

45,6 – 48,3 t, 320 hp

**VOLVO EXCAVATOR**

# EC460C



**MORE CARE. BUILT IN.**



# VOLVO – A PARTNER TO TRUST.

It's not a race, but the goal is to move the greatest amount of material in the shortest amount of time. Volvo sets the industry pace – and the Volvo EC460C Excavator leads the way. More profit and more tons per hour fuelled by industry-leading fuel economy. You are going to do it with uptime you can trust and depend on. And you are going to do more each day in the command of the legendary, improved Volvo Care Cab. It's the production machine ideal for general contracting, pipe laying, quarrying, demolition and large-scale bulk earth moving. With Volvo as your partner, you win every time.

## **Your local partner around the globe**

Since 1927, Volvo has earned a global reputation for providing complete solutions. Volvo is built on core values of quality, safety and environmental care. The extensive line of construction equipment is augmented by Volvo's commercial transport solutions, including buses and trucks. This global experience and expertise have led to the ongoing development of engines with the lowest fuel consumption in their class. Today, the tradition continues with Volvo C-Series Excavators – designed and built to the exacting standards that make each machine a trusted Volvo partner.

## **The experience for your jobs**

Repair highways. Move mountains of rock. Excavate lakes. Load haulers. Dig and lay miles of pipe. If you find the work, the Volvo EC460C will help you do it. It was built for heavy production. That's why large contractors, quarries and civil engineering firms rely on it.

## **Endurance born from strength**

Tear into the earth. Break out of the material with no hesitation. Excavate your way through difficult terrain. It features proven booms and arms and offers a maximum digging reach of 12,0 m, to a maximum depth of 7,7 m. And it's built to keep working day after day.

## **Fuel efficiency: still the best**

Maximize your profits with Volvo industry-leading fuel efficiency. The EC460C gets the most work and profits out of each tank.

## **The Volvo Care Cab gets more comfortable**

How do you improve on the best? Constant innovation and a desire to make our customers more productive. The EC460C is the result. A larger, more comfortable cab. The seat of comfort. Perfectly-placed controls. All-around visibility. Climb into the cab and experience it.

## **Quality that stands the test of time**

You can see the quality. You certainly can feel it too. Just open the reinforced service doors. Feel the thickness of the frame, boom and reinforcing plates. Operate the EC460C and you'll experience the true testament to its quality: performance.

If you have ever owned or operated a Volvo Wheel Loader, Articulated Hauler or any one of our full scope of global equipment offerings, you know that Volvo stands for quality, comfort and safety. Trust the Volvo EC460C Excavator as your partner and reach farther than you thought possible.



• Volvo: a sign of trust and quality.



• Reinforced boom/arm handles all jobs.



• Greater profits through intelligent toughness.



• Efficient Volvo engine delivers high torque at very low RPMs.



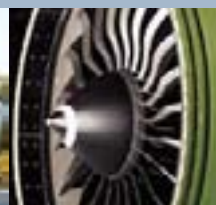
- Reliable, reinforced boom and arm handle a variety of jobs with ease, with a combination of capacity, reach and force.
- Quieter, fatigue-free operation puts you comfortably in command of greater profits.
- Volvo high-tech toughness: the intelligent way to greater profits.
- Powerful Volvo V-ACT engine delivers proven performance and industry-leading fuel efficiency through high torque at low revs operation.

## VOLVO'S ENGINE LEADERSHIP SPANS LAND, SEA, SKY AND SPACE

As the world's largest manufacturer of 9-to-18-liter diesel engines, Volvo has unmatched expertise designing power systems that move the world. Volvo engines for Volvo Construction Equipment, Volvo

Aero, Volvo Buses, Volvo Penta and Volvo Trucks define productivity and fuel economy. Our performance has been honed on land, over the sea, across the sky and into space. Leading research and development

keeps all Volvo Group products at the forefront of productivity. So when we say Volvo engines are tested — and proven — you can believe it. Trust in it. It's the real advantage of Volvo Power.



# SECURE YOUR PLACE IN COMFORT AND COMMAND.

When you're working, you're in command: of your machine and your surroundings. The Volvo EC460C takes it to the next level, enveloping you in productivity-enhancing comfort. The seat supports your entire body. The controls are in the perfect position. Experience the roomy cab space and visibility-enhancing expansive glass. Noise and vibration have been dampened. Safety, a Volvo cornerstone, has been meticulously incorporated into every detail. Secure your place in productivity with the safe, comfortable Volvo EC460C.

## **New cab eases long shifts**

If you know Volvo as the leader in cab comfort, you won't be disappointed with the new, larger Care Cab. It features an adjustable seat that supports your whole body. Pedal positions have been shifted forward for more foot room. The cab is wider. Achieve all-day endurance through the right operator position in relation to the joysticks, seat and pedals – with forward/reverse and up/down adjustments. To reduce hazardous vibration, Volvo has gone beyond emerging regulations with a cab suspension system that greatly reduces whole body vibration. There's also less noise – from the quiet Volvo engine and the pressurized, insulated cab.

## **The visible edge in visibility**

Check out the expansive, glazed surface area. Look up. Volvo listened to operators and greatly expanded upper visibility with a roof hatch that offers a good view during high-reach applications. The gas strut assisted windshield opens with ease, while the smartly positioned windshield wiper cleans more glass – including both upper corners. The easy-to-read LCD color monitor keeps you constantly updated – and in command.

## **Intelligent climate control comfort**

Intelligently going beyond automobile technology, the EC460C's high-tech electronic climate control system comforts your entire body with the highest-capacity heating and cooling ventilation system available in the excavator industry.

## **Safe and protected from top to bottom**

The new-design Volvo Care Cab, with operator protective structure provides security. Volvo's attention to ergonomics when designing controls, pedals and monitors ensures safe, long-term use. An optional color rear view camera displaying on the LCD color monitor provides a safe view while slewing or travelling.

## **Anti-slip steps and platforms**

Peace of mind starts with the first step. That's because all steps and platforms feature quality anti-slip traction with punched steel plates for superior grip – even when wet or icy. The bolt-on plates feature recessed bolts for less risk of trip hazard.

## **Trust Volvo's environmental commitment**

More than 95% of the machine materials are recyclable. External sound levels have been greatly reduced. The exterior paint is lead-free. These things may seem minor, but Volvo puts a high premium on safety and environmental harmony.



• Experience the comfort of the suspension seat.



• Monitor and controls: right where you want them.



• Greater floor space with ergonomic pedals.



• Industry's highest heating/cooling capacity with 14 vents.

- Expansive glass and clear sight lines provide outstanding all-around visibility with greater safety.
- Take command of the jobsite with the adjustable, suspension seat.
- All-new cab is larger and more comfortable with ergonomic controls and vibration dampening suspension – for all-day production.
- New, easy-to-read LCD color monitor and perfectly positioned controls put you in command.
- Expanded floor space and ergonomic travel pedals provide greater legroom and more room for work boots.
- Electronic climate control system distributes comfort evenly with 14 air vents and the highest-capacity heating and cooling available in the excavator industry.



# THE VOLVO EDGE: UPTIME IS ON YOUR SIDE.

Volvo knows what you want. That's because Volvo asked owners and operators – and listened. You want a machine you can rely on every day. You want less downtime – and when you service it, you want it to be fast and easy. You want to spend your time working and making profit. You get it all with strength and intelligence in the Volvo EC460C. Start each day quickly with simple routine maintenance. Work hard all day with the power, reach, capacity and confidence to literally move mountains of material. Now that you know about it, experience the Volvo EC460C – and get the edge you need on your side.

