

84,670 – 87,540 lb, 247 hp

VOLVO EXCAVATOR

EC360C



MORE CARE. BUILT IN.



VOLVO – A PARTNER TO TRUST.

To Volvo, trust is of vital importance. That's why we build our machines to the highest standard, to earn and maintain your trust. For a business partner you can depend on, go to work with the trusted Volvo EC360C Excavator. It's the heavy-duty production machine that will tear through your work with ease. From earth moving, hauler loading and demolition to drainage, quarry work and civil engineering, it's here to work hard for you. And with Volvo comfort, safety and industry-leading fuel economy you can trust it to help you get more done and make more profit.

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.

New innovations in comfort

More comfort leads to less fatigue and higher productivity. And more operators around the world know Volvo as the innovators of comfort. The innovation continues with the EC360C and its larger, more ergonomic work environment. Visibility is better. So are the seat, floor space and access to controls/switches.

Leading fuel efficiency, longer endurance

Get the most out of each tank of fuel and the most work out of each day with industry-leading fuel efficiency. The EC360C helps you go farther.

The strength of Volvo quality

Quality lasts. That is why Volvo is built with strength and high quality throughout. If you have ever operated a Volvo Wheel Loader, Articulated Hauler or any of our machines, you know that Volvo is your edge. From the well-built cab details to the reinforced service doors to the rigid, long-life undercarriage, the Volvo difference is clear.

The right protection

The Volvo EC360C's proven, long life booms and arms are ready for the toughest conditions. It has been designed and tested to deliver strength and day after day endurance. Count on Volvo to help your business grow by getting the job done, making money and moving on to the next job. The standard machine configuration has a maximum digging reach of 11.2 m (36' 9") and a maximum digging depth of 7.5 m (24' 7"). It's ready to help you reach a greater profit potential.

Our experience, your work

Get the job done in the excavator made for your work. From new road construction, 25-ton hauler loading and demolition to reclamation work, retention pond digging and utility/piping, the Volvo EC360C Excavator puts you in command.



• Volvo: a sign of trust and quality.



• Reinforced boom/arm handles the jobs.



• Ideal reach and lift capacity.



• Intelligent command means greater profits.



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

- Reliable, reinforced boom and arm handle a variety of jobs with ease.
- Fast cycle times while excavating, loading and lifting are a result of an ideal combination of capacity, reach and force.
- Volvo high-tech toughness puts you comfortably in command of greater profits.
- Powerful Volvo V-ACT engine delivers proven performance and industry-leading fuel efficiency through high torque at low revs.

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.



ENDURING COMFORT AND SAFETY.

The protection you expect and the comfort you deserve can all be found in one place: the Volvo EC360C. Built on a heritage of legendary Volvo comfort and safety, the EC360C is now even better. The cab is more spacious. The seat cradles your head, neck and back in support. The expansive floor accommodates large work boots. There's lots of glass for improved all-around visibility. Experience advanced climate control. Add it all up, get in the cab and see for yourself. You'll gain a feeling of ease and all-day endurance that will help you accomplish more than you thought possible.

The command of the comfortable cab

Volvo is the industry leader in comfort and the EC360C offers greater cab improvements. The adjustable seat supports the whole body. The cab is wider and pedal positions have been shifted forward for more foot space. Find the correct joystick, seat and pedal position 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.

Intelligently in control

Experience improved command with plenty of glazed surface. There's better all around visibility, including greatly expanded upper visibility through a roof hatch that offers an optimal view during high-reach applications. The gas strut assisted windshield opens easily, while the smartly positioned windshield wiper cleans a wider area – including both upper corners. The easy-to-read LCD color monitor offers real-time information. The EC360C Volvo engine produces less noise and the pressurized, well-insulated cab blocks sound.

High-tech climate control

The EC360C is the ultimate, modern work environment. Intelligently going

beyond automobile technology, the EC360C'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.

A safe work space

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 swinging or traveling.

Trusted superstructure safety

All steps, platforms and superstructure walk areas 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.

Environmental protection

More than 95% of the machine materials are recyclable. External sound levels have been greatly reduced for fewer disturbances. The machine's exterior paint is lead-free. Safely working in harmony with the people and environment around you is a core concern of Volvo.



- Expansive glass and clear sight lines provide outstanding all-around visibility with greater safety.
- Experience the adjustable suspension seat and take command of the jobsite.
- Intelligent new, easy-to-read LCD color monitor and perfectly positioned controls.

- All-new cab is larger and more comfortable with ergonomic controls and vibration dampening suspension for all-day production.
- Electronic climate control system distributes comfort evenly with 14 air vents and the highest capacity heating and cooling available in the excavator industry.



• Experience the comfort of the suspension seat.



• Well-positioned monitor and controls.



• Greater floor space with larger pedals.



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

EASY TO SERVICE, EASY TO INCREASE PROFITS.

Everybody wants the same thing and that's to get the most out of each day to maximize profit. That's why you need the Volvo EC360C. It's built for high production to tame difficult terrain and tough conditions. It has everything you need, including a reliable Volvo engine, responsive hydraulics and the capacity to excel wherever you take it. And with simple maintenance and complete service access, you spend more of your time doing what you do best: working hard and making money. Starting with Volvo is the easy part.

