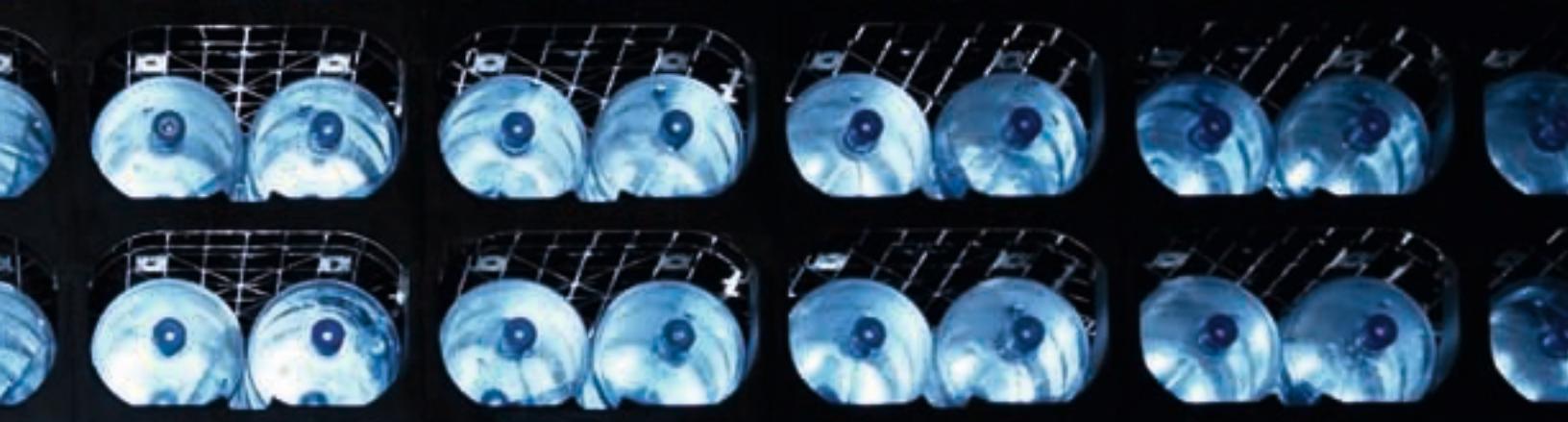


VOLVO FE







UP









VOLVO







Volvo FE for total performance. The Volvo FE is designed and built for efficient local and regional transport operations with gross combination weights of 18 to 26 tonnes. It combines Volvo's core values of safety, quality and dependability with industry-leading technology and modern design.

This means, that you get a comfortable functional cab that offers you superb control and a driveline that offers class-leading performance, superb driveability, low fuel consumption and good environmental impact. Plus the versatile chassis can be specified to suit the task for which the truck is intended. So for dry freight, refrigerated or frozen goods distribution, light construction duties and various forms of bulk-goods and tanker operations, the Volvo FE is the ideal choice. Entering the Volvo FE also means entering the Volvo Truck world. Here you will find an unmatched total offering of services and products that are all designed to make your operation as productive and profitable as possible.

We also want to take this opportunity to present our latest innovation – the Volvo FE Hybrid. A truck with exceptionally low fuel consumption, extremely

low emissions and the possibility of running for short distances almost soundlessly. Read more about the Volvo FE Hybrid on page 36.

VOLVO FE • model range

Volvo FE 4x2 rigid

Gross vehicle weight (GVW) 18 tonnes.

Gross combination weight (GCW) 26–44 tonnes.

Power output 240, 260, 300, 340 hp.

Volvo FE 6x2 rigid

Gross vehicle weight (GVW) 26 tonnes.

Gross combination weight (GCW) 32–44 tonnes.

Power output 240, 260, 300, 340 hp.

Volvo FE 6x4 rigid

Gross vehicle weight (GVW) 26 tonnes.

Gross combination weight (GCW) 32–44 tonnes.

Power output 260, 300, 340 hp.



PROFESSIONAL. LIKE YOU.

The Volvo FE is designed by professionals for professionals. The Volvo FE is the perfect choice for the following applications.

Regional distribution

The Volvo FE is ideal for all types of distribution. It is available as a 4x2 (18 tonne) or a 6x2 tag (up to 26 tonne); both offer a wide range of wheelbases, front axle capacities, tyre sizes, chassis heights and suspension or bogie alternatives, allowing you to get a truck that is perfectly tailored for your job. The 6x2 is also available with a hydraulic rear steering axle, for improved manoeuvrability in tight urban spaces. Our most recent seven-litre engine, the Volvo D7F, is optimised for its task and combines first-class fuel economy with excellent driveability and low emissions. The spacious cab is available in three sizes, has a real truck feel and plenty of practical storage.

Refrigerated Operations

Frozen or chilled. Food or flowers. The Volvo FE offers the sort of high load comfort that makes it suitable for transporting sensitive products. With options such as an 8 tonne front axle to cater for diminishing loads via the rear doors, the Volvo FE can be easily adapted to meet the varying demands from this segment.

Municipal Applications

Low noise level, low emissions, generous all-round visibility and simple manoeuvring make the Volvo FE highly suitable for municipal operations on congested inner-city roads and narrow suburban lanes. The willing seven-litre engine combined with the optional automatic transmission is perfect for this type of

operation with its frequent starts and stops. A wide range of engine and gearbox power take-offs are available depending on precise application. The low FE cab has convenient entry with two anti-slip steps overlapping in a stair like design. The intermediate 2.0m deep cab can be equipped with an additional passenger seat, storage in the rear and coat hanging facilities.

