

**VOLVO EXCAVATORS**

**EC210  
EC240**



**VOLVO**



**POWERFUL  
RELIABLE  
PROVEN HIGH PERFORMANCE  
COMFORT AND SAFETY**

Advanced technology has brought Volvo excavators to the cutting edge of efficiency and productivity. No matter how tough the jobsite, Volvo excavators provide the highest performance and superior operator comfort. These machines are among the fastest and most powerful excavators in the world.



# Operator efficiency



Surrounded by an easy to use console, the seat has eight simple adjustments for maximum comfort and working visibility, whether in deep trenching or truck loading.

Additional operator comfort items available include air suspension, as well as a heated seat.

All operational controls are within easy reach. Gauges and LED lights monitor main functions and display the status constantly.

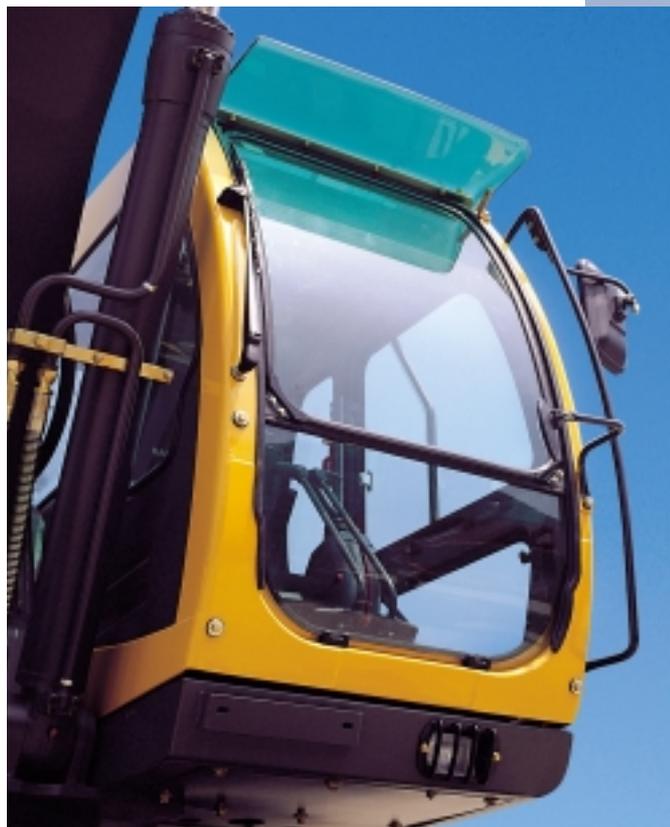
If there are malfunctions, the operator instantly knows what the problem is through the self-diagnostic system.

Located on the left side of the console, adjacent to the seat, the system will display a code to aid in troubleshooting. Another feature of the cab is the noise level, a result of many years of study and testing.

The cab is so quiet, that even at high rpm, the operator can enjoy a sound environment similar to that of a passenger car.

A large cab window area enhances all-around visibility. A large storage area, located behind the operator seat, provides room for manuals and the operator's lunch or other incidentals. Equip the cab with our clear roof hatch or a sliding rear window and provide the operator with even greater comfort and visibility.

The front rain shield made of clear plastic and front sun shield are available options for operator comfort.





# Productivity

## Engine

A powerful engine ensures high performance. Volvo excavator, powered by Cummins engines, provide greater production by having higher horse power and torque ratings than most other major competitors.

These are low emission diesel engines, turbo charged with high reserve capacity and maximum torque. Their ratings are below the maximum available horsepower levels to ensure long running life and superb reliability.



## Hydraulic system

Volvo Excavators have a unique hydraulic system, specifically designed for power and performance. It's the Volvo-exclusive ACS (Advanced Control System). When an operator

chooses a Power mode, all systems are automatically set to their most efficient positions. ACS provides 4 distinct power modes with 9 different rpm settings and Power max mode. These 4 power modes, "H", "G", "F" and "T" are suited for any jobsite condition. The **Power max** mode, activated with a special mode selection switch delivers maximum engine power. The **Power boost** mode allows increased hydraulic system pressure by 10% for nine seconds and this increased hydraulic pressure is available to the boom, arm and bucket circuits.



## Undercarriage

The Volvo excavator frame is made of high tensile strength steel with incredibly precise state of the art robotic

welding techniques.

Even under the most extreme jobsite conditions, Volvo excavators are built to last. The track pins and bushings are lifetime lubricated and sealed to reduce travel noise and extend track life, adding even more value to the excavator.

There are many different shoe sizes available, and for certain markets, a narrow long crawler version is also available.

An automatic 2-speed travel system has proved to be the fastest way to get around work sites. However, when speed is not required and more power is needed, first gear kicks in automatically. First gear is also engaged while the excavator is digging, to maintain stability.



# Availability



Exceptional ease in service and maintenance is seen in every detail of the Volvo excavator. It is designed for operator convenience and most maintenance can be done at ground level or from the service platform. Grease points are conveniently located and grouped together for easy service.

Tilttable oil coolers are used for fast easy clean out. Electrical connectors are waterproof and automatic fan belt tensioners extend belt life and reduce maintenance.

Jobsite productivity is further enhanced by the fact that our excavators can work for two full shifts without having to refill the large capacity fuel tank.

The Volvo excavator is supported by a proven customer support organization using the latest technology.

Through extended global support links, we have the ability to help you achieve maximum productivity and availability with your Volvo excavator.



# Many digging equipment combination



Our standard-duty boom and several different arm sizes can be combined on Volvo Excavators to handle everyday needs under a variety of working conditions. For jobs, such as logging

applications, a heavy-duty boom and arm are available.

For mass excavation, the operator can use the extra-short, heavy-duty arm with a larger bucket cylinder. Two-piece adjustable booms are also available for working in confined areas.

To get even more job flexibility, long reach equipment has been developed for use in dredging, ditch cleaning, bank sloping and land leveling.

An auxiliary hydraulic valve is standard in Volvo excavators to satisfy operators specific demands. Additional hydraulic kits are available as options for many different machine applications such as hammer, shear, clamshell, tilt and rotator.

A large variety of buckets, and other attachments are available to suit specific needs.



## Volvo quick fit

The hydraulic quickfit makes it possible to change attachments quickly and easily without the operator having to leave the cab. This increases productivity and makes the machine more flexible. To change attachments, two switches have to be actuated simultaneously.

This minimizes the risk of the bucket being released inadvertently during work or travel.





*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  
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