

THIS TEST REPORT IS VALID UPTO 31.03.2031



**REALLY, RAPL- CC - 9Z -1.0 CHAFF CUTTER
(Electrical Motor Operated)**



भारत सरकार

Government of India

कृषि एवं किसान कल्याण मंत्रालय

Ministry of Agriculture and Farmers Welfare

कृषि 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

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

[An ISO 9001:2015 CERTIFIED INSTITUTION]

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Machine- 555/1604	REALLY, RAPL- CC - 9Z -1.0 CHAFF CUTTER (Electrical Motor Operated)	COMMERCIAL (ICT)
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Manufacturer, (apa) : M/s. Sichuan Xudong Machinery Manufacture Co. Ltd,
Add: No.106 Xiwang Avenue, Jingyan County, Leshan
City, Sichuan Province, **China**

Applicant : M/S. Really Agritech Private Limited,
Building No D/3, Unit No: 13 & 14, Angel Compound,
Mumbai-Nashik Highway NH 3, Village Pimpalas,
Bhiwandi, Thane -421311, MH. India

**REALLY, RAPL- CC - 9Z -1.0 CHAFF CUTTER
(Electrical Motor Operated)**

Report No.: **Machine-555/1604**

Month: **April**

Year: **2024**



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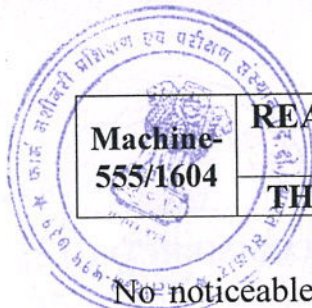
Machine-555/1604	REALLY, RAPL- CC - 9Z -1.0 CHAFF CUTTER (Electrical Motor Operated)	COMMERCIAL (ICT)
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Type of test : COMMERCIAL (ICT)
 Name of Machine : Chaff Cutter
 Period of test : 09.01.2024 to 27.01.2024
 Test Report No. : **Machine-555/1604**
 Month / Year of release : April, 2024

- 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 Chaff Cutter named "REALLY, RAPL- CC - 9Z -1.0 CHAFF CUTTER (Electric Motor Operated)". This report is valid up to 31.03.2031, 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



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10. EASE OF OPERATION & ADJUSTMENTS

No noticeable difficulty was observed during the operation and adjustment of the machine. According to following work rest cycle as follows.

2 hours work → 15 minutes rest → 1.5-hour work → 15 minutes rest → so on.

11. DEFECTS, BREAKDOWNS AND REPAIRS

No defects & breakdowns were observed during the entire test.

12. SUMMARY OF OBSERVATION, COMMENTS & RECOMMENDATIONS

- 12.1 Following modifications/improvements, being safety requirement, are required to be made to develop the chaff cutter as conforming to IS 15542:2005.
- 12.1.1 Cautionary notice as per IS 15542:2005 shall be written in vernacular language at suitable places on the machines.
- 12.1.2 Manufacturer should also declare the rated input capacity of chaff cutter.
- 12.2 Blade should be marked with size code and thickness as per IS 11459 :1985 (Reaffirmed 2012).
- 12.3 The specifications of blades does not conform to the requirements of IS 1511 : 1979 (Reaffirmed 2012). This should be looked into for corrective action.
- 12.4 Only carbon content of blades does not conform the requirement of IS 1511:1979 (Reaffirmed 2012). Therefore, this should be looked into for corrective action.
- 12.5 **This machine does not meet in full the requirement of IS 11459:1985 (Reaffirmed 2012), IS 1511:1979 (Reaffirmed 2012) and IS 15542:2005. This maybe looked into for corrective action.**
- 12.6 **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

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iii)	The trough on the shear plate side shall be covered up to a length of 450 mm min.	390	Does not conform
iv)	The total length shall be min. of 900 mm.	620	Does not conform

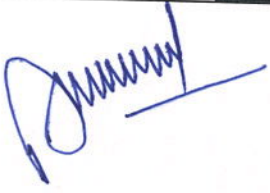

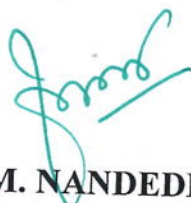
12.7 The labeling plate does not reveal all the required information. It is therefore recommended that a suitable labeling plate covering all essential components, inter alia, the following must be provided:

- i) Manufacturer name and or recognized trade mark.
- ii) Power rating, kW.
- iii) Recommended rpm on fly-wheel or cylinder.

12.8 Adequacy of literature supplied with the machine:

Operation manual of chaff cutter is not provided for reference during the test. The parts catalogue & operator manual must be brought out along with operation manual in Hindi and other regional languages as per IS 8132:1999 (Reaffirmed 2004) for the sake of user & technical personnel.

TESTING AUTHORITY

 Er. PRAMOD YADAV AGRICULTURAL ENGINEER	 Er. P. KAMALABAI SENIOR AGRICULTURAL ENGINEER
 Dr. B.M. NANDEDE DIRECTOR	
