

व्यावसायिक परीक्षण रिपोर्ट (प्रारंभिक)

COMMERCIAL TEST-REPORT (INITIAL)

संख्या/No: PP/SRFMTTI,

ANANTAPUR/2025-26/03/03/1941

माह/Month: November, 2025

THIS TEST REPORT IS VALID UP TO 31.10.2032



**KAVERI AGROTECH, K-F708H
ENGINE OPERATED KNAPSACK SPRAYER**



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/>

E-mail: fmti-sr@nic.in

PP/SRFMTTI,
ANANTAPUR/2025-26/
03/03/1941

KAVERI AGROTECH, K-F708H
ENGINE OPERATED KNAPSACK SPRAYER
THIS TEST REPORT IS VALID UP TO
31.10.2032

COMMERCIAL
(ICT)

Name and address of the Manufacturer, (apa) : M/s. Asian Honda Motors Co. Ltd.
#14 Sarasin Building, Bangkok 10500, Thailand.

Name and address of the Applicant, (apa) : **Kaveri Agrotech.**
Main Road, Hirerugi, Indi Tq,
Vijaypur Dist, Karnataka-586215.

**KAVERI AGROTECH, K-F708H
ENGINE OPERATED KNAPSACK SPRAYER**

Report no.: PP/SRFMTTI, ANANTAPUR/2025-26/03/03/1941

Month: November

Year: 2025



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

Type of test : COMMERCIAL (ICT)

**SOUTHERN REGION FARM MACHINERY TRAINING &
TESTING INSTITUTE, ANANTAPUR, (A.P.)**

Page 2 of 34

 <p>PP/SRFMTTI, ANANTAPUR/2025-26/ 03/03/1941</p>	<p>KAVERI AGROTECH, K-F708H ENGINE OPERATED KNAPSACK SPRAYER THIS TEST REPORT IS VALID UP TO 31.10.2032</p>	<p>COMMERCIAL (ICT)</p>
---	---	-----------------------------

Period of test : August, 2025 to October, 2025

Test Report No. : PP/SRFMTTI, ANANTAPUR/2025-26/03/03/1941

Month / Year of release : November, 2025

- The results reported in this report are observed values and no corrections have been applied for atmospheric and site conditions.
- The data given in this report pertain to the particular machine randomly selected by testing authority through virtual mode.
- The results presented in this report do not, in any way, attribute to the durability of the machine.
- 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.).
- This is a report on Commercial Test of Engine Operated Knapsack Sprayer named "**KAVERI AGROTECH, K-F708H ENGINE OPERATED KNAPSACK SPRAYER**". This report is valid up to **31.10.2032**, Vide Ministry's O.M. No. 13-22/2020-M&T (I&P) dated 12.12.2023.
- This report is not covered under BIS certification. Therefore, the manufacturers cannot market the sprayer with ISI mark only on the basis of this test report.

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
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

PP/SRFMTTI, ANANTAPUR/2025-26/ 03/03/1941	KAVERI AGROTECH, K-F708H ENGINE OPERATED KNAPSACK SPRAYER THIS TEST REPORT IS VALID UP TO 31.10.2032	COMMERCIAL (ICT)
---	---	---------------------

Type of test : COMMERCIAL (ICT)

Name of Machine : Engine Operated Knapsack Sprayer

Make : Kaveri Agrotech

Model : K-F 708H

Name and address of the Manufacturer, (apa) : M/s. Asian Honda Motors Co. Ltd. #14 Sarasin Building, Bangkok 10500, Thailand.

Name and address of the Applicant, (apa) : **Kaveri Agrotech.**
Main Road ,Hirerugi, Indi Tq,
Vijaypur Dist, Karnataka-586215.



TESTED BY
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

C O N T E N T S

SOUTHERN REGION FARM MACHINERY TRAINING & TESTING INSTITUTE, ANANTAPUR, (A.P.)	Page 4 of 34
---	--------------

 PP/SRFMTTI, ANANTAPUR/2025-26/ 03/03/1941		KAVERI AGROTECH, K-F708H ENGINE OPERATED KNAPSACK SPRAYER THIS TEST REPORT IS VALID UP TO 31.10.2032		COMMERCIAL (ICT)
1	2	3	4	5
12	Literature	Operator manual, service manual & parts catalogue should be provided.	Provided	Conforms

24. COMMENTS & RECOMMENDATIONS

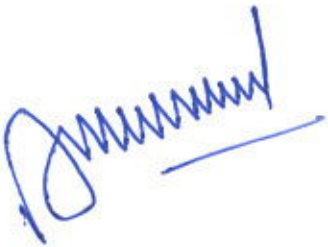


- 24.1** The pressure gauge with full scale reading provided on it does not meet the requirement of IS 11313: 2007 (Reaffirmed-2022). This should be looked into for necessary corrective action.
- 24.2** The manufacturer's name or recognized trade mark on spray nozzle is not marked and does not meet the requirement of IS 3652:1995 (Reaffirmed-2021). This should be looked into for necessary corrective action.
- 24.3** The discharge rate of pump does not meet the requirement of IS 11313: 2007 (Reaffirmed-2022). This should be looked into for necessary corrective action.
- 24.4** The discharge rate of spray nozzle and spray angle at 300 kPa does not meet the requirement of IS 3612:2024. This should be looked into for necessary corrective action.
- 24.5** Suction strainer is not provided and the same may be provided.
- 24.6** The diameter of connecting rod of the gun does not meet the requirement of IS 11313-2007 (Reaffirmed-2022). This should be looked into for necessary corrective action.
- 24.7 Marking /labeling:**
A suitable labeling plate (Sticker is provided) needs to be provided with 'inter alia' following information:
i) Name & address of manufacture
ii) Month & year of manufacture
iii) Rated speed
iv) Rated pressure
v) Discharge rate
vi) Power rating of engine
vii) SFC of engine

PP/SRFMTTI, ANANTAPUR/2025-26/ 03/03/1941	KAVERI AGROTECH, K-F708H ENGINE OPERATED KNAPSACK SPRAYER THIS TEST REPORT IS VALID UP TO 31.10.2032	COMMERCIAL (ICT)
---	---	---------------------

24.8 Technical literature:

User's manual is 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.

TESTING AUTHORITY

 Er. PRAMOD YADAV AGRICULTURAL ENGINEER	 Er. Y. K. RAO SENIOR AGRICULTURAL ENGINEER
 Dr. P.P. RAO DIRECTOR	



25. APPLICANT'S COMMENTS

Sl. No.	Para No.	Applicant comments
1	24.1	The pressure gauge with full scale reading provided on it does not meet the requirement of IS 11313: 2007 (Reaffirmed-2022). So, we will look into for necessary corrective.
2	24.5	We will provided suction strainer.
3	24.6	The diameter of connecting rod of the gun does not meet the requirement of IS 11313- 2007 (Reaffirmed-2022). So, we will look into for necessary corrective.