



# TATA MUL20

MULTI UTILITY LOADER

Engine : 25 HP @ 2600 rpm  
Operating Weight : 2000 - 2250 kg

# INDIA'S FIRST MULTI UTILITY LOADER



Rotator Grapple



Cane Grab



Loader Bucket



Clamshell Bucket



Salt Loader Bucket



Auger



Fork Lift



Backhoe Bucket

## Major Specification

### Engine

Make	: Lombardini, Italy
Model	: 9LD625-2 2 cyl, Air cooled, Naturally Aspirated, Diesel engine
Gross Power	: 25 HP@2600rpm
Displacement	: 1248 cc
Max.Torque	: 67Nm@2000rpm
Battery	: 12 V

### Hydraulic System

Travel Pumps	: 2 independent Variable displacement axial piston pumps, in close loop with Wheel Motors
Flow rate	: 36 lpm@2600rpm
Travel Pressure	: 330 Bar Max.
Implement Pump	: One gear pump for implement operations with Boom operation as priority function.
Flow rate	: 21 lpm@2600rpm
Boom Lift Pressure	: 155 Bar
Implement Pressure	: 140 Bar
Filter	: 10 microns inline suction filter 20 microns charge line pressure filter
Control valve	: Manually actuated implement spool valves 2 on RH side & 1 on LH side.

### Drive System

Front	: Hydrostatic independent Controlled, High Torque Low Speed Wheel Motors in close loop system with wheels mounted directly on motor.
Rear	: Free Castor Wheel.
Max. Tractive effort	: 1000kgf.
Forward Speed	: 11 Kmph.
Reverse	: 11 Kmph.

### Steering Control

Independent foot pedal control for left & right wheels, Providing freedom of Body Centered Turning.

### Tyres

Front Tyres	: 12.5-18-10 PR
Rear Tyre	: 7.00-12-10 PR

### Brake

Service Brakes	: Hydrostatic Service Brakes
Parking Brakes	: SAHR (Spring Applied Hydraulically Released.) Parking Brake on both wheel motors.

### Refill Capacities

Engine Oil	: 3.3 Ltrs (15W40CF4)
Fuel Tank	: 30 Ltrs
Hydraulic Tank	: 65 Ltrs (TH46Hyd.Oil)
Hydraulic System	: 75 Ltrs
Operator Cabin	: Ergonomically designed operator compartment with FRP cover on top & well cushioned operator seat with seat belts.
Safety	: Safety Seat belts, Reflectors, Front grill, Parking Brake.
Structure	: Sturdy box type structure incorporating main frame cum hydraulic reservoir using square and circular section tubes.

### Operating data

BASIC MACHINE	
Overall width without attachment	: 2033 mm
Overall length (front tyre to rear tyre)	: 3188 mm
Wheel base	: 2315 mm
Wheel track	: 1708 mm
Overall height with basic boom(down)	: 2370 mm
Ground clearance	: 375 mm
Gradeability	: 19 deg. (35%)
Gross Vehicle Weight	: 2200 kg
Front axle load	: 1450 kg
Boom length	: 2040 mm

### Attachment Specifications.

Sl.No.	Attachment Description	Specification	Payload Rating**
1	Cane Grab	0.17.Sq.m	340 kg
2	Loader Bucket	0.19 Cu.m	340 kg
3	Salt Loader	0.16 cu.m	205 kg
4	ClamShell CL285(High Digging Depth)	0.28.Cu.m	300 kg
5	Clamshell CL200(High Dump Reach)	0.20.Cu.m	340 kg
6	Backhoe(1.35m. Arm)	0.03 Cu.m	285 kg
7	Fork Lift	1.15m tyne	750 kg @ 500 mm from carriage
8	Rotator Grapple	0.22 Sq.m	300 kg
9	Auger	0.2m Dia 1.0m depth	

\*\*Payload Ratings are as per SAE J818 (Min of the two values as below.)

a) 50% of Mechanical Tipping Load, b) 87.5% of hydraulic Lift Capacity.



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