

TATA MOTORS KA BHAROSA RAHE AAPKE SAATH HAR KADAM

TATA MOTORS
SAMPOORNA SEVA
 AAPKE SAATH HAR KADAM
 TOLL FREE
1800 209 7979

Services listed around the central hub:
 TATA MOTORS INSURANCE, 6 YEAR WARRANTY, TATA FLEETMAN, TATA DELIGHT, TATA OK, TATA GENUINE PARTS, TATA SURAKSHA, TATA PROLIFE, TATA KAVACH, TATA ALERT



Terms & Conditions apply

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
 Connecting Aspirations



DRIVE
 THE
 BIGGEST.
 OWN
 THE BEST.



SIGNA 4923.T India's Biggest Rigid Truck



Industry-first 6-axle 16-wheeler 49T Truck

Big Truck | Big Comfort | Big Profit



HIGHEST* PAYLOAD CAPACITY | HIGHEST* REVENUE EARNING POTENTIAL

49 000 KG GROSS VEHICLE WEIGHT

Profit from the power of India's biggest rigid truck

SIGNA 4923.T



BIG

ON FEATURES



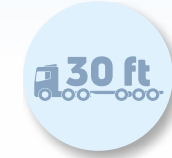
India's 1st 16-wheeler 6-axle 49T Rigid Truck



35T payload capacity



HIGHEST* revenue earning potential in rigid truck space



Deck length 30 ft



SIGNA driving comfort & ergonomics, with AC

BIG

ON CUSTOMER BENEFITS



LOWEST* total cost of ownership (Rs./ton/km) in rigid truck space



Industry leading* operating profit



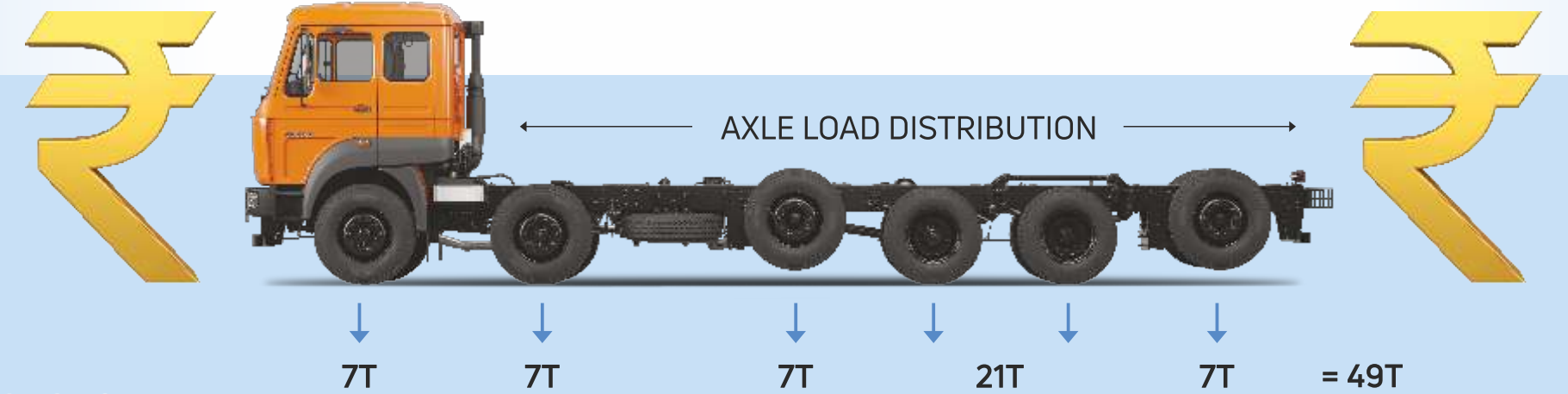
Better trip times



Better productivity & return on assets



Best-in-class* performance on road



BIG ON APPLICATIONS



TATA ADVANTAGE

- India's first 6-axle, 16-wheeler suitable for the widest range of applications
- Maximum loading ability
- Lowest cost per ton km
- Higher fuel efficiency
- Lower maintenance cost
- Longer service intervals
- Low cost spare
- Customisable AMC offers 6-year/6-lakh km driveline warranty
- Widest spare & service network
- Highest resale value in segment
- Most viable acquisition cost
- Sustained business profitability
- Best-in-industry durability and reliability

