

V O L V O



VOLVO FH16

# BALANCED TO PERFECTION

Volvo Trucks. Driving Progress







A Volvo excavator with a grapple attachment is lifting a large pile of logs. The scene is set in a lumber yard at dusk, with a dramatic sky of orange and blue clouds. The excavator's arm is extended, and the grapple is holding the logs. The Volvo logo is visible on the arm. In the background, there are stacks of lumber and a building. The text "THE POWER IS IN YOUR HANDS" is overlaid in the center.

**THE POWER IS IN YOUR HANDS**





# When you need power. Without compromise.

The stronger you are – the gentler you need to be. And that's what the Volvo FH16 is all about. One of the most powerful trucks around. And the most sophisticated. You'll have up to 750 horsepower at your fingertips and a ride like in no other truck.

Power, comfort, and reliability – combined to perfection. The Volvo FH16 is the iconic truck on top of our range. It will let you pull more with less strain, and the confident power of a 16-litre engine means you can manage combination weights of

up to 325 tonnes. Behind the wheel, you're in full control of everything you need to do the job right. And you will be able to do it as smoothly as you want without compromise. It's all in your hands.





# Your cockpit. And home away from home.

It's obvious that you're driving one of the most powerful trucks around – not only when you push the accelerator. The Volvo FH16 comes with a unique interior trim along with materials and features that add another level of refinement.

There's an adaptive driver interface designed to help you keep your hands on the wheel and your eyes on the road. And when you need a break, you'll get the highest living comfort possible.

## **In position**

This is as good as it gets. Have a seat, and your hand naturally lands on the I-Shift gear lever. The neck tilt function gets the steering wheel in your favourite position.

## **Clear and dynamic**

The instrument cluster is all digital and fully dynamic. It's adaptable for every situation, whether you're doing your daily check, going at full speed on the highway or manoeuvring with a heavy load onsite. Most functions are managed using steering wheel controls. Everything is intuitive, adaptable, and accessible. Exactly the way you expect it to be.

## **The master suite is yours**

The Volvo FH16 Globetrotter cabs have always held on to a proud legacy of comfortable and safe rests and overnight stays. There are five different cab sizes to choose from, all with plenty of space for you and your gear. Full standing height, plenty of storage and either one or two beds with a range of options to optimise the sleeping comfort for your preferences. 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.

## **Stay powered**

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.





**THE TOUGHER THE JOB, THE BETTER THE REST**

# The Volvo FH16 in numbers.

Not everything about the Volvo FH16 is extreme.  
But the figures and hard facts speak for themselves.  
This truck can do what others can't.

# 3

The Volvo FH16 is available with three different Euro 6 diesel engines with either 550 hp, 650 hp or 750 hp ratings.



# 1993

The very first generation of Volvo FH16 was launched in 1993. Ever since, it's been the choice when no substitutes for power are accepted.



# 750

The most powerful FH16 pumps out up to 750 hp.

# 38

The heavy-duty bogie manages loads of up to 38 tonnes. With ease!

# 325

The Volvo FH16 can pull away with vehicle combinations weighing up to 325 tonnes.

# 650

Get your Volvo cab delivered in the colour you like. Choose from over 650 different hues, tints and shades.



# 220

The Globetrotter XL and Globetrotter XXL cabs offer plenty of headroom, 220 cm full standing height, and plenty of storage.

# 3550

The D16K engine gives you up to 3550 Nm of pure torque.





**750 REASONS TO LOVE YOUR JOB**





# This is your superpower.

The Volvo FH16 is made to go to the extremes. Yet, the massive power is always smooth, sophisticated and easy to control. It's there when you need it, and you will always get the most out of the fuel you put in.

## **Up to 750 horsepower**

The D16K engine comes in three different power ratings from 550 hp up to a massive 750 hp. Aside from peak power, the engine offers up to 3550 Nm of torque available from just a notch above idle speed. Regardless, this truck lets you pull heavy loads with minimum strain.

## **I-Shift in the right gear**

The D16K engine is connected to an I-Shift transmission tailored to your needs. The I-Shift is Volvo Trucks' range of automated gearboxes. They all offer fuel-efficient and reliable operation, while making sure you're always in the right gear. Active Grip Control gives you maximum traction and startability performance in all conditions.

