

VOLVO  
**B9R RANGE**



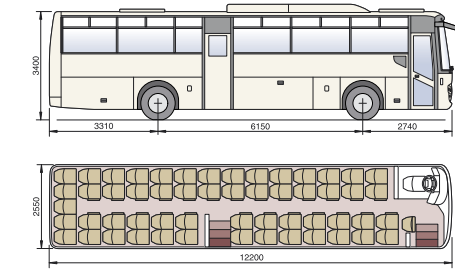
# B9R



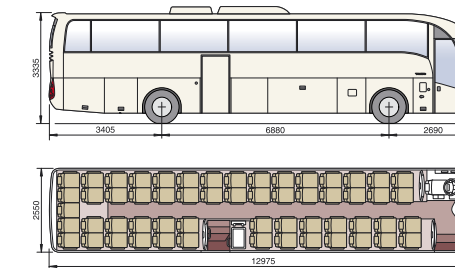


## VOLVO B9R

VOLVO B9R. Two-axle chassis with rear-mounted 9-litre diesel engine producing 340 or 380 hp. For buses with total length up to 13 m.



Volvo B9R for intercity route operations.



Volvo B9R for tourist operations.

INSTRUCTIONS FOR BODYBUILDERS. It is easy to install bodywork for the Volvo B9R. You will find bodybuilding instructions at [www.volvobuses.com](http://www.volvobuses.com).

## A BUS FOR ALL ROADS

The Volvo B9R is a weight-optimised chassis offering high reliability, low fuel consumption and good environmental properties, intended for tourist and express operations. The straightforward chassis design offers high capacity, while the fuel-efficient drive-line with our very latest 9-litre engine and automated I-Shift gear-changing system contributes to low operating costs. With the Volvo B9R you have a competitive alternative for all types of road. And a dependable foundation for high productivity and good overall economy.



## GREEN EFFICIENCY: GREEN AND EFFICIENT AT ONE AND THE SAME TIME

With increased environmental awareness and rising fuel prices, more and more people are turning to the bus. Therefore, operators who can offer an attractive and environmentally optimised alternative to the car now have a golden opportunity to recruit entirely new passengers. With the Volvo B9R you have some highly persuasive arguments in your favour. At the same time, you are laying the foundation for fuel-efficient transport and good total economy. That is what we at Volvo Buses mean when we talk about green efficiency: with us as your partner, you can be green and efficient at one and the same time.

MEETS EURO 5. Volvo's latest diesel engine, the Volvo D9B, is equipped with electronically controlled unit injectors and an overhead camshaft, which contributes to low fuel consumption and low emissions. The Volvo D9B meets emission requirements according to Euro 5. The engine is also available in versions that meet the Euro 4 and Euro 3 standards.

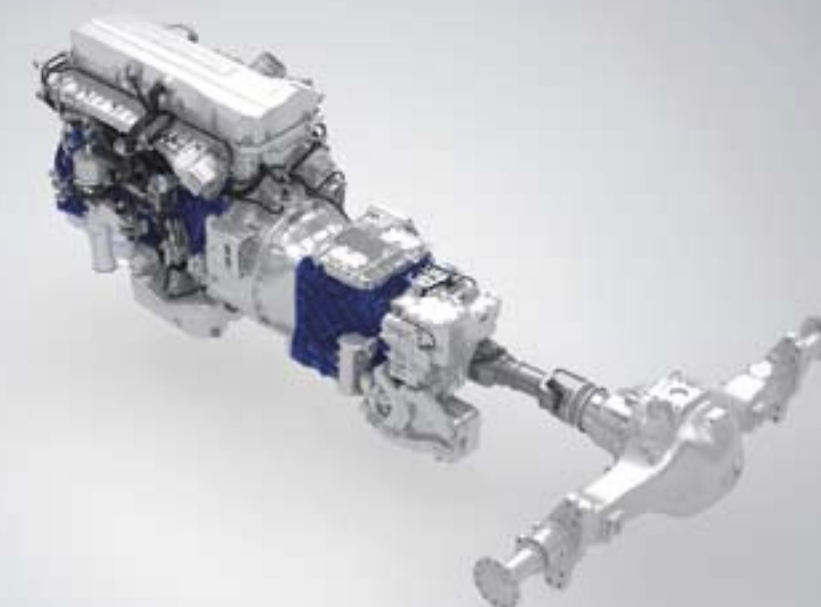


POWER WHEN YOU NEED IT. The Volvo D9B offers high torque across a broad rev range. This gives you an alert response from the start, good low-rev characteristics and plenty of power for acceleration.



CLEAN AND FUEL-EFFICIENT WITH SCR. The Volvo D9B has been engineered from the outset to provide high fuel efficiency and low particulate emissions. In order to also reduce emissions of nitrogen oxides to very low levels, it is equipped with SCR (Selective Catalytic Reduction) for treatment of the exhaust gases.