## **Innovative Volvo engine has it all**

Dig deep and get more done with the Volvo EC460C, equipped with a powerful new generation Stage IIIA compliant V-ACT (Volvo Advanced Combustion Technology) engine. It delivers 235 kW (320 hp) of optimized output. And with high engine torque at low revs, Volvo achieves ultra-efficient fuel consumption.

## **Hydraulic system advancements**

When you touch the joystick, you want to know exactly what to expect. The advanced EC460C hydraulic system delivers this precision, responsive control. It features the boom, arm and slew priority you need, and with in-cab operator-selectable hydraulic flow and pressure, attachments are even easier to use at full performance.

## **Quick fit versatility grows**

In addition to the proven S-Type quick fit, the new optional universal quick fit makes it easier to change attachments. Increased bucket speed, optional boom float position and a wide range of working modes let you match requirements to the attachment and application. Connect, go and grow your business.

## **Your daily routine just got easier**

For routine checks, the cab air filter is intelligently located outside the cab. Fuses are protected in a sealed, ground-level steel box behind the cab. The sloped

track frame design allows for self-cleaning of mud and debris.

## **Uptime made simple**

Volvo serviceability has been simplified to maximize uptime. Ground level access makes inspection and service quick and easy. And even though the Volvo EC460C is a large excavator, you can change the oil, fuel and water separator filters, as well as drain the oil and access the hydraulic pump from the ground. Inside the cab, the LCD monitor quickly performs self-diagnostics and allows the checking of the engine oil level.

## **Smart hydraulic cooling system**

Fan speed is hydraulically driven, intuitively sensing hydraulic oil temperature and automatically activating to keep the system regulated at an optimized temperature. The oil cooler helps maximize cooling capacity and features excellent cleaning access. O-ring faced sealing is used in all hydraulic connections for added reliability. An anti-corrosive aluminium-cooling module offers long life.

## **Common parts increase profit**

The Volvo EC460C uses over 100 components and consumable parts common to other Volvo machines you may run. This results in higher availability of parts and lower operating costs.





• Simplified, ground level service access.



• Easy access to hydraulic pumps and filters.



• Anti-slip steps and platforms add safety.



• More care built in through quality.

- Intelligent, advanced hydraulic system balances available engine power with hydraulic output for smooth, responsive control.
- Simplified, ground level service access, long service intervals and centralized lubrication points mean more uptime.
- Quick and easy access to hydraulic pumps and filters.
- Anti-slip, punched steel platforms and walk areas offer superior grip and safety.
- More uptime from Volvo quality through and through.

# ENDURANCE TO RELY ON. STRENGTH TO LAST.

More care. Built in. It's not just a slogan. It's Volvo's promise and it goes into every detail of every panel, part, component and machine. The EC460C promises performance – because of this quality. Open the service panels. Step up into the cab. Run it. The durability and quality are as obvious as the boom and the bucket. The built-to-last Volvo components work in harmony with the efficient, long-life Volvo engine. It makes up the total innovative Volvo package – and it's something you can trust. Every day. Every job. Everywhere.

## **Quality. Reliability. Strength.**

Quality lasts. That's why Volvo uses quality parts throughout the EC460C – without switching to cheaper, cost-cutting shortcuts that are becoming common in the industry. There's rigid service doors and a protected electrical system. There's a high-tensile steel undercarriage frame and strong superstructure with double-welded corners. There's heavy-duty booms and arms – and it's there because it lasts.

## **Protected, stable track**

The Volvo EC460C undercarriage and track are built for durability, reliability and stability. The lifetime greased, sealed track link prevents grease leaks, reduces noise and guarantees longevity. A reinforced idler bracket prevents failure and track link derailing.

## **Intelligently tough on the job**

The Volvo EC460C blends intelligence and toughness in innovative new ways. And even though it's high-tech, it's easy to learn and operate. The machine balances maximum available horsepower to hydraulic output, preventing engine overload – regardless of pump load or engine speed. Volvo can do this because it's a Volvo engine, designed by Volvo engineers to specifically work with Volvo components.

## **Your Volvo dealer: your growth partner**

Your Volvo dealer is your all-in-one source for attachments and all the support services you need:

### **CareTrack monitors it all**

CareTrack is an optional GPS monitoring program that works with the machine's diagnostic system. Installation is simple. You and your dealer can remotely track usage, productivity, fuel consumption and more. Maximize uptime through important service reminders. CareTrack also monitors geographic machine location and can even prevent unauthorized use. With CareTrack, you can focus on the care of your business while your Volvo dealer focuses on the care of your machine.

### **MATRIS reports on your efficiency**

MATRIS delivers detailed operating history analysis about the utilization and efficiency factors that influence your operating costs. MATRIS turns the data captured inside the machine's computer into easy-to-use graphs and reports. Maximize machine and operator performance, while reducing maintenance costs and increasing service life.

### **PROSIS makes parts ordering faster**

PROSIS is a CD-ROM application that makes it quick and easy for your Volvo dealer to order all your Volvo CE product parts. Your dealer will help you find the right part, place your order and get you back up and running fast.





- Dependability you can rely on for a wide variety of jobs.
- Lifetime greased, sealed track link and reinforced idler bracket ensure long life.
- Thick under plating and protected bolts: quality that stands up to tough conditions.
- Optional protected arm with longer, reinforced strip and replaceable steel plates at both ends offers less wear and less expensive arm end maintenance.
- Reinforced, robotically-welded undercarriage frame distributes stress with rigid strength.



• Trust and satisfaction you can rely on.



• Lifetime greased and sealed track link.



• Underside bolt protection endures tough conditions.



• Volvo is the partner you can grow with.

# PICK YOUR OPTIONS. PICK UP YOUR PROFITS.

Volvo is different from the rest. So are operators, applications and site conditions around the world. With your Volvo excavator, you've got a lot of options. And each one allows you to tailor your machine to meet your preferences – and most importantly to meet the requirements of more profit-enhancing jobs. Add a little extra comfort, more protection or additional safety features. Take your pick. The choice is yours.

## **Hydraulic kits**

A wide variety of hydraulic kits is available for various boom and arm combinations. Each kit maximizes performance according to the machine's boom and arm length/shape. Get the most out of rotating/tilting attachments, crushers and hammers. Choose between 1 or 2 pump flow for best performance.

## **Hydraulic quick fit**

A Volvo hydraulic quick fit makes changing attachments quick and easy – all from the comfort and safety of the cab. Different quick fit types (universal and S-type) are available to fit new and existing customers' buckets/attachments.

## **Wrist control joysticks - proportional control**

Low-effort, wrist control joysticks provide smooth, precision control for increased comfort, efficiency and production. Wrist control joysticks with proportional control switches are also available.

## **Operator seats**

Volvo offers a wide variety of ergonomic operator seats designed specifically for comfort and protection. All seats, from various adjustable models to the most advanced air-suspension models, provide excellent support and are individually adjustable to suit operator preferences.

## **FOG and FOPS cab protection**

For added safety and protection, FOG (Falling Object Guard) and FOPS (Falling Object Protective Structure) certified cabs provide peace-of-mind for tough conditions such as quarries and demolition. The front guard of the FOG unit is tiltable and

supported by a gas strut for easy front window cleaning. Both cab and frame-mounted FOG are available.

## **Rear view camera**

For improved safety on the jobsite, the manually-operated camera provides a clear rear view when reverse travel is selected or to the right hand side of the superstructure when the slew function is activated. A clear display is visible on the wide screen, color LCD of the IECU (Instrument Electronic Control Unit). The protected camera can be switched manually, using a selection switch on the keypad, to show either rear or side view.

## **Full-length derailing shield**

Keeps the track chain straight in uneven terrain, such as slopes and blasted rock – helping to avoid wear and extend life. The track chain is the most expensive wear part to replace, meaning the full-length derailing shield helps increase profit through lower repair costs.

