

Volvo Construction Equipment
Building Tomorrow



EC750D

Volvo Excavators 72.5-75 t 519 hp



A large wind turbine stands in a field of grazing cattle under a warm, orange-hued sunset sky. The turbine's blades are partially visible, with one blade extending from the left side of the frame. The scene is peaceful and rural, with rolling hills in the background.

WELCOME TO OUR WORLD

Welcome to a world of industry leading machinery. A world where imagination, hard work and technological innovation will lead the way towards developing a future which is cleaner, smarter, and more connected. A world supported by the enduring values of the Volvo Group. A world of stability, sustainability and innovation. A world which we put our customers at the heart of.

Welcome to the world of Volvo Construction Equipment – we think you're going to like it here.

Working harder, working smarter

For over 180 years Volvo has been a pioneer in the design and manufacture of machines which set the standard for efficiency, performance and uptime. Across our range of excavators, wheel loaders and haulers, our reputation for engineering excellence is unrivalled, which means whatever your operation or application, we can provide a total fleet solution to help you succeed.

Building on our proud history, the Volvo Concept Lab continues to create cutting-edge ideas and innovative concepts, to ensure we offer customers machines which work harder and smarter long into the future.



Solutions for you

Our industry leading machines are just the start of your relationship with Volvo. As your partner, we have developed an extensive range of additional solutions to help you improve uptime, boost productivity and reduce costs.

Designed for your business

Structured across nine blocks, our portfolio of products and services are designed to complement your machine's performance and boost your profitability. Simply put, we offer some of the best guarantees, warranties and technological solutions in the industry today.

There when you need us

Whether you're buying new or used, our global network of dealers and technicians offer around-the-clock support, including machine monitoring and world-class parts availability. It's the basis of everything offered by Volvo Services, so you can be confident we've got you covered right from the start.



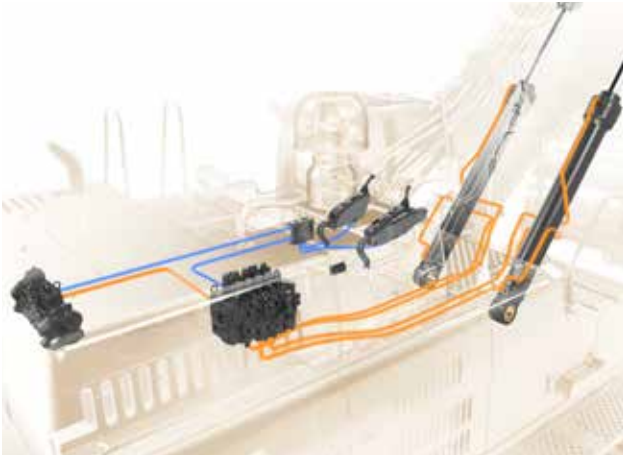
BUILDING TOMORROW

Gain more, pay less

Secure more profit and reduce your Total Cost of Ownership by increasing productivity and fuel efficiency. Do more for less on your job site with the EC750D's Volvo D16 engine, which delivers increased horsepower and fuel efficiency. The machine's electro hydraulic system provides high productivity and excellent control.

Electro hydraulic system

Enhance fuel efficiency while increasing productivity and performance. The new and improved Volvo designed electro-hydraulic system uses intelligent technology to control on-demand flow and reduces internal losses in the hydraulic circuit. This provides superior digging force, shortens cycle times and increases controllability.



Increased bucket capacity

The EC750D delivers more tons per hour, fitted with larger buckets for faster and more efficient on site production. To gain profitability, the increased horsepower, hydraulic pressure and flow enable the machine to perform at optimal capacity, loading more material in one load for greater productivity.



Work modes

Volvo's unique integrated work mode system now includes the G4 mode for optimum fuel efficiency and performance, incorporating the work modes within the throttle control. When the operator selects the best work mode for the task at hand – I (idle), F (fine), G (General), H (Heavy) and P (Power) – the rpm is already set for maximum efficiency.



