



Volvo Buses. Driving quality of life

# VOLVO 8900

Your hard-working partner





## Everyday reliability and **PROFITABILITY**

**The Volvo 8900** meets all the needs of intercity and commuting operations. It's highly versatile thanks to a wide range of variants, yet firmly focused on reducing operating costs.

A very efficient driveline and an outstanding driver's environment make for excellent performance and driveability. Count on maximum uptime and reliability for your investment.

- ⋮ *In and out of cities and suburbs, onto the urban highways.*
- ⋮ *That's the home ground of the Volvo 8900.*

### **Versatile in application**

The Volvo 8900 is available in a number of variants, opening up for a range of applications and allowing you to maximise productivity in your operation.

### **Real uptime**

The entire Volvo 8900 and our services are designed to give you maximum uptime with trouble-free maintenance exactly when needed.

### **Satisfied passengers**

Going by bus should be a pleasure and with the Volvo 8900 it really is. Every day, all the year round. Comfort and a relaxing journey are vital parts of commuting.

### **Fuel efficiency and lower operating costs**

Three different power ratings allow an optimised and fuel-efficient driveline for any type of driving cycle. In addition we offer a range of services that reduce fuel consumption even further.



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

Volvo Dynamic Steering gives totally effortless driving at low speed. Automatic return-to-zero, even when reversing, takes a lot of strain and wear out of driving.

### **Commuting in style and comfort**

Comfort and functionality are the design keywords for the interior of the Volvo 8900. Your passengers will appreciate the pleasant climate, the comfortable seats and the optional individual service sets.

### **Business in partnership**

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

### **Environmental performance**

At Volvo Buses we lead the way when it comes to intelligent solutions that give you environmental performance with a money-saving business upside. Such as our highly efficient engines.

### **Increased driver performance**

The driver's environment is one of the best available, with world-class ergonomics, Volvo dashboard and a range of possibilities for individual adjustments.



Built to  
**NEVER**  
let you down

**The Volvo 8900** has an outstanding uptime appreciated by demanding operators and PTAs in major European cities. The explanation is simple: the entire Volvo 8900 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 an individual service plan, Driver Training and our renowned workshop efficiency and you can count on what matters – maximum availability.

- Stronger, lighter and easier to maintain.
- Our patented jointing technique helps keep
- your vehicles on the road.



**Vehicle uptime services**

With our Service Contracts you get maximum vehicle availability at a fixed monthly cost. In addition, we can tailor an individual maintenance plan completely optimised for your Volvo 8900 fleet. High workshop efficiency, unique diagnostic tools and Genuine Volvo Parts help boost uptime even further.

**Unique body concept**

Volvo's unique body concept features a patented jointing technique, combining extreme strength with low weight for superior reliability. It's shared with the Volvo 7900 range, which means your entire city and intercity bus fleet can benefit from 70% parts commonality. The result? Faster repairs, superior parts availability, reduced costs and enhanced productivity.

