

THIS TEST REPORT IS VALID UPTO30.04.2031



BENSON,BAE-BC-35 BRUSH CUTTER



भारतसरकार

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

ट्रैक्टरनगर,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-564/1615	BENSON, BAE-BC-35 BRUSH CUTTER	COMMERCIAL (ICT)
	THIS TEST REPORT IS VALID UPTO 30.04.2031	

E-mail: fmti-sr@nic.in

Tele. 08551-286441

Name of Manufacturer, (apa) : M/S Thai Honda Manufacturing Co. Ltd.
Landkarabang Ind. Estate, Landkarabang,
Thailand.

Name of Applicant : M/S Benson Agro Engineering C-8/2, Nice
Area, A Road, MIDC Satpur, Nasik,
Maharashtra.

BENSON, BAE-BC-35 BRUSH CUTTER

Report No.: Machine-564/1615 Month: May Year: 2024

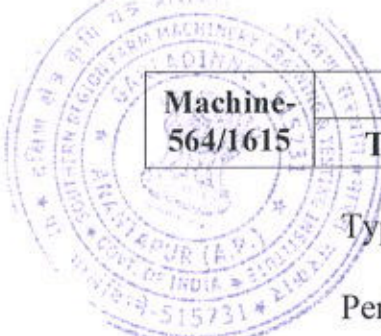


Government of India
Ministry of Agriculture and Farmers Welfare
Department of Agriculture and Farmers Welfare
Southern Region Farm Machinery Training and Testing Institute
Tractor Nagar, Garladinne-515 731, District: Anantapur (A.P.)
[An ISO 9001:2015 CERTIFIED INSTITUTE]

Telephone: 08551-286441

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

E-mail: fmti-sr@nic.in



Machine-564/1615

BENSON, BAE-BC-35 BRUSH CUTTER
THIS TEST REPORT IS VALID UPTO 30.04.2031

COMMERCIAL (ICT)

Type of test : COMMERCIAL (ICT)
Period of test : December, 2023 to April, 2024
Test Report No. : **Machine-564/1615**
Month / Year of release : May,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 selected randomly through virtual mode 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 "**BENSON, BAE-BC-35 BRUSH CUTTER**". This report is valid up to 30.04.2031, Vide Ministry's O.M. No. 13-22/2020-M&T (I&P) dated 12.12.2023.

SELECTED CONVERSIONS

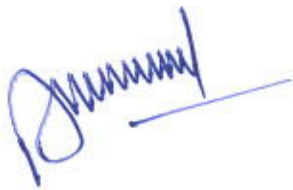
S. No.	Units	Conversion Factor
1	Force	
	1 kgf	9.80665 N
		2.20462 lbf
2	Power	
	1 hp	1.01387 metric hp (Ps)
		745.7 W
	1 Ps	735.5 W
	1 kW	1.35962 Ps
3	Pressure	
	1 psi	6.895 kPa
	1 kgf/cm ²	98.067 kPa = 735.56 mm of Hg
	1 bar	100 kPa = 10 N/cm ²
	1 mm of Hg	1.3332 m-bar

Machine- 564/1615	BENSON, BAE-BC-35 BRUSH CUTTER	COMMERCIAL (ICT)
	THIS TEST REPORT IS VALID UPTO 30.04.2031	

16. COMMENTS & RECOMMENDATIONS

- 16.1** The maximum power was observed as 0.63 kW under natural ambient condition against the declared value of 0.6 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** The equivalent mechanical vibration on engine cover was observed to the extent of 239 micron. This should be looked into for dampening the vibration.
- 16.4** A fuel on/off knob may be considered for providing in the fuel system of engine.
- 16.5** The chemical composition of circular blade (disc blade) does not conform to the requirement of IS 6025-1982 (HRC). This should be looked into for corrective action.
- 16.6** The labeling plate does not reveal all the required information. It is therefore recommended that a suitable labeling plate covering all essential components, inter alia, the following must be provided:
- i) Country of origin
 - ii) Make
 - iii) Specific fuel consumption (g/kWh)
- 16.7 Adequacy of literature supplied with the machine:**
The User's manual and spare parts list of brush cutter and engine in English were 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: 2019) for the sake of user & technical personnel.

TESTING AUTHORITY

Er. PRAMOD YADAV AGRICULTURAL ENGINEER	
Dr. B.M. NANDEDE DIRECTOR	