Light Construction

If you need a true all-rounder for light construction duties, the Volvo FE is the right choice. Available as 4x2 (18 tonne) or 6x4 (26 tonne), it is robust, spacious and safe, and at the same time agile and easy to manoeuvre. It can be factory-prepared for simple bodybuilding and serves admirably as a tipper, with or without a crane, or as a lightweight mixer. It is available with a wide variety of engine and gearbox power take-offs. The Volvo FE's weight optimised design makes it ideal for bulk tipper and mixer applications.

Tankers

With its robust chassis, the Volvo FE is built for gross vehicle weights of up to 26 tonnes as either a 6x4, 6x2 tag or 6x2 rear steer. Thanks to its low kerb weight, you get plenty of capacity for income-earning payload making it an attractive combination for tanker and bulk operations. The power and torque of the seven-litre engine is more than sufficient for the job, at the same time offering excellent fuel economy.





Genuine Volvo Service

Genuine Volvo Parts

FOCUSING ON YOUR

Volvo FE for business performance. From the moment the Volvo FE engine is switched on, it is your operation that stays in firm focus. The Volvo FE is a strong contender on its own, but it becomes all that more profitable when combined with an individually tailored business package to suit your needs. In addition to trucks specified for your operation, we can provide a range of services and products that brighten your operational prospects still further. The sort of things that aren't always apparent from the outside but that work wonders behind the scenes and that may actually be decisive when it comes to determining just how productive your truck is in the long run. From financing and preventive maintenance to roadside assistance and driver training. Discover the inner world of Volvo Trucks at your local dealer. Further information is available on page 32.



Financial Solutions

Dynafleet Online

Volvo Service Contracts



Volvo Truck Accessories

OPERATIONS

Volvo Trucks Driver Development





A PRODUCTIVE PERSONALITY

Volvo FE for driver performance. Available in three options all Volvo FE cabs have been designed with the driver in mind. Offering good ergonomics, safety and aerodynamic efficiency, excellent entry and exit, and a vast range of optional equipment, the FE is developed for maximum productivity.

Three cabs. You can choose between three cabs depending on your operation and needs:

- Short Day cab: For short distances at 1.6m long it offers maximum body space on a given wheelbase.
- Medium cab: A comfortable alternative for longer distances or vocational applications. At 2.0m long this cab offers excellent storage facilities behind the seat, so is ideal for vocational uses such as tipper, municipal and brewery drays. Alternatively it can be used with a fold down bunk as an occasional sleeper cab.
- Long Sleeper Cab: The ideal choice if you want overnight accommodation in the truck. Plenty of space on board for personal storage. All Volvo FE cabs offer high-class comfort, with comfortable seats and plenty of interior space.

Entry. The Volvo FE cab has a convenient entry with two anti-slip steps overlapping in a stair like design. The steps have an anti-slip coating, the door opens wide and the entry grab-handles are positioned for maximum convenience. An optional step illumination light in the lower door is also available.

Headlights. Powerful headlights integrated into the bumper provide good visibility even in poor conditions, this can be further enhanced with the option of powerful washer jets. Integrated corner foglights are available as an option.

Visibility. Tinted windows all round with the option of heat-reflecting glass provide the Volvo FE with excellent all round visibility. The excellent vision can be further enhanced by special driver and passenger doors with lower kerb windows. Additional cab windows behind the seats are

available as an option on the medium cab, giving enhanced near side visibility particularly at staggered junctions. There is also an option of a rear window on day and medium cabs.

Newly developed rear-view and wide-angle mirrors on both sides provide excellent visibility to the rear. The main mirrors are heated with the option of electrical adjustment. The standard deep kerb view mirror provides good close up visibility particularly at traffic lights. Couple this with the optional close-quarter mirror at the front and you get a perfect view of the area surrounding the vehicle. All mirrors are designed in accordance with the EU vision directives that came into force in 2007.

Simple daily service. All the service points are easily accessible and logically grouped. Large steps in the front make it easier to clean the windscreen. There is no need to check the oil manually, as the reading is given electronically from the driver display. The cab tilt control is manual, with electric cab tilt available as an option.

Comfortable cab suspension. The Volvo FE cab is available with a choice of two cab suspensions. The standard cab four point coil suspension provides firm and comfortable support. There is also an option of four point air suspension for good roads, as a more comfortable alternative.

Air deflectors. An optional air deflector package can offer a significant fuel saving if set-up correctly. The Volvo FE short day and medium cab is available with a fixed roof deflector, whilst the long sleeper cab has an adjustable option. All cabs can be equipped with side deflectors, which blend the vehicle neatly into the superstructure.

VOLVO FE • Cab facts

Short Day cab	Medium cab	Long Sleeper cab
Length 1600 mm.	Length 2000 mm.	Length 2200 mm.
Width 2300 mm.	Width 2300 mm.	Width 2300 mm.
Interior height 1620 mm.	Interior height 1620 mm.	Interior height 1620 mm.

Instruments and controls. In the Volvo FE, you get an excellent overview of the road and surrounding traffic, the ergonomically designed controls are all positioned within easy reach. All the instruments are easy to see and the instrument panel's gently rounded

contours make the driver's environment a pleasant atmosphere. The main instruments are identical to those in Volvo's larger trucks, with clear, well-positioned gauges and a large display for driver information.

Seats. Designed for practical function and maximum comfort the Volvo FE is available with a choice of four comfortable driver seats and five passenger seats. For the very best, the heated Comfort Seat with upper and lower lumbar support is the right choice for a perfect, individually tailored seating position. Extra passenger seat available as an option on the Medium cab.



