

### **Tata Signa 5532.S**

The Tata Signa 5532.S (FE Series tractor) sets a new benchmark in its category with a powerful and highly efficient 6.7L Cummins 320HP engine, delivering exceptional torque, superior gradeability, and stronger pulling capability for the most demanding long-haul applications. With next-generation driveline optimization, enhanced aerodynamic enhancements, and advance engine upgrade, the vehicle achieves significantly higher mileage and reduced operating costs—enabled by the refined and precisely calibrated powertrain. Engineered for continuous long-distance operations, it is equipped with the safest and most ergonomic Signa cabin featuring Hill Start Assist, Driver Monitoring System, Gear Shift Advisor, and a 3-way mechanically suspended adjustable seat to ensure fatigue-free driving. Together, these advancements deliver unmatched comfort, operational efficiency, and dependable performance across steel, industrial goods, cement, aggregates, and other heavy-duty transport segments.

#### **Key Features:**

- Smart fuel-optimization technologies such as Auto FE switch and Gear Shift Advisor, ensuring consistently high fuel mileage across varying drive cycles.
- Robust driveline with a 430mm dia clutch and 9-speed G1150 gearbox, offering unmatched durability, smoother power transmission, and enhanced performance even under demanding load conditions.
- Ergonomic suspended seating, maximized in cabin space, best in class NVH levels, cruise control, and user-centric controls for maximum driving comfort and fatigue-free operations.
- Enhanced safety suite including an engine brake for controlled descents, Hill Start Assist to prevent rollback on gradients, and an in-cabin Driver Monitoring System (DMS) AI/ML based driver drowsiness and distraction detection and alert to driver & fleet owner
- FOTA (Firmware Over-The-Air) capability, enabling remote system upgrades and reducing workshop visits, ensuring vehicles stay updated with the latest enhancements.

**Applications:** Cement, Construction aggregate, Steel & other metal, Coal, Industrial goods & Market load, Sand etc

#### **Technical specifications:**

Parameter	Description
GCW (kg)	55000 kg
Power	320 HP
Torque	1100 Nm
Gearbox	9 Speed Manual Gearbox
Suspension	Front - Parabolic leaf spring Rear – Bell Crank Suspension
Rear axle	Single Reduction Axle
Tyres	295/90 R20
Fuel tank	365 L
Gradeability	27%