SIGNA 4923.T



TECHNICAL SPECIFICATIONS

ENGINE		
Model	Cummins ISBe 5.9L BS4 230HP T1	<ul style="list-style-type: none"> • High power-to-weight ratio for excellent road performance • Flattest torque curve in segment for class leading fuel economy on all applications and terrain • Higher max. torque for excellent drivability Lesser no. of gear shifts for fatigueless driving under all road load conditions • Superior wheel traction & gradeability
Type	CI Water-cooled direct injection turbo-charged inter-cooled Common Rail Diesel Engine [Cummins fuel injection]	
No. of Cylinders	6 Inline	<ul style="list-style-type: none"> • Increased life of fuel injector and fuel filter
Bore/Stroke	102 mm x 120 mm	
Capacity	5 883 cc	
Max. Engine Output	171 kW @ 2 500 r/min	
Max. Torque	810 Nm @ 1 000 - 1 800 r/min	
Fuel Filter	Two-stage fuel filtration Pre & main fuel filter with water separator	
FEATURES		
	26" Electronic viscous fan Waste gate turbocharger Engine brake	<ul style="list-style-type: none"> • Need-based power consumption for engine cooling resulting in higher fuel economy • Higher power density Reduced fuel consumption • 20 % higher brake life Improved braking efficiency
CLUTCH		
Type	Single plate dry friction type booster-assisted; 380 mm dia organic	<ul style="list-style-type: none"> • Organic clutch for smooth and efficient engine torque transfer • Longer life Zero wear adjustment Zero maintenance
GEARBOX		
Model	G 1150 9 Forward + 1 Reverse	<ul style="list-style-type: none"> • 9S proven and reliable high capacity transmission to suit multitude of applications and operating terrain optimizing wheel torque, gradeability and fuel efficiency
Gear Ratio	FGR: 12.868 TGR: 1.00	
Gear Shift	Linkage type gear shift lever	
REAR AXLE		
Model	RA-110HD at RFWD and RA-910 at RRWD	<ul style="list-style-type: none"> • Evenly optimized RAR to balance desired traction for high GVW and fuel economy requirement • 21 000 kg designed capacity with wider track for supporting high tonnage node • Reinforced rear axle design for high durability and load bearing ability
Description	Single reduction hypoid gears; extra heavy duty, fully floating axle shafts	
Ratio	5.85 RAR	
FRONT AXLE		
Type	7.5T capacity heavy duty forging 2 steerable front axles with extra heavy duty forged I beam, reverse elliot type	<ul style="list-style-type: none"> • Proven FA with robust 7.5T capacity forging, delivering best-in-class durability and excellent tyre life
LIFT AXLE		
Type	Pneumatically operated 7 Ton bellow type pusher axle & tagaxle for 4923.T	<ul style="list-style-type: none"> • Proven THSL paralift design with bigger 2 convolute design for better lateral rigidity • Rebound strap and external bump stopper for higher life • Twin Single tyre lift axle mechanism

KEY FEATURES



26" ELECTRONIC VISCOUS FAN

Need-based power consumption for engine cooling, resulting in higher fuel economy



