

V O L V O

The all-new

VOLVO B13R RANGE



Volvo Buses. Driving quality of life

YOUR PRODUCTIVITY PLATFORM

The all-new Volvo B13R is truly a game-changer.

A powerful new engine offers fuel savings of up to 9%, making a substantial reduction of operating costs. A smooth and steady chassis with a new driver's station makes every mile an amazing experience.



Building a premium coach

Ready for any challenge

When we developed the all-new Volvo B13R coach platform, we looked at the toughest operational challenges. Demanding climate, long and hilly routes and varying road conditions with firm focus on comfort, safety and productivity.

Driver and passenger comfort

With the all-new Volvo B13R, your passengers and drivers will appreciate an utterly pleasant and comfortable ride. Predictable and consistent road behaviour make for safer progress, and the entire chassis is perfectly balanced between stability and comfort.

Fuel saving and biofuel

The new 13-litre engine and driveline feature several fuel saving Volvo technologies, all together helping to reduce fuel consumption with up to 9% compared with the

previous engine. A new engine compartment layout with a unique cooling system operated by electrical fans and optimised rear axle ratio permitting driving on lower revs are two examples. The engine is available in four power levels, from 380 to 500 hp. For improved environmental performance, all of them can run on HVO, and the 460 and 500 hp versions can also run on biofuel.

Productivity on a higher level

The all-new Volvo B13R also comes in a low-entry version, ideal for creating a premium double decker. The powerful and highly fuel-efficient driveline provides steady and comfortable progress. Up to 15 metres in length and a maximum gross vehicle weight of 26,500 kg give room for excellent passenger and luggage capacity.

The all-new Volvo B13R is the perfect platform for a premium coach. A strong, rigid framework on which it is easy to build a stable, weight-efficient body structure. All service points are located for simple and swift maintenance.





A powerful driver experience

Driving the all-new Volvo B13R is a sensational experience. Behind the wheel, you get that special feeling of absolute control. With the new 500 hp engine and updated I-Shift transmission with even faster gear shifting, you have instant access to all the power you need already at low revs.

First-class driving environment

Volvo coaches are known for their outstanding driver experiences. The all-new Volvo B13R comes with several new features that boost comfort and safety behind the wheel. The new steering wheel with buttons for various media is available with a neck-tilt to facilitate entrance and exit. A new dynamic instrument cluster with different views provides a superior overview of important driver information, enhancing driver focus and control.

Stability and control

The new chassis features a new, lighter and more steady suspension. It increases stability in all driving situations, and together with a short turning radius, enhances manoeuvrability and driver control.

Volvo Dynamic Steering

A technology that improves steering responsiveness and precision. It's reducing the strain on the driver's shoulders, neck and arms and simultaneously adds stability and ride comfort for your passengers.

Driver alert system

Safety starts with the driver. The Driver Alert System senses if you are distracted or drowsy and signals that it's time for a break.

Save up to 9% fuel

The all-new Volvo D13K driveline

Volvo's 13-litre engine is one of the most trusted power sources in the world of heavy-duty vehicles. It is now part of our coach range in its Euro 6 version, with a set of outstanding capabilities: a new level of fuel efficiency, solid power and torque resources and extended service intervals. In addition, it is certified for HVO and Biodiesel, which further contributes to reduced emissions.

New unique cooling system

The Volvo B13R features a new unique cooling system. There are dual radiators on opposite sides of the engine installation, served by energy efficient electrical fans. This allows us to control and regulate a low and uniform temperature in the engine compartment in all climates. From the cold of the Arctic to the heat of Mexico or Australia.

