

VOLVO FL





FLEXIBLE...



THE CITY AWAKENS

"At this time of the day, so early in the morning, there are a few hours when I have the city almost to myself."

A transport solution you can rely on. Developed specifically for its task, right down to the smallest detail. Flexible and efficient in the urban environment. The Volvo FL blends in perfectly.



AGILE...



URBAN PULSE

"Dense and fast-moving traffic. In and out of the cab. Encounters with people. The urban pulse generates constant change. And that's what I like about my job."

Nimble and easy to manoeuvre when the roads get congested. Good visibility all around the truck. Generous driver comfort with comfortable entry. Powerful engine and a driveline that's in perfect harmony. In short, the Volvo FL.

A woman with short dark hair, wearing a light blue denim jacket over a white shirt, is looking out of a car window. The scene outside is a blurred urban street at night, with a large white truck in motion on the right, its headlights and side mirror visible. Buildings with illuminated windows and trees are in the background under a dark sky.

PROFITABLE...

THE LATE SHIFT

"People are finishing work about now. Friends and work-mates get together to relax. Soon the night's party spirit takes over. But many of my colleagues continue working the late-night shift. The city has to be supplied – round the clock."



Volvo as a business partner means security. Volvo has a comprehensive range of services that reinforce the truck's reliability and the operation's profitability. The broad range of flexible business solutions promotes freedom of choice.



THE FLEXIBLE WORKI

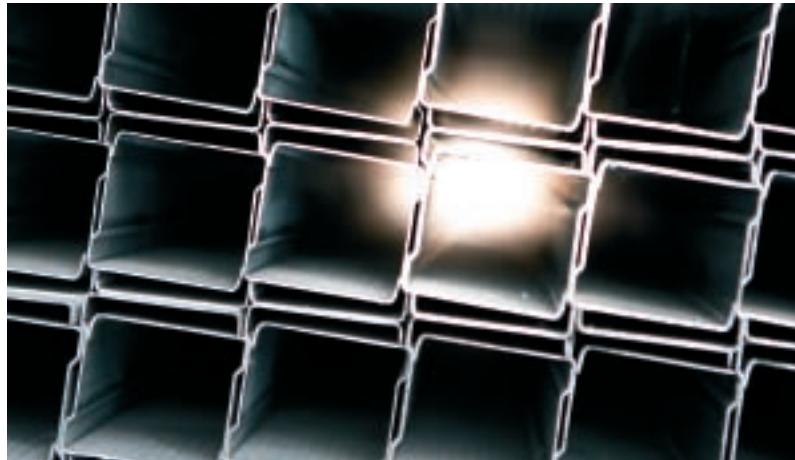


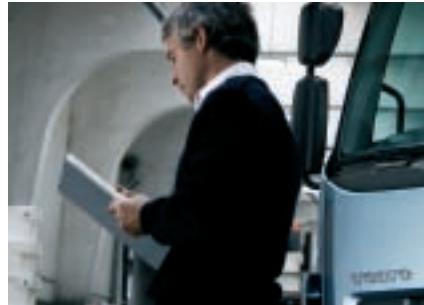


NG TOOL

THE TRANSPORT SOLUTION	10
THE TRUCK	14
THE EQUIPMENT	30
TOTAL PERFORMANCE	34

TOTAL PERFORMANCE





THE TRUCK IS ONLY HALF THE STORY

The truck is only half the story. Let us tell you the rest. Because it isn't really a truck you're after, is it? What you're really looking for is an efficient and profitable transport solution. That sort of solution starts off with the Volvo FL, a perfect foundation for a unique body.

The transport solution may also include one of Volvo's financing options. It encompasses various forms of leasing, as well as insurance. There are many alternatives for finding a financing alternative that suits your operation. Together we can arrive at a solution that will give you peace of mind.

Your truck shall operate with maximum availability and productivity. That is why we developed Genuine Volvo Service, a comprehensive range of services provided by a professional service team in the network of authorised Volvo workshops. You can for instance sign Volvo Service Contracts, which are tailored to suit your wishes and the way you use your vehicle, no more no less.

All this combined gives you a complete transport solution. Volvo can support you in everything that has to do with the truck. Allowing you to focus wholeheartedly on your real task: to offer dependable transport operations with greater profitability.





