

व्यावसायिक परीक्षण रिपोर्ट (प्रारंभिक)

COMMERCIAL TEST REPORT (INITIAL)

संख्या/No: ICE/SRFMTTI,
ANANTAPUR/2025 -26/31/31/1926

माह/Month: September, 2025

THIS TEST REPORT IS VALID UP TO 31.08.2032



KISANKRAFT, KK-IC-333P 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


ट्रैक्टर नगर, गार्लदिन्ने-515 731, जिला: अनंतपुर (आं. प्र.)

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

[An ISO 9001:2015 CERTIFIED INSTITUTE]

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ICE/SRFMTTI, ANANTAPUR/2025 -26/ 31/31/1926	KISANKRAFT, KK-IC-333P POWER WEEDER THIS TEST REPORT IS VALID UP TO 31.08.2032	
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Manufacturer, (apa) : M/s. Weima Agricultural Machinery Co. Ltd,
Address- Area-B, Luohaung Industry,
Jiangjin, District- Chongqing, **China**.

Applicant : M/s. KISANKRAFT LIMITED,
Sri Huchhanna Tower #4, 1st Main, 7-A
Cross, Maruthi Layout, Dasarahalli, HAF
Post, Hebbal, Bengaluru, 560024, Karnataka,
India.

KISANKRAFT, KK-IC-333P POWER WEEDER

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सत्यमेव जयते

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ICE/SRFMTTI,
ANANTAPUR/2025 -26/
31/31/1926

KISANKRAFT, KK-IC-333P
POWER WEEDER
THIS TEST REPORT IS VALID UP TO
31.08.2032

COMMERCIAL
(ICT)

Type of test : COMMERCIAL (ICT)

Period of test : July, 2025 to August, 2025

Test Report No. : ICE/SRFMTTI, ANANTAPUR/2025 -26/31/31/1926

Month / Year of release : September, 2025

- 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 anyway, 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 Power Weeder named “KISANKRAFT, KK-IC-333P POWER WEEDER”. This report is valid up to 31.08.2032, Vide Ministry's O.M. No. 13-22/2020-M&T (I&P) dated 12.12.2023.

SELECTED CONVERSIONS

Sl. 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



ICE/SRFMTTI, ANANTAPUR/2025 -26/ 34/31/1926		KISANKRAFT, KK-IC-333P POWER WEEDER THIS TEST REPORT IS VALID UP TO 31.08.2032		COMMERCIAL (ICT)
1	2	3	4	5
20	Provision for emergency stop of engine	Must be provided	Provided	Conforms
21	Provision for easy start of engine	Must be provided	Provided	Conforms
22	Depth control mechanism	Must be provided	Provided	Conforms
23	Provision for transport wheels	Must be provided	Provided	Conforms
24	Provision for cover on exhaust	Must be provided	Provided	Conforms
25	Direction of exhaust emission away from operator	Must be provided	Provided	Conforms
26	Marking/labeling of machine	The labeling plate should be riveted on the body of the machine having name and address of manufacturer & applicant, country of origin, make, model, year of manufacturer, serial number, engine number, engine HP, rated rpm & SFC	Name & address of the Manufacturer, and Rated RPM are not provided.	Does not conform
27	Literature	Operator manual, service manual and parts catalogue should be provided	Provided	Conforms

18. COMMENTS & RECOMMENDATIONS

18.1 Engine Performance:

- 18.1.1 The maximum power was observed as 4.66 kW under natural ambient condition against the declared value of 5.3 kW.
- 18.1.2 Specific fuel consumption of engine corresponding to maximum power was recorded as 384 g/kWh against the declared value of 375 g/kWh.
- 18.1.3 Back up torque of engine was observed as 5.77 % against declared value of 5%.
- 18.1.4 Max. torque was observed as 12.84 Nm against the declared value of 11.90 Nm.

18.2 Mechanical vibration:

The amplitude of mechanical vibration on various assemblies of the Power weeder was observed to the extent of 384 micron, which is on higher side. In view of the above, this should be given top priority for corrective action.

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18.3 Air cleaner oil pullover

The percentage of air cleaner oil pull over was recorded as 0.28 to 0.84 % against the declaration of 0.20%. The percentage of air cleaner oil pull over was considered very high and this should be looked into for corrective action.

18.4 Hardness and Chemical analysis:

The Hardness and Chemical analysis of rotary blades does not conform to the requirement of IS 6690:1981 (Reaffirmed 2022). This should be looked into for corrective action.

18.5 Marking /labeling:


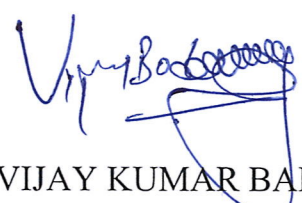


The labeling plate does not reveal all the required information. It is therefore recommended that a suitable labeling plate covering all essential components, interlaid, the following must be provided:

- Name & address of the Manufacturer
- Rated RPM

18.6 Technical literature:

Operator's manual, service manual and parts catalogue of power weeder in separate booklet were supplied for reference during the test. It is however, recommended that same may be revised in Hindi and other regional languages as per IS 8132: 1999 (Reaffirmed 2004) for the sake of user & technical personnels.

TESTING AUTHORITY

 Er. PRAMOD YADAV AGRICULTURAL ENGINEER	 Er. VIJAY KUMAR BADAYA SENIOR AGRICULTURAL ENGINEER
	 Dr. P.P. RAO DIRECTOR

19. APPLICANT'S COMMENTS

Sl. No.	Para No.	Comments
1	18.1 to 18.6	We will take corrective action against the same.

SOUTHERN REGION FARM MACHINERY TRAINING & TESTING INSTITUTE, ANANTAPUR (A.P.)	Page 28 of 29
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