## **Crawl slow and run lean**

If you need to manoeuvre at low speeds with heavy loads, the I-Shift with crawler gears might

be your pick. It lets you drive extremely slow with full control of your engine torque. At the same time, you can choose a rear axle ratio that offers excellent comfort at higher speeds.

## **Extreme mobility**

The I-shift with crawler gears lets you pull away easily with heavy loads even in tough conditions. It will manage up to 325 tonnes without problems and minimum wear on powertrain components. If you're negotiating tough terrain, you'll definitely appreciate the one pedal drive of the I-Shift with Terrain Brake and the Change Direction function.

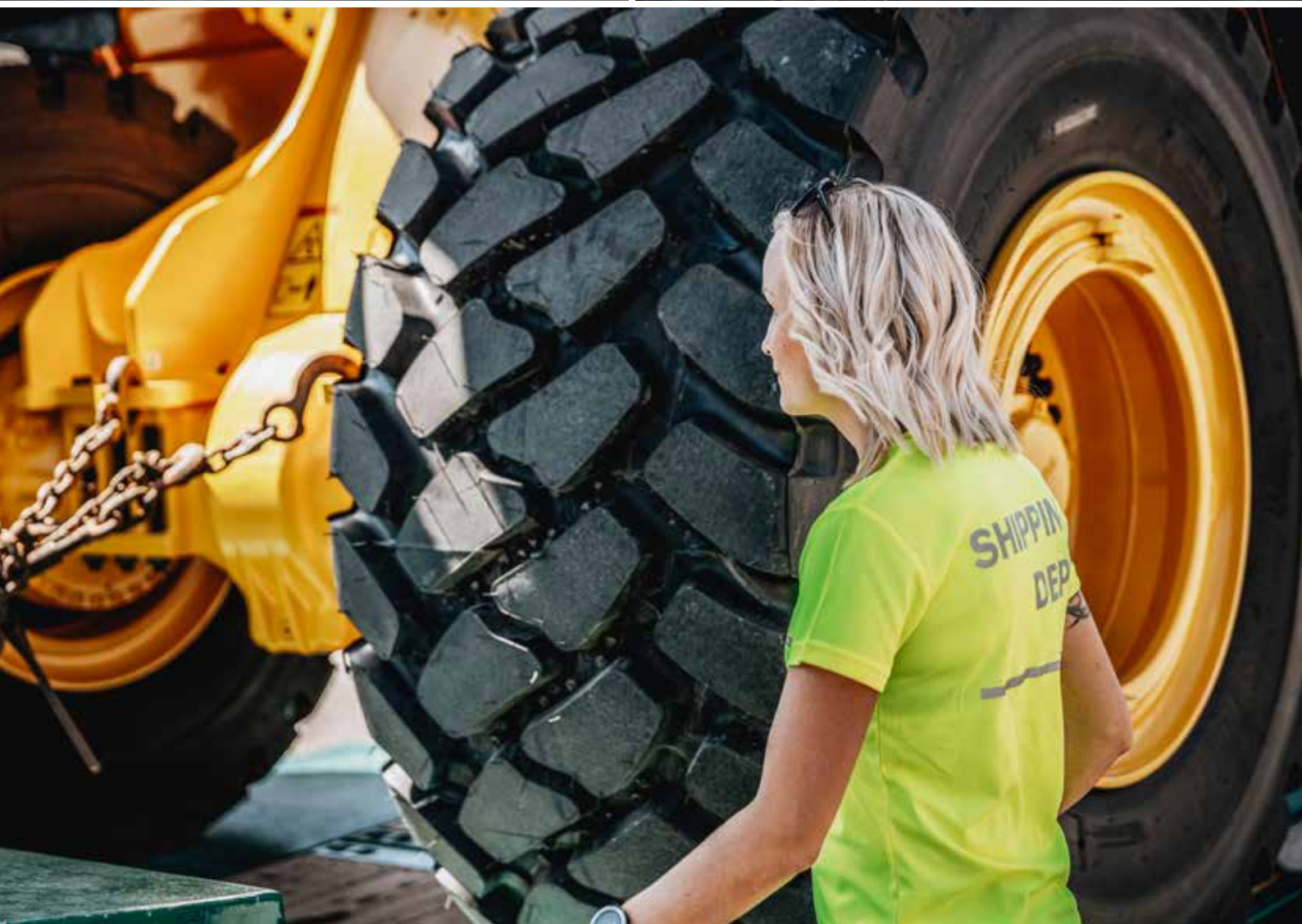
## **I-See with I-Torque**

I-See helps you save fuel by automatically optimising speed and gear changes for the topography of your specific routes. The I-Torque function further controls the available engine torque when climbing hills to save fuel.