READY FOR ANYTHING





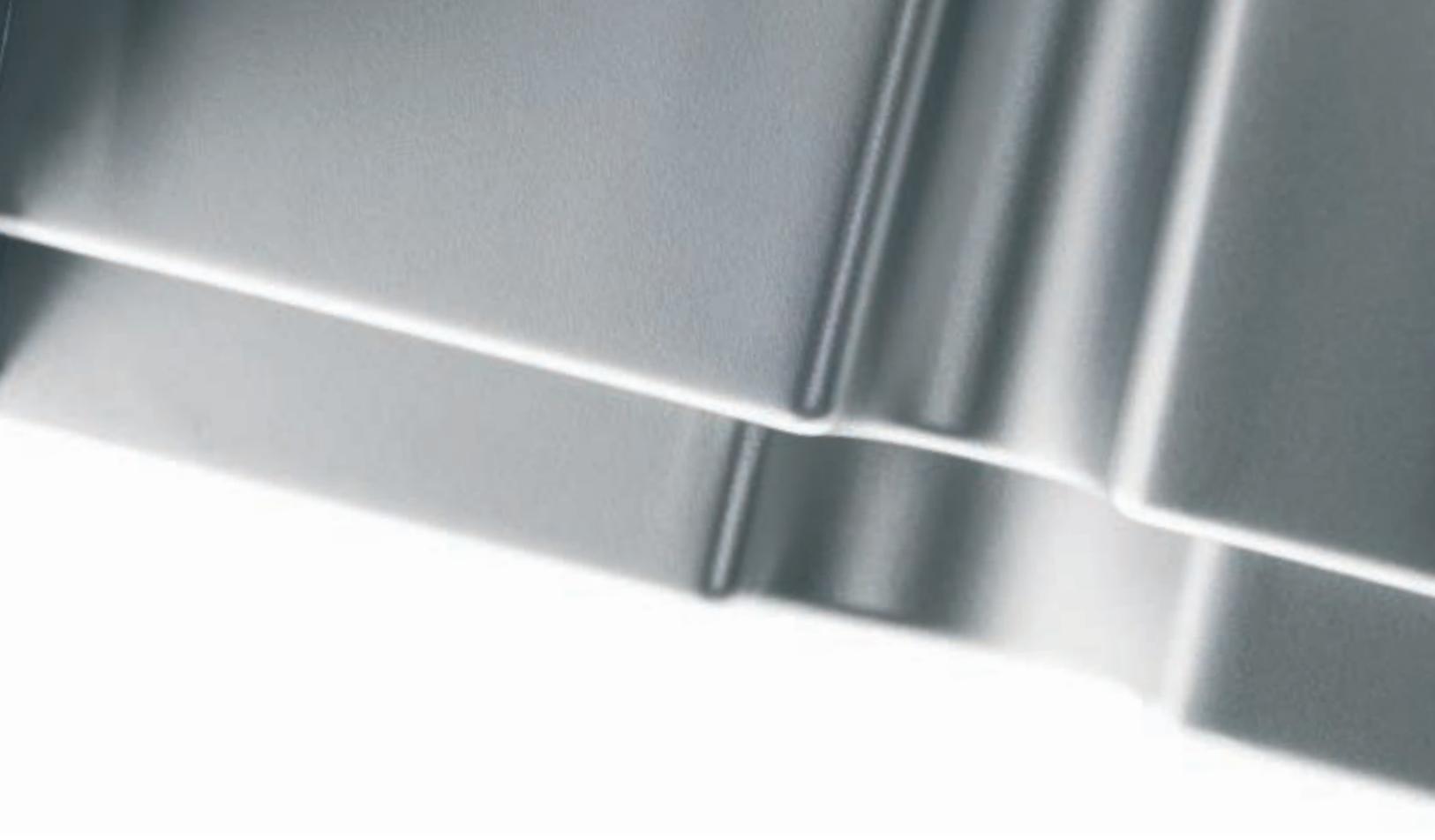
The Volvo FL takes on many guises. This allows you to create a flexible work tool that suits your needs in the best possible way.





PERFECT FOR YOUR NEEDS





The Volvo FL is a truck in the 12–18 tonne range, designed for the pace of today's traffic. Easy to manoeuvre. Excellent visibility all round for safe operation even on congested city streets. Light and flexible, yet sufficiently large for transportation with maximum profitability.



The driveline features a six-cylinder engine with a displacement of 7 litres, offering 240, 260 or 290 hp and generous torque. You can choose between a 6-speed or 9-speed manual gearbox, an automatic transmission or I-Sync – which combines the benefits of the manual gearbox with the convenience of automatic transmission.

