

VOLVO
8500
RANGE



VOLVO

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Regnbågsgatan

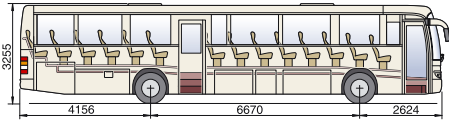
16 Ekestrådgatan



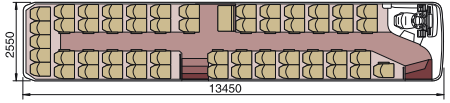


VOLVO 8500 MODEL RANGE

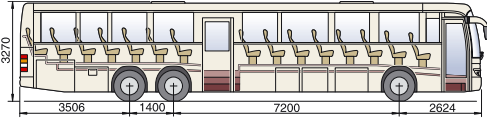
Volvo 8500 Sample layouts



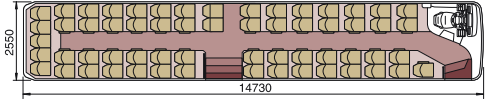
12.0, 13.5 m, mid-mounted 12-litre engine.



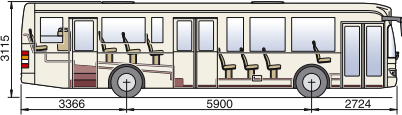
Volvo 8500 Bogie



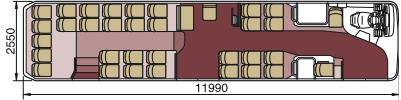
14.7 m, mid-mounted 12-litre engine.



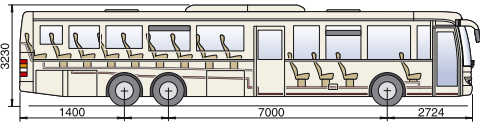
Volvo 8500 Low-Entry



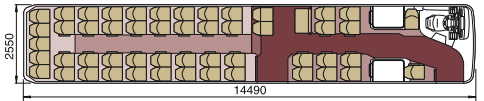
12.0, 13.1 m, rear-mounted 12-litre engine.



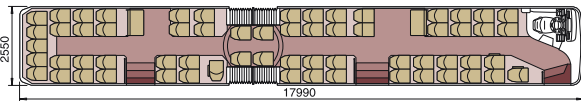
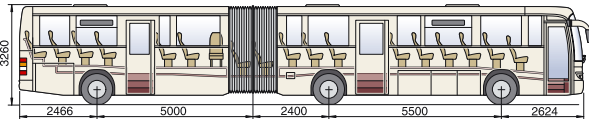
Volvo 8500 Low-Entry Bogie



14.5 m, rear-mounted 12-litre engine.

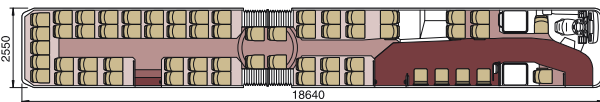
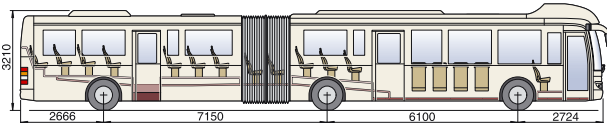


Volvo 8500 Articulated Bus



18.0 m, mid-mounted 12-litre engine.

Volvo 8500 Low-Entry Articulated Bus



18.6 m, side-mounted 9-litre engine.

Want to find out more?

Call your Volvo contact or visit www.volvobuses.com. Welcome aboard!

MORE FLEXIBLE THAN EVER BEFORE

The Volvo 8500 is now available in more variants than ever before. From high-capacity buses for city operations to comfortable intercity coaches. What they all have in common is our lightweight, corrosion-resistant aluminium body concept. What is more, you can count on even higher operating reliability, first-class total economy and good environmental properties. The latest generation of the Volvo 8500 is not only certified for Euro 4, it is also available in a version to meet the forthcoming Euro 5 emission levels (incentive). We have in addition taken important new steps in the areas of driving properties and safety, for example by fitting ESP (Electronic Stability Program) on several model variants. In this section you will find a selection from our broad model range.





