

Website: <http://srfmtti.dacnet.nic.in/>  
 E-mail: [fmti-sr@nic.in](mailto: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

Name of machine :

Address of Manufacturer :

Make :

Model :

Type :

Serial No. :

Year of manufacture :

Country of origin :

Address of Applicant :

Indian trade name :

Type of crops /bush recommended by applicant :

### 1.2 Prime mover/ Engine(as per applicant)

1.2.1 Manufacturer :

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 :

- 1.2.2 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, (o C) :

**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		
	2nd ring		
	Oil ring		

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 :

- iv) Piston ring groove clearance  
Top ring  
  
2nd ring
- v) Oil ring  
Clearance of big end bearing  
-Diametrical
- vi) -Axial  
Clearance of main bearing  
-Diametrical  
  
-Crank shaft end float

### 1.3 Cylinder and Cylinder head

Number :

Disposition :

Bore/stroke, (mm) :

Capacity (cc) :

Valve clearance, (mm)

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 :

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 :

- 1.4 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 :
- 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 :

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 :

Aid for cold starting :

Any other provision for easy starting :

**1.10 Cutter assembly**

Type :

No of teeth :

Overall Diameter of disc (mm) :

Root diameter of disc (mm)

Thickness,(mm) :

**1.11 Rope :**

Length of rope(mm) :

Dia of rope (mm) :

**1.12 Details of control :**

i)On/off switch provided on RHS :

ii)Handle grip provided on both side :

iii) Accelerator Throttle lever is provided on RHS :

iv) Throttle accelerator safety gauged is provided :

**1.13 Overall dimension (mm) :**

Length :

Width :

Height :

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 :

- 1.14 Mass (Kg) :**
- without cutters and guard :
  - With circular disc paddy cutter attachment :
  - With nylon rope weed cutter attachment :

**1.15 Color of machine**

- Engine, chassis :
- Engine 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 :