WASTE GATE TURBOCHARGER

- Higher power density
- Reduced fuel consumption



ENGINE BRAKE


- 20 % higher brake life
- Improved braking efficiency

SIGNA 4923.T




FRAME		
Type	Ladder type heavy duty frame with riveted/ bolted cross members	• High capacity robust frame assembly with 285 mm depth , strength, durability and low maintenance
SUSPENSION		
Front	Parabolic springs at front with anti-roll bar assy	• Superior riding comfort with better shock insulation, stress prevention and road stability • Proven single tyre 7T capacity lift axle for superior tyre life and improved self-steerability
Rear	Semi-elliptical leaf spring with at rear	
Lift	Air suspension for the lift axle	
PERFORMANCE		
Wheelbase	6 730 mm	• Clinically designed axle spacing for better load distribution • High gradeability to suit loaded applications across terrains • Low TCD for easy manoeuvrability
Gradeability	19 % at rated GVW	
Minimum TCD	23.6 m	
TYRES		
Size & Type	Option 1: 295/80R 22.5 Tubeless (F+R) Option 2: 295/80R 22.5 Tubeless (F) + 10R20 (R)	Choice of tyres for full GVW passing. Radial tubeless & tube options: • Superior tyre mileage and fuel economy • Higher tread life & traction Easier tyre maintenance • Greater productivity & riding comfort
FEATURES		
Gear Shift Advisor	1st-of-its-kind value feature	• Load terrain based gear shift coaching for maximum fuel economy • Vehicle monitoring & trip management for vehicle owners • Higher driving comfort Higher driver productivity
Telematics	In-built Tata Fleetman	
Air-conditioning	Standard factory fitment	
STEERING		
Type & Ratio	Tilt & telescopic steering with integral hydraulic power assist	• Superior driving comfort and compatibility with multiple driver sizes and driving habits • Fatigueless driving Faster & easier trips
WEIGHTS & DIMENSIONS		
Gross Vehicle Weight	49 000 kg	• Highest* in industry GVW node in rigid truck • Highest* in industry payload in rigid truck • Bigger loading span and body capacity for larger loads • Best-in-class* durability & performance Full vehicle warranty Single invoice funding Best-in-industry* after sales service
Payload	35 000 kg	
Deck Length/Body Size	29 ft to 30 ft	
Body Options	HSD FSD	
WARRANTY		
Driveline	6Y/6L km standard	• Warranty offering unmatched in industry
Vehicle	3Y/3L km standard	


SUPERIOR AGGREGATES




CUMMINS ISBe 5.9 CR Engine



G1150 DD Gearbox



RA 110 Rear Axle

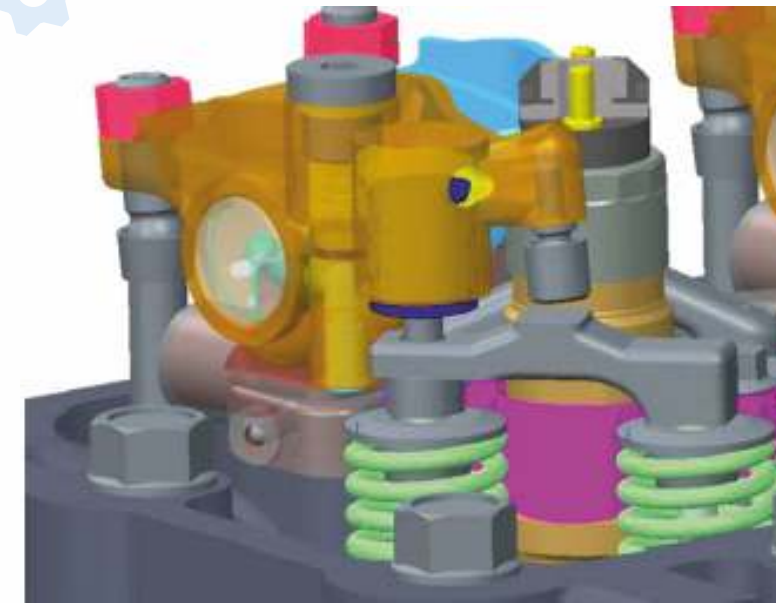
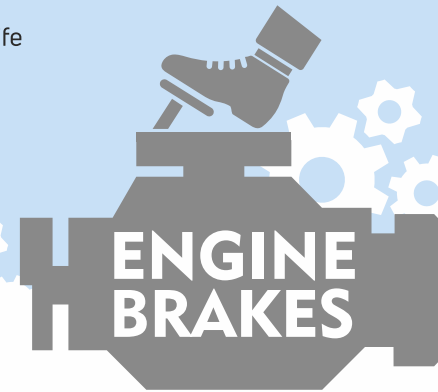