Another benefit is that SCR has a positive effect on fuel consumption. Customers who have chosen Volvo buses with SCR have seen fuel consumption improve by as much as in average 9 percent relative to the Euro 3 buses.



VOLVO I-SHIFT CONTRIBUTES TO GOOD FUEL ECONOMY. The Volvo B9R is equipped with Volvo I-Shift, our automated gear-changing system which has become such a huge success in both the bus and truck worlds. Volvo I-Shift combines the reliability of the manual gearbox with the automatic transmission's convenience and smoothness. Thanks to precise gearchanges and low internal frictional losses, Volvo I-Shift contributes to economical driving. What is more, Volvo I-Shift offers quiet and smooth gearchanges. Manual 6-speed gearbox is available as an alternative to I-Shift.

## SAFE ON THE ROAD

The statistics speak for themselves. Going by a bus is one of the safest ways of travelling. For us at Volvo, safety is one of our guiding principles, just as it was when we started operating more than 80 years ago.



**ELECTRONICS TO HELP YOU ON THE ROAD.** Volvo EBS (Electronic Brake System) contributes to increased safety and shorter stopping distances. With the help of advanced electronics, the system monitors parameters such as acceleration and wheel speed. Using this information, the system can adjust braking pressure individually on each axle, enhancing safety in difficult driving conditions. If the electronic system fails, there is an additional parallel system consisting of two pneumatic circuits. Volvo EBS is offered in differing performance levels, depending on the application. Your Volvo contact can provide more information.



**INTELLIGENT ELECTRONICS.** The feature that has made it possible to integrate many of these advanced functions in Volvo EBS is Volvo's multiplex electrical system. It also has a number of diagnostic functions that permit quick and efficient fault-tracing. Coolant level, oil level, oil pressure, air pressure, turbocharger pressure and other parameters are automatically checked every time the bus is started. The electronic architecture is designed for simple connection to the body's electrical system.



**HIGH-EFFICIENCY BRAKING SYSTEM.** The Volvo B9R is easy to drive and offers good roadholding, and like all Volvo buses it is characterised by a very high level of safety. The bus is equipped with Volvo's highly effective disc brakes with electronically controlled braking system (EBS). EBS has a range of safety and comfort-enhancing features such as Hill Start Aid, Emergency Braking Assistance and Brake Blending. When starting off on an uphill gradient, Hill Start Aid maintains braking effect for a few moments after the driver releases the brake pedal. Emergency Braking Assistance helps the driver maximise braking power in an emergency braking situation. Brake Blending allows all the wheel brakes, engine brake and retarder (if fitted) to interact optimally.



**HELPS THE DRIVER DRIVE SAFELY.** The driver's environment in the Volvo B9R is ergonomically designed and features a grip-friendly steering wheel and conveniently positioned controls and instruments. The instrument panel has large, clear instruments and a separate information display offering driver information. All placed so that the driver is able to concentrate fully on the task and drive safely and efficiently.

**STEADIER ON THE ROAD WITH ESP.** The Volvo B9R is now also available with Volvo ESP – Electronic Stability Program. ESP considerably reduces the risk of the bus rolling over or driving off the road, both in normal road conditions and when the surface is slippery.



**POWERFUL AUXILIARY BRAKES.** The Volvo compact retarder is a powerful auxiliary brake that handles much of the braking. As a result, there is far less wear on the wheel brakes while safety levels are even higher. The Volvo B9R is also available with the Volvo Engine Brake (VEB).





**OPTIMISED CHASSIS.** A lightweight, straight-forward chassis design makes the Volvo B9R a competitive alternative for all types of road.

## VOLVO B9R



**FUEL ECONOMY.** The latest generation of Volvo's 9-litre engine, the Volvo D9B, offers first-class fuel economy and plenty of power. The Euro 5 variant is rated at 380 hp (1700 Nm). The Euro 3 and Euro 4 variants offer 380 or 340 hp (1600 Nm).



**EFFECTIVE COOLING SAVES FUEL.** An electronic fan system optimises cooling and saves fuel.



**SIMPLE SERVICE.** All the service points are easily accessible, and Volvo's multiplex electrical system automatically checks basic functions such as coolant level, oil level, oil pressure, braking system pressure and turbo pressure every time the bus is started.



**EXHAUST TREATMENT WITH SCR.** The exhaust gases are cleaned using SCR (Selective Catalytic Reduction), which converts nitrogen oxides into harmless nitrogen gas and water vapour.



**ECONOMICAL GEARCHANGING.** The Volvo I-Shift automatic gearchanging system saves fuel and the environment and offers high gearchanging comfort.



