

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

संख्या/No: Machine-407/1239  
माह/रुधMonth: December, 2020  
Validity: 30.11.2027



**S.R. AGRO TECH 3 HP CHAFF CUTTER**  
[Power Operated (Electric Motor)]



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.)

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

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Machine-407/1239	<b>S.R. AGRO TECH 3 HP CHAFF CUTTER</b> [Power Operated (Electric Motor)]	<b>COMMERCIAL</b> (ICT)
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Manufacturer : M/s. S.R. Agro Tech Manufacturers and Distributor for Agricultural Equipment's, 1<sup>st</sup> Main Road, Vinayaka Nagar, Tumakuru- 572 101, Karnataka, **India.**

Applicant : The Manufacturer

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Type of test : INITIAL COMMERCIAL TEST

Name of Machine : Chaff Cutter [Power Operated (Electric Motor)]

Period of test : 06.11.2020 to 24.12.2020

Test Report No. : Machine-407/1239

Month / Year : 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 is submitted by the applicant directly, hence method of selection is not known.
- iii) The results presented in this report do not in any way attribute to the durability of the machine.
- iv) This report should not be reproduced in part or full without prior permission of the Director, Southern Region Farm Machinery Training and Testing Institute, Garladinne, Anantapur (A.P.).
- v) This is a report on Commercial Test of Chaff Cutter named " S.R. Agro Tech Horizontal 3 HP Chaff Cutter [Power Operated (Electric Motor)]". **This report is valid up to 30.11.2027, Vide Ministry's order no. 13-24/2018-M&T (I&P) dated 19.09.2018.**

#### SELECTED CONVERSIONS

S. No	Units	Conversion Factor
<b>1</b>	<b>Force</b>	
	1 kgf	9.80665 N
		2.20462 lbf
<b>2</b>	<b>Power</b>	
	1 hp	1.01287 metric hp (Ps) 745.7 W
	1 Ps	725.5 W
	1 kW	1.25962 Ps
<b>2</b>	<b>Pressure</b>	
	1 psi	6.895 kPa
	1 kgf/cm <sup>2</sup>	98.067 kPa = 725.56 mm of Hg
	1 bar	100 kPa = 10 N/cm <sup>2</sup>
	1 mm of Hg	1.2222 m-bar

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12.3 Chemical composition of blade are not conforming the IS 1511:1979 (Reaffirmed 2012). This should be looked into for corrective action.

12.4 The following dimensions of chute for electric motor operated chaff cutter are not conforming to the recommendations of Dangerous Machine (Regulation) Rules, 2007 and needs to be looked into.



S. No.	Description	Observation	Remarks
i)	Provision for changing the angle of placement of trough shall be made.	Not provided	Does not conform
ii)	At the rear side of the trough a support shall be made.	Not provided	Does not conform
iii)	The trough on the shear plate side shall be covered up to a length of 450 mm min.	Not covered	Does not conform
iv)	The total length shall be min. of 900 mm.	635	Does not conform

12.5 The provided labeling plate should be as per the requirement IS.

12.6 Adequacy of literature supplied with the machine:

Operation, Service, Maintenance manual cum part catalogue of chaff cutter in English was provided in a single booklet form for reference during the test. It is however, recommended that same may be revised and brought out in Hindi & other regional languages as per IS 8132:1999 (Reaffirmed 2004) for the sake of user & technical personnel.

**TESTING AUTHORITY:**

B.N. DIXIT AGRICULTURAL ENGINEER	
Dr. P.P. RAO DIRECTOR	

**13. APPLICANT'S COMMENTS**

No specific comment was received from applicant.

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