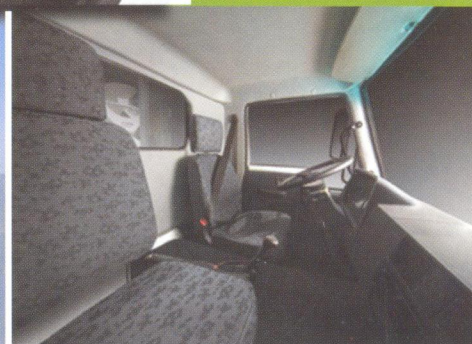
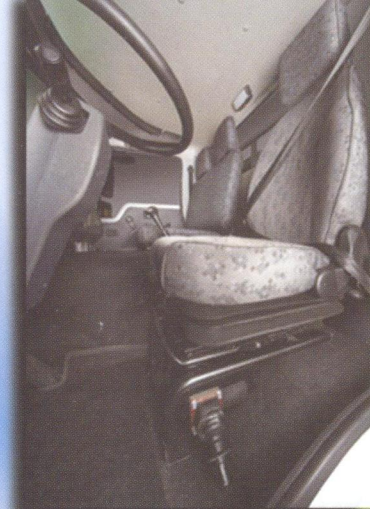


LPT 1116 Ex2

TATA



TATA MOTORS

SPECIFICATIONS

TATA LPT 1116 Ex2

ENGINE

Model	: TATA 697 TC/IC EURO-II
Type	: Water cooled direct injection Diesel
	: Engine with Inter-cooler
No. Of Cylinders	: 6 inline
Bore / Stroke	: 97 mm x 128 mm
Capacity	: 5675 cc
Max. Engine Output	: 118 kw @ 2400 rpm
Max. Torque	: 550 Nm @ 1500-1700 rpm
Compression Ratio	: 17.5:1
Firing Order	: 1-5-3-6-2-4
Air Filter	: Dry type , remote mounted
Oil Filter	: Full flow paper type
Fuel Filter	: Two stage pre and fine filtration
Fuel Injection Pump	: Rotary (mechanical)
Governor	: Centrifugal type variable speed
Capacity Of	
Cooling System	: 20 litres
Crankcase Oil Capacity	: Max. 14 litres Min. 12 litres
Weight Of Engine	: 440 kg(Dry)
Radiator Frontal Area	: 3980 sq cm

CLUTCH

	: Single plate dry friction pull type, Booster assisted.
Outside diameter of clutch lining	: 352 mm
Friction Area	: 464 sq cm (approximately)

GEAR BOX

Model	: G 600 6/6.58 with overdrive
No. of gears	: 6 Forward, 1 Reverse
Gear Ratios	: 1st - 6.58, 2nd - 3.79, 3rd - 2.29, 4th - 1.49, 5th - 1.00, 6th - 0.77 Rev - 5.66 with PTO provision.

REAR AXLE

	: Single reduction, hypoid gear, fully floating axle shafts.
Ratio	: 5.285:1 (37/7)

FRONT AXLE

	: Heavy duty Forged I beam reverse Elliot type
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STEERING

Steering Gear Box	: Power assisted hydraulic steering Ratio 20.2:1
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BRAKES

Service Brakes	: Dual circuit full air S-Cam brake. Brake Drum Diameter 360 mm Lining Area Front - 1760 sq cm Rear - 1760 sq cm Total - 3520 sq cm
Parking Brake	: Spring actuated parking brake acting on rear wheels only
Engine Exhaust Brake	: Coupled with service brake

FRAME

	: Ladder type frame with rivetted/bolted cross members Side members are of channel section Depth : 219 mm (max) Width : 58 mm.
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SUSPENSION

Type	: Semi elliptical leaf spring at front and rear with auxiliary springs at rear only
Spring Span	: Front - 1450 mm Rear - 1660 mm
Leaf Width	: Front - 70 mm Rear - 80 mm
Shock Absorber	: Hydraulic double acting telescopic type at front only.

WHEELS AND TYRES

Tyres	: 8.25X20-14PR
Wheel Rims	: 6.00 X 20
No. Of Wheels	: Front - 2 Rear - 4 Spare - 1

FUEL TANK

Capacity	: 160 litres
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CAB

	: All steel full-forward control driver's cab with torsion bar assistance
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ELECTRICAL SYSTEMS

System Voltage	: 24 Volts
Alternator Capacity	: 75 Amps
Battery	: 2X12V, 120 Ah capacity

PERFORMANCE

Max. Geared Speed in Top Gear (With Std. Rear Axle):	105 kmph
Max. Climbing Ability in 1st Gear (With std. Gear Box and Rear Axle)	: 34%
Minimum Turning Circle Dia in m as per IS:9435	: 16.6
Minimum Turning Clearance Circle Dia. in m as per IS : 9435	: 18.4

MAIN CHASSIS DIMENSIONS AS PER IS 9435 (mm)

Wheel Base	: 4200
Track Front	: 1800
Track Rear	: 1690
Overall Length	: 7700(WITH REAR TOW HOOK)
Max. Width	: 2270
Overall Height (Unladen)	: 2430 (with cab)
Front Overhang	: 1275

WEIGHTS (kg)

Max. Permissible FAW	4000 kg
Max. Permissible RAW	7500 kg
Max. Permissible GVW	11500 kg
Complete chassis kerb weight with cab without loadbody	: 4090 Kg(FAW = 2480 Kg, RAW = 1610 Kg)

Accessories shown in the picture or elsewhere do not constitute standard fitment.

CAUTION : Do not weld or drill on chassis frame.

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

For further details please contact : TATA Motors or your nearest Tata Motors Distributor

TATA MOTORS LIMITED

International Business, One Indiabulls Centre,
Tower 2A, 14th Floor, 841, Senapati Bapat Marg,
Elphinstone Road, Mumbai 400 013
Tel No. 022 67577200 Fax No. 022 67577275
www.tatamotors.com www.tata.com
www.cvglobal.tatamotors.com