

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]

1. SPECIFICATIONS

1.1 General specification of machine

Make :
Model :
Manufacturer :

Name of Applicant :

Name of the Machine :

Indian trade name :

Year of manufacture :

Country of origin :

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

1.2 Prime mover/ Engine(as per applicant)

- 1.2.1 Manufacturer :

- 1.2.2 Make :

- 1.2.3 Model :

- 1.2.4 Type :

- 1.2.5 Year of manufacture :

- 1.2.6 Sl. No. :

- 1.2.7 Country of origin :

- 1.2.8 Recommended high idle speed, (rpm) :

- 1.2.9 Recommended low idle speed, (rpm) :
- 1.2.10 Recommended rated speed, (rpm) :
- 1.2.11 Speed at maximum torque, (rpm) :
- 1.2.12 Maximum power :kW @.....rpm

- 1.2.13 Torque corresponding to
Maximum power, (Nm) :
- 1.2.14 Specific fuel consumption corresponding
to Maximum Power, (g/kWh) :
- 1.2.15 Rated power :kW @.....rpm

- 1.2.16 Torque corresponding to rated power,
(Nm) :
- 1.2.17 Specific fuel consumption at rated power,
(g/kWh) :
- 1.2.18 Maximum torque :Nm@.....rpm

- 1.2.19 Lubricating oil consumptions,(g/kwh) :
- 1.2.20 Maximum permissible engine oil
temperature, (° C) :

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 :

1.2.21			
Sl.No.	Parts/component	Initial value (When in new condition),(mm)	Discard limit (mm)
i)	Cylinder bore diameter		
ii)	Clearance between cylinder liner and piston (at top)		
iii)	Piston ring end gap - Top ring - 2 nd ring - Oil ring		
iv)	Piston ring groove clearance - Top ring - 2 nd ring - Oil ring		
v)	Clearance of big end bearing - Diametrical - Axial		
vi)	Clearance of main bearing - Diametrical - Crane shaft end float		

1.3 Cylinder and Cylinder head

Number :

Disposition :

Bore/stroke, (mm) :

Capacity (cc) :

Valve clearance, (mm)

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 :

SPECIFICATIONS OF POWER WEEDER/ROTARY WEEDER
(Engine upto 3.5kW)

Inlet :

Exhaust :

Make of Carburetor :

Type of Carburetor :

Brief description of carburetor :

Make of Spark plug :

Type of Spark plug :

Brief description of Spark plug :

Electrode gap of Spark plug :

1.4 Fuel supply system

Type of fuel system :

Material of Fuel tank :

Capacity of fuel tank (l) :

Location of fuel tank :

Provision for draining of sediments/
water :

Fuel filters :

Fuel ON/OFF :

1.5 Air cleaner

Make :

Type :

Type of element :

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 :

Location :

Recommended service Schedule :

1.6 Exhaust
Type of silencer :

Position of silencer :

Spark arresting device, if any :

1.7 Lubrication system
Type :

Oil capacity (l) :

Oil change period (h) :

1.8 Cooling system
Type :

1.9 Starting system
Type :

Ignition system :

Aid for cold starting :

Any other provision for
easy starting :

1.10 Transmission system

1.10.1 Crankshaft to intermediary shaft

Type of drive :

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 :

V belt size, (mm) :

Size of pulley, (mm) :

- Drive :

- Driven :

Reduction ratio :

Type of main clutch :

Size of idler pulley, (mm) :

1.10.2 Intermediary shaft to rotary tiller shaft :

Location of drive :

Method of drive :

No. of teeth of drive sprocket :

No. of teeth of driven sprocket :

Reduction ratio :

Length of Chain, (mm) :

No. of rollers :

Roller diameter ,(mm) :

Pitch, (mm) :

No. and size of bearing :

Safety provision :

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 :

1.11 Rotary tiller Main shield cover (Top)

Material :

Size, (mm) :

Thickness of sheet, (mm) :

Method of fixing :

1.12 Rotor shaft

Material :

Type of rotor axle :

Size of shaft (mm) :

No. of flanges :

Type of flanges :

Dia. of flange, (mm) :

Thickness of flange, (mm) :

No. of blades on each flange :

Method of mounting blades on flanges :

Distance between blade Fixing disc, (mm) :

Total no. of blades :

Working width, (mm) :

Dia. of rotor with blades ,(mm) :

Method of fixing :

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 :

1.13 Depth control mechanism

Type of material :

Length ,(mm) :

Width/Dia., (mm)

No. of flat/rod :

Method of fixing :

1.14 Steering handle bar

No. of steering handle bar :

Shape :

Material :

Dia. of pipe, (mm) :

No. of hand grips :

Length of grip, (mm) :

Material of grip :

Dia. of grip, (mm) :

Height of handle bar from ground level, (mm) : Max.
Min.

Method of adjusting handle bar :

1.15 Transport wheel

Make :

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 :

SPECIFICATIONS OF POWER WEEDER/ROTARY WEEDER
(Engine upto 3.5kW)

Number :

Dia.,(mm) :

Type of tyre wheel :

Rim

Axle :

1.16 Controls/Levers :

i)

ii)

iii)

1.17 Overall dimensions (mm) :

Length :

Width :

Height :

Mass (kg) :

1.18 Color of machine

Chassis :

Engine

Main drive cover :

Transmission system Cover :

Fuel tank :

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 :