

Website: <http://srfmtti.dacnet.nic.in/>
 E-mail: fmti-sr@nic.in
 Tele./FAX: 08551-286441



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.)

[ISO 9001:2008 COMPLIANT INSTITUTION]

SPECIFICATION SHEET OF ROTAVATOR

1. GENERAL:

- 1.1 Name and address of manufacturer:
- 1.2 Name & address of applicant:
- 1.3 Country of origin:
- 1.4 If imported C.I.F. value:
- 1.5 Selling price in the country of: Rs
Origin
- 1.6 Selling price in India: Rs.
- 1.7 Selected by:
- 1.8 Method of selection:
- 1.9 List of indigenous components:
- 1.10 Place of running in:
- 1.11 Schedule & duration of running –in (h):
Transmission:
- 1.12 Size of rotavator:
- 1.13 Recommended for: Dry / Wet land or Both cultivations

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 :

2.0 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 :
- 2.8 Recommended Power of Prime-mover kW(Ps) :
- 2.8.1 Make & Model of prime-mover :
- 2.8.2 Recommended speed of PTO shaft (rpm): -
 - No Load :
 - On Load :

2.9 Transmission system: -

- 2.9.1 Mode of Power Transmission from PTO Shaft to Rotavator Gear Box :

Make, type & size of propeller shaft:

Details of Safety device for power cut-off

2.9.2 Gear Box (Primary): -

- Make, model & type of gear box :
- No. of teeth on pinion :
- No. of teeth on bevel gear :
- Speed reduction ratio at gear box :
- Provision for backlash adjustment:
 - Backlash between bevel and Pinion gear (mm) :
 - Method of mounting :

Number of speeds: -

- Forward :
- Reverse :
- Recommended grade of lubricant :

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Oil capacity :
 Oil changing period (h) :

2.9.3 POWER TRAIN (Secondary gear box): -

Mode of power transmission from
 Primary gear box to rotory shaft :

Type of safety shield :

Type; of secondary reduction :
 No. of speeds :

Reduction ratio :
 Rotor speed corresponding to rated
 Engine speed of prime-mover(rpm):

Method of changing rotor speeds :

Speed of rotor recommended
 For field operations (rpm) :
 - For wet land cultivation (kmph) :

-For dry land cultivation (kmph) :

Backless of each gear pairs :

2.9.4 OILS AND LUBRICANTS

Grade of recommended oil :
 - Primary reduction :
 - Rotor reduction :

Capacity (l):

- Primary reduction :
 - Rotor reduction :

Method of checking oil level:
 - Primary reduction :
 - Rotor reduction :

No. of grease points and location :

Lubricant change period (h) :

3.0 SPECIFICATIONS OF ROTOR:

Size of rotor shaft (Dia. x Length) :

No. & Size of flange :

Rotor diameter with tines/blades :

No. of blades on shaft:

- For dry land cultivation :

- For wet land cultivation :

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Type of blade offered along with Rotavator (Specify use) :

Material of blades :

Speed of rotary shaft corresponding to rated engine speed specified for field work (rpm) :

Torque available at the rotary shaft at rated engine speed (N-m) :

Theoretical cutting width (mm) :

Working width (mm) :

Method of mounting blades on Shaft :

Arrangement of blades :

Weight of each blades (g) :

Safety arrangements :

3.1 Hardness of blades (HRC/HB) :

3.2 Chemical composition of blades :

3.3 OVERALL DIMENSIONS:

Parameters	Without prime-mover
Length (mm)	
Width (mm)	
Height (mm):	
Weight (kg):	

3.4 MISCELLANEOUS:

Min. recommended turning Radius (mm) :

Min. transport clearance (mm) :

Provisions for other attachments :

3.5 Any additional information :

Place:

Date:

Signature : _____

Name : _____

Designation: _____

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