



Volvo Trucks. Driving Progress

VOLVO FH

PRODUCT GUIDE - EURO 5





The truck of the future is now even more capable.

They say you shouldn't change a winning concept. Yet that's what we do all the time. We keep on introducing new features that add to the driving comfort, fuel efficiency and safety, and make the truck even more useful for many more applications and transport assignments.

Experience Volvo Dynamic Steering, the biggest invention since power steering. Read about the new rear air suspension for the gravel pit, the new integrated system for services and infotainment, and the brand new I-Shift with crawler gears. Taking productivity and driving comfort to new heights. Welcome to the future.

OVERVIEW

A closer look at the Volvo FH.



40

DRIVER SUPPORT SYSTEMS

The forefront of safety is Volvo's home ground. Our advanced driver support systems efficiently helps the driver avoid accidents. [Learn more on page 40.](#)

20

DRIVER INTERFACE

The instrument cluster and the new touch display offers an industry leading drive interface. [Learn more on page 20.](#)

30

REAR-VIEW MIRRORS

The aerodynamic mirrors and the upright A-pillars provide visibility you've never seen before. [Learn more on page 30.](#)

22

VOLVO DIESEL ENGINES

Fuel-efficient and torque-strong 13-litre engines, up to 540 hp. Pick the perfect choice for your assignments. [Learn more on page 22.](#)

36

HEADLIGHTS

Dynamic headlights, static cornering lights, improved main beams and more. [Learn more on page 36.](#)

38

LOAD HANDLING

ECS4 is the latest version of Volvo's electrical suspension system. The biggest news? A wireless remote. [Learn more on page 38.](#)

18

HANDLING

We've designed every part of the truck to contribute to stable and precise handling. [Learn more on page 18.](#)

6

VOLVO DYNAMIC STEERING

The biggest invention since power steering lets you enjoy effortless manoeuvring with extreme precision. [Learn more on page 6.](#)

8

I-SHIFT

Easy to drive and packed with fuel-saving software. Now available in a new version: with crawler gears for heavier assignments than ever before. [Learn more on pages 8-11.](#)

28

BODYBUILDING INTERFACE

The shorter time at the body-builder, the more time and money there is to save. There are a lot of clever chassis features to help you. [Learn more on page 28.](#)

14

CAB INTERIOR

The cabs are more spacious than ever and contain lots of features. [Learn more on pages 14-17.](#)

34

UPTIME

The Telematics Gateway puts Volvo FH in touch with the workshop from anywhere. [Learn more on page 34.](#)

44

ACCESSORIES

Tailor your truck for your assignments and your needs – and make it more efficient for the work you do. [Learn more on page 44.](#)

24



PERFORMANCE & FUEL

We've developed a unique powertrain that delivers enhanced performance. And improved fuel efficiency. [Learn more on page 24.](#)

26

REAR AIR SUSPENSION

Experience the air-suspended rear-wheel installation. One could say it's an earth-quaking development. [Learn more on page 26.](#)

32

THE FUEL DEAL

Two bundles of real fuel savers for long haul, with product features as well as services. Save fuel, for the benefit of your bottom line and the environment. [Learn more on page 32.](#)

VIEW SOME OF THE SPECS ON PAGES 42-43

VOLVO DYNAMIC STEERING

Responding to your slightest command.

And nothing else.

What has been called the biggest thing since power steering is now available in a series-production truck. Volvo Dynamic Steering is based on a patented concept, and will completely change the way you drive. Try it, and you'll never want to go back to a regular truck. Even your car will pale in comparison.



How it works.

Volvo Dynamic Steering consists of an electric motor, connected to the steering gear. By receiving input from several sensors, the ECU (Electrical Control Unit) can determine where the truck is going as well as what the driver's intentions are.

The motor is controlled 2000 times every second, using a principle called "torque overlay", to correct unintentional steering movements and to provide extra torque when needed. Altogether creating a perfect and consistent steering feel, regardless of load and tyres.



EFFORTLESS
Volvo Dynamic Steering decreases the steering effort by up to 85%.



At high speeds: Let nothing set you off course.

Driving straight isn't as easy as one would think. In fact, you often have to compensate for kicks from road ruts, pot holes and road markings. Or correct your course after braking on a mixed-friction surface. Yes, sometimes even side winds can disturb your ride.

Volvo Dynamic Steering changes this completely. Just loosen your grip on the wheel, concentrate on the traffic and be sure the truck won't change direction until you want it to.



At low speeds: Steer with one finger and save your back.

This is where Volvo Dynamic Steering really will change your day. And your future. Because you no longer need to strain your muscles to manoeuvre the truck at low speeds. Volvo Dynamic Steering provides you with all the steering force you need. You can literally steer the truck with one finger. This not only gives you complete control of the vehicle but also practically eliminates the strain on your neck and shoulders.

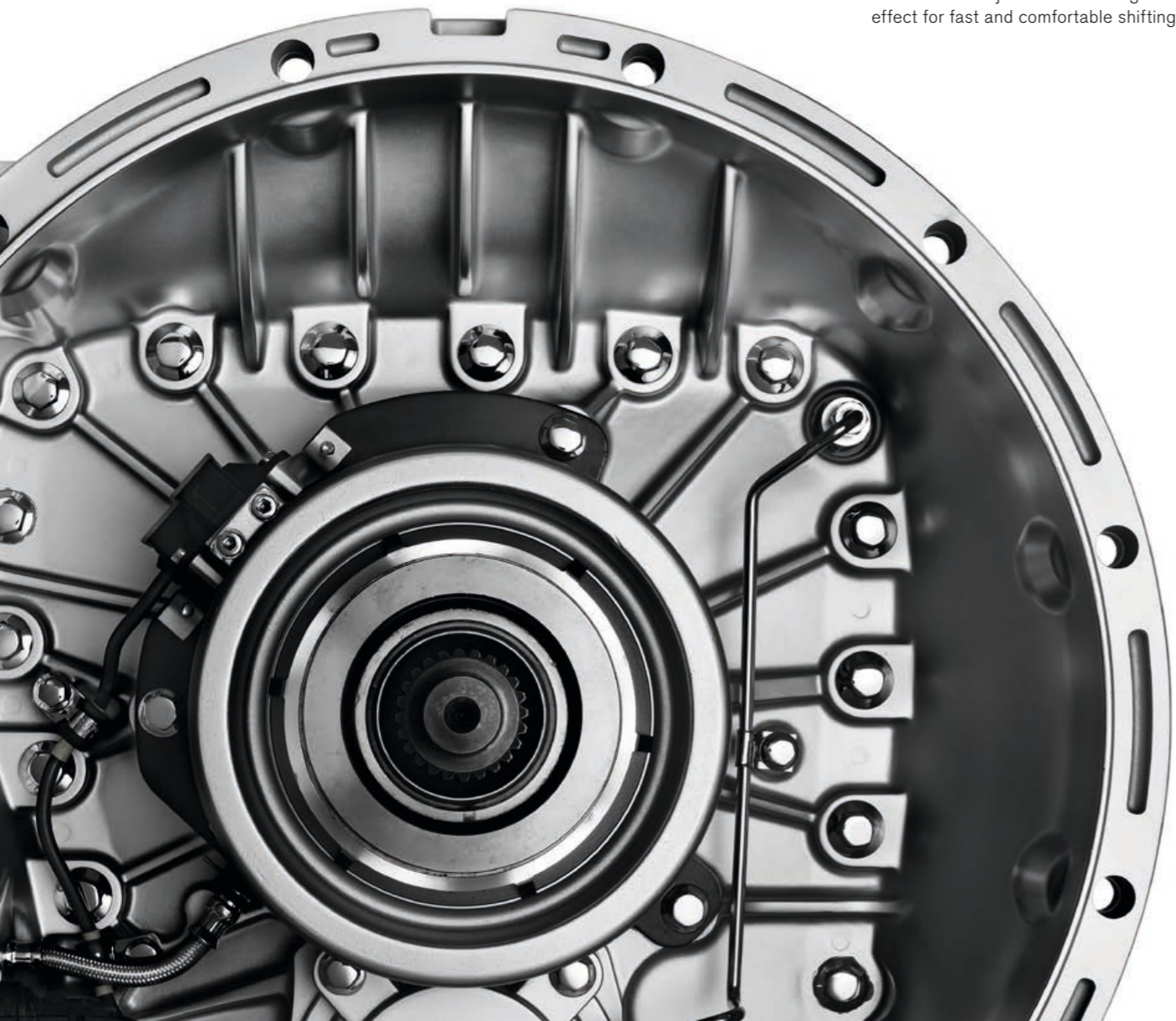


When reversing: Perfect control without strain.