Overhead Shelves. Above the windscreens there is a spacious shelf with three DIN radio slots and plenty of space for electrical equipment.

Steering wheel. The comfortable, grip-friendly steering wheel is available with integrated controls for cruise control. The steering column features the stalk control for engine brake or automatic gearbox retarder,

lights and indicator on the right. Whilst on the left there is the a wiper and paddle stalk for navigating the driver information display. The steering column can be pneumatically adjusted for height and rake to find the perfect driving position.

Climate. A powerful climate unit with manual air conditioning (optional) keeps the temperature and humidity at the right level. The air conditioning system is available with an extra cabin filter for driving in demanding conditions. A roof hatch is also available which is ideal for providing safe ventilation at night to sleeper cabs.

Smart storage. In the Volvo FE, every available space is utilised efficiently. In other words, there is plenty of smart storage space in the form of optional compartments and pockets. There are many types of storage boxes for fitting on the engine tunnel, from a simple tray, to a pull-out drawer table design for the short day and medium cabs. The medium cab can be further adapted to match

a variety of operations, with space for an additional storage box, coat rack and hooks behind the driver and passenger seats, or alternatively it can be used as an occasional sleeper. The long sleeper cab always has a full bunk, so has limited storage on the engine tunnel, in order to allow movement within the cab.



Manoeuvrability. The Volvo FE is easy to manoeuvre even in congested spaces. The maximum steering angle of 50 degrees ensures the truck has the tightest turning circle for the given wheelbase. The Volvo FE 6x2 is available with either a fixed or electro-hydraulically steered tag axle that reduces tyre wear and improves manoeuvrability even further.

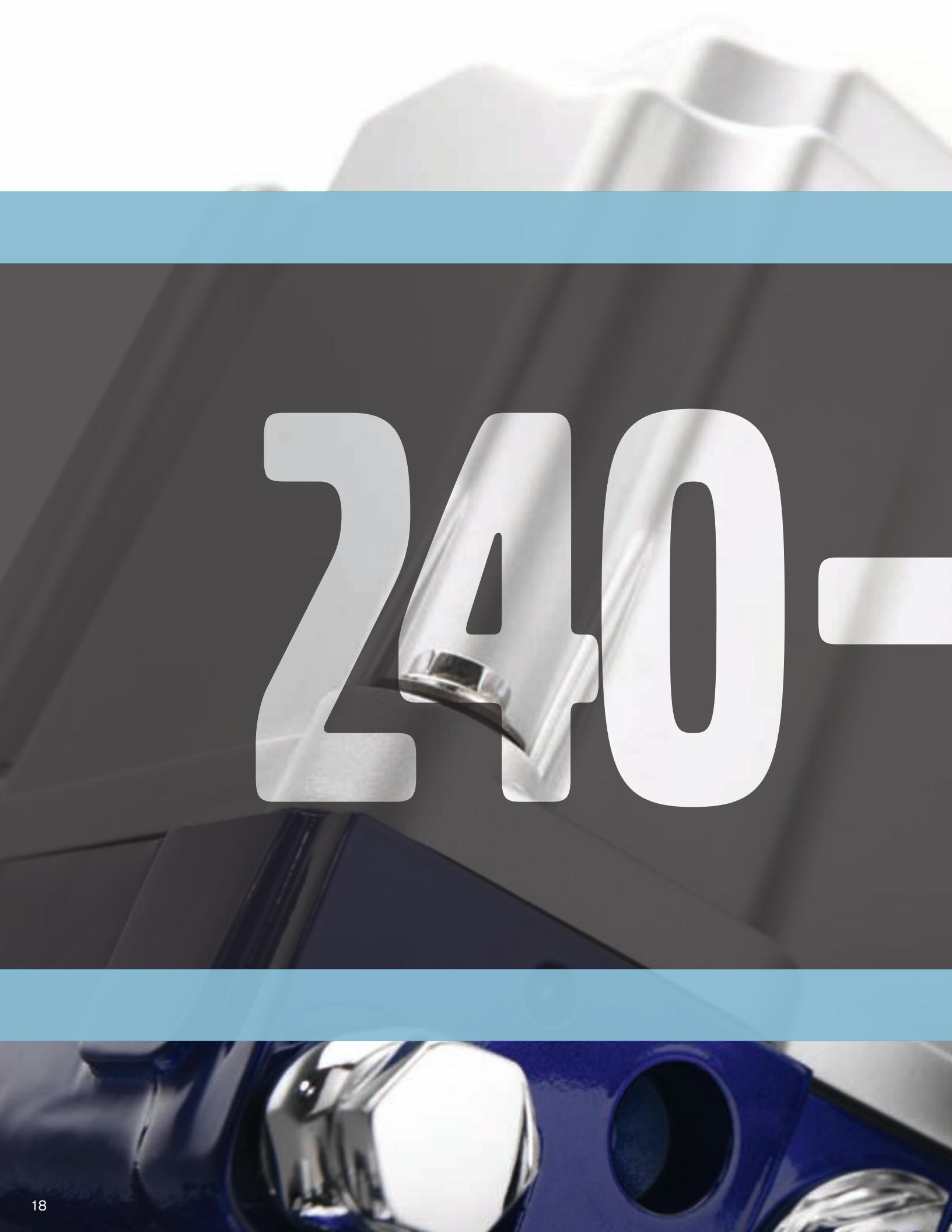
12-24 Volts. A 12 V power socket is fitted as standard. There is also the option of a 24 V socket on the passenger's side.

Noise level. Low noise levels both in and out of the cab.

