

POWER & TECHNOLOGY
NOW WITH ADVANCED ELECTRIC START



VST 165 DI ES



**Electric-Start
Power Tiller**



**Developed Heavy
Duty & Robust
Transmission**



**Wider Rotary
(750 mm)**



**Aerodynamic Design
& Ergonomic Seat**

MADE IN INDIA

APPLICATIONS: Dry Land & Wet Land Operation, Inter-cultivation, Earthing-up, Land Preparation etc.

SUITABLE FOR: Vegetable Crops, Horticulture Crops & Plantation Crops



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TECHNICAL SPECIFICATIONS

ENGINE	
MODEL	VST 165 DI ES (16 HP)
Type	Horizontal 4 stroke, overhead valve, single cylinder, compression ignition, water cooled diesel engine
Combustion Chamber	Direct Injection (DI)
Maximum Torque	5.3 kg-m@1900 rpm
Maximum HP	16 HP@2400 rpm
Bore X Stroke	102 X 105 mm
Displacement	857 CC
SFC (Specific Fuel Cons)	190g/hp/hr
Governor System	Mechanical, centrifugal type
Cooling System	Water cooled, thermo siphon system
Air Cleaner	Multistage, oil bath type with cyclonic pre-cleaner
Starting System	Key Start / Manual
Battery	12 Volts/65 Ah
Std. Pulley (DIA)	120mm
Engine Dry Weight	140 kgs
LUBRICATING SYSTEM	
Type of Lubricating System	Force feed with hydraulic pressure relief valve
Engine Oil Sump Capacity	3 ltrs (SAE20W40)
Air Cleaner	0.2 ltrs (SAE20W40)
Gear Box (Transmission) Oil Capacity	6 ltrs (SAE 90)
Rotary Oil Capacity	0.5 ltrs (SAE 90)
ROTARY	
Type of Drive	Side drive rotary with chain & sprocket
No. Of Tynes	26
Tilling Width	750 mm (maximum)
Tilling Depth	150 - 160 mm (maximum)
Weight of Rotary Tiller	125 Kgs

CHASIS & TRANSMISSION	
Transmission Model	CT - 100
Transmission Type	Combination of constant and sliding mesh
Clutch	Multiple plate dry disc type
Steering	Independent dog clutch
No.of Speeds	08 (Forward 06 & Reverse 02)
Brake System	Hand operated internal expanding metallic shoe type
Tyre Size	6.00 - 12 (4 PR)
Weight of Transmission	245 Kgs
FUEL SYSTEM	
Fuel	High speed diesel
Fuel Tank Capacity	14.3 ltrs
Nozzle	Multi-hole (5)
SPEED (Kmph)	
GEAR	STANDARD PULLEY
	FORWARD
1L	1.77
2	2.62
3	4.14
4H	6.37
5	9.35
6	14.75
	REVERSE
1L	1.55
2H	5.57
OVERALL DIMENSIONS	
Length x Width x Height	2870 x 1000 x 1540 mm
Weight	510 Kg (Engine+ Transmission + Rotary + Seat Assy)
Ground Clearance	180 mm approx.

COMPATIBLE ATTACHMENTS



Generator



Reaper



Sprayer



Multi Crop Planter



Cage Wheel K Type



Bullock Type Inter Cultivator



Leveler



Turmeric Digger



Water Pump and many more...



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Disclaimer: Pictures used here are for illustration purpose only. Product specifications are subject to change without prior notice. Performance of the machine may vary with user/field/working conditions.



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