# A chassis made for heavy work.

The Volvo FH16 is loaded with features that are there to let you do more with less effort and strain on the equipment, and in less time – even when the challenges are extreme.

We tailor your chassis to support the success of your operations – using components and systems that are made to work reliably for many years to come.

## **Air suspension**

Whether you're into demanding long haul transport or driving in off-road like conditions – you can get your chassis with air suspension, purpose designed for these different tasks.

## **Volvo Dynamic Steering**

Perfect stability and control at all speeds, along with reduced strain on your muscles. The Volvo Dynamic Steering offers it all – plus you get assistance to avoid skidding and unintentional lane changes. It's every driver's dream.

## **38 tonnes on the bogie**

For high demands on load capacity, there's a heavy duty bogie for the Volvo FH16 that manages loads up to 38 tonnes.

## **Axles for margins**

The air suspended front axles on the Volvo FH16 can take up to 10 tonnes of load each, for your load capacity or increased flexibility.

## **Tandem axle lift**

Lift one of the tandem drive axles when you need to. It gives you the traction and load capacity of two axles when you need it – and the agility, fuel efficiency and tyre wear of one axle the rest of the time.

## **Five axles for massive capacity**

You can get a five-axle truck delivered direct from the factory. You'll get your truck quicker and you will get it with a complete vehicle type approval along with a full Volvo warranty and our aftermarket support.



# Protecting others. For your safety.

Safety is at our very core – and the driving force behind the constant improvements we are making to our trucks and services. When designing driver support systems, we aim to comply with regulations with a broad margin – and design systems that are convenient to use and really help the driver.

## **Lane Keeping Assist**

Enjoy the support of keeping your truck in the lane. Lane Keeping Assist uses the front camera to continuously detect lane markings and provides a gentle steering support towards the centre of the lane in case the truck should be on its way to unintentionally cross the line.

## **Adaptive Cruise Control**

In heavy traffic, the radar-based system helps you keep a distance from the vehicle in front of you. The Adaptive Cruise Control can be activated at speeds above 4 km/h and once activated, it works all the way down to standstill. This makes the Adaptive Cruise Control a perfect tool even when manoeuvring onsite.

## **Downhill cruise control**

Are your routes hilly? The downhill cruise control engages the auxiliary brakes, like the engine brake and retarder, to keep the speed you've set on your cruise control.

## **Distance Alert**

When driving at speeds over 60 km/h and not using the Adaptive Cruise Control, the Distance Alert is activated. As you approach another vehicle in front, a visual alert is displayed on the wind-screen giving you a chance to slow down and maintain a distance.

## **Side Collision Avoidance Support**

This system uses radars to detect vulnerable road users and other objects on the sides of your truck. The General Safety Regulation demands covering the passenger side – but Volvo Trucks' system covers both sides of your truck.

## **Electronic Stability Control**

Volvo's Electronic Stability Control efficiently reduces the risk of skidding and rollovers. When the system detects a critical situation, it instantly kicks in, reducing engine power and applying brakes to each wheel of the truck and trailer individually.

## **Passenger Corner Camera**

Uncover hidden angles and improve your visibility. Positioned at the foot of the passenger side mirror, this camera is automatically triggered by the turning indicator and projected onto the driver's side display screen. Perfect in streets, highways and construction sites.











**LIFTING THE WEIGHT OFF YOUR SHOULDERS**

# Made to be put under pressure.

This is the choice when there's no substitute for perfectly controlled massive power. Hauling timber stacks on slippery roads, delivering heavy machinery or bulky building elements onsite – or

bringing raw materials from a mine. These are a few examples of Volvo FH16's favourite sports, that only a few can pull off. What's yours?











Supporting  
CO<sub>2</sub> targets.



Versatile and  
reliable trucks.



Support for  
your business.



High driver  
performance.



Secured  
deliveries.



Predictable  
total cost of  
ownership.



Service and  
maintenance.



Remote  
monitoring of  
your fleet.



Volvo financing  
designed for  
your needs.

# One point of contact. One complete package.

When you're building a solid and efficient transport operation, you need to cover a lot of bases. We take all of them into account when building your transport solution. Without exception.

