



### **D7E 290 Common Rail Direct Injection Engine**

The compact design of D7E 290 helps increased payload. Equipped with CRDI type Common Rail Direct Injection pump, the fuel injection at high pressure allows complete combustion which results in fuel efficiency and low emission levels.

The 290 hp (1200 Nm), D7E 290 engine conforms to EURO III standards and features Volvo EMS2 (Engine Management System) which provides precise and efficient engine control. The Engine Control module takes in data from several sensors on the engine and the vehicle, compares current readings with stored parameters and adjusts fuel quantity and injection timing accordingly. The engine is integrated with the bus electronic system, operation and control parameters and permits advanced communication with the driver via information display on the dashboard. This

helps in efficient engine management and scope for diagnosis and fault tracing.

### **High performance gearbox**

Volvo 9400 has a manual gearbox, the ZF 6S1380BD, with 6 forward and 1 reverse speeds, which are fully synchronized - ensuring easy operations. The gear box is lighter due to the aluminium housing.

### **Dual air intake**

To avoid the suction of road dust and water into the air filter, and to get optimum heating and cooling performance, Volvo 9400 has dual air intake placed above the engine. This also helps in keeping the engine cleaner and reducing operating costs.

### **Fuel tank**

The fuel tank has a capacity of 600 litres - (300 x1+150 x 2). They are

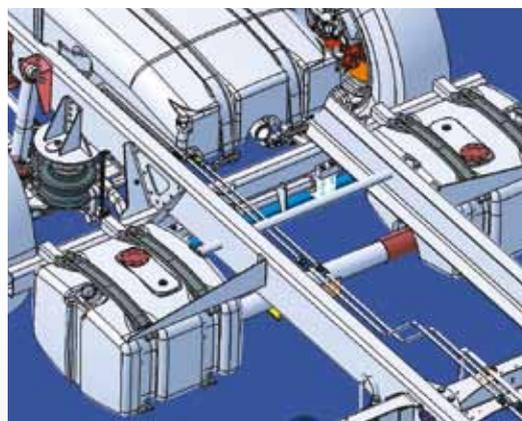
made of plastic with filling option on both sides, ensuring lighter chassis weights with fuel.

### **Electrical Systems**

The Volvo 9400 has two alternators with (100A x 2 alt) current capacity to meet the high loads of electricity required for bus operations.

### **EBS and ESP**

The Volvo 9400 features Volvo disc brakes with EBS (Electronic Brake System), which offers excellent braking performance and rapid, gentle and controlled braking. In addition, there are other safety-enhancing and comfort-boosting solutions, such as Hill Start Aid, which stops the bus from rolling backwards when starting on a hill. Supplementing the wheel brakes is the Volvo Compact Retarder.



# LOVE AT FIRST SIGHT

From the exterior to its interiors the striking looks, innovative design and excellent styling of the Volvo 9400 can charm any traveller. Combining form and function for elegance and comfort, Volvo 9400 is designed to take luxury bus travel to new heights.

## **Distinctive Volvo styling**

Volvo 9400 brings state-of-the-art European styling to India and gives a competitive edge over other coaches. The distinctive Volvo grill and the imposing front and rear styling makes it an admirable coach. But there is more to looks than what you see. The additional strength for frontal impact makes it safer. The new powerful headlights and tail lights make driving safer during night and heavy monsoons.

The smooth body line gives a perfect moulded look. The well-fitted tinted windows joined seamlessly to each other gives a neat finish and is easy to clean. It also offers a clean body line for graphics giving your coach a unique identity.



### **Built stronger to last longer**

The new 9400 now comes with a strong body frame and anti-corrosion treatment to withstand tough operational conditions and offer higher durability. Its unique true bus chassis design makes long distance travel much more comfortable. The all new driver controls environment makes it driver-friendly for stress-free, long journeys.

### **High Capacity**

Volvo 9400 offers a capacity of 45 luxury, reclining seats, the best in class offered in luxury coaches. The excellent air-conditioning, vibration and noise free

interiors offers a smooth ride unmatched when compared to other luxury coaches.

### **Air-suspension system**

Volvo 9400 is fitted with an air suspension with two air bellows in the front and four air-bellows in the rear. The system efficiently irons out irregularities of the road and offers a high degree of ride comfort.

### **Floor based luggage space**

Over 10 cum. of floor level luggage space with easy access to load and unload baggage has been provided for storage space in the Volvo 9400.

### **Less risk with good visibility**

With first-class ride and road holding, an ergonomically designed driver's environment and excellent all-round visibility, the Volvo 9400 offers good accident-preventive safety. It has large rear-view mirrors with integrated close-quarter mirrors. Powerful headlights and high-set brake lamps further reduce the risk of accidents.

### **Safety-tested bodies**

If an accident should occur, our aim is to reduce the consequences as much as possible. The Volvo 9400 meets the EU's Bus and Coach Directive, and the Indian Superstructure Strength Directive requirements, which means the vehicle has to withstand a rollover without the roof collapsing. The interior is soft and free from protruding parts or sharp edges.

### **Unique Volvo protection for driver and guide**

The driver's seat in the Volvo 9400 comes with an integrated three-point seat belt, in order to improve safety for the driver and the guide.