## **Removable counterweight**

Volvo's hydraulic cylinder and linkage system makes removing and installing the removable counterweight quick and easy.

## **Retractable track gauge**

For easy transportation, the track gauge can be retracted from a 2 890 mm working width to 2 390 mm transportation width. The kit includes special tools for high torque tightening and loosening of bolts.

**To customize your excavator with other optional equipment features to suit your application, contact your local Volvo dealer.**



# VOLVO OPTIONAL EQUIPMENT



**Hydraulic kits**  
**Hydraulic quick fits**  
**Wrist control joysticks –  
 proportional control**

**Operator seats**  
**FOG and FOPS cab protection**  
**Rear view camera**

**Full-length derailing shield**  
**Removable counterweight**  
**Retractable track gauge**

**NOTE:** Some features listed as optional equipment are standard equipment in some markets. Some equipment features listed are not available in all markets. Not a complete list of available optional equipment features. See included specification sheet for a complete listing.

# VIEW THE FEATURES. EXPERIENCE THE BENEFITS.

## MORE SAFETY

- **The new-design Volvo Care Cab**, with operator protective structure provides security.
- **Anti-slip steps and platforms** with punched steel plates for superior grip even when wet or icy.
- **Low engine emission levels and low noise.**
- **Recessed bolts on superstructure** walk areas for less risk of trip hazard.
- **Lead-free exterior paint.**

## MORE PROFIT

- **Powerful Volvo V-ACT engine:** efficiently moves more material.
- **Industry-leading fuel efficiency** you've come to expect from Volvo.
- **Advanced hydraulic system** with priority functions and optional float position.
- **Optional quick fit** delivers versatile solutions.

## MORE COMFORT

- **New larger, more comfortable cab** puts you in command with ergonomic controls.
- **Roomy, adjustable seat** supports your whole body.



- **Top-mounted windshield wiper** cleans a wider area – including both upper corners.
- **Vibration dampening** helps reduce whole body fatigue for all-day productivity.
- **Electronic climate control system** delivers the highest-capacity heating and cooling available.



## MORE UPTIME

- **Simplified, ground level serviceability:** more uptime, more profits.
- **Easy access, centralized lubrication points.**
- **Easy-to-read LCD color monitor** for real-time information and trouble-shooting.
- **Easy to learn. Easy to operate. Easy to get more done.**

## MORE QUALITY

- **Strengthened undercarriage frame** stands up to unforgiving conditions.
- **Reinforced boom/arm and proven components** outlast the work.
- **Reinforced superstructure** with double welded corners.
- **Lifetime greased, sealed track link** prevents leaks and ensures long life.

# SPECIFICATIONS

## Engine

The next-generation Volvo diesel engine uses Volvo Advanced Combustion Technology (V-ACT) to deliver lower emissions and maintain superior performance and fuel efficiency. The EU Stage IIIA compliant engine uses precise, high-pressure fuel injectors, turbo charger and air to air intercooler and electronic engine controls to optimize machine performance.

<b>Engine</b>	Volvo D12D EAE3
<b>Max. power, at</b>	30 r/s (1 800 r/min)
<b>Net (ISO 9249, SAE J1349)</b>	235 kW (320 hp)
<b>Gross (SAE J1995)</b>	245 kW (333 hp)
<b>Max. torque at 1 350 r/min</b>	1 720 Nm
<b>No. of cylinders</b>	6
<b>Displacement</b>	12,1 l
<b>Bore</b>	131 mm
<b>Stroke</b>	150 mm

## Electrical system

High-capacity electrical system that is well protected. Waterproof double-lock harness plugs are used to secure corrosion-free connections. The main relays and solenoid valves are shielded to prevent damage. The master switch is standard.

<b>Voltage</b>	24 V
<b>Batteries</b>	2 x 12 V
<b>Battery capacity</b>	200 Ah
<b>Alternator</b>	28 V / 80 A

## Service refill capacities

<b>Fuel tank</b>	685 l
<b>Hydraulic system, total</b>	525 l
<b>Hydraulic tank</b>	270 l
<b>Engine oil</b>	42 l
<b>Engine coolant</b>	60 l
<b>Slew reduction unit</b>	2 x 6 l
<b>Travel reduction unit</b>	2 x 5,5 l

## Slew system

The slew system uses two axial piston motors, driving two planetary gearboxes for maximum torque. An automatic holding brake and anti-rebound valve are standard.

<b>Max. slew speed</b>	8,5 r/min
<b>Max. slew torque</b>	160 kNm

## Drive

Each track is powered by an automatic two-speed shift travel motor. Track brakes are multi-disc, spring-applied and hydraulically released. The travel motor, brake and planetary gears are well protected within the track frame.

<b>Max. drawbar pull</b>	325 kN
<b>Max. travel speed</b>	2,9/4,8 km/h
<b>Gradeability</b>	35°

## Undercarriage

The undercarriage has a robust X-shaped frame. Greased and sealed track links are standard.

<b>Track pads</b>	2 x 52
<b>Link pitch</b>	216 mm
<b>Shoe width, triple grouser</b>	600/700/800/900 mm
<b>Shoe width, double grouser</b>	600 mm
<b>Bottom rollers</b>	2 x 9
<b>Top rollers</b>	2 x 2

## Hydraulic system

The hydraulic system, also known as the "Integrated work mode control" is designed for high-productivity, high-digging capacity, high-maneuvering precision and excellent fuel economy. The summation system, boom, arm and slew priority along with boom, arm and bucket regeneration provides optimum performance.

The following important functions are included in the system:

**Summation system:** Combines the flow of both hydraulic pumps to ensure quick cycle times and high productivity.

**Boom priority:** Gives priority to the boom operation for faster raising when loading or performing deep excavations.

**Arm priority:** Gives priority to the arm operation for faster cycle times in levelling and for increased bucket filling when digging.

**Slew priority:** Gives priority to slew functions for faster simultaneous operations.

**Regeneration system:** Prevents cavitation and provides flow to other movements during simultaneous operations for maximum productivity.

**Power boost:** All digging and lifting forces are increased.

**Holding valves:** Boom and arm holding valves prevent the digging equipment from creeping.

## Main pump:

Type: 2 x variable displacement axial piston pumps  
Maximum flow: 2 x 345 l/min

## Pilot pump:

Type: Gear pump  
Maximum flow: 31 l/min

## Hydraulic motors:

Travel: Variable displacement axial piston motor with mechanical brake  
Slew: Fixed displacement axial piston motor with mechanical brake

## Relief valve setting:

Implement	31,4/34,3 MPa
Travel circuit	31,4 MPa
Slew circuit	24,5 MPa
Pilot circuit	3,9 MPa

## Hydraulic cylinders:

Boom	2
Bore x Stroke	ø165 x 1 590 mm
Arm	1
Bore x Stroke	ø190 x 1 850 mm
Bucket	1
Bore x Stroke	ø165 x 1 330 mm
ME bucket	1
Bore x Stroke	ø175 x 1 335 mm

## Cab

The new-design Volvo Care Cab, with operator protective structure provides security, along with more interior space, leg room and foot space. Audio system with remote control. 3 cup holders, 3 high-capacity outlets. Independently adjustable joystick consoles.

Excellent all around-visibility provided through maximum cab glass, transparent roof hatch and 2-piece sliding door window. The lift-up front windshield can easily be secured at the ceiling and the removable lower front glass can be stored in the side door. Interior lighting consists of one reading light and one cab light with timer.

The pressurized and filtered cab air is supplied by a 14-vent climate-control system, providing fast defrosting and high cooling and heating performance. Viscous/spring-mounted suspension cushions operator from vibrations.

