

व्यावसायिक परीक्षण रिपोर्ट (प्रारंभिक)

COMMERCIAL TEST REPORT (INITIAL)

संख्या/No: H&HT/SRFMTTI,
ANANTAPUR/2025-26/05/05/1866

माह/Month: May, 2025

THIS TEST REPORT IS VALID UP TO 30.04.2032



TEXAS, BC358D 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 (आं. प्र.)

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

[An ISO 9001:2015 CERTIFIED INSTITUTE]

Website: <http://srfmtti.dacnet.nic.in/>

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H&HT/SRFMTTI, ANANTAPUR/2025-26/ 05/05/1866	TEXAS, BC358D BRUSH CUTTER THIS REPORT IS VALID UP TO 30.04.2032	COMMERCIAL (ICT)
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Manufacturer, (apa) : M/S. Texas A/S
Knullen 22, DK-5260, Odense, **Denmark.**

Name of Applicant : M/S. Farm And Garden Technologies pvt.
Ltd., (Subsidiary Company Of Texas A/S
Denmark). # 210, II Floor, Vipul Agora,
Sector-28, MG Road, Gurugram-122001
(Haryana), India.

TEXAS, BC358D BRUSH CUTTER

Report No.: H&HT/SRFMTTI,ANANTAPUR/2025-26/05/05/1866

Month: **May**

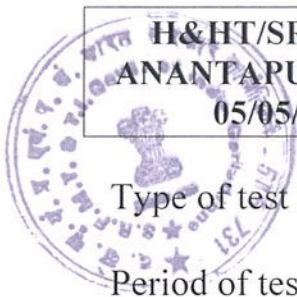
Year: **2025**



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	THIS REPORT IS VALID UP TO 30.04.2032	

Type of test : COMMERCIAL (ICT)

Period of test : April, 2025

Test Report No. : H&HT/SRFMTTI,ANANTAPUR/2025-26/05/05/1866

Month / Year of release : May, 2025

- 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 through virtual mode.
- 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 **"TEXAS, BC358D BRUSH CUTTER"**. This report is valid up to **30.04.2032, 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

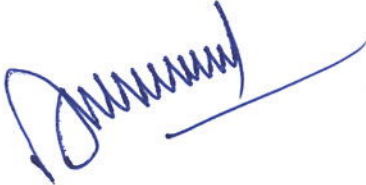





17. COMMENTS & RECOMMENDATIONS

- 17.1** The maximum power was observed as 0.94 kW under natural ambient condition against the declared value of 0.95 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 94 dB (A), which is on higher side, therefore 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 170 micron. This should be looked into for dampening the vibration.
- 17.6 Chemical analysis:**
The chemical analysis of Straight blade (3 teeth) and Circular disc are not as per requirement of the relevant code IS 6025:1982 (Reaffirmed 1999) & therefore it should be looked into for the corrective action.
- 17.7 Marking /labeling:**
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:
i) Name and address of the applicant
ii) Rated, (rpm)
iii) Specific fuel consumption, (g/kWh)
- 17.8 Adequacy of literature supplied with the machine:**
The Operator's manual cum parts catalogue of brush cutter and engine in English was 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.

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TESTING AUTHORITY

 Er. PRAMOD YADAV AGRICULTURAL ENGINEER	 Er. VIJAY KUMAR BADAYA SENIOR AGRICULTURAL ENGINEER
 Dr. B.M. NANDEDE DIRECTOR 	

18. APPLICANT COMMENTS

REFERENCE	APPLICANT COMMENTS
17.1	We will inform the same to our R & D team to look into it.
17.3	Will provide the same.
17.5	Will take corrective action to reduce the noise level at operators ear level.
17.6	Will take necessary steps to meet IS.
17.7	Will take necessary steps to incorporate all the data recommended.
17.8	Will be supplied all manuals according to IS.