



Volvo Bus. Driving quality of life

# VOLVO B11R

A benchmark for economy, productivity and passenger comfort





B11R Jonckheere JHV2

### **Reliable business results**

The Volvo B11R is the backbone of a good coach business. Whether your need is a premium touring coach or a comfortable contract hire vehicle, the B11R will exceed your expectations. The highly fuel-efficient Euro 6 engine will cut your operational costs, while Volvo's high quality ensures superior functionality, passenger comfort and lifecycle productivity.

⋮ *The excellent road handling and driveability make it a pleasure to drive, while your passengers will enjoy excellent stability and ride comfort. And not least benefit from Volvo's top position in reliability and safety.*

# A successful FORMULA

## Fuel efficiency

The fuel-efficient 11-litre Euro 6 engine with uncompromised power and performance, combined with Volvo I-Shift and a line-up of fuel-saving services.

## True uptime

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

## For versatile applications

Premium charter or cost-efficient transit? With the Volvo B11R you will get just the coach you need. Two or three-axle configuration combined with several power ratings allows you to optimise it for your specific operation.



*B11R Jonckheere JHV2*

## Business in partnership

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

## 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 a wide range of safety features.

## Environmental performance

At Volvo Bus we give you environmental performance with a business upside. We continuously develop technology and services to reduce the footprint of your operation even more.

## Driver performance

Road handling and power resources make the Volvo B11R simply great to drive. Everything in the driver's area is set for superior ergonomics.

## VDS - a world-first for unique driving comfort

An optional extra, Volvo Dynamic Steering gives totally effortless driving at low speed and supreme stability out on the road. Automatic return-to-zero, even when reversing, takes a lot of strain and wear out of driving.

## Assistance for safer driving

The B11R can be equipped with a new driver assistance package. Collision Warning and Emergency Brake, Adaptive Cruise Control and Lane Keeping Support make driving safer and more comfortable.

## TRUE UPTIME

With Volvo quality inside you have a solid base for long-term productivity.



B11R Sun Sundegui SC7

# Designed for 100% availability

**A coach belongs on the road.** Running efficiently, securing your business. We know every minute and every mile counts. That is why the Volvo B11R and our services are designed to give you maximum uptime. Proven Volvo technology and extremely durable mechanical design ensure reliability and a long service life. Add services such as Vehicle Management and Service Contracts and you can count on what matters: uptime 24/7.



### Trouble-free maintenance

Maintenance and reliability are crucial issues in the lifecycle productivity perspective. The B11R is designed for long service intervals and swift and simple maintenance. Many critical components are maintenance-free, such as chassis suspension, steering and prop-shafts. In addition, Volvo's multiplexed electronics system supports preventive maintenance and offers a diagnostics tool.



### Tailored Service Contracts

With our Service Contracts you get a service plan optimised for your business. Aspects such as operational conditions, mileage, climate, chartering or line-haul determine the solution. The result is maintenance exactly when needed, and assurance that only Genuine Volvo Parts are used – fitted by experts. Our "European Blue" service contract comes as standard (2 years, 160,000 km).



### Vehicle Management services

Adding our maintenance planning service helps you optimise vehicle availability and avoid unplanned stops. Through on-board telematics you know exactly how much and under what conditions your fleet is running, allowing you to adapt your maintenance and optimise your operation.

