

TATA MOTORS



LP 613



Specifications



ENGINE

Engine model	TATA 697 TCIC
Engine capacity (cc)	5675
Max engine output	88 kW (130 Ps) @ 2800 RPM as per CMVR TAP 115 / 116
Max engine torque	363 Nm (37 m-kg) @ 1500 - 2000 RPM



TRANSMISSION

Clutch type	Single plate dry friction type
Clutch dia (mm)	310 mm
Gearbox model	GBS-40, synchromesh
No. of gears	5 Forward, 1 Reverse



BRAKES

Brakes	Dual circuit full air S-Cam brake
Parking brake	Spring actuated parking brake acting on rear wheels
Engine exhaust brake	Coupled with service brake



SUSPENSION

Type	Semi elliptical leaf spring at front and rear
Shock absorber	Hydraulic double acting telescopic type at front and rear



ELECTRICAL SYSTEMS

System voltage	24 V
Alternator capacity	75 Amps
Battery	2 x 12 V, 150 Ah



TYRES

No. of Wheels	Front - 2, Rear - 4, Spare - 1
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Wheel rims	6.00 G x 16 SDC
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Tyre size	7.50 x 16-16 PR
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DIMENSIONS

Wheel base (mm)	3800
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Overall length (mm)	7510
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Overall width (mm)	2200
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Overall height (unladen)	2800
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Front overhang (mm)	1430
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Rear overhang (mm)	2280
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WEIGHTS

FAW (kg)	2800
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RAW (kg)	4700
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GVW (kg)	7500
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OTHER PARAMETERS

Front axle	Heavy duty forged I beam Reverse Elliot type
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Rear axle	Single reduction, hypoid gears, fully floating axle shafts
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Steering	Integral hydraulic assisted power steering
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Fuel tank (L)	90 / 120
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RA ratio	3.444:1 (31 / 9)
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PERFORMANCE

Gradeability 30.60%

Max speed 119 km/h

Turning circle diameter 13.5 m

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