

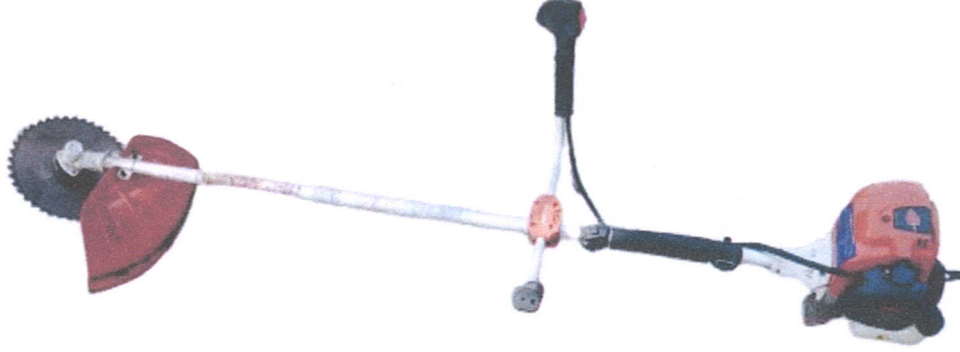
व्यावसायिक परीक्षण रिपोर्ट (प्रारंभिक)

COMMERCIAL TEST REPORT (INITIAL)

संख्या/No: Machine-713/1815

माह/Month: January, 2025

THIS TESTREPORT IS VALID UPTO 31.12.2031



**MALLIKARJUNA ENTERPRISES, ME-BC35 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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Machine- 713/1815	MALLIKARJUNA ENTERPRISES, ME-BC35 BRUSH CUTTER	COMMERCIAL (ICT)
	THIS TEST REPORT IS VALID UP TO 31.12.2031	



Manufacturer, (apa) : M/s Thai Honda Co. Ltd., 410 Thanon Liap Khlong  
Lam Ko Phai, Lam Prathew, Lat Krabang, Bangkok  
10520, Thailand.

Name of Applicant : M/s Mallikarjuna Enterprises  
Stall No. A5, Block No.5, City Corporation  
Commercial Complex, Gadigi Channappa Circle,  
Ballari, Karnataka-583101.

### MALLIKARJUNA ENTERPRISES, ME-BC35 BRUSH CUTTER

Report no.: Machine-713/1815

Month: January

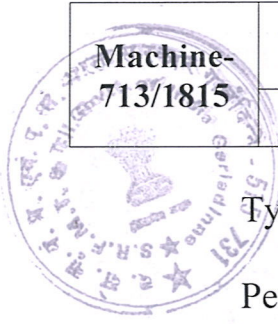
Year: 2025



**Government of India**  
**Ministry of Agriculture and Farmers Welfare**  
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**Southern Region Farm Machinery Training and Testing Institute**  
**Tractor Nagar, Garladinne-515 731, District: Anantapur (A.P.)**  
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 Machine-713/1815	MALLIKARJUNA ENTERPRISES, ME-BC35 BRUSH CUTTER	COMMERCIAL (ICT)
	THIS TEST REPORT IS VALID UP TO 31.12.2031	

Type of test : COMMERCIAL (ICT)

Period of test : December, 2024 to January, 2025

Test Report No. : Machine-713/1815

Month / Year of release : January, 2025

- The results reported in this report are observed values and no corrections have been applied for atmospheric and site conditions.
- The data given in this report pertain to the particular machine randomly selected by testing authority through virtual mode.
- The results presented in this report do not in any way attribute to the durability of the machine.
- 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.).
- This is a report on Commercial Test of Brush Cutter named "MALLIKARJUNA ENTERPRISES, ME-BC35 BRUSH CUTTER". This report is valid up to 31.12.2031, 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







Machine- 713/1815	MALLIKARJUNA ENTERPRISES, ME-BC35 BRUSH CUTTER	COMMERCIAL (ICT)
	THIS TEST REPORT IS VALID UP TO 31.12.2031	

## 16. COMMENTS & RECOMMENDATIONS

- 16.1** The maximum power was observed as 0.91 kW under natural ambient condition against the declared value of 0.9 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 Hardness & chemical**  
The hardness & chemical of circular blades does not conform to the requirement of IS 6025-1982. This should be looked into for corrective action.
- 16.4 Mechanical vibration:**  
The equivalent mechanical vibration on engine cover was observed to the extent of 250 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 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. VIJAY KUMAR BADAYA SENIOR AGRICULTURAL ENGINEER
 Dr. B.M. NANDEDE DIRECTOR 	

## 17. APPLICANT COMMENTS -NIL-