**FUEL TANKS.** Fuel tanks are available in 2x150, 300 and 400 litre configuration.

**AIR SUSPENSION.** A conventional front axle with air suspension gives good stability. The front wheel deflection angle is a generous 55 degrees.



**SMART ELECTRONICS.** Volvo's multiplex electrical system is an advanced unit that offers a wide range of diagnostic functions.



**SIMPLE BODYBUILDING.** A straightforward frame with a flat upper face makes bodybuilding easier. Volvo's multiplex electrical architecture can be easily connected to the body's own electrical system.



**SAFETY.** Volvo compact retarder, electronically controlled disc brakes with EBS and ESP (Electronic Stability Program) contribute to the high safety standard.



## VOLVO B9R

VOLVO B9R. Two-axle chassis with rear-mounted 9-litre diesel engine producing 340 or 380 hp. For buses with total length up to 13 m.



**IMPROVED HANDLING.** The new steering system and front axle translate into improved handling and increased load capacity.

**TRANSPORT WHEELBASE.** The Volvo B9R can be built in lengths up to 13 m. Delivered with a transport wheelbase of 3.25 m.



**FACTORY-ENGINEERED FOR SIMPLE SERVICE.** The Volvo B9R has a service-friendly chassis. The oil-change intervals are up to 40,000 km provided you use oil that meets Volvo's VDS-3 standard. Many components such as the universal joints, support shafts in the rear axle and wheel bearings in the rear axle are entirely maintenance-free. This is possible thanks to a new type of grease that does not need to be changed. In addition, Volvo's multiplex electrical system acts as a preventive maintenance system. The electronic system steps in and limits engine revs and power output when necessary.



## A SECURE DEAL

If you choose a Volvo, you've got yourself a secure deal. Not just because the bus itself meets high standards concerning quality and availability, but because you also gain access to a comprehensive network of service workshops, an efficient system for parts supply, round-the-clock assistance, financing, driver training and much more. Volvo Buses is one of the world's biggest suppliers of large buses and is part of the Volvo Group. And that's something from which you'll benefit.



**FINANCING.** Volvo Buses' financing services cover hire-purchase, financial leasing, operating leasing and full-service leasing.

**A WIDE RANGE OF SERVICES.** Volvo Buses offers not just vehicles but also a range of facilities within servicing and financing that allow you to tailor a transport solution that is perfectly suited to your operation. The aim is to give you higher vehicle uptime, put you in full control of your total costs and generate greater security in your operation. The range of services offered may vary between different markets. For detailed information, please contact your Volvo representative.



**A STRONG NETWORK THROUGHOUT EUROPE.** Wherever you travel in Europe, you'll never be far from Volvo. From North Cape to Gibraltar, there are more than 1000 workshops and service centres ready to offer you personal service and support. Our service concept, Genuine Volvo Service with Genuine Volvo Parts, is a guarantee that your bus is always maintained in the best possible way, for maximum uptime and productivity. You can quite simply rely on us taking care of your bus, so that you in turn are free to take care of your business.

VOLVO B9R, United Kingdom and Ireland



VOLVO B9R, Spain



VOLVO B9R, Singapore



## REFERENCES



VOLVO B9R, Brazil



VOLVO B9R, Israel



## FACTS, VOLVO B9R

**FRAME.** Steel frame with flat upper face, making bodybuilding easy.

**ENGINES.** Volvo D9B in Euro 5 configuration is available with 380 hp (1700 Nm). Volvo D9B for Euro 3 and Euro 4 is available with 340 hp (1600 Nm) or 380 hp (1700 Nm).

**TRANSMISSIONS.** Volvo I-Shift, automatic gearchanging system, available with a choice of gearchanging programs and functions. Manual 6-speed gearbox is available as an alternative to I-Shift.

**REAR AXLE.** Rear axle with a wide range of ratios for best performance within each application area.

**SUSPENSION.** All-round air suspension. Anti-roll bars on both axles as standard.

**BRAKING SYSTEM.** Volvo electronically controlled disc brakes (EBS). ESP (Electronic Stability Program). Volvo compact retarder and Volvo Engine Brake (VEB) are optional.

**DRIVER'S ENVIRONMENT.** The driver's cab is ergonomically designed and features conveniently positioned controls, easily adjustable seat and an adjustable steering wheel.

**FUEL TANKS.** 2x150, 300 and 400 litres.

**LENGTH.** Transport wheelbase 3.25 m. Can be built with bodies up to 13 m in length.

**TOTAL CAPACITY.** Maximum permitted gross weight 19 000 kg depending on application and local legislation.



**VOLVO BUSES. WHEN PRODUCTIVITY COUNTS**

**VOLVO**

**Volvo Bus Corporation**

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[www.volvobuses.com](http://www.volvobuses.com)