Audio system with intelligent control. The Volvo 8500 is available with Volvo Sound & Vision, a flexible audio system with excellent sound reproduction and intelligent control of various functions.



Stainless steel under the skin. The exhaust system and the SCR muffler are made of stainless steel. The Volvo 8500 with 12-litre engine also has a frame made of stainless steel.



Electronically controlled brakes with ESP. The latest generation of Volvo's electronic braking system makes driving both safer and more comfortable, you can now also specify ESP (Electronic Stability Program), which improves safety still further.

THE VOLVO 8500 IN A NUTSHELL

A quick overview is usually sufficient to generate interest. That is why we are presenting the most important details and properties immediately. If you want to find out more, just keep scrolling the pages.



Powerful headlights. Powerful headlights are an important safety detail.

Comfortable interior. The Volvo 8500 offers an airy, comfortable interior with a pleasant climate.

Large glass panels and rear-view mirrors. Large glass panels and three-section rear-view mirrors with integrated close-quarter mirrors provide good all-round visibility.

Low entry and boarding ramp. Boarding height at the front door of the Volvo 8500 Low-Entry is 320 mm and this can be lowered a further 70 mm with the kneeling function. The Volvo 8500 Low-Entry can be equipped with a wheelchair ramp.

Space for baby buggies. The centre aisle is broad and free from intrusions. Generous space beside the middle door provides plenty of space for baby buggies, for instance.





Aluminium body – System 2000. The body of the Volvo 8500 is made of a special aluminium alloy in Volvo's System 2000. Both the frame structure and the jointing method are unique. The concept results in a strong body, immense build precision and the possibility of flexible design.

Convenient and economical with Volvo I-Shift. The Volvo 8500 is available with a wide range of transmissions. If you choose our 12-litre engine, we would like to draw your attention to the new generation of Volvo I-Shift. Our intelligent gearchanging system combines the comfort of automatic transmission with the robustness and dependability of a manual gearbox. What is more, it contributes to particularly fuel-efficient operation. Volvo I-Shift is available in several variants optimised for different needs.

Logical instrumentation. The driver's environment is ergonomically designed with an instrument panel that gives the driver a commanding overview. The most important controls are grouped in satellite pods around the steering wheel that move with the steering wheel as it is adjusted for comfort.

New engines for Euro 4 and Euro 5. The Volvo 8500 is available with new engines certified according to Euro 4. The Volvo DH12 is available with 340 or 380 hp. The Volvo D9, which powers the low-entry articulated version, produces 360 hp. All the engine variants offer first-class driveability, excellent fuel economy and low emissions. The 340 hp 12-litre engine is also available in a version for operators who want to be able to reach forthcoming Euro 5 emissions levels (incentive) already today.

Spacious luggage compartment. The luggage compartments measure up to 8 m³ in volume, depending on model variant. Large luggage racks provide plenty of space for luggage inside the bus.



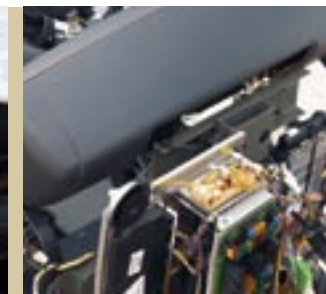
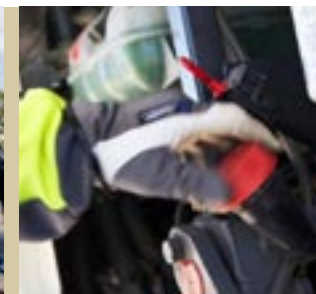
Front suspension to suit different needs. A wide range of conventional front axles and independent front suspension systems means there is always an optimum solution for your particular needs. Electronically controlled air suspension with a kneeling function is fitted as standard on the Volvo 8500.

Well-positioned brake lights. The brake lights are positioned so they are clearly visible to vehicles behind the bus.

Doors. The Volvo 8500 is available with several alternative door configurations.

Simple service. All the components are grouped for convenient service. The oil-change intervals can be as long as 60,000 km. The service interval for the rear axle is 400,000 km and the prop-shaft universal joints are lubrication-free.

