



ASHOK LEYLAND

Koi Manzil Door Nahin

4825 SERIES 10X2 TIPPERS

**BUILD YOUR
OWN TIPPER**



Best-in-class fluid efficiency



Superior TCO



Best-in-Class Safety



HINDUJA GROUP

ASHOK LEYLAND i-Gen6 ADVANTAGE

Over the years, Ashok Leyland Ltd., strove to deliver performance beyond excellence with inline or 'SAADA' pump for BS-III and iEGR technology for BS-IV.

Now with BS-VI, taking the proven iEGR technology up a notch, we are introducing the i-Gen6 engine technology which enhances the engine performance and durability further. With lower Diesel Exhaust Fluid (DEF) consumption and compact design, i-Gen6 lowers the cost of operation, offering better fluid efficiency and low maintenance. The unique Mid-NOx strategy ensures overall lower cost of ownership.

Innovative



Improved efficiency -

- Controls NOx generation within the engine itself



Lower TCO -

- Lower Diesel Exhaust Fluid (DEF) consumption
- Lower operational cost

Intelligent



Simple functioning -

- Lesser number of sensors



Improved life of Exhaust After Treatment System

- Patented air-assisted DEF injection and unique HC dozer
- Lower maintenance cost

Indian



Mid-NOx technology

- iEGR + SCR
- Higher fluid efficiency



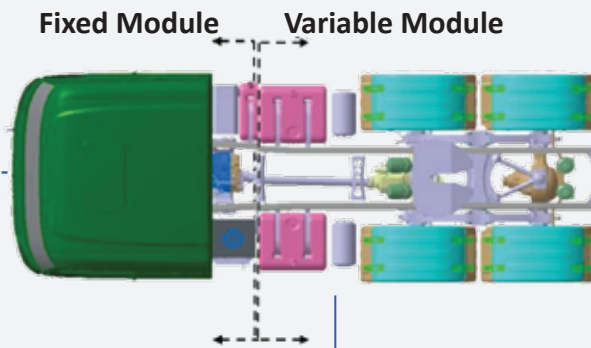
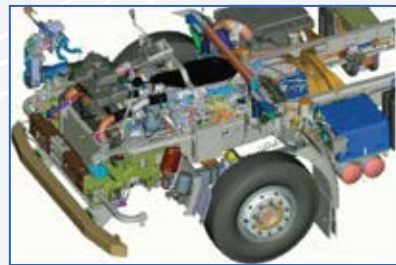
Highly robust -

- Best suited for Indian driving condition

- Superior mileage: Proven iEGR engine combined with innovative air intake system and exhaust treatment offers higher performance
- Longer active regeneration intervals: Ensures longer DPF life
- Compact Exhaust After Treatment System: Allows flexibility in packaging / better space utilisation
- Larger Diesel Exhaust Fluid (DEF) tank: Coupled with lower consumption, ensures less frequent DEF refills
- Shortest first pipe length in exhaust system: Best-in-class thermal management

AVTR - THE ALL NEW TRULY MODULAR TRUCK RANGE

The brand name 'AVTR' is derived from the 'Avatar'. It refers to manifestation or version. The name reflects the flexibility, customization and choice exercised by the customer to develop the most judicious and optimized version of the vehicle. AVTR is a revolutionary, industry first modular truck platform from Ashok Leyland that is powered by i-Gen6 technology. AVTR's incredibly diverse range of options lets you customize your truck based on your load, terrain, and application requirements. Your power to choose is spread across the entire range from 18.5-55 tons. The AVTR range of trucks come with multiple options of axle configuration, loading spans, cabins, suspensions, drivetrains on a single platform. This is not just a revolution in customization, it's a game changing innovation that offers you a whole new trucking experience. The AVTR range comes with a promise of improved reliability, performance and overall TCO advantage. With AVTR, we believe that you should be able to build your trucks just like you build your success – your way. We take the leap to the future, where you dream, and we deliver.