The Volvo FL is the perfect chassis for a number of applications, whether you choose Volvo's ready-made solutions or you prefer to individually tailor your very own package. And since it is a Volvo, you can rest assured you will continue to reap the benefits of your new truck for many years to come.

Let's take a more in-depth look at the truck, starting off with a look at the background. And do please take the opportunity for a test drive at your Volvo dealer.

WELCOME TO A NEW DAY AT WORK

Welcome to your new day at work! We've done everything to make sure you'll enjoy being here and we've made it easier for you to do a good job. The noise level, ergonomics, seating comfort, space – we've really tried to cover everything.





Aerodynamically efficient

The cabin has an aerodynamic new design. The gently rounded cab has low air resistance, thus saving fuel.

World-class safety

The cab has been designed according to the latest strides in safety – it is a Volvo, after all. The cab has naturally passed Volvo's unique series of collision and impact tests.

Other road users are protected by FUP, the Front Underrun Protection, as well as underrun protection at the rear, which prevents smaller vehicles from becoming wedged under the truck in the event of a collision.

Easy to enter

The entry has two steps, with optional stairwell lighting. The steps have an anti-slip coating, the door opens wide and the entry grab-handles are positioned for maximum convenience. This is important since you enter and exit the cab several times in the course of your day's work.

Perfect close-quarter control

There are many choices when it comes to exterior rear-view mirrors, with or without heating and power adjustment, as well as wide-angle mirrors and close-quarter mirrors.

The large tinted windscreens can also be ordered with heating. If you specify a windscreens with heat-reflecting glass you get a cooler cab when the sun shines strongly.

Safe visibility all round

Do you often manoeuvre in and out of congested spots, or areas where there are many people moving around? You get particularly good visibility if you specify a sideview window in door and extra side window on the passenger side. A rear window gives you a commanding view over the cargo platform (option).

Comfortable and tiltable

The cab's suspension is entirely separated from the chassis suspension so as to provide good comfort. The cab can be tilted forward 55° to provide perfect access to the engine and gearbox.

In safe hands

With a secure anti-theft system, the truck is in safe hands when you leave it parked or spend the night on board. An alarm can be specified either with or without a starter inhibitor. The alarm is operated by remote control.





Full control and clear overview

The steering wheel is naturally adjustable, mechanically or with the option of pneumatic adjustment. Grouped near the wheel are all the controls that you use most frequently. The instrument panel curves gently around the driver. The gear lever is conveniently integrated into the panel, and there are two cupholders within convenient reach.

The instrument panel features both analogue, easily readable gauges, and a digital display window that shows menus and automatically generated information readouts. The display's messages appear in your own language. With a control behind the steering wheel, you can switch between different information in the display unit.

Comfortable seats

The driver's seats are designed to offer you the highest possible comfort as you spend many hours behind the wheel. Thanks to a generous 180 mm fore-aft adjustment range, drivers of any build can find a suitably comfortable position. The seats are available in different variants, including with air suspension, an integrated seat belt and a wide range of adjustment alternatives. A bench for two passengers and an armrest are also available among the long list of options.

Neat and tidy

When everything is in its right place, it's easier to do your job efficiently. There are storage compartments in the doors and on the instrument panel for freight documents, personal items and coffee cups or a water bottle. A wide range of storage boxes and DIN compartments allow you to tailor the best solution for your specific requirements. In short, the cab becomes your mobile office.

The best working climate

A pleasant in-cab climate allows you to do a good job. The standard heating system can be supplemented with a parking heater so the truck is always warm and cosy when you enter. If you specify air conditioning you not only get pleasantly cool air, it is also dehumidified. Power windows are available as an option, so too is a roof hatch, which can be specified in either steel or glass and with mechanical or electrical operation.

When you need a break

The comfort cab is designed specially for drivers who cover somewhat longer distances. There is space here for a fixed or foldaway short-stop bed for relaxation during breaks. Under the fixed bed there is plenty of storage space for personal possessions.

The passenger seat folds away to increase storage space. It is also designed to serve as a relaxing couch on short breaks.