Saving fuel from  
**DAY 1**

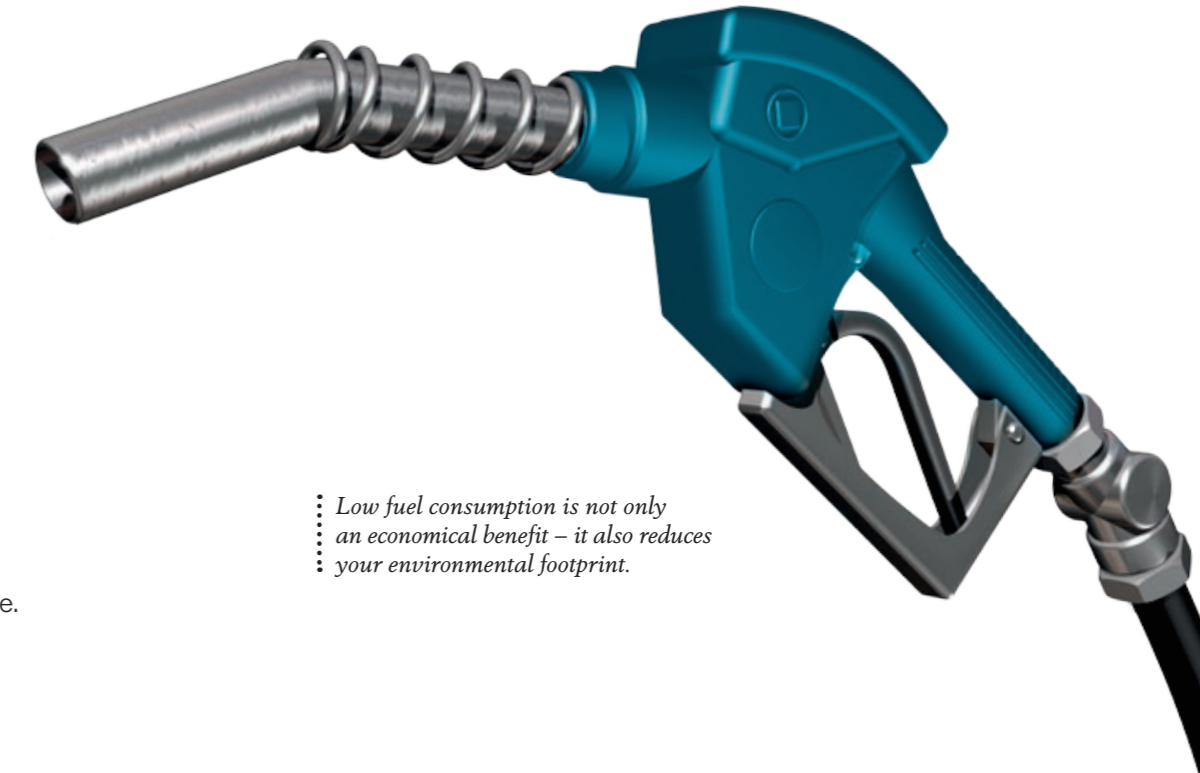
**The Volvo 8900** features a 8-litre Euro 6 engine, one of the world's most fuel-efficient diesel bus engines. However, fuel economy is not only a matter of engine specifications – it's also about how you drive and maintain the vehicle. That's why we continuously develop services that reduce fuel consumption. Reaching two-digit fuel savings is entirely possible. Bottom line profit from day one.

**Less weight – reduced fuel consumption**

Our body concept combines both aluminium and steel, giving you a perfect balance of strength and low weight. The result is not only an extremely durable, corrosion resistant body, the design also saves important kilos, helping to reduce fuel consumption.

**Power – with superior fuel efficiency**

The Volvo D8K is a highly responsive yet very fuel-efficient engine with an extended economical rev range. A choice of transmissions, precisely integrated into the driveline gives further fuel savings and a direct positive impact on your operational costs.



- Low fuel consumption is not only
- an economical benefit – it also reduces
- your environmental footprint.



**Fuel saving services**

With our Fleet Management services you get detailed reports that allow you to trace the reasons for variations in fuel consumption and take action. For example with Driver Training, helping you to improve the skills of your drivers and save fuel.

ENVIRONMENTAL PERFORMANCE

## Clean performance **PAYS OFF**

**At Volvo**, we lead the way when it comes to providing environmental performance with a clear business upside. And that is exactly what you get with the Volvo 8900 – designed for reliable and profitable intercity operation with outstanding productivity and environmental performance. Part of the solution is our 8-litre Euro 6 engine, giving the power you need, while minimising fuel consumption. For us at Volvo, this is right-sizing The engine itself is extremely fuel efficient, which in turn results in low emissions and AdBlue usage. And of course, the engine is certified for HVO and RME.

INCREASED DRIVER PERFORMANCE

## Designed around **THE DRIVER**

**The driver's environment** in the Volvo 8900 is probably one of the best available, with world-class ergonomics and superior visibility. The adjustable dashboard features easy to read instruments and controls located within convenient reach. Volvo's instrument cluster is designed to display only relevant information, minimising distraction and helping the driver stay focused and alert.

