



# VOLVO FH16

**VOLVO**  
Volvo Truck Corporation  
volvotrucks.com









THE VOLVO FH16

**Evolution**  
*by* **Volvo Trucks**





# Ready for your challenges.

*The Volvo FH16 is more intelligent and more efficient than it's ever been. A perfect combination of power, comfort and reliability. It's your partner and an extension of yourself at the same time. Your workplace. Your bedroom. Your office. Because you need the best.*

Find out more at your local dealer

WHEN YOU NEED POWER

# The benchmark.

*For drivers tackling the heaviest of challenges or when they just need the power, the Volvo FH16 has been the obvious choice for decades. And it's been made more powerful and refined with each new generation. That's evolution. Now it's taking the next steps to make your operations even better.*

The Volvo FH16 is a new truck. The look is familiar – but the shapes are smoother and the headlamp character is more distinct. And this is just a hint about the changes that have taken place underneath the surface. The new Volvo FH16 is more refined, efficient and safe. And it can do more than it ever could.

The aerodynamics has been improved and the headlamp

functionality has been expanded for your safety. As soon as you get into the driver's seat – before you've even started the engine – it's clear that this is a completely new driver interface, made to put you in charge. And as soon as you're out on the road you'll recognize the trademark power delivery of the Volvo FH16 powertrain.







Everything is  
designed for a  
reason.





## EXTERIOR DESIGN

# Evolution before your very eyes.

*Power, comfort and reliability combined to perfection – that's what the Volvo FH16 is all about. When you see the latest leap in evolution for yourself, it's more obvious than ever.*

The aerodynamic shape of the cab. The iconic headlamps that pack more performance and intelligence than ever. The silver grille. The lines that embrace the front corner and stretch backwards to accentuate all the power and efficiency built in. Everything's there for a reason. It's clear that this truck can take on the heaviest tasks. And do it with ease. It lets you be a

dependable partner who keeps your promises and exceeds the most ambitious goals. It paves the way for profit and prosperity. And you're able to return home safe and secure when the job is done. Over and over again. That's evolution in service of a long-term goal.



THE INSIDE THAT WORKS

# Exactly what you need. Where you expect it.

*Hands on the wheel and eyes on the road – that was the mantra for the design team behind the driver interface. We put extra effort into the interface precisely so you don't have to pay it too much attention.*

