



VOLVO
B7R
LOW ENTRY
EURO 3

PLEASE
SIGNAL DRIVER

VOLVO

AVAILABILITY – BOTH FOR OWNERS AND PASSENGERS

The Volvo B7R Low Entry is a modern city and route bus that combines availability for the owner with availability for the passengers. A robust and dependable construction promotes high operating reliability, while the low entry makes for swift passenger through-flow. The lightweight chassis also makes it possible to carry more passengers. All told, these properties make the Volvo B7R Low Entry a truly competitive alternative offering excellent total economy.

Robust and thoroughly tested. The Volvo B7R Low Entry is based on one of the best-selling chassis from Volvo Buses, the Volvo B7R. This means thoroughly tried and tested technology from a chassis that does sterling service all around the world. Sturdily dimensioned chassis components provide high dependability and a long service life. At the same time, new technology adopted from Volvo's larger tourist coaches has been introduced to make a highly regarded chassis even better.

The frame is a simple and sturdy construction with a flat upper face for ease of bodybuilding. The chassis is delivered in two-axle configuration with a 3040 mm transit wheelbase. The front axle is dimensioned for 6.5 tonnes and the tough new rear axle for 11.5 tonnes, which gives excellent weight distribution and the possibility of exploiting the 17.5 tonne gross weight to the maximum.

Comfortable and safe. For passengers and driver alike, a ride in the Volvo B7R Low Entry is both comfortable and safe. The low entry at the front and in the middle – just 320 mm above the road – means it is easy to get on and

off, not least for passengers with impaired mobility. The bus is easy to drive and offers excellent roadholding, and like all Volvo buses it has a high safety level, further boosted by powerful brakes (now with discs front and rear), roll stabilisers and a redesigned suspension system. The rear suspension is entirely new and contributes to a more comfortable ride and more secure roadholding. Compared with its predecessor, the steering angle has been extended from 45 to 50 degrees, which further improves manoeuvrability. The Volvo B7R Low Entry also features independent front suspension, which not only contributes to good ride properties, it also makes it possible to include a wide centre aisle when building the body. 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.

The final design of the driver's environment naturally varies with the choice of body, but the preconditions for an efficient and attractive workplace come with the basic structure. The instrument panel is easy to overview.

Benefits in brief

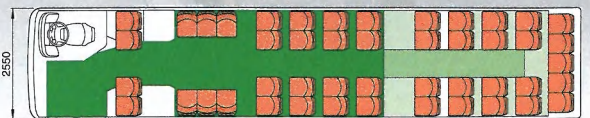
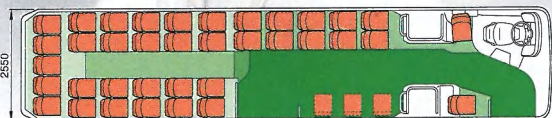
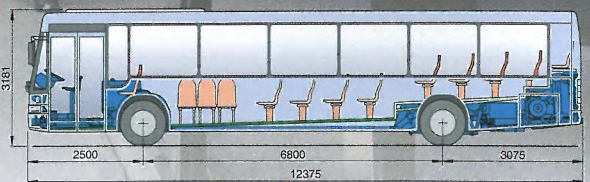
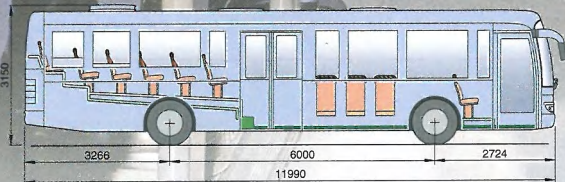
- Intended as a city and route bus.
- Meets the Euro 3 environmental requirements.
- Improved driveability, ride safety and comfort with a new rear axle, new rear suspension and new disc brakes at the rear.
- Modern electronic system permits provision of detailed information about important vehicle data to the driver, owner and service personnel.
- The low entry contributes to more convenient boarding and exiting.
- Tried and tested technology with robustly dimensioned chassis components promotes high reliability and long service life.
- Volvo D7 – a fuel-efficient and modern seven-litre six-cylinder diesel engine with turbocharger and Intercooler.

The low entry at the front and in the middle, just 320 mm above the road, contributes to convenient boarding and exiting, not least for passengers with impaired mobility.



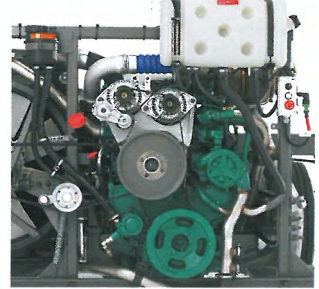
The driver's environment can be tailored to suit individual requirements.





