

TATA MOTORS



*Innovative Solutions
for your Business
from TATA MOTORS*



TATA

LPT 709 Ex2

Profitable | Fuel Efficient | Reliable

SPECIFICATIONS LPT 709 Ex2

ENGINE

Model	TATA 497 TCIC
Type	Water cooled direct injection, turbo charged diesel engine
No. of Cylinders	4
Bore / Stroke	97 mm x 128 mm
Capacity	3783 cc
Max. Engine Output	67.5 kw (90 PS) at 2400 rpm
Max. Torque	285 Nm at 1400 to 1600 rpm
Compression Ratio	17.5: 1
Firing Order	1-3-4-2
Air Filter	Dry type
Oil Filter	Full flow paper type
Fuel Filter	Two stage fine filtration
Fuel Injection Pump	In line type
Capacity of cooling	18 litre
Crankcase oil capacity	Max. 9 Litre minimum 7 Litre
Weight of Engine	390 kg (Dry)
Radiator front all Area	2414 sq cm

FUEL TANK CAPACITY

120 litres

ELECTRICAL SYSTEM

System voltage	12 volts
Battery	12 volts 120 Ah
Alternator Capacity	35 Amps

CLUTCH

Type	Single plate dry friction
Lining	280 mm Diameter outside

GEARBOX

Model	GBS 27
No of Gears	5 forward 1 reverse

GEAR RATIOS

1 st	6.17
2 nd	3.34
3 rd	1.89
4 th	1.33
5 th	1
6 th	-
Reverse	5.60

FRONT AXLE

Heavy duty forged beam, reverse Elliot type

REAR AXLE

Ratio	3.875 : 1
Steering	Integral hydraulic Power assisted steering
Frame	Ladder Type

BRAKES

Service Brake	Dual circuit full air S-cam brakes
Brake Drum Diameter	325 mm
Lining Area	Front - 1236 sq cm
	Rear - 1236 sq cm
	Total - 2472 sq cm
Parking Brake type	Spring actuated parking brake acting on rear wheels

Engine Exhaust Brake

Coupled with service brakes

FRAME

Ladder type frame with riveted / bolted cross members, side members are of channel section

SUSPENSION

Type	Semi elliptical leaf springs at front and rear
Spring Span	Front - 1150 mm
	Rear - 1220 mm
Leaf Width	Front - 700 mm
	Rear - 70 mm
Shock Absorber	Hydraulic double acting telescopic type at front and rear

WHEELS AND TYRES

Tyres	7.5 R 16 - PR (front and rear)
Wheel Rims	6.00 G x 16 SDC
No of Wheels	front : 2 Rear : 4 Spare 1

PERFORMANCE

Max. Gradeability in 1 st Gear with Standard gear box & rear axle	20 %
Max Geared Speed in top Gear (with std. Rear Axle)	90 kmph

Minimum Turning Circle	13.5
Dia in m as per IS 9435	
Minimum Turning Clearance Circle in Dia	14
m as per IS 9435	

CAB

All Steel full forward control driver's cab with tilting arrangement and with torsion bar assistance

MASS (KG)

Max. Permissible F.A.M	2800
Max. Permissible R.A.M	4700
Max. Permissible G.V.M as per IS: 9211	2760

CHASSIS DIMENSIONS (MM)

Wheel Base	3800
Track Front	1650
Truck Rear	1587
Overall Length	6875
Max. Width	2455
Front Overhang	1275
Loading Platform Area (Sq. m.)	10.3

WARRANTY

36 months or 300,000 km whichever comes first.



TATA
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Options available
High Deck DSLB Cabin chassis



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