

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

संख्या / No: PT-131/1081
माह / Month: October, 2019
Validity: 30.09.2022



KISANKRAFT KK - PTDE - 16110 POWER TILLER



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.)

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

[An ISO 9001:2015 CERTIFIED INSTITUTE]

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PT- 131/1081	KISANKRAFT KK-PTDE-16110 POWER TILLER	COMMERCIAL (ICT)
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Manufacturer : M/s. Changzhou Machinery and Equipment Imp. & Exp. Co. Ltd., #29, N, Huaide Road, Changzhou, No. 62, Jiangsu, **China**.

Applicant : M/s. KisanKraft Limited, Sri Hucchanna Tower, # 4 1st Main 7A Cross, Maruthi Layout, Dasarahalli, H.A.F. Post, Hebbal, Bengaluru, Karnataka - 560 024, **India**.

Indigenous/ Imported : **Imported**

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18.17.6.3	On partial dismantling of the power tiller and inspection of the oil lubricants from engine sump, clutch assembly, gear box, chain case, and rotary shaft housing, no entry of mud and/water was observed.	
18.17.7	Rotary blades:	
	i) The hourly rate of wear of blades for dry land and wet land operations was observed as 0.03 to 0.09 percent and 0.05 to 0.14 percent respectively.	
	ii) All the constituents of chemical composition except Carbon and Silicon content of straight blade and carbon content of hatchet blade conforms to IS 6690:1981 (Reaffirmed 2012).	
	iii) The dimensions of straight & hatchet blades does not conforms fully to the requirement of IS 6690:1981 (Reaffirmed 2012).	
	iv) The hardness of straight and hatchet blades were conforming to the requirement of IS 6690:1981 (Reaffirmed 2012).	
18.17.8	As per IS 12239 (Part 3): 1988, “maximum safe speed” with trailer is required to be specified by the manufacturer. Necessary action may be taken in this regard.	
18.17.9	As per IS 12239 (Part 3): 1988, balancing mass to be added to achieve correct weight balance of the power tiller with various attachments should be recommended by the manufacturer in the operator manual. This may be examined for compliance.	
18.17.10	Provision of spark arresting device may be considered for incorporation in the exhaust system.	
18.17.11	Provided metallic labeling plates should be as per IS 10273:1987.	
18.17.12	It is recommended that the tire should have the “marking” as per clause 8 of IS13154:1991.	
18.17.13	The handle grip does not meet the requirement of IS11858:1986. This may be looked into for compliance.	
18.17.14	The discard limits of the engine components need to be specified in the printed manual along with brief specification of the machine.	
18.17.15	It was noticed that there is ambiguity of declaration of service schedule / oil change period as specified in specification of power tiller submitted by applicant and operation / maintenance manual.	

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18.18 Adequacy of literature supplied with the machine:

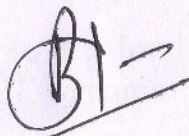
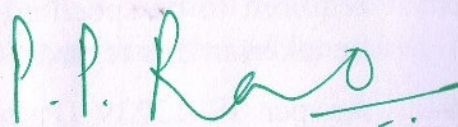
The following literature was supplied with the test sample for reference during the test :

User manual, service manual and parts catalogue for power tiller and engine in English in a combined booklet.

However, it is recommended that the same may be brought out in accordance with IS8132:1999 (Reaffirmed 2004) with inclusion of, inter alia, the following: -

-Fuel saving tips

TESTING AUTHORITY:

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

19. APPLICANT COMMENTS

Para No.	Our reference	Applicant's comments
19.1	18.7.3	The suggestions are noted and we will talk with our principal manufacturer to reduce the mechanical vibration.
19.2	18.7.4	The suggestions are noted and we will talk with our principal manufacturer to reduce the noise of machine
19.3	18.7.7 (ii, iii & iv)	We will make all possible necessary changes in material of blade
19.4	18.17.8	We will take necessary changes in future products
19.5	18.17.9	We will take necessary changes in future products
19.6	18.17.10	We will take necessary changes in future products
19.7	18.17.11	We will provide for future products
19.8	18.17.12	We will take necessary changes in future products
19.9	18.17.13	We will take necessary changes in future products
19.10	18.17.14	We will take necessary changes in future products
19.11	18.17.15	We will take necessary changes in future products
19.12	18.19	We will brought out the literature in future production.