Relaxation. The Volvo FE offers excellent potential for on-board relaxation:

- The Medium cab is available with a fixed or two-piece fold up bunk, both with foam mattresses. Dimensions are 13.5 x 58 x 200cm and 9 x 78 x 200cm respectively. With these bunks this cab is only suitable for occasional rest.
- The Long Sleeper cab has one of the most comfortable bunks in its class, with a fixed single piece sprung mattress. Dimensions are 13.5 x 78 x 200cm.

240



-340



A WIDER, MORE POWERFUL ENGINE RANGE

Volvo FE for truck performance

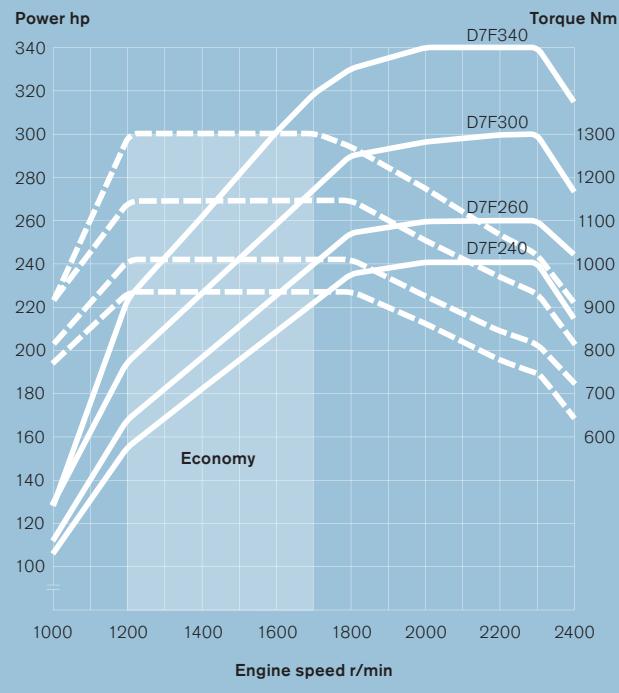
One of the most important goals in the development of the Volvo FE was to give the truck first-class driveability. That is why the Volvo FE is equipped with the Volvo D7F – a high-torque, highly responsive common rail engine with a displacement of 7.2 litres. It is now available with 240, 260, 300 and 340 hp, so you have even better scope for optimising your Volvo FE to suit its task. This high torque from low revs, delivers as much as 1300 Nm across a wide rev range 1200–1700 rpm. The Volvo D7F is alert and responds instantly to the throttle, enabling you to quickly reach cruising speed and maintain progress in high gears even on steep inclines. With the Volvo FE you can maintain a higher average speed and get more done in a shorter period, at the same time your progress is easier and more comfortable. The fact that the Volvo FE is a weight-optimised and highly fuel-efficient is yet another plus for your profitability.

Saves fuel and the environment

The Volvo D7F is certified according to Euro 5. Thanks to the engine's efficient combustion, emissions of particulates are minimised at the same time as the energy in the fuel is utilised. In order to reduce oxides of nitrogen, the exhaust gases are treated with the help of Selective Catalytic Reduction (SCR). With this technology, a mixture of urea and water known as AdBlue is injected into the exhaust gases, to form ammonia, this then reacts with oxides of nitrogen in the catalyst, converting them into harmless nitrogen gas and steam. AdBlue is stored in a 70 litre tank located beside the fuel tank.

Volvo D7F Power/Torque

Net output according to: ISO 1585, Dir. 89/491/EEC, ECE Reg85



With the Volvo D7F you can always optimise your truck for the job.
Choose between 240, 260, 300 and 340 hp.



VOLVO D7F • facts

- In-line 6-cylinder 7.2 litre diesel engine with turbocharger and intercooler.
- Common-rail technology.
- Power outputs and torque:
 - 240 hp at 2300 rpm,
 - 940 Nm at 1200–1700 rpm.
 - 260 hp at 2300 rpm,
 - 1010 Nm at 1200–1700 rpm.
 - 300 hp at 2300 rpm,
 - 1160 Nm at 1200–1700 rpm.
 - 340 hp at 2300 rpm,
 - 1300 Nm at 1200–1700 rpm.
- Economy revs 1200–1700 rpm.
- Available at Euro 5.
- Exhaust brake producing 130 kW at 2800 rpm, optional engine brake producing 188 kW at 2800 rpm.
- Possibility of engine-mounted power take-off, 600 Nm at 800–1200 rpm.
- Oil-change interval up to 100,000 km or once a year depending on application.

The excellent driveability comes not only from our new engine. A wide range of matching gearboxes and rear axles optimised for different application areas make sure that the power is transmitted smoothly and gently, and with minimum losses.

VOLVO FE • Facts driveline

Gearbox

Model	Type	Speeds	Engine
ZTO1006	Manual	6	240/260 only
ZTO1109	Manual	9	240/260/300
AL306	Automatic*	6	240/260/300
STO1309	Manual	9	340

* Automatic available with optional integrated retarder

Rear axles

Model	Type	Reduction	Axle Load	GCW
RSS				
1332A	Solo	Single	13 tonne	32.5 tonne
RSS				
1344C	Solo	Single	13 tonne	44.0 tonne
RSH				
1370HV	Solo	Hub	13 tonne	N/A
RTH				
2180C	Tandem	Hub	21 tonne	N/A
RTS				
2370A	Tandem	Single	23 tonne	

Tag axle: Volvo FE with 6x2 is available with a rigid or electro-hydraulically steered tag axle.

* GCW = Gross Combination Weights

* N/A = Not Applicable

Power take-off

The Volvo FE can be specified with a wide range of engine or gearbox-driven power take-offs for flange mounting or direct connection of a hydraulic pump.





