



Volvo Buses. Driving quality of life

# VOLVO B7R RANGE

Supreme cost-efficiency





# VOLVO B7R

## The safe moneymaker

A money-maker and a champion in productivity, that's the Volvo B7R in a nutshell. With more than 38,000 units sold and billions of profitable kilometres it has been a bestseller for decades. Unsurpassed fuel efficiency, extremely reliable and very easy to maintain and service. It's suitable for a wide range of body options, from efficient city buses to comfortable inter-city and line-haul coaches. And built-in from the start are the Volvo safety features which help the driver stay in control and avoid dangerous situations.

## A versatile base for BETTER BUSINESS

### For versatile applications

Busy city traffic, untiring commuting or cost-efficient line-haul? With the Volvo B7R range you will get just the vehicle you need. Medium-floor or low-entry versions let you to specify the perfect solution for your operation.

### True uptime

Volvo's proven reliability, service-friendly layout and trouble-free maintenance will keep your vehicles on the road. We're by your side all the way.

### World-leading fuel efficiency

Volvo's legendary 7-litre engine has been ranked the most fuel-efficient bus diesel engine in the world. Combined with Volvo's long service intervals that make for low operational costs and superior productivity.

### Driver performance

The Volvo B7R is great to drive. Everything in the driver's area is set for superior ergonomics. Why not add on Driver Training and I-Coaching to exploit the full potential of your buses?

### World-class safety

Safety is deep in the DNA of Volvo. Your drivers and passengers will benefit from the vehicle's predictable and consistent road behaviour and wide range of safety features.

### Passenger satisfaction

Ride comfort starts with chassis stability. Balanced suspension and structural rigidity make for a solid and pleasant passenger experience.

### Environmental care

The low fuel consumption also means low emissions. Furthermore, the B7R is available with emission specifications up to Euro 5 and EEV.

### Business in partnership

Our promise is to be your best business partner, with services to maximise uptime, reduce life cycle cost and facilitate the management of your fleet.





SAFETY

## The best WAY TO GO

Going by bus or coach is the safest way to travel. For school bus operations as well as for busy city and intercity traffic, a Volvo is the safer choice. The mechanical durability creates a solid base for reliable safety, which is enhanced with a range of additional features. When it comes to preventive safety, the road behaviour of the Volvo B7R range is a real asset. Consistent and predictable, it helps the driver stay in control, just like in every other Volvo.

## Safety is in our DNA

### **Excellent handling and braking**

Road handling and consistent behaviour are crucial safety factors. This is especially important in critical situations when the brakes are put to the test. The fifth generation of EBS-controlled disc brakes with brake blending and ABS are well-known Volvo safety components.

Brake pad wear and brake temperature are monitored automatically. And for added safety you can opt for our Electronic Stability Program (ESP) which is a great help when driving in adverse conditions.

### **Active safety starts with the driver**

Solid engine torque across a wide rev range in combination with a smooth automatic transmission provides a unique driving feel. A logical, easy-to-read instrument panel, enhanced human-machine interface and the easily adjustable steering wheel are just a few examples of its features. An ergonomic working environment helps the driver drive more safely and stay focused and alert.



⋮ The power generated in emergency braking corresponds to thousands of horsepower.  
⋮ Volvo's braking system is designed, refined and manufactured to the highest quality  
⋮ standards and will serve throughout a long service life. In your daily operations, the bus  
⋮ itself monitors brake pad wear and temperature. For you and your passengers' safety.



VERSATILITY IN APPLICATION

# B7R

## On solid ground

**The Volvo B7R** is a pleasure to work with. Through body-building and in service and maintenance too. The flat top of the framework allows efficient body construction and guarantees a long, productive life. The compact and service-friendly driveline installation extends the scope for creating a spacious and efficient vehicle.



### Front suspension B7R

The well-proven rigid front suspension offers excellent comfort and handling, with a tight turning circle.



### Simple service

The engine installation, cabling and connectors as well as all other service points are located for easy access. This provides for rapid and reliable service, a true Volvo hallmark.



### Transmission

The B7R/LE is available with four- or six-speed automatic gearboxes, or a six-speed manual for the B7R.



### Brakes

Powerful EBS-controlled disc brakes are well-known Volvo safety components. The automatic gearboxes offer the option of a built-in retarder, and for top-of-the-line safety you can opt for our Electronic Stability Program (ESP).

# B7R LE

## Low entry made easy

**The Volvo B7R LE** allows for high passenger capacity and quick entry and exit. The kneeling function and wide centre aisle make for efficient passenger flow, and the chassis layout permits wide doors. For your flexibility, the B7R LE can be specified with an instrument cluster only, or with Volvo's highly appreciated full dashboard, including control satellites.