Deluxe seat with adjustable height, tilt, recline, forward-back settings, retractable seat belt and selectable horizontal suspension for reduced whole body vibration.

Adjustable easy-to-read 16,3 cm (6,4") LCD color monitor provides real time information of machine functions, important diagnostic information and a wide variety of work tool settings. LCD monitor is switchable to rear view camera monitor (option).

## Sound Level:

**Sound level in cab according to ISO 6396**  
..... LpA 73 dB(A)

**External sound level according to ISO 6395 and EU Directive 2000/14/EC**  
..... LwA 106 dB(A)

## Ground pressure

- **EC460C L with fixed undercarriage** 7,0 m boom, 3,35 m arm, 2 060 l (1 730 kg) bucket, 9 300 kg counterweight

Description	Shoe width	Operating weight	Ground pressure	Overall width
Triple grouser	600 mm	45 600 kg	79,4 kPa	3 340 mm
	700 mm	46 100 kg	68,6 kPa	3 440 mm
	800 mm	46 600 kg	60,8 kPa	3 540 mm
	900 mm	47 120 kg	54,9 kPa	3 640 mm
Double grouser	600 mm	45 350 kg	78,5 kPa	3 340 mm

- **EC460C L with retractable undercarriage** 7,0 m boom, 3,35 m arm, 2 060 l (1 730 kg) bucket, 9 300 kg counterweight

Description	Shoe width	Operating weight	Ground pressure	Overall width
Triple grouser	600 mm	46 800 kg	81,4 kPa	3 490 mm
	700 mm	47 300 kg	70,6 kPa	3 590 mm
	800 mm	47 800 kg	62,8 kPa	3 690 mm
	900 mm	48 320 kg	55,9 kPa	3 790 mm
Double grouser	600 mm	46 550 kg	80,4 kPa	3 490 mm

## Max. permitted buckets

- Note: 1. Bucket size based on ISO 7451, heaped material with a 1:1 angle of repose.  
 2. "Max. permitted sizes" are for reference only and are not necessarily available from the factory.  
 3. Bucket widths are less than bucket's tip radius.

- **EC460C L with direct fit buckets:** Fixed undercarriage, 9 300 kg counterweight

Description	Max. bucket volume / weight	6,5 m ME boom	7,0 m boom			
		2,55 m arm	2,55 m arm	3,35 m arm	3,9 m arm	4,8 m arm
GP bucket 1,5 t/m <sup>3</sup>	l / kg	3 500 / 2 950	3 300 / 2 800	3 000 / 2 550	2 750 / 2 350	2 450 / 2 050
GP bucket 1,8 t/m <sup>3</sup>	l / kg	3 100 / 2 600	2 925 / 2 500	2 675 / 2 250	2 450 / 2 050	2 175 / 1 850
HD bucket 1,8 t/m <sup>3</sup>	l / kg	2 925 / 2 900	2 775 / 2 750	2 525 / 2 500	2 300 / 2 300	2 050 / 2 050
HD bucket 2,0 t/m <sup>3</sup>	l / kg	2 750 / 2 750	2 600 / 2 600	2 350 / 2 350	2 150 / 2 150	1 925 / 1 900

- **EC460C L with quick fit buckets:** Fixed undercarriage, 9 300 kg counterweight

Description	Max. bucket volume / weight	6,5 m ME boom	7,0 m boom			
		2,55 m arm	2,55 m arm	3,35 m arm	3,9 m arm	4,8 m arm
GP bucket 1,5 t/m <sup>3</sup>	l / kg	3 325 / 2 800	3 125 / 2 650	2 825 / 2 400	2 575 / 2 150	2 275 / 1 900
GP bucket 1,8 t/m <sup>3</sup>	l / kg	2 950 / 2 500	2 775 / 2 350	2 500 / 2 100	2 275 / 1 900	2 025 / 1 700
HD bucket 1,8 t/m <sup>3</sup>	l / kg	2 775 / 2 750	2 625 / 2 600	2 375 / 2 350	2 150 / 2 150	1 900 / 1 900
HD bucket 2,0 t/m <sup>3</sup>	l / kg	2 600 / 2 600	2 450 / 2 450	2 200 / 2 200	2 000 / 2 000	1 775 / 1 750

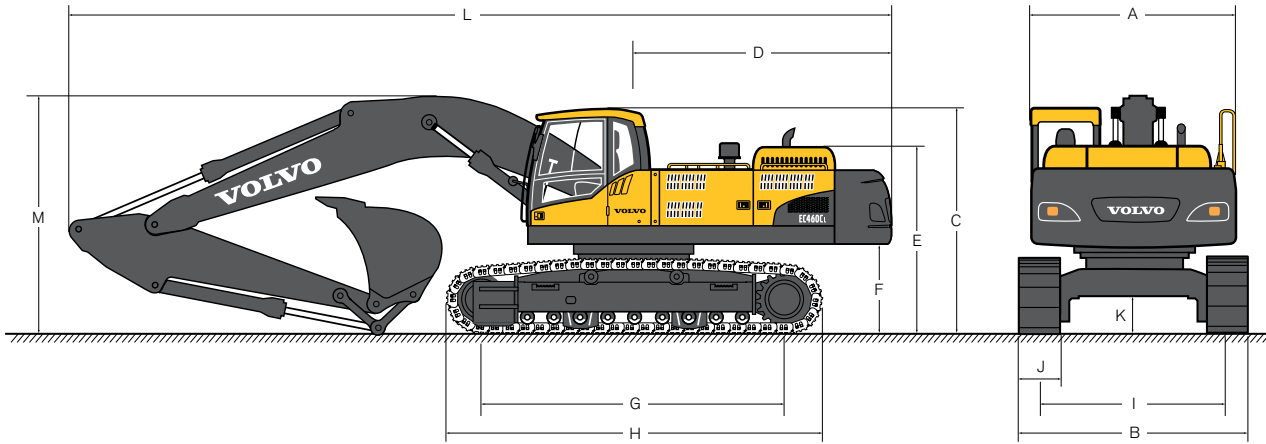
- **EC460C L with direct fit buckets:** Mechanically retractable undercarriage, 9 300 kg counterweight

Description	Max. bucket volume / weight	6,5 m ME boom	7,0 m boom			
		2,55 m arm	2,55 m arm	3,35 m arm	3,9 m arm	4,8 m arm
GP bucket 1,5 t/m <sup>3</sup>	l / kg	3 800 / 3 225	3 525 / 3 000	3 200 / 2 725	2 975 / 2 525	2 625 / 2 225
GP bucket 1,8 t/m <sup>3</sup>	l / kg	3 375 / 2 850	3 125 / 2 650	2 825 / 2 400	2 625 / 2 225	2 325 / 1 975
HD bucket 1,8 t/m <sup>3</sup>	l / kg	3 175 / 3 175	2 950 / 2 950	2 675 / 2 675	2 500 / 2 500	2 200 / 2 200
HD bucket 2,0 t/m <sup>3</sup>	l / kg	2 975 / 2 975	2 750 / 2 750	2 500 / 2 500	2 325 / 2 325	2 050 / 2 050

- **EC460C L with quick fit buckets:** Mechanically retractable undercarriage, 9 300 kg counterweight

Description	Max. bucket volume / weight	6,5 m ME boom	7,0 m boom			
		2,55 m arm	2,55 m arm	3,35 m arm	3,9 m arm	4,8 m arm
GP bucket 1,5 t/m <sup>3</sup>	l / kg	3 625 / 3 075	3 325 / 2 825	3 025 / 2 575	2 775 / 2 375	2 450 / 2 075
GP bucket 1,8 t/m <sup>3</sup>	l / kg	3 200 / 2 725	2 950 / 2 500	2 675 / 2 275	2 475 / 2 100	2 175 / 1 850
HD bucket 1,8 t/m <sup>3</sup>	l / kg	3 025 / 3 025	2 800 / 2 800	2 525 / 2 525	2 325 / 2 325	2 050 / 2 050
HD bucket 2,0 t/m <sup>3</sup>	l / kg	2 825 / 2 825	2 600 / 2 600	2 350 / 2 350	2 175 / 2 175	1 900 / 1 900

