

English

100,550 – 108,090 lb, 315 hp

VOLVO EXCAVATOR

EC460C



MORE CARE. BUILT IN.

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ARAG
Baumaschinen-Rent

ARAG Bau AG
Zinggen
6166 Hasle LU
www.arag-bau.ch
Tel. 058 710 00 00



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 fueled 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. The standard machine configuration features proven booms and arms and offers a maximum digging reach of 12.0 m (**39' 4"**), to a maximum depth of 7.7 m (**25' 3"**). 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 swinging or traveling.

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 Tier 3 compliant V-ACT (Volvo Advanced Combustion Technology) engine. It delivers 315 hp (235 kW) 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 swing 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 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.

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

For applications when the counterweight is not required or when zero tail swing is desired, Volvo's hydraulic cylinder and linkage system makes removing and installing the removable counterweight quick and easy.

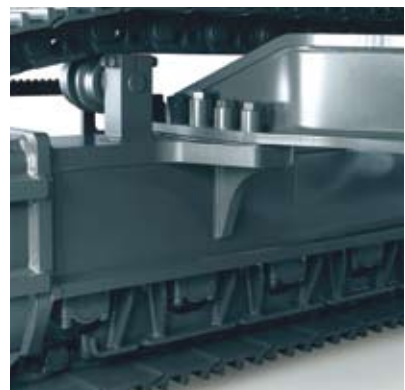
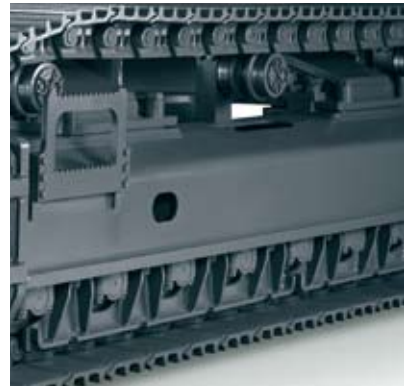
Retractable track gauge

For easy transportation, the track gauge can be retracted from a 2,890 mm (9' 6") working width to 2,390 mm (7' 10") 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 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 EAE3	
Max. power, at	30 r/s	1,800 r/min
Net (ISO 9249, SAE J1349)	235 kW	315 hp
Gross (SAE J1995)	245 kW	329 hp
Max. torque at 1,350 r/min	1,720 Nm	1,269 lb.ft
No. of cylinders	6	
Displacement	12.1 l	738 cu.in
Bore	131 mm	5.16"
Stroke	150 mm	5.9"

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	685 l	181 gal
Hydraulic system, total	525 l	139 gal
Hydraulic tank	270 l	71 gal
Engine oil	42 l	11 gal
Engine coolant	60 l	16 gal
Swing reduction unit	2 x 6 l	2 x 1.6 gal
Travel reduction unit	2 x 5.5 l	2 x 1.5 gal

Swing system

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

Max. swing speed	8.5 r/min	
Max. swing torque	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.

Max. drawbar pull		
(tractive effort)	325 kN	72,990 lb
Max. travel speed	2.9/4.8 km/h	2.0/3.0 mph
Gradeability	35°	70%

Undercarriage

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

Track pads	2 x 52	
Link pitch	216 mm	8.5"
Shoe width, triple grouser	600/700/800/900 mm	
Shoe width, double grouser	600 mm	24"
Bottom rollers	2 x 9	
Top rollers (fixed)	2 x 2	
Top rollers (retractable)	2 x 3	

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 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 345 l/min **2 x 91 gpm**

Pilot pump:

Type: Gear pump

Maximum flow: 31 l/min **8.2 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	31.4 Mpa	4,550 psi
Swing circuit	24.5 Mpa	3,560 psi
Pilot circuit	3.9 Mpa	570 psi

Hydraulic cylinders:

Boom	2	
Bore x Stroke	ø165 x 1,590 mm	ø6.5 x 62.6"
Arm	1	
Bore x Stroke	ø190 x 1,850 mm	ø7.5 x 72.8"
Bucket	1	
Bore x Stroke	ø165 x 1,335 mm	ø6.5 x 52.6"
ME bucket	1	
Bore x Stroke	ø175 x 1,335 mm	ø6.9 x 52.6"