Optimised rear axle reduction

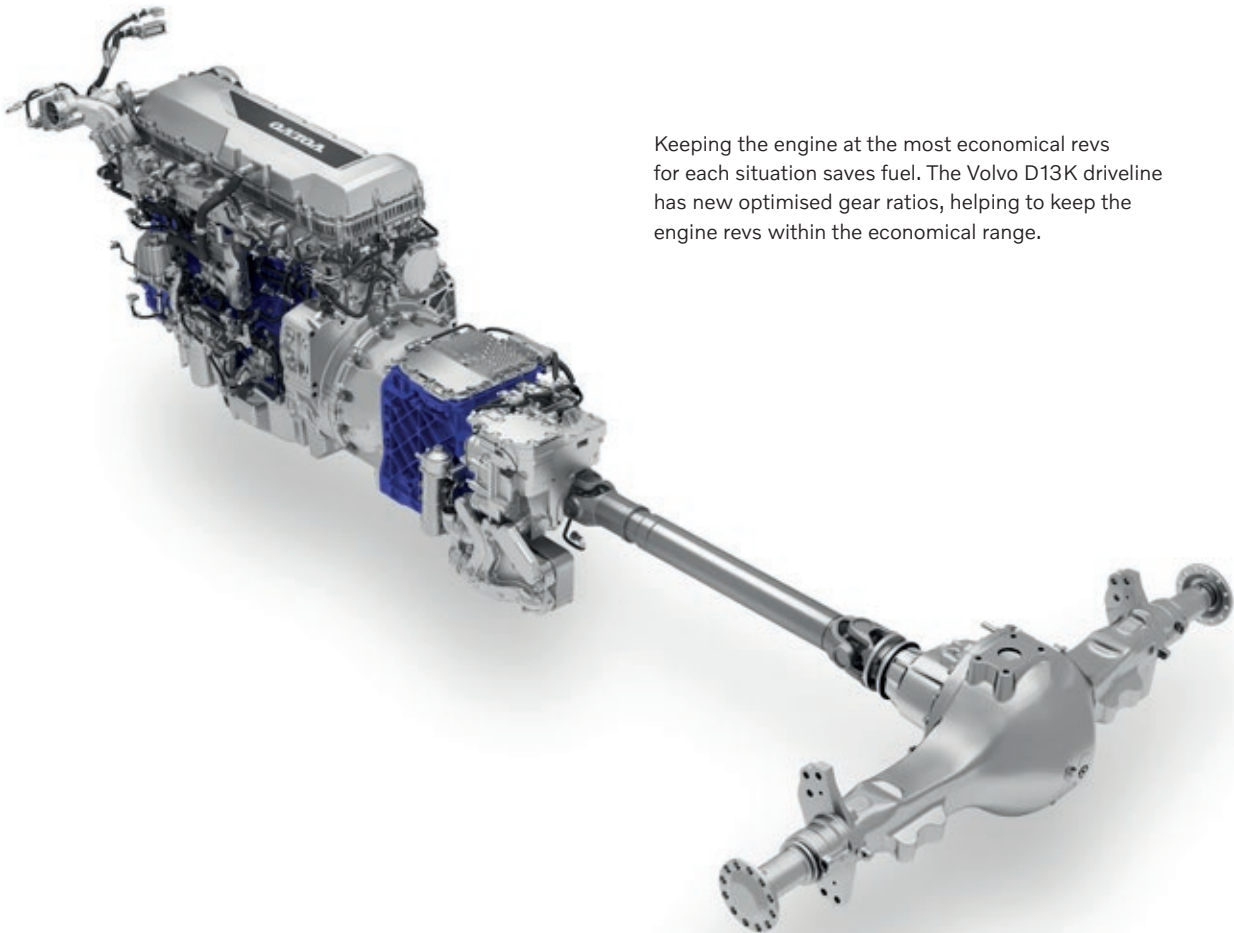
Keeping the engine at the most economical revs for each situation saves fuel. The Volvo B13R offers a rear axle with optimised gear ratios, generally lowering the engine revs and staying within the economical range.

New generation I-Shift

The Volvo B13R comes with the new G-version of Volvo's legendary I-Shift transmission. Faster gear changes, lower internal friction and software optimised for tour and charter contribute to the fuel savings.

ISO Flow

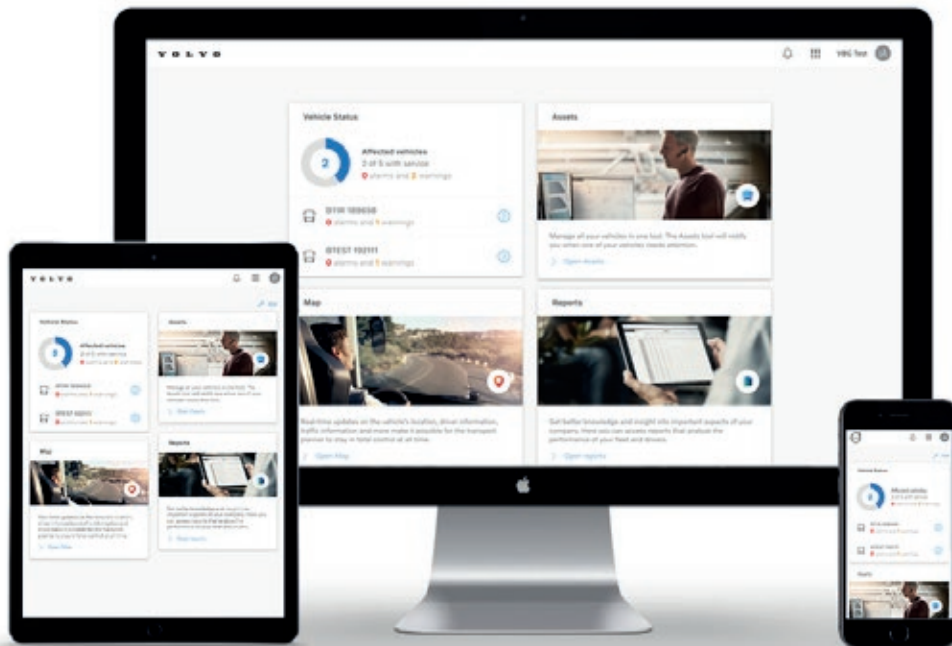
ISO Flow is an extension of the fuel management system. By restricting the amount of injected fuel at higher revs, fuel is saved when accelerating, yet without losing torque at lower revs.