### **The biggest improvement since power steering**

Volvo Dynamic Steering is nothing less than a revolution. The main benefits are effortless manoeuvring, especially in roundabouts and sharp cornering. All this, and the automatic return to dead-ahead position, means a great deal of relief to the drivers neck and shoulders – and eventually, a reduction of sick days.

### **Instant feedback**

I-Coaching helps the driver to improve safety, fuel efficiency and passenger comfort. It gives instant feedback on parameters such as over-revving, excessive idling, over-speed and harsh curving, helping the driver improve performance.

### **Driver Training**

Even your best drivers can enhance their skills and learn how to exploit the full potential of the bus. Fine-tuning driving safety and economy for maximum productivity and passenger satisfaction.



**A city bus driver turns the wheel** thousands of times every shift. VDS can significantly reduce strain and injuries in the neck, shoulders and arms, especially for female drivers who generally have a shorter reach. With VDS we can expect a clear reduction in sick days and rehabilitation costs.

## 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.

## Traditionally innovative

### Thorough safety testing

We perform several full-scale tests to ensure the highest possible safety. Side impact tests, authentic rollover tests and drop tests to check roof strength are just a few examples.

### Focused driving environment

An optimal driver's environment supports an alert and focused driver. Ergonomic design, low noise and comfortable climate.

### Outstanding visibility

Large glass panels, well-dimensioned exterior mirrors, powerful lighting including fog lights and a reversing camera ensure superior visibility.

### I-Coaching

Supports the driver with instant feedback that contributes to safer driving.

### Excellent handling and braking

The outstanding road control and stability are ensured by Volvo's Rigid Front Suspension (RFS) and Electronic Stability Program (ESP). And Volvo's electronically controlled disc brakes (EBS) deliver excellent braking capacity.

### Request Support Alert

In the event of an emergency situation, immediate on-line emergency alarm is sent using the mobile network.

### Volvo Alcolock

Want to enhance safety even further? Specify the Volvo Alcolock as an additional safety feature.

### Stability and precision

Volvo Dynamic Steering gives increased directional stability and virtually effortless manoeuvring. The increased precision and a more fit and alert driver are substantial safety factors.

### Volvo passenger seats

The passenger seats feature deformation zones, no sharp edges and minimised pinch points. They are available with 2-point or 3-point seatbelts.

### Child safety

The seats can be equipped with either integrated rearward facing child seats or booster cushions.

### Enhanced Roll-over protection

The Volvo 8900 complies with the extended R66.02 specifications for roll-over tests. A carefully designed structure and a meticulous material choice offers excellent protection for the passengers.



VERSATILE IN APPLICATION

Just the bus

# YOU NEED

The Volvo 8900 is all about versatility and flexibility, easily specified to be just the bus you need. Capable, reliable and ready to take on a wide range of assignments when you build a complete full-service commuter or intercity fleet. Think of it as next to limitless possibilities, allowing you to design your Volvo 8900 to meet your specific needs. Choose between low entry and medium floor models in a variety of lengths, with three power levels, two- or three-axle design, with or without podesters. Select between various seating layouts, comfort levels, safety features and tailor luggage capacity to suit your requirements. Ultimately creating exactly the Volvo 8900 you need to maximise productivity in your operation.

SATISFIED PASSENGERS

## Beauty comes from inside

**The passenger space** of the Volvo 8900 is defined by attractive simplicity and functionality. Its clean lines, uncluttered surfaces, attractive colours and individual elements are all in harmony, creating an environment that is inviting and spacious. Your passengers will appreciate the comfortable Volvo-designed seats with their wide range of accessories. And for those longer journeys, there are practical details such as the generous luggage racks and optional service sets with individual reading lamps.



