

VOLVO 8900

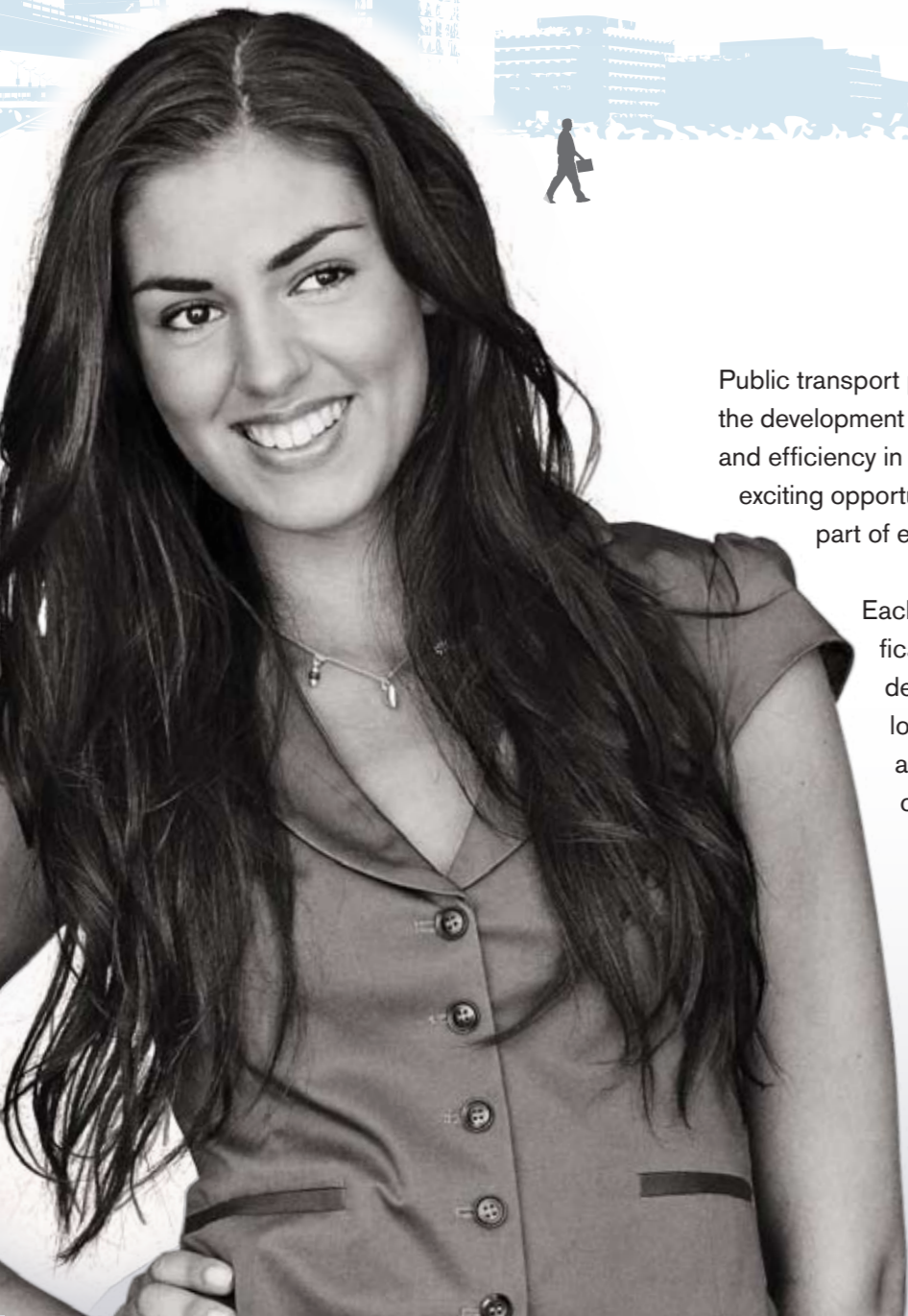


**DESIGNED TO
MOVE
YOU**



THE URBAN CHALLENGE

A VOLVO IS MORE THAN A BUS



Public transport plays an increasingly important role in the development of our society. To us, environmental care, and efficiency in moving people, are challenges but also exciting opportunities. That's why green efficiency is part of everything we do.

