

THIS TEST REPORT IS VALID UP TO 29.02.2032



AANSHI IMPEX, AANSHI PW700P 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.)

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Machine - 746/1849	AANSHI IMPEX, AANSHI PW700P POWER WEEDER THIS TEST REPORT IS VALID UP TO 29.02.2032	COMMERCIAL (ICT)
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Manufacturer, (apa) : M/s. Chongqing Haofa Machinery
Manufacturing Co. Ltd, Sanjiao
Industrial Park, Yongchuan District,
Chongqing, China

Applicant : M/s. Aanshi Impex,
Plot No 8, Pragati Ind. Area, B/H
Shailesh Forging, Ravki, Rajkot-
360004, Gujrat

AANSHI IMPEX, AANSHI PW700P POWER WEEDER

Report no.: Machine -746/1849

Month: March

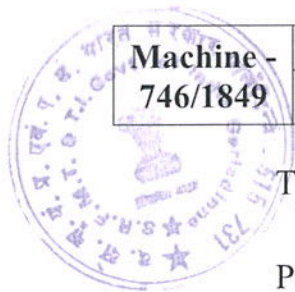
Year: 2025



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Machine -
746/1849

AANSHI IMPEX, AANSHI PW700P POWER WEEDER

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COMMERCIAL
(ICT)

Type of test : COMMERCIAL (ICT)

Period of test : January, 2025 to February, 2025

Test Report No. : Machine -746/1849

Month / Year of release : March, 2025

- 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 through virtual mode.
- 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 "AANSHI IMPEX, AANSHI PW700P POWER WEEDER ". This report is valid up to 29.02.2032, 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

**Machine -
746/1849**

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**COMMERCIAL
(ICT)**

1	2	3	4	5
20	Provision for emergency stop of engine	Must be provided	Provided	Conforms
21	Provision for easy start of engine	Must be provided	Provided	Conforms
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 name and address of manufacturer & applicant, country of origin, make, model, year of manufacturer, serial number, engine number, engine HP, rated rpm & SFC	Address of manufacturer, Country of origin, year of manufacturer, size of the machine Rated RPM, SFC are not provided.	Does not conform
28	Literature	Operator manual, service manual and parts catalogue should be provided	Provided	Conforms

18. COMMENTS & RECOMMENDATIONS

18.1 Engine Performance:

- 18.1.1 The maximum power was observed as 3.75 kW under natural ambient condition against the declared value of 4.0 kW.
- 18.1.2 Specific fuel consumption of engine corresponding to maximum power was recorded as 389/kWh against the declared value of 420 g/kWh.
- 18.1.3 Back up torque of engine was observed as 8.81 % against declared value of 10%.
- 18.1.4 Max. torque was observed as 11.48 Nm against the declared value of 12 Nm.

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18.2 Mechanical vibration:

The amplitude of mechanical vibration on various assemblies of the Power weeder was observed to the extent of 331 micron, which is on higher side. In view of the above, 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, interlaid, the following must be provided:

- i) Address of manufacturer
- ii) Country of origin
- iii) Year of manufacturer
- iv) Size of the machine
- v) Rated RPM
- vi) Specific fuel consumption (g/kWh)

18.4 Technical literature:

Operator's manual, service manual and parts catalogue of power weeder in separate booklet were supplied for reference during the test. It is however, recommended that same may be revised in Hindi and other regional languages as per IS 8132: 1999 (Reaffirmed 2004) for the sake of user & technical personnel.

TESTING AUTHORITY

 Er. PRAMOD YADAV AGRICULTURAL ENGINEER	 Er. VIJAY KUMAR BADAYA SENIOR AGRICULTURAL ENGINEER
 Dr. B.M. NANDEDE DIRECTOR	

19.APPLICANT'S COMMENTS

-NIL-

SOUTHERN REGION FARM MACHINERY TRAINING & TESTING INSTITUTE, ANANTAPUR (A.P.)	Page 28 of 29
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