Strong, new generation engine

Experience the power and strength of the EC360C's new generation Tier 3 compliant V-ACT (Volvo Advanced Combustion Technology) engine. It delivers 247 hp (184 kW) of optimized output with high engine torque at low revs, for ultra-efficient fuel consumption.

Commanding hydraulic performance

The advanced hydraulic system will help your productivity – with the boom, arm and swing priority you demand. It's also highly responsive, for control that allows you to know exactly what to expect when you touch the joystick. In-cab operator-selectable hydraulic flow and pressure increases ease of attachment use and performance.

Smartly fits your application

In addition to the proven S-Type quick fit, the new optional universal quick fit with a proven design makes it easy to change attachments. Experience the Volvo edge with increased bucket speed, optional float position and a wide range of working modes that let you match requirements to the application, attachment and terrain.

Experience ease of access

Ease of service helps maximize uptime, and the Volvo EC360C has simplified it. Ground level access makes inspection and service quick and easy. Change the oil, fuel and water separator filters, as well as drain the oil and access the hydraulic pump – all from the ground. Inside the cab, quickly perform self-diagnostics through the color LCD monitor.

Quick routine maintenance

Get each day started quickly with easy routine maintenance. The cab air filter is conveniently located outside the cab for easy replacement. Fuses are sealed and protected in a ground-accessible, steel box behind the cab. The sloped track frame design reduces build up of mud and debris.

Innovative hydraulic oil cooler

Fan speed is hydraulically driven, intuitively sensing hydraulic oil temperature and automatically activating to keep the system regulated at an optimized temperature. You get less noise and lower fuel consumption. O-ring faced sealing is used in all hydraulic connections for added reliability. An anti-corrosive aluminium cooling module offers better heat dissipation and long life.

Common parts give you an edge

You'll appreciate ease of parts availability, lower operating costs and over 100 components and consumable parts common to other Volvo machines you may run.



• Simplified, ground level service access.



• Easy access for hydraulic pump filters.



• Safe, anti-slip steps and platforms.



• More care built in through quality.

- 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.
- Intelligent, advanced hydraulic system balances available engine power with hydraulic output for smooth, responsive control.
- More uptime from well-protected hydraulic lines and easy-access grease points.



PUT THE STRENGTH OF VOLVO BEHIND YOU.

You know when something is quality built. You can see it and feel it. Here's the Volvo EC360C, and if you want quality, you just found what you are looking for. The strength of Volvo goes into everything we design and it's the blueprint behind the EC360C. Durability is forged into the arm, undercarriage, track, panels and components. Reliability is proven in trenches, quarries and on jobsites around the world. Demanding work demands an excavator that rises to the challenge time after time. The Volvo EC360C is ready. Come see for yourself.

Quality, strength, value

Volvo quality goes into the entire machine. It's in the rigid service doors, engine hood and protected electrical system. It's in the strengthened, high-tensile steel undercarriage frames, along with the reinforced booms and arms. It's in the reinforced superstructure with double welded corners and load-bearing boom frame. It's built for lower cost of ownership and higher resale value.

Built for protection

The Volvo EC360C undercarriage and track handle tough conditions with superior durability, reliability and stability. The lifetime greased sealed track link prevents grease leaks, reduces noise and guarantees longevity. A reinforced idler bracket prevents opening and track link derailing. For stability, the EC360C features an increased tumbler length.

Tough, yet intelligent

The Volvo EC360C isn't just tough, it's also intelligent and easy to operate. The machine's computer balances maximum available horsepower to hydraulic output, preventing engine overload – regardless of load on the pumps or engine speed. Volvo can do this because it's a Volvo engine, designed by Volvo engineers to specifically work with Volvo components.

Rely on your Volvo dealer for the support services you need:

CareTrack helps track your machine

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 gives you a full report

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. Check and correct operating techniques, reduce maintenance costs and increase 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.



• Lifetime greased sealed track link.



• Your trust. Your satisfaction. Your edge.



• Optional protected arm with reinforced strip.



• Volvo is the partner you can grow with.

- Lifetime greased and sealed track link ensures long life.
- Your Volvo dealer is always there to help with parts, service and support.
- 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.
- Durable, standard undercover on the underside of the x-shaped frame provides extra protection.



TAKING EXCAVATORS TO THE NEXT LEVEL – YOURS.

Volvo built the EC360C Excavator to a higher standard. We start with “More care. Built in.” Now, you have the opportunity to add the finishing touches to make it just right for you and your work. Customize your excavator with some extra comfort features or exterior protection. Increase your versatility and maximize your profitability. Look to Volvo for the new standard in optional equipment. It’s built to work. It’s built for you.

Hydraulic kits

A wide variety of hydraulic kits are 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. Hydraulic flow is easily adjusted from the cab. Up to 20 presets can be saved.

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 swing 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.

