

No: LD/FMTC, TRICHY/2025-26/11/84/118

Month: May, 2025

**INITIAL COMMERCIAL TEST REPORT  
(THIS TEST REPORT VALID UPTO : 08/06/2032)**



**TAFE AGRISTAR 820W-48 BLADE MULTI /SINGLE SPEED ROTARY TILLER**



**FARM MACHINERY TESTING CENTRE  
DEPARTMENT OF FARM MACHINERY AND POWER ENGINEERING  
AGRICULTURAL ENGINEERING COLLEGE AND RESEARCH INSTITUTE  
TAMIL NADU AGRICULTURAL UNIVERSITY  
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**FARM MACHINERY TESTING CENTRE  
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AGRICULTURAL ENGINEERING COLLEGE & RESEARCH INSTITUTE, TNAU, KUMULUR-621 712,  
TRICHY DISTRICT, TAMIL NADU.**

## **TAFE AGRISTAR 820W-48 BLADE MULTI / SINGLE SPEED ROTARY TILLER**

**Manufacturer :** M/s Tractors and Farm Equipment Limited,  
77, Nungambakkam High Road,  
Nungambakkam, Chennai – 600 034  
M/s. TAFE Motors & Tractors Limited,  
(Subsidiary of Tractors and Farm Equipment Limited),  
77, Nungambakkam High Road,  
Nungambakkam, Chennai – 600 034

**Telephone number :** +91 9444788445  
**e-mail address :** narayanan.r@tafe.com

**Subsidiary & Affiliated Office in India :** M/s Tractors and Farm Equipment Limited,  
77, Nungambakkam High Road,  
Nungambakkam, Chennai – 600 034  
M/s. TAFE Motors & Tractors Limited,  
(Subsidiary of Tractors and Farm Equipment Limited),  
77, Nungambakkam High Road,  
Nungambakkam, Chennai – 600 034

**Telephone number :** +91 9444788445  
**e-mail address :** narayanan.r@tafe.com

## **TAFE AGRISTAR 820W-48 BLADE MULTI / SINGLE SPEED ROTARY TILLER**

**Report No: LD/FMTC, TRICHY/2025-26/11/84/118**

**Month: May**

**Year: 2025**

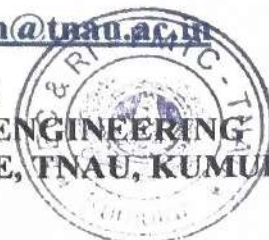


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# TAFE AGRISTAR 820W-48 BLADE MULTI / SINGLE SPEED ROTARY TILLER

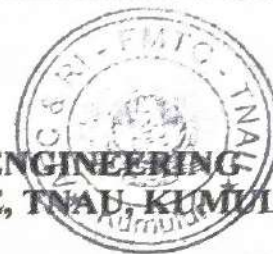
Type of test	:	INITIAL COMMERCIAL TEST
Name of machine	:	TAFE AGRISTAR 820W-48 BLADE MULTI / SINGLE SPEED ROTARY TILLER
Test Report No	:	LD/FMTC, TRICHY/2025-26/11/84/118
Test requested by	:	M/s Tractors and Farm Equipment Limited, 77, Nungambakkam High Road, Nungambakkam, Chennai – 600 034 M/s. TAFE Motors & Tractors Limited, (Subsidiary of Tractors and Farm Equipment Limited), 77, Nungambakkam High Road, Nungambakkam, Chennai – 600 034
Testing Authority	:	Farm Machinery Testing Centre, Agricultural Engineering College & Research Institute, Tamil Nadu Agricultural University, Kumalur – 621 712, Trichy District.
Period of Test	:	April 2025

- This Test Report should not be reproduced in part or full without prior permission of the Dean, Farm Machinery Testing Centre, Agricultural Engineering College & Research Institute, Kumalur- 621712
- 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 lb	Average	Av
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
3.	Pressure		Mild Steel	MS
	1 psi	6.895 kPa	Not Applicable	N.A.
	1 kgf/cm <sup>2</sup>	98.067 kPa= 735.56 mm of Hg	Not Provided	N.P.
	1 bar	100 kPa= 10 N/cm <sup>2</sup>	Revolutions per minute	rpm
	1 mm of Hg	1.3332 m-bar	Power take-off	P.T.O.

**FARM MACHINERY TESTING CENTRE**  
**DEPARTMENT OF FARM MACHINERY AND POWER ENGINEERING**  
**AGRICULTURAL ENGINEERING COLLEGE & RESEARCH INSTITUTE, TNAD, KUMALUR-621 712,**  
**TRICHY DISTRICT, TAMIL NADU.**






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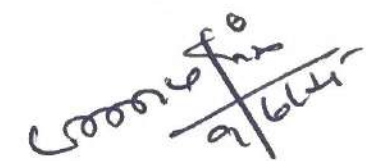

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## TEST CONDUCTED BY

Er. V. Kavipriya Test Engineer	
Date of mailing to Director, SRFMTTI, Tractor Nagar, Garladinne, Anantapur, AP.	19.05.2025
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	
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	
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Dean  
AEC & RI, Kumulur

