

TECHNICAL SPECIFICATIONS

Model	LPT 1918 5 L Turbotronn	LPT 1918 5 L Advantage
ENGINE		
Model	5 L Turbotronn DICR BS4	
Type	Compression ignition	
	Water-cooled direct injection turbo-charged inter-cooled common rail diesel engine	
No. of Cylinders	4 inline	
Bore/Stroke	112 mm x 127 mm	
Capacity	5 005 cc	
Max. Engine Output	132 kW @ 2 400 r/min	
Max. Torque	590 Nm @ 1 000 - 2 000 r/min	
Fuel Filter	2-stage fuel filtration pre & main fuel filter with water separator	
		<ul style="list-style-type: none"> Fuel intelligent Flattest torque curve in industry for class-leading fuel economy Max. torque for excellent driveability Lesser no. of gear shifts for fatigueless driving Highest low-end torque for easy restartability Superior wheel traction and pulling power Benchmark capability of gradient negotiation Increased life of fuel injector and fuel filter
DRIVELINE & CHASSIS		
CLUTCH		
Type	Single plate dry friction type booster-assisted; 352 mm dia	<ul style="list-style-type: none"> Organic clutch for smooth and efficient engine torque transfer Longer clutch life No maintenance No burning No wear adjustment
GEARBOX		
Model	G750 6 F + 1 R	
Gear Ratio	9.19, 4.983, 2.967, 1.933, 1.397, 1 Rev - 8.128	
Gear Shift	Cable-operated with dashboard mounted gear shift lever	
REAR AXLE		
Model	MS 13-145 M/s Meritor Make	
Description	Single reduction hypoid gears Fully floating axle shafts	
Ratio	RAR: 4.11	
FRONT AXLE		
Type	7T extra heavy duty forged I beam Reverse Elliot type	<ul style="list-style-type: none"> World-class Meritor Make rear axle with shallower RAR coupled with higher engine torque and deeper transmissions ratios High efficiency drivetrain Suits optimal torque at wheel and mileage requirement for the widest range of applications and operating gradients
FRAME & SUSPENSION		
Type	Ladder type heavy duty frame High strength HS 800 long member Front suspension: Option of parabolic and multi leaf semi-elliptical Rear suspension: Multi leaf semi-elliptical with aux spring	<ul style="list-style-type: none"> Proven FA with enhanced forging with best-in-class durability and excellent tyre life Chassis with optimised weight & stiffness Best-in-class vehicle handling Higher durability & strength Superior load bearing capacity suitable for all terrain of load Superior riding comfort Better shock insulation Better stress prevention Better road stability Higher bump factor
PERFORMANCE, TYRES & GVW		
STEERING		
Type	Power-assisted - hydraulic; 23.6:1	<ul style="list-style-type: none"> Ergonomic steering wheel with higher stg. ratio for easy driving and maneuverability
BRAKES		
Type	Drum - drum configuration with BS 180 mm width Masu NA 1707 liner	<ul style="list-style-type: none"> Air drum brakes for better safety, reliability & minimal maintenance
PERFORMANCE		
Wheelbase	4 225 mm 4 855 mm 5 195 mm 6 750 mm	<ul style="list-style-type: none"> Choice of 4-deck lengths across 4 wheelbases Clinically designed axle spacing for better load distribution across applications Highest gradeability to suit applications across terrains Low TCD for easy maneuverability
Gradeability	32.7 % at rated GVW	
Min. Turning Circle Dia	16 700 mm	
TYRES		
Size & Type	Option 1: 295/80R 22.5 Tubeless (F+R) Option 2: 295/80R22.5 Tubeless (F) + 10R20 (R)	<ul style="list-style-type: none"> Radial tyres Superior mileage Higher tread life & traction Greater productivity & riding comfort
VENTILATION		
Type	Forced ventilation (blower)	<ul style="list-style-type: none"> Conducive for body building Lower operating cost
EMISSION CONTROL		
Type	Exhaust gas recirculation	<ul style="list-style-type: none"> Automatic operation Low cost No DEF required

SERVICE & MAINTENANCE

Maintenance: Service Interval	km	The 1918 5 L Advantage
Engine Oil Drain Interval	80 000	<ul style="list-style-type: none"> Enhanced service intervals Minimal maintenance cost Higher uptime & TAT Unmatched reliability Maximum profitability Synthetic grease for higher life & temperature resistance
Gearbox Oil Change Interval	1st: 1 20 000 2nd: 1 60 000	
Axle Oil Change Interval	1st: 1 20 000 2nd: 1 60 000	
Hub Greasing Interval	1st: 1 20 000 2nd: 1 60 000	
Oil Filter Change Frequency	80 000	
Fuel Filter Change Frequency	80 000	
Air Filter Cartridge Change Frequency	80 000	
Coolant Change Frequency	2 40 000	

Durability		
Warranty: Vehicle & Driveline	Driveline: 6-year/6 lakh km Vehicle: 3-year/3 lakh km	<ul style="list-style-type: none"> Best-in-industry aggregate, durability & design life Minimal service cost Best resale value Best-in-class tyre mileage Peace of mind

FREE SERVICES - LPT 1918 5 L

Sr.	Free Service	km	Months
1	PDI	At the time of delivery of vehicle	
2	Wheel Alignment	3 000 - 5 000	
3	First Service	79 500 - 80 500	12
4	Second Service	1 59 500 - 1 60 500	24
5	Third Service	2 39 500 - 2 40 500	36

TATA MOTORS

For more information, please visit our website: www.tatatrucks.tatamotors.com
You can also contact our Sales Office: Tata Motors Limited, 4th Floor, Ahura Centre, 82, Mahakali Caves Road, MIDC, Andheri (East), Mumbai - 400 093 or call toll-free no. 1800 209 7979.