Extra work lights

Extra work lights provide increased visibility, safety and precision, while extending the workday in low light conditions. Features two lights in the front of the machine, one light in the rear area of the cab and one light mounted on the counterweight.

Boom float function

The boom float function lifts the boom over the ground without any pressure in the boom cylinders. Increases digging speed, cycle times and comfort of operation while working on rocky terrain. Reduces fuel consumption and wear. Effective for applications such as grading/finishing and grab work.

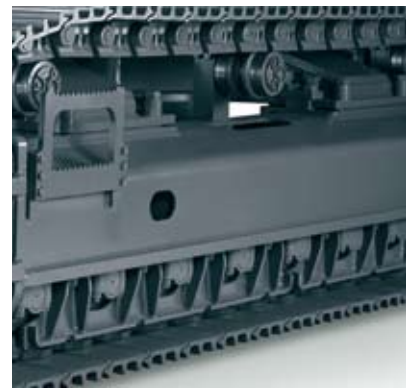
Full-length derailing shield

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.

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

Extra work lights

Boom float function

Full-length derailing shield

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.

SEE FOR YOURSELF WHAT INNOVATION LOOKS LIKE.

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.**
- **Increased tumbler length** ensures stability.
- **Recessed bolts on superstructure** walk areas for less risk of trip hazard.
- **Lead-free exterior paint** is in harmony with the environment.

MORE PROFIT

- **New generation Volvo V-ACT engine:** powerful, innovative and efficient.
- Volvo continues to deliver **industry-leading fuel efficiency.**
- **Advanced hydraulic system** with priority functions and optional float position.
- **Optional universal quick fit** increases versatility.

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** protects against 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** means more uptime.
- **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** endures daily abuse.
- **Reinforced boom/arm and proven components** deliver every time.
- **Reinforced superstructure** with double welded corners.
- **Lifetime greased, sealed track link** prevents leaks and guarantees 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 EPA Tier 3 compliant engine uses precise, high-pressure fuel injectors, turbo charger and air to air intercooler, and electronic engine controls to optimize machine performance.

Engine	Volvo D12D EBE3	
Max. power, at	28 r/s	1,700 r/min
Net (ISO 9249, SAE J1349)	184 kW	247 hp
Gross (SAE J1995)	198 kW	265 hp
Max. torque at 1,275 r/min	1,475 Nm	1,088 lb.ft
No. of cylinders	6	
Displacement	12.1 l	738 cu.in
Bore	131 mm	5.16"
Stroke	150 mm	5.91"

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.

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

Service refill capacities

Fuel tank	620 l	164 gal
Hydraulic system, total	500 l	132 gal
Hydraulic tank	220 l	58 gal
Engine oil	42 l	11 gal
Engine coolant	60 l	16 gal
Swing reduction unit	6 l	1.6 gal
Travel reduction unit	2 x 5.5 l	2 x 1.5 gal

Swing system

The swing system uses an axial piston motor, driving a planetary gearbox for maximum torque. An automatic holding brake and anti-rebound valve are standard.

Max. swing speed	9.7 r/min	
Max. swing torque	119.1 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.

Max. drawbar pull	256.9 kN	
(tractive effort)	256.9 kN	
57,770 lb	57,770 lb	
Max. travel speed	3.3/4.5 km/h	
	2.1/2.8 mph	
Gradeability	35°	70%

Undercarriage

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

Track pads	2 x 50	
Link pitch	215.9 mm	8.5"
Shoe width, triple grouser	600/700/800/900 mm	
	24"/28"/32"/36"	
Shoe width, double grouser	600 mm	24"
Bottom rollers	2 x 9	
Top rollers	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 swing 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 leveling and for increased bucket filling when digging.

Swing priority: Gives priority to swing 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 280 l/min **2 x 74 gpm**

Pilot pump:

Type: Gear pump
Maximum flow: 25.5 l/min **6.7 gpm**

Hydraulic motors:

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

Relief valve setting:

Implement	31.4/34.3 Mpa	
		4,550/4,980 psi
Travel circuit	34.3 Mpa	4,980 psi
Swing circuit	25.5 Mpa	3,700 psi
Pilot circuit	3.9 Mpa	570 psi

Hydraulic cylinders:

Boom	2	
Bore x Stroke	ø160 x 1,530 mm	ø6.3 x 60.2"
Arm	1	
Bore x Stroke	ø175 x 1,750 mm	ø6.9 x 68.9"
Bucket	1	
Bore x Stroke	ø145 x 1,285 mm	ø5.7 x 50.6"
ME bucket	1	
Bore x Stroke	ø160 x 1,250 mm	ø6.3 x 49.2"

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 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 105 dB(A)

Ground pressure

• **EC360C L** with 6.45 m, **21' 2" HD boom**, 3.2 m, **10' 6" HD arm**, 1,460 kg, **3,220 lb bucket**, 7,800 kg, **17,200 lb counterweight**

Description	Shoe width	Operating weight	Ground pressure	Overall width
Triple grouser	600 mm, 24"	38,400 kg, 84,670 lb	68.7 KPa, 10.0 psi	3,340 mm, 10' 11"
	700 mm, 28"	38,830 kg, 85,620 lb	59.8 KPa, 8.7 psi	3,440 mm, 11' 3"
	800 mm, 32"	39,260 kg, 86,570 lb	53.0 KPa, 7.7 psi	3,540 mm, 11' 7"
	900 mm, 36"	39,700 kg, 87,540 lb	48.1 KPa, 7.0 psi	3,640 mm, 11' 11"
Double grouser	600 mm, 24"	38,500 kg, 84,890 lb	69.6 KPa, 10.1 psi	3,340 mm, 10' 11"

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.