### Automatic function check

The multiplexed electronics system keeps track of the basic functions. All safety features are checked at every start-up. Automatically.



### Driver's environment

Volvo means world-class ergonomics. Clear instrumentation and logical control panels help the driver stay alert, focused and in control.



### Wide rear door

Smart location of the cross-member allows for a full-width rear door.



### Front suspension B7R LE

The low rigid front axle combines a low entry step with a tight turning circle and a wide centre aisle.



ENVIRONMENTAL PERFORMANCE

# POWER

## and environmental performance

The driveline, based on Volvo's 7-litre diesel engine, is probably the most efficient on the market. 290 hp and 1200 Nm of torque contribute to smooth handling in all situations. The choice of transmissions allows for combinations that will suit any need, and Volvo's single-reduction rear axle is available in a range of ratios. The benefits are the traditional Volvo hallmarks of

first-class driveability, outstanding fuel efficiency and low environmental impact. The Volvo D7 engine uses common rail injection technology and we offer versions complying with emission standards up to Euro 5 and EEV (Enhanced Environmental-friendly Vehicle). For the B7R you can specify manual or automatic gearboxes, while the B7R LE comes with automatic only.

## World-leading fuel efficiency

### Pure profitability

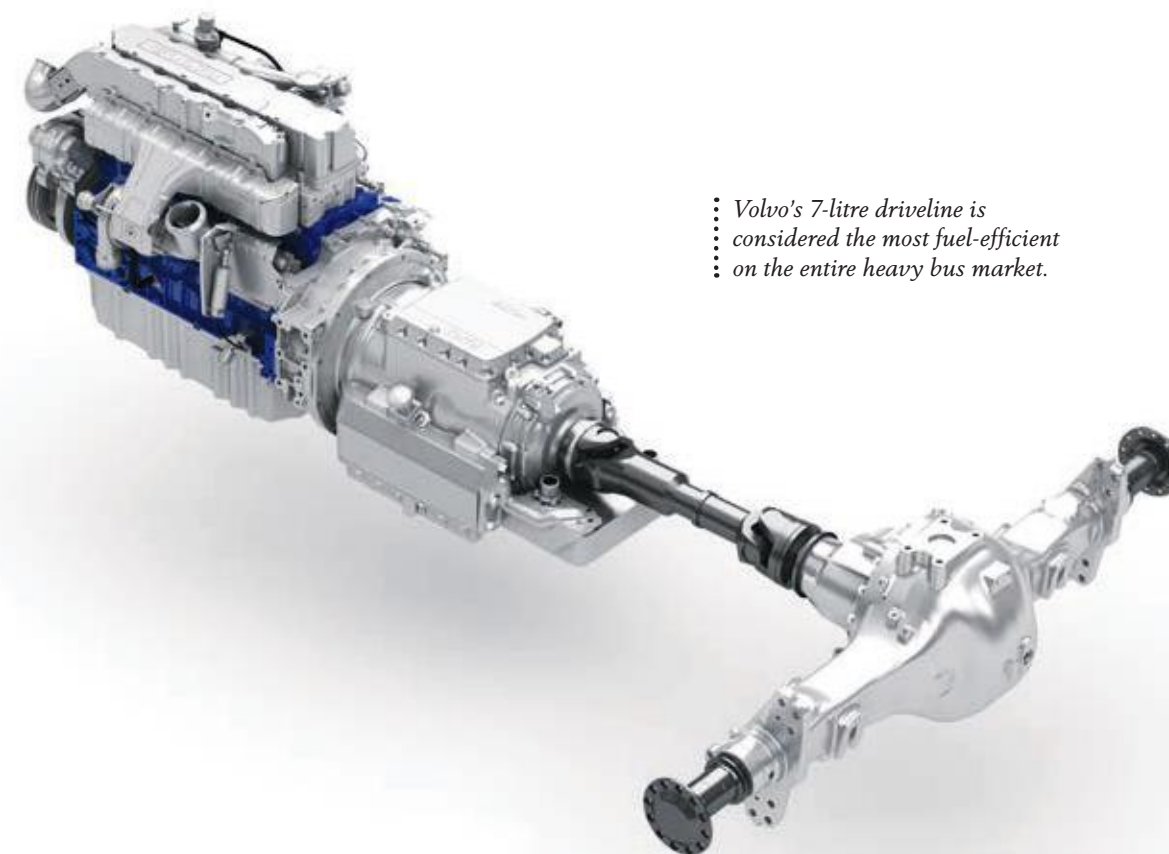
The Volvo D7E engine is highly efficient, which is the first prerequisite for low emissions, but also for low operating costs. Featuring an engine ranked as the most fuel-efficient in the world, the B7R is the obvious choice for cost efficiency.