SUMMARY

Day cab

Width	2100 mm
Length	1600 mm
Interior height	1630 mm

Comfort cab

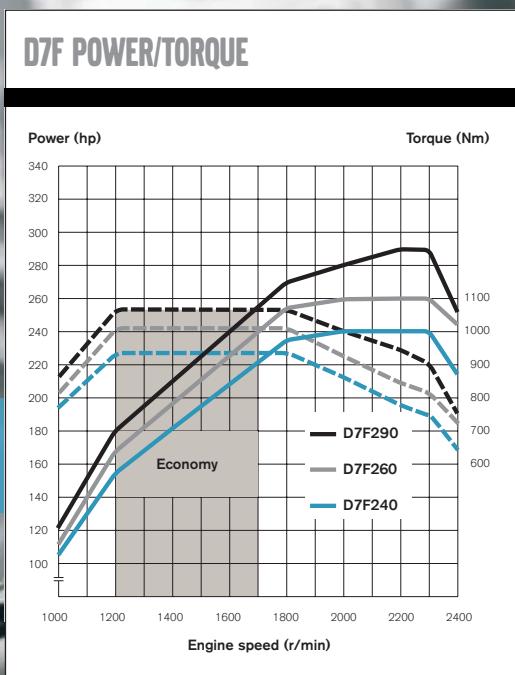
Width	2100 mm
Length	2000 mm
Interior height	1630 mm

Crew cab

Width	2100 mm
Length	2980 mm
Interior height	1630 mm

WE'VE ADDED POWER WITH A CLEAR CONSCIENCE

The driveline begins with the engine, goes via the transmission and ends with the rear axle. In the Volvo FL, every part of the driveline is in harmony with all the other parts.





The engines

The fast pace and intensive traffic of the city require an engine that responds alertly to the accelerator and that provides plenty of torque even when the truck is fully loaded. The Volvo FL is equipped with the latest generation of Volvo's 7-litre engine, the D7F. With power outputs of 240, 260 and 290 hp, there is an engine that is optimally suited for every transport assignment.

A true friend in town

The unbeatably rapid response and the powerful torque from low revs make this engine ideal for various forms of distribution operation, not least in the urban environment.

The engine boasts highly efficient combustion thanks among other things to fuel injection with common rail technology and the EMS electronic engine management system. This combination promotes extremely precise fuel injection. Since the exhaust gases are after-treated with SCR technology, the engine meets the Euro 5 requirements.

SUMMARY

D7F, in-line 6-cylinder diesel engine, 7.2 litre displacement.

Power output: 240 hp, 260 hp and 290 hp at 2300 r/min.

Torque: 940 Nm, 1010 Nm and 1070 Nm at 1200–1800 r/min.

Economy rev range:
1200–1700 r/min.

Exhaust brake: up to 130 kW of braking effect at 2800 r/min.

Compression brake: up to 188 kW of braking effect at 2800 r/min.

Electronically controlled fuel injection with common rail technology.
Electronic control of engine functions.

A 600 Nm power take-off can also be specified. The oil change interval for the engine varies with the way the truck is used and may be anything up to 100,000 km. The Volvo FL quite simply gives you even better scope for improving your productivity – and profitability!

Increased environmental care with SCR technology

Volvo has chosen to focus on SCR technology to meet the environmental requirements. As a result, emissions can be minimised at the same time as the engine's combustion can be optimised. Among the benefits are lower fuel consumption and longer service intervals. In addition, SCR is the technology of the future and will probably play a major role in forthcoming environmental standards too.

Two types of engine brake

The engine brake saves the wheel brakes and extends the lifetime of both the brake pads and the brake discs. In the Volvo FL there are two powerful engine braking systems to choose between – exhaust brake on its own or exhaust brake in combination with compression brake.



SUMMARY

Manual gearboxes

Can be specified for all engines:

- ZTO1006, 6-speed, 1050 Nm
- ZTO1109, 9-speed, 1200 Nm

I-Sync

Can be specified for all engines:

- AT01056, 6-speed, 1070 Nm

Automatic transmission

Can be specified for all engines:

- AL306, 6-speed, 1085 Nm

Rear axles

Can be specified for all engines:

- Solo axle (RSS1125A)
- Solo axle (RSS1132A)
- Solo axle with hub reduction (RSH1140C)

12-16 tonnes

Volvo FL 4x2
19.5-inch wheels
Leaf springs or air suspension front and rear
Front: 105–70 mm*
Rear: 105–70 mm*

* Raising-Lowering

14-16 tonnes

Volvo FL 4x2
22.5-inch wheels
Leaf springs

18 tonnes

Volvo FL 4x2
22.5-inch wheels
Leaf springs or air suspension front and rear
Front: 105–70 mm*
Rear: 140–60 mm*

* Raising-Lowering

Disc brakes: 375 mm or 410 mm. Electronically controlled Brake System.

Turning circle: Approx. 6–12 m depending on wheelbase. Max. steering angle 50°.



