

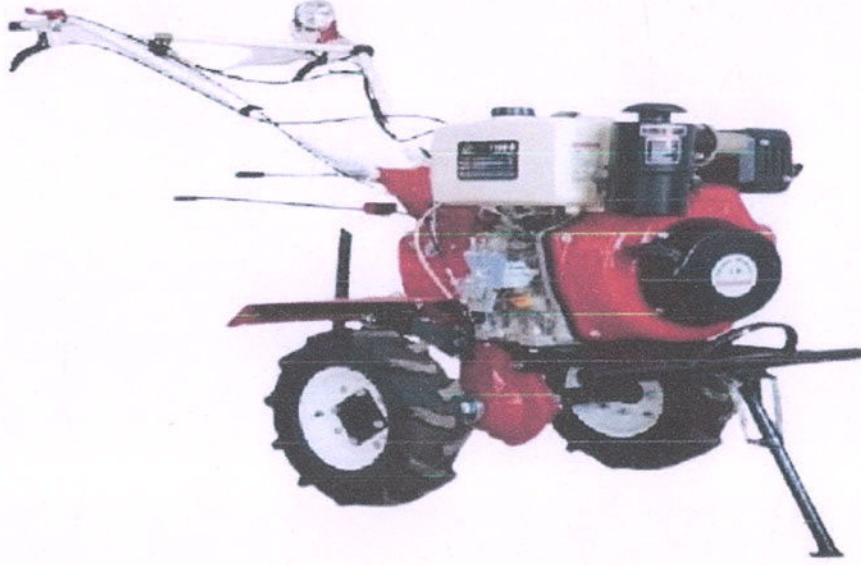
व्यावसायिक परीक्षण रिपोर्ट (प्रारंभिक)

COMMERCIAL TEST REPORT (INITIAL)

संख्या/No: Machine-729/1831

माह/Month: February, 2025

THIS TESTREPORT IS VALID UPTO 31.01.2032



LISHANTH, SR-1150D-PTO PLUS 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

ट्रेक्टर नगर, गार्लदिन्ने-515 731, जिला: अनंतपुर (आ. प्र.)

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

[An ISO 9001:2015 CERTIFIED INSTITUTE]

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Machine-
729/1831

LISHANTH, S R-1150 D-PTO PLUS POWER WEEDER

THIS TEST REPORT IS VALID UP TO 31.01.2032

COMMERCIAL
(ICT)

Manufacturer, (apa)

: M/s. Chongqing Senci Wugu Agricultural Machinery Import & Export Co. LTD., No. 8, Longfei Road, Dongcheeeeeng Street, Tongliang Town, Chongqing, **China**.

Applicant

: M/s. S.R. Farm Equipments, Sri Siddeswara Complex, Near Veerashaiva Choultry, JC Road, Tumakuru-527 101, Karnataka.

LISHANTH, S R-1150 D-PTO PLUS POWER WEEDER

Report no.: **Machine-729/1831**

Month: **February**

Year: **2025**



सत्यमेव जयते

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Ministry of Agriculture and Farmers Welfare

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Machine- 729/1831	LISHANTH, S R-1150 D-PTO PLUS POWER WEEDER	COMMERCIAL (ICT)
	THIS TEST REPORT IS VALID UP TO 31.01.2032	

Type of test : COMMERCIAL (ICT)

Period of test : December, 2024 to January, 2025

Test Report No. : Machine-729/1831

Month / Year of release : February, 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 noting 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 Power Weeder named "LISHANTH, S R-1150 D-PTO PLUS POWER WEEDER". This report is valid up to 31.01.2032, 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



Machine- 729/1831	LISHANTH, S R-1150 D-PTO PLUS POWER WEEDER	COMMERCIAL (ICT)
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18. COMMENTS & RECOMMENDATIONS

18.1 Engine Performance:

- 18.1.1 The maximum power was observed as 6.90 kW under natural ambient condition against the declared value of 6.7 kW.
- 18.1.2 Specific fuel consumption of engine corresponding to maximum power was recorded as 338 g/kWh against the declared value of 320 g/kWh.
- 18.1.3 Back up torque of engine was observed as 15.12 % against declared value of 10 %.
- 18.1.4 Max. torque was observed as 21.01 Nm against the declared value of 22 Nm.

18.2 Mechanical vibration:

The amplitude of mechanical vibration on various assemblies of the Power weeder was observed to the extent of 442 micron, which is on higher side. In view of the above, this should be given top priority for corrective action.

18.3 Chemical Composition:

The chemical 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 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:

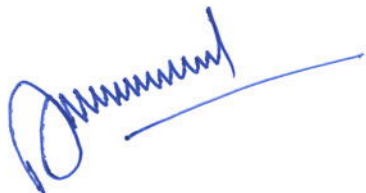



- i) Name and address of manufacturer
- ii) Country of origin
- iii) Engine hp
- iv) Rated RPM
- v) SFC

18.5 Technical literature:

User's manual, service catalogue, warranty certificate and parts catalogue of power weeder was provided for reference during the test. It is However, the same must be brought out in Hindi & other regional languages as per IS 8132:1999 (Reaffirmed 2004) for the guidance of users.

Machine- 729/1831	LISHANTH, S R-1150 D-PTO PLUS POWER WEEDER	COMMERCIAL (ICT)
	THIS TEST REPORT IS VALID UP TO 31.01.2032	

TESTING AUTHORITY

 <p>Er. PRAMOD YADAV AGRICULTURAL ENGINEER</p>	 <p>Er. VIJAY KUMAR BADAYA SENIOR AGRICULTURAL ENGINEER</p>
 <p>Dr. B.M. NANDEDE DIRECTOR</p> 	

19. APPLICANT COMMENTS

Reference	Comments
18.1.2 & 18.1.4	We will inform it to our manufacturer for making necessary possible changes in the machine.
18.2	We will insist strongly to the manufacturer to put some vibration Dampeners.
18.3	We will make some changes in blade material to meet the requirement of IS6690:1981 (Reaffirmed 2022).
18.4	Your suggestion is noted, we will modify the labelling plate of machine as per your recommendations.
18.5	We will brought out the literature as per IS 8132:1999 (Reaffirmed 2004)