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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

ट्रेक्टर नगर, गार्लदिन्ने - 515 731, जिला: अनंतपुर (आं. प्र.)

Tractor Nagar, Garladinne- 515 731, District: Anantapur (A.P.)

[ISO 9001:2008 COMPLIANT INSTITUTION]

SPECIFICATIONS OF THRESHER

1. GENERAL

1.1 Name of machine :

1.2 Name and address of manufacturer :

1.3 Name & address of applicant :

1.4 Selling price in India : Rs

1.5 Selected by :

1.6 Method of selection :

1.7 Place of running in :

1.8 Schedule & duration of running-in :

(h)

2.0 TECHNICAL SPECIFICATIONS :

2.1 Make :

2.2 Model :

2.3 Type :

2.4 Size :

2.5 Serial number :

2.6 Serial number of 1st prototype :

2.7 Year of manufacture :

Name of the Manufacturer/Applicant	Document No, if any Revision status	Name of the Test Agency: SRFMTTI, Garladinne
Signature :	Make :	Signature :
Name :	Model :	Name :
Designation :	Sheet No. _____ of _____	Designation :
Date :		Date :

- 2.8 Size of thresher (mm) :
- 2.9 Crop handled: -
 - Main crop :
 - Other crops in order of effectiveness
 as per makers specification

2.10 Power unit:

- Type of prime-mover :
- Details of prime-mover :
- Make / Model / Sl. No. :
- Whether integral unit or provided separately :
- Power requirement :
- Type of drive :
- Arrangement for tensioning :

3.0 Constructional details: -

- 3.1 Frame** :

3.2 Crop feeding:

- Type :
- Height (mm) :
- Provision for varying the feeding rate :
- Conformity to IS :

3.3 Threshing unit:**3.3.1 Threshing cylinder:**

- Type :
- Type of rasp bar/ Pegs :
- Arrangement of rasp bar/spikes & attachment
 Of bar/spike to cylinder :
- Width (mm) :
- Outer dia (mm) :

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Signature : Name : Designation : Date :	Make : Model : Sheet No. _____ of _____	Signature : Name : Designation : Date :

Recommended cylinder speed: -

S. No	Crops	Recommended speed	
		Rotational (rpm)	Peripheral (m/s)

Method of speed variation :

3.3.1.1 Main shaft bearings:

Shape & size of shaft (mm) :

No. & type of bearings :

3.3.1.2 Concave:

Type :

Details of concave:

Total length (mm) :

Effective length (mm) :

Effective curved width(mm):

Effective area (Sq.m) :

Thickness of concave (mm) :

Method of fixing :

Range of concave clearance: -

S. No.	Crops	Range of concave clearance (mm)
1		
2		
3		
4		

Method of adjustment of Clearance :

3.4 Separating Unit:**3.4.1 Sieve:**

No. of sieves :

Type of sieve :

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Name :	Model :	Name :
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Details of sieve:

Parameters	Top	Middle	Bottom
Type			
Size of holes (mm)			
Density of holes (cm ²)			
Size (mm)			
Effective size (mm)			
Effective area (m ²)			
Thickness of sieve (mm)			
Angle of inclination (°)			

Method of fixing :

Provision for adjusting the sieve angle:

3.4.2 Shaking mechanism:

Type :

Construction details :

Length of stroke (mm) :

No. of oscillations per minute :

Method of shaking :

Method of drive :

3.4.3 Outlets:

Constructional details :

Size (mm) :

Grain outlet	Straw outlet	Any other

Height of outlet from ground Level(mm) :

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3.5 Blower:

Constructional details :

No. of blades :

Size of blower (mm) :

Size of blades (mm) :

Method of drive :

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Range of speeds (rpm) :

Range of air flow (m³/min.) :

Method of airflow adjustment :

3.6 Transporting Unit:

3.6.1 Axle:

No. of axles :

Method of mounting :

3.6.1.1 Wheels:

No. of wheels :

Details of wheels : Front wheel Rear wheel

3.6.1.2 Transporting hitch:

Constructional details :

3.7 Adjustments:

Items	Method of adjustment	Range
Threshing cylinder speed (rpm)		
Concave clearance (mm)		
Blower speed (rpm)		
Shaker pulley speed (rpm)		
Length of stroke (mm)		
Angle of sieves (deg) Top Middle Bottom		
Shutter opening for air flow (mm)		

3.7.1 Lubricating points:

S. No.	Location	Number	Recommended lubricant	Lubricating schedule
1.	Main shaft bearings			
2.	Blower shaft bearings			
3.	Shaker shaft bearings			
4.	Cam housing			

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3.7.2 Overall dimensions (mm):

Length :
 Width :
 Height :
 Ground clearance :
 Total mass (Kg) :

3.8. Safety devices :-**3.9 Other information's: -**

Place: -

Date: -

Signature

Name: -

Designation: -

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