

**mahindra**  
TRACTORS



**HAULMASTER**  
**POWER TO  
PERFORM**

Engine	
Model name	4915 TREM3A
No. of cylinders	4
Displacement	3532 cc
A Gross horse power	66.9 kW @ 2200±50 rpm
Peak gross torque	345 Nm +/- 5 % @ 1400 -1600 rpm
Emission certificate	TREM3A
Aspiration	Turbo charged intercooled
Engine low idle	850 +/- 50 rpm
Engine high idle	2400 +/- 50 rpm
Engine/transmission Cooling	Aluminium radiator with transmission oil cooler & charged air cooler
Engine Exhaust/Retardation	Under hood muffler
Engine Air Cleaner	Dry type with dual stage air cleaning, primary & secondary filters with Visibowl type pre-cleaner. Under hood mounted on engine across width

Transmission	
Make & Model	Carraro TCB80 SPS DD

Maximum transport speed in gear with unladen condition (without trailer)	
1st gear (F/R)	5.9 to 6.4 km/hr
2nd gear (F/R)	9.5 to 10.3 km/hr
3rd gear (F)	20.2 to 22 km/hr
4th gear (F)	40.5 to 44 km/hr
Clutch Type	Constant mesh planetary gears
Control Type	Electronically controlled & hydraulically actuated
Dry weight	285 kg
Gearing	4 Speed
Torque Converter Layout	Hydrodynamic with direct drive function in 3rd and 4th gear

Front axle	
Type	Centrally pivoted, driven type balanced axle, with total oscillation of 16 deg
Front static load rating	20394 kg
Front dynamic load rating	8158 kg

Rear axle	
Type	Rigidly mounted drive axle with outbound planetary final drive with differential lock arrangement
Rear dynamic load rating	11217 kg
Rear static load rating	28042 kg

Tyres	
Front tyre size	12.4 x 24" (8 ply)
Rear tyre size	18.4 x 30" (14 ply)

Tyre Pressure	
Front	34 ± 5 psi
Rear	40 ± 3 psi

Brakes	
Service brake type	Hydraulically actuated, self adjusting, maintenance free, oil immersed multidisc system on the rear axle
Park brake type	Spring Applied Hydraulic Release (SAHR)

Electrical System	
Voltage	12 volts
Battery	120 Ah Type- Maintenance free, sealed type. Mounting location: Battery box on LH side integrated with hydraulic tank
Auxiliary (Trailer) electrical supply	Standard trailer plug at vehicle rear
Fuse box	Inside canopy with ease of access
Alternator	12 volt/ 90 Amp
Starter motor rating	2.5 kw
Operator Information	Digital electronic multi display unit includes: Audible warning buzzer; Hour meter; Trip meter and Tell Tale for vehicle information
Gauges	Fuel level gauge, Engine speed (RPM), Vehicle speed, Engine coolant temperature
Switches/Levers/light	Combination switch includes High/Low beam, indicator of Left/Right & horn. Front & Rear worklights, Hazard, key Start/Stop. FNR lever with gear selector at steering column. Electrically operated parking brake Remote mounted direct acting hydraulic control levers for Hitch and Aux

Hydraulic System	
Type	Manually operated with gear pump
Oil capacity	62.5 lit
Pumps	Fixed displacement gear driven
Primary pump displacement(cc/rev)	21 cc -Applicable with trailer brake installation arrangement & Drawbar type arrangement - Version 1
Working pressure	250 bar
Pump application	Power steering, hitch lift and trailer auxiliary
Rated flow @ engine governed RPM	100 lpm(50+50) @ 2400 RPM - FOR 42 CC (Ball pin hitch arrangement - Version 2) 50 lpm @ 2400 RPM - FOR 21 CC ( Drawbar type arrangement - Version 1)

Steering	
Type	Front wheel hydrostatic power steering
Working pressure	180 bar
Lock to lock turns	2.8 ± 0.2 turns
Relief pressure	145 bar

Operator Station	
Canopy	Sturdy open canopy
Mounting	Rubber
Operator seat	Fully adjustable, weight compensating with built-in suspension

Front Body Work	
Chassis	C plate and closing plate box section chassis
Bonnet	Aesthetically designed bonnet
Grill	LH & RH side grills provided for ease of engine maintenance
Guarding	Front bull bar
Fuel & Hydraulic tank	LH side hydraulic tank & RH side fuel tank
Rear Mudguards	Metallic with integral tail light mounting provision
Canopy Roof	Made up of LLDPE roto mould plastic

Drawbar type arrangement	
Height - Ground to drawbar centre (L)	540 mm
Rear Axle Centre to Drawbar Centre (N)	620 mm
Pin dia	40 mm

Rear axle hitch arrangement	
Outer to Outer width	1010 mm
One side lug width	120 mm
Pin Diameter	45 mm
Hitch clearance	70 mm

Operating Weight	
Unladen	
Front Axle Reaction	2534 kg
Rear Axle Reaction	2491 kg
Total Weight	5025 kg
Laden	
Hitch Load (Fully Laden)	5000 kg
Front Axle Reaction	2534 kg
Rear Axle Reaction	7491 Kg
Total Weight	10025 kg
Gross Combined Weight (GCW)	27025 kg
Payload	22000 Kg

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Email: [info@simbacolt.com](mailto:info@simbacolt.com)