Each new model we introduce means significant steps ahead. In our research and development, new materials, hybrid technology and alternative fuels are vital. And, as always with Volvo, there is a clear focus on safety and ergonomics.

At Volvo, we always remember that it is our customers, the drivers and passengers who can judge whether our efforts are worthwhile. By doing so, they help us move our goals forward. Through close cooperation we are convinced that we're getting there. **Getting there, together.**

As a matter of fact there's a lot more to it. We take responsibility, not only for the bus itself, but also for its function and for your trouble-free ownership. That's why Volvo also offers comprehensive solutions that cover all aspects of managing the vehicle. From financing and service programmes to warranties, training and telematics.

Your benefits are increased uptime, improved parts availability, higher service level in your operation, and well-defined cost – factors that substantially boost reliability, driver productivity and overall long-term profitability. Hence Volvo Buses have developed a total offer package exclusively for the Volvo 8900 range. This package includes the following components*:



Service contracts offer (Blue & Gold)

- Maintenance and repair service contracts.
- High vehicle availability.
- Reduced fuel consumption and a safer bus.
- Predictable service and repair cost.
- Genuine Volvo Service and Genuine Volvo Parts.

Expanded body warranty for key functions, for example:

- Paint
- Corrosion
- Structure

- Floor
- Doors
- AC
- Destination signs

Fuel Management

- Eco driving training tailor-made for bus operations.
- Fuel reports, performance reports, telematics.

Life Cycle/Green Public Procurement Cost (LCC/GPP)

- LCC/GPP calculation performed for each batch before delivery.
- Possibility to assist with GPP cal-

culations to meet new EU regulations for public procurement.

- Follow up of result after approximately one year in operation.

Financing - efficient solutions

- Simplicity – a one-stop-shop.
- Packaged solutions at a monthly fee.
- Customer financing through Volvo Financial Services.

* Gold service contract and financing are optional components in the Volvo 8900 total offer package.

READ MORE ABOUT OUR SERVICES ON WWW.VOLVOBUSES.COM

VOLVO 8900

The requirements of a city bus are many and to some extent contradictory. Our answer is found inside the Volvo 8900. By using both steel and aluminium, we can combine the benefits of both. Add strength and reduce weight. It brings a new meaning to the idea of versatility as we can build a range of variants with virtually the same elements.

The use of aluminium not only saves weight. A unique structure, as well as our patented jointing method, gives unparalleled build precision and, by easily replaceable parts, savings in service and repair. Best choice materials save weight, cost – and the environment.

The Volvo 8900 is ideal for commuting and short to medium distance intercity operations. By combining driveline and chassis alternatives with a comprehensive options programme, the Volvo 8900 meets a wide spectrum of customer requirements.

The needs of the passengers constitute the base. Quick entry and exit, low noise, comfortable seats, large tinted windows, powerful ventilation and a thorough safety concept are all Volvo hallmarks.

Still, one thing is the same regardless of variant – the driver's environment. The importance of ergonomics and convenience cannot be overrated. At the end of the day, it is the driver who creates productivity.

Outstanding ergonomics

Outstanding possibilities to adjust the seat as well as the steering wheel with its control satellites make it easy to find an ideal driving position, regardless of height, body constitution or preferences.

Driver's climate zone

A separate zone for the driver's climate makes it much easier to stay fit, alert and attentive to the passengers. And for extended safety, Volvo's Alcolock is available as an option.

A clear view

Visibility is a crucial safety factor, and the Volvo 8900 sets a new standard. Large glass panels, three-section rear view mirrors and an optional reversing camera support safe and cautious driving.

Personal storage

A generous storage compartment with room for personal belongings enhances convenience and safety.



YOUR SUCCESS IS IN THE DRIVER'S SEAT

A normal working day for a bus driver is nothing but a true challenge. Focus on the traffic in order to drive safely, and still be there on time, is one part of it. Meeting the passengers – your customers – and exceeding their expectations is another. Day in, day out.

