

THIS TEST REPORT IS VALID UPTO 31.08.2031



AUTOCRACY MACHINERY, RUDRA INFIELDER 5.5T



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 (आं. प्र.)

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

[An ISO 9001:2015 CERTIFIED INSTITUTE]

IMP-402/1720	AUTOCRACY MACHINERY, RUDRA INFILDER 5.5T	COMMERCIAL (ICT)
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Manufacturer, (apa)** : M/s. Autocracy Machinery Pvt. Ltd,
plot no. 72/A, IDA, Phase-1, Lane-3,
Cherlapally, Medchal (Dt), Telangana-
500051.

Applicant : The Manufacturer.

AUTOCRACY MACHINERY, RUDRA INFILDER 5.5T

Report no.: IMP-402/1720

Month: September

Year:2024



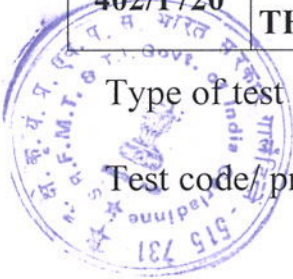
सत्यमेव जयते

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IMP-402/1720	AUTOCRACY MACHINERY, RUDRA INFIELDER 5.5T	COMMERCIAL (ICT)
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Type of test : COMMERCIAL (ICT)

Test code/ procedure : IS: 5994:2022 & as agreed between applicant & testing authority.

Period of test : 26.08. 2024 to 20.09.2024


Test Report No. : IMP-402/1720

Month / Year of release : September, 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.
- 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 Tractor mounted infielder named "AUTOCRACY MACHINERY, RUDRA INFIELDER 5.5T". This report is valid up to 31.08.2031, 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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13. LABELING PLATE OF INFIELDER

The labeling plate is provided with the information of manufacturer details, make, model, serial number, prime mover and year of manufacture.

14. TIME REQUIRED FOR DAILY MAINTENANCE

The average labour required for daily maintenance was approximately one-man hour.

15. DEFECTS, ADJUSTMENTS, BREAKDOWNS AND REPAIRS

No noticeable defects and breakdown were observed during the test.

16. SUMMARY OF OBSERVATIONS, COMMENTS AND RECOMMENDATIONS

- 16.1** Slow moving vehicle emblem was not provided on the machine. It should be provided at rear side of the machine.
- 16.2** The machine is designed to use for collecting sugarcane billets from the sugarcane harvester and unloading the billets in to the transport vehicle. It is not for general use on the road for transportation.
- 16.3** Door lock to be provided to the maintenance door on the bucket to keep it close while working.

17. TECHNICAL LITERATURE




The following literatures were supplied by the applicant

- i) Operator's Manual
- ii) Service Manual
- iii) Parts catalogue

However, the manual needs to be updated as per IS:8132-1999

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TESTING AUTHORITY

Er. PRAMOD YADAV AGRICULTURAL ENGINEER	
Dr. B.M. NANDEDE DIRECTOR	 

18. APPLICANT COMMENTS

We accept the comments and recommendations provided, and we will take action for further production.

ANNEXURE-I

INFIELDER RUN HOURS DURING TEST

A.	LABORATORY TESTS:	HOURS
1	Running in	1.00
2	Hydraulic lifting test	9.00
3	Turing ability test	1.50
4	Brake performance test	1.25
5	Vibration measurement test	0.50
6	Noise measurement test	0.50
7	Hydraulic pump performance test	0.25
8	Hydraulic relief valve opening pressure test	0.25
9	Maintenance of load test	0.50
10	Field test	26.00
	TOTAL	40.75