

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

संख्या/No: Machine-682/1760  
माह/Month: November, 2024

**THIS TEST REPORT IS VALID UPTO 31.10.2031**



**RR AGRO TECH, RRAT435TU2NT 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.)**

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

E-mail: [fmti-sr@nic.in](mailto:fmti-sr@nic.in)

Machine- 682/1760	RR AGRO TECH, RRAT435TU2NT BRUSH CUTTER	COMMERCIAL (ICT)
	THIS REPORT IS VALID UP TO 31.10.2031	



Manufacturer, (apa) : M/s. Thai Honda Co. Ltd.,  
410, Ladkrabang Industrial Estate,  
Chalongkrung Road, Lamlatue,  
Ladkrabang, Bangkok, **Thailand**-10520.

Name of Applicant : M/s. RR AGRO TECH  
Ward No -01, Near Panduranga temple,  
Siddammanahalli Village, Kurugodu Tq,  
Bellary Dt, Karnataka-583115.

## RR AGRO TECH, RRAT435TU2NT BRUSH CUTTER

Report No.: Machine-682/1760

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SOUTHERN REGION FARM MACHINERY TRAINING & TESTING INSTITUTE,  
ANANTAPUR (A.P.)

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Machine-  
682/1760

RR AGRO TECH, RRAT435TU2NT BRUSH CUTTER  
THIS REPORT IS VALID UP TO 31.10.2031

COMMERCIAL  
(ICT)

Type of test : COMMERCIAL (ICT)

Period of test : November, 2024

Test Report No. : Machine-682/1760

Month / Year of release : November, 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 "RR AGRO TECH, RRAT435TU2NT BRUSH CUTTER". This report is valid up to 31.10.2031, 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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1	2	3	4	5
23	Provision for shield/ cover to prevent flying of mud & stone from rotor	Must be provided	Provided	Conforms
24	Provision for grass deflector at the rear of the cutting mechanism	Must be provided	Provided	Conforms
25	Provision for pad with shoulder belt to dampen the vibration	Must be provided	Provided	Conforms
26	Provision for cover on exhaust	Must be provided	Provided	Conforms
27	Direction of exhaust emission away from operator	Must be provided	Provided	Conforms
28	Provision for safety kit (helmet, ear plug, mask, hand gloves, safety glass, protective cloth, safety shoes)	Must be provided	Provided	Conforms
29	Marking/labelling 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	Name and address of manufacturer, country of origin & SFC are not provided.	Does not conform
30	Literature	Operator manual, service manual and parts catalogue should be provided	Not provided	Does not conform

### 17. COMMENTS & RECOMMENDATIONS

- 17.1** The maximum power was observed as 0.86 kW under natural ambient condition against the declared value of 1.0 kW.
- 17.2** The safety provisions, as mentioned at para 5.14, have been provided by the applicant for safety aspect of operators.
- 17.3 Noise measurement:**  
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.

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**17.4 Mechanical vibration:**

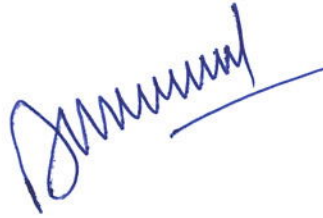


The equivalent mechanical vibration on engine cover was observed to the extent of 204 micron. This should be looked into for dampening the vibration.

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

**17.6 Adequacy of literature supplied with the machine:**

The Operator's manual cum parts catalogue of brush cutter and engine in English was not 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	
Dr. B.M. NANDEDE DIRECTOR	 

**18. APPLICANT COMMENTS**

Sl. No.	Para No.	Comments
1	17.3	We will take corrective action to reduce the noise level.
2	17.4	We will take corrective action to dampening the vibration
3	17.5	We will take corrective action in future production.
4	17.6	We will provide the literature as per IS: 8132- 1999 (Reaffirmed 2004).