



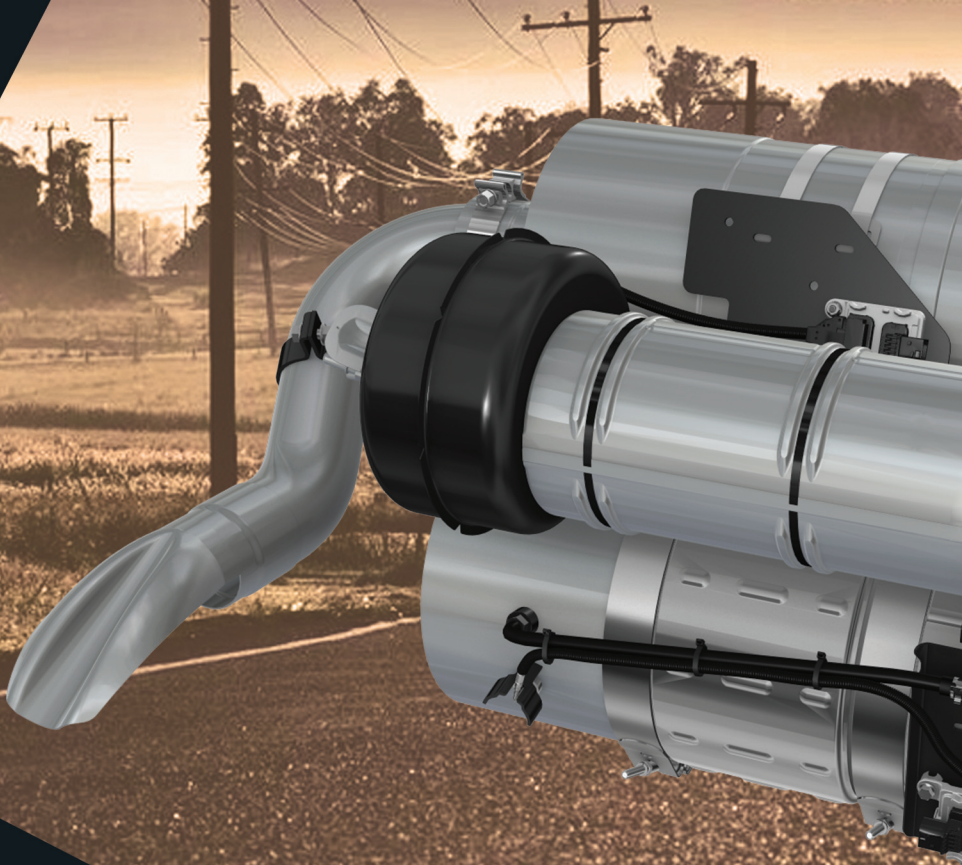
BHARATBENZ

# 1624 BUS CHASSIS

ADVANCED HUMAN MACHINE INTERFACE



#RideUnconditionally



# **BS-VI compliant** **AFTER TREATMENT SYSTEM (ATS)**

---

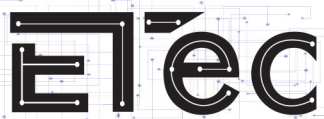


**At BharatBenz, we believe that every bus ride is not only comfortable and safer to the passenger but also reliable in operations. BharatBenz bus chassis is compliant to Bharat Stage VI emission norms, making them environment friendly.**

**BharatBenz bus chassis has achieved the BSVI emission compliance with Selective Catalytic Reduction (SCR), which is the most advanced technology available currently.**