GEARED FOR THE FAST PACE OF CITY LIFE

The Volvo FL features light-shifting gearboxes with perfectly spaced ratios. You can choose between two manual, one automatic and I-Sync. All can be fitted with a power take-off. As a result, you can always find a transmission that is suited to your particular transport assignment.

Safer and more comfortable driving with I-Sync

I-Sync – Volvo's smooth, intelligent transmission featuring automatic shifting – makes distribution operations even more comfortable. You can devote your attention to driving safely, concentrating fully on the intensive pace of the city's traffic.

The gearbox has 6 gears and the top gear has an overdrive ratio. All gears are synchronised and gear changing is made with a stalk behind the steering wheel with the aid of electro-hydraulics. There is no clutch pedal.

Rear axles combine high strength with low weight

The Volvo FL has solo axles with single reduction or the option of a hub-reduction alternative. The axles are of the hypoid type which makes for a sturdy final drive characterised by quiet operation and immense dependability. All axles are equipped with differential locks as standard.

Anti-locking disc brakes

The Volvo FL has pneumatic brakes with ventilated discs both front and rear. The Electronically controlled Brake System features anti-locking system and provides faster braking response and less brake wear.

Good driving properties and high comfort

Parabolic suspension is the mechanical system. The front and rear axles are also available with an air suspension system that provides high ride comfort and gentle transportation of your cargo.





A NEW DIMENSION IN DRIVING

The Volvo FL really comes into its own when you need to manoeuvre in environments where there isn't room to swing a cat.

Perfect vision on all sides. A tight turning radius. You go forward even when the traffic is at its most unforgiving. And when you need to load or unload you have the possibility to get really close. With air suspension as an option it's simple to find the right level on the loading platform.

Volvo FL is both a pleasure to drive and simple to load – a beautiful combination.



RIGHT FROM THE GROUND UP

Sturdy so that the truck can continue to serve for many years to come. Light so you can carry as much as possible. That's what makes it right from the ground up.

The Volvo FL chassis is ready from the very outset for you to tailor the truck to suit your particular needs. Brackets for attachment of the body, trailer and underrun protection beam are provided by the factory. And the electrical and electronic systems are factory-prepared so your bodybuilder only has to plug in the body. In short, you get exactly the truck you need, quickly and easily.

Of course it is possible to choose fuel tanks and AdBlue tanks with different capacities. There are fuel tanks of plastic, steel and aluminium. In short, everything so your truck can be tailored to meet your needs – exactly.

Volvo FL for special applications

The Volvo FL can be chosen for different applications with specially modified chassis packaging. The application for road sweeping operations has components such as the tank, air tanks and battery box relocated and a vertical exhaust system behind the cab's rear wall.

The Volvo FL in refuse collection configuration has specially adapted chassis packaging, automatic transmission and a rear axle with or without hub reduction and a passenger bench that can carry the vehicle's entire crew (option).

Further applications where the Volvo FL is admirably suitable are as a tipper platform, with or without a crane, as a tanker and as a recovery truck with crew cab. The Volvo FL is also available with ADR specification.

SUMMARY

The chassis is available in two variants:

- Low frame
- High frame

Different chassis packaging:

- Packaging standard
- Packaging road sweeper
- Packaging crew cab

Different tank alternatives:

- Three materials:
Plastic: 80, 130, 200 litres.
Steel: 300 litres and extra tank of 200 litres.
Aluminium: 170, 200 litres
- AdBlue (plastic): 20, 50 litres





THE COMPLETE PACKAGE SOLUTION

Individually tailored transport solutions can sometimes consist of a standard solution. That's the idea behind the application recommendations offered for the Volvo FL.

If you need to select a new truck and equip it, this approach makes life simpler. You get a complete and correct specification already from the outset. No risk of forgetting an important item of equipment. You get your new truck quicker and it gets really convenient when you add a business solution from Volvo. Read more later in this brochure.

What do you need?

Volvo has developed different recommendation packages that make it easier for you to specify your vehicle. All you really need to do is to tell us what you're going to use the truck for, and Volvo will do the rest. Our recommendations encompass the engine, transmission, chassis, axles – in fact everything that gives the truck the ideal combination of properties to suit your particular transport requirements.