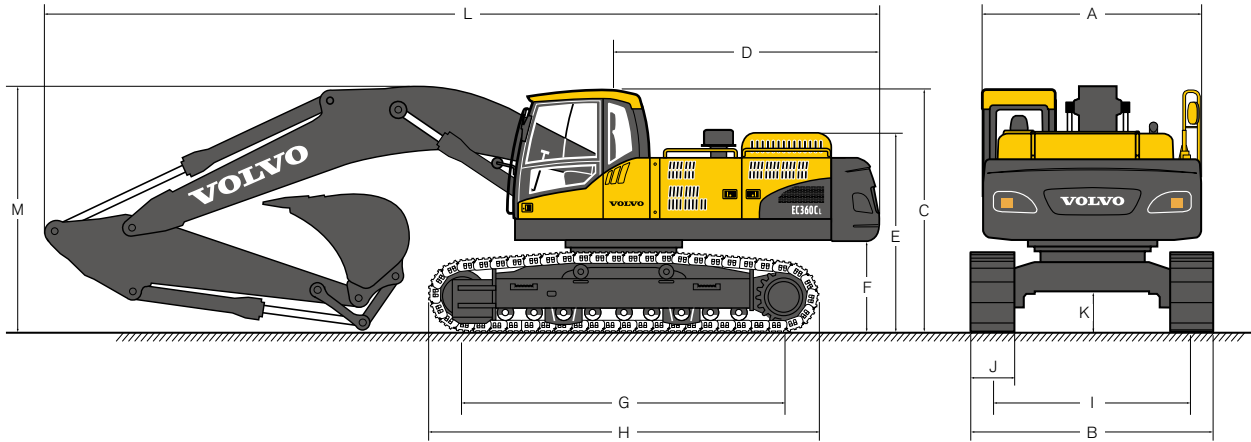
• **EC360C L** with **pin-on bucket**, 7,800 kg, **17,200 lb counterweight**

Description	Max. bucket volume / weight	6.2 m, 20' 4" ME boom	6.45 m, 21' 2" HD boom		
		2.6 m, 8' 6" arm	2.6 m, 8' 6" arm	3.2 m, 10' 6" HD arm	3.9 m, 12' 10" arm
GP bucket 1.5 t/m ³ , 2,530 lb/yd³	l/kg	2,775/2,350	2,775/2,350	2,550/2,150	2,300/1,950
	yd ³ /lb	3.63/5,180	3.63/5,180	3.34/4,740	3.01/4,300
GP bucket 1.8 t/m ³ , 3,030 lb/yd³	l/kg	2,450/2,100	2,450/2,100	2,250/1,900	2,050/1,725
	yd ³ /lb	3.20/4,630	3.20/4,630	2.94/4,190	2.68/3,800
HD bucket 1.8 t/m ³ , 3,030 lb/yd³	l/kg	2,325/2,325	2,325/2,325	2,125/2,125	1,925/1,925
	yd ³ /lb	3.04/5,130	3.04/5,130	2.78/4,680	2.52/4,240
HD bucket 2.0 t/m ³ , 3,370 lb/yd³	l/kg	2,175/2,175	2,175/2,175	2,000/2,000	1,800/1,800
	yd ³ /lb	2.84/4,800	2.84/4,800	2.62/4,410	2.35/3,970

• **EC360C L** with **hook-on bucket**, 7,800 kg, **17,200 lb counterweight**

Description	Max. bucket volume / weight	6.2 m, 20' 4" ME boom	6.45 m, 21' 2" HD boom		
		2.6 m, 8' 6" arm	2.6 m, 8' 6" arm	3.2 m, 10' 6" HD arm	3.9 m, 12' 10" arm
GP bucket 1.5 t/m ³ , 2,530 lb/yd³	l/kg	2,600/2,200	2,600/2,200	2,350/2,000	2,125/1,800
	yd ³ /lb	3.40/4,850	3.40/4,850	3.07/4,410	2.78/3,970
GP bucket 1.8 t/m ³ , 3,030 lb/yd³	l/kg	2,300/1,950	2,300/1,950	2,100/1,775	1,875/1,600
	yd ³ /lb	3.01/4,300	3.01/4,300	2.75/3,910	2.45/3,530
HD bucket 1.8 t/m ³ , 3,030 lb/yd³	l/kg	2,175/2,175	2,175/2,175	1,975/1,975	1,775/1,775
	yd ³ /lb	2.84/4,800	2.84/4,800	2.58/4,350	2.32/3,910
HD bucket 2.0 t/m ³ , 3,370 lb/yd³	l/kg	2,025/2,025	2,025/2,025	1,850/1,850	1,675/1,675
	yd ³ /lb	2.65/4,460	2.65/4,460	2.42/4,080	2.19/3,690