Cab

The new-design Volvo Care Cab, with operator protective structure provides security, along with more interior space, leg room and foot space. Large and roomy interior with more 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 106 dB(A)

Ground pressure

- **EC460C L with fixed undercarriage** 7.0 m, **23' 0"** boom, 3.35 m, **11' 0"** arm, 1,730 kg, **3,810 lb** bucket, 9,300 kg, **20,510 lb** counterweight

Description	Shoe width	Operating weight	Ground pressure	Overall width
Triple grouser	600 mm, 24"	45,600 kg, 100,550 lb	79.4 KPa, 11.5 psi	3,340 mm, 10' 11"
	700 mm, 28"	46,100 kg, 101,650 lb	68.6 KPa, 9.9 psi	3,440 mm, 11' 3"
	800 mm, 32"	46,600 kg, 102,750 lb	60.8 KPa, 8.8 psi	3,540 mm, 11' 7"
	900 mm, 36"	47,120 kg, 103,900 lb	54.9 KPa, 8.0 psi	3,640 mm, 11' 11"
Double grouser	600 mm, 24"	45,350 kg, 100,000 lb	78.5 KPa, 11.4 psi	3,340 mm, 10' 11"

- **EC460C L with retractable undercarriage** 7.0 m, **23' 0"** boom, 3.35 m, **11' 0"** arm, 1,730 kg, **3,810 lb** bucket, 9,300 kg, **20,510 lb** counterweight

Description	Shoe width	Operating weight	Ground pressure	Overall width
Triple grouser	600 mm, 24"	46,800 kg, 103,190 lb	81.4 KPa, 11.8 psi	3,490 mm, 11' 5"
	700 mm, 28"	47,300 kg, 104,300 lb	70.6 KPa, 10.2 psi	3,590 mm, 11' 9"
	800 mm, 32"	47,800 kg, 105,400 lb	62.8 KPa, 9.1 psi	3,690 mm, 12' 1"
	900 mm, 36"	48,320 kg, 106,550 lb	55.9 KPa, 8.1 psi	3,790 mm, 12' 5"
Double grouser	600 mm, 24"	46,550 kg, 102,640 lb	80.4 KPa, 11.7 psi	3,490 mm, 11' 5"

- **EC460C L with fixed undercarriage** 7.0 m, **23' 0"** boom, 3.35 m, **11' 0"** arm, 1,730 kg, **3,810 lb** bucket, 10,000 kg, **22,050 lb** counterweight

Description	Shoe width	Operating weight	Ground pressure	Overall width
Triple grouser	600 mm, 24"	46,300 kg, 102,090 lb	80.4 KPa, 11.7 psi	3,340 mm, 10' 11"
	700 mm, 28"	46,800 kg, 103,190 lb	69.6 KPa, 10.1 psi	3,440 mm, 11' 3"
	800 mm, 32"	47,300 kg, 104,300 lb	61.8 KPa, 9.0 psi	3,540 mm, 11' 7"
	900 mm, 36"	47,820 kg, 105,440 lb	55.9 KPa, 8.1 psi	3,640 mm, 11' 11"
Double grouser	600 mm, 24"	46,050 kg, 101,540 lb	80.4 KPa, 11.7 psi	3,340 mm, 10' 11"

- **EC460C L with retractable undercarriage** 7.0 m, **23' 0"** boom, 3.35 m, **11' 0"** arm, 1,730 kg, **3,810 lb** bucket, 10,000 kg, **22,050 lb** counterweight

Description	Shoe width	Operating weight	Ground pressure	Overall width
Triple grouser	600 mm, 24"	47,500 kg, 104,740 lb	82.4 KPa, 12.0 psi	3,490 mm, 11' 5"
	700 mm, 28"	48,000 kg, 105,840 lb	71.6 KPa, 10.4 psi	3,590 mm, 11' 9"
	800 mm, 32"	48,500 kg, 106,940 lb	63.7 KPa, 9.2 psi	3,690 mm, 12' 1"
	900 mm, 36"	49,020 kg, 108,090 lb	56.9 KPa, 8.3 psi	3,790 mm, 12' 5"
Double grouser	600 mm, 24"	47,250 kg, 104,190 lb	82.4 KPa, 12.0 psi	3,490 mm, 11' 5"