The Volvo B7R Low-Entry is primarily intended for route and city bus operations.

THE TECHNOLOGY BEHIND THE ARGUMENTS

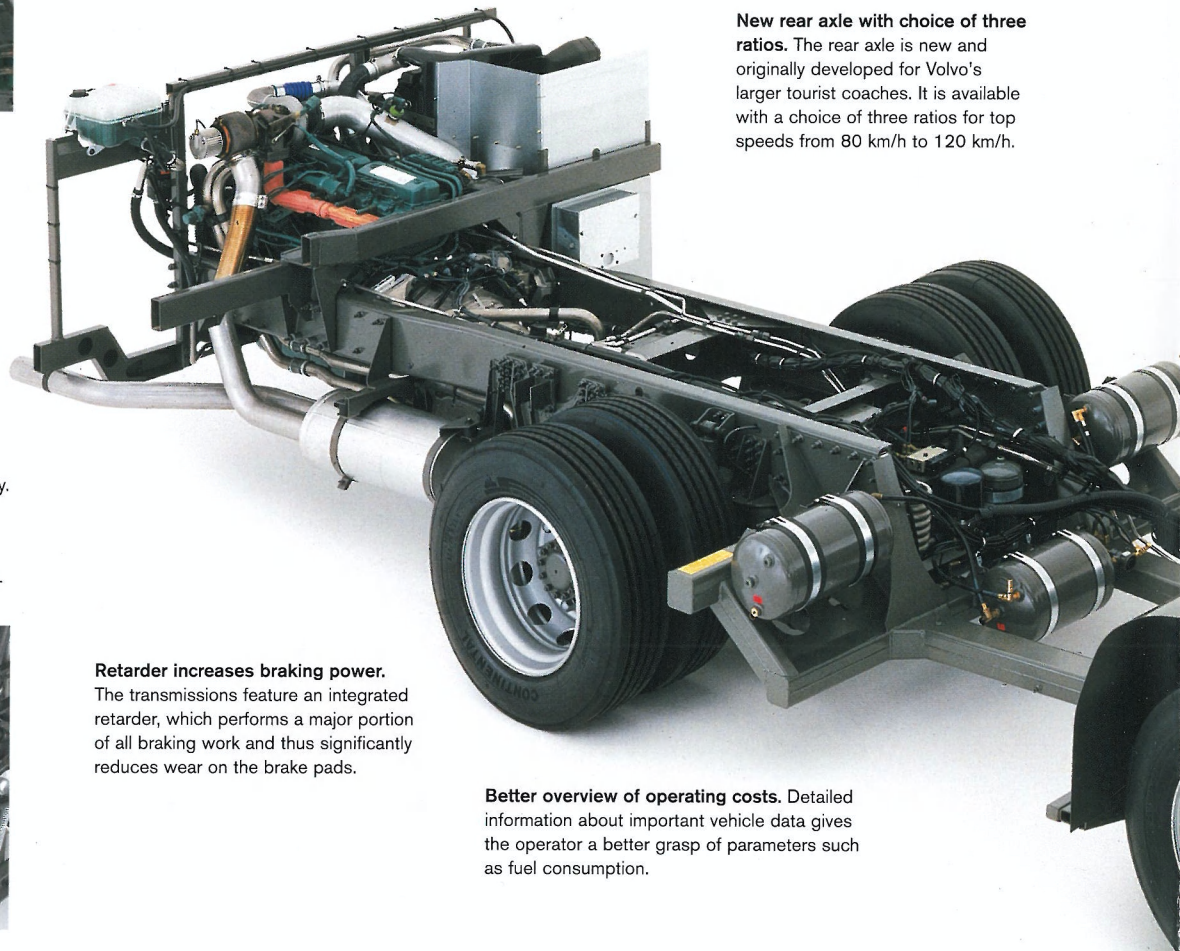


Simple service. All the service points are easily accessible, which simplifies daily service and maintenance.

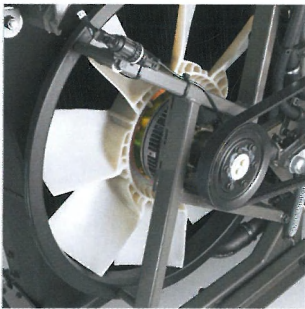


Reliable and durable engine.
The Volvo D7 is a modern seven-litre six-cylinder diesel engine. Power output 275 hp in Euro 3 configuration.