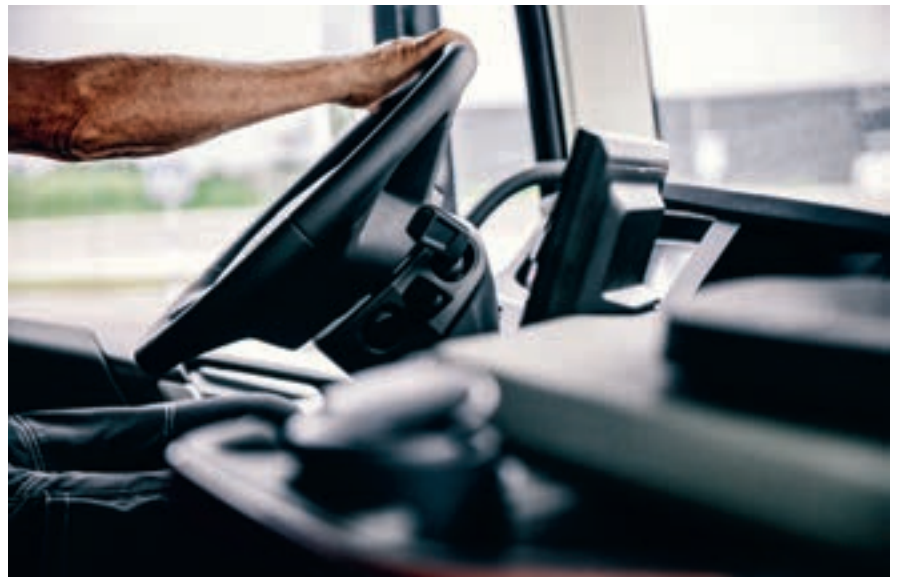
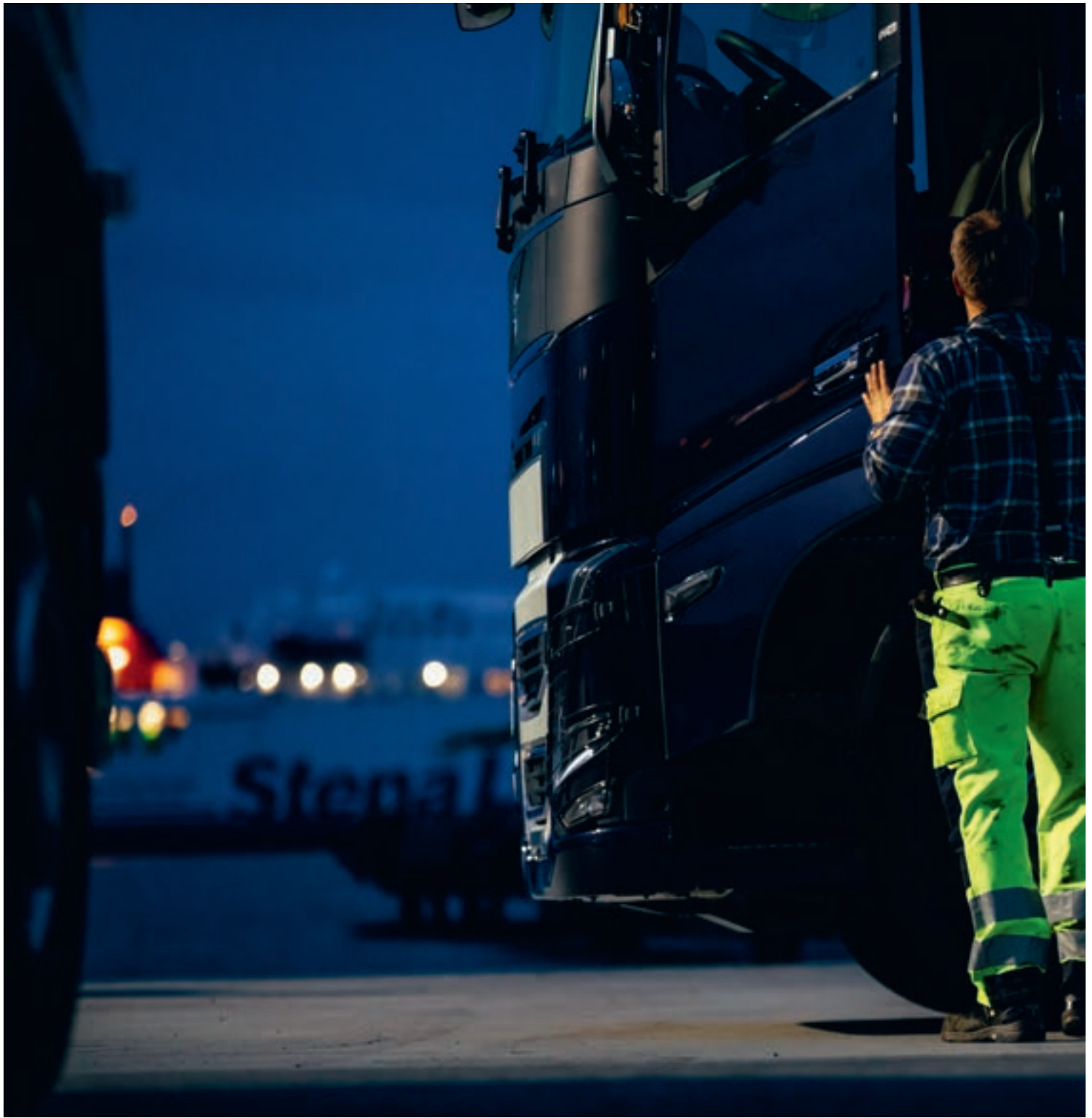
Have a seat, and your right hand naturally lands on the next generation I-Shift gear lever. The neck tilt function gets the steering wheel in your favourite position. The instrument cluster lights up – with an instrument display that is all digital and fully dynamic. The driver interface is adaptable and optimised for every situation – whether you're doing your daily check, going at full speed on the highway or pulling away with a heavy load on a slippery surface.

In the instrument display, you'll have a detailed view of the load distribution on your axles. If you need more traction – simply turn

the control in the traction control panel clockwise to engage diff lock functions, and you'll see the exact status of each diff lock in the instrument display. Most of the truck's functions are controlled using steering wheel controls – evolution has come a long way. To your right, the side display gives you access to media functions, communication and apps. Everything is intuitive, adaptable and accessible, exactly the way you expect it to be. So that you can focus on your job.







