

COMFORT, SAFETY AND PERFORMANCE

For passengers and driver alike, the Volvo 8400 is both comfortable and safe. The low-entry at the front and in the middle-just 350mm above the road, means it is easy to get on and off, even for passengers with impaired mobility. The bus is easy to drive and offers excellent road holding and like all Volvo buses it has a high safety level, further boosted by powerful disc brakes on all wheels, roll stabilizers and a redesigned suspension system. The rear suspension is entirely new and contributes to a more comfortable ride and more secure road holding. The maximum steering angle for the Volvo city bus is 53 degrees, which further improves maneuverability.

Volvo 8400 also features a rigid front suspension. There is also considerable freedom of choice in seat location at the higher rear part of the bus, where the wheel housings encroach minimally into the passenger compartment.

Modern fuel-efficient engine

The engine in the Volvo 8400, the Volvo D7E 290, is a modern seven-litre six-cylinder diesel engine with a turbocharger and Intercooler. This engine is powered with 290 hp and conforms to the EURO III environmental requirements. The tough, durable and fuel-efficient engine was originally developed for Volvo's heavy trucks, so there's plenty of power in reserve for the Volvo 8400's gross weight of 16.2 tonnes.

The engine has a very wide torque range and responds to the throttle instantly, which benefits driveability. Electronic Engine Management - EMS 2 with precise fuel injection gives efficient combustion and low emissions. It is now available in both Euro III and Euro IV options, depending on the city regulations.



A well-matched power train with automatic transmission

The power train of Volvo 8400 is dimensioned to get the greatest possible power out of the engine. A 6-speed automatic transmission with NBS feature offers unmatched smooth progress and ride comfort in city traffic. An integrated retarder with a unique torque convertor enhances braking power.

Electronic fuel injection with precise regulation of fuel quantity and injection timing promotes low exhaust emissions and good fuel economy.

Disc Brakes

The disc brakes in the front and rear are of the same type as those found in Volvo's larger buses. The brakes feature EBS providing fatigue-free braking power.

Tubeless Radials

Urban tyres ensures higher mileage, good road grip and better braking.

Reliable and Durable Engine

The Volvo D7E 290 is a modern seven-litre six-cylinder diesel engine. Power output 290 hp in Euro 3 configuration.

Electrical System

The 24-volt electrical system has 100 A alternator (twin) with battery capacity of 165Ah.

On-Off Fan

Saves fuel. Shroud provided to improve cooling efficiency.

Modern Electronic System

The Volvo 8400 has a modern multiplex electronic system that offers the possibility of detailed information about vital vehicle data, which in turn permits wider scope for vehicle diagnostics and monitoring of the status and condition of the bus. The system also carries out automatic checks of basic functions such as coolant level and oil, brake and turbo pressure at start-up.