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 fixed undercarriage, direct fit bucket

Description	Max. bucket volume / weight	6.5 m, 21' 4" ME boom	7.0 m, 23' 0" boom			
		2.55 m, 8' 4" arm	2.55 m, 8' 4" arm	3.35 m, 11' 0" arm	3.9 m, 12' 10" arm	4.8 m, 15' 9" arm
GP bucket 1.5 t/m ³ , 2,530 lb/yd³	l/kg	3,500/2,950	3,300/2,800	3,000/2,550	2,750/2,350	2,450/2,050
	yd ³ /lb	4.58/6,500	4.32/6,170	3.92/5,620	3.60/5,180	3.20/4,520
GP bucket 1.8 t/m ³ , 3,030 lb/yd³	l/kg	3,100/2,600	2,925/2,500	2,675/2,250	2,450/2,050	2,175/1,850
	yd ³ /lb	4.05/5,730	3.83/5,510	3.50/4,960	3.20/4,520	2.84/4,080
HD bucket 1.8 t/m ³ , 3,030 lb/yd³	l/kg	2,925/2,900	2,775/2,750	2,525/2,500	2,300/2,300	2,050/2,050
	yd ³ /lb	3.83/6,390	3.63/6,060	3.30/5,510	3.01/5,070	2.68/4,520
HD bucket 2.0 t/m ³ , 3,370 lb/yd³	l/kg	2,750/2,750	2,600/2,600	2,350/2,350	2,150/2,150	1,925/1,900
	yd ³ /lb	3.60/6,060	3.40/5,730	3.07/5,180	2.81/4,740	2.52/4,190

• EC460C L with fixed undercarriage, quick fit bucket

Description	Max. bucket volume / weight	6.5 m, 21' 4" ME boom	7.0 m, 23' 0" boom			
		2.55 m, 8' 4" arm	2.55 m, 8' 4" arm	3.35 m, 11' 0" arm	3.9 m, 12' 10" arm	4.8 m, 15' 9" arm
GP bucket 1.5 t/m ³ , 2,530 lb/yd³	l/kg	3,325/2,800	3,125/2,650	2,825/2,400	2,575/2,150	2,275/1,900
	yd ³ /lb	4.35/6,170	4.09/5,840	3.70/5,290	3.37/4,740	2.98/4,190
GP bucket 1.8 t/m ³ , 3,030 lb/yd³	l/kg	2,950/2,500	2,775/2,350	2,500/2,100	2,275/1,900	2,025/1,700
	yd ³ /lb	3.86/5,510	3.63/5,180	3.27/4,630	2.98/4,190	2.65/3,750
HD bucket 1.8 t/m ³ , 3,030 lb/yd³	l/kg	2,775/2,750	2,625/2,600	2,375/2,350	2,150/2,150	1,900/1,900
	yd ³ /lb	3.63/6,060	3.43/5,730	3.11/5,180	2.81/4,740	2.49/4,190
HD bucket 2.0 t/m ³ , 3,370 lb/yd³	l/kg	2,600/2,600	2,450/2,450	2,200/2,200	2,000/2,000	1,775/1,750
	yd ³ /lb	3.40/5,730	3.20/5,400	2.88/4,850	2.62/4,410	2.32/3,860

