

**THIS REPORT IS VALID UPTO 30.09.2028**



**KISSAAN KING KK-135DE POWER WEEDER**



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- 521/1550	KISSAAN KING KK-135DE POWER WEEDER	COMMERCIAL
	THIS TEST REPORT IS VALID UP TO 30.09.2028	

Manufacturer, (apa) : M/s Southern Agro Engine Private Limited,  
#119, Bangalore High Road, Pappanchatram,  
Thiruvallur, Chennai -600123, Tamil Nadu,  
India .

Applicant : M/s Southern Agro Engine Private Limited,  
#119, Bangalore High Road, Pappanchatram ,  
Thiruvallur, Chennai -600123, Tamil Nadu,  
India .

### KISSAAN KING KK-135DE POWER WEEDER

Report no.: Machine-521/1550

Month: October

Year: 2023



**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.)**  
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Machine-521/1550	KISSAAN KING KK-135DE POWER WEEDER	COMMERCIAL
	THIS TEST REPORT IS VALID UP TO 30.09.2028	

Type of test : COMMERCIAL

Period of test : 20.07.2023 to 13.10.2023

Test Report No. : Machine-521/1550

Month / Year of release : October , 2023

- 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 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 Power Weeder named "KISSAAN KING KK-135DE POWER WEEDER". This report is valid up to 30.09.2028 Vide Ministry's O.M. No. 13-24/2018-M&T (I&P) dated 19.09.2018.

### SELECTED CONVERSIONS




S. No.	Units	Conversion Factor
1	<b>Force</b>	
	1 kgf	9.80665 N
		2.20462 lbf
2	<b>Power</b>	
	1 hp	1.01387 metric hp (Ps)
		745.7 W
	1 Ps	735.5 W
	1 kW	1.35962 Ps
3	<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

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### 18. APPLICANT'S COMMENTS

REFERENCE	APPLICANT'S COMMENTS
17.1.3	We will work on to reduce frictional horse power and improve pump efficiency.
17.1.4	To improve torque from 18.67 Nm to 20.50 Nm we will work on to reduce frictional horse power and improve pump efficiency.
17.2	To overcome this vibration problem, we will provide extra gusset and linkages to minimize vibration level.
17.3	To reduce the percentage of air cleaner oil, pull over we will correct it by altering the distance between suction point & oil level in the oil bowl.
17.4	We will provide the labeling plate as recommended.

### TESTING AUTHORITY

 <b>Er. PRAMOD YADAV</b> AGRICULTURAL ENGINEER	 <b>Er. D.C. MOULI</b> AGRICULTURAL ENGINEER
 <b>Dr. B.M. NANDEDE</b> DIRECTOR	

