

THIS TEST REPORT IS VALID UPTO 30.06.2031



MOUNT FILED, MF-230 WITH 6" BIT POST HOLE DIGGER



सत्यमेव जयते

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.)

[AN ISO 9001:2015 CERTIFIED INSTITUTE]

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

Machine- 603/1660	MOUNT FILED, MF-230 WITH 6" BIT POST HOLE DIGGER	COMMERCIAL (ICT)
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Manufacturer, (apa) : M/s. Linyi Dazhuang Machinery Co., Ltd. West of Huawu Road, Luozhuang District, Linyi City, Shandong, **China**.

Name of Applicant : M/s. S V R Agro Impex, Ground 01, Matur Main Road, Kadikal Mattur Circle, Shivamogga, Karnataka -577203.

MOUNT FILED, MF-230 WITH 6" BIT POST HOLE DIGGER

Report No.: **Machine-603/1660**

Month: **July**

Year: **2024**

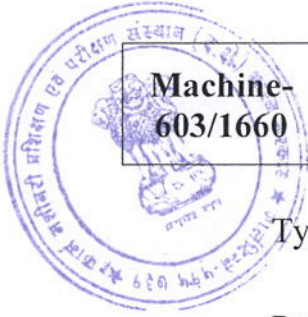


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Machine-603/1660	MOUNT FILED, MF-230 WITH 6" BIT POST HOLE DIGGER	COMMERCIAL (ICT)
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Type of test : COMMERCIAL (ICT)

Period of test : January, 2024 to June, 2024

Test Report No. : **Machine-603/1660**

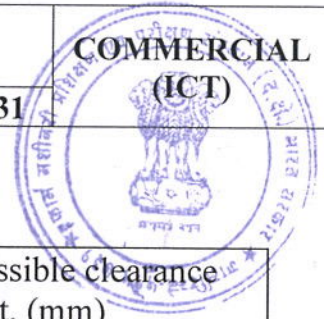
Month / Year : July, 2024

- i) The results reported in this report are observed values and no corrections have been applied for atmospheric and site conditions.
- ii) The test sample was selected randomly through virtual mode.
- 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 Post hole digger named "**MOUNT FILED, MF-230 WITH 6" BIT Post Hole Digger**" This report is valid up to **30.06.2031** Vide Ministry's O.M. No. 13-22/2020-M&T (I&P) dated **12.12.2023**.

SELECTED CONVERSIONS

Sl. 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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Big end bearings:

Bearing No.	Clearance, (mm)		Max. permissible clearance limit, (mm)	
	Diametrical	Axial	Diametrical	Axial
1.	**	0.15	0.10	0.50

****Remarks:** Measurement of big end bearing clearance was not possible, as the piston along with connecting rod.

15.2

Transmission system:

All the gears of the transmission system were found in normal condition.

16. COMMENTS & RECOMMENDATIONS

16.1 Engine Performance:

16.1.1 The maximum power was observed as 1.47 kW under natural ambient condition against the declared value of 1.5 kW.

16.2 The auger bit should be removable but it is welded to augur attachment. Whereas, for easy repair and replacement, it should be detachable type.

16.3 A fuel on/off knob may be considered for providing in the fuel system of engine.

16.4 The safety gadgets as mentioned in **Para 4.0**, were provided by the applicant during the test.

16.5 Transmission drive safety provision in the Post hole digger is not provided, whereas it is essential from the safety point of view. Therefore, it must be provided in the future product.

16.6 Hardness and chemical composition:

Hardness and chemical composition of the augur blade is not as per requirement of the relevant code IS 6690:1981 (Reaffirmed 2012) & therefore it should be looked into for the corrective action.

16.7 Labeling Plate

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) Address of manufacturer
- ii) Country of origin
- iii) Engine no.
- iv) Specific fuel consumption (g/kWh)

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16.8 Technical literature:

User's manual cum parts catalogue provided but not in booklet form for reference during the test. It is recommended that same must be revised in booklet form and brought out in Hindi & other regional languages as per IS 8132:1999 (Reaffirmed 2004) for the sake of user & technical personnel in booklet form.

TESTING AUTHORITY

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

19. APPLICANTS COMMENTS

We consider your comments & recommendations seriously & with immediate effect we inform our production & marketing team to take corrective actions before dispatch.