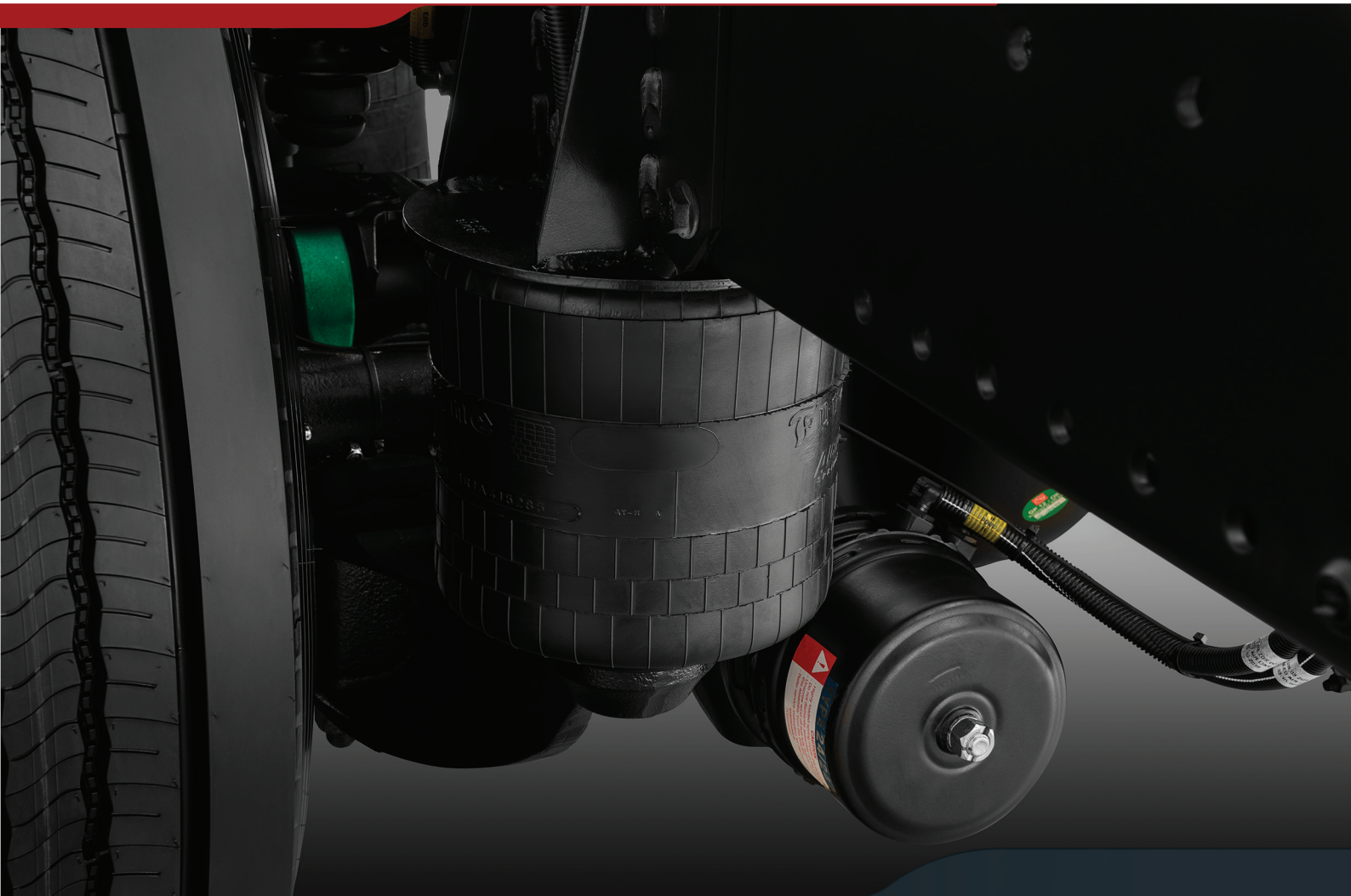
**This technology has its roots from Daimler global heritage of being successful in more than 40+ countries since 2010. The 2-box muffler design of after-treatment system is compact making it perfect in bus application for maximum luggage space.**

---



- Advanced Electrical & Electronics Architecture

- Next Generation Electronics
- Easy Fault Detection
- Chassis - Body CAN interface
- Multiplexing System
- Performance Enabler

