

**THIS TEST REPORT IS VALID UP TO 31.05.2031**



**FARMERS WING, FW-350 BRUSH CUTTER**



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/>

Machine- 587/1644	FARMERS WING, FW-350 BRUSH CUTTER	COMMERCIAL (ICT)
	THIS REPORT IS VALID UP TO 31.05.2031	

Manufacturer, (apa) : M/s. Sri Venkateshwara Enterprises, Kadikal Post  
Office, Ground Floor 01, SVE Agri Towers,  
Unnamed Road, Mathuru, Shivamogga,  
Karnataka-577203.

Name of Applicant : The manufacturer



### FARMERS WING, FW-350 BRUSH CUTTER

Report No.: Machine-587/1644

Month: June

Year: 2024



**Government of India**  
**Ministry of Agriculture and Farmers Welfare**  
**Department of Agriculture and Farmers Welfare**  
**Southern Region Farm Machinery Training and Testing Institute**  
**Tractor Nagar, Garladinne-515 731, District: Anantapur (A.P.)**  
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Machine- 587/1644	FARMERS WING, FW-350 BRUSH CUTTER	COMMERCIAL (ICT)
	THIS REPORT IS VALID UP TO 31.05.2031	
Type of test	:	COMMERCIAL (ICT)
Period of test	:	January, 2024 to June, 2024
Test Report No.	:	Machine-587/1644
Month / Year of release	:	June, 2024

- 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 .
- 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 Brush Cutter named **“FARMERS WING, FW-350 BRUSH CUTTER”**. This report is valid up to **31.05.2031**, Vide Ministry’s O.M. No. 13-22/2020-M&T (I&P) dated **12.12.2023**

### SELECTED CONVERSIONS



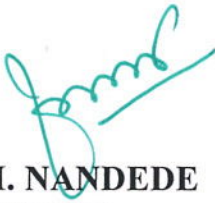
S. No.	Units	Conversion Factor
1	<b>Force</b>	
	1 kgf	9.80665 N
		2.20462 lbf
2	<b>Power</b>	
	1 hp	1.01387 metric hp (Ps)
		745.7 W
	1 Ps	735.5 W
	1 Kw	1.35962 Ps
3	<b>Pressure</b>	
	1 psi	6.895 kPa
	1 kgf/cm <sup>2</sup>	98.067 kPa = 735.56 mm of Hg
	1 bar	100 kPa = 10 N/cm <sup>2</sup>
	1 mm of Hg	1.3332 m-bar

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### 16. COMMENTS & RECOMMENDATIONS

- 16.1 The maximum power was observed as 0.9 kW under natural ambient condition against the declared value of 1.3 kW.
- 16.2 The safety provisions, as mentioned at para 5.14, have been provided by the applicant for safety aspect of operators.
- 16.3 Max. Noise at operator's ear level was observed as 97 dB (A), which is on higher side, therefore suitable corrective action should be taken to reduce the noise level.
- 16.4 The equivalent mechanical vibration on engine cover was observed to the extent of 162 micron. This should be looked into for dampening the vibration.
- 16.5 A fuel on/off knob may be considered for providing in the fuel system of engine.
- 16.6 The chemical composition of straight blade and circular disc blade are not as per requirement of the relevant code IS 6690:1981 (Reaffirmed 2012) & therefore it should be looked into for the corrective action.
- 16.7 The hardness of circular disc blade is not as per requirement of the relevant code IS 6690:1981 (Reaffirmed 2012) & therefore it should be looked into for the corrective action.
- 16.8 Adequacy of literature supplied with the machine:**  
The Operator's manual cum parts catalogue of brush cutter and engine in English was supplied with the brush cutter for reference during the test. It is however, recommended that same may be revised and brought out as per IS: 8132- 1999 (Reaffirmed 2004) for the sake of user & technical personnel.

### TESTING AUTHORITY

 Er. PRAMOD YADAV AGRICULTURAL ENGINEER	 Er. P. KAMALABAI SENIOR AGRICULTURAL ENGINEER
 Dr. B.M. NANDEDE DIRECTOR	



### 19. APPLICANTS COMMENTS

We consider your comments & recommendations seriously & with immediate effect we inform our production & marketing team to take corrective actions before dispatch.