CHOOSE THE TRUCK TO SUIT YOUR NEEDS

12-18 tonnes

Rigid
Rigid with air suspension
Rigid with leaf springs
Rigid with tipper platform
Recovery

15 tonnes

Road sweeper

16 tonnes

Refuse collection

PACKAGES THAT MAKE YOUR TRUCK COMPLETE

Distribution (D)	Distribution+ (D+)	Vocational (V)	D	D+	V
Electrical window lift on both sides	• • •	12 V outlet in cab	•		
Instrumentation medium	• • •	12 and 24 V outlet in cab		• •	
Roof hatch, manual operated	• • •	Dashboard air connection			•
Roof hatch, electrical operated*	•	Electrical heated and operated ext. mirrors		• •	
Climate control	• • •	External sunvisor		•	
Rubber mats	• • •	Remote control for door locking		•	
Overhead storage with lids	• •	Instep lamp on door		• •	
CB mounting		Start help			•
Cruise control	• •				
Writing pad	• •	* Manual on cab L1H1			

AUDIO PACKAGES

	Audio Basic	Audio Medium	Audio Advanced
Playing			
Audio CD	•	•	•
CD-R/CD-RW		•	•
MP3/WMA/WAV		•	•
Speed-dependant volume control		•	•
Extended mute functions	•	•	•
Radio			
FM/AM antenna	•	•	•
FM stations	12	18	18
AM stations	6	6	6
RDS	•	•	•
Connections and interfaces			
Low-level input, 4 channels	•	•	•
3,5 mm stereo line input		•	•
USB connection			•
iPod interface			•
Bluetooth			•
Wireless remote control			•
Loudspeakers			
Number of loudspeakers	2	2	2
Output	2x20W	2x20W	2x20W





PRODUCTIVE AND PERSONAL

Volvo Truck Accessories are a good choice when you want to supplement your truck, either to make it even more productive or to make it more personal. The equipment is developed by us – by the very same people who developed the truck in the first place. So you can put as much faith in the accessories as you can in the truck itself.

At your Volvo dealer you will also find a wide selection of products from selected suppliers, such as tyres, equipment and components for bodies, workshop equipment and navigation systems.



INCREASE EFFICIENCY

Wind deflector system

Wind deflector panels reduce air resistance, thus lowering fuel consumption.

Aerodynamic wheel fairing

Wheel fairing which reduces air resistance and improves both the trucks fuel economy and appearance.

Navigation

When you can find your way accurately from the very outset, your operations become much more efficient. Your Volvo dealer has the perfect equipment for navigation.

EVEN SAFER

Working lamp

Allows you to work safely even after nightfall. The working lamp is fitted on the cab roof and can be directed at the area where you are working.

Foglamps

Foglamps that are fitted low down in the bumper corners and light up the road under the layer of fog.

Rotating warning beacon

An important safety detail if you work in or close to traffic.

Speed limiter

Intended for vehicles with passengers on a platform outside the vehicle. A sensor feels when a person is standing on the platform. A speed restrainer limits the driver to low speeds, 6 km/h or 30 km/h depending on the version of the vehicle.

Fire extinguisher

An indispensable item of safety equipment which is fitted for easy access on the driver's side.

Fire alarm

Optical fire alarm which warns/alarms in the event of fire or smoke.

Emergency hammer

Equipment for personal safety, allowing you to break a window and climb out that way if the doors are blocked.

Security box

Fitted against the cab's rear wall for safe storage of your valuables in the cab.

Outside sunvisor

An item of safety equipment that contributes to better visibility when a strong light comes from straight ahead, for instance when the sun is low on the horizon.

Roof-mounted horn

Dual air horns with a powerful signal.

Mudflaps

Both front and rear mudflaps feature a special surface on the side facing the wheels that dampen and finely atomise the spray from the wheels.

Rear view camera

Assists the driver and lets him easily manoeuvre his vehicle when his rear-view is obscured.

FOR YOUR COMFORT

Armrest on the passenger side

The armrest is fitted on the inside of the seat and offers the passenger enhanced comfort, together with the door-mounted armrest.

Open storage box

Practical and spacious open storage box fitted behind the passenger seat in Comfort cab. If a parking heater is fitted, the box also serves as a shield against accidental contact.

Box on the engine cover

Very spacious, lockable storage box on the engine cover in Comfort cab without a day-rest bunk. On the upper side of the box there is another compartment with a lid. Electrical socket for 12 and 24 V.

Storage box on the engine cover

Practical storage box on the engine cover, intended for day cab. The upper face is flat and forms an excellent writing surface. Electrical socket for 24 V.

Open storage box

Open storage box for Comfort cab. It is placed on the engine cover against the rear cab wall and features one large and one small compartment.

Multipurpose box without upper storage compartment on the engine cover

Lockable storage box on the engine cover for Comfort cab in combination with two-part day-rest bed (78 mm mattress). There is space for freight documents and so on in the pull-out drawer.