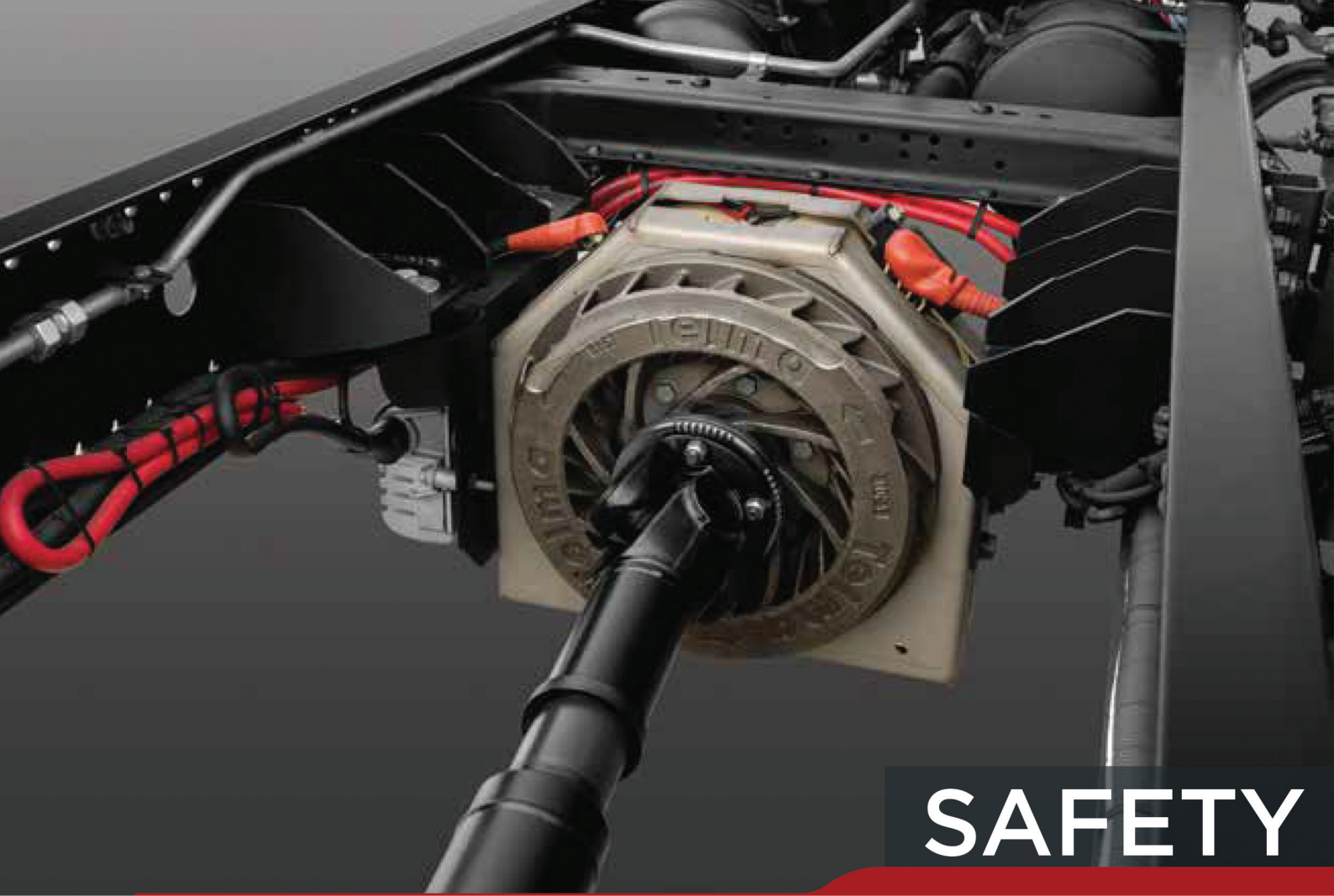


## COMFORT - THE RIDE THAT GLIDES

**World- Class  
Comfort**

BharatBenz 1624 Chassis is loaded with glide air suspension at front & rear that guarantees utmost comfortable ride over long distances.

Unitized suspension assembly integrated with fine-tuned shock absorber to provide excellent ride comfort for both the passenger & the driver.



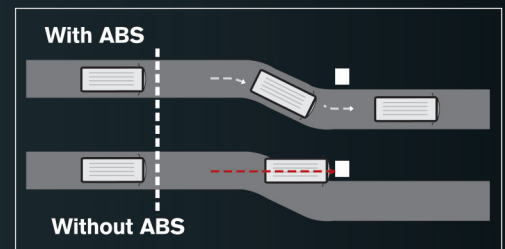
# SAFETY

Best in class braking efficiency with advanced 4 stage dual operational CAN based electromagnetic retarder ensures utmost safety.

Rigid chassis frame with best in class 7mm thickness integrated with alligator type cross members for higher strength.

Factory supplied regulatory devices (ITS, RPAS etc.) ensures passenger safety.

## BRAKING SYSTEM



Anti-lock braking system

## HIGHEST SAFETY STANDARDS

Bus chassis is equipped with standard safety features like anti-lock braking system, anti-roll bar, wider frame, tubeless radial tyres, wider brake liners, exhaust brake and retarder as optional.