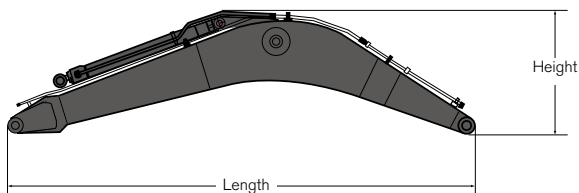
Dimensions



Description		6.2 m, 20' 4" ME boom		6.45 m, 21' 2" HD boom	
		2.6 m, 8' 6" arm	2.6 m, 8' 6" arm	3.2 m, 10' 6" HD arm	3.9 m, 12' 10" arm
A. Overall width of upper structure	mm, ft-in	2,990, 9' 10"	2,990, 9' 10"	2,990, 9' 10"	2,990, 9' 10"
B. Overall width	mm, ft-in	3,540, 11' 7"	3,540, 11' 7"	3,540, 11' 7"	3,540, 11' 7"
C. Overall height of cab	mm, ft-in	3,197, 10' 6"	3,197, 10' 6"	3,197, 10' 6"	3,197, 10' 6"
D. Tail swing radius	mm, ft-in	3,390, 11' 1"	3,390, 11' 1"	3,390, 11' 1"	3,390, 11' 1"
E. Overall height of engine hood	mm, ft-in	2,700, 8' 10"	2,700, 8' 10"	2,700, 8' 10"	2,700, 8' 10"
F. Counterweight clearance *	mm, ft-in	1,210, 4' 0"	1,210, 4' 0"	1,210, 4' 0"	1,210, 4' 0"
G. Tumbler length	mm, ft-in	4,240, 13' 11"	4,240, 13' 11"	4,240, 13' 11"	4,240, 13' 11"
H. Track length	mm, ft-in	5,180, 17' 0"	5,180, 17' 0"	5,180, 17' 0"	5,180, 17' 0"
I. Track gauge	mm, ft-in	2,740, 9' 0"	2,740, 9' 0"	2,740, 9' 0"	2,740, 9' 0"
J. Shoe width	mm, in	800, 32"	800, 32"	800, 32"	800, 32"
K. Min. ground clearance *	mm, ft-in	500, 1' 8"	500, 1' 8"	500, 1' 8"	500, 1' 8"
L. Overall length	mm, ft-in	10,910, 35' 10"	11,160, 36' 7"	11,070, 36' 4"	11,120, 36' 6"
M. Overall height of boom	mm, ft-in	3,700, 12' 2"	3,580, 11' 9"	3,350, 11' 0"	3,590, 11' 9"

* Without shoe grouser

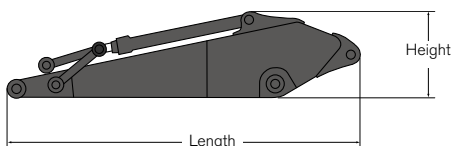
• Boom



Description		6.2 m, 20' 4" ME	6.45 m, 21' 2" HD
Length	mm, ft-in	6,460, 21' 2"	6,700, 22' 0"
Height	mm, ft-in	1,740, 5' 9"	1,800, 5' 11"
Width	mm, ft-in	830, 2' 8"	820, 2' 8"
Weight	kg, lb	3,290, 7,250	3,310, 7,300