Reversing with a fully laden truck is one of the most challenging and trying aspects of the job. Especially where you need to focus every bit of your attention on the surroundings. Not so with Volvo Dynamic Steering. You now reverse with perfect precision – almost without effort. And as soon as you let go of the wheel, it automatically returns to neutral, reducing the strain even further.

Furthermore, if you need to reverse long distances, here's something unique. The course stability is so great that you can reverse a truck and trailer more than a hundred metres without drifting off course.

Forget the gearbox. Just drive.



How it works.

It may seem strange. Beneath the surface of I-Shift, the archetype of modern transmissions, hides an old-school unsynchronised manual gearbox. (Hence the compact design and low internal losses.) But of course there's much more to I-Shift than that. The secret lies in the intelligent electronic control unit. It's responsible for controlling the pneumatic system that handles the clutch and shifts. By constantly receiving information about vehicle speed, acceleration, weight, road grade, torque demand and more, it can carry out every shift with extreme precision. It also communicates closely with the engine, which in turn adjusts revs and engine brake effect for fast and comfortable shifting.



Eases your mind. And lets your left foot rest.

Driving I-Shift is a real pleasure. Without the clutch pedal, you can safely sit back and concentrate on the other two. I-Shift uses its built-in intelligence to quickly and automatically choose the right gear at all times. And the software provides shifting skills that are impossible for even the best of drivers to match. Still, if you want to get more involved, you can. The buttons on the shift selector allows you to step in and shift gear manually.



An unexpected option. I-Shift without gearstick.

If you're used to driving with I-Shift, you've probably noticed that you don't actually use the shift selector that much. That's why the Volvo FH offers you the option of getting rid of it altogether and have it replaced with four switches on the dashboard (still within easy reach, of course). Freeing that precious space makes it a little bit easier to move around in the cab.



Let I-Shift save you fuel. The money will roll right in.

I-Shift is designed to save fuel. First of all, the internal energy losses are low – actually lower than on manual gearboxes. But it's the electronics that really make the difference. When driving in Economy mode, every gearchange is timed precisely, to let the engine work at its most efficient rpm range. And then there's I-Roll. It's a unique feature used when driving downhill, automatically disengaging the engine to make use of the truck's momentum instead of fuel. The result? Lower Fuel Consumption.

How would you like your I-Shift?

The software makes it possible to tailor I-Shift to your driving conditions. Choose from four add-on packages: Long Haul for efficient highway driving, Distribution with smart functions for close-quarter manoeuvring, Construction that handles tougher road conditions, and Heavy Duty Transport optimising I-Shift for gross combination weights above 85 tonnes.



When things get really tough the I-Shift for heavy duty makes it easier.

If you're into heavy assignments in very hilly terrain you can count yourself lucky. Now there's an I-Shift for you, too, perfectly suited to your specific needs, offering you all the comfort and fuel economy of the I-Shift gearbox.

We've developed a clutch with a larger diameter on the damper mechanism, and new clutch and gear control software for high torque. The result is an I-Shift gearbox perfectly adapted for timber and construction assignments as well as other heavy applications. And if this shouldn't be enough, you should check out the I-Shift with crawler gears. Learn more on [page 12](#).

I-SHIFT DUAL CLUTCH

Inspired by the motor racing scene.

We drew inspiration from the racing world and created a gearbox with features that no one has ever seen in the truck industry – the I-Shift Dual Clutch. With the dual clutch you will experience power shifting with no interruption in torque and power delivery. And still without jeopardising fuel consumption. When your transport assignments demand high performance and frequent gear changing, I-Shift Dual Clutch will bring you unrivalled driving comfort.



How you will benefit from I-Shift Dual Clutch.

Constant power flow, without torque interruption, and smooth, dynamic acceleration – these are the main advantages you will experience when driving with I-Shift Dual Clutch. It's called power shifting and that's why your ride will be even more comfortable and relaxed.

You will also notice the swift acceleration, making it easier to follow the traffic pace. I-Shift Dual Clutch is the perfect choice for demanding applications.

I-Shift Dual Clutch is available together with D13K engines with power levels 460, 500 and 540 hp.



Innovative, yet well proven.

Uphill on a slippery road surface? Not a problem. I-Shift Dual Clutch supports you with smooth and fast gear shifting, minimising the risk of getting stuck or losing grip.

Thanks to the innovative platform architecture I-Shift options, like retarder and PTO are possible to install on the I-Shift Dual Clutch.



How it works.

The two dry clutches are located at the front of the gearbox. In normal operation, one clutch is idling while the other is engaged. The clutches and gear shifting are controlled by a pneumatic system, similar to the well-known I-Shift.

Basically, the dual-clutch transmission can pre-select the next gear while driving in the current gear. When the gear is changed, the currently engaged clutch is released at the same time as the previously idling clutch is being engaged. This means that the gear shifting is made with no interruption in power delivery.

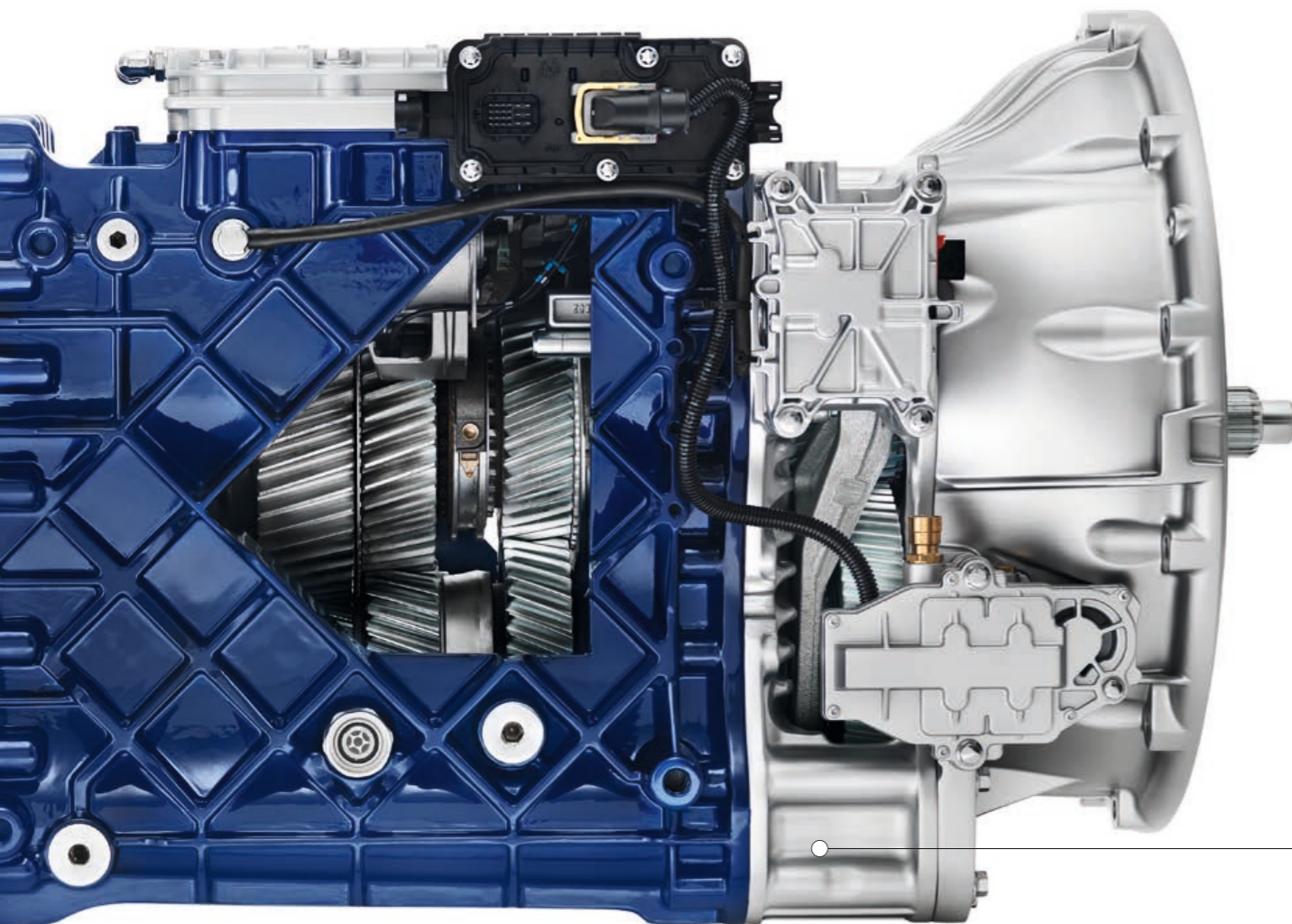
With two input shafts and the gear-wheels and selecting elements ingeniously arranged, two gears can be selected at the same time.