Chillbox/Warmbox

There is both a compressor chill system as well as a thermoelectric chill system. There is a choice of different models and sizes depending on which suits the driver best.

Audio Medium

High-class audio system with features such as MP3 and WMA compatibility, low-level output and speed-dependent volume control.





THAT PERSONAL TOUCH

A comprehensive range of equipment that makes life in the cab more comfortable. It includes items such as a sleeping bag, flash light, shaving mirror, bags and other storage equipment.

Upholstery covers, vinyl

With upholstery covers, it is possible to keep the seats smart and clean even in dirty environments.

Volvo parking heater

Volvo has a complete system for heating the truck. The range includes an electrically powered parking heater for heating the cab, an engine heater, and a combined heater for both cab and engine. The diesel powered parking heater is aimed for the engine.

Rubber mats

Protect the standard floor carpets and shield both the driver and passenger sides as well as the engine compartment cover.

Elongation

The seat belt extender is attached to the existing seat belt buckle and extends the belt by 183 mm.

Writing top

The writing top is placed on the steering wheel and simplifies document handling inside the cab.

Mobile phone holder

Fitted to the instrument panel and makes for safer mobile phone use while on the move.

Sunvisor

The cab is equipped as standard with three sunvisors for the windscreen. They can be supplemented with sunvisors for the side windows too.





**WE OFFER
PEACE OF MIND**





At Volvo, we've been building trucks and working closely together with truck owners for over 80 years. So it would be very strange if we hadn't learned a whole lot about the conditions relating to owning and driving a truck. We're right with you throughout, supporting your operations in a variety of ways.

In order to make your truck ownership trouble-free and your financial calculations as predictable as possible, we have put together a variety of package solutions that may encompass the vehicle, financing, insurance and equipment. Ask your Volvo dealer about what we can do to preserve your peace of mind.



First of all it's important to choose the right truck. The right engine, gearbox, rear axle ratio, body – you'll get help with all that and more at your Volvo dealer. We'll help you put together the truck that will do the job for you in the best possible way. There are readymade suggestions for chassis packaging and equipment packages for various applications. We also support you with a variety of services that allow you to concentrate on your own operations.

Financing

Volvo has a range of solutions giving you a financing option to suit your particular requirements. With Instalment Credit, you repay the cost of your vehicle at a fixed cost every month and avoid burdening your own liquidity.

With financial or operational leasing there are various solutions that can be tailored to suit various needs, for instance buying the vehicle at the end of the lease period. Leasing makes your budget planning both simpler and more accurate.

Genuine Volvo Service

In order for your Volvo to operate as trouble-free and reliably as possible, we have developed Genuine Volvo Service. Here you will find complete service programme from preventive maintenance and maintenance management to assistance if something unplanned should happen.

Volvo Service Contracts allow you to select a service level according to just how convenient you want your operation to be.

Volvo Blue Contract covers preventive maintenance of the truck itself.

Volvo Silver Contract features both preventive maintenance and repairs to driveline components.

Volvo Gold Contract is the truly convenient solution, covering both maintenance and repairs of the entire truck. More than that, this solution offers you excellent protection against unplanned downtime.





The base services in each contract can be extended with a range of options, allowing you to create a solution that exactly suits your needs.

If you have your own workshop, you can rely on Volvo's service schedule, which allows you to plan the preventive maintenance of each vehicle in your fleet.

Volvo Action Service

If you come to a stop as a result of an unplanned standstill, help is never further away than one single phone call. Volvo Action Service swings into action, assisting you with such practicalities as re-booking hotels and ferries if this is necessary.

Genuine Volvo Parts

In order for your truck to continue operating without problems, mile after mile, the Volvo workshop always uses Genuine Volvo Parts. These are exactly the same parts that are used to build your truck in the first place, irrespective of whether we are talking about brand-new components or exchange components.

When you choose a Volvo workshop and Genuine Volvo Parts, you choose a safe and secure way of obtaining maximum productivity from your truck. And your Volvo will remain 100% Volvo.

Helping you make the right decisions

Dynafleet Online is the web-based transport information system that helps you with vehicle handling, driver handling and transport handling. The system collects data about both the vehicle and the driver. This information helps you plan your transport operations, work-hours and preventive maintenance for the entire fleet – the sort of things that improve your profitability

Volvo Trucks Driver Development

A good driver can always be better, can always drive a little more economically and save both fuel and the vehicle itself. Volvo's driver training courses aim at improving driving techniques, resulting in more economical driving, greater environmental care and reduced truck wear.

