



TATA LPTA 713S
4 X 4 Truck

TATA MOTORS

TATA LPTA 713S - 4 X 4 TRUCK

ENGINE

Model : CUMMINS GBT - 5.9 TC
Type : Water cooled direct injection with turbo intercooler

No. Of Cylinders : 6 inline
Bore/Stroke : 102 mm x 120 mm
Capacity : 5883 cc
Max. Engine Output : 89 kW (119 HP) at 2500 rpm
Max Torque : 400 Nm (40.8 mkg) at 1400-1700 rpm
Compression Ratio : 17.6:1

CLUTCH

Type : Single plate dry friction, hydraulically actuated
Outside diameter of Clutch lining : 310 mm

TRANSMISSION

Model : TATA GBS - 40
Type : Synchromesh on all forward gears
Number of Gears : 5 forward and 1 reverse
Gear ratios : 1st - 7.51 4th - 1.51
2nd - 3.99 5th - 1.00
3rd - 2.50 Reverse - 6.93

Auxiliary gear box

Type : Constantmesh helical gears
Ratios - High 1.05
Low 1.6

FRONT AXLE

Ratio : FA 104 Salisbury type
5.857 (41/7)

REAR AXLE

Ratio : RA 104 Banjo type single tyre axle, single reduction heavy duty hypoid gears, fully floating axle shafts.
5.857 (41/7) with differential lock

STEERING

: Integral, hydraulic assisted power steering

FRAME

: Ladder type heavy duty frame with rivetted/bolted cross members. Side members are of channel section.

SUSPENSION

Type : Semi elliptical leaf springs at front and rear.
Shock Absorbers : Hydraulic double acting telescopic type at front and rear.

BRAKES

Service Brakes : Dual air over hydraulic system
Lining area : Front - 1530 sq.cm.
Rear - 1410 sq.cm.
Total - 2940 sq.cm
Parking Brake : Spring actuated parking brake acting on rear wheels
Engine exhaust brake : Pneumatically operated, inter linked with service brake

WHEELS AND TYRES

Tyres : 12.00 x 20-18 PR cross country pattern
Wheel rims : 8.00 x 20
No. of wheels : Front : 2 Rear : 2 Spare : 1

ELECTRICAL SYSTEM

System voltage : 12 Volts
Battery : 12 V, 180 Ah capacity
Alternator capacity : 65 Amps

FUEL TANK

: 200 Litres

CAB

: All steel tilt type cab

CHASSIS DIMENSIONS (mm)

Wheel base : 3225
Track front : 1810
Track rear : 1824
Overall length : 5616
Overall width : 2145
Overall height : 2850
Front overhang : 1431
Rear overhang : 960

MASS (kg)

Bare chasis kerb mass with Cab and loadbody : 4150
Max. Permissible F.A.M : 3750
Max. Permissible R.A.M : 4000
Max G.V.M : 7650
Max G.C.M. : 9650
Loadbody : All steel loadbody with canvas cover

PERFORMANCE

Max gradability in 1st gear : 31 (degrees in 4x4) 21 (degrees in 4x2) (with std. gear box and rear axle)
Max. geared speed in top gear : In 4x4 : 54 kmph In 4x2 : 82kmph
Minimum turning circle dia in m : 14.3
Minimum turning clearance circle dia in m : 15.8

Accessories shown in picture are not standard equipment

CAUTION : Do not weld or drill on chassis frame.

Indicative Specifications for reference only. Contents are subject to change without notice.

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