The fastest way to productivity?

Slow down.

I-Shift just got even more versatile and easy to drive. The automated gearbox is now available with the choice of one or two crawler gears, plus the additional option of extra reverse gears.



Start wherever you want.
If you transport heavy loads, you know that starting from a standstill can sometimes be difficult, especially in hilly terrain or poor road conditions. Ultimately, you may have to unload the cargo or even request towing, which has devastating effects on your uptime and productivity. Equip your FH with crawler gears and this will be a worry of the past. Your startability is dramatically improved, and the strain on the clutch is reduced by up to 75 percent, saving you from unnecessary repairs.



Crawl slow, run lean.
Can crawler gears really help boost your fuel economy? Sure. Because previously, you often had to be willing to sacrifice fuel economy for startability. But thanks to the crawler gears, we can now specify your truck with a faster rear axle ratio, allowing you to stay on cruising speed at much lower revs when you're driving on decent roads. This lowers your fuel consumption by up to a couple of percent.



Say yes to extreme conditions.
Crawler gears adds to the versatility of the truck, letting you use the same truck for a host of different driving conditions and assignments. Drive both on-road and off-road? Need to transport extreme loads up to 325 tonnes? Work at high altitudes? Special low-speed applications? No problem.

37:1

Perfect control in any direction.
Low-speed manoeuvring is one of the most challenging aspects of the job. Thanks to a transmission ratio of up to 32:1 (and up to 37:1 in reverse), the crawler gears let you drive slower than ever – half the speed compared to a regular I-Shift. You always have total control, making it easy to manoeuvre with high precision even in poor conditions.

SLIM GEARS
The crawler gear module only adds 120 mm to the length and 48 kg to the weight of I-Shift.

Globetrotter reinvented.

THE SKY IS THE LIMIT

PLENTY OF ROOM FOR STUFF

BACK-SAVING STEERING WHEEL ADJUSTMENT WITH NECK-TILT

MODERN AND ERGONOMIC DASHBOARD

PLENTY OF SPACE BETWEEN WHEEL AND BELLY

WIDE AND COMFORTABLE BED FOR SLEEP OR REST

MORE FEATURES OVERLEAF

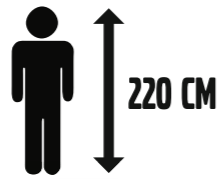
CAB INTERIOR

Packed with features. And space.



Everything at your fingertips.

Easy-to-use navigation and fleet management. Improved communication and increased safety. Enhanced quality audio entertainment. Volvo's integrated system for services and infotainment brings together everything you need on the 7-inch touch screen. Learn more on [page 20](#).



Full standing height.

Unless you're a professional basketball player, here's plenty of headroom. 220 cm in the largest cab, Globetrotter XL. It's not only practical, it also gives a spacious feel.



Modern and ergonomic dashboard.

The gently curved dash not only looks appealing. It's designed for an ergonomic and comfortable driving position with all buttons, instruments and storages within easy reach.



Prepared for a 19" TV.

Volvo FH can be factory-prepared for mounting a TV set – complete with brackets, antenna and outlets for power and TV signal, as well as an aux input, connecting the TV to the audio system.



Wide and comfortable bed for sleep or rest.

No need to sleep tight. The lower bunk is wide and offers first class comfort. There's even a really wide retractable bed. And the head part can be inclined up to 55°.



Advanced interior lighting.

13 energy-efficient and powerful light sources make for fantastic in-cab lighting. All are easily controlled in three preset steps or with the dimmer. When driving in the dark – switch to the red lights to preserve your night vision.



Plenty of room for stuff.

You can have everything in place. The spacious front, under-bunk, rear and exterior storages can be tailored to your needs, and are accompanied by plenty of convenient compartments for smaller items.



The sky is the limit.*

Adding to the spacious feeling, the tinted glass sky window is the finest emergency exit you'll ever see. It has sun blinds and mosquito net, and can be fitted with an electrically controlled hatch.



Stay in bed.

The advanced sleeper panel lets you control the interior lights, alarm clock, audio system, windows, roof hatch and locks. All without leaving the bunk.



Back-saving steering wheel adjustment with neck-tilt.

The fully adjustable steering wheel with a 20° neck-tilt function makes for comfortable driving. Folds away easily when you enter or exit the cab. Conveniently controlled by a foot pedal.



Night mode.

A standard safety feature that allows you to turn off all backlights in the instrument cluster, except for the speedometer. You won't be distracted by irrelevant lights. This makes it safer to drive at night – or to connect the trailer when visibility is poor. However, if a warning alert occurs, it will show up on the panel.



Plenty of space between wheel and belly.

Don't get stuck behind the wheel. The seat adjustment range is of world class – a whole 24 cm from front to back. That means drivers of all sizes sits comfortably.



ECC with air-quality sensors.

Electronic climate control with top-notch air vents and a multitude of sensors and filters, processing the air before it fills your lungs. The result is unprecedented air quality, improved defrosting and a draft-free environment.



Sound system.

The sound system includes everything you need to enhance your in-cab experience. Access to streaming media services such as Spotify, Deezer and Tuneln. DAB/DAB+ (Digital Audio Broadcasting) as option.



Electric parking brake.

The electrically controlled parking brake is handled with an easy-access dashboard switch. Automatically engages at key-off, and – with a little help from EBS – automatically releases when taking off.



All at your thumb tips.

Buttons for cruise control, audio, phone and what's in the information displays, allow you to keep a tight grip on the wheel.



Electronic remote key.

It's more than a key. Lock or unlock from a distance. Turn on the lights to approach the cab safely. And if you're feeling threatened, just push the panic button to blast the horn.

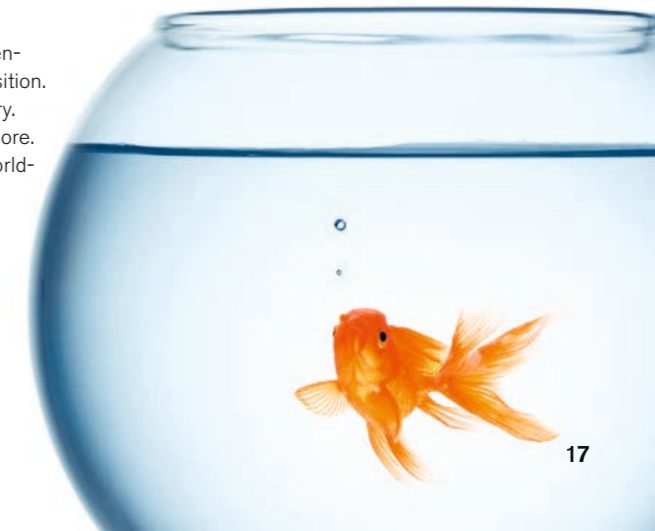


Sound system.

