

THIS TEST REPORT IS VALID UP TO 30.06.2032



STIHL, FS 232 BRUSH CUTTER



भारत सरकार

Government of India

कृषि एवं किसान कल्याण मंत्रालय

Ministry of Agriculture and Farmers Welfare

कृषि एवं किसान कल्याण विभाग

Department of Agriculture 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 (आ. प्र.)

Tractor Nagar, Garladinne-515 731, District: Anantapur (A.P.)

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SOUTHERN REGION FARM MACHINERY TRAINING & TESTING INSTITUTE,
ANANTAPUR(A.P.)

Page 1 of 22

H&TH/SRFMTTI, ANANTAPUR/2025-26/ 13/13/1894	STIHL, FS 232 BRUSH CUTTER THIS REPORT IS VALID UP TO 30.06.2032
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Manufacturer, (apa) : M/s. Andreas Stihl Power Tools Co. Ltd,
Qingdao, China.
(Design by Andreas Stihl AG & Co. KG,
Germany & SKD Parts from china and Assembled
by STIHL INDIA under MII).

Name of Applicant : M/s. Andreas Stihl Pvt Ltd
Plot No. E-2/5 & 2/6, Chakan MIDC Industrial
Area, Phase III, Village Kharabwadi, Tai-Khad,
Pune, Maharashtra-410501.

STIHL, FS 232 BRUSH CUTTER

Report No.: H&TH/SRFMTTI, ANANTAPUR/2025-26/13/13/1894

Month: July

Year: 2025




सत्यमेव जयते

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	H&TH/SRFMTTI, ANANTAPUR/2025-26/ 13/13/1894	STIHL, FS 232 BRUSH CUTTER THIS REPORT IS VALID UP TO 30.06.2032	COMMERCIAL (ICT)

Type of test : COMMERCIAL (ICT)

Period of test : May, 2025 to June, 2025

Test Report No. : H&TH/SRFMTTI, ANANTAPUR/2025-26/13/13/1894

Month / Year of release : July, 2025

- The results reported in this report are observed values and no corrections have been applied for atmospheric and site conditions.
- The data given in this report pertain to the particular machine randomly selected by testing authority.
- The results presented in this report do not in any way attribute to the durability of the machine.
- 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.).
- This is a report on Commercial Test of Brush Cutter named "STIHL, FS 232 BRUSH CUTTER". This report is valid up to 30.06.2032, Vide Ministry's O.M. No. 13-22/2020-M&T (I&P) dated 12.12.2023.

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

H&TH/SRFMTTI, ANANTAPUR/2025-26/ 13/13/1894		STIHL, FS 232 BRUSH CUTTER THIS REPORT IS VALID UP TO 30.06.2032	COMMERCIAL (ICT)	
1	2	3	4	5
27	Direction of exhaust emission away from operator	Must be provided	Provided	Conforms
28	Provision for safety kit (helmet, ear plug, mask, hand gloves, safety glass, protective cloth, safety shoes)	Must be provided	Provided	Conforms
29	Marking/labeling of machine	The labeling plate should be riveted on the body of the machine having name and address of manufacturer & applicant, country of origin, make, model, year of manufacturer, serial number, engine number, engine HP, rated rpm & Specific fuel consumption	Country of origin & Specific fuel consumption are not provided	Does not conform
30	Literature	Operator manual, service manual and parts catalogue should be provided	Provided	Conforms

17. COMMENTS & RECOMMENDATIONS

- 17.1** The maximum power was observed as 1.29 kW under natural ambient condition against the declared value of 1.55 kW.
- 17.2** The safety provisions, as mentioned at para 5.14, have been provided by the applicant for safety aspect of operators.
- 17.3** A fuel on/off knob may be considered for providing in the fuel system of engine.
- 17.4 Noise measurement:**
Max. Noise at operator's ear level was observed as 101 dB (A), which is on higher side, there of suitable corrective action should be taken to reduce the noise level.
- 17.5 Mechanical vibration:**
The equivalent mechanical vibration on engine cover was observed to the extent of 204 micron. This should be looked into for dampening the vibration.
- 17.6 Chemical analysis:**
The chemical analysis of Straight blade (2 teeth) is not as per requirement of the relevant code IS 6025:1982 (Reaffirmed 1999) & therefore it should be looked into for the corrective action.

H&TH/SRFMTTI, ANANTAPUR/2025-26/ 13/13/1894	STIHL, FS 232 BRUSH CUTTER THIS REPORT IS VALID UP TO 30.06.2032	COMMERCIAL (ICT)
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17.7 Marking /labelling:

The labeling plate does not reveal all the required information. It is therefore recommended that a suitable labeling plate covering all essential components, interlaid, the following must be provided:

- Country of origin
- Specific fuel consumption, (g/kWh)




17.6 Adequacy of literature supplied with the machine:

Service manual and Parts catalogue is provided during the test. However, the same must be brought out in Hindi & other regional languages as per IS 8132:1999 (Reaffirmed 2004) for the guidance of users.

The following literature should be provided.

- Operator's Manual
- Parts catalogue

TESTING AUTHORITY

 Er. PRAMOD YADAV AGRICULTURAL ENGINEER	 Er. VIJAY KUMAR BADAYA SENIOR AGRICULTURAL ENGINEER
 Dr. P.P RAO DIRECTOR	

18. APPLICANT'S COMMENTS

We acknowledge the comments and observations mentioned in the reports and will inform R&D team to review and incorporate the necessary corrections.