New rear axle with choice of three ratios. The rear axle is new and originally developed for Volvo's larger tourist coaches. It is available with a choice of three ratios for top speeds from 80 km/h to 120 km/h.



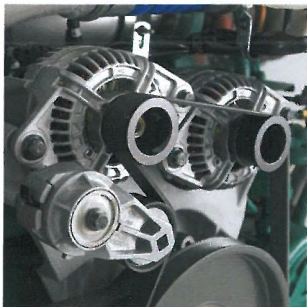
New fan saves fuel. A new engine fan is available in the B7R Low Entry. The fan's operation is controlled by an electronic thermostat, so it only operates when it is really needed. This in turn helps bring about a significant cut in fuel consumption.



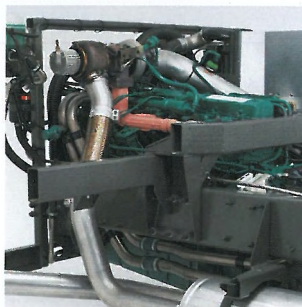
Retarder increases braking power.
The transmissions feature an integrated retarder, which performs a major portion of all braking work and thus significantly reduces wear on the brake pads.

Better overview of operating costs. Detailed information about important vehicle data gives the operator a better grasp of parameters such as fuel consumption.

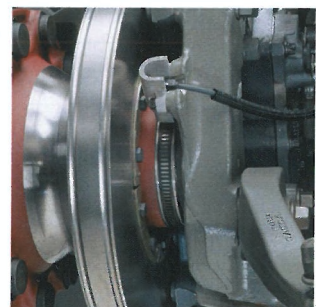
The alternator is new and comes from Volvo's larger tourist coaches. Compared with its predecessor it is smaller, lighter and has a higher charging capacity.



Offset cross-member. Permits the inclusion of a wide rear door.

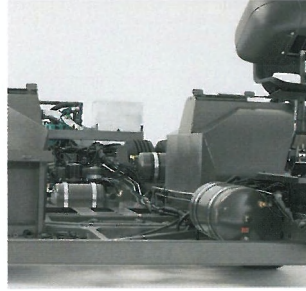


New disc brakes. The new disc brakes are of the same type as those found in Volvo's larger buses. The brakes feature both ABS and ASR, and provide far more braking power than before.





Automatic transmission. The two automatic transmissions are available in a total of three variants with three, four and five gears respectively. All three versions are fitted with an integrated retarder.



Broad centre aisle. The independent front suspension allows the inclusion of a broad centre aisle, which further contributes to fast and convenient passenger through-flow.



Modern electronic system. The Volvo B7RLE 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 bus's status and condition. The system also carries out automatic checks of basic functions such as coolant level and oil, brake and turbo pressure at start-up.

New feature: Disc brakes all round. The Volvo B7R is equipped with disc brakes on both the front and rear axles.

Better overview over operating costs. Detailed information about important vehicle data gives the operator a better overview of parameters such as fuel consumption.

Fuel tanks. Tank volume is 220 litres, and the tank is placed on the wheel housing or is supplied from the factory in the form of a transit tank.

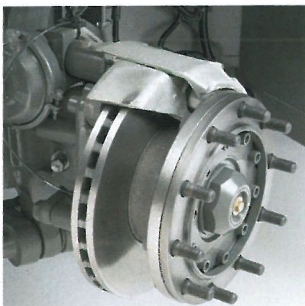
Ease of bodybuilding. A simple and sturdy frame with a flat upper face makes for easier bodybuilding. The electrical system's connectors are positioned for convenient hook-up to the body.

Electrical system. 24 volt electrical system with an 80 A alternator. There is also a 2x80 A variant. The bus is fitted with 170 Ah batteries.



Low entry. The low front entry promotes fast passenger through-flow and makes it easier for passengers with impaired mobility, for instance, to disembark from the bus.

Suspension. The Volvo B7R Low Entry is equipped with electronically controlled air suspension with a kneeling function, which promotes high comfort and a smooth ride.



Front disc brakes. In order to further boost braking ability, the Volvo B7R Low Entry is equipped with disc brakes at the front.