The sound system includes everything you need to enhance your in-cab experience. Access to streaming media services such as Spotify, Deezer and Tuneln. DAB/DAB+ (Digital Audio Broadcasting) as option.

A comfortable ride.

All the different options of cab suspension. The improved steering-gear position. The well designed front-end geometry. The smooth engine mounting. And more. We've taken many steps to create world-class comfort and driving pleasure.



HANDLING

Handles like no other truck.

Volvo FH has handling characteristics above the ordinary. We've virtually designed every part of the truck to contribute to the stable feel and precise steering. You really have to experience the result for yourself. But if you want to know why it performs so well, here's the quick-list:



The rear suspension stabiliser bar.

New Volvo-patented design with stabilisers in front of the axle eliminates rear-chassis torsion. This provides a very stable course and therefore a comfortable, safe and rapid ride. The re-designed stable bar also makes it possible to specify the truck with short rear overhang, great for construction applications.

The engine suspension.

Improved front mounting prevents vibrations from spreading through the truck, to provide an even more comfortable ride.

The front suspension.

Enhanced geometry on leaf suspensions. Here is one of the major reasons why the truck behaves very stable and safe on the road. Take a drive yourself and feel the comfort.

The rear cab suspension.

The cab must be softly sprung in order to be comfortable to ride in. But it must not lurch because this would result in gravity shifting of the vehicle, which would affect the handling characteristics adversely. We solved it with a sophisticated suspension. Vertical springs with increased spread promote stability and driving comfort.

Volvo Dynamic Steering

Fast and precise torque overlay by electronic motor and unique, patented concept. Resulting in improved directional stability, low shunting steering forces and suppression of road disturbances.



DRIVER INTERFACE

A world of infotainment at your fingertips.

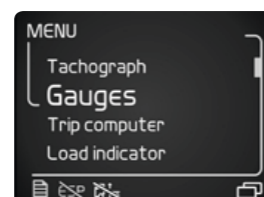
Easy navigation and improved communication. More efficient fleet management. Volvo Trucks' integrated system for services and infotainment brings it all together on an integrated touch screen – for a safer more comfortable driving experience.

It's easy-to-use and it can be operated directly on the screen, via voice command, and by steering wheel buttons. All the information is where you need it. In one place. Stay connected.



Information is central.

A quick glance at the centre of the speedometer is enough to get key information about gear, I-Shift mode, (adaptive) cruise control, auxiliary brakes and tachometer.



Driver Information Display.

Convenient 4-inch display showing a lot of additional information. Choose what you want to see, using the steering wheel buttons. The customised view allows you to select up to three favourites such as different gauges, driver alert support or load indicator. If an error should occur, the message tells you in clear text what's wrong. No risk of misunderstanding.



Secondary Information Display.

It gives you access to the integrated system for services and infotainment. Navigation, fleet management, communication, increased safety and quality audio entertainment – it's all there on a 7-inch touch screen. 📱

BUILT-IN GPS NAVIGATOR

The Volvo FH has a fully integrated navigator. It also integrates nicely with Dynafleet OnBoard, so you can receive exact GPS destinations from the office. 📱

DYNAFLEET ONBOARD

No separate display needed. All information from Volvo's transport management system is integrated in the SID-High. 📱

SOUND SYSTEM

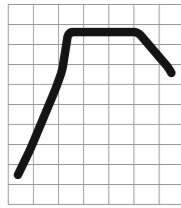
The sound system includes everything you need to enhance your in-cab experience. Access to streaming media services such as Spotify, Deezer and Tuneln. DAB/DAB+ as option. You can connect via USB, AUX or wireless via your smart phone. 📱

PHONE

Two phones can be connected via Bluetooth at the same time so you can browse your phone book, talk into the built-in microphone and listen through the speakers.



This is where fuel efficiency starts.



The Volvo torque curve. You'll feel it in the pedal.

Excellent torque at low revs. An extremely wide max torque range. Peak torque meets peak power. Volvo's leadership in diesel-engine technology is clearly visible once you start comparing engine curves. You'll experience fast acceleration, excellent pulling power, comfortable low-speed handling and, not least, a fuel-efficient and pleasurable ride at cruising speed.



Pick the best power rating.

The engine range for Volvo FH comprises three different power ratings that makes it easy to pick the one that suits your transport assignment.



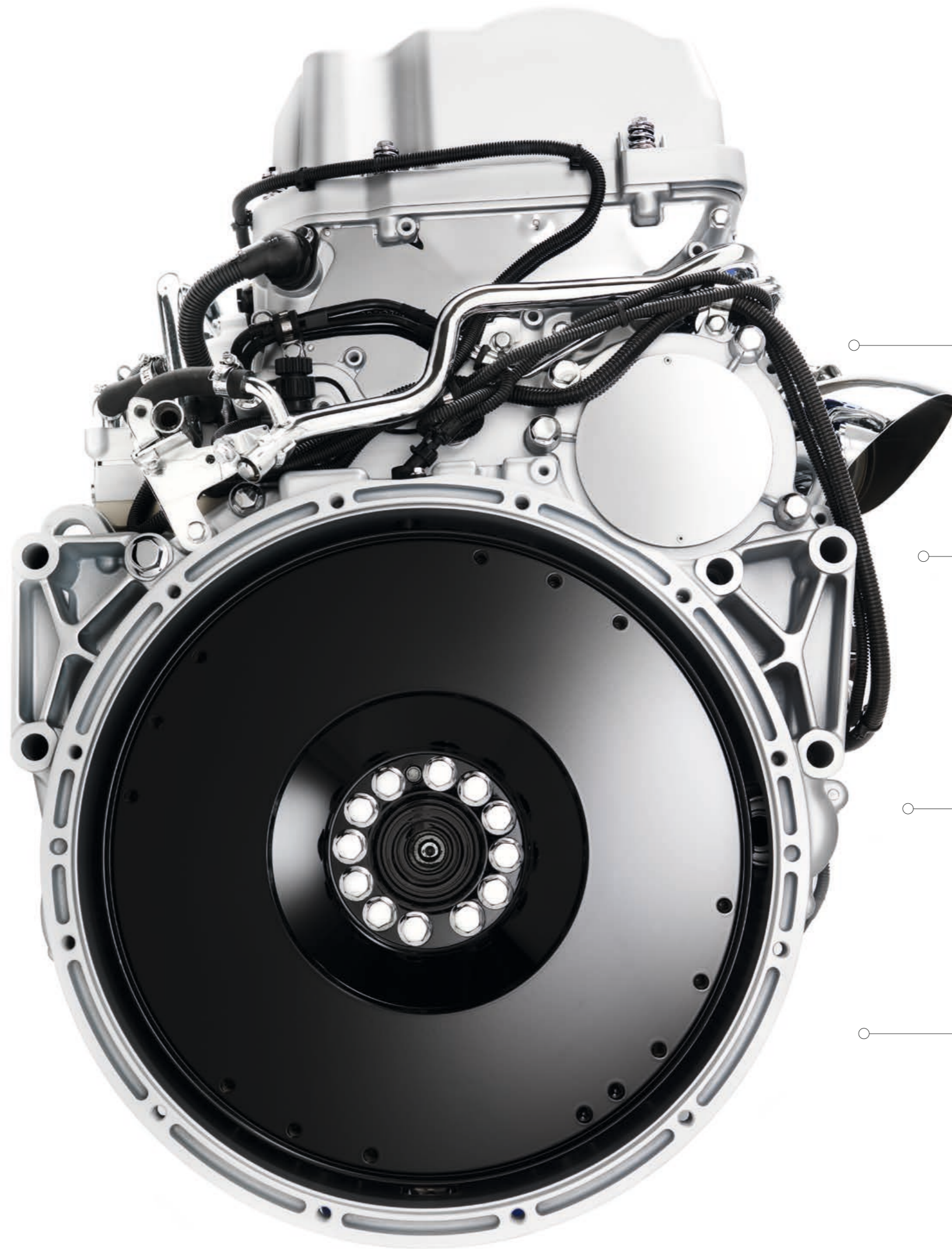
Fuel-efficiency built-in.

