

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

संख्याNo: Machine-475/1478
माहMonth: February, 2023
Validity: 31.01.2028



POWER WEEDER
VIJAY KRUSHI AVAJARE VKA/PW9000



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]

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Tele : 08551-286441

Machine- 475/1478	POWER WEEDER VIJAY KRUSHI AVAJARE VKA/PW9000	COMMERCIAL (ICT)
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Manufacturer(apa) : M/s Vijay Krushi Avajare,
H.No.1993, Gat No.721,
Jay Sangali Naka to Takawade Road,
Takawade-416121, Tal.Shirol,
Dist.Kolhapur, Maharashtra - India.

Applicant : M/s Vijay Krushi Avajare,
H.No.1993, Gat No.721,
Jay Sangali Naka to Takawade Road,
Takawade-416121, Tal.Shirol,
Dist.Kolhapur, Maharashtra - India.

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TEST REPORT IS VALID UPTO 31/01/2028		

17. COMMENTS & RECOMMENDATIONS

17.1 Engine Performance:

17.1.1 The maximum power and rated power were observed as 6.4 kW under natural ambient condition against the declared value of 6.3 kW.

17.1.2 Specific fuel consumption of engine corresponding to maximum power was recorded as 298 g/kWh against the declared value of 380g/kWh.



17.1.3 Max. Torque was observed as 24.50 Nm against the declared value of 15.0 ± 5% Nm.

17.1.4 Back up torque of engine was observed as 7.23%, against the declared value of 10%. This should be looked into for corrective action.

17.3 The amplitude of mechanical vibration on most of the assemblies of the Power Weeder was observed up to the maximum extent of 395* microns, which is on higher side. Therefore corrective action to reduce the vibration should be taken.

17.4 The hardness of rotary blades does not conform to the requirement of IS 6690:1981 (Reaffirmed 2017). This should be looked into for corrective action.

TESTING AUTHORITY

D.C.MOULI AGRICULTURAL ENGINEER	
P.KAMALABAI SENIOR AGRICULTURAL ENGINEER DIRECTOR/(I/C)	

18. APPLICANT'S COMMENTS

S.NO	Para no	Comments
1	17.1.4	We will take corrective action in future production level
2	17.6	We will take necessary action in future production
3	17.4	We will take necessary action against this issue