## Dimensions



### • EC460C L with fixed undercarriage

Description		6,5 m ME boom		7,0 m boom		
		2,55 m arm	2,55 m arm	3,35 m arm	3,9 m arm	4,8 m arm
A. Overall width of upper structure	mm	2 990	2 990	2 990	2 990	2 990
B. Overall width	mm	3 440	3 440	3 440	3 440	3 440
C. Overall height of cab	mm	3 257	3 257	3 257	3 257	3 257
D. Tail slew radius	mm	3 730	3 730	3 730	3 730	3 730
E. Overall height of engine hood	mm	2 750	2 750	2 750	2 750	2 750
F. Counterweight clearance *	mm	1 275	1 275	1 275	1 275	1 275
G. Tumbler length	mm	4 370	4 370	4 370	4 370	4 370
H. Track length	mm	5 370	5 370	5 370	5 370	5 370
I. Track gauge	mm	2 740	2 740	2 740	2 740	2 740
J. Shoe width	mm	700	700	700	700	700
K. Min. ground clearance *	mm	550	550	550	550	550
L. Overall length	mm	11 560	12 060	12 070	12 070	11 940
M. Overall height of boom	mm	3 770	3 630	3 650	3 690	4 650

\* Without shoe grouser

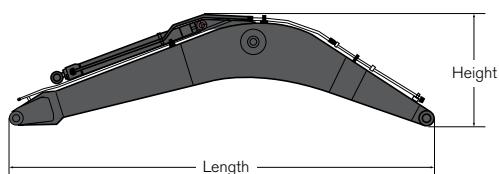


• EC460C L with mechanically retractable undercarriage

Description		6,5 m ME boom		7,0 m boom		
		2,55 m arm	2,55 m arm	3,35 m arm	3,9 m arm	4,8 m arm
A. Overall width of upper structure	mm	2 990	2 990	2 990	2 990	2 990
B. Overall width (extended)	mm	3 590	3 590	3 590	3 590	3 590
Overall width (retracted)	mm	3 090	3 090	3 090	3 090	3 090
C. Overall height of cab	mm	3 367	3 367	3 367	3 367	3 367
D. Tail slew radius	mm	3 730	3 730	3 730	3 730	3 730
E. Overall height of engine hood	mm	2 860	2 860	2 860	2 860	2 860
F. Counterweight clearance *	mm	1 385	1 385	1 385	1 385	1 385
G. Tumbler length	mm	4 370	4 370	4 370	4 370	4 370
H. Track length	mm	5 370	5 370	5 370	5 370	5 370
I. Track gauge (extended)	mm	2 890	2 890	2 890	2 890	2 890
Track gauge (retracted)	mm	2 390	2 390	2 390	2 390	2 390
J. Shoe width	mm	700	700	700	700	700
K. Min. ground clearance *	mm	746	746	746	746	746
L. Overall length	mm	11 560	12 060	12 070	12 070	11 940
M. Overall height of boom	mm	3 800	3 770	3 790	3 830	4 790

\* Without shoe grouser

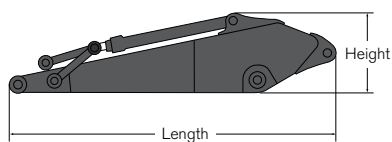
• Boom



Description		6,5 m ME	7,0 m
Length	mm	6 750	7 250
Height	mm	2 000	1 840
Width	mm	960	960
Weight	kg	4 094	4 134

\* Includes arm cylinder, piping and pin

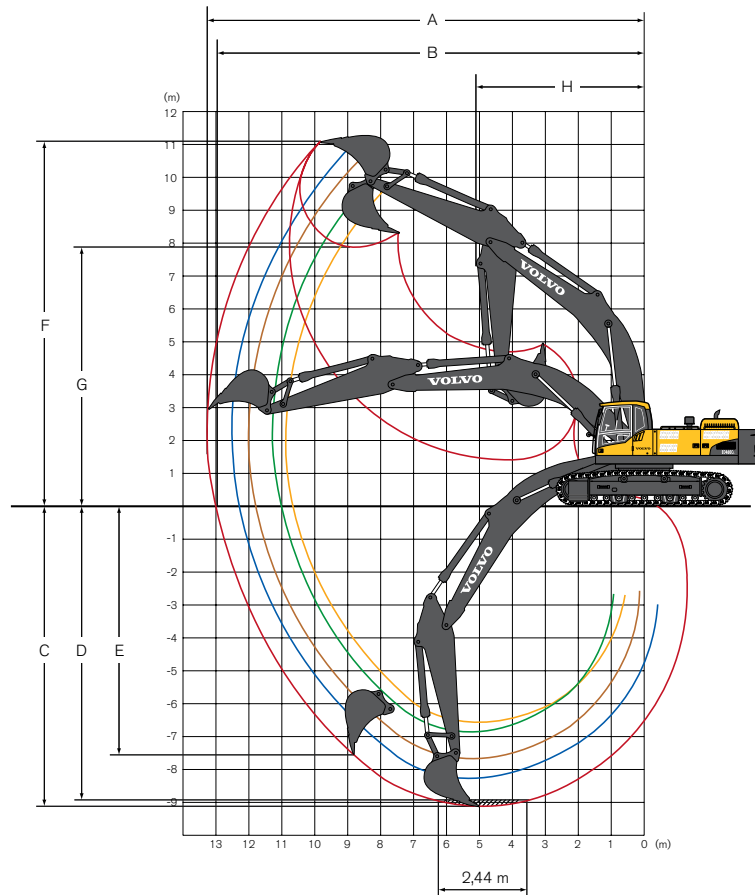
• Arm



Description		2,55 m	3,35 m GP	3,35 m HD	3,9 m	4,8 m
Length	mm	3 770	4 590	4 590	5 140	6 100
Height	mm	1 235	1 230	1 235	1 240	1 250
Width	mm	600	600	600	600	600
Weight	kg	2 310	2 410	2 557	2 580	2 725