Volvo Cab

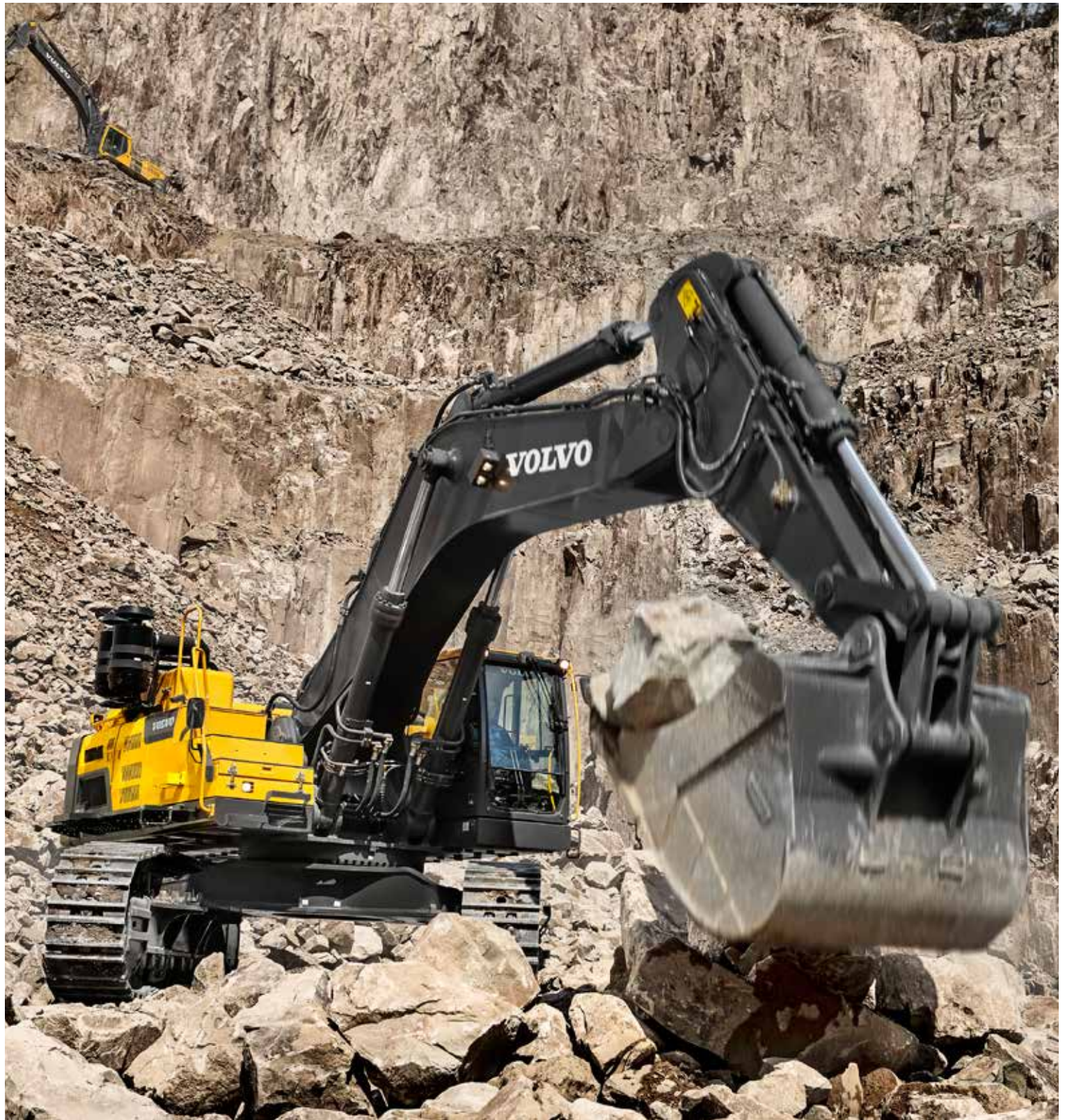
The comfortable, low noise environment and adjustable seat increases operator efficiency and capacity to improve production. Volvo's industry-leading cab boasts superior visibility from large expanses of front and side glass with slim cab pillars and the spacious environment provides ample storage and leg room.





VOLVO D16 ENGINE

Featuring advanced technology and built on decades of experience, the new Volvo D16 engine delivers 11% increased horsepower for the ultimate combination of high productivity and increased fuel efficiency.



DIGGING FORCE

Get the job done faster with ease because of the EC750D's constant high system pressure, which delivers greater digging force and reduced cycle times, particularly when working with hard and heavy materials.

A star performance

The EC750D's outstanding digging force gets the job done whether you're working at a mine, quarry or in heavy construction applications. The EC750D digs, swings and loads using the most efficient technology and its improved stability, tractive force and Eco Mode, delivers low fuel consumption and improved cycle times for a star performance.

Improved stability

Improve your stability and work in more challenging environments with the machine's wider track gauge and heavier counterweight, which both contribute towards a well-balanced and solid machine when operating in adverse terrains.



