

व्यावसायिकपरीक्षणरिपोर्ट (प्रारंभिक)
COMMERCIAL TEST REPORT
(INITIAL)

संख्याNo: Machine-486/1489
माहMonth: April, 2023
Validity: 31.03.2028

TEST REPORT IS VALID UPTO 31/03/2028



VENUS VIS 9000 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.)

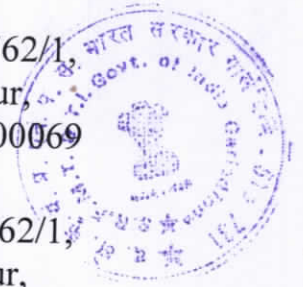
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Website: <http://srfmtti.dacnet.nic.in/>

Machine- 486/1489	POWER WEEDER VENUS VIS 9000	COMMERCIAL ICT
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Manufacturer(apa) : M/s Venus Industries, survey No. 762/1,
vazhuthalam pedu Road, Kundrathur,
Sriperambudur taluk, Tamilnadu-600069
- India.

Applicant : M/s Venus Industries, survey No. 762/1,
vazhuthalam pedu Road, Kundrathur,
Sriperambudur taluk, Tamilnadu-600069
- India.



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सत्यमेव जयते

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[An ISO 9001:2015 CERTIFIED INSTITUTION]

Telephone: 08551-286441

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

E-mail: fmti-sr@nic.in

Machine- 4861489	POWER WEEDER VENUS VIS 9000	COMMERCIAL ICT
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- 17.1.2 Specific fuel consumption of engine corresponding to maximum power was recorded as 267 g/kWh against the declared value of 320g/kWh.
- 17.1.3 Max. Torque was observed as 22.17Nm against the declared value of 18.5 ± 5% Nm.
- 17.1.4 Back up torque of engine was observed as 26.68%, 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 447* 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.
- 17.7 One skilled operator can operate the machine continuously for about two hours only. Hence, two skilled operators are required to operate the machine continuously.

TESTING AUTHORITY

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

18. APPLICANT'S COMMENTS

SI No.	Our Ref. No.	Applicants comments
1	17.1.4	This will take corrective action in future production.
2	17.3	We will provide any type of provision for reducing the mechanical vibration.
3	17.4	We will take necessary action to increase the hardness of blades.