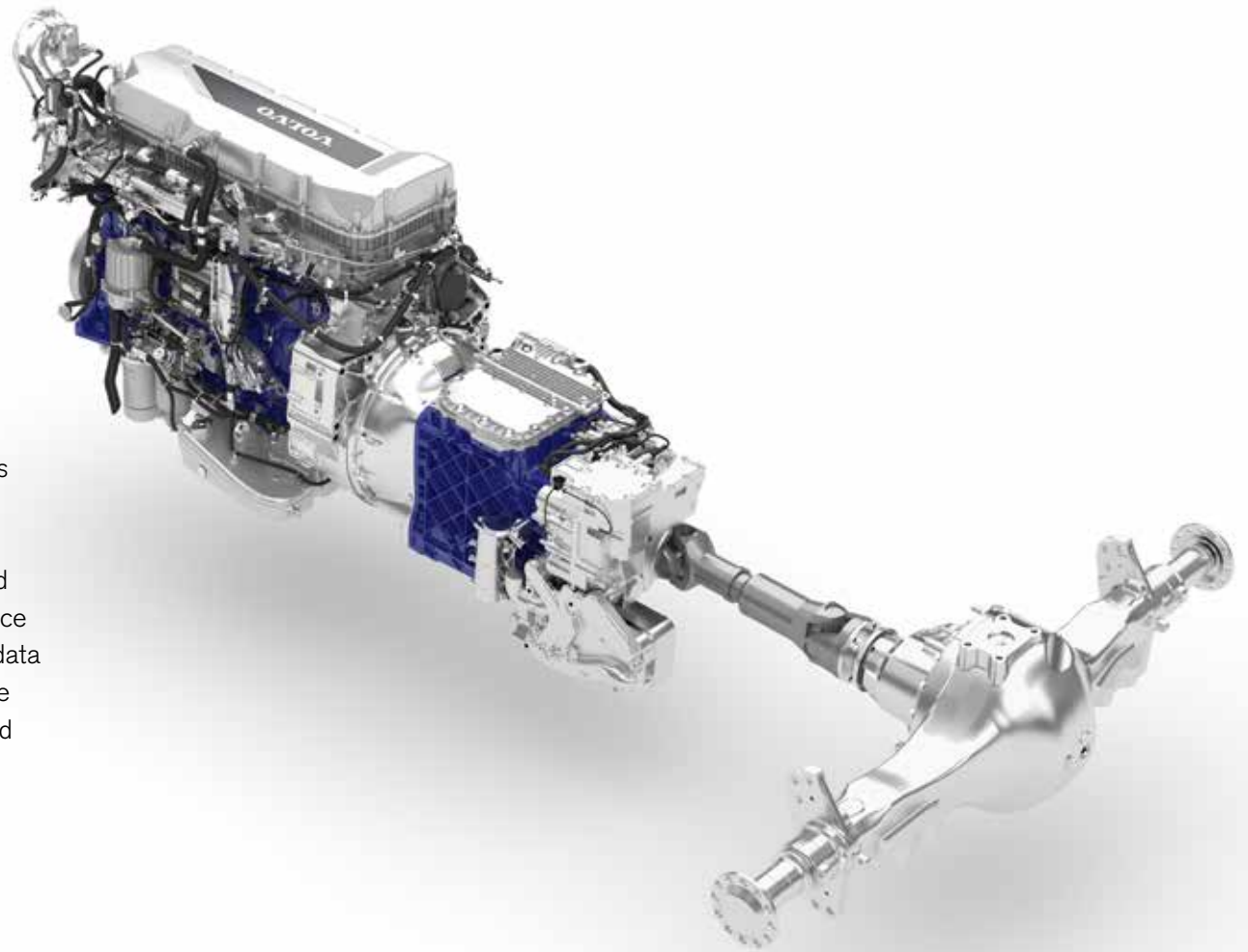
# Save up to **10%** of your fuel cost

**Volvo's Euro 6 engine range** is even more fuel-efficient than its predecessors reducing fuel consumption while maintaining power output and torque. However, fuel economy is not only a matter of engine specifications – it's also about how the vehicle is driven and maintained. That's why we continuously develop services that reduce fuel consumption. Fleet Management reports provide operational data which will allow you to reduce your fuel costs even further. With the legendary Volvo I-Shift 12-speed gearbox you can obtain increased efficiency offering bottom line profit from day one.



## **Save fuel online**

With Fleet Management you can optimise maintenance costs and reduce fuel consumption. The detailed reports allow you to trace reasons for variations in fuel consumption. When you know whether it's the vehicle, the driver or the route that causes problem, it's easy to take action.





RENOWNED VOLVO SAFETY

## OUR VISION IS CLEAR: ZERO ACCIDENTS WITH VOLVO GROUP PRODUCTS

### **At Volvo safety is a primary concern**

Always. That's why we continuously go beyond legislation and introduce safety features long before, sometimes decades before, they become a legal demand. We do it because we can and because it offers a higher level of safety. If it can be done it should be done, and we know that your passengers will appreciate the consideration you show by choosing Volvo.

