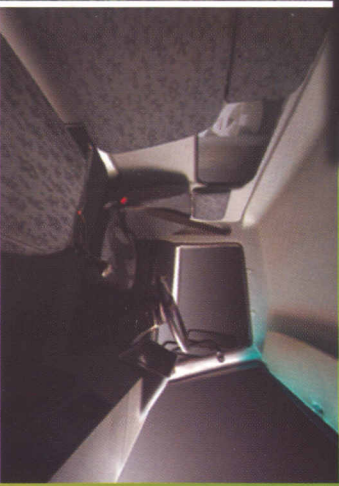


LPT 613 Ex2



TATA MOTORS

SPECIFICATIONS

LPT 613 EX2

ENGINE

Model	: TATA 697 NA (CMVR 2000)
Type	: Water cooled direct injection Diesel Engine
No. of Cylinders	: 6 inline
Bore / Stroke	: 97mm x 128 mm
Capacity	: 5675 CC
Max. Engine Output	: 88 Kw (130 PS) at 2800 rpm as per CMVR TAP 115/116
Max. Torque	: 363 Nm(37 mkg) at 1500-2000 rpm as per CMVR TAP 115/116

CLUTCH

Type	: Single plate dry friction type
Outside Diameter of Clutch Lining	: 310 mm

GEARBOX

Model	: GBS-40 synchromesh
No. of gears	: 5 Forward, 1 Reverse
Gear Ratios	: 1st - 7.51, 2nd - 3.99, 3rd - 2.50, 4th - 1.51, 5th - 1.00, Rev - 6.93 Optional : 1st - 7.51, 2nd - 3.99, 3rd - 2.30, 4th - 1.39, 5th - 1.10, Rev - 6.93

REAR AXLE

Ratio	: Single reduction, Hypoid Gears, Fully floating axle shafts. : 3.444:1 (31/9)
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FRONT AXLE

	: Heavy duty Forged I beam Reverse Elliot type.
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STEERING

	: Integral hydraulic assisted power steering
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FRAME

	: Ladder type frame with riveted/bolted cross members. Side members are of channel section
Side Member Size (mm)	: Depth: 200 (max) Width : 60

SUSPENSION

Type	: Semi elliptical leaf spring at front and rear with auxiliary springs at Rear only.
Shock Absorbers	: Hydraulic double acting telescopic type at front and rear.

BRAKES

Service Brakes	: Dual Circuit full air S-Cam brake
Lining Area	: Front -1236 sq cm Rear - 1236 sq cm, Total - 2472 sq cm
Parking Brake	: Spring actuated parking brake acting on rear wheels
Engine Exhaust Brake	: Coupled with service brake.

ELECTRICAL SYSTEM

System Voltage	: 12 Volts
Alternator Capacity	: 65 Amps
Battery	: 12 V, 180 Ah
Wind screen wiper	: 17 W - 2 speed and intermittent wipe
Wind screen washer	: Electrically operated

WHEELS & TYRES

Tyres	: 7.50 R 16 - 14 PR Radial (14 instead of 16)
Wheel rims	: 6.00 G x 16 SDC
No. of wheels	: Front - 2, Rear - 4, Spare - 1.

CAB

	: All steel full forward control
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MAIN CHASSIS DIMENSION AS PER IS:9435

Wheel Base (mm.)	: 3400	3800
Overall Length (mm.)	: 6205	6875
Max. Width (mm.)	: 2155	2155
Max. Height (unladen)	: 2341	2341
Front overhang	: 1275	1275

WEIGHTS (kg)

a. Max permissible FAW	: 2800
b. Max permissible RAW	: 4700
c. Max permissible GWW	: 7500

PERFORMANCE

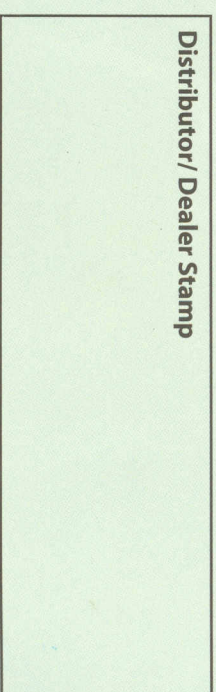
Max. gradability in 1 st Gear (with standard) gear box & rear axle)	: 30.6%	Wheel base (mm)	3800
Max. geared speed in top gear (with standard rear axle)	: 119 kmph		
Minimum turning clearance circle Dia in m. as per IS:9435	: 14.8		16.1

FUEL TANK

Capacity	: 90 litres	120litres
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Suitable for Applications such as Tipppers, Load body, Containers, Cranes, Cherry Picker & Garbage compactor

Distributor/ Dealer Stamp



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