The Volvo 8900 is built with the driver in focus. And in the development of the driver's environment we aimed for nothing less than world-class ergonomics. Queries, interviews, workshops, simulations and mathematical analysis have enabled us to learn what really counts when you drive a bus professionally.



STRONGER

VOLVO'S NEW BODY CONCEPT

The Volvo 8900 is built on the principle of best choice material, and that's why we combine steel and aluminium. Besides less weight, the use of aluminium for the body structure means an exciting set of advantages. Together with our patented jointing technique we achieve impressive precision and build quality. The result is a rigid body that enhances the driver's handling of the bus as well as the passengers' comfort.



Aluminium doesn't rust

Aluminium is corrosion resistant which is an important factor for the expected service life of the bus. There is also an environmental upside, as the aluminium structure can be recycled to 90%.

Long service life

A rigid body lasts longer, and the service life increases with Volvo's new body concept. In addition, every kilo saved means less mechanical stress on every critical point.

Modularity

Several components are grouped and many elements are bolted to the frame. This means that many repairs require no welding. Uptime increases and repair costs are cut. Add to

that swift replacement of bumper corners, GRP side panels and wheelhouse covers.

Extended body warranties

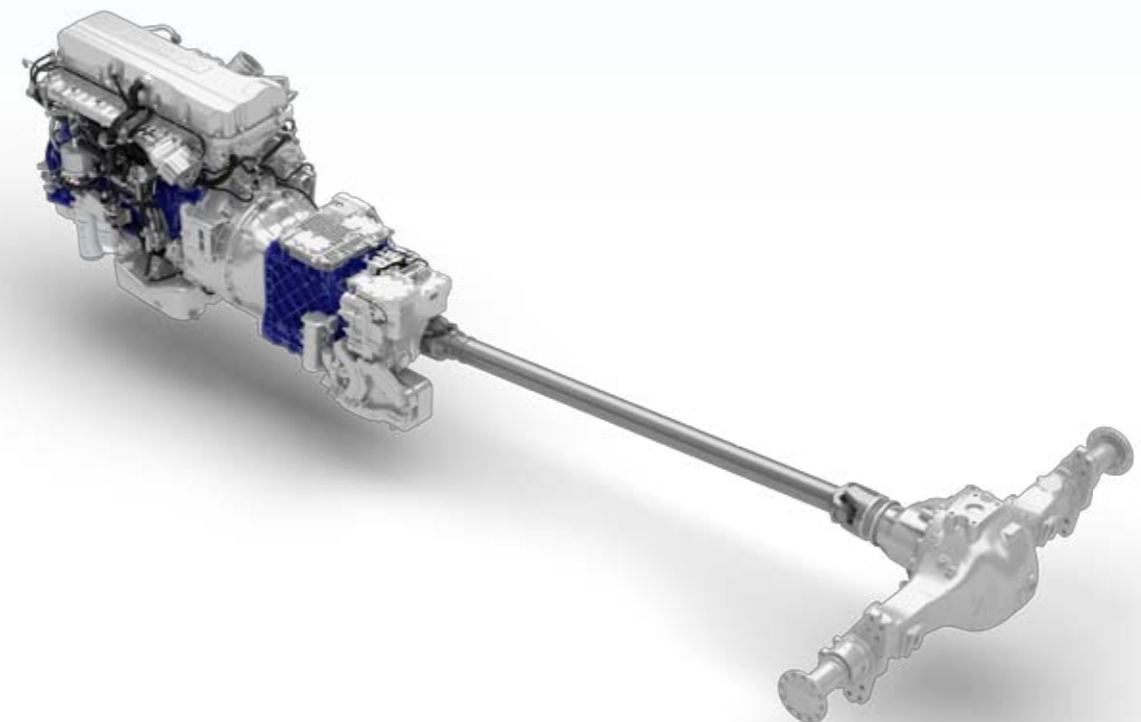
The expected lifetime of the bus is extended, and from Volvo we confirm this by offering a Volvo 8900 total offer package which includes extended body warranties.

Improved parts availability

More common parts enhances service and maintenance efficiency throughout the product range. Add to that improved documentation and stocking for customer specific parts and traceability in aftermarket systems, by individual bus specification.