### **A responsibility in society**

For us, safety is so much more than just developing innovative safety solutions in our products. We also have a responsibility in society and an important role to play when it comes to making road traffic safer. This goes far beyond just ensuring superior safety for drivers and passengers, it also encompasses the safety of other road users. And we know we can make a difference. Volvo Group is one of the world's largest companies in terms of safety research for commercial vehicles.

SAFETY

The best

# WAY TO GO

**Going by bus or coach is the safest way to travel.** Especially when you rely on Volvo. 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 B11R is a real asset. Consistent and predictable, it helps the driver stay in control, just like in every other Volvo.

## Excellent handling and braking

EBS-controlled disc brakes and the Volvo Engine Brake are well-known Volvo safety components. For top-of-the-line safety, a retarder and our Electronic Stability Program (ESP) come as standard on all B11Rs in the UK and Ireland.

## Alert and focused

The B11R offers a solid base for a superior driver's environment. An easy-to-read instrument cluster, enhanced human-machine interface minimising driver distraction, adjustable steering wheel and easy-to-manoeuvre I-Shift lever are just a few examples of its features.

## Active safety

Road handling and consistent behaviour are crucial safety factors. This is especially important in critical situations when the brakes are put to the test. High engine torque across a wide rev range in combination with the Volvo I-Shift transmission, provides a unique driving feel and dependable acceleration for safer overtaking.

# A breakthrough for safer driving

The Volvo B11R offers a unique package of systems for driver assistance. Volvo Dynamic Steering, VDS, is a world-first from Volvo that makes coach driving a completely new experience.

Volvo Dynamic Steering adapts power assistance to the actual need in each situation. At low speed, steering is completely effortless, a great benefit when parking and in roundabouts. Add to that the unique return-to-zero, even when reversing. At higher speed, the system instead gives added stability and virtually eliminates sensitivity to uneven surfaces.

## Driver Support system

With Driver Support System the operator will benefit from fewer accidents and reduced injuries in the event of a collision.



**CWEB, Collision Warning and Emergency Brake**, detects the vehicles in front and warns the driver when there is a collision risk. If the warning is ignored it is escalated and first followed by gentle braking, and then by emergency braking with maximum retardation.



**LKS, Lane Keeping Support**, monitors the lane markings and alerts the driver when the risk of an unintentional lane departure is identified. The warning is given as a vibration in the seat, or as an acoustic signal.



**VDS, Volvo Dynamic Steering**, features a powerful electric motor assisting the power steering mechanism. The driver benefits from increased stability, less strain and the unique return-to-zero capability. (optional extra)



**ACC, Adaptive Cruise Control**, detects slower vehicles in the lane you are occupying, and adjusts your speed in order to maintain a safe distance. (optional extra)



## DRIVER PERFORMANCE

# The driver's

# DREAM

**The road feel and driving experience** are truly special when in a Volvo B11R. The precise steering and smooth gear changes combined with the high engine torque, the responsiveness and the outstanding driveability make the driver's work a pleasure. Depending on application you can choose between independent and beam axle front suspension, both with excellent comfort and a tight turning circle. A steerable tag axle further enhances manoeuvrability.



### **Gear up with I-Shift**

Volvo's legendary I-Shift transmission is as effortless as an automatic transmission. It combines smooth shifting with fuel efficiency and lets the engine run under optimised conditions. The control software helps the driver maintain a high average speed and gives the passengers a pleasant journey.



**The functional design of a Volvo B11R** naturally extends to the driver's environment. Everything is set for superior ergonomics; for example a steering wheel that adjusts in relation to the pedals, a perfectly designed I-Shift lever and an instrument cluster designed to display only relevant information and minimise distraction.

**FOR VERSATILE APPLICATIONS**

# Build your **COACH**

With the Volvo B11R as a base you can build just the coach you need. This versatile chassis provides maximum flexibility for bodybuilding and opens up for a wide range of applications. No matter whether you aim for a premium coach, a tour and charter money-maker or a transit workhorse. It's still Volvo quality and reliability all the way.



*B11R Sunsundegui SC7*

## **Capacity for passengers - and their luggage**

Your Volvo B11R can be specified to meet almost any kind of need. It's available in different lengths and its load capacity means it can cater for wide variations in the seat numbers and luggage compartment capacity. A range of power ratings, beam or independent front suspension and two or three-axle configuration take versatility to a new level.

