

व्यावसायिक परीक्षण रिपोर्ट

COMMERCIAL TEST REPORT

संख्या / No.: PT-133/1089

माह / Month: November, 2019

Validity: 31.10.2022

**VARIANT TEST**



**KAMCO SUPER DI POWER TILLER SS**



भारत सरकार

Government of India

कृषि एवं किसान कल्याण मंत्रालय

Ministry of Agriculture and Farmers Welfare

कृषि, सहकारिता एवं किसान कल्याण विभाग

Department of Agriculture, Cooperation 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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Website: <http://srfmtti.dacnet.nic.in/>

<b>PT-133/1089</b>	<b>KAMCO SUPER DI POWER TILLER SS</b>	<b>COMMERCIAL (VARIANT)</b>
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Tele./FAX: 08551-286441

Manufacturer : M/s. Kerala Agro Machinery Corporation  
Ltd., Athani - 683 585, Ernakulam  
District, Kerala, **India**

Applicant : The Manufacturer

Indigenous/Imported : **Indigenous**

### **KAMCO SUPER DI POWER TILLER SS**

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### 3.4 SUMMARY OF OBSERVATIONS, COMMENTS & RECOMMENDATIONS

Evaluative (mandatory)/ Non-evaluative (non-mandatory) parameters applicable for Qualifying Minimum Performance Criteria as per **Clause – 4.1 (Table-1) of IS 13539: 2018 (Second revision)** for acceptance of the power tiller for the purpose of subsidies/institutional financing are summarized as under:

Sl. No.	Characteristics	Category (Evaluative/ Non Evaluative)	Requirements as per IS 13539: 2018 (Second revision)	Values Declared by the applicant/ requirement		As observed		Whether meets the requireme nts (Yes/No)
1	2	3	4	5	6	7	8	9
				Base	Variant	Base	Variant	
<b>3.4.1</b>	<b>Rotary shaft performance:</b>							
a)	Max. Power test, (kW)	Evaluative	Minimum 80 percent of observed maximum bhp of power tiller	7.0	6.8	7.1	7.1	Yes
b)	Power at rated engine speed,(kW)	Evaluative	Minimum 75 percent of observed rated bhp of power tiller	6.6	6.8	7.1	7.1	Yes
c)	Specific fuel consumption corresponding to power at rated engine speed,(g/kWh)	Evaluative	To be declared by the manufacturer with a tolerance of + 5 percent	300	300	276	297	Yes
d)	Max. equivalent rotary shaft torque, Nm	Evaluative	To be declared by the manufacturer with a tolerance of $\pm 8$ percent	320	320	328.7	345.0	Yes

PT-133/1089	KAMCO SUPER DI POWER TILLER SS	COMMERCIAL (VARIANT)
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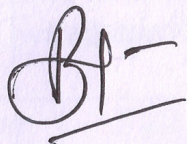

Sl. No.	Characteristics	Category (Evaluative/ Non Evaluative)	Requirements as per IS 13539: 2018 (Second revision)	Values Declared by the applicant/ requirement		As observed		Whether meets the requireme nts (Yes/No)
1	2	3	4	5		6		7
				Base	Variant	Base	Variant	
e)	Max. operating temp. of rotary transmission oil, (°C)	Evaluative	To be declared by the Manufacturer	85	85	54	62	Yes

### 3.4.2 Salient Observations:

3.4.2.1 As compare to base model, the following features are changed in Variant model and details are given in Annexure - I and listed below:

1. Flywheel (Ring gear)
2. Flywheel cover
3. Ignition switch
4. Head light
5. Self starting system
6. Additional stickers of "self start" are pasted at belt cover & control unit/self start cover plate
7. Battery
8. Battery mounting space in rotary cover
9. Radiator cover styling

### TESTING AUTHORITY:

B.N. DIXIT AGRICULTURAL ENGINEER	
Dr. P.P. RAO DIRECTOR	

### 4. APPLICANT'S COMMENTS

Comments received & incorporated in the report.

SOUTHERN REGION FARM MACHINERY TRAINING & TESTING INSTITUTE, ANANTAPUR, (A.P.)	Page 23 of 26
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