

व्यावसायिक परीक्षण रिपोर्ट (प्रारंभिक)  
COMMERCIAL TEST REPORT  
(INITIAL)

संख्या / No: Machine-330/1128  
माह / Month: February, 2020  
Validity: 31.01.2025



**KAMCO POWER REAPER KR-120HL**



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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<b>Machine-330/1128</b>	<b>KAMCO POWER REAPER KR-120HL</b>	<b>COMMERCIAL (ICT)</b>
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Manufacturer : M/s. Kerala Agro Machinery Corporation Ltd., Athani (PO), Ernakulam (Dt.), Kerala - 683 585, **India.**

Applicant : The Manufacturer

### **KAMCO POWER REAPER KR-120HL**

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- iii) The average mass of straw with grain harvested was recorded as 25042 to 28129 kg/ha.
- iv) The average mass of grains recovered was recorded as 5534 to 7499 kg/ha.

#### **17.11.2 Quality of work:**

- i) The average post harvest loss was recorded as 0.24 to 0.98 %.
- ii) The average stubble height was recorded as 73.8 to 122.0 mm.
- iii) The crop harvested by the machine is left in windrows, which minimizes the time required for the collection and transportation of the crop.

**17.12** One skilled operator can operate the machine continuously for about two hours only. Hence, two skilled operators are required to operate the machine continuously and two unskilled labours for cutting of the crop on sides and corners of the field to be harvested.

#### **17.13 Wear of critical components:**

- i) The wear rate of cutter bar on mass basis was recorded as 0.005 % per hour.
- ii) Hardness of movable & stationary blade conforms to the requirement of IS 6025:1982 (Reaffirmed 1999).
- iii) All the constituents except manganese of chemical composition of cutting (movable) blade and stationary blades are conforming to the requirement of relevant code. Therefore, this should be taken care for corrective action.

#### **17.14 Provision for safety:**

- i. A safety pin at driven sprocket of conveyor chain is provided to take of overloading of cutter bar.
- ii. Guards against all moving parts/drives and hot parts are provided

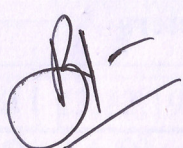
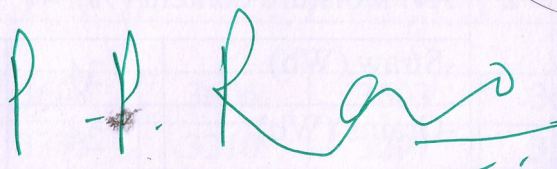


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#### 17.15 Technical literature:

The operation manual/service book and parts catalogue of reaper and engine in separate booklets were supplied with the reaper for reference during the test. It is however, recommended that same may be revised and bought out in Hindi & other regional languages as per IS 8132 : 1999 (Reaffirmed 2004) for the sake of user & technical personnel.

#### TESTING AUTHORITY:

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

#### 18. APPLICANT'S COMMENTS

Para No.	Our reference	Applicant's comments
18.1	17.2/17.4	Will take necessary corrective actions
18.2	17.3	Will take necessary actions for rectifying the same
18.3	17.7	Suitable measures will be taken for necessary corrective actions
18.4	17.8	Will do the necessary corrective actions
18.5	17.10	Will be corrected
18.6	17.13 (iii)	Will be taken care off
18.7	17.15	Will be provided as per requirement