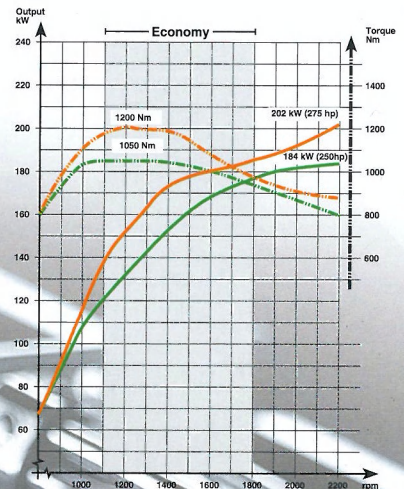


MODERN, POWERFUL AND FUEL-EFFICIENT

The engine in the Volvo B7R Low Entry, the Volvo D7, is a modern seven-litre six-cylinder diesel engine with a turbo-charger and Intercooler. It is available with 250 and 275 hp and conforms to the Euro 3 environmental requirements. The tough, durable and fuel-efficient engine was originally developed for Volvo's heavy trucks with gross weights of up to 32 tonnes – so there's plenty of power in reserve for the B7R Low Entry's gross weight of 17.5 tonnes.

A well-matched powertrain. The rest of the powertrain is dimensioned to get the greatest possible power out of the engine. For smooth and convenient progress, there is a choice of two automatic transmissions in three variants, with three, four or five forward ratios. All feature an integrated retarder for enhanced braking power. The rear axle, which is new and originally developed for Volvo's larger tourist coaches, has a choice of three ratios to provide the best performance within each area of application.

Modern environmentally optimised alternative. One new feature is that you can choose to factory-equip your Volvo B7R Low Entry with a Volvo exhaust filter that reduces emissions of hydrocarbons, carbon monoxide and particulates by 80-90 percent, or with an oxidising catalytic converter. Apart from getting one of the very best engines on the market from the viewpoint of environmental care, the Volvo D7 in Euro 3 configuration also gives you access to a modern electronic system. The system ensures secure communication between the bus's electronically controlled units and transmits detailed information to the operator, driver and workshop personnel. This information permits a clearer overview of operating costs, automatic control of basic functions and a reduced risk of serious problems while on the move, to take a few examples.



A SECURE DEAL

The Volvo B7R Low Entry is not only a good purchase, it is also a secure deal in the longer-term perspective. The sturdy and straightforward construction contributes to long component lifetime. Service and maintenance are also simplified. What is more, considerable component sharing with one of Volvo Buses' best-selling chassis, the Volvo B7R, means excellent availability of parts.

Volvo Buses is a world-leading manufacturer of chassis and complete buses. Our widespread service network is found in most parts of the world, which contributes to increased security for you in your capacity as a bus owner.

Volvo Buses offers not just vehicles but also a range of services in the fields of servicing and financing as well as systems for traffic control and traffic information. This makes it possible to tailor a transport solution that is perfectly suited to your operation. The aim is to give you higher vehicle availability, shield you from unexpected costs, put you in full control over the vehicle's total economy and forge greater security in your operations. The range of services may vary somewhat between different markets. For more detailed information, do please get in touch with your nearest Volvo dealer.

Financing
Hire Purchase
Finance Lease
Operating Lease
Contract Hire
Full Service Lease



Service
One of the most widespread service networks in the industry
Preventive Maintenance
Maintenance and repair contracts
Volvo Action Service
Workshops for bus service





VOLVO B7R LOW ENTRY

Facts

Frame

Steel frame with flat upper face, easy to bodybuild.

Engine

Volvo D7 with 250 hp / 1050 Nm and 275 hp / 1200 Nm in Euro 3 configuration.

Transmission

Automatic transmissions.

Rear axle

Rear axle with choice of three ratios for best performance in each application area.

Suspension

Electronically controlled air suspension with kneeling function. Independent front suspension.

Braking system

Disc brakes, ABS. The transmissions feature an integrated retarder as standard.

Driver's environment

The driver's environment is ergonomically designed with conveniently accessible controls. An adjustable steering wheel / instrument panel is available as an option.

Electronic system

Volvo Bus Electronic Architecture permits secure communication between the bus's electronically controlled units and provides detailed information to the operator, driver and workshop personnel.

Fuel tanks

Tank volume 220 litres. Installed on the wheel housing or as a transit tank.

Length

The Volvo B7R Low Entry is built in two-axle configuration, delivered with a transit wheelbase (3040 mm). Bodies up to 12.5 m in total length can be built. Certified WB 6800.

Gross vehicle weight

Max. gross weight 17,500 kg.

VOLVO

Volvo Bus Corporation

Göteborg, Sweden
www.volvo.com