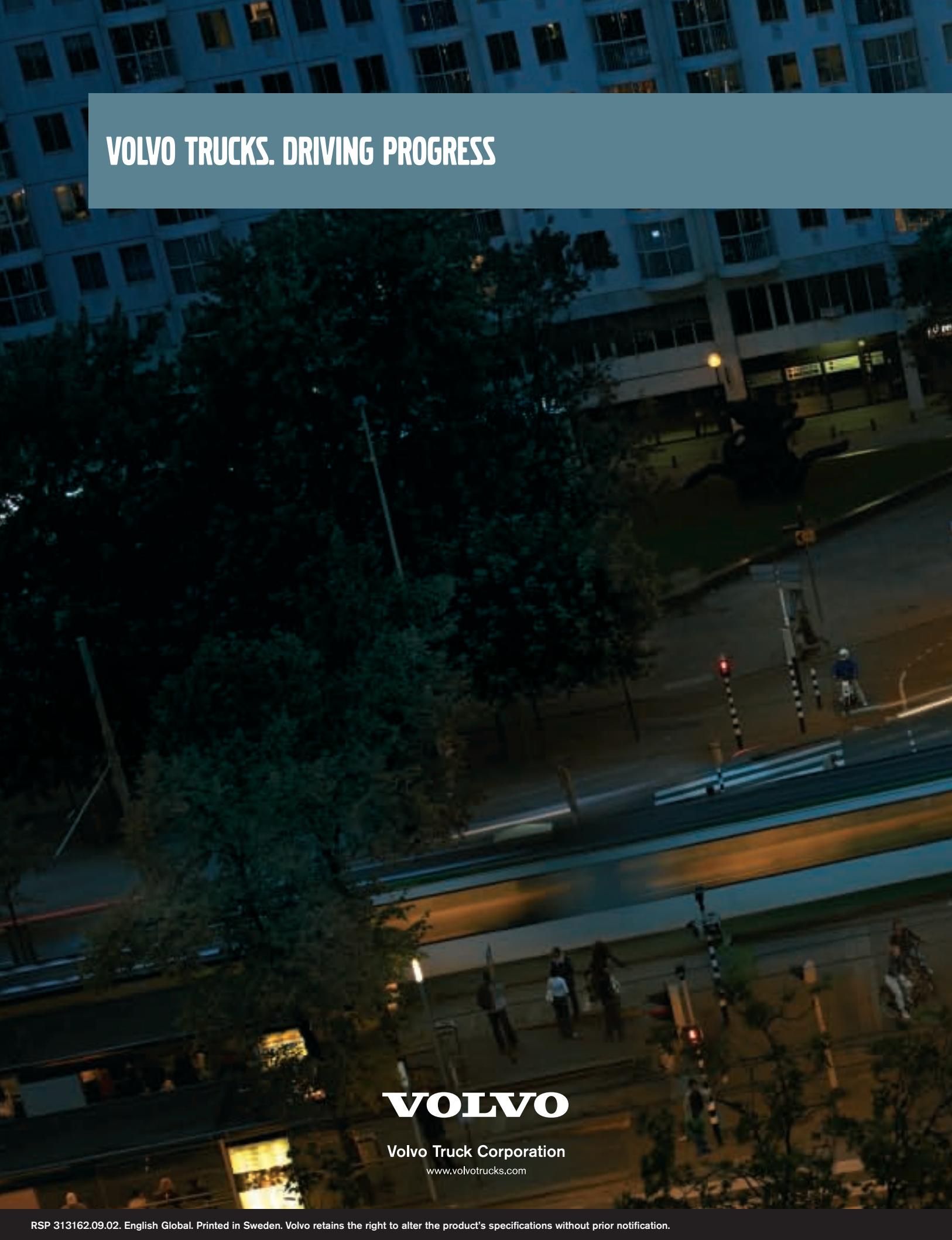


TOTAL PERFORMANCE

A NEW DAY DAWNS

"We had an enjoyable evening yesterday. But a new day has dawned once again. The truck has been freshly serviced and I'm feeling relaxed. So let's hit the road again."

The Volvo FL is designed to provide trouble-free operation, mile after mile after mile. With correctly calculated maintenance, carried out at times that suit your operational schedule, you get a convenient and profitable transport solution.



VOLVO TRUCKS. DRIVING PROGRESS

VOLVO

Volvo Truck Corporation

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