Keeping the engine at the most economical revs for each situation saves fuel. The Volvo D13K driveline has new optimised gear ratios, helping to keep the engine revs within the economical range.

Connect to productivity

Uptime is number one. With Volvo's range of connected services and extensive network for service and parts logistics, your vehicles will spend more time on the road. And with our service contracts your maintenance can be optimized for each individual coach.



Volvo Connect

With Volvo Connect you can save fuel, increase efficiency, secure uptime, boost safety and grow profitability. Volvo Connect is your fleet management system and entrance to the world of Volvo Bus Services. Reports, vehicle management, positioning and driving profile will help you improve on productivity. Volvo Connect also includes our unique geofencing service Zone Management and a line-up of workshop services.

Longer service intervals

With the new 13-litre engine the service intervals are extended, mainly thanks to the electrical fans and a unique cooling system. The temperature is kept low and uniform temperature in all conditions, and the engine runs under optimised conditions.

Service contracts

Your coach's uptime is the key to profitability. And with our uptime services and service contracts your coaches will have the proper maintenance and repair at the right time – without disrupting your business.

Make sure it's Volvo inside

Volvo is a world-leading company in heavy commercial vehicles. All the chassis and driveline components in our vehicles are developed, designed and manufactured by Volvo, which means we take full responsibility for function and quality. That's also why we partner up with the best bodybuilders, safeguarding the premium qualities of our vehicles.

Dimensions and weights			
Model	4x2	6x2	6x2 Low Entry
Overall chassis length approx. (m)	10.4–13.7	10.4–13.7	11.4
Transport wheelbase (m)	4.0	4.0	4.0
Frame height at rear structure (m)	1.6–1.8	1.6–1.8	1.6
Overall width (m)	2.4	2.4	2.4
Permitted GVW (kg)	19,500	24,750/26,500	26,500

Powertrain			
Engine	Volvo D13K Euro 6, SCR, Common rail		
Output (hp)	380–500	380–500	380–500
Torque (Nm)	1800–2500	1800–2500	1800–2500
Transmission	Volvo I-Shift AT2612, ZF 6AP2020B (only 380 hp)		

Axles, suspension and steering			
Front axle	Volvo RFS/IFS	Volvo RFS/IFS	Volvo RFS-L
Rear axle	Volvo RS1228C/RS1328	Volvo RS1228C/RS1328	Volvo RS1228C/RS1328
Power steering	Hydraulic power steering	Hydraulic power steering	Hydraulic steering
Steering wheel position	LHD/RHD	LHD/RHD	LHD/RHD
Tyres	295/80 R22.5" 315/80 R22.5"	295/80 R22.5" 315/80 R22.5"	275/70 R22.5" 295/80 R22.5"
Rims	Steel or aluminium rims available	Steel or aluminium rims available	Steel or aluminium rims available

Tanks			
Diesel (L)	3×150, 480, 600, 720	3×150, 480, 600, 720	–
AdBlue (L)	64 or 90	64 or 90	64 or 90
Transport (L)	50	50	50

Brakes			
Volvo Electronic Braking System (EBS) with integrated Anti-lock Braking System (ABS), Brake Blending, Hill Start Aid, Brake Assist. Volvo Electronic Stability Program (ESP) and built-in hydraulic retarder available as standard. Collision Warning with Emergency Brake.			

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

Driver's environment			
Steering wheel with buttons for cruise control and different media is available with a neck-tilt to facilitate entrance and exit. A dynamic instrument cluster with different views provide superior overview of important driver information.			

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Equipment that is shown or mentioned in the folder may be optional or available as an accessory and may vary from one country to another. We retain the right to alter product specifications without prior notification.