Room service  
not included.





HOME AWAY FROM HOME

# We upgraded you to a master suite.

*If you spend a lot of time in your cab why settle for less than the best?  
The Volvo FH16 cab offers a unique experience with the kind of space, comfort  
and attention to details you'd expect from such a top-of-the line model.*

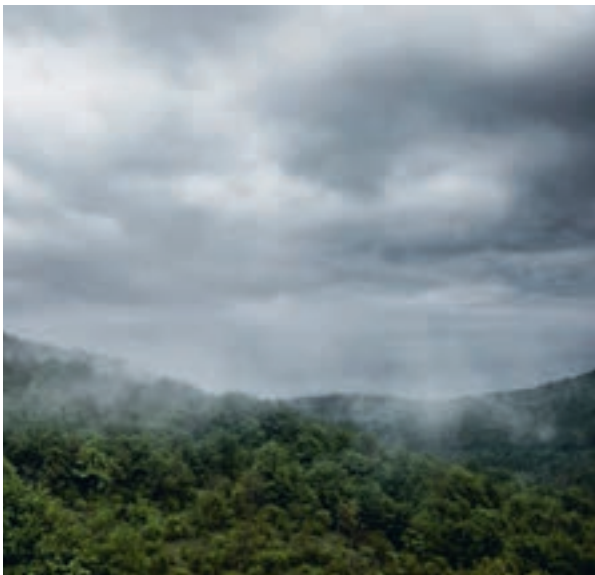
The Volvo FH16 has always played in a league of its own, and the latest leap in the evolution is no exception. It's born of a proud legacy of comfort and safety for resting and overnight stays. Choose from five different cab sizes – they all offer plenty of space for you and your gear.

You can get full standing height, plenty of storage and either one or two beds. The Volvo FH16 interior trim is unique. Materials and features are elevated to the next level of refinement. A wide and comfortable bed with either a pocket spring mattress or a pre-

mium foam mattress ensure a good sleep. If your truck is parked on a slope, you can adjust the bed to compensate to improve sleeping comfort further. And when you need to get your rest in broad daylight, just draw the blackout curtains.

Do you use a lot of onboard equipment for comfort, communication and entertainment? With the dual battery system, you'll have all the power you need for both your comfort and your uptime.

Room service isn't included, however.



YOUR PRODUCTIVITY

# Let's get some serious work done.

*The Volvo FH16 is loaded with features that are there to let you do more with less effort and in less time. We tailor your truck to your needs and your assignments.*

Your transport solution needs to balance parameters like speed, power, load capacity, fuel efficiency, agility, traction and more to suit your assignments. The Volvo FH16 is more than ready for this balancing act.

The heart of the Volvo FH16 is of course the powerful D16 engine. Up to 750 hp and 3550 Nm at your command. Still it's no roaring beast – it offers plenty of torque at low revs and can drive as smooth as silk when you need it to. The I-Shift changes gear at the exact right moment, and the I-Shift driving modes are even easier to use. The I-Shift with crawler gears lets you start easily with massive loads, crawl slowly and use fuel efficiently at high speeds. With the Volvo FH16, you can easily keep up a high average pace even in the hillest terrain.

What would it mean for your productivity if you could put an

extra tonne on each axle? Or have a bogie that could take on 38 tonnes? The air suspended front axles on the Volvo FH16 can take up to 10 tonnes of load each, giving you more flexibility and load capacity. And that leaf suspended bogie installation takes up to 38 tonnes without strain.

To make manoeuvring with heavy loads less tricky, we've given the tag and pusher axles increased steering angles. This will improve your manoeuvrability and lead to less wear on your tyres. The Tandem Axle Lift also lets you lift one axle when you need to. It gives you the traction and load capacity of two axles – with the agility and fuel efficiency of one.

On top of that, the Volvo FH16 offers a wide range of connected services within fleet management and uptime so you can maximise the utilisation of your trucks.







The Volvo FH16 is more than ready.









**Power, comfort and  
reliability in perfect  
combination.**





YOUR FUEL EFFICIENCY

# It's what you get out of it that counts.

*Your truck is a magic machine. In your hands, it turns valuable fuel into transport and a profitable business. And the Volvo FH16 makes sure you get the most out of every drop.*

Fuel consumption figures tell you some things about fuel efficiency. But they don't give you the full picture of the productivity you get out of every drop. The Volvo FH16 is as powerful as a truck gets, but it's also very efficient. Everything from the aerodynamic cab and the powertrains to the Fleet Management services are engineered to save fuel without compromising performance.