World-class proven OM 926 engine with 7.2 ltr capacity which delivers 240 HP power & 850 Nm torque ensuring reliability in operations.



--- NEVER OFF THE TRACK ---

# STABILITY



Optimized service intervals for engine, transmission, axle and corrosion preventive chassis to ensure best fuel efficiency and lower maintenance.

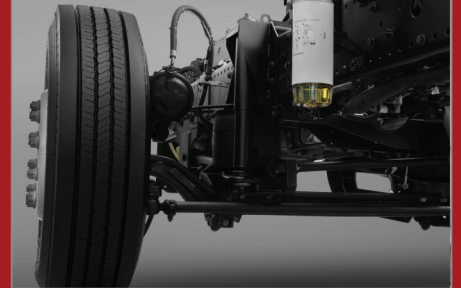
## Technical Specifications

## 1624 Chassis (Full Air Suspension)

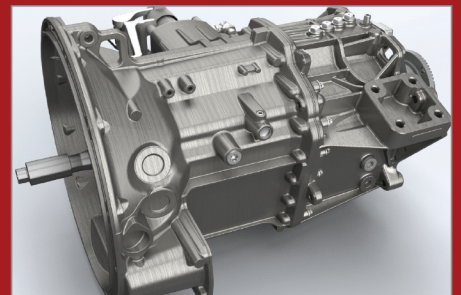
<b>Engine</b>	
Model	OM926
Capacity/ displacement	7200 cc
Maximum Power	240 hp (180kW) @ 2200 rpm
Maximum Torque	850Nm @ 1200-1600 rpm
Fuel Injection Pump	ECU controlled, Unit Pumps
<b>Gearbox</b>	
Model	G85 OD, 6 speed
<b>Clutch</b>	
Type	395mm dia, Dry Single plate type
<b>Brakes</b>	
Brakes	Pneumatic, with automatic slack adjuster
Auxiliary Brake	Engine brake + Exhaust brake + Retarder (Optional)
<b>Axles</b>	
Front Axle	IF6.6, reverse elliot type
Rear Axle	IR440, Single Speed, Hypoid drive
<b>Suspension</b>	
Front Suspension	Air suspension with 2 air bellows
Rear Suspension	Air suspension with 4 air bellows
Anti Roll Bar & Shock Absorber	Both in front & rear
<b>Fuel System</b>	
Fuel Tank Capacity	380 liters
Adblue Tank Capacity	60 liters
<b>Tyres</b>	
Tyre Size	295/80 R22.5
Wheel Rim	8.25" x 22.5"
<b>Steering</b>	
Type	Power Steering, adjustable and tiltable
<b>Electricals</b>	
Battery	2x 12V, 200Ah
Alternator	100 Amps *
<b>Dimensions</b>	
Frame Dimensions	255mm x 73.5mm x 7mm
Wheel Base	5950 mm
Overall Length	11765 mm
Chassis width	2530 mm
Front overhang	2305 mm
Rear overhang	3510 mm
<b>Performance</b>	
Restart Gradeability	20%
Min Turning Circle Diameter (TCD)	19.6 m
Min Ground clearance	239 mm
Max Permissible Legal GVW (kgs)	16700 kg

\*Additional alternator for retarder variant

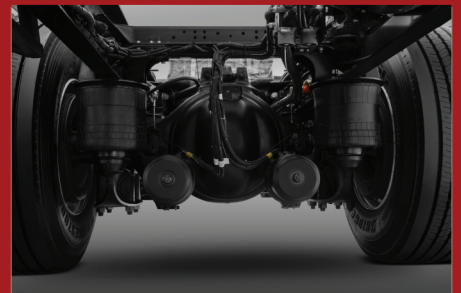
# ETEC



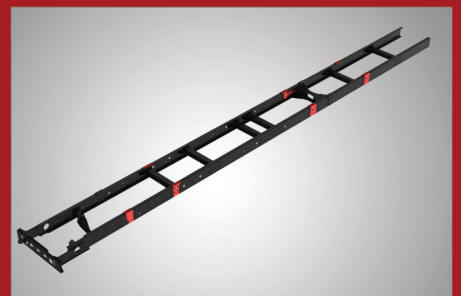
Chassis



Gearbox



Rear axle



Frame