EVERYONE GAINS FROM SAFETY

Safety first, as always. Volvo makes some of the world's safest trucks. There are several reasons why we give safety such high priority. Apart from the fact that we are naturally concerned about people's lives and health, high safety also contributes to increased profitability for our customers. Even small road accidents can be very expensive as a result of driver injury, delayed deliveries, costly repairs and high insurance premiums. If you want to reduce your risks, you should choose a truck built for safe, problem-free and profitable transportation.

A truck like the Volvo FE.

Electronically controlled disc brakes (EBS). The Volvo FE is equipped with the latest-generation electronically controlled (EBS), ventilated disc brakes, featuring a number of comfort and safety-enhancing functions. Combined with disc brakes the standard EBS system ensures rapid response and the shortest possible braking distance. EBS is available at three levels: Standard EBS,

EBS⁺ and High, all have additional safety features.

EBS⁺ system. Includes "Hill Hold" this is an additional safety function that prevents the vehicle from rolling backward, when starting on an incline, by holding the vehicle on the service brakes until sufficient torque is delivered. The EBS⁺ system also includes traction control, continuous monitoring of brake pad conditions and temperature.

High. Includes all the features listed in EBS⁺ and the Electronic Stability Program (ESP). If the truck shows any tendency to lose contact with the road surface, the brake system is automatically activated. Each wheel is braked individually to stabilise the vehicle at the same time power to the drive wheels is restricted. This brings about better control on a slippery surface, rolling over in a bend or during an

emergency avoidance manoeuvre. ESP is only available for the Volvo FE as solo rigid; it cannot be combined with a drawbar trailer.

Brake Blending. With the Brake Blending function activated, the wheel brakes, engine brake and retarder are all engaged via the brake pedal. When the brake pedal is pressed, the wheel brakes are first activated, after which the





auxiliary brakes are activated and take over in order to reduce disc and brake pad wear.

Engine brake. The Volvo FE is available with an exhaust brake or an optional engine brake. The latter's braking effect is 188 kW at 2800 rpm. The automatic transmission is available with an optional an integrated retarder.

World class cab safety. The Volvo FE has been designed and tested to comply with Swedish impact tests which are the world's toughest collision tests. It is fitted as standard with a three-point seat belt, a deformable steering wheel, interior trim in energy-absorbing material, injury-preventive pedals and fire-resistant textiles.

Clear visibility in every direction. Large rear-view mirrors, a generous field of vision and well-placed optional windows in the doors and behind the seats (medium cab only) provide good all round visibility.

Other road users are protected by **Front Underrun Protection**. The sturdy three-part bumper has been designed for easy repair, the middle section is made of plastic and the corners are made

of steel. The front under-run protection system (FUP) is integrated into the bumper and is designed to collapse by absorbing energy on impact, thus protecting occupants in cars. A tested and EU approved rear underrun (RUP) is available as an option.

Immobiliser and alarm. The Volvo FE is available with a Volvo Immobiliser, or Immobiliser and alarm, the alarm is operated by remote control.

18761

A large white semi-truck cab and trailer are parked in a warehouse. The truck is positioned diagonally, facing towards the top left. The background shows the interior of the warehouse with its characteristic corrugated metal walls and ceiling. The lighting is bright, coming from overhead fixtures.

OWNERS



ALLOW US TO CONFIGURE YOUR TRUCK. TAKE A LOOK AT THE MENU.

The Volvo FE is whatever you need

The Volvo FE is available as an:

- 18 tonne 4x2 rigid with rear steel or air suspension, the air suspended models are available with standard (1000mm), medium (900mm) or low (850mm) height chassis.
- 26 tonne 6x2 rigid with air suspension, this model is available with either fixed or hydraulic steered tag axle. All models are available with standard (1000mm), medium (900mm) or low (850mm) height chassis.
- 26 tonne 6x4 rigid with B ride parabolic two spring bogie, this model is only available with standard chassis height as it is intended for light construction.

The chassis range is broad enough to allow you to specify your truck to suit your particular needs. A range of wheelbases, axle capacities, chassis heights, two frame heights, two frame thicknesses and several combinations of suspension systems mean you get a well-dimensioned chassis optimised for its purpose and well-prepared for bodybuilding.

Specialist advice is available from Sales Engineering Team based at Warwick whilst detailed bodybuilding instructions are available at <http://vbi.truck.volvo.com>

Load and unload

A simple new two bag air suspension system with a wide adjustment range provides both high load comfort and efficient loading and unloading. The chassis height can be raised or lowered to facilitate loading or unloading, be it swapping bodies or reversing up to a loading bay. The air suspension comes with an all-new, ergonomically designed remote control.



VOLVO FE • Facts

Frame

Section heights:

High 300mm. Low 266mm.

Frame Thicknesses: 7 or 8 mm.

Front axles

Three axle loads: 7.1; 7.5 and 8.0 tonnes.

Wheelbases

Wheelbases available from 3200 to 6800mm.

Suspension

Front axles: parabolic springs with optional air suspension on 4x2 and 6x2 models.

Rear axles: Standard parabolic springs on 4x2 and 6x4 B-ride. Standard air suspension on 6x2. Optional air suspension on 4x2.

Chassis heights

Low (850mm); Medium (900mm);

Standard (1000mm).

All dimensions are nominal measured from the ground.