* Includes arm cylinder, piping and pin

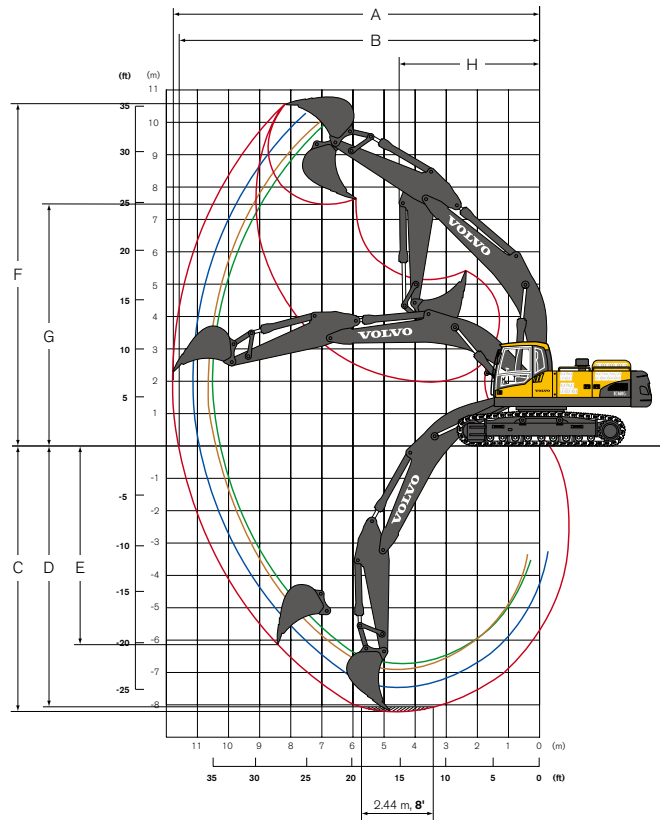
• Arm



Description		2.6 m, 8' 6"	3.2 m, 10' 6" HD	3.9 m, 12' 10"
Length	mm, ft-in	3,780, 12' 5"	4,360, 14' 4"	5,080, 16' 8"
Height	mm, ft-in	1,145, 3' 9"	1,145, 3' 9"	1,140, 3' 9"
Width	mm, ft-in	560, 1' 10"	560, 1' 10"	560, 1' 10"
Weight	kg, lb	2,030, 4,480	2,160, 4,760	2,300, 5,070

* Includes bucket cylinder, linkage and pin

Working ranges & digging force



Machine with pin-on bucket		6.2 m, 20' 4" ME boom		6.45 m, 21' 2" HD boom	
		2.6 m, 8' 6" arm	2.6 m, 8' 6" arm	3.2 m, 10' 6" HD arm	3.9 m, 12' 10" arm
A. Max. digging reach	mm, ft-in	10,480, 34' 5"	10,660, 35' 0"	11,180, 36' 8"	11,180, 36' 8"
B. Max. digging reach on ground	mm, ft-in	10,250, 33' 8"	10,440, 34' 3"	10,970, 36' 0"	11,620, 38' 1"
C. Max. digging depth	mm, ft-in	6,720, 22' 1"	6,890, 22' 7"	7,490, 24' 7"	8,200, 26' 11"
D. Max. digging depth (8' level)	mm, ft-in	6,540, 21' 5"	6,690, 21' 11"	7,320, 24' 0"	8,050, 26' 5"
E. Max. vertical wall digging depth	mm, ft-in	4,800, 15' 9"	5,110, 16' 9"	5,510, 18' 1"	6,140, 20' 2"
F. Max. cutting height	mm, ft-in	10,070, 33' 0"	10,160, 33' 4"	10,320, 33' 10"	10,600, 34' 9"
G. Max. dumping height	mm, ft-in	6,830, 22' 5"	7,050, 23' 2"	7,240, 23' 9"	7,520, 24' 8"
H. Min. front swing radius	mm, ft-in	4,180, 13' 9"	4,380, 14' 4"	4,340, 14' 3"	4,320, 14' 2"












Digging forces with pin-on bucket			6.2 m, 20' 4" ME boom		6.45 m, 21' 2" HD boom	
			2.6 m, 8' 6" arm	2.6 m, 8' 6" arm	3.2 m, 10' 6" HD arm	3.9 m, 12' 10" arm
Bucket radius		mm, in	1,810, 71"	1,623, 64"	1,623, 64"	1,623, 64"
Breakout force - bucket (Normal/Power boost)	SAE J1179	kN lb	208/228 46,970/51,380	192/209 43,220/47,190	192/209 43,220/47,190	192/209 43,220/47,190
	ISO 6015	kN lb	236/258 53,050/57,990	215/236 48,330/53,050	215/236 48,330/53,050	215/236 48,330/53,050
Tearout force - arm (Normal/Power boost)	SAE J1179	kN lb	182/200 41,010/44,980	190/207 42,780/46,750	157/172 35,500/38,810	137/150 30,870/33,740
	ISO 6015	kN lb	188/206 42,260/46,300	195/213 43,830/47,880	161/176 36,190/39,560	140/153 31,470/34,390
Rotation angle, bucket		deg.	164	177	177	177

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.