The Volvo FH16 powertrain delivers the level of performance that lets your truck manage challenges other trucks can't.

On top of that, it also manages assignments that others can't – but with far less effort. Meaning you can choose drive axle ratios that lower revs and fuel consumption at cruising speed. If you want to run lean, you can get a single reduction tandem drive that handles up to 100 tonnes (GCW). Take a look at the I-See if you want to make it even easier to be fuel-efficient. It optimises your speed and gear changes according to the topography of your routes. It will make your Volvo FH16 even more fit for your operation.



## YOUR SAFETY

# In charge. With backup.

*We want you to be in complete control of your truck. Still, we want to help keep you safe at the same time. And if anything should happen, we want you well protected. So we built a whole lot of safety into the Volvo FH16.*

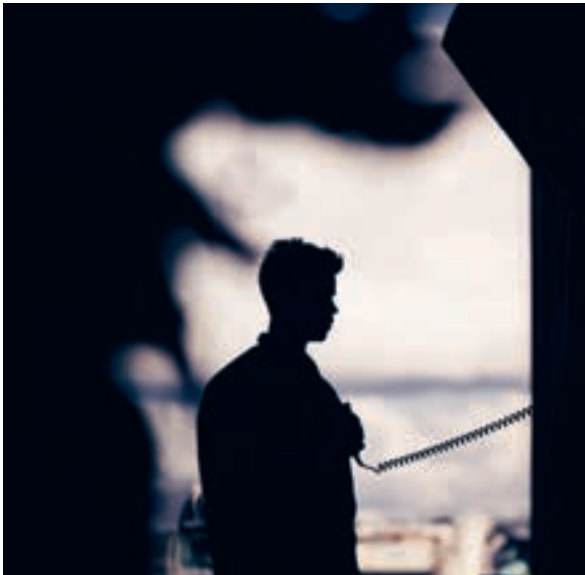
The visibility from the driver's seat in the Volvo FH16 is hard to beat in this class of trucks. Generous window areas, optimised mirror design and a passenger corner camera that covers the area close to the truck on the passenger side. In total, up to eight cameras can be connected – to optimise the view for your application. The adaptive high beam offers excellent visibility while still caring for other road users. The Adaptive Cruise Control with stop and go makes driving on busy highways more relaxed. The downhill cruise control utilises the auxiliary brakes to keep down speed and engages the wheel brakes only if needed.

Support systems like Collision Warning with Emergency Brake and Volvo Dynamic Steering with Stability Assist and Lane Keeping

Assist offer a helping hand in situations that could otherwise have been disastrous. They're not there for comfort, they're safety functions that step in to correct and keep you within your intended margins. Through Dynafleet Safety, you can identify improvement potentials.

If an accident should occur, you're sitting in what could be the most protective cab in the transport industry. One that exceeds legal safety requirements. You're well guarded.

Safety is at the core of everything we do. For more than 50 years, we've had our own accident research team and know how to take a holistic approach to safety. It's all built in there.













## YOUR UPTIME

# Ready when you are.

*Load, drive and deliver on time. It's the time you use your truck that counts.  
We built the Volvo FH16 to be ready when you're ready and avoid unplanned stops.  
And you can tailor the support to match the beat of your business.*

A durable truck is the foundation of maximised uptime. The Volvo FH16 is built to never let you down – all the way from our designs and the materials we choose to the solutions that we offer ensure you can keep on going. A heavy-duty bumper that won't break. A dual battery system that secures your startability even if you use a lot of onboard equipment when staying over in the cab. It all works for your uptime.

Eventually, components and systems get worn even on a Volvo truck. The Volvo FH16 can communicate remotely with the workshop to say how it's doing so that service and repairs can be planned according to your actual operation. By doing so,

you can swap unplanned stops for scheduled actions that require less time in the workshop and lower costs for you.

The best way to maximise your uptime is a Volvo Gold Contract that includes all the service and repairs needed at a fixed monthly cost. The Flexi-Gold version follows the same concept but the fee is tied to your monthly actual mileage. If your mileage drops, so do the costs for service and repairs. This is a suitable choice if the intensity of your business varies over the year. And you'll always have a truck that's ready when you are.