HANDLE YOUR PASSENGERS WITH CARE

To guarantee a smooth and comfortable ride, there has to be a balance between engine output power and transmission characteristics, between brakes and suspension. A bus is technically an advanced product, and optimising its performance is a delicate task.



Power to the people

The ideal engine for a bus is powerful, smooth, efficient and better than the requirements of environmental regulations. Just like the 380 bhp D9B and the 290 bhp D7E. They meet the Euro 5 standards and are fully biodiesel compatible. As with all Volvo engines, you can look forward to solid wide-range torque and outstanding driveability.

Particularly clean

The requirements of reduced emissions are constantly revised, and Volvo's ambition is to stay ahead of the regulatory framework. A DPF filter reduces emissions of harmful particles by approximately 80%.

Gear up

Automatic gearboxes safely put the engine's power onto the tarmac. The D9B comes with Volvo's renowned I-Shift. The transmissions are carefully designed to allow the engine

to deliver power under optimised conditions. Upgrades of engine and transmission control software reduce fuel consumption even more.

Full stop

The Volvo 8900 brakes and suspension perfectly balance the firm and consistent engine temperament. The electronically controlled disc brakes feature the Brake Blending function, ensuring a consistent behaviour despite varying road conditions. In addition, the automatic gearboxes have integrated retarders, and Electronic Stability Program (ESP) is available as an option.

Tough, tougher - Volvo

In a Volvo, durability and strength are built-in by thorough dimensioning of every detail. As an example the rear axle has a service interval of up to 400,000 km depending on transport cycle.



BEAUTY COMES FROM WITHIN

Welcome onboard and have a seat in the Volvo 8900. The interior is spacious, quiet and simply looks great with a balanced visual impression from colours and materials. Regardless of specification, a class-leading level of comfort and safety is maintained.



Sit back and relax

Once seated you'll notice it's very comfortable. The seats are Volvo throughout, developed by Volvo, according to Volvo standards and are an integrated part of the passengers' environment. All seats can be equipped with 2- or 3-point seatbelts.

Stay cool

The climate control system includes heating, cooling and ventilation functionality. The system provides air conditioning with separate outlets for each seat – and a separate zone for the driver.

Clear messages

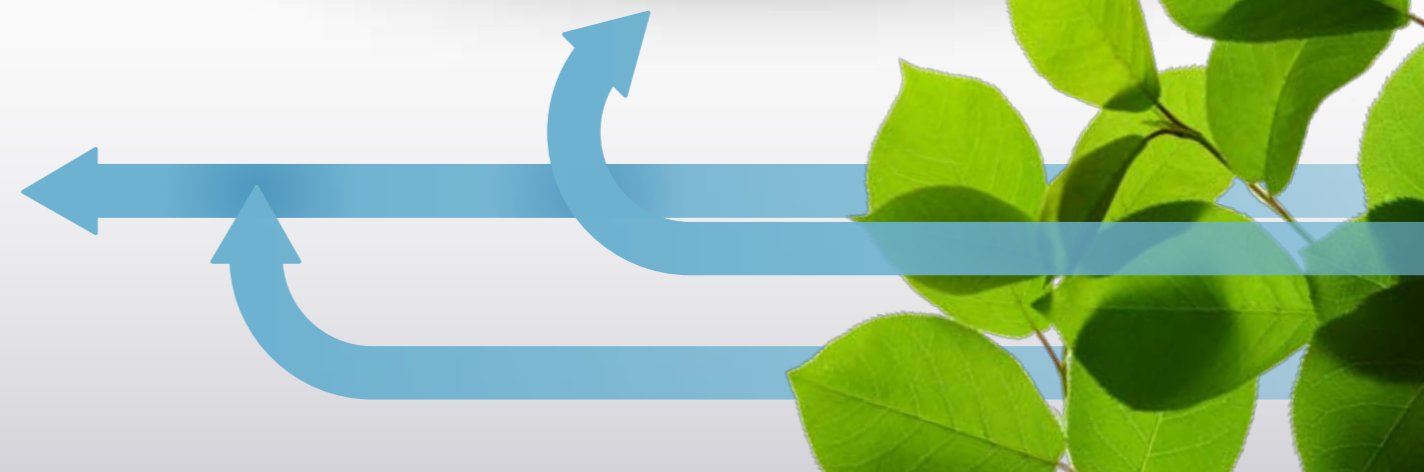
Passenger information is shown on an integrated display. Video surveillance is available as an extended safety option.