Twin Lift Axle - First Time in India

*T&C apply

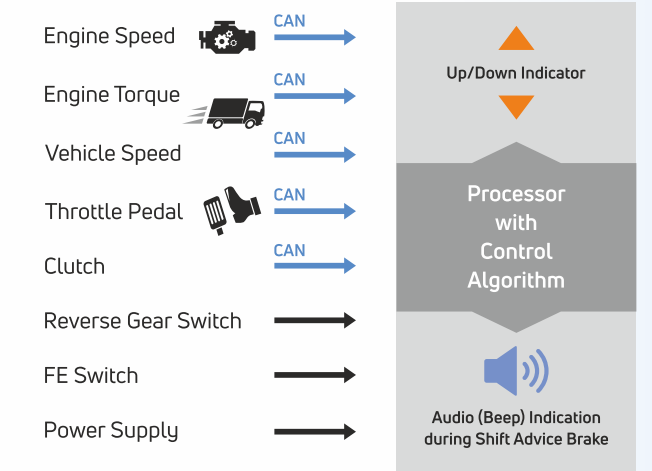


- Reduction in warranty cost on engine & gearbox
- Improved vehicle braking efficiency
- Reduced brake overheating, 20 % improved brake life
- Better driveability



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

BIG ON FUEL ECONOMY

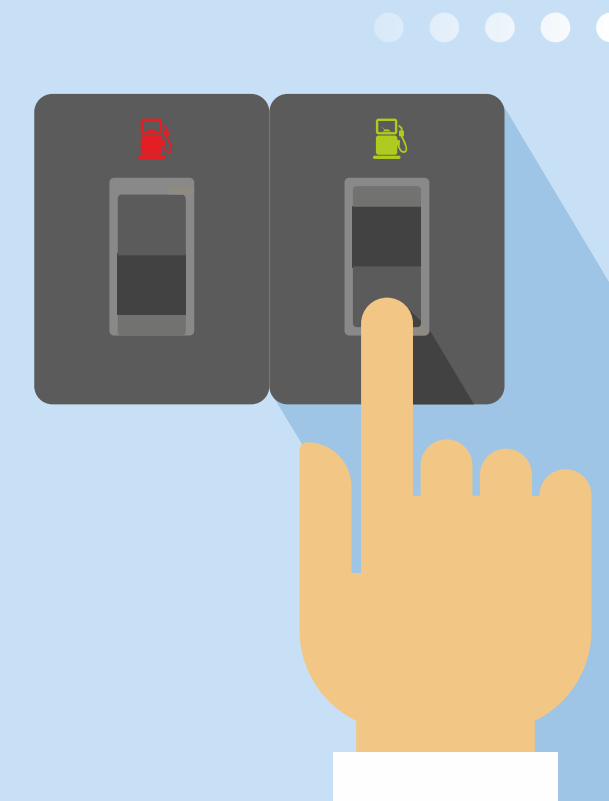


FUEL ECONOMY SWITCH

This technology underlines the strong focus on customer requirements and its emphasis on R&D and innovation, to further boost our hallmark value-for-money proposition.

- FE Switch is a feature on commercial vehicles of Tata Motors, which helps in achieving better fuel economy and optimum vehicle performance, having an option of selecting suitable mode.
- It comes with two modes called '**Light Mode**' with green light glow and '**Heavy Mode**' with red light glow. The mode switching happens with the press of a button when the vehicle is in running condition or in stationary condition.

- '**Light Mode**' is optimized for rated load and unladen condition which should mostly be used on flat roads and on smaller grades.
- For heavy loads and steep grades, '**Heavy Mode**' should be used, to meet increased power demand from the engine. Driver should immediately switch back to 'Light Mode', based on the driving condition.
- Higher usages of "**Light Mode**" is recommended to get better fuel economy.










After each Ignition ON, the Fuel Economy Switch will be in default 'Heavy Mode'.

Driver needs to select 'Light Mode' by considering vehicle loading condition.

It is advisable to start with 'Heavy Mode' & then switch over to 'Light Mode', based on requirement.