Tractive force

For more power, better productivity and ease of moving around your jobsite, the machine's high system pressure and durable track ensure impressive tractive force when climbing gradients and travelling over unstable ground. Perform more tasks in hard to reach areas of your jobsite.



ECO Mode

Save fuel without any loss of performance in most operating conditions. Volvo's unique ECO Mode optimizes the hydraulic system to reduce flow and pressure losses, for improved fuel efficiency. ECO Mode is automatically selected but can be switched off via the keypad.



Improved cycle time

Get more done in less time. The Volvo hydraulic system, leads to a more powerful and combined pump flow to the bucket for smooth operation, improved cycle time and increased fuel efficiency. The optional boom float delivers more control, fast minimizes operation costs and maximizes uptime.

Strong, solid and superior

Use the best machine for the job in tough working conditions. The EC750D is built using durable Volvo components, a reinforced structure and machine protection for a longer life in tough environments. Robust parts and easy service access increase uptime and keep maintenance to a minimum to reduce operating costs.

Durable Volvo components

Volvo's tried and tested components have proven to be reliable even in the toughest applications, delivering maximum uptime. Volvo's commitment to its development process and quality levels ensures that its rigorous testing procedures produce the best quality components and machines.



Reinforced structure

The reinforced upper and lower frame are built to withstand tougher conditions for improved durability and reliability. The reinforced idler frame, track links and bottom rollers are designed and built for constant impact, leading to machine longevity and a sustained level of uptime in demanding applications.



Easy service access

Grouped filters and the electric distribution box are easily accessed via the wide-opening compartment doors and walkways. Greasing points can all be accessed in one machine position and the EC750D's design facilitates easy cleaning, inspection and maintenance for increased uptime.



Undercover protection

For increased durability and to protect components, the built-in heavy-duty plate provides additional protection to the underside of the machine in hard applications – preventing damage from rocks and debris.





BOOM AND ARM

The reinforced heavy-duty boom and arm built from high strength tensile steel increases reliability and machine uptime, even in severe applications. Steel strips are welded under the arm to further increase protection and various boom and arm configurations are available to suit any bucket size or application.



ATTACHMENTS

Volvo's attachments have been purpose-built to work in perfect harmony with Volvo machines, forming one solid, reliable unit. With functions and properties ideally matched, Volvo attachments are an integrated part of the excavator for which they're intended – delivering maximum productivity.

Strength in numbers

Maximize your productivity and profitability with Volvo's EC750D excavator and a range of durable attachments. Increase your versatility, access more applications and perform a variety of tasks on one job – all while experiencing faster cycle times and excellent control.

HD Buckets

Volvo's heavy-duty bucket, built using wear resistant plates, excels at digging compact materials including loose rock, hard clay and gravel. It's perfect for quarrying and mining applications and is made out of reinforced high quality durable materials for a long life and superior performance.



Universal Quick Coupler

Volvo offers a Universal quick coupler which perfectly matches Volvo's bucket range. The Volvo Universal quick coupler also picks up a variety of attachments from various manufacturers and the Volvo front-pin lock quick coupler meets the latest safety regulations.



Attachment Management System

The password protected attachment management system allows storage for up to 20 different attachments. The system allows the operator to pre-set hydraulic flow and pressure inside the cab through the monitor, which ensures the use of various attachments for increased versatility.



Genuine Volvo Wear Parts

The positioning of Genuine Volvo wear parts cover critical areas, which protect the bucket and prolongs its lifespan. A wide range of wear parts are offered to protect your complete bucket, such as teeth, adapter, segments, side cutter and shroud. Strong high tensile steel has been used to increase the bucket's durability.



Tough it out

ECO Mode

Save fuel without any loss of performance in most operating conditions with Volvo's unique ECO Mode.

BOOM AND ARM

The reinforced heavy-duty boom and arm increases reliability and machine uptime, even in challenging applications.

Electro hydraulic system

The electro-hydraulic system uses intelligent technology to control on-demand flow and reduce losses in the hydraulic circuit.

Durable Volvo components

Volvo's tried and tested components have proven to be reliable even in the toughest applications.

DIGGING FORCE

The constant high system pressure delivers greater digging force and reduced cycle times to get the job done faster.

ATTACHMENTS

A range of Volvo attachments including hard wearing buckets are an integrated part of the excavator, delivering maximum productivity.

Increased bucket capacity

The EC750D delivers more tons per hour, fitted with larger buckets for faster and more efficient on site production.