Higher reliability with new electronics. The latest generation of our electronic system gives you benefits such as higher reliability and simpler diagnostics. What is more, it lays the foundation for many of the new electronically controlled on-board functions such as our new braking system and Volvo Sound & Vision.



COME ON IN. SIT YOURSELF DOWN. AND RELAX.

The design of the passenger environment naturally differs depending on the type of work for which the bus is intended. However, irrespective of whether you drive short distances or long hauls, your passengers should always ride comfortably, securely and safely. Which they do in a Volvo 8500.

Spacious and comfortable seats, large tinted windows, a low interior noise level and a comfortable climate are some of the most important properties of the Volvo 8500.

Powerful ventilation system

The Volvo 8500 is equipped with a powerful ventilation system and individually adjustable air ducts for each seat. The climate system is available in three different configurations. The most advanced version is an electronically controlled system with heating and air conditioning that automatically keeps the inside temperature at a pleasant level.

Intelligent audio system

The Volvo 8500 is available with Volvo Sound & Vision, a flexible and high-quality audio system with extremely good sound reproduction and intelligent control of various functions. For example, the volume can be automatically lowered when the doors open and the driver's microphone output can be directed separately to inside and outside loudspeakers.

Stable on the road

A rigid frame structure and effective suspension are features that work quietly to give your passengers a comfortable trip.

Quick entry and exit with the Low-Entry

If you prioritise fast passenger movement on board and convenient entry and exit for physically disabled passengers or those with baby buggies, the Volvo 8500 Low-Entry is

the right choice. Entry height at the front is 320 mm with 275/70 tyres, and this can be lowered a further 70 mm with the kneeling function. In order to provide a smooth transfer between the front and rear floor levels, the floor inclines gently towards the rear.

High capacity with articulated version

The articulated version of the Volvo 8500 can carry up to 150 passengers.

Plenty of space for luggage

There is plenty of space for luggage in the Volvo 8500, both in the luggage compartments and inside the bus. The luggage compartments measure up to 8 m³ depending on the bus variant.

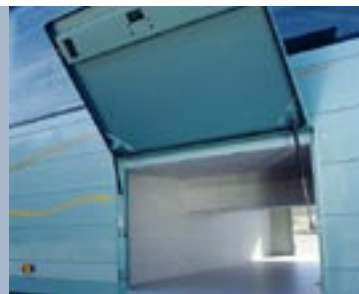
Safety

The Volvo 8500 is a Volvo in every single detail. This means that passenger safety and security are the paramount concern. First and foremost by giving the driver the best possible facilities for handling the bus in a safe way, for example with the help of the new generation of electronically controlled brakes, but also through a number of other solutions. The body has been designed to meet the R-66 norm and it is also reinforced at the front and along the sides. All the seats are available with either a two-point or a three-point seatbelt and with the option of a child booster cushion.

Large luggage racks inside the bus and a luggage compartment of up to 8 m³ mean there is plenty of space for luggage.

A low boarding height makes things particularly easy for passengers with baby buggies or those with physical disabilities.

A powerful climate system maintains a pleasant temperature on board.





The Volvo 8500 offers a spacious, comfortable interior and a pleasant climate. There is a wide range of interior trim alternatives, seat layouts, seats and other comfort- and safety-enhancing options.

The articulated version can carry up to 150 passengers.



INJURY-PREVENTION SAFETY

- Body tested for roll-over performance (R66).
- Reinforcements in the front and along the sides.
- Two-point or three-point seatbelts for all seats.
- Booster cushions for children.
- Injury-reducing interior with soft padding free from protruding parts.
- Photocell-controlled door opening and closing function and a touch-sensitive door edge for safe boarding and disembarking.
- Smoke detector and automatic fire-extinguishing system.

A DRIVER'S ENVIRONMENT THAT PUTS YOU IN FULL CONTROL. AND A POWERTRAIN THAT GIVES YOU SO MUCH MORE.

The ergonomically designed driver's environment in the Volvo 8500 was created to give you maximum control over your bus and a perfect overview of surrounding traffic. What is more, you can look forward to an unusually pleasant driving experience.

A comfortable driver's seat and well-placed controls are standard in all Volvo buses. But the Volvo 8500 has even more to offer.