Recommended usage of FE Switch Modes

FE Switch Mode	Load	Road	Images
Light Mode 	Unladen	Flat Roads & Uphill	 
	Rated Load	Flat Roads & Small Gradients	 
Heavy Mode 	Heavy Load	Steep Gradients	

TRIP MILEAGE INDICATOR



ADMINISTRATION OF FUEL EXPENSES

1. Accurate fuel economy monitoring per trip
2. Better planning and control of fuel expense per trip
3. Direct digital validation for fuel economy data



TRIP ANALYSIS & OPECO MANAGEMENT

1. Route-Load-Age-Driver optimization for best Fuel Economy, in conjunction with Tata Fleetman
2. Predictive and flexible OPECO inflection based on rip matrix

BIG ON COMFORT



Best-in-class cabin



Tilt & telescopic steering for superior driving comfort



Sun visors for driver & co-driver

- ▶ All-steel cabin
- ▶ Highest level of noise and heat insulation
- ▶ Factory-fitted Tata FleetMan Telematics device
- ▶ Contemporary styling
- ▶ Ease of reparability and serviceability
- ▶ Impact and crash barrier tested
- ▶ Wide angle visibility



Premium interior aesthetics for superior in-cab driving experience



Easy accessibility of controls, comfy and expedient driveability



- ▶ Seats with Emergency Locking Retractor (ELR) seat belts
- ▶ 3-way adjustable mechanically suspended seat for unmatched riding comfort
- ▶ Deep seat cushioning and extended body support for long, fatigueless driving
- ▶ Cockpit type dual tone interiors



Air-conditioning



Electronic viscous fan

- ▶ Improved cabin suspension with front dampers and rear shock absorbers with coil springs
- ▶ Enhanced driving comfort with transverse cabin shockers at rear
- ▶ Best-in-class NVH characteristics



Truck ventilation system



Provision for infotainment



- ▶ Factory fitted air-conditioning/blower options
- ▶ Elegant control panel with ergonomically positioned switches
- ▶ Fuel Economy Switch for load/gradient based mileage governance
- ▶ Power socket provision

SIGNA 4923.T



Wide and comfortable sleeper berth with spacious berth box



Both side grab handle and wider door angle for easy ingress/egress



Magazine pocket and bottle holder



Pendant type accelerator and clutch pedal for fatigueless driving



Clear lens wraparound head lamp for superior visibility, coupled with chic styling



LH & RH aero corners for reduced aerodynamic drag and better fuel economy



Lowest step-in height with three-step footstep and scuff plate



Lockable glove box beneath co-driver seat



Side close proximity mirror
Normal rear view mirror
Wide angle rear view mirror



Single locking system for entire vehicle



Ergonomic steering wheel



3-piece bumper | Ease of reparability due to modular design

SIGNA 4923.T



- ▶ Better Fleet Utilization
- ▶ Higher Vehicle Uptime
- ▶ Better Control of Operating Cost
- ▶ Faster Turnaround Time
- ▶ Proactive Maintenance
- ▶ Higher Driver Productivity
- ▶ Better Return Load Planning
- ▶ Stolen Vehicle Tracking



Real-time Vehicle Tracking



Monitoring of: Idling
Green Band Driving
Over-speeding | Over-revving
Over-run | Heavy Throttle



Review of Trip Performance between locations



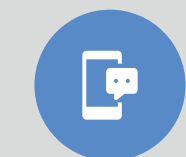
Geo-fencing



Fuel Consumption & DEF Monitoring



Harsh Acceleration, Braking and Cornering Detection



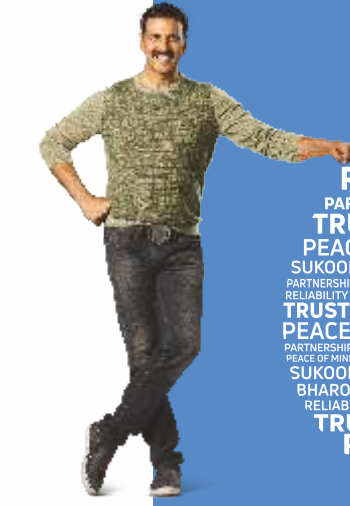
SMS Alerts & Reports



Mobile Application

TATA 6-YEAR WARRANTY

Sampoorna khayal har kadam.



6 SAAL. AAPKA KHAYAL.

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