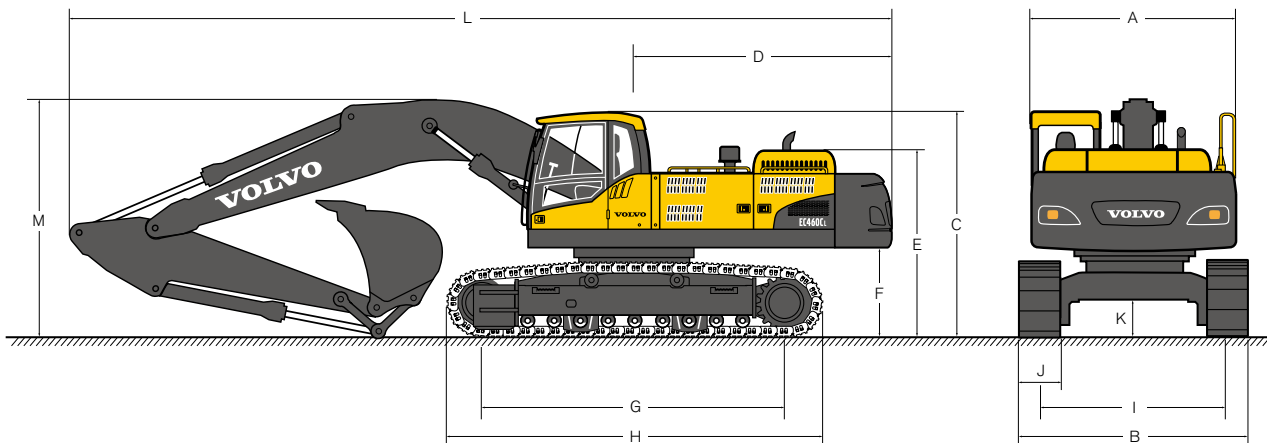
• **EC460C L with retractable undercarriage, direct fit bucket**

Description	Max. bucket volume / weight	6.5 m, 21' 4" ME boom	7.0 m, 23' 0" boom			
		2.55 m, 8' 4" arm	2.55 m, 8' 4" arm	3.35 m, 11' 0" arm	3.9 m, 12' 10" arm	4.8 m, 15' 9" arm
GP bucket 1.5 t/m ³ , 2,530 lb/yd³	l/kg	3,800/3,225	3,525/3,000	3,200/2,725	2,975/2,525	2,625/2,225
	yd ³ /lb	4.97/7,110	4.61/6,610	4.19/6,010	3.89/5,570	3.43/4,910
GP bucket 1.8 t/m ³ , 3,030 lb/yd³	l/kg	3,375/2,850	3,125/2,650	2,825/2,400	2,625/2,225	2,325/1,975
	yd ³ /lb	4.41/6,280	4.09/5,840	3.70/5,290	3.43/4,910	3.04/4,350
HD bucket 1.8 t/m ³ , 3,030 lb/yd³	l/kg	3,175/3,175	2,950/2,950	2,675/2,675	2,500/2,500	2,200/2,200
	yd ³ /lb	4.15/7,000	3.86/6,500	3.50/5,900	3.27/5,510	2.88/4,850
HD bucket 2.0 t/m ³ , 3,370 lb/yd³	l/kg	2,975/2,975	2,750/2,750	2,500/2,500	2,325/2,325	2,050/2,050
	yd ³ /lb	3.89/6,560	3.60/6,060	3.27/5,510	3.04/5,130	2.68/4,520

• **EC460C L with retractable undercarriage, quick fit bucket**

Description	Max. bucket volume / weight	6.5 m, 21' 4" ME boom	7.0 m, 23' 0" boom			
		2.55 m, 8' 4" arm	2.55 m, 8' 4" arm	3.35 m, 11' 0" arm	3.9 m, 12' 10" arm	4.8 m, 15' 9" arm
GP bucket 1.5 t/m ³ , 2,530 lb/yd³	l/kg	3,625/3,075	3,325/2,825	3,025/2,575	2,775/2,375	2,450/2,075
	yd ³ /lb	4.74/6,780	4.35/6,230	3.96/5,680	3.63/5,240	3.20/4,570
GP bucket 1.8 t/m ³ , 3,030 lb/yd³	l/kg	3,200/2,725	2,950/2,500	2,675/2,275	2,475/2,100	2,175/1,850
	yd ³ /lb	4.19/6,010	3.86/5,510	3.50/5,020	3.24/4,630	2.84/4,080
HD bucket 1.8 t/m ³ , 3,030 lb/yd³	l/kg	3,025/3,025	2,800/2,800	2,525/2,525	2,325/2,325	2,050/2,050
	yd ³ /lb	3.96/6,670	3.66/6,170	3.30/5,570	3.04/5,130	2.68/4,520
HD bucket 2.0 t/m ³ , 3,370 lb/yd³	l/kg	2,825/2,825	2,600/2,600	2,350/2,350	2,175/2,175	1,900/1,900
	yd ³ /lb	3.70/6,230	3.40/5,730	3.07/5,180	2.84/4,800	2.49/4,190