### Trouble-free maintenance

Every Volvo chassis is designed for long service intervals and swift and simple maintenance. Oil change intervals are extended and many critical components are maintenance-free, such as the prop shafts, half shafts and rear wheel bearings. In addition, Volvo's multiplexed electronics system serves as a preventive maintenance and diagnostics tool.

### Simple service

With Volvo, service and maintenance are simple matters. All service points are easily reached and, owing to component sharing within the Volvo family, your spare parts logistics is simplified. You also benefit from our extensive service network, which we share with Volvo Trucks. There are also specialised Bus Service Centers that provide competence, tools and parts for all your needs.



Volvo's 7-litre driveline is considered the most fuel-efficient on the entire heavy bus market.



# What's your MAIN CONCERN?

Volvo offers a range of services from which to choose. All our services are based on the concerns expressed by our customers. Our objective is to establish and maintain long-term, mutually beneficial co-operation, with your productivity and service level in firm focus. Quite simply, we want to be your best business partner.

**Vehicle Management**

Keeps track of mileage, usage, wear and technical alerts. Your vehicles will stay operative with minimum downtime.

**Financing**

Regardless of your fleet size, Volvo can always offer very competitive financing solutions, perfectly suited for your business situation.

**I-Coaching**

Instant feedback gives cost reduction through lower fuel consumption and reduced wear. Improved passenger comfort.

**Driver Training**

Identifies the need for improvements and provides practical training.

**Parts Supply Contracts**

Availability of Genuine Volvo Parts and right-sizing of your spare parts stock are ensured by a combination of prediction and follow-up.

**Volvo Action Service**

Worldwide assistance, multilingual phone support and a range of assistance services open 24/7.

**Service Contracts**

Substantially reinforce uptime and availability, at a specified monthly rate.

**Fleet Management**

With real-time monitoring, a set of aggregated reports are created that make it possible to go into detail for each vehicle. Technical alerts and events are also included.

# SERVICES

# FACTS AND FIGURES

**Dimensions and weights**

| Model                              | B7R 4×2   |          | B7R LE 4×2 |           | B7R LE 6×2 |
|------------------------------------|-----------|----------|------------|-----------|------------|
|                                    | Euro 3    | Euro 5   | Euro 3     | Euro 5    | Euro 3     |
| Overall chassis length approx. (m) | 10.2–12.4 | 9.9–12.9 | 10.4–12.5  | 10.1–12.5 | 10.9–13.4  |
| Approved wheelbase (m)             | 4.8–6.9   | 4.5–7.4  | 4.8–6.8    | 4.5–6.8   | 5.0–7.4    |
| Overall width (m)                  | 2.5–2.6   | 2.5–2.6  | 2.5–2.6    | 2.5–2.6   | 2.5–2.6    |
| Permitted GVW (kg)                 | 19,000    | 18,000   | 18,600     | 19,000    | 24,750     |

**Powertrain**

|                   |   |
|-------------------|---|
| Emission standard | Euro 3, 5 and EEV.  |
| Engine            | Volvo D7E, 6-cylinder, in-line diesel engine.             |
| Output (hp)       | 290   |
| Torque (Nm)       | 1200  |
| Transmission      | 6-speed manual and 4- or 6-speed automatic transmissions. |

**Fuel tanks**

|               | B7R 4×2 | B7R LE 4×2 | B7R LE 6×2 |
|---------------|---------|------------|------------|
| Diesel (L)    | 300–400 | 220–410    | 310–410    |
| AdBlue (L)    | 48      | 48         | 48         |
| Transport (L) | 50      | 50         | 50         |

**Brakes**

Volvo electronically controlled disc brakes (EBS). Anti-lock Braking System (ABS), Brake Blending, Hill Start Aid, Brake Assist. Volvo Electronic Stability Program (ESP) as option.

**Frame**

Precision-built, strong, durable frame made of carbon steel. C-profile beams with flat, bodybuilder-friendly upper surface.

**Driver's environment**

Ergonomic design with easy-reach controls. Adjustable driver's seat and steering wheel (reach and rake). Volvo instrument cluster with enhanced HMI.

**Axles, suspension and steering**

|                         |   |
|-------------------------|---|
| Front axle              | Volvo Rigid Front Suspension.   |
| Rear axle               | Volvo single reduction axle with alternative ratios available.        |
| Tag axle                | Hydraulic steered/Fixed.  |
| Suspension              | Electronically controlled air suspension. Front and rear stabilisers. |
| Power steering          | Hydraulic power steering.   |
| Steering wheel position | LHD/RHD   |
| Tyres                   | 295/80R22.5"  |



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**VOLVO**

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