Check out [volvotrucks.com](http://volvotrucks.com) or talk to your dealer to tailor the services for your needs.









An aerial photograph of a vast, dense forest. The foreground shows a cleared area with a dirt road and some scattered trees, suggesting a logging operation. The middle ground is filled with a thick canopy of green trees, and the background shows a distant horizon under a cloudy sky.

THE VOLVO FH16

**Facts. Choices.  
Accessories.**



EURO 5

# Tailoring your Volvo FH16.

*This is just a hint of all the choices you have when tailoring your Volvo FH16 to your needs. The full specifications and all possible options are available at your local Volvo dealer or at [volvotrucks.com](http://volvotrucks.com)*

## Cabs



Low sleeper cab



Sleeper cab



Globetrotter cab



Globetrotter XL cab



Globetrotter XXL cab



## Engines Euro 5

16 LITRE	Max power	Max torque
D16G540 (397 kW)	540 hp at 1450–1900 r/min	2650 Nm at 1000–1450 r/min
D16G600 (441 kW)	600 hp at 1500–1900 r/min	2800 Nm at 1000–1500 r/min
D16G700 (515 kW)	700 hp at 1550–1800 r/min	3150 Nm at 1000–1550 r/min
D16G750 (551 kW)	750 hp at 1600–1800 r/min	3550 Nm at 1050–1400 r/min

## Gearboxes Euro 5

### 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)
AT2812F	Direct	2800	60
ATO3112F	Overdrive	3150	100
ATO3512F	Overdrive	3550	100

## Tractor axle configurations



## Rigid axle configurations



● = Drive axle.

⊙ = Non-driven axle (tag, pusher or front axle).

Here's a small selection of specifications – but there are more to choose from.  
Ask your Volvo dealer or visit [volvotrucks.com](http://volvotrucks.com) to learn more.

EURO 3

# Tailoring your Volvo FH16.

*This is just a hint of all the choices you have when tailoring your Volvo FH16 to your needs. The full specifications and all possible options are available at your local Volvo dealer or at [volvotrucks.com](http://volvotrucks.com)*

## Cabs



Low sleeper cab



Sleeper cab



Globetrotter cab



Globetrotter XL cab



Globetrotter XXL cab



## Engines Euro 3

16 LITRE	Max power	Max torque
D16C550 (405 kW)	550 hp at 1600–1700 r/min	2500 Nm at 1000–1500 r/min
D16C610 (449 kW)	610 hp at 1600–1700 r/min	2800 Nm at 1000–1500 r/min

## Gearboxes Euro 3

### I-SHIFT

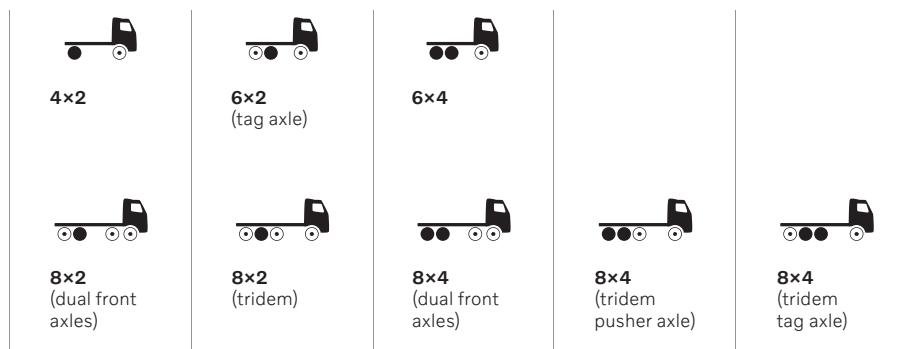
12-speed splitter and range gearbox with automated gearchanging system. The version with dual clutch (SPO2812) enables rapid, seamless and comfortable powershifting. The version with crawler gears facilitates easy operation with GCW up to 325 tonnes.

Type	Top gear	Engine torque (Nm)	GCW approval (tonnes)
AT2842F	Direct	2800	60
ATO3112F	Overdrive	3050	100
ATO3512F	Overdrive	3550	100

## Tractor axle configurations



## Rigid axle configurations



● = Drive axle.

⊙ = Non-driven axle (tag, pusher or front axle).