Instrument panel with satellite pods

For example, we have introduced an entirely new instrument panel with large and clear instruments, a convenient display for driver information and logically grouped controls in satellite pods beside the steering wheel. These pods move

together with the steering wheel to ensure a perfect, individually tailored seating position. The driver's seat too can be adjusted exactly to suit individual wishes and it is available with a three-point seatbelt.

Correct working temperature and noise level

To ensure that you always have the right working temperature, the climate around the driver can be regulated separately. Effective insulation keeps out disruptive noise.

In the Volvo 8500, the driver has a comfortable and ergonomically designed workplace.





An entirely new instrument panel with large and clear instruments, a convenient display for driver information and logically grouped controls beside the steering wheel.



A number of functions such as topping up and checking of engine oil, hydraulic fluid and coolant are grouped together to make daily service that much easier.



Three-section rear-view mirrors with integrated close-quarter mirrors provide excellent all-round visibility.



The driver's seat has an integrated three-point seatbelt.

Perfect visibility

Large glass panels and rear-view mirrors provide good visibility all around. You can also specify a reversing camera which gives you a commanding view of the area behind the bus.

World-class driveability

When it is time to press the accelerator, the engine responds immediately. Our 12-litre engine is available with a choice of two outputs, 340 and 380 hp. It has high torque which stretches across the entire rev band, which in turn means you get swift response even at low revs. If you specify our Volvo I-Shift automatic gearchanging system, you get exceptional driveability. Volvo I-Shift changes gear smoothly, comfortably and precisely. And it contributes to low fuel consumption.

Easy to manoeuvre and very stable

The Volvo 8500 is easy to drive and behaves reassuringly on the road. Effective power steering and a small turning circle mean it offers excellent manoeuvrability. And thanks to its good weight distribution, stiff frame structure, electronically controlled air suspension and well-matched front suspension, you get high comfort and good road feel.

Electronically controlled brakes with ESP

The Volvo 8500 is equipped with the latest generation of electronically controlled disc brakes (EBS – Electronic Brake System). They offer excellent braking performance and fast, gentle and controlled braking. As a supplement, you can add

our electronic stability program (ESP), which considerably reduces the risk of the bus rolling over or driving off the road, for instance when the road is icy or in sharp curves. The system also has a number of additional functions such as Hill Start Aid, which prevents the bus from rolling back when starting on an uphill gradient. There is also Brake Blending, which ensures that the wheel brakes and auxiliary brakes interact optimally. Differential lock activation at low speeds, continuous control of brake pad condition and monitoring of brake disc temperature are other supplementary functions.

Meets Euro 4. Ready for Euro 5 (incentive)

Volvo's new engine generation has been developed from the outset to produce extremely low emissions of particulates. In order to reduce emissions of nitrogen oxides to very low levels as well, the Volvo 8500 is equipped with a system for after-treatment of exhaust gases known as SCR (Selective Catalytic Reduction). In this system, a mixture of urea and water called AdBlue is sprayed into the hot exhaust gases. As this AdBlue-exhaust gas mixture passes through the catalytic converter, a chemical reaction takes place that converts the nitrogen oxides into harmless nitrogen gas and water vapour. The technology is both simple and reliable and makes it possible to meet both current and forthcoming emissions requirements. The Volvo 8500 is certified for Euro 4 and is also available in an incentive version for Euro 5 (340 hp).

A separate climate unit for the driver keeps the ambient working temperature at the appropriate level.

Volvo's automatic gearchanging system, Volvo I-Shift, provides excellent driveability and also saves fuel.

AdBlue is stored in a separate tank beside the fuel tank.



ACCIDENT-PREVENTION SAFETY

- Three-section rear-view mirrors.
- Cameras at disembarking doors.
- Reversing camera.
- Large glass panels.
- Powerful headlights.
- Electronically controlled disc brakes.
- Auxiliary brakes and Brake Blending.
- Relaxing driver's environment.
- Automatic gearchanging system, Volvo I-Shift.
- Well-positioned brake light.

