

**THIS TEST REPORT IS VALID UPTO 30.09.2031**



**HUSQVARNA, TF 338 P, 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- 670/1744	HUSQVARNA, TF 338 P, POWER WEEDER	COMMERCIAL (ICT)
	THIS TEST REPORT IS VALID UP TO 30.09.2031	



Manufacturer, (apa) : M/s. Husqvarna AB, SE-561, Huskvarna, Sweden (designed and Sourced).

Applicant : M/s. Husqvarna (India) Products Private Limited, First Floor, Swees House, No. 5, Sir P S Sivaswamy Salai, Mylapore, Chennai - 600 004, Tamil Nadu, India.

### HUSQVARNA, TF 338 P, POWER WEEDER

Report no.: Machine-670/1744

Month: October

Year: 2024



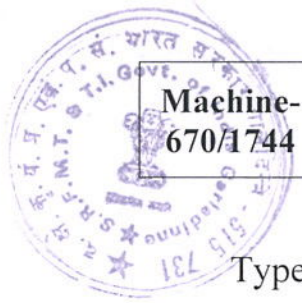
सत्यमेव जयते

**Government of India**  
**Ministry of Agriculture and Farmers Welfare**  
**Department of Agriculture and Farmers Welfare**  
**Southern Region Farm Machinery Training and Testing Institute**  
**Tractor Nagar, Garladinne-515 731, District: Anantapur (A.P.)**  
**[An ISO 9001:2015 CERTIFIED INSTITUTE]**

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

E-mail: [fmti-sr@nic.in](mailto:fmti-sr@nic.in)





Machine-  
670/1744

**HUSQVARNA, TF 338 P, POWER WEEDER**  
**THIS TEST REPORT IS VALID UP TO 30.09.2031**

**COMMERCIAL**  
**(ICT)**

Type of test : COMMERCIAL (ICT)

Period of test : 1.10.2024 to 23.10.2024

Test Report No. : **Machine-670/1744**

Month / Year of release : October, 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 "**HUSQVARNA, TF 338 P, POWER WEEDER**". This report is valid up to **30.09.2031, Vide Ministry's O.M. No. 13-22/2020-M&T (I&P) dated 12.12.2023.**

### SELECTED CONVERSIONS

S. No.	Units	Conversion Factor
<b>1</b>	<b>Force</b>	
	1 kgf	9.80665 N
		2.20462 lbf
<b>2</b>	<b>Power</b>	
	1 hp	1.01387 metric hp (Ps)
		745.7 W
	1 Ps	735.5 W
	1 kW	1.35962 Ps
<b>3</b>	<b>Pressure</b>	
	1 psi	6.895 kPa
	1 kgf/cm <sup>2</sup>	98.067 kPa = 735.56 mm of Hg
	1 bar	100 kPa = 10 N/cm <sup>2</sup>
	1 mm of Hg	1.3332 m-bar

Machine- 670/1744	HUSQVARNA, TF 338 P, POWER WEEDER	COMMERCIAL (ICT)
	THIS TEST REPORT IS VALID UP TO 30.09.2031	



## 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 3.75 kW.
- 18.1.2 Specific fuel consumption of engine corresponding to maximum power was recorded as 404 g/kWh against the declared value of 450 g/kWh.
- 18.1.3 Back up torque of engine was observed as 6.6 % against declared value of 7 %.
- 18.1.4 Max. torque was observed as 11.25 Nm against the declared value of 10 Nm.

### 18.2 Mechanical vibration:

The amplitude of mechanical vibration on various assemblies of the Power weeder was observed to the extent of 320 micron, which is on higher side. In view of the above, this should be given top priority for corrective action.

### 18.3 Air cleaner oil pullover:

The percentage of air cleaner oil pull over was recorded as 0.5 to 9.24 % against the declaration of 0.20%. The percentage of air cleaner oil pull over was considered very high and this should be looked into for corrective action.

### 18.3 Hardness & chemical:

The hardness of rotary blades does not conform to the requirement of IS 6690:1981 (Reaffirmed 2022). This should be looked into for corrective action.

### 18.4 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 applicant
- ii) Country of origin
- iii) Engine no.
- iv) Specific fuel consumption (g/kWh)

### 18.5 Technical literature:

Operators manual and parts catalogue of power weeder were supplied with test sample for reference during the test. It is however, recommended that same may be revised and brought out in Hindi & other regional languages as per IS 8132:1999 (Reaffirmed 2019) for the sake of user & technical personnel in booklet form.





Machine- 670/1744	HUSQVARNA, TF 338 P, POWER WEEDER	COMMERCIAL (ICT)
	THIS TEST REPORT IS VALID UP TO 30.09.2031	

**TESTING AUTHORITY**

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

**19. APPLICANT COMMENTS**

-Nil-