We could go on listing what makes Volvo engines hard to beat at fuel economy but let's focus on the features that take our engines steps ahead. The fast and precise EMS-controlled injection and the high gas-fill ratio for example. Your bottom line will reap the benefits. So will the environment.



VEB+. Up to 510 hp of braking power.

Minimise wear on the brake pedal. Volvo's patented engine brake absorbs up to an impressive 375 kW (510 hp) on the D13, thanks to the unique camshaft design with four rocker arms. Integrated with I-Shift and the cruise control, it lets you maintain a high average speed without compromising safety or fuel economy.



INLINE SIX

6 cylinders. 7 bearings to distribute the forces. Reliability never goes out of style.

EMS-CONTROLLED UNIT INJECTORS

Up to 2000 bar of injection pressure with perfect timing, thanks to the Engine Management System (EMS).

CLOSED CRANKCASE VENTILATION

Recycles the crankcase gases, for improved air quality around the vehicle.

REAR TIMING MECHANISM

A compact and weight-saving design, powering the air compressor along with the power steering, oil, and fuel feed pumps.

Maintain speed. Save fuel.

Maintaining speed while saving fuel. It's a tough balancing act. We understand your daily challenges of delivering on time while controlling your costs. That's why we've developed a unique powertrain that delivers enhanced performance. Improving fuel efficiency and reducing your environmental impact. Here are the top features that will support you.



The right ratio.

What do we mean by the correct ratio? Well, it's all about rear axles. These are the last link in an efficient chain, which delivers power from the engine to the truck's wheels. By equipping our rear axle with the right ratio for long haul, it works in perfect harmony with our D13 engine and I-Shift automated gearbox. The result? Low revs. A comfortable drive. And great fuel efficiency.



Energy saving tyres.

Our tyres help bring out the best in your truck. Fuel savers to suit your assignment. The right pressure in your tyres, together with correctly aligned wheels and axles, can go a long way to helping you save fuel and money in the long run.



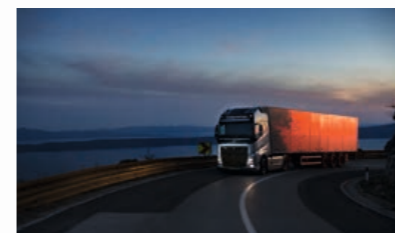
Shut down and save fuel.

Small changes can make a big difference. Engine driven components consume fuel when in use. Steering servo pump. And even the engine itself. Shutting them off when they are not in use saves fuel. And money.



Better startability with crawler gears.

I-Shift with crawler gears. Developed for heavy transport and construction. A faster rear axle ratio allows you to maintain cruising speed at much lower revs. And lower revs save fuel. Starting from standstill with heavy loads just got much easier. Even in extreme conditions with up to 325 tonnes on-board.



Intelligent cruise control.*

I-Cruise helps keep speed steady. It adjusts your speed in order to keep fuel consumption down. This not only helps towards your productivity by maintaining a high average speed. It also contributes to a safer, more comfortable drive. 🚚



A smooth body.

Airflow packages minimise wind resistance and keeps fuel consumption down. With the help of wind tunnel tests, we have finetuned the wind deflectors. The result? Significantly lower fuel consumption. 🚚



Tailor your I-Shift.

Make I-Shift work for your business. There is a range of software packages to suit your driving conditions. Long Haul optimises cruising speeds. This makes for efficient highway driving. 🚚

🚚 Also available as an accessory.

There's a right solution for every job.

Compared to traditional leaf suspension, air suspension offers many benefits. It provides a smoother ride, regardless of the road conditions – saving the truck, the cargo and, most importantly, the driver from additional wear. Different jobs require different solutions and since the Volvo FH can cover everything from fast and efficient long haul transports to tough construction work, we have solutions that optimise them all.

Our rear air suspension that is especially developed for construction trucks, offers high ground clearance (at least 300 mm) and is tough enough to handle rough terrain.

STABILISERS IN BOGIE CENTRE

The position of the stabiliser bar results in less torsion forces on the chassis and better roll and tipping stability. It also contributes to the high ground clearance.

AIR BELLOWS MOUNTED ABOVE THE AXLE

The air bellows are well protected and their positions contribute to the high ground clearance. As do all other components.

PROTECTED BRAKES

Don't worry. No parts of the braking system stick out beneath the rear axle. That's why you can be sure that the truck can handle all obstacles.

AIR SUSPENSION

Air suspension provides outstanding driving comfort and makes it possible to vary the ground clearance. No parts of the suspension lay outside the rear tire envelope. This makes it easier to adapt the chassis for applications such as asphalt layers or tippers.

BETTER TRACTION AND HIGHER AVERAGE SPEED

Optimised rear-axle pressure on every axle means better traction, thanks to the air suspension. The driver can adjust axle load distribution for better traction if needed. Air suspension gives less vibration into the truck and you will get an improved driving comfort, especially when unloaded. This will also contribute to a higher average speed.

HIGH BOGIE LOAD
Tandem: 26 tonnes.



Prepared to fit your body.

Bodybuilders tend to have a favourite truck and that is Volvo. That's because we've gone great lengths to make things easy for them by preparing the chassis for the superstructure already at the factory. They can avoid unnecessary and costly reconstruction work and that means a shorter stay at the bodybuilder's. Here are some of the features that will make a difference.

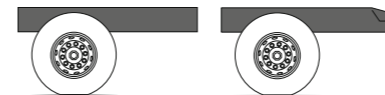


When low weight is essential.
Low weight means more payload and lower fuel consumption. That's why we continue to optimise every part of the truck to make it lighter.



Volvo Bodybuilder Instructions.

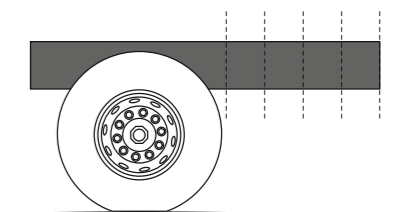
As soon as you order your Volvo FH, exact drawings of your very truck are available in the intuitive VBI online portal. The bodybuilder can start working while we build the truck, which dramatically shortens lead-times.



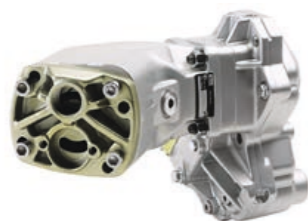
2 different rear end cuts.
We can deliver your FH from factory with bent (for tractors) or straight (for rigid).



A dedicated row of holes.
The frame comes with an upper row of holes that is designated for the superstructure. Since we don't use any rivets here, the bodybuilder can easily attach the equipment.



Choose your exact rear overhang.
The rear frame can be factory cut exactly as you need it – in 50 mm increments – to perfectly match your superstructure. Regardless of whether you are in need of an extremely short rear overhang or a longer one.



Power take-offs for every need.
There's a vast array of PTOs: Engine mounted as well as gearbox mounted, including both clutch-independent and clutch-dependent power take-offs. There is also a wide range of hydraulic pumps even with clutch to save fuel.



Prepared for a crane.
A low chassis and high axle loads. That is what's on every crane builders wishlist. Volvo FH comes with both. What's more, we can create a free frame space near the cab.



The frame is straight.
Unlike most other trucks, a Volvo features a frame that is completely straight and parallel behind the cab. This makes the bodybuilder's job a whole lot easier.



Loads of specification options.
The more possible combinations, the easier a truck is to tailor. That's why the Volvo FH has more options than ever before when it comes to axle configurations, chassis heights and wheelbases.