• EC360C L

 Across undercarriage  Along undercarriage	Lifting hook related to ground level	4.5 m, 15'				6.0 m, 20'				7.5 m, 25'				9.0 m, 30'				Max. reach				
																				Max.		
		t	lb	t	lb	t	lb	t	lb	t	lb	t	lb	t	lb	t	lb	t	lb	t	lb	m/ft
ME boom 6.2 m, 20' 4" + Arm 2.6 m, 8' 6" + Shoe 800 mm, 32" + Counterweight 7,800 kg, 17,200 lb	7.5 m 25'					*10.4	*23,070	*10.4	*23,070							*10.6	*23,460	10.0	22,500	6.8/21.8		
	6.0 m 20'					*11.0	*23,960	*11.0	*23,960	*10.5	*23,140	8.4	17,940			*10.5	*23,180	7.9	17,670	7.7/25.2		
	4.5 m 15'	*15.7	*33,610	*15.7	*33,610	*12.5	*26,980	11.5	24,820	*11.0	*23,960	8.2	17,640			10.6	*23,400	6.9	15,340	8.3/27.2		
	3.0 m 10'	*19.6	*42,170	16.7	35,960	*14.3	*30,850	11.0	23,670	*11.8	25,710	7.9	17,120			9.9	21,890	6.4	14,220	8.6/28.2		
	1.5 m 5'	*21.0	*47,770	15.9	34,220	*15.8	*34,160	10.5	22,710	12.1	25,960	7.7	16,620			9.8	21,500	6.3	13,900	8.6/28.3		
	0 m 0'	*22.3	*49,000	15.6	33,640	*16.5	*35,850	10.3	22,160	11.9	25,610	7.6	16,310			10.1	22,270	6.5	14,320	8.4/27.5		
	-1.5 m -5'	*21.8	*47,230	15.7	33,680	*16.4	*35,420	10.2	22,030	11.9	25,590	7.5	16,290			11.1	24,600	7.1	15,720	7.9/25.7		
	-3.0 m -10'	*19.6	*42,460	15.9	34,170	*14.9	*32,020	10.4	22,350							*12.2	*27,000	8.5	18,950	6.9/22.6		
-4.5 m -15'	*15.2	*32,210	*15.2	*32,210											*12.0	*26,340	*12.0	*26,340	5.5/17.6			
Boom 6.45 m, 21' 2" + Arm 2.6 m, 8' 6" + Shoe 800 mm, 32" + Counterweight 7,800 kg, 17,200 lb	7.5 m 25'															*8.9	*19,640	*8.9	*19,640	7.0/22.7		
	6.0 m 20'					*10.7	*23,270	*10.7	*23,270	*10.0	*22,030	8.3	17,830			*8.6	*18,960	7.5	16,640	8.0/26.0		
	4.5 m 15'	*15.8	*33,870	*15.8	*33,870	*12.3	*26,550	11.4	24,520	*10.7	*23,220	8.1	17,440			*8.7	*19,130	6.6	14,530	8.6/28.0		
	3.0 m 10'	*19.9	*42,690	16.4	35,330	*14.1	*30,550	10.8	23,340	*11.6	*25,140	7.8	16,880			*9.1	*20,010	6.1	13,490	8.8/29.0		
	1.5 m 5'	*15.6	*38,050	*15.6	33,730	*15.7	*33,860	10.4	22,390	11.9	25,700	7.6	16,370			9.3	20,480	6.0	13,180	8.9/29.1		
	0 m 0'	*20.1	*47,250	15.5	33,300	*16.4	*35,530	10.1	21,860	11.8	25,330	7.4	16,040			9.6	21,160	6.1	13,550	8.6/28.2		
	-1.5 m -5'	*21.6	*46,830	15.5	33,380	*16.3	*35,220	10.1	21,740	11.7	25,270	7.4	15,990			10.5	23,240	6.7	14,800	8.1/26.5		
	-3.0 m -10'	*19.6	*42,510	15.7	33,840	*15.0	*32,360	10.2	22,000							*11.9	*26,200	7.9	17,640	7.2/23.5		
-4.5 m -15'	*15.8	*33,790	*15.8	*33,790											*11.9	*26,120	11.0	24,920	5.8/18.8			
Boom 6.45 m, 21' 2" + Arm 3.2 m, 10' 6" + Shoe 800 mm, 32" + Counterweight 7,800 kg, 17,200 lb	7.5 m 25'									*8.3	*15,690	*8.3	*15,690			*7.0	*15,440	*7.0	*15,440	7.7/25.0		
	6.0 m 20'									*9.2	*20,210	8.5	18,190			*6.8	*14,960	6.7	*14,960	8.6/28.0		
	4.5 m 15'	*14.1	*30,220	*14.1	*30,220	*11.3	*24,550	*11.3	*24,550	*10.0	*21,760	8.2	17,710			*6.8	*15,070	6.0	13,270	9.1/29.8		
	3.0 m 10'	*18.3	*39,180	16.8	36,280	*13.3	*28,800	11.0	23,720	*11.0	*23,940	7.9	17,080	9.3	19,930	6.0	12,930	7.1	*15,700	5.6	12,390	9.4/30.8
	1.5 m 5'	*21.3	*45,890	15.9	34,200	*15.1	*32,620	10.5	22,620	12.0	25,840	7.6	16,490	9.1	19,620	5.9	12,650	*7.7	*16,890	5.5	12,110	9.4/30.8
	0 m 0'	*21.6	*48,460	15.5	33,320	*16.2	*34,990	10.2	21,920	11.8	25,360	7.4	16,060	9.0	19,420	5.8	12,460	*8.6	*18,900	5.6	12,380	9.2/30.1
	-1.5 m -5'	*22.1	*47,940	15.4	33,160	*16.4	*35,410	10.0	21,650	11.7	25,160	7.4	15,880			9.5	20,870	6.0	13,340	8.7/28.4		
	-3.0 m -10'	*20.7	*44,810	15.6	33,460	*15.6	*33,770	10.1	21,760	11.7	25,330	7.4	16,030			11.0	24,300	7.0	15,440	7.9/25.7		
-4.5 m -15'	*17.7	*38,110	15.9	34,230	*13.3	*28,310	10.3	22,340							*11.5	*25,370	9.0	20,240	6.6/21.5			
Boom 6.45 m, 21' 2" + Arm 3.9 m, 12' 10" + Shoe 800 mm, 32" + Counterweight 7,800 kg, 17,200 lb	7.5 m 25'									*8.0	*17,620	*8.0	*17,620			*5.6	*12,460	*5.6	*12,460	8.5/27.6		
	6.0 m 20'									*8.3	*18,250	*8.3	*18,250	*7.0	*13,500	6.4	*13,500	*5.5	*12,120	*5.5	*12,120	9.3/30.3
	4.5 m 15'					*10.2	*22,060	*10.2	*22,060	*9.2	*20,010	8.4	18,110	*8.7	*18,690	6.3	13,510	*5.5	*12,180	5.4	12,040	9.8/32.0
	3.0 m 10'	*16.2	*34,800	*16.2	*34,800	*12.2	*26,470	11.2	24,210	*10.3	*22,390	8.1	17,370	*9.2	*20,160	6.1	13,140	*5.7	*12,620	5.1	11,300	10.0/32.9
	1.5 m 5'	*19.8	*42,670	16.1	34,630	*14.2	*30,730	10.6	22,870	*11.4	*24,820	7.7	16,640	9.2	19,750	5.9	12,750	*6.1	*13,450	5.0	11,030	10.1/33.0
	0 m 0'	*21.7	*47,010	15.4	33,160	*15.6	*33,800	10.2	21,920	11.8	25,390	7.5	16,060	9.0	19,420	5.8	12,440	*6.7	*14,830	5.1	11,210	9.8/32.3
	-1.5 m -5'	*22.2	*48,040	15.2	32,650	*16.2	*35,180	9.9	21,430	11.6	25,040	7.3	15,740	8.9	19,270	5.7	12,310	*7.7	*17,060	5.4	11,910	9.4/30.7
	-3.0 m -10'	*21.4	*46,350	15.2	32,750	*16.0	*34,570	9.9	21,370	11.6	25,020	7.3	15,730			*9.5	21,050	6.1	13,420	8.6/28.2		
-4.5 m -15'	*19.3	*41,570	15.5	33,350	*14.5	*31,240	10.1	21,750							*10.8	*23,880	7.4	16,590	7.5/24.5			