*Terms & Conditions apply as per the policy of ITGI. Insurance available on light, intermediate & heavy commercial vehicles. CAUTION: Accessories shown in the picture or elsewhere do not constitute standard fitment. The specifications are merely indicative. Due to continuous product improvements, these specifications are liable to change without notice.

Tata Motors Ka Bharosa Rahe Aapke Saath Har Kadam



TATA MOTORS
Connecting Aspirations



LPT 1918 5L TURBOTRONN
A new era in performance & profitability



**ENHANCED DRIVETRAIN
HIGHER CAPACITY AXLES
HIGHER GVW | HIGHER PAYLOAD**

18 500 kg GVW

DUMDAAR PERFORMANCE. SHANDAAR MILEAGE.

PRESENTING TURBOTRONN ENGINE

- Best-in-Segment Fuel Economy
- Up to 7 00 000 km of Engine Life
- Superior Reliability
- Low Maintenance Cost
- BS4 to BS6 Emission Protection
- Higher Power and Torque
- Powerful Performance



TURBOTRONN
THE FUEL-INTELLIGENT ENGINE

5L TURBOTRONN AN ENGINEERING EXCELLENCE



- ▶ 1800 bar common rail FIE
- ▶ Solenoid injectors
- ▶ Waste gate turbocharger
- ▶ SOHC | 4 valves/cylinder for high power density
- ▶ Multilayered steel cylinder head gasket
- ▶ Rear timing gear drive
- ▶ Aluminium Piston | Fracture split connecting rod
- ▶ Centrifuge oil filter for enhanced oil change interval
- ▶ Bed plate for improved NVH and low distortion
- ▶ DC motor linear Electrical EGR with EGR cooling
- ▶ Laminated sheet oil sump
- ▶ Low power consuming 24-inch e-viscous fan



KEY FEATURES



India's first MCV Cowl with "Fuel-Intelligent" 5 L 4-cylinder Turbotronn engine



10 % higher fuel economy than nearest competition



2 30 000 more operating profit over nearest competition

CUSTOMER BENEFITS



Highest fuel-efficiency in medium duty trucks



Industry leading operating profit



Lowest TCO (₹/ton/km) in MCV space



Enhanced drivability, better uptime, lower maintenance cost, higher durability & reliability

LPT 1918 5 L TURBOTRONN - APPLICATIONS

Description	Wheelbase	Applications
LPT 1918 / 42 5 L Cowl Turbotronn	4 225	POL Tanker (PESO approval of 14 kl), Packed LPG, Cement Bags, Industrial Goods, Agri Products, Construction Aggregates, Sand, MLO, Sugarcane, Fisheries, Poultry, Milk/Edible Oil Tankers, Timber, Road Sweeper, Garbage Compactor & Water Tankers
LPT 1918 / 48 5 L Cowl Turbotronn	4 855	Industrial Goods, Auto Components, Parcel, Industrial Coils, Cotton & Hosiery, CNG Caskets, Industrial Coils & Cables, Marbles & Tiles, Paper and MLO
LPT 1918 / 52 5 L Cowl Turbotronn	5 195	Reefers, E-commerce and Parcel & Courier
LPT 1918 / 68 5 L Cowl Turbotronn	6 750	Auto Logistics, White Goods, FMCG, E-commerce and Reefers



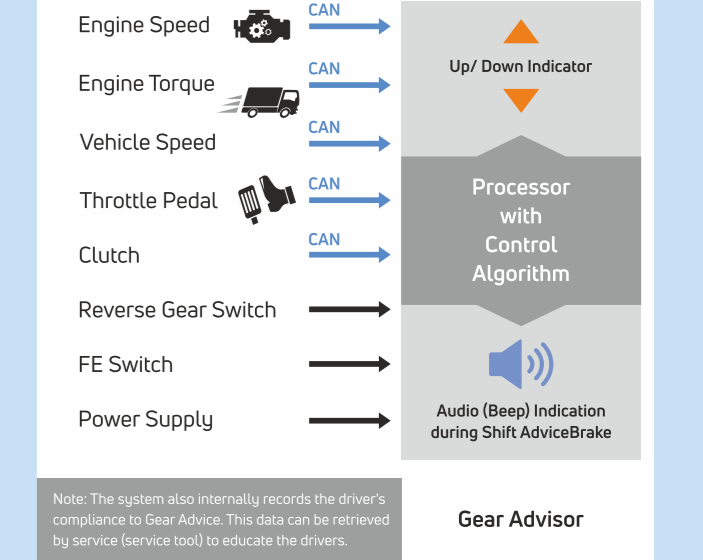
GEARBOX G750 6-SPEED



WORLD-CLASS MERITOR MAKE REAR AXLE

GEAR SHIFT ADVISOR

Gear Shift Advisor System Architecture



Principle of Shift Logic



Advise Up/Down (▲ ▼) shifts considering:

- Efficient operating zones of the engine
- Driver intent: Coast | Drive | Accelerate
- Vehicle situations: Uphill/Downhill | Acc./Dec. Empty/Loaded
- Real-time engine torque monitoring