Body Builder Module.
Makes it easy for the bodybuilder to tap into the truck's electrical system to tailor functions. You can access them conveniently on the flexible dashboard switches and in the Work Remote.



Staying out of the bodybuilder's way.
We never allow our engineers to place anything above the top of the frame. This area belongs entirely to the bodybuilder – adding a lot of flexibility.

REAR-VIEW MIRRORS

Mirrors that keep out of your way.



Ultra-slim housing. For safety.

The side mirrors' slim design adds to the cab's distinctive profile. They not only help you see better backwards, they also reveal more when you look ahead. As a bonus, the design also helps improve aerodynamics and is less sensitive to soiling.



Electrically controlled and heated.

No need to scrape frost or moisture off the mirrors. The heated mirrors take care of that for you. And since all rear-view mirrors are electrically controlled, you can adjust them precisely without leaving the cab. Just as convenient as it should be.



Lane Changing Support. Goodbye blind spot.

Just beside the rear-view mirrors on the passenger side is a small but significant icon. When lit up, it indicates that Lane Changing Support has spotted something in the blind spot area, and you should refrain from changing lane until it's clear. Indeed a life-saving safety feature. Read more about all our driver support systems on www.volvotrucks.com.au



The gap that improves safety.

Upright A-pillars with a slim cross-section and slim mirror design – this does wonders for the visibility from inside the Volvo FH cabs. This is invaluable, not least in city traffic, allowing you to spot other road users, such as pedestrians and cyclists.

THE FUEL DEAL

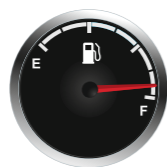
Every drop counts.

Cutting fuel costs and emissions should be easy. That's why we've bundled our most efficient fuel-saving options into two packages. One of them adds features to the truck itself. The other is a collection of several useful services. If you sign up for both, you can count on reducing your fuel consumption. You can of course also get the two separately, or just pick the features you like.



Dynafleet app.

Want to see how fuel-efficient you were on your last shift? All you need is Dynafleet and a smartphone or a tablet. Just download the app, and you've got yourself a great way to improve your skills. Or maybe challenge your colleagues.



More room for fuel.

Speaking of fuel. The flexible chassis layout of Volvo FH allows you to optimise your truck for the fuel capacity you need. With a vast range of fuel and AdBlue tanks there's a good chance you can tailor your truck to carry the maximum amount of fuel allowed.

DYNAFLEET FLEET MANAGEMENT SYSTEM

Knowledge is key to any profitable business. Dynafleet provides it for your hauling operation. Our telematics system provides detailed fleet management capabilities and essential information for managing all aspects of your operation, via three services – fuel and environment, positioning and messaging.

DRIVER TRAINING SMALL CHANGES. BIG GAINS.

The way you drive impacts your truck, its performance and your bottom line. Small changes make a big difference. Our driver development program helps you make the right changes. It teaches you how to save fuel, save lives and get the very best from your truck.

Based on decades of Volvo research and experience, and led by specialist instructors, our training courses combine theory and practical coaching.



ENGINE IDLE SHUTDOWN. SAVE FUEL WHILE STANDING STILL.

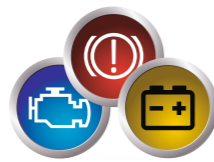
A smart feature that lets you save fuel by automatically turning the engine off after two and a half minutes of idling.

24 V 150 A ALTERNATOR. MORE POWER FOR LESS FUEL.

A very energy-efficient alternator, needing less fuel to charge the batteries. Especially valuable if you consume a lot of power, for example when you're spending the nights in the cab.

Maximising your uptime.

Your mission is to get maximum uptime from your trucks, generating profitability for your company. We're working towards the exact same goal. Find out how our services can help you run your business.



**Service Planning.*
One step ahead.**

Breakdowns and urgent repairs cost you uptime and income. Proactive servicing and preventative maintenance save them. So it pays to plan. We offer a free optimised Volvo service plan with every truck we sell. There is no one size fits all solution, so each plan is specifically tailored to your truck, your application and your business. Your workshop visits are scheduled, standstills minimised and uptime optimised. Your truck will get the exact service it requires – no more, no less.



**Need help?
Just push the button.**

If you need help on the road, you can count on us. Volvo Action Service is available any time, any day, anywhere in Australia. Just call 1800 086 586 or push the VAS on-call button in your truck. Once connected, service is both fast and accurate, because they already know your chassis ID, position and the diagnostic trouble codes.



**24 months parts warranty.
2 years – worry free.**

Keeping your truck on the road, that's what it's all about. And Genuine Volvo Parts are vital to maximising uptime and achieving the most profitable ownership possible. That's why we are now offering a full 2 years / 500,000 km warranty* on fitted parts, when that part is installed by an authorised Volvo workshop. It covers repair or replacement of parts and even consequential damages. See it as a warranty on your business.



**Service Agreements.
Keeping you on the road.**

Volvo Service Agreements keep you on the road. By reducing downtime and total cost of ownership, while improving operational control, it'll also boost your bottom line. The genuine servicing and parts you get with a service agreement keep your truck in optimal condition and at its most profitable, and all servicing is pre-planned and pre-costed, so there are no surprises. There are three levels to choose from – Blue, Silver and Gold – so you can choose the level of cover that's right for your business.



**Uptime Promise.
Back on the road in 8 hours or less.**

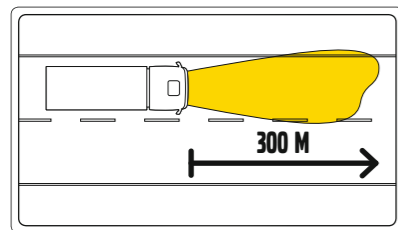
Volvo's Uptime Promise is an extra service offered on the Volvo Gold Service Agreement. It is our promise to deliver maximum uptime to your business. If you experience an unplanned stop, we promise to have you back on the road within 8 hours, from anywhere within Australia. If it takes us longer than 8 hours, we start compensating you financially. The 8 hour time limit begins as soon as you log the call with Volvo Action Service, and is backed by our extensive dealer network.

* Available with Gold Service Agreement.

HEADLIGHTS

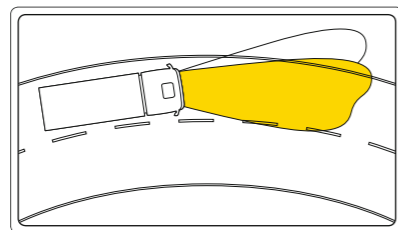
The future ahead looks bright.

So do the curves and corners.



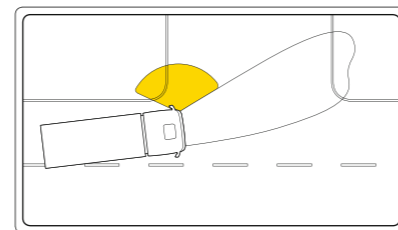
Leading main beam.

When driving at night, Volvo FH is a particularly good friend. The headlights produce a powerful beam, providing you with an early view on what happens down the road. And, just as important, other road users will see you stand out in the dark.



Dynamic headlights.

With dynamic headlights, the dipped beam can pan to follow the road. Whenever you make a curve, so do the lights. On many stretches, this leads to a massively increased field of vision.



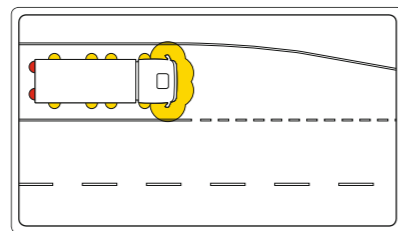
Static cornering lights.

When you slow down to turn a corner in the dark, the enhanced static cornering lights come to your assistance. As soon as you activate the turn signal, the immediate area on the side lights up, helping you spot unprotected road users.




Bi-Xenon.

Equip the headlamps with Bi-Xenon to experience a new level of brightness. They also offer longer service life compared with regular halogen lamps.



Approach light.

When approaching the truck at night, just push the button on the remote key fob. The interior and exterior light up, letting you easily find and safely enter your truck. 



Characteristic look.

