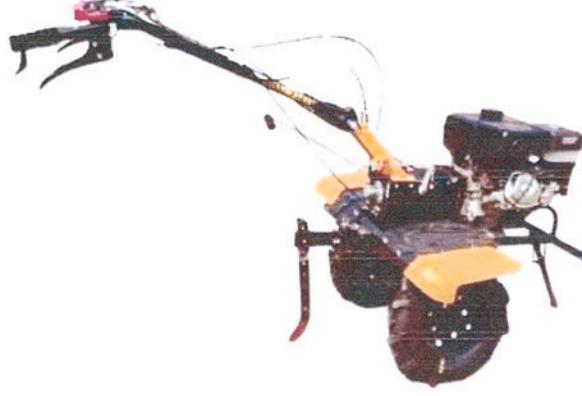


व्यावसायिक परीक्षण रिपोर्ट (प्रारंभिक)
COMMERCIAL TEST REPORT (INITIAL)

संख्या/No: ICE/SRFMTTI,
ANANTAPUR/2025-26/38/38/1956
माह/Month: December, 2025

THIS TEST REPORT IS VALID UP TO 30.11.2032



TEXAS, LILLI 932 TG POWER WEEDER



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, Garlandinne-515 731, District: Anantapur (A.P.)

[An ISO 9001:2015 CERTIFIED INSTITUTE]

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

E-mail: fmti-sr@nic.in



ICE/SRFMTTI, ANANTAPUR/2025-26/ 38/38/1956	TEXAS, LILLI 932 TG POWER WEEDER THIS TEST REPORT IS VALID UP TO 30.11.2032
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Manufacturer, (apa) : M/S. Texas A/S,
Knullen 22, Dk-5260, Odense S, Denmark.

Applicant : M/s. Farm and Garden Technologies Private Limited.,
(Subsidiary unit of Texas A/S Denmark) #210, Sector-
28, II floor, Vipul Agora, MG Road, Gurugram-122001
(Haryana).

TEXAS, LILLI 932 TG POWER WEEDER

Report no.: ICE/SRFMTTI, ANANTAPUR/2025-26/38/38/1956

Month: **December**

Year: **2025**

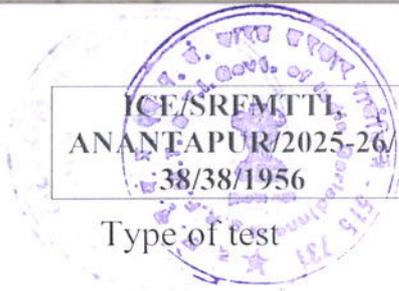


सत्यमेव जयते

Government of India
Ministry of Agriculture and Farmers Welfare
Department of Agriculture and Farmers Welfare
Southern Region Farm Machinery Training and Testing Institute
Tractor Nagar, Garladinne- 515 731, District: Anantapur (A.P.)
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ICE/SRFMTTI, ANANTAPUR/2025-26/ 38/38/1956	TEXAS, LILLI 932 TG POWER WEEDER	COMMERCIAL (ICT)
	THIS TEST REPORT IS VALID UP TO 30.11.2032	

Type of test : COMMERCIAL (ICT)
Period of test : August,2025 to October,2025
Test Report No. : ICE/SRFMTTI, ANANTAPUR/2025-26/38/38/1956
Month / Year of release : December, 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 anyway, 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 Power Weeder named “**TEXAS, LILLI 932 TGPOWER WEEDER**”. This report is valid up to **30.11.2032, Vide Ministry's O.M. No. 13-22/2020-M&T (I&P) dated 12.12.2023.**

SELECTED CONVERSIONS

Sl. 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

1	2	3	4	5
16	Hardness of blade, HRC	38 (Min.)	45 to 49	Conforms
17	Shape of rotor blade	C/J Shape	J shape	Conforms
18	Provision for handle height adjustment	Must be provided	Provided	Conforms
19	Provision for handle rotation	Must be provided	Provided	Provided
20	Provision for emergency stop of engine	Must be provided	Provided	Conforms
21	Provision for easy start of engine	Must be provided	Provided	Conforms
22	Depth control mechanism	Must be provided	Provided	Conforms
23	Provision for transport wheels	Must be provided	Provided	Conforms
24	Provision for cover on exhaust	Must be provided	Provided	Conforms
25	Direction of exhaust emission away from operator	Must be provided	Provided	Conforms
26	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 & SFC	Provided	Conforms
27	Literature	Operator manual, service manual and parts catalogue should be provided	Provided	Conforms

18. COMMENTS & RECOMMENDATIONS

18.1 Engine Performance:

- 18.1.1 The maximum power was observed as 5.92 kW under natural ambient condition against the declared value of 6.30 kW.
- 18.1.2 Specific fuel consumption of engine corresponding to maximum power was recorded as 400 g/kWh against the declared value of 420 g/kWh.
- 18.1.3 Back up torque of engine was observed as 6.10% against declared value of 10%.
- 18.1.4 Max. torque was observed as 16.33 Nm against the declared value of 18 Nm.

ICE/SRFMTTI, ANANTAPUR/2025-26/ 38/38/1956	TEXAS, LILLI 932 TG POWER WEEDER	COMMERCIAL (ICT)
	THIS TEST REPORT IS VALID UP TO 30.11.2032	

18.2 Mechanical vibration:

The amplitude of mechanical vibration on various assemblies of the Power weeder was observed to the extent of 747micron, which is on higher side. In view of the above, this should be given top priority for corrective action.

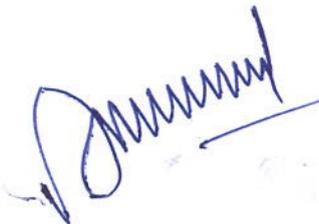
18.3 Hardness and Chemical analysis:

The Hardness and Chemical analysis of rotary blades does not conform to the requirement of IS 6690:1981 (Reaffirmed 2022). This should be looked into for corrective action.

18.4 Technical literature:

Operator’s manual, service manual and parts catalogue of power weeder in separate booklet were supplied for reference during the test. It is however, recommended that same may be revised in Hindi and other regional languages as per IS 8132: 1999 (Reaffirmed 2004) for the sake of user & technical personnels.

TESTING AUTHORITY

 Er. PRAMOD YADAV AGRICULTURAL ENGINEER	 Er. Y.K. RAO SENIOR AGRICULTURAL ENGINEER
  Dr. P.P. RAO DIRECTOR	

18. APPLICANT’S COMMENTS

Reference	Applicant's comments
18.1.1	Will inform our R & D team to look into it.
18.1.2	Will take necessary steps to correct it.
18.1.3	We will ask our R&D team to take corrective steps.
18.1.4	We will ask our R&D team to take corrective steps.
18.2	We will take this on top priority to reduce the vibration.
18.3	We will provide.