\* Includes bucket cylinder, linkage and pin

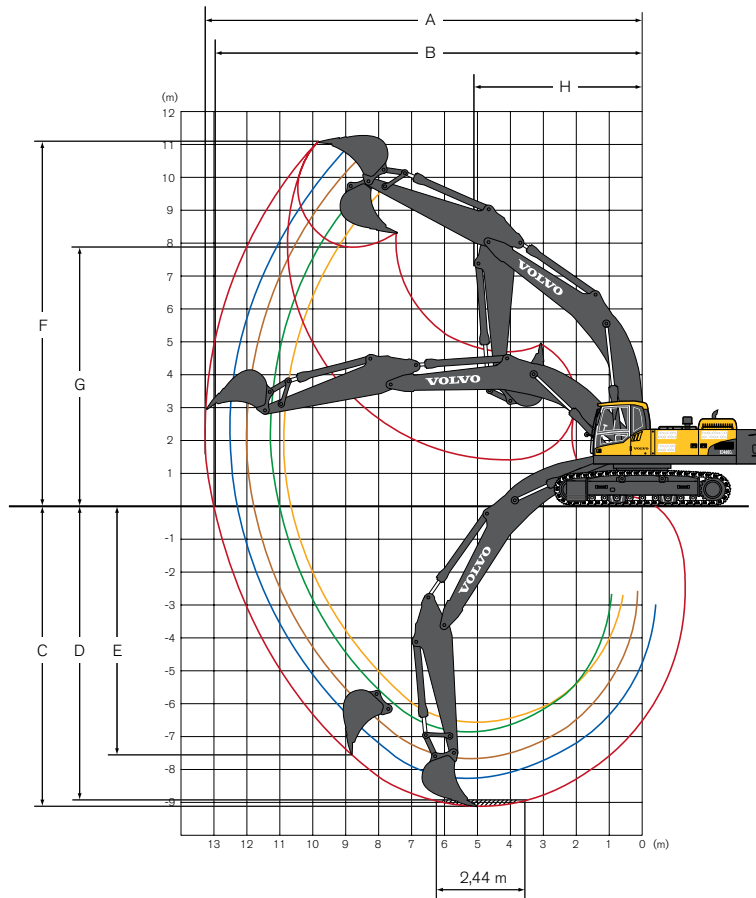
## Working ranges & digging force



### • EC460C L with fixed undercarriage

Machine with direct fit bucket		6,5 m ME boom		7,0 m boom		
		2,55 m arm	2,55 m arm	3,35 m arm	3,9 m arm	4,8 m arm
A. Max. digging reach	mm	10 900	11 310	12 000	12 500	13 220
B. Max. digging reach on ground	mm	10 660	11 070	11 780	12 290	13 020
C. Max. digging depth	mm	6 570	6 900	7 700	8 250	9 150
D. Max. digging depth (2,44 m level)	mm	6 400	6 720	7 550	8 120	9 030
E. Max. vertical wall digging depth	mm	5 800	6 150	6 840	7 300	7 730
F. Max. cutting height	mm	10 580	10 820	10 970	11 150	11 090
G. Max. dumping height	mm	6 980	7 440	7 650	7 840	7 870
H. Min. front slew radius	mm	4 770	5 170	5 090	4 990	5 040

Digging forces with direct fit bucket			6,5 m ME boom		7,0 m boom		
			2,55 m arm	2,55 m arm	3,35 m arm	3,9 m arm	4,8 m arm
Bucket radius	mm	1 923	1 810	1 810	1 810	1 810	
Breakout force - bucket (Normal/Power boost)	SAE J1179	kN	245,2 / 267,7	222,6 / 244,2	222,6 / 244,2	222,6 / 244,2	222,6 / 244,2
	ISO 6015	kN	276,5 / 302,0	253,0 / 276,5	253,0 / 276,5	253,0 / 276,5	253,0 / 276,5
Tearout force - arm (Normal/Power boost)	SAE J1179	kN	217,7 / 237,3	224,6 / 245,2	190,2 / 208,9	170,6 / 186,3	154,9 / 169,6
	ISO 6015	kN	224,6 / 246,1	231,4 / 253,0	195,1 / 213,8	173,6 / 190,2	157,9 / 172,6
Rotation angle, bucket	deg.	169	183	183	183	183	



• EC460C L with mechanically retractable undercarriage

Machine with direct fit bucket		6,5 m ME boom		7,0 m boom		
		2,55 m arm	2,55 m arm	3,35 m arm	3,9 m arm	4,8 m arm
A. Max. digging reach	mm	10 900	11 310	12 000	12 500	13 220
B. Max. digging reach on ground	mm	10 630	11 050	11 750	12 260	12 990
C. Max. digging depth	mm	6 440	6 770	7 570	8 120	9 020
D. Max. digging depth (2,44 m level)	mm	6 270	6 590	7 420	7 980	8 900
E. Max. vertical wall digging depth	mm	5 670	6 020	6 710	7 170	7 600
F. Max. cutting height	mm	10 710	10 950	11 110	11 280	11 220
G. Max. dumping height	mm	7 110	7 570	7 780	7 970	8 000
H. Min. front slew radius	mm	4 770	5 170	5 090	4 990	5 040















Digging forces with direct fit bucket			6,5 m ME boom		7,0 m boom		
			2,55 m arm	2,55 m arm	3,35 m arm	3,9 m arm	4,8 m arm
Bucket radius	mm		1 923	1 810	1 810	1 810	1 810
Breakout force - bucket (Normal/Power boost)	SAE J1179	kN	245,2 / 267,7	222,6 / 244,2	222,6 / 244,2	222,6 / 244,2	222,6 / 244,2
	ISO 6015	kN	276,5 / 302,0	253,0 / 276,5	253,0 / 276,5	253,0 / 276,5	253,0 / 276,5
Tearout force - arm (Normal/Power boost)	SAE J1179	kN	217,7 / 237,3	224,6 / 245,2	190,2 / 208,9	170,6 / 186,3	154,9 / 169,6
	ISO 6015	kN	224,6 / 246,1	231,4 / 253,0	195,1 / 213,8	173,6 / 190,2	157,9 / 172,6
Rotation angle, bucket	deg.		169	183	183	183	183

## Lifting capacity

At the arm end without bucket.

For lifting capacity including bucket, simply subtract actual weight of the direct fit bucket or the bucket with quick fit from the following values.