The V shaped position and daytime running lights gives the Volvo FH an impression that's easy to catch from a distance.



SIDE TURN INDICATOR

MAIN BEAM

DIPPED BEAM

TURN INDICATOR

POSITION LIGHT AND DAYTIME RUNNING LIGHT 

AUXILIARY LAMPS
Room for fog lights, along with static cornering lights or extra spotlights. 


LOAD HANDLING

Keep a closer watch on the load. From afar.

The electronically controlled suspension (ECS) improves driving comfort and helps making sure the cargo travels safely. ECS4 is the latest version and has brought even more possibilities, with the Work Remote as the most prominent example. You now have perfect control, regardless of whether you're sitting behind the wheel or walking around the truck.



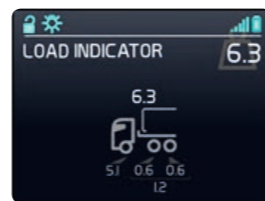
5 levels for loading. 3 for driving. All at your command.

ECS includes four bellows per axle, providing a virtually parallel lift of the chassis. You can easily set the height you prefer. The system lets you store five different docking heights, something that comes in handy when you arrive at a familiar loading bay ramp. You can also choose from three customisable driving levels, to optimise ground clearance or aerodynamics. 




Keeping the chassis steady. And the load in place.

ECS steadily keeps the chassis level, regardless of how the cargo is distributed. It prevents sideways rolling, making sure the truck is always in balance. The Work Remote also allows you to manually compensate for side kneeling.



Load indicator. Accurate and easy to overview.

Intuitive menus and displays let you see exactly how the load is distributed along the vehicle. Weights, axle loads and bogie loads are all specified separately, so you can easily make sure they are within the limits, on the truck as well as on the trailer. Calibration is easy too. You can fine-tune both truck and trailer, for accurate measurements at all times. 



Balance it all with your fingertips.

Cut the wire. With the Work Remote in your hand, you can control the air suspension manually while walking around freely.



Control your equipment.

Start and stop the engine and up to four PTOs. You can also adjust engine speed, and store the rpm setting for quick access.



Turn the lights on.

Do you have work lights, beacons or specific lights from the bodybuilder? Use the Work Remote to switch them on or off.



Add functions from the bodybuilder.

Depending on superstructure, you can control several other functions. All are easily accessible through the menus, and can have the same icons as the buttons on the dashboard.



Use it as a door key.


Yes, it is a bit bigger than the regular key fob, but still. It's quite convenient to be able to lock and unlock the cab doors without putting down the remote.



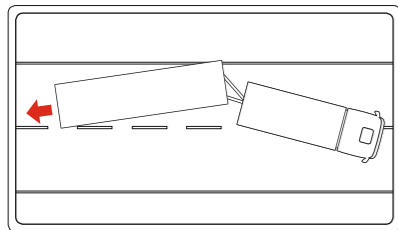
Integrated tail lift controls.

No need to carry around two remote controls. The Work Remote allows you to conveniently raise and lower the tail lift.

WORK REMOTE 

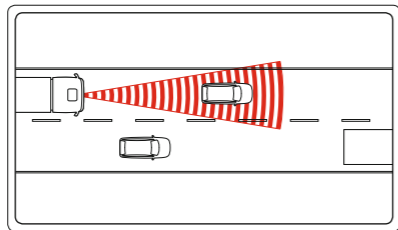
 Also available as an accessory.

Keeping an extra eye on the road.



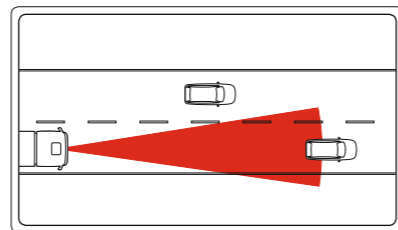
Stretch Brake.

In certain situations, such as turning or driving downhill on a slippery road, the trailer risks catching up with the truck, creating a hazardous jack-knife effect. The Stretch Brake is a Volvo feature, designed to stop that from happening. By pulse braking the trailer, the vehicle combination is stretched, and the danger reduced. The system can be automatically activated in risky situations, at speeds up to 50 km/h.



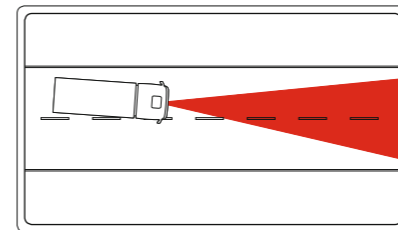
Adaptive Cruise Control, collision warning and emergency brake.

Follow the traffic rhythm without effort. The radar-based Adaptive Cruise Control (ACC) keeps a safe distance to the vehicle in front by controlling the accelerator and all available brakes. If there's a risk of collision, warning lights are projected on the windscreen – and if an impact is imminent, the automatic emergency brake quickly comes to your assistance.



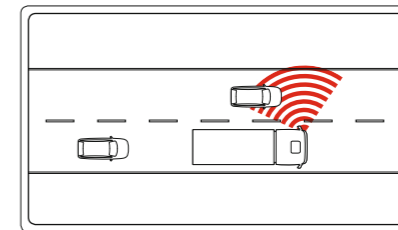
Lane Keeping Support.

Drifting off lane is a common cause of serious accidents. Too common, we think. Lane Keeping Support tracks the road markings with a camera, and alerts you if you should unintentionally cross them.



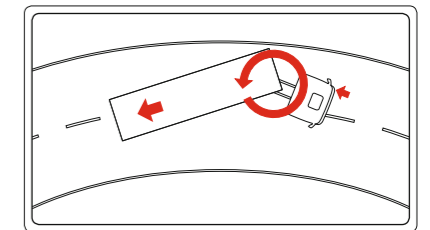
Driver Alert Support.

Driver Alert Support is an intelligent system that tracks your driving behaviour. If it differs from normal and indicates tiredness, you are alerted by a signal and a message in the display, advising you to take a break. 🚫



Lane Changing Support.

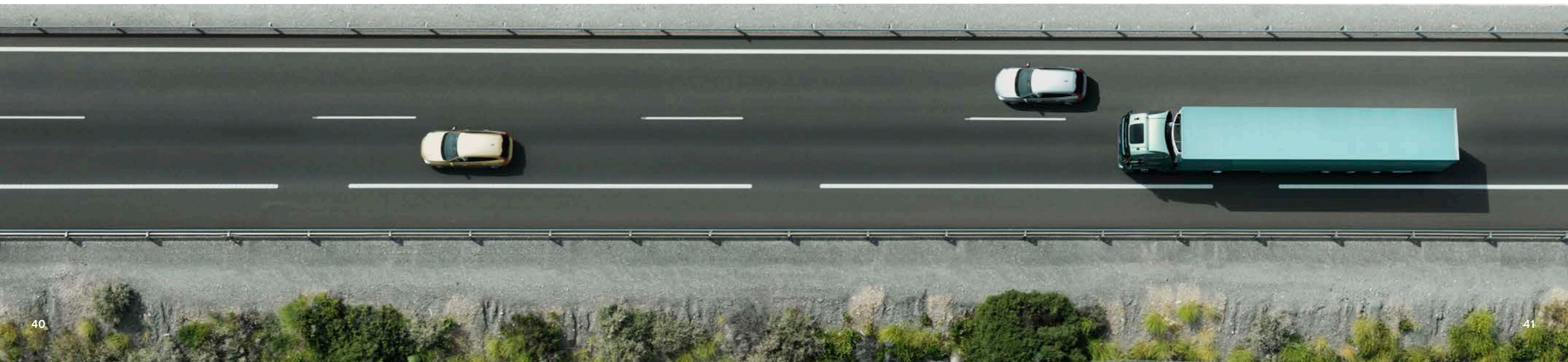
The blind-spot area on the passenger side can easily hide other road users. Lane Changing Support is equipped with a radar that checks that area when you activate the turn signal. If the area's not clear, you are notified by a sound and a flashing icon by the mirror.



