Period of test : 12.10.2020 to 18.12.2020

Test Report No. : Machine-410/1242

Month / Year of release : December, 2020

- i) The results reported in this report are observed values and no corrections have been applied for atmospheric and site conditions.
- ii) The data given in this report pertain to the particular machine randomly selected by testing authority at applicant's site.
- iii) The results presented in this report do not in any way attribute to the durability of the machine.
- iv) This Test Report should not be reproduced in part or full without prior permission of the Director, Southern Region Farm Machinery Training & Testing Institute, Garladinne, Anantapur (A.P.).
- v) This is a report on Commercial Test of Brush Cutter named "**Husqvarna 531 RS Brush Cutter**" **This report is valid up to 30.11.2025, Vide Ministry's O.M. No. 13-24/2018-M&T (I&P) dated 19.09.2018.**

SELECTED CONVERSIONS

S. No.	Units	Conversion Factor
1	Force	
	1 kgf	9.80665 N
		2.20462 lbf
2	Power	
	1 hp	1.01387 metric hp (Ps)
		745.7 W
	1 Ps	735.5 W
	1 kW	1.35962 Ps
3	Pressure	
	1 psi	6.895 kPa
	1 kgf/cm ²	98.067 kPa = 735.56 mm of Hg
	1 bar	100 kPa = 10 N/cm ²
	1 mm of Hg	1.3332 m-bar

16.5 A fuel on/off knob may be considered for providing in the fuel system of engine.

16.6 The hardness of square blade and circular disc were recorded as 34.2 to 36.4 & 39.5 to 41.5 respectively, against the requirement of 48 to 58 HRC as per IS 6025:1982 (Reaffirmed 1999). This should be looked into for necessary improvements in the quality of material of blades.

16.7 The chemical composition of square blade and circular disc were not as per requirement of the relevant code IS 6025:1982 (Reaffirmed 1999) & therefore it should be looked into for the corrective action.

16.8 **Adequacy of literature supplied with the machine:**

The Instruction manual and spare parts list of brush cutter and engine in English were supplied with the brush cutter for reference during the test. It is however, recommended that same may be revised and brought out as per IS: 8132- 1999 (Reaffirmed 2004) for the sake of user & technical personnel.

TESTING AUTHORITY:

H.N. DIXIT
AGRICULTURAL ENGINEER

Dr. P.P. RAO
DIRECTOR

17. APPLICANT'S COMMENTS

Para No.	Our reference	Applicant's comments
17.1	16.2	We will be follow-up with quality control department and take corrective action to reduce noise in future products.
17.2	16.3	We will be follow-up with quality control department and take corrective action to reduce mechanical vibration in future products.
17.3	16.6	We will relook the hardness of rotor blades to ensure it meets the requirement
17.4	16.7	We will relook the chemical composition of rotor blades to ensure it meets the requirement
17.5	16.8	We will look into the same