### • EC460C L with fixed undercarriage

 Across undercarriage  Along undercarriage	Lifting hook related to ground level	3,0 m		4,5 m		6,0 m		7,5 m		9,0 m		Max. reach		
														Max. mm
ME boom 6,5 m + Arm 2,55 m + Shoe 600 mm + Counterweight 9 300 kg	6,0 m kg					*12 860	*12 860	*11 840	10 250			*11 050	8 940	8 140
	4,5 m kg			*19 240	*19 240	*14 670	13 930	*12 580	9 990			*11 060	7 950	8 680
	3,0 m kg			*22 060	20 050	*16 720	13 300	*13 590	9 670			*11 440	7 470	8 940
	1,5 m kg			*15 740	*15 740	*18 290	12 820	*14 460	9 400			11 580	7 350	8 940
	0 m kg			*23 190	19 220	*18 930	12 570	14 860	9 240			12 020	7 600	8 680
	-1,5 m kg	*16 930	*16 930	*24 370	19 290	*18 520	12 530	*14 460	9 220			*12 910	8 310	8 130
	-3,0 m kg	*28 150	*28 150	*21 790	19 550	*16 760	12 690					*13 030	9 880	7 230
	-4,5 m kg			*16 830	*16 830							*12 390	*12 390	5 810
Boom 7,0 m + Arm 2,55 m + Shoe 600 mm + Counterweight 9 300 kg	6,0 m kg					*12 630	*12 630	*11 310	10 270			*10 980	8 060	8 710
	4,5 m kg					*14 650	13 740	*12 250	9 940	*11 110	7 550	*11 060	7 260	9 220
	3,0 m kg					*16 750	13 060	*13 350	9 590	*11 570	7 390	10 720	6 860	9 460
	1,5 m kg					*18 240	12 590	*14 270	9 300	11 420	7 250	10 620	6 760	9 460
	0 m kg					*18 790	12 380	14 730	9 130	11 330	7 170	10 970	6 950	9 210
	-1,5 m kg			*23 890	19 060	*18 450	12 360	*14 580	9 100			11 920	7 520	8 700
	-3,0 m kg	*25 020	*25 020	*21 800	19 310	*17 100	12 510	*13 300	9 250			*12 280	8 720	7 870
	-4,5 m kg					*18 060	*18 060	*13 930	12 890			*12 020	11 390	6 590
Boom 7,0 m + Arm 3,35 m + Shoe 600 mm + Counterweight 9 300 kg	6,0 m kg							*10 290	*10 290	*9 860	7 860	*8 660	7 210	9 460
	4,5 m kg			*17 390	*17 390	*13 320	*13 320	*11 360	10 150	*10 320	7 700	*8 730	6 570	9 930
	3,0 m kg			*22 140	*20 140	*15 620	13 380	*12 620	9 750	*10 980	7 490	*9 030	6 240	10 150
	1,5 m kg			*14 340	*14 340	*17 490	12 790	*13 750	9 410	11 480	7 300	*9 580	6 140	10 150
	0 m kg			*17 590	*17 590	*18 550	12 450	*14 520	9 170	11 330	7 160	9 860	6 270	9 920
	-1,5 m kg	*12 690	*12 690	*25 020	18 910	*18 720	12 330	14 670	9 070	11 280	7 120	10 550	6 690	9 450
	-3,0 m kg	*21 670	*21 670	*23 500	19 080	*17 960	12 390	*14 150	9 100			*11 590	7 540	8 690
	-4,5 m kg	*27 480	*27 480	*20 640	19 440	*15 930	12 620	*11 970	9 360			*11 780	9 260	7 560
Boom 7,0 m + Arm 3,9 m + Shoe 600 mm + Counterweight 9 300 kg	6,0 m kg							*9 450	*9 450	*9 090	7 890	*6 990	6 580	9 990
	4,5 m kg					*12 190	*12 190	*10 560	10 180	*9 650	7 690	*7 050	6 020	10 440
	3,0 m kg			*20 150	*20 150	*14 550	13 430	*11 880	9 740	*10 390	7 440	*7 280	5 720	10 650
	1,5 m kg			*19 550	19 180	*16 630	12 740	*13 130	9 330	*11 130	7 210	*7 710	5 620	10 650
	0 m kg			*19 410	18 640	*17 980	12 290	*14 060	9 040	11 200	7 030	*8 390	5 720	10 430
	-1,5 m kg	*12 720	*12 720	*24 360	18 510	*18 480	12 090	14 470	8 880	11 100	6 940	*9 490	6 050	9 980
	-3,0 m kg	*19 640	*19 640	*24 030	18 620	*18 090	12 090	*14 240	8 860	11 140	6 970	10 700	6 720	9 270
	-4,5 m kg	*28 640	*28 640	*21 730	18 930	*16 620	12 260	*12 910	9 020			*11 180	8 030	8 220
-6,0 m kg			*17 480	*17 480	*13 150	12 700					*11 160	11 010	6 670	
Boom 7,0 m + Arm 4,8 m + Shoe 600 mm + Counterweight 9 300 kg	6,0 m kg									*7 930	*7 930	*6 480	5 820	10 760
	4,5 m kg							*9 250	*9 250	*8 600	7 740	*6 570	5 350	11 180
	3,0 m kg			*16 980	*16 980	*12 770	*12 770	*10 660	9-820	*9 440	7 440	*6 800	5 080	11 380
	1,5 m kg			*21 240	19 530	*15 130	12 850	*12 070	9 340	*10 310	7 150	*7 200	4 980	11 380
	0 m kg			*23 570	18 560	*16 920	12 230	*13 240	8 940	*11 050	6 910	*7 830	5 030	11 170
	-1,5 m kg	*12 870	*12 870	*24 770	18 150	*17 920	11 880	*13 990	8 690	10 910	6 750	8 460	5 270	10 750
	-3,0 m kg	*18 000	*18 000	*24 500	18 100	*18 090	11 750	14 180	8 590	10 850	6 690	9 250	5 750	10 090
	-4,5 m kg	*24 690	*24 690	*23 070	18 290	*17 330	11 820	*13 590	8 640	*10 710	6 790	*10 430	6 660	9 140
-6,0 m kg	*28 230	*28 230	*20 130	18 720	*15 250	12 110	*11 580	8 900			*10 880	8 490	7 780	
















- Notes:
1. Machine in "Fine Mode-F" (Power Boost) for lifting capacities.
  2. The above loads are in compliance with SAE J1097 and ISO 10567 Hydraulic Excavator Lifting Capacity Standards.
  3. Rated loads do not exceed 87% of hydraulic lifting capacity or 75% of tipping load.
  4. Rated loads marked with an asterisk (\*) are limited by hydraulic capacity rather than tipping load.

## Lifting capacity

At the arm end without bucket.

For lifting capacity including bucket, simply subtract actual weight of the direct fit bucket or the bucket with quick fit from the following values.

### • EC460C L with mechanically retractable undercarriage

 Across undercarriage  Along undercarriage	Lifting hook related to ground level	3,0 m		4,5 m		6,0 m		7,5 m		9,0 m		Max. reach		
														
ME boom 6,5 m + Arm 2,55 m + Shoe 600 mm + Counterweight 9 300 kg	6,0 m kg					*13 000	*13 000	*11 890	10 360			*11 040	8 940	8 200
	4,5 m kg			*19 690	*19 690	*14 860	14 050	*12 670	10 090			*11 070	7 990	8 720
	3,0 m kg					*16 900	13 410	*13 680	9 770			*11 490	7 540	8 950
	1,5 m kg			*16 090	*16 090	*18 390	12 960	*14 520	9 510			11 770	7 460	8 920
	0 m kg			*24 220	19 480	*18 930	12 730	*14 880	9 360			12 280	7 750	8 640
	-1,5 m kg	*18 290	*18 290	*24 190	19 560	*18 420	12 710	*14 360	9 360			*12 940	8 530	8 060
	-3,0 m kg	*27 690	*27 690	*21 460	19 840	*16 490	12 890					*13 020	10 240	7 120
	-4,5 m kg													
Boom 7,0 m + Arm 2,55 m + Shoe 600 mm + Counterweight 9 300 kg	6,0 m kg					*12 800	*12 800	*11 380	10 380			*10 980	8 080	8 770
	4,5 m kg					*14 850	13 860	*12 350	10 050	*11 150	7 650	*11 070	7 310	9 250
	3,0 m kg					*16 930	13 190	*13 450	9 700	*11 620	7 490	10 870	6 940	9 470
	1,5 m kg					*18 330	12 740	*14 340	9 420	11 590	7 350	10 800	6 870	9 450
	0 m kg			*13 680	*13 680	*18 790	12 550	*14 770	9 260	11 510	7 280	11 210	7 100	9 180
	-1,5 m kg			*23 740	19 350	*18 370	12 550	*14 520	9 240			*12 120	7 720	8 640
	-3,0 m kg	*26 440	*26 440	*21 540	19 620	*16 910	12 720	*13 070	9 410			*12 290	9 020	7 770
	-4,5 m kg			*17 570	*17 570	*13 430	13 140					*11 940	*11 940	6 440
Boom 7,0 m + Arm 3,35 m + Shoe 600 mm + Counterweight 9 300 kg	6,0 m kg							*10 380	*10 380	*9 890	7 950	*8 660	7 230	9 510
	4,5 m kg			*17 850	*17 850	*13 540	*13 540	*11 480	10 240	*10 380	7 780	*8 750	6 620	9 960
	3,0 m kg			*20 610	20 270	*15 820	13 480	*12 730	9 850	*11 040	7 580	*9 060	6 310	10 160
	1,5 m kg			*14 380	*14 380	*17 630	12 920	*13 840	9 510	11 630	7 390	*9 650	6 230	10 140
	0 m kg			*18 140	*18 140	*18 600	12 600	*14 560	9 290	11 490	7 260	10 060	6 390	9 890
	-1,5 m kg	*13 490	*13 490	*24 950	19 180	*18 690	12 500	*14 710	9 190	11 450	7 220	10 800	6 840	9 390
	-3,0 m kg	*22 600	*22 600	*23 300	19 360	*17 840	12 570	*14 040	9 250			*11 610	7 760	8 600
	-4,5 m kg	*26 930	*26 930	*20 270	19 740	*15 640	12 830					*11 780	9 640	7 430
Boom 7,0 m + Arm 3,9 m + Shoe 600 mm + Counterweight 9 300 kg	6,0 m kg							*9 540	*9 540	*9 130	7 980	*6 990	6 610	10 050
	4,5 m kg					*12 410	*12 410	*10 680	10 280	*9 720	7 770	*7 060	6 070	10 470
	3,0 m kg			*20 550	*20 550	*14 770	13 550	*12 000	9 830	*10 460	7 530	*7 310	5 790	10 660
	1,5 m kg			*19 150	*19 150	*16 790	12 870	*13 230	9 440	*11 190	7 300	*7 760	5 710	10 640
	0 m kg			*19 710	18 890	*18 060	12 450	*14 120	9 160	11 370	7 130	*8 480	5 830	10 400
	-1,5 m kg	*13 320	*13 320	*25 000	18 790	*18 480	12 270	*14 500	9 010	11 280	7 040	*9 610	6 190	9 930
	-3,0 m kg	*20 360	*20 360	*23 870	18 910	*18 010	12 280	*14 180	9 010	*11 280	7 100	*10 890	6 920	9 190
	-4,5 m kg	*29 500	*29 500	*21 440	19 240	*16 410	12 480	*12 690	9 190			*11 200	8 340	8 100
-6,0 m kg			*16 920	*16 920	*12 620	*12 620					*11 120	*11 120	6 490	
Boom 7,0 m + Arm 4,8 m + Shoe 600 mm + Counterweight 9 300 kg	6,0 m kg									*7 980	*7 980	*6 480	5 860	10 810
	4,5 m kg							*9 370	*9 370	*8 670	7 820	*6 580	5 400	11 200
	3,0 m kg			*17 420	*17 420	*13 000	*13 000	*10 790	9 910	*9 520	7 530	*6 830	5 150	11 390
	1,5 m kg			*21 560	19 680	*15 330	12 970	*12 190	9 430	*10 380	7 240	*7 250	5 060	11 370
	0 m kg			*23 460	18 780	*17 040	12 370	*13 330	9 050	*11 110	7 000	*7 910	5 130	11 140
	-1,5 m kg	*13 300	*13 300	*24 790	18 410	*17 970	12 040	*14 030	8 810	11 090	6 850	8 660	5 390	10 700
	-3,0 m kg	*18 540	*18 540	*24 420	18 380	*18 060	11 930	*14 160	8 720	11 040	6 800	9 510	5 910	10 020
	-4,5 m kg	*25 430	*25 430	*22 870	18 590	*17 210	12 020	*13 480	8 790	*10 550	6 920	*10 480	6 880	9 030
-6,0 m kg	*27 620	*27 620	*19 750	19 050	*14 960	12 330	*11 250	9 090			*10 910	8 890	7 630	