Air Production Management (APM)

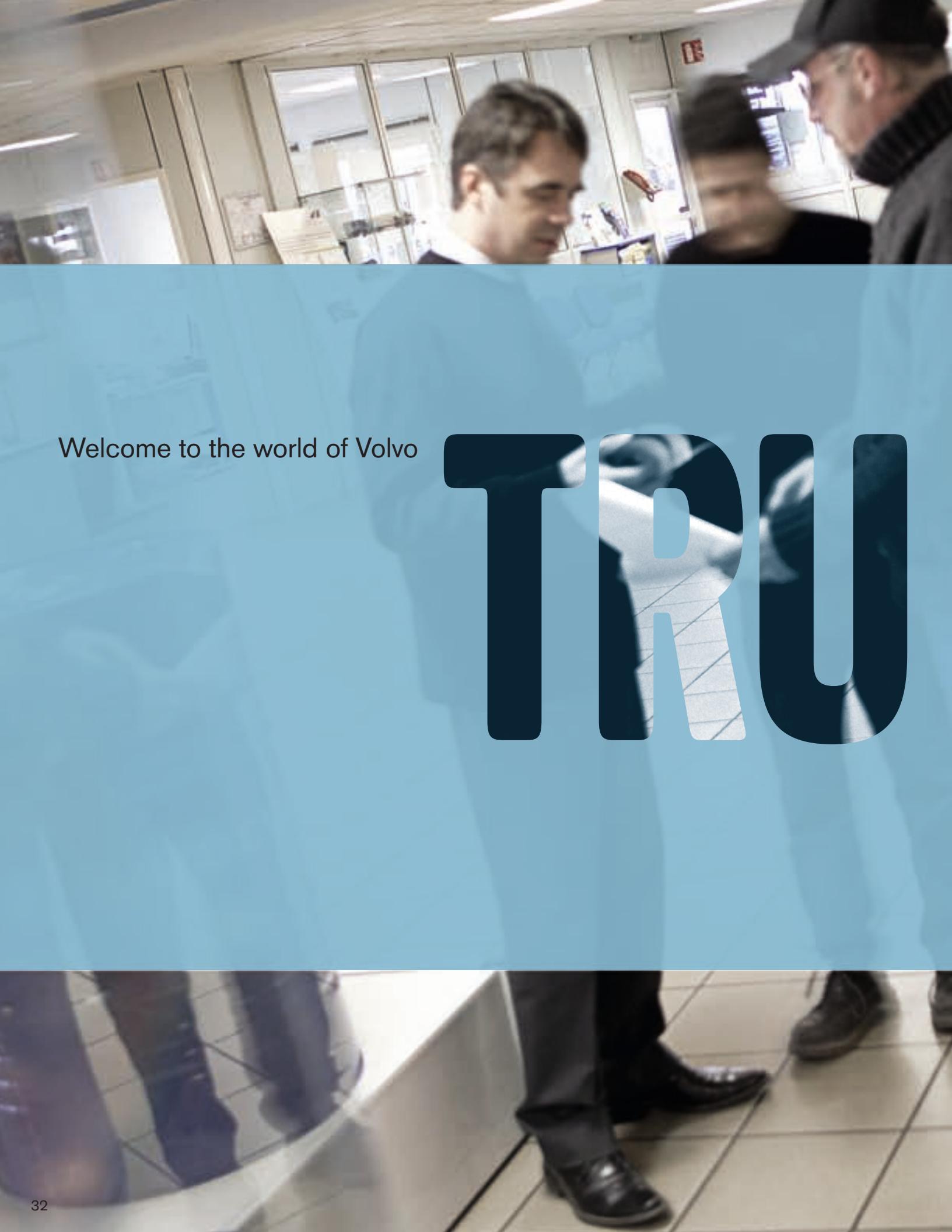
For regulation and monitoring of all pneumatically-powered functions.

Fuel tanks

Available in plastic, steel and aluminium, with volumes from 160 to 830 ltr.







Welcome to the world of Volvo

TRU



You take care of your business, we take care of your truck. If you choose Volvo, you not only gain access to the right trucks and the right services, you also get a business partner who ensures that you get the right combination of the two. Volvo Trucks has one of the UK and Ireland's widest networks of dealers and workshops, with a large and flexible range of services developed so you are free to focus entirely on your core operations while we take care of your truck. Welcome to the world of Volvo Trucks.

Let us take care of your truck. Genuine Volvo Service

Preventive maintenance. Your customers rely on you and on your trucks. And you can rely on Volvo Trucks. We know exactly what service your truck requires and when it needs it to perform at its best with trouble-free, economic operation year after year. At the Volvo workshop we have in-depth expertise and thorough product knowledge as well as the special tools and Genuine Volvo Parts needed to keep your Volvo FE in optimum condition.

Individual service plan. Based on how each individual truck is used and the everyday conditions of your operation, we create an individual service plan. It's an important key to cost-effective maintenance, giving you maximum vehicle

uptime with well-planned workshop visits. We take care of your service planning so you are free to concentrate on your core operation. When it is time to service your truck, we contact you and book a suitable time. After the service, you get a comprehensive report listing the work undertaken and what needs to be done the next time the truck is in for service.

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.

Simpler, safer and more convenient. Volvo Service Contracts

Maximum uptime and full control over costs. If you choose any of the Volvo Trucks service contracts we'll see to it that your truck is always in top condition, at a fixed predetermined monthly fee, the following types of contracts are available:

- **Volvo Blue Contract:** Preventative Maintenance
- **Volvo Silver Contract:** Preventative Maintenance and Driveline Repairs
- **Volvo Gold Contract:** Full Repair and Maintenance.

The base services included in each contract can be extended with a variety of options, allowing you to create a solution that is exactly suited to your particular 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.

