

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

संख्याधNo: Machine-404/1236
माहधMonth: December, 2020
Validity: 30.11.2027



**MAHARASHTRA ENGINEERING WORKS CC-CS
CHAFF CUTTER CUM SHREDDER (Tractor PTO Operated)**



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.)

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Machine-404/1236	MAHARASHTRA ENGINEERING WORKS CC-CS CHAFF CUTTER CUM SHREDDER (Tractor PTO Operated)	COMMERCIAL (ICT)
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Manufacturer : M/s. Maharashtra Engineering works,
Bodwad Road, Malkapur-443 101,
Dist-Buldhana, Maharashtra, India.

Applicant : The Manufacturer

**MAHARASHTRA ENGINEERING WORKS CC-CS
CHAFF CUTTER CUM SHREDDER (Tractor PTO Operated)**

Report No.: Machine-404/1236 Month: December Year: 2020



**Government of India
Ministry of Agriculture and Farmers Welfare
Department of Agriculture, Cooperation and Farmers Welfare
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Type of test : INTIAL COMMERCIAL TEST
Name of Machine : Chaff Cutter cum Shredder (Tractor PTO Operated)
Period of test : 27.10.2020 to 28.12.2020
Test Report No. : Machine-404/1236
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 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 “Maharashtra Engineering Works CC-CS Chaff Cutter cum Shredder (Tractor PTO Operated)”. **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
1	Force	
	1 kgf	9.80665 N
		2.20462 lbf
2	Power	
	1 hp	1.01287 metric hp (Ps) 745.7 W
	1 Ps	725.5 W
	1 Kw	1.25962 Ps
3	Pressure	
	1 psi	6.895 kPa
	1 kgf/cm ²	98.067 kPa = 725.56 mm of Hg
	1 bar	100 kPa = 10 N/cm ²
	1 mm of Hg	1.2222 m-bar

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IS 1511:1979 (Reaffirmed 2012). This should be taken care for corrective action.

12.5 PIC & PIC yoke of standard six splines should be provided as the provided one is of 10 splines.

12.6 Though the guard is provided on cutter head assembly, however, it is suggested to provide one or more guard on main drive belt and pulley as safety concern.

12.7 Most of the parameters of this machine are conforming to the requirement of IS 11459:1985 (Reaffirmed 2012).

12.8


S. No.	Description	Observation	Remarks
i)	Feeding conveyor in chaff cutter should be covered up to a min. length of 450 mm	Covered up to 395	Does not conform

12.9 The labeling plate should be provided as per the requirements of IS.

12.10 **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. However, this may be brought out in Hindi and other regional languages as per IS 8132:1999 (Reaffirmed 2004) to facilitate the user & technical personnel.

TESTING AUTHORITY:

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