We've considered every aspect of what it takes to run a transport operation, here are just a few examples of services that will make your life easier and improve your operation.

The **Volvo Gold Service Contract** includes preventative maintenance and repairs, and covers the complete truck to minimise the risk of any unplanned stops.

The **Dynafleet** services take care of everything from route planning and energy use – to driver times, positioning and asset management.

With the **My Truck** app, you have remote access to your Volvo FH16.

Looking to buy, lease, rent or insure your transport solution? Through **Volvo Financial Services**, we provide tailored services in a one-stop shop fashion.

**Driver Development** helps your drivers utilise the full potential of your trucks. Learn more about our service offer at [volvotrucks.com](http://volvotrucks.com).







**WHEN YOU SEE IT, YOU KNOW IT**

# 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 **volvotrucks.com** or at your Volvo Trucks Dealer.

## Cabs



Low sleeper cab



Sleeper cab



Globetrotter cab



Globetrotter XL cab



Globetrotter XXL cab

## Engines

16 LITRE	Max power	Max torque
D16K550 (410 kW)	550 hp at 1380–1700 r/min	2800 Nm at 900–1380 r/min
D16K650 (480 kW)	650 hp at 1450–1700 r/min	3150 Nm at 950–1450 r/min
D16K750 (550 kW)	750 hp at 1600–1700 r/min	3550 Nm at 950–1400 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)
AT2812G	Direct	2800	60
ATO3112G	Overdrive	3150	100
ATO3512G	Overdrive	3550	100

## Tractor axle configurations

				
4×2	6×2 pusher axle	6×2 tag axle	6×4	8×4 pusher axle

## Rigid axle configurations

					
4×2	6×2 tag axle	6×4			
					
8×2 dual front axles	8×2 tridem	8×4 dual front axles	8×4 tridem pusher axle	8×4 tridem tag axle	10×4 dual front axles, tag axle

● = Drive axle.

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





## 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 challenging missions and a life on the road. We have the accessories you need to fully outfit your truck the way you want it.

Everything from a crash tested coffee maker to anti fuel theft devices and I-Shift software upgrades are available through our dealer network. Contact your Volvo Trucks Dealer to have it your way.



Microwave oven



Flexible reading lamp



Coffee maker



Headlamp protection

# 7 reasons to choose the Volvo FH16.

Powerful and sophisticated. Comfortable and reliable. The Volvo FH16 is the choice when you need to manage what others can't. Or just pull things off with a broad margin. Regardless, here's our top 7 list of why you should consider the Volvo FH16.



**1** The powerful engines available.

**2** It can pull away  
325 tonnes with ease.

**3** The I-Shift range for precise  
and efficient control of power.

**4** Cabs with premium  
living comfort.

**5** The level of active and  
passive safety built in.

**6** A modern driver interface  
that adapts to your needs.

**7** Easy manoeuvring with  
Volvo Dynamic Steering.



# It runs in the family.

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



**VOLVO FH16** Our most powerful truck, made to handle the most demanding environments. Easily keeps a high average speed with high payloads on hilly routes. Offers an unparalleled level of comfort on the road.

Cabs: Five sizes.  
Energy alternatives: Diesel, Biodiesel, HVO.



**VOLVO FH** A custom-made truck that improves your business through excellent uptime and optimised fuel economy. Outstanding driving environment and comfort for drivers who spend their lives on the road.

Cabs: Five sizes.  
Energy alternatives: Electric, LNG, Diesel, Biodiesel, HVO.



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

Cabs: Six sizes.  
Energy alternatives: Electric, LNG, Diesel, Biodiesel, HVO.



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

Cabs: Six sizes.  
Energy alternatives: Electric, Diesel, Biodiesel, HVO.



**VOLVO FE** Offers a high load capacity in a more compact and agile format. Easy to drive, with unique features for better all-round visibility and ergonomics. Available with an all-electric powertrain.

Cabs: Four sizes.  
Fuel alternatives: Electric, CNG, Diesel, Biodiesel, HVO.



**VOLVO FL** Offers a high load capacity and light terrain ability in a compact format. Easy to drive and easy to own. Available with an all-electric powertrain.

Cabs: Three sizes.  
Energy alternatives: Electric, Diesel, Biodiesel, HVO.



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VTC 10269 English Global Printed in Sweden

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