## **Body options**

The Volvo B11R can be specified as a complete Volvo vehicle in the form of a 9700, or with Jonckheere, Sunsundegui SC7 or Plaxton bodywork.

## **Volvo power on tap**

Volvo engines are known for first-class driveability. The D11K Euro 6 engine is no exception and its impressive performance span is one reason why the B11R suits virtually every application. Depending on your needs you can choose from three different ratings up to 460 hp, all with massive torque across a wide rev range.

## ENVIRONMENTAL PERFORMANCE



## Green efficiency

# BUILT IN

**At Volvo** we see no contradictions between environmental concern and profitability. On the contrary. That is why we lead the way when it comes to intelligent solutions that give you environmental performance and benefits with a business upside. We call it Green Efficiency, and that is what you get with every Volvo.

### **The secret - reduced fuel consumption**

The easiest way to deliver environmental performance is to reduce fuel consumption while maintaining power output and torque. And that's exactly what we do with our lighter Euro 6 engines. We call it right-sizing. Together with our advanced engine management system and innovative exhaust after-treatment solution you get increased efficiency, with green benefits.

- *The Driveline*
- *The Volvo B11R features the highly efficient*
- *11-litre Euro 6 engine, Volvo I-Shift and an*
- *extremely durable single-reduction rear axle.*

## BUSINESS IN PARTNERSHIP

# It's the built-in extras that will help SAVE MONEY

When you buy a Volvo B11R, you don't only buy a coach. You buy a business. And with our experience, knowledge and business understanding, we promise to be your best business partner. With your operation in mind, we can propose a combination of reliable services completely designed to optimise your ownership, at a well-defined cost. Ultimately helping you to maximise uptime, reduce life cycle cost and facilitate the management of your fleet. And not least, helping to secure the outstanding residual value for which Volvo Bus is so famous.



### **Volvo Bus Services**

With our range of services we can take part or complete responsibility for managing your vehicles and guaranteeing a trouble-free operation. Fleet Management, Vehicle Management, Service Contracts and Financing are just a few examples of services that help you stay in control of the cost and performance of your fleet.



### **European Service Network**

With over 1000 workshops and service centres throughout Europe, we offer personal service and support wherever you are. With our Genuine Volvo Service you can count on your coach always being serviced in the best way possible, and always with Genuine Volvo Parts to ensure the performance, reliability and safety of your coach.



### **Volvo Action Service**

Volvo Action Service is our assistance service, available round the clock, 365 days a year. One call and help is on the way to anyone with a fault with their Volvo coach. Volvo Action Service is there to assist you with everything from repair services to financial and legal assistance, from interpreting and translation, to getting your driver and passengers back home.

# FACTS AND FIGURES

## Dimensions and weights

Model	2-axle	3-axle
Overall length [m]	12.2-12.8	13-15
Permitted GVW [kg]	18 000	24 750

## Powertrain

Emission standard	Euro 6
Diesel engine	Volvo D11K, 6-cylinder, in-line diesel engine with common rail injection
Output [hp] Torque [Nm]	380, 430 or 460 1800, 2050 or 2200
Transmission	Volvo I-Shift automated gearbox with integrated retarder. ZF Ecolife automatic transmission option with integrated retarder (380 hp only).

## Exhaust system

One box system.

Volvo Exhaust Aftertreatment System combining SCR, EGR and DPF (Selective Catalytic Reduction, Exhaust Gas Recirculation and Diesel Particulate Filter).

Automatic regeneration of DPF without driver intervention in normal service.

## Fuel tanks

Diesel [l]	480 litres or bodybuilder supply
AdBlue [l]	64

## Axles, suspension and steering

Front axle	Volvo Beam Axle or Volvo Independent Front Suspension
Rear axle	Volvo single reduction axle with optimised ratios
Tag axle	Hydraulic Actuation
Suspension	Electronically controlled air suspension with kneeling function available on all variants
Power steering	Hydraulic power steering
Tyres	295/80 R22.5" 315/80 R22.5"
Wheels	Alcoa Durabrite standard

## Brakes

Volvo electronically controlled disc brakes (EBS), Electronic Stability Program (ESP) and Volvo Engine Brake (VEB). Brake Blending Function, Hill Start Aid and Brake Assistant.

