

## COMMERCIAL TEST REPORT

No.: PH-22/82/2020

Month: September, 2020

Valid till: 30 September, 2027



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### M/s. Climber Systems RICE DEHUSKING MACHINE

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सत्यमेव जयते

Government of India



भारतीय  
ICAR

**FARM MACHINERY AND POST-HARVEST MACHINERY & EQUIPMENT TESTING CENTRE**

**ICAR - CENTRAL INSTITUTE OF AGRICULTURAL ENGINEERING**

**REGIONAL CENTRE, COIMBATORE - 641 007, TAMIL NADU**

*(An ISO 9001:2015 Certified Institute)*

Email: testnciaerc@gmail.com, Telephone: 0422 2472624

**MANUFACTURER** : M/s. Climber Systems,  
Sr.No. 50/2/9, Gujarwadi Road,  
Katraj, Pune- 411 046,  
Maharashtra.

**APPLICANT** : M/s. Vigyan Ashram,  
Pabal Post,  
Pune- 412 403,  
Maharashtra.

### M/s. Climber Systems- Rice Dehusking Machine

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**1. SCOPE OF TEST**

The scope of test was to check and assess the following.

**1.1. LABORATORY TEST**

- Checking of specifications
- Wear analysis of critical components
- Hardness of materials
- Chemical analysis of materials

**1.2. FIELD TEST**

- Rate of work
- Quality of work
- Ease of operations and adjustments
- Labour requirement
- Defects, Breakdowns and Repairs

**2. TEST PROCEDURE**

The sample was tested as per the procedure described in the test codes.

**3. METHOD OF SELECTION**

The machine was submitted by the manufacturer for testing. Exemption from random selection of test samples as per office orders OM 13-13/2020-M&T (I&P) dt 24.04.2020 and OM 13-13/2020-M&T (I&P) dt 10.09.2020 from M&T Division, DAC&FW, Ministry of Agriculture and Farmers Welfare, New Delhi.

**4. SPECIFICATIONS****4.1. GENERAL**

Name of manufacturer	M/s. Climber Systems, Sr.No.50/2/9, Gujarwadi Road, Katraj, Pune- 411 046, Maharashtra.
Email	climbersystems@gmail.com vapabal@gmail.com
Telephone	+91 93258 79945/ +91 9730005016
Name of Machine/Equipment	Rice Dehusking Machine

Type	Power operated
Make	M/s. Climber Systems
Model & S. No.	CL.RDM1-10 & 0620 000032
Year of manufacture	2020
Machine dimension (L×W×H), mm	1270×595×1347
Feeding capacity, kg/h	15-20 (as specified by manufacturer)
Dehusking capacity, kg/h	15-20 (as specified by manufacturer)
Weight of the machine, kg	128
Colour of the machine	Silver with grey

## 4.2 POWER UNIT

### 4.2.1 Dehusker Motor

Provision & Type	Electrically/ Power/ Motor operated & Gear box drive
Type of prime mover	Electrically operated 1 hp AC induction motor with capacitor starter
Motor power, hp	1
Motor phase	Single
Type of drive	Gear box drive through shaft

### 4.2.2 Blower Unit

Provision & Type	Electrically/ Power/ Motor operated & Direct coupling
Type of prime mover	Electrically operated 115 W AC induction motor
Motor power, W	115
Motor phase	Single
Type of drive	Direct coupling with fan



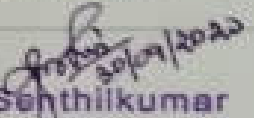



## 4.3 MAIN PARTS OF RICE DEHUSKING MACHINE

### 4.3.1 Feed Hopper

Shape type	:	Inverted truncated frustum of a pyramid
Capacity of hopper, kg	:	16
Hopper length, mm	:	633
Hopper width, mm	:	552

## TESTING AUTHORITY

Dr.R.H.Sadvatha	Scientist & Test Engineer	 Scientist & Test Engineer Farm Machinery and Post Harvest Machinery & Equipment Testing Centre ICAR - OAE, Regional Centre Coimbatore - 641 007
Dr.Ravindra Naik	Principal Scientist & Senior Test Engineer	 Principal Scientist & Senior Test Engineer Farm Machinery and Post Harvest Machinery & Equipment Testing Centre ICAR - OAE, Regional Centre Coimbatore - 641 007
Dr.T.Senthilkumar	Principal Scientist & Testing Authority	 <b>Dr. T. Senthilkumar</b> Principal Scientist & Incharge Farm Machinery and Post Harvest Machinery & Equipment Testing Centre ICAR - CIAE, Regional Centre Coimbatore - 641 007
Dr.S.Balasubramanian	Head (I/c), ICAR - CIAE, Regional Centre, Coimbatore.	 प्रभारी / हेड ऑफ केन्द्रीय कृषि अभियांत्रिकी संस्थान (भा. कृ. अ.) प्रादेशिक केंद्र, कोयंबटूर - 641 007 ICAR - CENTRAL INSTITUTE OF AGRICULTURAL ENGINEERING REGIONAL CENTRE Sugarcane Breeding Institute (P) Veerakulam Road, Coimbatore - 641 007

## 12. APPLICANT'S COMMENTS

Satisfied with the report.

