

TECHNICAL SPECIFICATIONS

Model	LPT 1618 5 L Turbotronn	LPT 1618 5 L Advantage
ENGINE		
Model	5 L Turbotronn DICR BS4	
Type	Compression ignition Water-cooled direct injection turbocharged 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	
DRIVELINE & CHASSIS		
CLUTCH		
Type	Single plate dry friction type booster assisted; 352 mm dia	
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	
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	
PERFORMANCE, TYRES & GVW		
STEERING		
Type	Power assisted - hydraulic; 23.6:1	
BRAKES		
Type	Drum-drum configuration with BS 180 mm width Masu NA 1707 liner	
PERFORMANCE		
Wheelbase	4 225 mm 4 855 mm 5 195 mm 6 750 mm	
Gradeability	32.7 % at rated GVW	
Min. Turning Circle Dia.	16 700 mm	
TYRES		
Size & Type	10 R 20 16 PR radial tube 295/80R22.5 tubeless radial (option)	
VENTILATION		
Type	Forced ventilation (Blower)	
EMISSION CONTROL		
Type	Exhaust gas recirculation	

SERVICE & MAINTENANCE

Maintenance: Service Interval	km	The 1618 5 L Advantage
Engine Oil Drain Interval	80 000	
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	

FREE SERVICES - LPT 1618 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 1618

5L TURBOTRONN

HIGHER PICKUP QUICKER DELIVERIES

16 200 kg Gross Vehicle Weight

*Images are representational

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

E-Comm Features

CCTV Camera	✓
Door Opening sensor	✓
Hidden Lock with OTP	✗
Anti-fuel theft system	✓
Temporary partition	✗
Side Door	✓
Load sensor with GPS tracking	✓
2nd Camera inside container	✓
Cabin Camera	✓
Touchpad	✓
Monotring during Ignition off	✓
Rear View camera	✓

Dimensions

External	9 450 mm x 2 590 mm x 2665 mm
Internal	9 320 mm x 2 525 mm x 2 440 mm
Side Panel	
Type	MS Corrugated Panels
Thickness	1.6 mm
Floor	
Type	MS Chequered Sheet
Thickness	3.15 mm
Roof Panel	
Type	MS Embossed Panels
Thickness	1.6 mm
Tail Door	
Type	270° Opening Doors with EPDM Rubber
Paint	
Type	2K PU Paint
Other fitments	
Lamp inside container • Regulatory parts • Temporary partition	

LPT 1618 5 L TURBOTRONN - APPLICATIONS

Description	Wheelbase	Applications
LPT 1618 / 42 5 L Cowl Turbotronn	4 225	Packed LPG, POL Tanker, Cement Bags, Industrial Goods, Agri Products, Construction Aggregates, Sand, MLO, Timber, Sugarcane, Fisheries, Poultry, Milk/Edible Oil Tankers, Road Sweeper, Garbage Compactor and Water Tankers
LPT 1618 / 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 1618 / 52 5 L Cowl Turbotronn	5 195	Reefers, E-commerce and Parcel & Courier
LPT 1618 / 68 5 L Cowl Turbotronn	6 750	Auto Logistics, White Goods, FMCG, E-commerce and Reefers



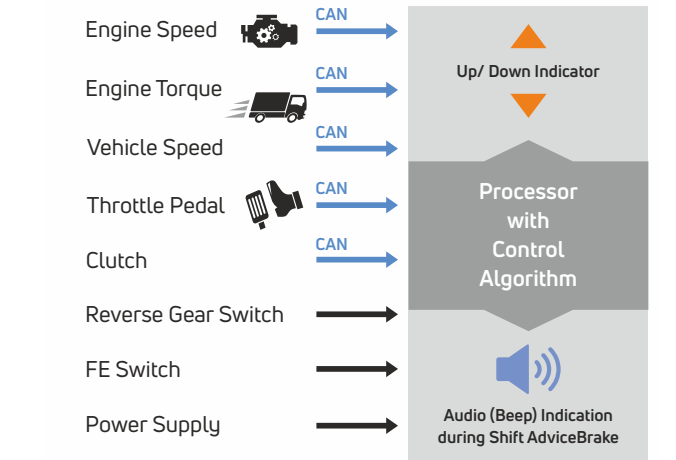
GEARBOX G750 6-SPEED



WORLD-CLASS MERITOR MAKE REAR AXLE

GEAR SHIFT ADVISOR

Gear Shift Advisor System Architecture



Note: The system also internally records the driver's compliance to Gear Advice. This data can be retrieved by service (service tool) to educate the drivers.

Gear Advisor

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