

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

संख्या/No: Machine-693/1785

माह/Month: December, 2024

THIS TEST REPORT IS VALID UPTO 30.11.2031



KISANKRAFT, KK-PPDE-71 POST HOLE DIGGER



सत्यमेव जयते

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]

Website: <http://srfmtti.dacnet.nic.in/>

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Machine- 693/1785	KISANKRAFT, KK-PPDE-71 POST HOLE DIGGER	COMMERCIAL (ICT)
	THIS TEST REPORT IS VALID UPTO 30.11.2031	

Manufacturer, (apa) : M/s. Yongkang Xingyue Imp & Exp Co.
Ltd. Huangtang Industrial Zone, Dong
Cheng District, Yongkang City,
Zhejiang province, **China.**

Applicant : M/s. KisanKraft Limited, Sri Huchhanna
Tower, No 4, 1st Main, 7-A Cross,
Maruthi Layout, Dasarahalli, HAF Post,
Hebbal, Bangalore-560024.

KISANKRAFT, KK-PPDE-71 POST HOLE DIGGER

Report No.: **Machine-693/1785**

Month: **December**

Year: **2024**

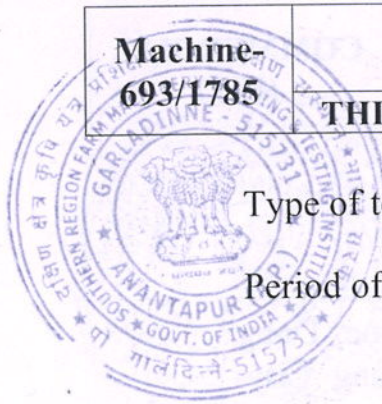


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Machine-
693/1785

**KISANKRAFT, KK-PPDE-71 POST
HOLE DIGGER**

**COMMERCIAL
(ICT)**

THIS TEST REPORT IS VALID UPTO 30.11.2031

Type of test : COMMERCIAL (ICT)

Period of test : February, 2024 to December, 2024
Total 8 month of delay occur from
applicant due to non-supply of spare parts
(coupling assembly of engine for 4kWAC
absorption dynamometer).

Test Report No. : **Machine-693/1785**

Month / Year : December, 2024

- i) The results reported in this report are observed values and no corrections have been applied for atmospheric and site conditions.
- ii) The test sample was selected randomly 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 Post Hole Digger named "**KISANKRAFT, KK-PPDE-71 Post Hole Digger**" This report is valid up to **30.11.2031**, 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

Machine-
693/1785

**KISANKRAFT, KK-PPDE-71 POST
HOLE DIGGER**

**COMMERCIAL
(ICT)**

THIS TEST REPORT IS VALID UPTO 30.11.2031

16. CRITICAL TECHNICAL SPECIFICATIONS

S.N.	Parameters	Specification	Observed	Conformity
1	Power source	Tractor mounted	Engine operated	Does not conform
2	Material of main frame	Mild Steel	Mild Steel	Conforms
3	Thickness of beveled edge, (mm)	5 (Min.)	4.5	Does not conform
4	Augur diameter, mm	150-900	250	Conforms
5	Material of balde	High carbon steel EN42j or any higher grade	Mild steel	Conforms
6	Provision for parking stand	Must be provided	Not provided	Does not conform
7	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	Address of manufacturer Country of origin Specific fuel consumption (g/kWh).	Does not conform
8	Literature	Operator manual, service manual and parts catalogue should be provided	Provided	Conforms

17. COMMENTS & RECOMMENDATIONS

17.1 Engine Performance:

17.1.1 The maximum power was observed as 1.86 kW under natural ambient condition against the declared value of 2.23 kW.

17.2 The auger bit should be removable but it is welded to augur attachment. Whereas, for easy repair and replacement, it should be detachable type.

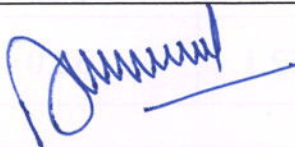
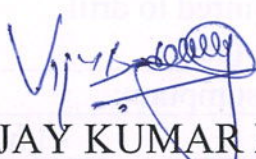

17.3 A fuel on/off knob may be considered for providing in the fuel system of engine.

17.4 The safety gadgets as mentioned in **Para 4.0**, were provided by the applicant during the test.

Machine- 693/1785	KISANKRAFT, KK-PPDE-71 POST HOLE DIGGER	COMMERCIAL (ICT)
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- 17.5** Transmission drive safety provision in the Post hole digger is not provided, whereas it is essential from the safety point of view. Therefore, it must be provided in the future product.
- 17.6 Hardness and chemical composition:**
Hardness and chemical composition of the augur blade and augur tip are not as per requirement of the relevant code IS 6690:1981 (Reaffirmed 2012) & therefore it should be looked into for the corrective action.
- 17.7 Labeling Plate**
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:
- Address of manufacturer
 - Country of origin
 - Specific fuel consumption (g/kWh)
- 17.8 Technical literature:**
User's manual cum parts catalogue provided but not in booklet form for reference during the test. It is recommended that same must be revised in booklet form and brought out in Hindi & other regional languages as per IS 8132:1999 (Reaffirmed 2004) for the sake of user & technical personnel in booklet form.

TESTING AUTHORITY

 Er. PRAMOD YADAV AGRICULTURAL ENGINEER	 Er. VIJAY KUMAR BADAYA SENIOR AGRICULTURAL ENGINEER
 Dr. B.M. NANDEDE DIRECTOR	



18. APPLICANT COMMENTS

Sl.no.	Para No.	Comments
1	17.1 to 17.8	We will take corrective action against the same.