Wide range of Trucks



Wide range of Tippers



Wide range of Tractors

BUILD YOUR OWN TIPPER

Modular design now allows to build your own truck to suit your operational requirements like





Best-in-class
fluid efficiency



Superior Tyre
Mileage


Higher Reliability &
Low Maintenance Cost


Better Productivity &
Performance


Higher Safety


Cabin Options and
Comfort features

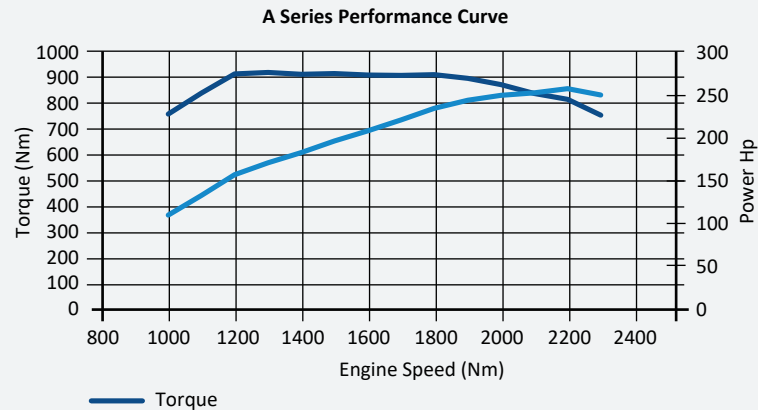

Overall TCO
advantage

AGGREGATE DETAILS



i-Gen6 A Series Engines

- Power 185Kw@ 2400rpm
- Torque 900Nm @ 1100 - 1800 rpm
- Better fuel efficiency
- Better NVH characteristics
- High power and high torque at low speeds
- In-house manufacturing
- Four valves per cylinder for improved volumetric efficiency
- Engine brake available



Wider RPM rang

- Better pickup
- Lesser gear shif
- Higher fuel effi
- Improved drive



Compact EATS

- Single systems across multiple vehicles
- Compact design
- Higher durability
- Longer DPF regeneration intervals
- Longer DEF filling interval



ZF - 9 Speed Gearbox

Proven design by ZF, world leaders in gearbox technology

- Higher reliability and durability
- High load carrying ability
- Lowest cost of service
- 3000Hrs Oil change period

AGGREGATE DETAILS



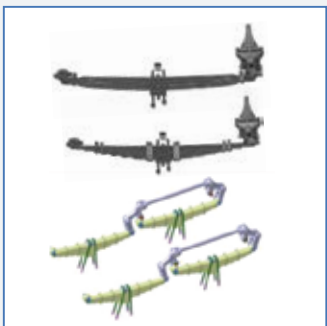
Rear Axle

- 5.86:1 Ratio based on the load and road chosen
- Heat treated crown wheel pinion
- Parallel U-bolt arrangement
- Tandem Dummy axle
- Oil change period 2000Hrs



Propeller shaft

- Lube for life UJ across all series - greasing eliminated
- Double honeycomb rubber for enhanced damping
- Series 590



Suspension

- Multi-springs and parabolic options available in front
- Higher shackle pin diameter
- Anti-roll bar and shock absorber at front available
- 1650mm span at front and 1270mm span at rear for better ride and handling
- Parallel U-bolt arrangement
- Heavy-duty spring brackets



Clutch Assembly

- 395mm dia clutch plate
- Higher clutch plate life
- No greasing points in entire clutch actuation system
- Hydraulic actuation with clutch booster
- Low driving fatigue for longer hours of operation
- Higher durability

AGGREGATE DETAILS



Front axle

- Heavy duty front axle with greater load bearing ability
- Higher wheel lock angle and smallest turning radius among competition
- Higher Wheel lock angle for lower turning circle diameter
- Easy maneuverability
- Anti roll bar with Suspension available



Brake system

- 10bar system pressure – more free air buffer in the system for improved braking
- 318 cc Air Compressor – faster filling of air despite additional storage of air in auxiliary system