Electronic Stability Program.

Volvo's Electronic Stability Program (ESP) efficiently reduces the risk of skidding and rollovers. In risky situations it instantly steps in, reducing engine power and braking the truck and trailer. Each wheel of the truck is braked individually. ESP is now available for most truck specifications, both tractors and rigs. 🚫

🚫 Also available as an accessory.

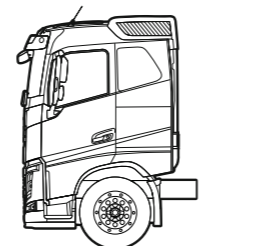
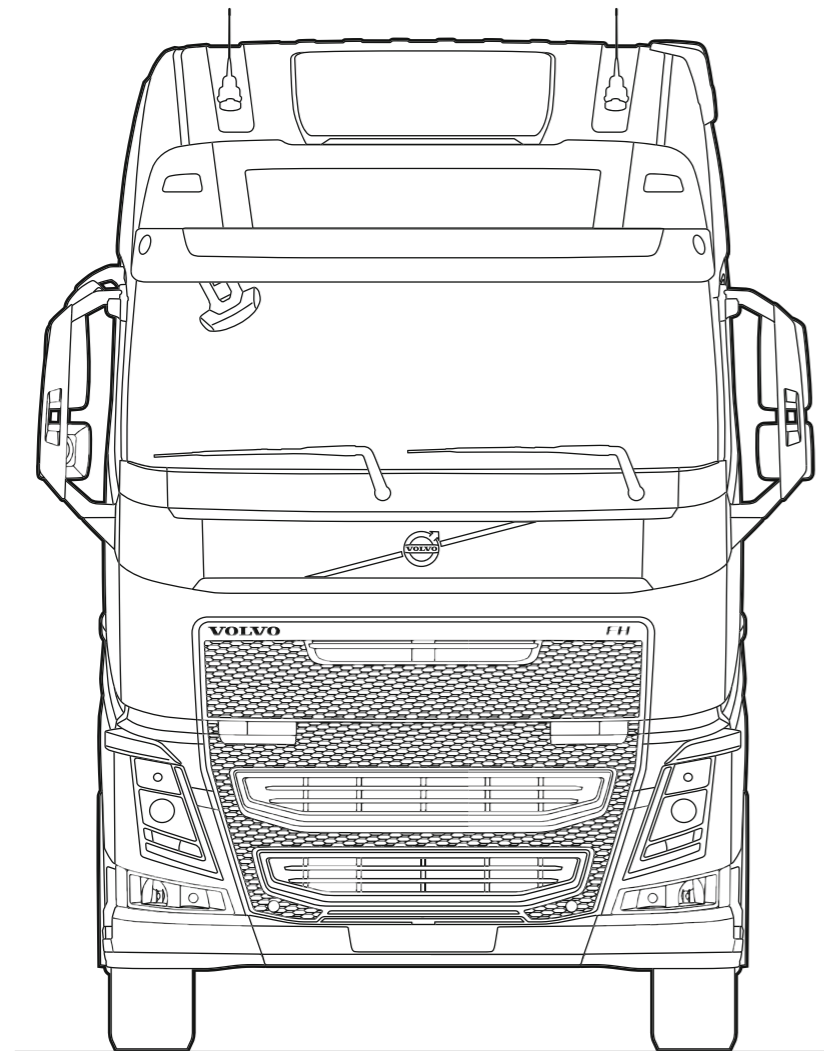


SPECIFICATIONS

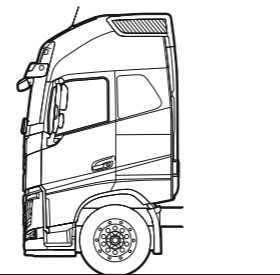
Tailoring your Volvo FH.

This is just a hint of all the choices you have when tailoring your Volvo FH to your needs. The full specifications and all possible options are available at www.volvotrucks.com.au or at your Volvo dealer.

Cabs

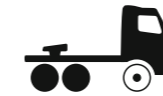


Sleeper cab

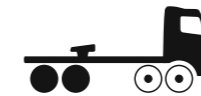


Globetrotter XL cab

Tractor axle configurations



6x4



8x4
(dual front axles)



8x4
(dual front axles)

● = Drive axle.
○ = Dead axle.

Rigid axle configurations

Engines

EURO 5

| | | |
|-------------------------|---------------------------|----------------------------|
| D13C460 (338 kW) | 460 hp at 1400–1900 r/min | 2300 Nm at 1000–1400 r/min |
| D13C500 (368 kW) | 500 hp at 1400–1900 r/min | 2500 Nm at 1050–1400 r/min |
| D13C540 (397 kW) | 540 hp at 1450–1900 r/min | 2600 Nm at 1050–1450 r/min |

Gearboxes

I-SHIFT

12-speed splitter and range gearbox with automated gearchanging system. The version with crawler gears facilitates easy operation with GCW up to 325 tonnes.

| Type | Top gear | Engine torque (Nm) | GCW approval (tonnes) |
|---------|----------|--------------------|-----------------------|
| AT2612F | Direct | 2600 | 100 |

Here's a small selection of specifications – but there are more to choose from. Ask your Volvo dealer or visit www.volvotrucks.com.au to learn more.

ACCESSORIES

Make it your truck.

The Volvo FH is one of the most well equipped trucks in the world. But to tailor it for your particular transport assignments and for your personal needs, there's also a wide range of accessories to choose from. It's all about making the truck more efficient for the work you do. And don't forget that they are all developed and tested by Volvo Trucks for Volvo trucks to make sure they all bring what you expect from a Volvo product.

Here's a small selection of accessories – but there are tonnes more to choose from. Ask your Volvo dealer or visit www.volvotrucks.com.au to learn more about accessories.



Daytime running light



Microwave oven



Air blow gun



Reading light



Air horn



Paper dispenser



Footstep grille, Chrome



Red seat belt



Cradle plate for phone

Smart thinking.

We understand your business. That's why our finance solutions are smart and flexible. And they preserve your credit line with your bank.

We can offer you a customized solution. From a single truck to an entire fleet. New or used. Our finance specialists will find a solution you can rely on. And we're here to help you in good times and tough times.

We are easy to do business with and we operate fast. Our services are conveniently available through your local dealer.

A Volvo Finance solution is a second source for your financing needs. So you can preserve your credit line with your bank. You can use that for other purposes.

Want to find out more?

Our finance specialists will help you with a customised solution. Call us on 1300 720 078 or pay us a visit – we'll find the best package for you.

- Finance solutions are provided by Volvo Financial Services
- Volvo Financial Services does not provide tax or accounting advice. Customers should consult their tax or accountant about individual circumstances.

OUR OFFERINGS

An easy route to ownership

You want to own your truck through regular and predictive payments? A Chattel Mortgage is the answer. Your truck appears on your balance sheet. And once you've made your final payment, it is yours.

Maximum flexibility

Finance Lease offers you full use of the vehicle, and provides a hassle-free way to operate a commercial vehicle. As only a first rental is required to start a Volvo Finance Lease, it is an ideal way to expand your business without reducing your capital. Volvo retains legal ownership for the duration of the lease, and you make fixed payments in order to ease cash flow and simplify budgeting.

The worry free solution

No depreciation risks. No disposal risks. No headaches. At the end of the Operating Lease agreement you simply return the truck to us. We'll take care of the rest.

The total solution

Include a Service Agreement with your purchase and Volvo Finance delivers a Total Solution Maintained Loan or Lease. One easy payment for peace of mind.

Some product images and specifications shown or mentioned in this Product Guide may be of overseas models and may vary from what is available in Australia and/or New Zealand. Please consult with your Volvo Trucks dealer for more detailed information. Colours may vary somewhat owing to the limitations of the printing process. We reserve the right to alter product specifications without prior notification. To the maximum extent permitted by law, we accept no liability in connection with any reliance placed by any person on the contents of this publication.



VOLVO

Volvo Truck Corporation
volvotrucks.com.au