

THIS TEST REPORT IS VALID UP TO 31.07.2031



AGRICARE, AC-6000P POWER WEEDER



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]

Machine- 635/1696	AGRICARE, AC-6000P POWER WEEDER	COMMERCIAL (ICT)
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Manufacturer, (apa) : M/s. Taizhou Qinli Machinery Co. Ltd,
Yanhai Industrial Zone, Sanjia Str., Jiaojiang
district, Taizhou city, Zhejiang, China.

Applicant : M/s. SRI SAI AGRI TECH, 6-1-3949,
Shivam Complex, Opp TVS Show room,
Gangavathi Road, Sindhanur, Raichur District,
Karnataka-584128.

AGRICARE, AC-6000P POWER WEEDER

Report no.: Machine-635/1696

Month: August

Year: 2024

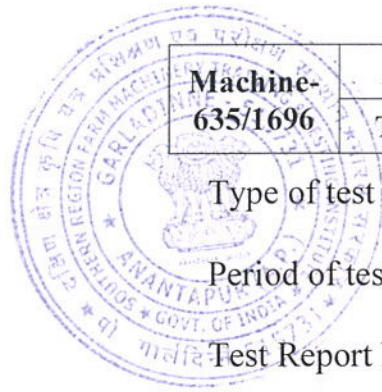


सत्यमेव जयते

**Government of India
Ministry of Agriculture and Farmers Welfare
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Machine- 635/1696	AGRICARE, AC-6000P POWER WEEDER	COMMERCIAL (ICT)
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Type of test : COMMERCIAL (ICT)

Period of test : June, 2024 to July, 2024

Test Report No. : Machine-635/1696

Month / Year of release : August, 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 randomly selected by testing authority.
- iii) The results presented in this report do not, in anyway, 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 Power Weeder named "AGRICARE, AC6000P POWER WEEDER". This report is valid up to 31.07.2031. 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

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1	2	3	4	5
22	Provision for shield/cover to prevent flying of mud and stone from rotor	Must be provided	Provided	Conforms
23	Depth control mechanism	Must be provided	Provided	Conforms
24	Provision for transport wheels	Must be provided	Provided	Conforms
25	Provision for cover on exhaust	Must be provided	Provided	Conforms
26	Direction of exhaust emission away from operator	Must be provided	Provided	Conforms
27	Marking/labeling of machine	The labeling plate should be riveted on the body of the machine having Address of manufacturer, Address of applicant, Country of origin, Make, Model, Year of manufacturer, Size of the machine, Serial number, Engine number, Engine HP, Rated rpm, SFC	Name of the machine, Address of manufacturer, Address of applicant, Country of origin, Make, Year of manufacturer, Engine number, Engine HP, Rated rpm, SFC are not provided	Does not conform
28	Literature	Operator manual, service manual and parts catalogue should be provided	Not Provided	Does not conform

18. COMMENTS & RECOMMENDATIONS

18.1 Engine Performance:

- 18.1.1 The maximum power was observed as 4.08 kW under natural ambient condition against the declared value of 4.20 kW.
- 18.1.2 Specific fuel consumption of engine corresponding to maximum power was recorded as 348 g/kWh against the declared value of 340 g/kWh.
- 18.1.3 Back up torque of engine was observed as 8.13 % against declared value of 7%.

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18.1.4 Max. torque was observed as 12.37 Nm against the declared value of 12 Nm.

18.2 Mechanical vibration:

The amplitude of mechanical vibration on various assemblies of the Power weeder was observed to the extent of 344 micron, which is on higher side. This should be given top priority for corrective action.

18.3 Marking/labeling:

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) Name of the machine
- ii) Address of the manufacturer
- iii) Address of applicant
- iv) Make
- v) Year of manufacturer
- vi) Engine number
- vii) Engine hp
- viii) Engine rated rpm
- ix) Specific fuel consumption (g/kWh)

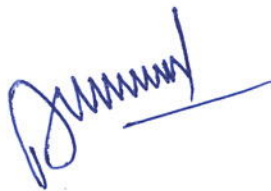
18.4 Technical literature:

User's manual is not provided during the test. However, the same must be brought out in Hindi & other regional languages as per IS 8132:1999 (Reaffirmed 2004) for the guidance of users.

The following literature should be provided.

- i) Service manual
- ii) Parts catalogue

TESTING AUTHORITY

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