Free entrance

Stepping onboard is easy – low entry, a boarding ramp and a kneeling suspension makes entry and exit very quick and efficient. And very uncomplicated for passengers with a baby carriage or wheelchair.

CLEARLY A VOLVO

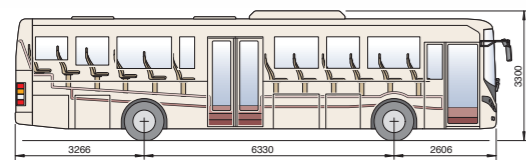
Already from afar you can see it's a Volvo. Through a distinct visual language and a consistent design strategy Volvo buses are never mistaken for something else. But you'll also see that the Volvo 8900 is new. The dynamic lines around windows and V-shape at the front create a strong visual impression and a clear Volvo identity. Details on the Volvo 8900, like rear view mirrors and lights are not designed just to look good, but – of course to perform at the top. We all know that things that work well, very often look good.



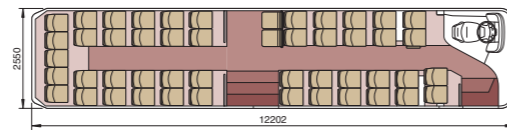
THE VOLVO 8900 RANGE

The versions offered cover a wide range of usage within the field of city, inter-city and commuting operations. Efficiency is enhanced by the low-entry versions, whereof the 6x2 bogie provides excellent capacity. By sharing components with other Volvo buses service and maintenance is simplified. And with the powerful engine alternatives the Volvo 8900 range offers exceptional operational flexibility.

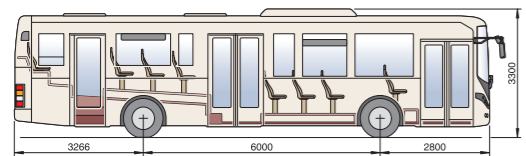
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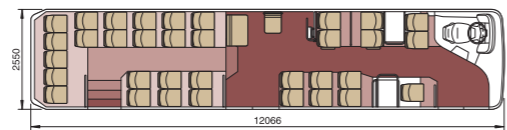
Length: 12.2, 13.0 m, rear-mounted 7-litre engine.



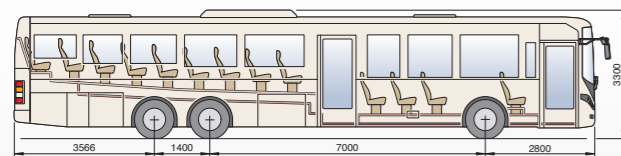
VOLVO 8900 LOW ENTRY



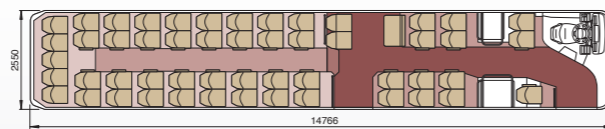
Length: 12.0, 13.0 m, rear-mounted 7-litre engine.



VOLVO 8900 LOW ENTRY BOGIE



Length: 13.7, 14.7 m, rear-mounted 7-litre engine or 9-litre engine.



FACTS AND FIGURES

Driver's compartment

The driver's environment is spacious, effectively sound-insulated and present world-class ergonomics. It features easy-to-view instruments and an adjustable steering wheel with attached control satellites.

Structure

The body is built on the principle of best choice materials. The use of aluminium and our patented jointing method help create a strong, corrosion-resistant and easy-to-maintain bus with low weight and a long service life.

Passenger environment

A spacious, comfortable and safe passenger environment with a pleasant climate and a low noise level. There is a wide range of specifications including a fully automatic and powerful ventilation system, three-point seatbelts, child booster cushions and several comfort-enhancing features. The bus's spacious luggage compartment is supplemented by large and easily accessible luggage racks inside the bus.

Climate control

Efficient climate system with separate climate controls for the driver. In the articulated bus, the climate in the front and rear passenger compartments can be controlled separately.