Rugged box body

- 29cum Capacity BSK46 Material Box body
- Full length sub frame provided
- Additional internal flitch for higher strength
- Longer cleat plates for higher strength
- Hat section Cross Bearers
- Body prop's are provided on both sides to ensure safe maintenance work.
- Various Box body capacities available



Heavy duty hydraulic cylinder

- 174mm dia FE cylinder
- Higher buckling withstand capacity & better lateral stability
- Ashok Leyland in-house support -Warranty will be attended at dealers
- Trained manpower -Better workshop TAT

AGGREGATE DETAILS

Tilt sensor fitted under the body



Anti-Toppling Kit

ATK (Anti toppling Kit) valve to control the tipping and valve to cut off the tipping based on feedback from roll over safety system (Sensor)

Dual Tyre Lift axle

- In house development – Robust for Indian conditions
- Pressure Limiting valve limits the pressure to LA System for Better Bellow Life
- Lift axle valve with inbuilt Logic - Better tyre life



Captain sleeper Cabin

- Full front metal jacket (No fiber)
- Crash test approved
- Low cost of repair, easy to repair, higher life
- BIC Lowered cab with 3 step entry - Better ingress & egress, Better visibility
- Comfortable sleeper cabin



AGGREGATE DETAILS

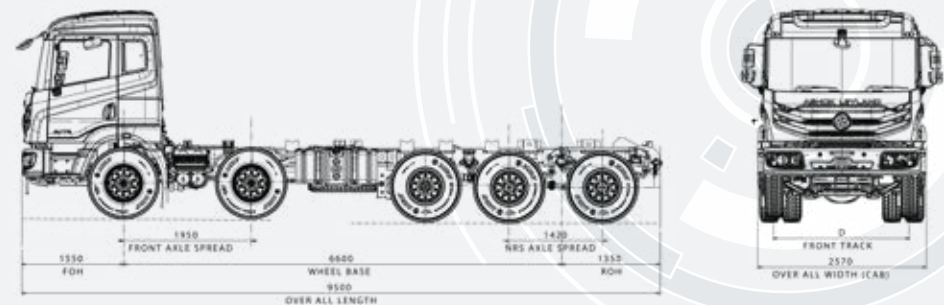
SPECIFICATIONS

Engine type	A4 Series CRS Engine
Maximum Power	185Kw @ 2200rpm
Maximum Torque	900 Nm @ 1100 - 1800 Rpm
Clutch	395mm dia, Diaphragm type with single plate Ceramic with clutch booster
Gearbox	9 speed synchromesh – CGR - 12.73
Propeller shaft	3 Propeller Shafts
Rear Axle	Fully floating single speed rear axle, Hypoid differential RAR: 5.86:1 Tandem Dummy
Front axle	FA99 Forged I section – Reverse Elliot type
Steering	Hydraulic assisted power steering
Frame	275 X 75 X 8+6 mm – Bolted construction, Constant width

Cabin options	Tiltable N sleeper cabin, AC optional
Front Suspension	Parabolic type 90mm width
Rear Suspension	NRS - 80mm spring width
Brake	Full air dual line brakes with ABS with ASA Parking brakes on rear wheels only
Fuel tank	300L cross-linked polymer Fuel Tank on LH side
Ad blue tank	24 Lts capacity on RH side
Electricals	120AH Batteries, 150AH Batteries for AC Cabins
Gradeability	23.3%
Tyre options	11x20 16PR 11R20 16PR
GVW	47500 Kg

Wheelbase(mm)	6600mm	6600mm
Load body	29 CuM BOX	CAB CHASSIS

SCHEMATIC LAYOUT





ALCARE | IALERT | LEYKART | LEYPARTS® | AMC | RECON

TECHNICAL TRAINING | DRIVER TRAINING | HELPLINE | elite
BY ASHOK LEYLAND



CIN: L34101TN1948PLC000105

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