

परीक्षण रिपोर्ट (प्रारंभिक)
COMMERCIAL TEST REPORT
(INITIAL)

संख्याNo: Machine-405/1237
माहMonth: December, 2020
Validity: 30.11.2025



GT SHAKTI GT-BG438 BRUSH CUTTER (Back Pack)



भारत सरकार

Government of India

कृषि एवं किसान कल्याण मंत्रालय

Ministry of Agriculture and Farmers Welfare

कृषि, सहकारिता एवं किसान कल्याण विभाग

Department of Agriculture, Cooperation 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/>

E-mail: fmti-sr@nic.in

Tele./FAX: 08551-286441

Machine-405/1237	GT SHAKTI GT-BG438 BRUSH CUTTER (Back Pack)	COMMERCIAL (ICT)
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Manufacturer : M/s. DVR Overseas,
1706, Lee-Wai Commercial Building, 1-3
Hart Avenue, Tsim Sha Tsui, Kowloon,
Hong Kong.

Name of Applicant : M/s. GT Agro Industries,
Foundary Nagar, Hathras Road, Near
Canara Bank, Agra-282 004, India.

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Machine-405/1237	GT SHAKTI GT-BG438 BRUSH CUTTER (Back Pack)	COMMERCIAL (ICT)
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Type of test : INITIAL COMMERCIAL TEST

Period of test : 01.10.2020 to 28.12.2020

Test Report No. : Machine-405/1237

Month / Year of release : December, 2020

- 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 at applicant's site.
- 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 "**GT SHAKTI GT-BG438 Brush Cutter(Back pack)**" **This report is valid up to 30.11.2025, Vide Ministry's O.M. No. 13-24/2018-M&T (I&P) dated 19.09.2018.**

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

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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:

B.N. DIXIT AGRICULTURAL ENGINEER	
Dr. P.P. RAO DIRECTOR	

17. APPLICANT'S COMMENTS

Para No.	Our reference	Applicant's comments
17.1	16.2	We will look into this matter to reduce the noise level of the machine
17.2	16.3	We will look into this matter to reduce the mechanical vibration of the machine
17.3	16.5	We will try to implement this as per the possibility
17.4	16.6	The material of the blades will be changed as per the recommendation
17.5	16.7	The material of the blades will be improved to meet the requirement.
17.6	16.8	We will make the manuals as per your recommendations