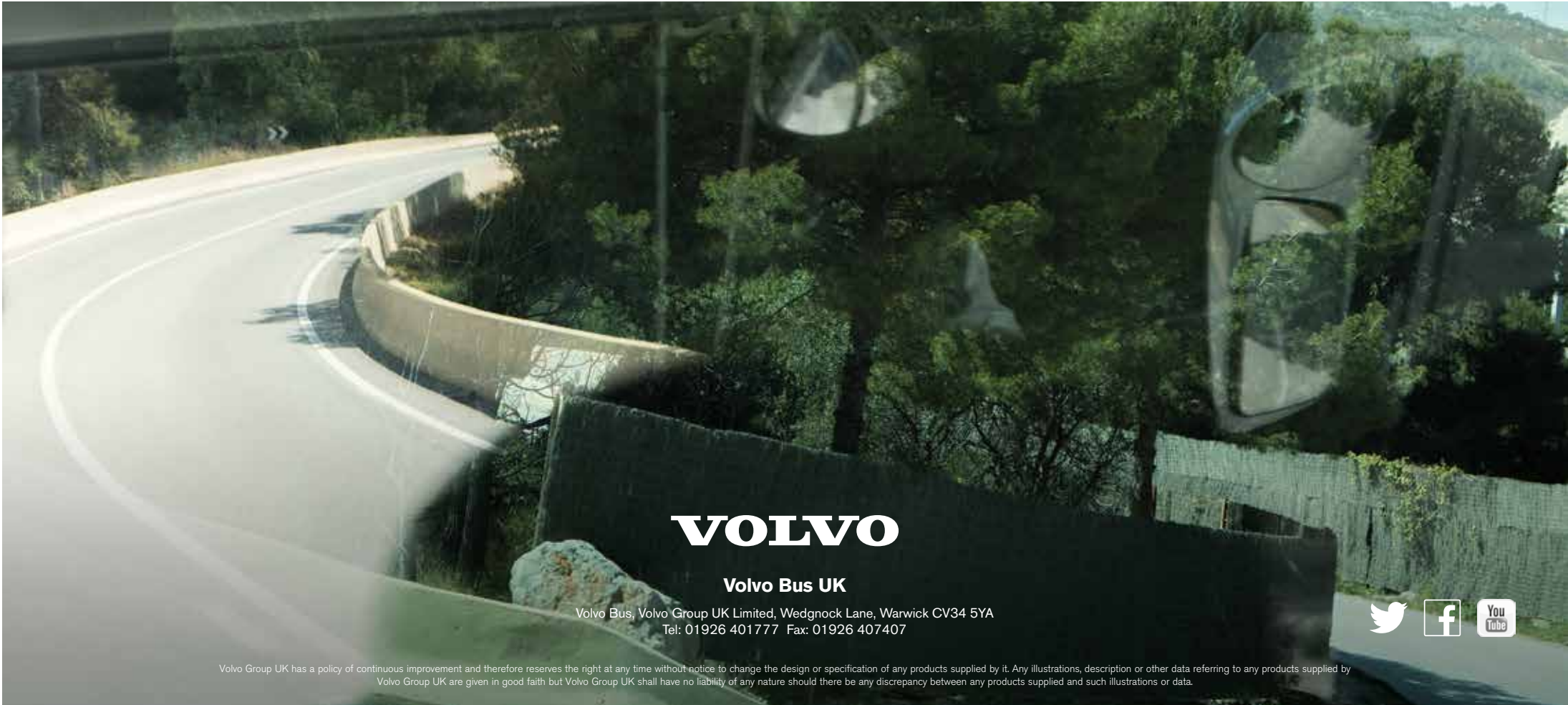
## Driver's environment

Components such as the adjustable steering wheel, instrument cluster and the placement of the foot pedals provide the foundation for an ergonomic driver's environment. New Volvo instrument cluster with enhanced HMI.



Discover more on [www.volvobus.co.uk](http://www.volvobus.co.uk)

**Volvo Bus. Driving quality of life**



**VOLVO**

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