CUSTOMER SUPPORT AGREEMENTS

Customer Support Agreements offer preventive maintenance, total repairs and a number of uptime services.

Volvo Cab

The comfortable, low noise environment and adjustable seat increases operator efficiency and capacity to improve production.

VOLVO D16 ENGINE

The high quality D16 engine delivers 11% increased horsepower for high productivity and increased fuel efficiency.



Reinforced structure

The reinforced upper and lower frame are built to withstand tougher conditions for improved durability and reliability.

Easy service access

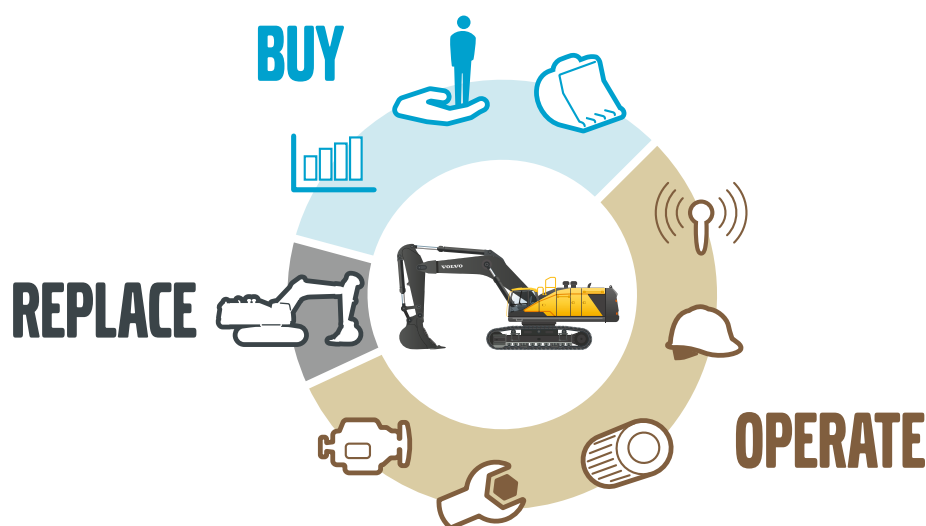
The EC750D's design facilitates easy cleaning, inspection and maintenance for increased uptime.

Adding value to your business

Being a Volvo customer means having a complete set of services at your fingertips. Volvo can offer you a long-term partnership, protect your revenue and provide a full range of customer solutions using high quality parts, delivered by passionate people. Volvo is committed to increasing the positive return on your investment and maximising uptime.

Complete Solutions

Volvo has the right solution for you. So why not let us provide all your needs throughout the whole life cycle of your machine? By listening to your requirements, we can reduce your total cost of ownership and increase your revenue.



Genuine Volvo Parts

Our attention to detail is what makes us stand out. This proven concept acts as a solid investment in your machine's future. Parts are extensively tested and approved because every part is vital for uptime and performance. Only by using Genuine Volvo Parts, can you be sure that your machine retains the renowned Volvo quality.

Service Network

In order to respond to your needs faster, a Volvo expert is on their way to your job site from one of our Volvo facilities. With our extensive infrastructure of technicians, workshops and dealers, Volvo has a comprehensive network to fully support you using local knowledge and global experience.





CUSTOMER SUPPORT AGREEMENTS

The range of Customer Support Agreements offer preventive maintenance, total repairs and a number of uptime services. Volvo uses the latest technology to monitor machine operation and status, giving you advice to increase your profitability. By having a Customer Support Agreement you are in control of your service costs.

Specifications

EC750D

Operating weight	kg	72 700-74 700
Gross power	kW	393
. . . at engine speed	r/min	1 800
Bucket capacity	m³	3.3 - 5.16
Lifting capacity, along undercarriage	kg	26 110
. . . at reach / height	m	6.0/1.5
Max. digging reach	mm	11 460
Max. digging depth	mm	7 210
Breakout force, SAE J1179 (Normal)	kN	325
Breakout force, SAE J1179 (Boost)	kN	-
Tear out force, SAE J1179 (Normal)	kN	314
Tear out force, SAE J1179 (Boost)	kN	-
Overall width	mm	4 290
Tail swing radius	mm	4 140
Based on machine configuration: 6.6m boom, 2.9m arm, 12700kg CWT		

Not all products are available in all markets. Under our policy of continuous improvement, we reserve the right to change specifications and design without prior notice. The illustrations do not necessarily show the standard version of the machine.



VOLVO

Volvo Construction Equipment

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