MAKE THE BEST OF YOUR BUSINESS

If you choose a Volvo 8500, you have all you need for getting the best out of your operations, because you also get one of Europe's most widespread networks of service workshops, an efficient parts supply system, round-the-clock assistance, financing, driver training and much more. Volvo Buses is one of the world's biggest suppliers of large buses and the company is part of the Volvo Group. That's something that brings you added benefits.





Volvo's service network in Europe encompasses almost 1000 dealers and workshops.



Volvo Buses offers features such as financing facilities and service contracts.



Volvo Action Service offers assistance 24 hours a day.



Volvo's system for transport information and transport management offers you new scope for efficient operations.

Genuine Volvo Parts give you maximum uptime and security

With Genuine Volvo Parts and the Volvo Exchange System, you can ensure that your bus maintains its original properties throughout its lifetime. This is the best guarantee for high operating reliability and road safety. Of course, this all presupposes that the right parts are available at the right time. Through Volvo's efficient parts supply system, you have access to the full range of Genuine Volvo Parts whenever the need arises.

A workshop network to count on

Volvo's service network in Europe encompasses almost 1000 dealers and workshops. A number of them are Volvo Bus Service Centers, which in addition to regular service and repair operations also handle collision repairs and training.

Volvo Action Service

Our emergency assistance service is ready to help you with just about anything 24 hours a day, 365 days a year. Volvo Action Service is never more than a phone call away wherever in Europe you happen to be.

Accessories

In the Volvo Buses accessories catalogue, you can find accessories and equipment tailored to suit your bus. The catalogue can be accessed at www.volvobuses.com/downloadcenter.

Financing and service agreements

Buy or lease? Handle your maintenance needs yourself or let Volvo take care of them? No matter what your needs and wishes, we can help you tailor a customised solution for your particular operation. Your local Volvo contact will be happy to tell you more.

Transport information and transport management

Volvo's transport information and transport management systems give you new scope for running an even more efficient and more profitable operation. We provide a number of different systems adapted to the demands of different types of operation eg. Dynafleet Online and ITS4mobility. Read more on www.volvobuses.com/downloadcenter.

From advice to training

The more familiar you are with your bus, the more efficiently you can utilise it. Volvo Buses offers facilities such as comprehensive product information, technical advice, service literature, driver training and much more.

In addition to regular service and repair operations, a Volvo Bus Service Centre also takes care of collision repairs and training.



Through Volvo's efficient parts supply system, you have access to a full range of Genuine Volvo parts.



Accessories tailored to suit your bus.



VOLVO 8500 RANGE facts

Driver's compartment

The driver's environment is spacious, effectively sound-insulated, ergonomically designed and features easy to view instruments with an adjustable steering wheel and controls.

Structure

The aluminium body helps 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 DH12 rated at 340 hp (1700 Nm), 380 hp (1850 Nm). Volvo 8500 Low-Entry only with 340 hp. Volvo D9 with 360 hp (1600 Nm). Only for Volvo 8500 Low-Entry Articulated.

All engine variants are certified according to Euro 4. The Volvo DH12 with 340 hp is also available in a version that meets the emission levels that will be demanded according to Euro 5 (incentive).

Transmissions

The Volvo D9 comes with ZF 6HP602 automatic transmission.

The Volvo DH12 can be combined with 12-speed Volvo I-Shift or automatic transmission.

Rear axle

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

Suspension

Volvo 8500: Independent front suspension or conventional front axle.

Volvo 8500 Low-Entry: Independent front suspension or conventional front axle*.

Electronically controlled air suspension with kneeling function available on all variants.

* introduced in 2006.

Brakes

Volvo electronically controlled disc brakes (ESP option). Volvo Engine Brake (DH12). Volvo compact retarder. Brake Blending function. Automatic transmissions feature an integrated retarder.

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 18-28 tonnes depending on model variant.

Luggage volume

Up to 8 m³ depending on specification.

Dimensions (see also page 3)

Volvo 8500: Height 3.3 m. Length 12.0-18.0 m. Width 2.55 m.

Volvo 8500: Low-Entry. Height 3.2 m. Length 12.0-14.5 m. Width 2.55 m.

Volvo 8500 Low-Entry Articulated: Height 3.4 m. Length 18.6 m. Width 2.55 m.



VOLVO

Volvo Bus Corporation

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www.volvobuses.com