



# **SNS COLLEGE OF TECHNOLOGY**

**Coimbatore-35**  
**An Autonomous Institution**

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Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai



## **DEPARTMENT OF AGRICULTURE ENGINEERING**

### **19AGB301-FARM TRACTORS**

**III YEAR V SEM**

**Topic : Makes of power tillers and tractors**



## BCS power tiller



- **Power** : 4 kw
- **Condition** : New
- **Warranty** : 12 Months
- **Power type** : Gasoline
- **Dimension**  
(L\*W\*H) :  
210\*820\*950(mm)
- **Fuel tank**  
**Capacity** : 2.5L



## Honda powertiller



- **Engine Model** : GX80
- **Model** : HondaF300
- **Borax Stroke** : 68 x 45 mm
- **Type** : Walk Behind the Tiller, 4 Stroke air cooled
- **Engine Power** : 2 HP
- **Tilling Width** : 12"/18"
- **Ignition System** : Transistor MagnetoMachine
- **Color** : Red
- **Fuel** : petrol
- **Machine attachments** : Rotorvator
- **Displacement** : 80 CC



# power weeder



- **MOQ** : 1 Piece(s)
- **Condition** : New
- **After-Sales Service Provided** : Yes
- **Brand Name** : Khalsa
- **Certification** : ISO 9001:2008 Certified
- **Application** : Agriculture
- **Application** : Inter Cultivation
- **Weight** : 100-500kg
- **Type** : Power Tiller
- **Automatic Grade** : Semi Automatic



# Mini rotary power tiller



- **Engine Type** : 2stroke
- **Fuel** : Petrol
- **Brand Name** : SUPER GARDEN
- **Model** : SG WEEDER3.0
- **Power** : 3hp
- **Engine Power** : 3hp
- **Fuel TankCapacity** : 2 ltr



# Mahindra 265 (DI)



## ENGINE

- **HP Category** : 30 HP
- **Engine Capacity** : 2048 cc
- **Engine Rated** : 1900 RPM
- **No of Cylinder** : 3
- **Air Filter** : Dry type
- **Cooling System** : Water Cooled

## TRANSMISSION (GEARBOX)

- **Clutch Type** : Single Clutch
- **Transmission Type** : Partial Constant Mesh
- **Speed Min-Max** : 28.2 kmph
- **Reverse Speed Min – Max** : 12.3 kmph
- **Forward Gears** : 8
- **Reverse Gears** : 2





## **BRAKES**

- **Brake Type** : Oil Immersed
- **Turning Radius With Brake** : 3040 mm

## **STEERING**

- **Steering Type** : Power Steering
- **Steering Adjustment** : No

## **FUEL CAPACITY**

- **Fuel Tank Capacity** : 45 litres

## **LIFTING CAPACITY (HYDRAULICS)**

- **Lift Capacity In Kg** : 1200 kg
- **Hydraulic Controls** : Position control & Automatic draft control



# Swaraj 744 XT



## ENGINE

- **HP Category** : 50 HP
- **Engine Capacity** : 3478 cc
- **Engine Rated RPM** : 2000 RPM
- **No of Cylinder** : 3
- **Air Filter** : 3 stage oil bath type with Pre Cleaner

## TRANSMISSION (GEARBOX)

- **Clutch Type** : Single / Dual clutch
- **Transmission Type** : Combination of Constant Mesh or Sliding
- **Gear Level Position** : Center Shift
- **Forward Gears** : 8
- **Reverse Gears** : 2







## **BRAKES**

- **Brake Type :** Multi Disk oil

## **STEERING**

- **Steering Type :** Power Steering / Mechanical
- **Steering Adjustment :** NO

## **LIFTING CAPACITY(HYDRAULICS)**

- **Lift Capacity In Kg :** 1700 kg
- **Hydraulic Controls :** ADDC



## Eicher 380



### ENGINE

- **HP Category** : 40 HP
- **Engine Capacity** : 2500 cc
- **Engine Rated RPM** : 2150 RPM
- **No of Cylinder** : 3
- **Air Filter** : 4 stage Oil bath type Cooling System  
Water cooled

### TRANSMISSION (GEARBOX)

- **Clutch Type** : Single / Dual
- **Transmission Type** : Partial Constant Mesh
- **Gear Level Position** : Centre / Side Shift (opt)
- **Speed Min-Max** : 30.84 kmph
- **Forward Gears** : 8
- **Reverse Gears** : 2





## BRAKES

- **Brake Type** : Multi disc oil immersed brakes
- **Turning Radius With Brake** : 3250 mm

## STEERING

- **Steering Type** : Mechanical / Power Steering
- **Steering Adjustment** : NO

## FUEL CAPACITY

- **Fuel Tank Capacity** : 45 litres

## LIFTING CAPACITY (HYDRAULICS)

- **Lift Capacity In Kg** : 1650 kg
- **3 Point Linkage** : CAT-2 (Combi Ball)
- **Hydraulic Controls** : ADDC



# John Deere 5050 D



## ENGINE

- **HP Category** : 50 HP
- **Engine Capacity** : 2900 cc
- **Engine Rated RPM** : 2100 RPM
- **No of Cylinder** : 3
- **Air Filter** : Dry type, Dual element
- **Cooling System** : Coolant Cooled

## TRANSMISSION (GEARBOX)

- **Clutch Type** : Single / Dual
- **Transmission Type** : Collarshift
- **Gear Level Position** : Side Shift
- **Speed Min-Max** : 2.97 – 32.44 kmph
- **Reverse Speed Min – Max** : 3.89 – 14.1 kmph
- **Forward Gears** : 8
- **Reverse Gears** : 4





## **BRAKES**

- **Brake Type :** Oil Immersed
- **Turning Radius With Brake :** 2900 mm

## **STEERING**

- **Steering Type :** Mechanical / Power Steering
- **Steering Adjustment :** NO

## **FUEL CAPACITY**

- **Fuel Tank Capacity :** 60 litres

## **LIFTING CAPACITY (HYDRAULICS)**

- **Lift Capacity In Kg :** 1600 kg
- **3 Point Linkage :** Category – II
- **Hydraulic Controls :** ADDC



*Thank You*