Here's a small selection of specifications – but there are more to choose from. Ask your Volvo dealer or visit [volvotrucks.com](http://volvotrucks.com) to learn more.





ACCESSORIES

# Your truck. Your way.

*The Volvo FH16 isn't really complete until you're behind the wheel – with all the gear and functionality you need for your work and life on the road. We have the accessories you need to fully outfit your truck the way you want it. Your way.*

Look closer at [volvotrucks.com](http://volvotrucks.com) or  
talk to your dealer about how to really make it yours



# 7 reasons to choose the Volvo FH16.

*Power, comfort and reliability in perfect combination.*

**1 THE MASSIVE POWER.** The D16 engine packs a punch, with up to 750 hp and 3550 Nm of torque. Imagine what that does for driveability. You'll be able to climb uphill with heavy loads at speeds you'd never imagine possible.



**2 THE LOAD CAPACITY.** Made for the heavy and extreme assignments, the Volvo FH16 can be built to handle gross combination weights up to 325 tonnes. The air suspended front axles can take up to 10 tonnes each. A new tandem drive with single reduction enables efficient pulling of combinations up to 100 tonnes. And if you really need to maximise the load, there's a leaf suspended bogie that takes a full 38 tonne bogie load.

**3 VOLVO DYNAMIC STEERING.** Get effortless steering and full control in the same package. Volvo Dynamic Steering offer excellent manoeuvrability both forward and in reverse. On top of that, you also get assistance to avoid skidding. And it even offers remote steering control to make life easier when some of your work is done outside the cab.





**4 THE COMFORT AND SPACE.** Regardless which of the five Volvo FH16 cabs you choose, you'll have all the comfort and space you need for your life on the road. The choice of materials, the sleeping comfort, the light from above and the cab climate is hard to beat.



**5 THE I-SHIFT RANGE.** For the Volvo FH16, you can choose different hardware and software within the I-Shift family to optimise your powertrain. Go for the I-Shift with crawler gears, which lets you start with heavy loads in poor conditions, crawl slow with full control and run lean on fast routes. The I-Shift makes it beyond easy to drive safely and efficiently. And the I-Shift driving modes are easier than ever to use.

**6 THE DRIVER INTERFACE.** An instrument cluster that's fully digital and adapted to your truck, your needs and your driving circumstances. An easy to use differential control and a clear status of diff locks and axle load distribution helps you stay in control even with extreme loads.



**7 THE VISIBILITY.** The Volvo FH16 offers excellent visibility with its generous window areas and well-designed mirrors. On top of that, you can add up to eight cameras – one of them being the passenger corner camera, positioned in the passenger side rearview mirror – with camera views presented in the side display. It will put you well on top of the traffic situation, your truck and your load.

THE VOLVO FH16


# Take the next step.

The evolution continues – with power, comfort and reliability in perfect combination. You know your challenges.

Your local dealer will help you tailor your Volvo FH16 to meet them. Flexible finance packages and tailored insurance policies from Volvo Financial Services help you make your investment – and protect it.

Find your nearest dealer at [volvotrucks.com](http://volvotrucks.com)





Some of the equipment shown or mentioned may only be available as options or accessories and may vary from one country to another in accordance with local legislation. Your Volvo dealer will be happy to provide you with 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.





# It runs in the family.

*The evolution continues across our range of trucks.*  
Find out more at your local dealer or at [volvotrucks.com](http://volvotrucks.com)



**VOLVO FH** It's the ultimate long haul experience. Improves business through excellent uptime and optimised fuel efficiency. Outstanding driving environment and comfort for drivers who spend their lives on the road.

Engine outputs 420–540 hp

Cabs: Five sizes.

Fuel alternatives: Diesel and LNG\*.

\*)Prerequisite: Euro 6 specified fuel available on the market.



**VOLVO FM** A versatile, comfortable and safe truck for the busy driver. Excels in efficient transport with low chassis weight and easy cab entry. A comfortable workplace with great visibility.

Engine outputs: 330–500 hp.

Cabs: Six sizes.

Fuel alternatives: Diesel and LNG\*.

\*)Prerequisite: Euro 6 specified fuel available on the market.



**VOLVO FMX** A robust, smart and safe truck that ensures the highest level of uptime and productivity even in the most challenging environments. Offers comfortable driving and great visibility.

Engine outputs: 330–540 hp.

Cabs: Six sizes.