- 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 EPA (Environmental Protection Agency) Tier 3 emission standards
3-stage air filter with indicator and pre-cleaner
Intake air pre-heater
Electric engine shut-off
Fuel filter and water separator
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
Travel alarm
Batteries, 2 x 12 V / 200 Ah
Start motor, 24 V / 7 kW

Hydraulic system

Automatic sensing hydraulic system
– Summation system
– Boom priority
– Arm priority
– Swing priority

Hydraulic piping:

– Hammer & shear: adjustable flow control
Cab adjustment of auxiliary hydraulic pressure and flow
Boom and arm regeneration valves
Swing anti-rebound valves
Boom and arm holding valves
Multi-stage filtering system
Boom cylinders (x2)
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:
7,800 kg, **17,200 lb**
Tool storage area
Service walkway with anti-slip grating
Undercover (heavy-duty 4,5 mm, **0.18"**)

Cab and interior

Fabric seat with heater and air suspension
2-button control for hammer/shear auxiliary hydraulics
Control joysticks with 4 switches each
Travel pedals with hand levers
Pilot control pattern change
Heater & air-conditioner, automatic
Hydraulic dampening cab mounts
Adjustable operator seat and joystick control console
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, light tinted
– Sun shields, front, roof, rear
– Windshield wiper with washer and intermittent feature
– AM/FM stereo with cassette includes flexible antenna

Anti-vandalism kit assembly preparation

Master key

Opening top hatch

Straight travel pedal

Undercarriage

Hydraulic track adjusters
Greased and sealed track link
Track guard
Undercover (4,5 mm, **0.18"**)
Standard roller guard

Track equipment

Track pads 800 mm, **32"** with triple grousers

Digging equipment

Boom: 6.45 m, **21' 2"** general purpose
Arm: 3.2 m, **10' 6"** heavy-duty without wear strips
Centralized lubrication

Service

Tool kit, daily maintenance

OPTIONAL EQUIPMENT

Engine

Block heater: 120 V
Oil-bath pre-cleaner
Diesel coolant heater, programmable
Water separator with heater
Fuel filler pump: 50 l/min, **13.2 gpm**
with automatic shut-off

Electric

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

Hydraulic system

Hose rupture valve: boom, arm
Overload warning device
Hydraulic piping:
– Additional return filter
– 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
Boom float function

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)
Protective screen for front window
Rain shield
Lower wiper with intermittent control

Anti-vandalism kit
Rear view camera

Undercarriage

Full track guard
Undercover (heavy-duty 10 mm, **0.39"**)

Track equipment

600 mm, **24"/700 mm, 28"/900 mm, 36"**
track pads with triple grousers
600 mm, **24"** track pads with double grouser

Digging equipment

Boom: 6.2 m, **20' 4"** mass excavation
Arm: 2.6 m, **8' 6"**
3.2 m, **10' 6"** heavy-duty with wear strips
3.9 m, **12' 10"** with or without wear strips

Service

Tool kit



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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