

Force Motors launches new 33/41 Traveller MonoBus

First monocoque panel bus in this category has been launched by Force Motors at Busworld India 2018

Writes Devvyani Jaishankar



Force Motors launched the country's only 33/41 seater Monocoque Buses at the Bus World 2018 Exhibition.

Traveller-MONOBUS

The Traveller-MONOBUS is loaded with several path-breaking and novel features offered for the first time in midibus (33-41 seats) segment.

Traveller-MONOBUS is powered by the 115 HP / 350 Nm, Mercedes derived, 3.2 liter, Common Rail engine. On account of the monocoque

construction, it is not only extremely robust but also lightweight. It offers peak torque of 350Nm from 1600 to 2200 rpm, the high low-end torque ensures smooth ride even at low speeds. In addition, Traveller-MONOBUS has best-in-class power to weight ratio and being almost 800 kg lighter than comparable models, offers unmatched fuel efficiency.

5 speed synchromesh gearbox

The advanced 5 speed synchromesh gearbox with double cone synchronizer

rings, offers low friction and smooth transmission. The special clutch lining is designed for frequent start-stops common in short distance tour and bus operations.

Monocoque construction

Traveller-MONOBUS is the only 33/41 seater with monocoque construction offering outstanding structural strength and unmatched durability. Traveller-MONOBUS is also the only vehicle in its class to adopt the 6th Generation Cathodic Electro Deposition (C.E.D) Dip painting





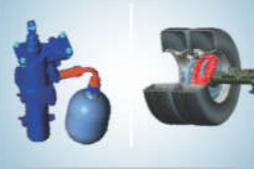

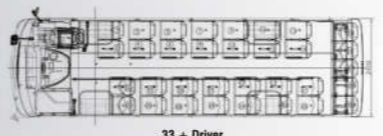
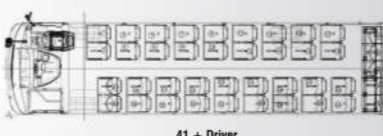
process for the whole body, for primer application thus offering the highest levels of rust protection and corrosion resistance.

The Traveller-MONOBUS is the only vehicle in its category with disk brakes on all wheels with new uni-booster hydraulic braking technology, ABS, EBD and latest Engine Drag Torque Control ensuring top class, sure stop braking.

With very low floor height for easy entry and exit, lowest centre of gravity for superb ride stability, lowest NVH levels, smallest turning radius, the Traveller-MONOBUS offers unmatched ride quality and seating comfort, with its 2.35m wide body interiors, a wide gangway, full standing height and ample leg room.

Force R&D

The Traveller-MONOBUS is fully tooled up and designed by the R&D team in Force Motors, it is entirely made of pressed steel panels welded in an automated and robotic environment. It is backed by the company's manufacturing experience spanning over 6 decades and supported by country wide network of over 200 dealers fully equipped with trained manpower, special tools and ample stock of reasonably priced spare parts.

SALIENT FEATURES			TECHNICAL SPECIFICATIONS	
 Lightweight Monocoque body contributes to phenomenal mileage, best-in-class safety and Car like ride quality	 Parabolic Suspension for excellent ride quality	 Mercedes derived, highly powerful and fuel efficient engine	ENGINE	BRAKES
 Synchromesh G-35 Gearbox for effortless gear shifting	 All wheel Hydraulic Disc brakes with Uni-booster with ABS, ETDC for sure stop braking	 Wide and comfortable seats ensure comfortable ride	Model : FM 3.2 CR-HT Emission : BS-IV Compliant Type : 5 Cylinder, CRDI TCIC Displacement : 3245 CC Max.Output : 85KW (115 hp) @ 2800 rpm Max Torque : 350Nm @1600-2200 rpm	Service Brakes : Hydraulic-Dual Circuit Hydraulic Booster Assisted (Uni-booster), ABS with ETDC (Engine Drag Torque Control) Front : Dual Pot Calipers, Ventilated Disc Rear : Dual Pot Calipers, Ventilated Disc Parking Brake : Transmission Mounted Drum Brake
 33 + Driver	 41 + Driver		TRANSMISSION	WHEELS AND TYRES
			Type : G35/5 Synchromesh No. of Gears : 5 forward & 1 reverse	Tyre Size 4020WB : 225/75 R 17.5, Tubeless Tyre Size 5200WB : 235/75 R 17.5, Tubeless
			AXLES	DIMENSIONS (MM)
			Front : Dead Rigid, I-Beam & Reverse Elliptic Rear : Salusbery	33 seater 41 seater
			FRAME	Wheel Base : 4020 5200 Overall Length : 8430 9910 Overall Width : 2400 2400 Overall Height : 2910 2910 Internal Height : 1910 1910 Overhang Front : 2010 2010 Overhang Rear : 2400 2700 Ground Clearance : 185 185
			SUSPENSION	WEIGHTS (KG)
			Front & rear : Parabolic Leaf Spring with Hydraulic Telescopic Shock Absorbers & Anti Roll Bar	Max FAW : 2965 3430 Max RAW : 4365 5010 Max GVW : 7330 8440
			Rear : Parabolic Leaf Spring with Hydraulic Telescopic Shock Absorbers & Anti Roll Bar	Seating Capacity : 33+D 41+D
			STEERING	Fuel Tank (L) : 120 120 Turning Radius (M) : 6.8 8.6
			Type : Power Steering	

The Traveller-MONOBUS is a unique combination of outstanding performance, excellent fuel economy, unmatched strength, total safety and maximum comfort, making it an ideal choice for corporates, fleet owners, tour and travel operators, hospitality



Prasan Firodia

industry and school bus operators.

Speaking on the occasion, Prasan Firodia, Managing Director, Force Motors said, "The Traveller-MONOBUS is a fully in-house effort of our R&D team and I am confident it will set new benchmarks in performance, comfort, reliability, durability and safety. These same qualities have enabled Traveller to become acknowledged leaders in the 9-26 seater minibus category. The monocoque construction is possible due to extensive use of large pressed panels - which are fully designed, tooled and



produced in house. Force Motors has applied for a number of patents on this

product and process technology"

Two options with seater

The Traveller-MONOBUS would be available in 33 seater and 41 seater options in standard and school bus variants at Force dealerships across the country during the upcoming festive season.

Other new vehicles on display at the expo were the Traveller Rural Bus, the Traveller T23350 and the Traveller 26AC CNG.