- Notes:
1. Machine in "Fine Mode-F" (Power Boost) for lifting capacities.
  2. The above loads are in compliance with SAE J1097 and ISO 10567 Hydraulic Excavator Lifting Capacity Standards.
  3. Rated loads do not exceed 87% of hydraulic lifting capacity or 75% of tipping load.
  4. Rated loads marked with an asterisk (\*) are limited by hydraulic capacity rather than tipping load.

## STANDARD EQUIPMENT

### Engine

Turbocharged, 4 stroke diesel engine with water cooling, direct injection and charged air cooler that meets EU Stage IIIA requirements  
3-stage air filter with indicator and precleaner  
Air intake heater  
Electric engine shut-off  
Fuel filter and water separator  
Fuel filler pump: 50 l/min, with automatic shut-off  
Alternator, 80 A

### Electric/Electronic control system

Contronics  
– Advanced mode control system  
– Self-diagnostic system  
Machine status indication  
Engine speed sensing power control  
Automatic idling system  
One-touch power boost  
Safety stop/start function  
Adjustable LCD color monitor  
Master electrical disconnect switch  
Engine restart prevention circuit  
High-capacity halogen lights:  
– Frame-mounted 2  
– Boom-mounted 4  
Batteries, 2 x 12 V / 200 Ah  
Start motor, 24 V / 7 kW

### Hydraulic system

Hose rupture valve: boom  
Overload warning device

Automatic sensing hydraulic system

- Summation system
- Boom priority
- Arm priority
- Slew priority

Boom and arm regeneration valves  
Slew anti-rebound valves  
Boom and arm holding valves  
Multi-stage filtering system  
Cylinder cushioning  
Cylinder contamination seals  
Auxiliary hydraulic valve  
Automatic two-speed travel motors  
Hydraulic oil, ISO VG 46

### Superstructure

Access way with handrail  
Full height counterweight: 9 300 kg  
Tool storage area  
Punched metal anti-slip plates  
Undercover (heavy-duty 4,5 mm)

### Cab and interior

Fabric seat with heater and air suspension  
Control joysticks with 4 switches each  
Heater & air-conditioner, automatic  
Hydraulic dampening cab mounts  
Adjustable operator seat and joystick control console  
Flexible antenna  
Hydraulic safety lock lever  
Cab, all-weather sound suppressed, includes:  
– Ashtray  
– Cup holder (x3)

- Lighter
  - Door locks
  - Tinted glass
  - Floor mat
  - Horn
  - Large storage area
  - Pull-up type front window
  - Removable lower windshield
  - Seat belt
  - Safety glass
  - Sun shields, front, roof, rear
  - Rain shield
  - Windshield wiper with intermittent feature
- Anti-vandalism kit assembly preparation  
Master key

### Undercarriage

Hydraulic track adjusters  
Greased and sealed track link  
Track guide  
Undercover (heavy-duty 10 mm)

### Track shoes

Track shoes 700 mm with triple grousers

### Digging equipment

Boom: 7,0 m HD  
Arm: 3,35 m HD  
Centralized lubrication

### Service

Tool kit, daily maintenance

## OPTIONAL EQUIPMENT

### Engine

Block heater: 240 V  
Oil bath pre-cleaner  
Diesel driven coolant heater  
Water separator with heater

### Electric

Extra lights:  
– Cab front top-mounted 2  
– Cab rear-mounted 1  
– Counterweight-mounted 1  
Travel alarm  
Anti-theft system  
Rotating warning beacon

### Hydraulic system

Hose rupture valve: arm  
Boom float function  
Hydraulic piping:  
– Hammer & shear, 1 and 2 pump flow  
– Slope & rotator

- Grapple
  - Oil leak (drain) line
  - Quick fit piping
- Volvo hydraulic quick fit, S3 size  
Hydraulic oil, ISO VG 32  
Hydraulic oil, ISO VG 68  
Hydraulic oil, biodegradable 32  
Hydraulic oil, biodegradable 46

### Superstructure

Hydraulic removable counterweight

### Cab and interior

Fabric seat  
Fabric seat with heater  
Control joystick with semi-long levers  
Control joystick with proportional control  
Falling object guard (FOG)  
– Frame-mounted  
– Cab-mounted

Cab-mounted falling object protective structure (FOPS)  
Screen guard for front window  
Sunlight protection, roof (steel)  
Lower wiper with intermittent control  
Anti-vandalism kit  
Specific key  
Rear view camera

### Undercarriage

Full track guard  
Mechanically retractable track gauge

### Digging equipment

Boom: 6,5 m ME  
Arm: 2,55 m  
3,9 m  
4,8 m

### Service

Tool kit, full scale

## NOTES



Volvo Construction Equipment is different. It's designed, built and supported in a different way. That difference comes from an engineering heritage of over 170 years. A heritage of thinking first about the people who actually use the machines. About how to help them be safer, more comfortable, more productive. About the environment we all share. The result of that thinking is a growing range of machines and a global support network dedicated to helping you do more. People around the world are proud to use Volvo. And we're proud of what makes Volvo different – **More care. Built in.**



*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**

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