**All aboard.** Boarding and exiting are moments of truth for efficient bus operation. With the Volvo 8900 your passengers will benefit from low entry, kneeling function and efficient interior layout for superior passenger flow. For passengers with mobility disabilities the boarding ramp facilitates boarding still further.



**Customer care.** Your passengers have the right to expect both convenience and comfort. In the Volvo 8900 the interior is bright and spacious and the upgraded ventilation keeps the climate controlled. Add to that very good visibility and a low interior noise level.



**Comfortably seated.** The Volvo 8900 features seat options, ranging from space-efficient city seats to high-spec intercity comfort. Smart textiles make for long-lasting freshness and easy cleaning. To boost safety still further, the intercity seats can be equipped with three-point seat belts, booster cushions and even integrated rear-facing child seats.

## Your business partner FOR UPTIME

When you build a fleet entirely or partly with Volvo 8900 buses, you build a solid operation. 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 operation, at a well-defined cost. Ultimately helping you maximise uptime, reduce life cycle cost and facilitate the management of your fleet. And not least, helping you secure productivity and long-term profitability.



### Vehicle uptime services

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



### Let your Volvo remain a Volvo

As a Volvo owner, you can rely on the superior quality of Genuine Volvo Parts to help secure uptime. In addition, the Volvo 8900 shares many of its parts with the Volvo 7900 range. A huge benefit when you run a fleet containing both models, for instance in terms of simplified maintenance routines and workshop procedures.



### Volvo Bus Financing

Our attractive financial solutions are tailored to facilitate not only the purchase process but also your entire ownership experience. What you get is one single contact for vehicles and financing who is familiar with your business and helps you save both time and money.



# FACTS AND FIGURES

## Dimensions and weights

Model	Low Entry		Medium floor	
	2-axle	3-axle	2-axle	3-axle
Length [m]	12.0	13.7	12.2	14.9
	13.0	14.7	13.0	
Width [m]	2.55			
Height [m]	3.30			
Permitted GVW [kg]	19 500	24 750	19 500	24 750

## Powertrain

Emission standard	Euro 6
Diesel engine	Volvo D8K, 6-cylinder, in-line diesel engine with common rail injection
Output [hp] Torque [Nm]	280, 320 or 350 1050, 1200 or 1400
Transmission	Volvo I-Shift automated gear-changing system or automatic transmission from ZF or Voith. All transmissions available with integrated retarder.

## Axles, suspension and steering

Model	Low Entry	Medium floor
Front axle	Volvo RFS-L low rigid front axle	Volvo RFS rigid front axle
Rear axle	Volvo's single reduction axle with optimised ratios	
Tag axle	Hydraulic steered	
Suspension	Electronically controlled air suspension with kneeling function available on all variants	
Power steering	Electrically powered hydraulic steering on 2-axle low entry model. Hydraulic power steering on other models. Volvo Dynamic Steering available as option.	
Tyres	275/70 R22.5" 295/80 R22.5"	295/80 R22.5" 315/80 R22.5"
Rims	Steel or aluminium rims available	

## Brakes

Volvo electronically controlled disc brakes (EBS). ESP optional on medium floor models.

## Driver's environment

Spacious driver's environment with wide range of individual adjustment possibilities.

Volvo dashboard meets EBSF and VDV demands.

Rotatable driver's seat on low entry model.

## Passenger seats

Volvo City or Intercity bus seats available in wide range of variants. All Volvo seats optimised for easy cleaning and maintenance.

## Doors and door system

Door system	Electric or pneumatic
Door layout	Wide range of layouts with single or double doors, eg. 2+2+1 or 1+1+0

## Climate system

Zones	Separate climate zones for driver and passengers
Ventilation and heating	Powerful ventilation, roof heating units
AC max [kW]	28 or 38



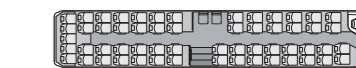
Volvo 8900 Low Entry



Volvo 8900 Low Entry Bogie



Volvo 8900



Volvo 8900 Bogie



**Volvo Buses. Driving quality of life**



**VOLVO**

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