

for immediate use

PRODUCT NOTE

PRIMA E.55S

Amid the global climate change scenario, the world is moving towards cleaner automotive fuel. The Government of India has taken an ambitious target of reducing the emissions intensity by 45% by 2030. Hydrogen, due to its relatively non-emission characteristics, is turning out to be one of the most environment-friendly solutions, from creation to consumption. In automotive applications, Hydrogen fuel cell technology is emerging as a promising alternative for fossil fuels. Tata Motors has taken significant initiatives towards developing hydrogen fuel-based products and has been leading the development of Hydrogen-powered vehicles. The Tata Prima E.55S is an industry-first product to move goods across the hubs and big cities in an environmental-friendly manner as also with optimal cost of operations.

Features:

- Multi-information cluster
- Advanced infotainment system – 7” infotainment screen with touch screen, Bluetooth compatibility & auxiliary connect support
- Easy navigation with phone mirroring, saved maps and flexibility for usage in remote locations
- Mobile pairing & compatibility enabling attending calls, reading SMS and playing videos
- Elegant steering wheel with controls to navigate infotainment system, paired phone functions for convenience controlling etc.
- Projector headlamps with DRLs (Daytime Running Lights) with integrated cornering lamps
- Enhanced day & night running illumination with best-in-class front head lamps
- LED fog lamps introduction to cater to extreme rainy and winter seasons, and different terrain driving conditions
- Safety Lamps – LED side repeater, door ajar & pedal lamps for enhanced safety
- Hill Start Aid (HSA) - provides automatic roll brake functions allowing the driver to comfortably start uphill by preventing the vehicle from rolling backwards
- 'Fleet Edge' advanced telematics solutions with Prognostics, preventive maintenance solutions, energy mode switch with connected solutions like 'over the air' calibration
- Electronic Stability Control (ESC) - Automatically intervenes where vehicle stability enters a critical area, improves directional stability, and mitigates roll-over by reducing the speed
- Driver Monitoring System (DMS) alerts the driver in case the driver is feeling drowsy and distracted
- Collision Mitigation System (CMS) - Mitigates a high-speed crash and increases safety – Avoids collision and reduces accidents, related fatal chances and costs
- Lane Departure Warning System (LDWS) – Camera-based warning system that helps keep the vehicle to stay in lane. Warns the driver with visual, audible, or haptic signals. Helps to avoid potential collisions and run-off-road accidents
- Tyre Pressure Monitoring System (TPMS) for better fuel efficiency, enhanced tyre life, and drive safety
- Truck Unitized Bearing - enhanced service life & lower rolling friction leading to improved fuel efficiency
- Low-resistance tubeless tyres
- Washable moulded cabin interior trims for enhanced maintainability & serviceability
- Suspended driver seat & twin accommodation co-driver seats for enhanced comfort & convenience

Highlights:

- Options with Type 3 cylinders to Support 350 bar of Hydrogen Fuel with higher capacity
- Range of 350km to 500km with less refuelling time of ~20 minutes
- Fuel stack with higher capacity 220kW to 240kw options

Applications: cement, coal, fly-ash bulkers, clinker movement, steel coil movement, bulk cargo, construction aggregates, haulage and distribution



Safer » Smarter » Greener

for immediate use

PRODUCT NOTE

Technical specifications:

Parameter	Description
GCW	55000kg
Cabin	Prima
Fuel Stack	220kW to 270kW
Battery	22kW to 34kW
H2 Capacity	H2 @ 350bar
H2 Refueling Time	20 minutes
Rear axle	RAE 110-eAxle with 2 speed transmission
Traction Motor Peak Power	470kW
Traction Motor Peak Torque	2500Nm
Suspension	Front Parabolic with Salient Bushes & Rear semi-elliptic multi-leaf spring
Brakes	Drum – Drum S Cam air brake (Noise free Liners) EBS with HSA
Grade-ability	24.50%
Range	350 to 500km