Engines

Volvo D9B 380 bhp (1700 Nm).
Volvo D7E 290 bhp (1200 Nm), available in EEV version and with DPF. All engines meet Euro 5 standards using SCR technology.

Transmissions

The Volvo D7E comes with automatic transmission from ZF or Voith.
The Volvo D9B comes with I-Shift.

Rear axle

Rear axle with a wide range of ratios for best performance within each application area (2.85–5.63).

Suspension

Volvo 8900: Rigid front suspension (860 mm floor height).

Volvo 8900 Low Entry: Rigid low front suspension.
Electronically controlled air suspension with kneeling function available on all variants.

Brakes

Volvo electronically controlled disc brakes (ESP option).
Volvo compact retarder (D9B).
Brake Blending function (all).
Automatic transmissions feature an integrated retarder (D7E).

Doors

There is a wide range of door layouts with single or double doors at the front and in the middle (for example 1+1+0 or 2+2+1).

Gross weight

Max gross weight 18.0–25.5 tonnes depending on model variant.

Luggage volume

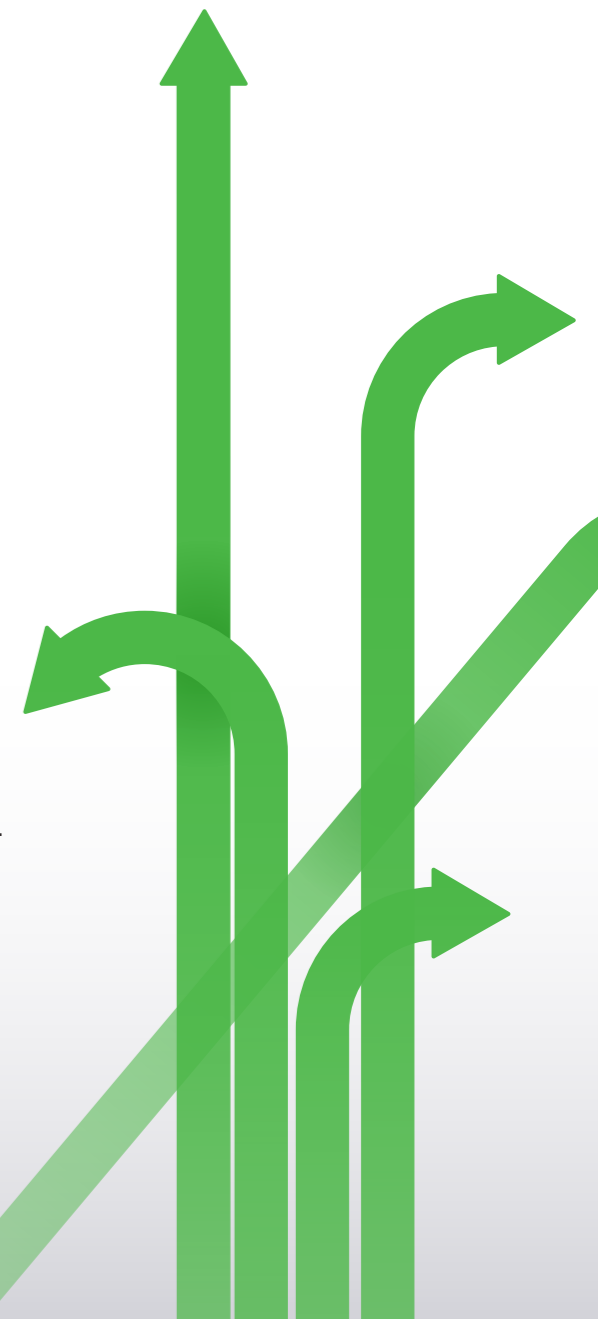
Up to 8 m³ depending on specification.

Dimensions

Volvo 8900 (860 mm floor height):
Height 3.3 m. Length 12.2–13.0 m.
Width 2.55 m.

Volvo 8900 Low Entry: Height 3.3 m.
Length 12.0–14.7 m. Width 2.55 m.

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WWW.VOLVOBUSES.COM



VOLVO BUSES



VOLVO

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