Make sure your Volvo remains a Volvo. Genuine Volvo Parts

Genuine Volvo Parts are the very same parts from which your Volvo truck was originally built. In other words, they are a guarantee that your truck will retain its original characteristics. Genuine Volvo Parts can be ordered either at your dealer or via

Parts Online and come complete with a two year guarantee. For more information, please contact your dealer.

Financing from a partner who understands your operation

Through Volvo Financial Services we can always offer you an attractive financing solution tailored to suit your operation, by a partner who genuinely understands your business needs. We offer the regular truck loan and various forms of leasing.

Finance Lease: Means that you buy the truck on a hire-purchase basis.

Operational Lease: Means you hand the truck back at the end of an agreed lease period. Volvo also offers various types of advantageous **insurance** tailored to suit local conditions.

The driver in focus

A good driver is a key to high productivity. The way the driver treats his vehicle has a major effect on fuel consumption, wear and tear, and uptime. That is why Volvo Trucks is

focusing increasingly on continuous driver training. Your dealer will be happy to tell you more.

Discover your full potential. Dynafleet Online

Dynafleet Online is one of the market's most comprehensive systems for transport information, always available via any computer with an Internet connection. Dynafleet Online gives you up-to-date information about your vehicles, drivers and

transport assignments. Which in turn gives you new potential for streamlining your operation, reducing your fuel costs and increasing your profitability.

VOLVO FE HYBRID

Significantly reduced fuel consumption, far lower emissions and the possibility of covering short distances virtually soundlessly. There you have the Volvo FE Hybrid in a nutshell, an innovation intended for efficient, environmentally optimised distribution and refuse handling.

A close-up photograph of a car's front grille. The grille is a light blue color. In the center, there is a badge with the letters "FE HYBRID" in a stylized, three-dimensional font. The badge has a metallic or chrome-like appearance with a slight gradient. The background shows the dark, curved lines of the car's hood and the top edge of the grille.

FE HYBRID

SOON ON A STREET NEAR YOU

The Volvo FE Hybrid has been developed for you if your business is focused on being environmental, lowering fuel costs, whilst at the same time operating a truck with exceptional driveability. The Volvo FE Hybrid will start series production towards the end of 2009 and will be gradually introduced to the European markets over the next 3 years.

A conventional truck with a highly unconventional driveline

So what kind of truck is the Volvo FE Hybrid exactly? Put simply, it is a conventional-looking Volvo FE with an unconventional driveline. This hybrid model features both a diesel engine and an electric motor that can be used either separately or together. Their operation is automatically optimised so that each power source works in conditions where it is most efficient. The electric motor at low revs and the diesel engine at higher revs. This considerably reduces both fuel consumption and emissions.

Economical and climate-smart

Just how much fuel is saved compared with a conventional Volvo FE depends on the application area. For a distribution truck, fuel consumption can drop by 15 to 20 percent, depending on the driving conditions. For a refuse truck, consumption may drop by about 20 percent and in some circumstances by as much as 30 percent*. Emissions of climate-impacting carbon dioxide are in direct proportion to fuel consumption, so they are reduced by the same degree. Other emissions too, such as particulates and nitrogen oxides, are far lower than for a conventional Volvo FE with a Euro 5 engine.

Clean and quiet

When starting, idling and accelerating up to about 20 km/h, the Volvo FE Hybrid is powered only by its electric motor. This means that operation is virtually noiseless and exhaust emissions are non-existent. It is also possible to manually select electric power, for example when loading and unloading or when driving in a garage or other indoor area.

Fantastic driveability

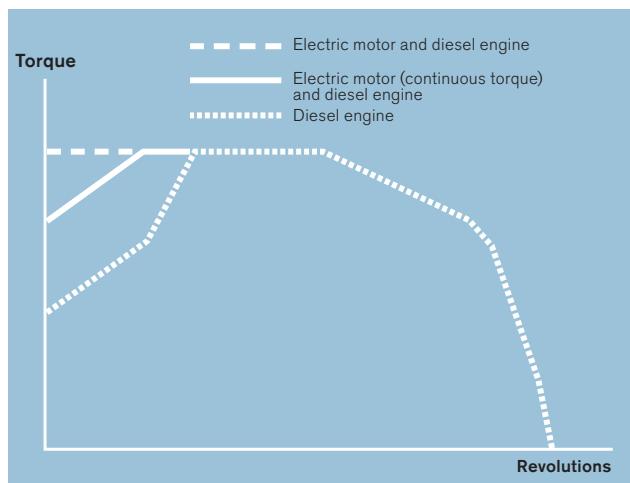
Driving a Volvo FE Hybrid is a true pleasure. The electric motor provides maximum torque straight from start. What is more, you get precise and uniform response to the throttle. The system automatically selects the drive source as conditions dictate.

A reliable solution

The Volvo FE Hybrid is what is known as a parallel hybrid. It is a robust and dependable solution that meets the very same high demands on reliability as our regular diesel-powered trucks. The word "parallel" refers to the fact that the electric motor and diesel engine can be used independently of one another. In the event of any disruption to one of the systems, the other will not be affected.

The drive pack in the Volvo FE Hybrid consists of:

- Volvo D7F diesel engine with 300 or 340 hp, approved according to Euro 5.
- Automated gearbox.
- Clutch (no clutch pedal).
- Integrated 120 kW electric motor/alternator 120 kW (I-SAM).
- Energy converter.
- Batteries, lithium-ion.
- Control unit.



*Refers to a refuse truck equipped with a compactor powered by its own battery that is recharged overnight – known as a plug-in solution.

For gross vehicle weight of 26 tonnes

The Volvo FE Hybrid has been developed for distribution and refuse handling operations involving weights of up to 26 tonnes. That alone makes the truck entirely unique.



