

No: LD/FMTC, TRICHY/2025-26/01/109

Month: April, 2025

BATCH TEST REPORT
(THIS TEST REPORT VALID UPTO : 15 / 04 / 2034)



TRACTOR OPERATED BULL AGRI-BACK HOE



**FARM MACHINERY TESTING CENTRE
DEPARTMENT OF FARM MACHINERY AND POWER ENGINEERING
AGRICULTURAL ENGINEERING COLLEGE AND RESEARCH INSTITUTE
TAMILNADU AGRICULTURAL UNIVERSITY
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KUMULUR – 621712, TRICHY DISTRICT, TAMILNADU, INDIA**



TRACTOR OPERATED BULL AGRI-BACK HOE

Manufacturer Address : M/s.BULL MACHINES PVT. LTD
S.F.No.5/1, Trichy Road,
L& T By-pass Junction,
Chinthamanipudur (Po),
Coimbatore – 641 103, India.

Telephone number : 9842287770
e-mail address : rnd@bullmachine.in

Applicant Address : M/s.BULL MACHINES PVT. LTD
S.F.No.5/1, Trichy Road,
L& T By-pass Junction,
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TRACTOR OPERATED BULL AGRI-BACK HOE

Type of test	: BATCH TEST
Name of machine	: TRACTOR OPERATED BULL AGRI-BACK HOE
Test Report No	: LD/FMTC, TRICHY/2025-26/01/109
Test requested by	: BULL MACHINES PVT. LTD S.F.No 5/1, Trichy Road, L&T By-Pass Junction, Chindhamanipuram(Po) Coimbatore - 641 103, India
Testing Authority	: Farm Machinery Testing Centre Agricultural Engineering College And Research Institute Tamilnadu Agricultural University Kumalur - 621712, Trichy District
Period of Test	: March 2025

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- The data given in the Test Report pertain to the particular machine submitted for test by the Applicant.
- The data collected during the test do not in any way attribute to the durability of the machine.
- The results reported in this report are observed values and no corrections have been applied for atmospheric and site conditions.

SELECTED CONVERSIONS


S.No	Units	Conversion Factor	ABBREVIATIONS	
1.	Force		Full form	Symbols
	1 Kgf	9.80665 N	As per applicant	apa
		2.20462 lbf	Average	Ave
2.	Power		Hectare	ha
	1 hp	1.01387 metric hp (Ps)	Rockwell Hardness	HRC
		745.7 W	Brinell Hardness	HB
	1 Ps	735.5 W	Diameter	Dia
	1 KW	1.35965 Ps	Indian Standard	IS
			Mild Steel	MS
3.	Pressure		Not Applicable	NA
	1 Psi	6.895 kPa	Not Provided	NP
	1 Kgf/cm ²	98.067 kPa= 735.56 mm of Hg		
	1 Bar	100 kPa= 10 N/cm ²	Revolutions per minute	rpm
	1 mm of Hg	1.3332 m-bar	Power Take-Off	PTO

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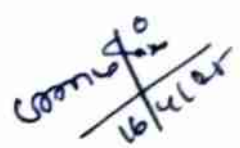



TRACTOR OPERATED BULL AGRI-BACK HOE

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Er. V. Kavipriya Test Engineer	 16/3/25
Date of mailing to Director, SRFMTTI, Tractor Nagar, Garladinne, Anantapur, AP.	18.03.2025
REMARKS received if any	-

TESTING AUTHORITY BY

Dr.R.Thiyagarajan Principal Investigator (FMTC), Associate Professor & Head, Dept. of Farm Machinery & Power Engineering, Agricultural Engineering College & Research Institute, Kumulur - 621 712	 16/4/25
Dr. P. Kamaraj Co-Principal Investigator (FMTC), Associate Professor (Farm Machinery), Dept. of Farm Machinery & Power Engineering, Agricultural Engineering College & Research Institute, Kumulur - 621 712	 16/4/25
Dr. P. Dhananchezhian Co-Principal Investigator (FMTC), Assistant Professor (Farm Machinery), Dept. of Farm Machinery & Power Engineering, Agricultural Engineering College & Research Institute, Kumulur - 621 712	 16/4/25

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Dean
AEC & RI, Kumulur

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