Full power from start

When the driver turns the starter key, the electric motor switches on and delivers full torque from standstill. At speeds above 20 km/h, the diesel engine takes over. When the truck is powered by the diesel engine, the surplus energy goes back to the electric motor/alternator and the batteries are recharged. When the brakes are applied, the electric motor/alternator functions as an auxiliary brake and retardation energy that would otherwise be wasted is instead used to charge the batteries.



CUSTOMISE YOUR TRUCK. VOLVO TRUCK ACCESSORIES.

With Genuine Volvo Accessories, your truck becomes even better. Our range of accessories includes equipment designed to make your work more efficient, safer and more comfortable.

Dynamo torch



Cooling bag



Aerodynamic wheelcovers



SAFETY

Work-light

Helps you work safely in the dark. The work-light is fitted on the cab roof.

Rotating warning beacon

An important safety detail if you are working in or close to traffic. Rotating warning beacons can be simply mounted directly onto the roof.

Foglights

Foglights are installed low down in the bumper corners and light up the road below the level of the fog.

Fire extinguisher

Conveniently located and easily accessible, mounted next to the driver's seat.

Smoke detector

Optical smoke detector that alerts the driver in the event of smoke or a fire.

Exterior sun-visor

Contributes to better visibility in the face of oncoming light, for instance when the sun is low on the horizon.

Roof-mounted air horns

Twin pneumatic air horns, which give out a very powerful signal.

Backup camera system

Helps the driver to easily and safely manoeuvre the vehicle when there is limited visibility.

PERSONALITY

A complete range of practical accessories that make life in the cab more comfortable. Includes items such as a sleeping-bag, flashlight, shaving mirror, bags and other storage equipment.

Seat covers

Seat covers in fabric or vinyl keep the seats clean even in dirty working environments.

Night heaters

Volvo has a comprehensive range of systems for heating the truck. When the vehicle is stationary the diesel driven night heater offers high output with low fuel consumption.

Rubber mats

Protect the floor's standard mats in both the driver's and passenger's foot well.

Seat belt extender

The seat belt extender is connected to the regular seat belt buckle and lengthens the belt by 183 mm.

Writing pad

The writing pad is placed on the steering wheel and makes it easier to sign documents inside the cab.

Mobile phone holder

Sun-visor

The cab is equipped as standard with three internal sun-visors for the windscreen. Side sun-visors are available as an option.

EFFICIENCY

Air deflectors

Air deflectors for roof and cab sides reduce drag, and improve fuel consumption.

Navigation systems

Electronic maps that help the driver to quickly and easily find the best route.

COMFORT

Armrest on passenger's side

The armrest is fitted to the inner side of the passenger seat.

Open storage box - rear

Practical and spacious open storage box that is fitted behind the passenger's seat inside the medium cab.

Tall storage box on the engine tunnel

Very spacious, lockable storage box on the engine tunnel, intended for medium cabs without a rest bunk. On top of the box there is an additional compartment with a lift-up cover.

Storage box on engine tunnel

Practical storage box on engine tunnel intended for the short day cab. The upper surface is flat and forms an excellent writing surface.

Open storage box

Open storage box for the long sleeper cab. This storage box features one larger compartment and a smaller one in the front. Fitted on the engine tunnel against the rear cab wall.

Low storage box on engine tunnel

Lockable storage box on the engine tunnel for the long sleeper cab in combination with the two-part rest bunk. The pullout drawer has space for transport documents and other items.

Refrigerators/heater boxes

Available both as compressor cooler and thermo-electrical cooling system. Available in a range of sizes and models to suit all requirements.



AdBlue filler caps

BELIEVE YOUR EARS. VOLVO AUDIO SYSTEM.

At last you can really enjoy your music when you're driving your truck. The Volvo Audio System has been designed to suit the truck cab's acoustic properties. And as if this were not enough, the system also has a number of smart features that enrich your life behind the wheel. Just listen to this:

Play what you want

With the Volvo Audio System, you can play both regular CDs and recordable disks in MP3, WMA and WAV format.

Plug in, chill out

If you have your favourite music on a USB memory stick, you can plug it into the audio system. You can also hook up other external equipment such as a laptop or palmtop via the AUX socket.

All your music wherever you are

You can connect your iPod and get immediate access to your entire music collection.

Stay in touch

Connect your mobile phone to the audio system via Bluetooth. See incoming calls displayed in the instrument panel, reply using the steering wheel controls, listen via the cab's loudspeakers and talk while you drive.

Three variants

The Volvo Audio System is available in three variants: Audio Base, Audio Medium and Audio Advanced. Read, choose and get ready for fantastic audio.





VOLVO FE • Volvo Audio System

	Audio Base	Audio Medium	Audio Advanced		Audio Base	Audio Medium	Audio Advanced
Sound systems							
Audio CD	●	●	●	Connections and interfaces			
CD-R/CD-RW		●	●	Low-level input, 4 channels	●	●	●
MP3/WMA/WAV		●	●	3.5 mm stereo line input			●
CD text	●	●	●	USB connection			●
Speed-dependent volume control		●	●	iPod interface			●
Mute functions	●	●	●	Bluetooth			●
				Wireless remote control			●
Radio							
FM/AM antenna	●	●	●	Loudspeakers			
FM stations	12	18	18	Number of loudspeakers	2	2	2
AM stations	6	6	6	Output	2x20 W	2x20 W	2x20 W
RDS	●	●	●				
Traffic information	●	●	●				

VOLVO TRUCKS. DRIVING PROGRESS



VOLVO

Volvo Truck Corporation

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