Dimensions



• EC460C L with fixed undercarriage

Description		6.5 m, 21' 4" ME boom	7.0 m, 23' 0" boom			
		2.55 m, 8' 4" arm	2.55 m, 8' 4" arm	3.35 m, 11' 0" arm	3.9 m, 12' 10" arm	4.8 m, 15' 9" 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"	2,990, 9' 10"
B. Overall width	mm, ft-in	3,640, 11' 11"	3,640, 11' 11"	3,640, 11' 11"	3,640, 11' 11"	3,640, 11' 11"
C. Overall height of cab	mm, ft-in	3,257, 10' 8"	3,257, 10' 8"	3,257, 10' 8"	3,257, 10' 8"	3,257, 10' 8"
D. Tail swing radius	mm, ft-in	3,730, 12' 3"	3,730, 12' 3"	3,730, 12' 3"	3,730, 12' 3"	3,730, 12' 3"
E. Overall height of engine hood	mm, ft-in	2,750, 9' 0"	2,750, 9' 0"	2,750, 9' 0"	2,750, 9' 0"	2,750, 9' 0"
F. Counterweight clearance *	mm, ft-in	1,275, 4' 2"	1,275, 4' 2"	1,275, 4' 2"	1,275, 4' 2"	1,275, 4' 2"
G. Tumbler length	mm, ft-in	4,370, 14' 4"	4,370, 14' 4"	4,370, 14' 4"	4,370, 14' 4"	4,370, 14' 4"
H. Track length	mm, ft-in	5,370, 17' 7"	5,370, 17' 7"	5,370, 17' 7"	5,370, 17' 7"	5,370, 17' 7"
I. Track gauge	mm, ft-in	2,740, 9' 0"	2,740, 9' 0"	2,740, 9' 0"	2,740, 9' 0"	2,740, 9' 0"
J. Shoe width	mm, in	900, 36"	900, 36"	900, 36"	900, 36"	900, 36"
K. Min. ground clearance *	mm, ft-in	550, 1' 10"	550, 1' 10"	550, 1' 10"	550, 1' 10"	550, 1' 10"
L. Overall length	mm, ft-in	11,560, 37' 11"	12,060, 39' 7"	12,070, 39' 7"	12,070, 39' 7"	11,940, 39' 2"
M. Overall height of boom	mm, ft-in	3,770, 12' 4"	3,630, 11' 11"	3,650, 12' 0"	3,690, 12' 1"	4,650, 15' 3"

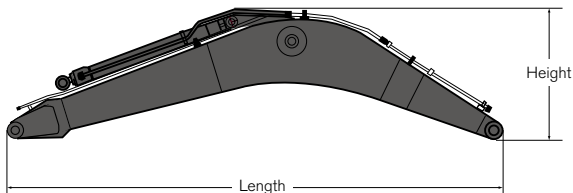
* Without shoe grouser

• EC460C L with retractable undercarriage

Description		6.5 m, 21' 4" ME boom	7.0 m, 23' 0" boom			
		2.55 m, 8' 4" arm	2.55 m, 8' 4" arm	3.35 m, 11' 0" arm	3.9 m, 12' 10" arm	4.8 m, 15' 9" 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"	2,990, 9' 10"
B. Overall width (extended)	mm, ft-in	3,790, 12' 5"	3,790, 12' 5"	3,790, 12' 5"	3,790, 12' 5"	3,790, 12' 5"
Overall width (retracted)	mm, ft-in	3,290, 10' 10"	3,290, 10' 10"	3,290, 10' 10"	3,290, 10' 10"	3,290, 10' 10"
C. Overall height of cab	mm, ft-in	3,367, 11' 1"	3,367, 11' 1"	3,367, 11' 1"	3,367, 11' 1"	3,367, 11' 1"
D. Tail swing radius	mm, ft-in	3,730, 12' 3"	3,730, 12' 3"	3,730, 12' 3"	3,730, 12' 3"	3,730, 12' 3"
E. Overall height of engine hood	mm, ft-in	2,860, 9' 5"	2,860, 9' 5"	2,860, 9' 5"	2,860, 9' 5"	2,860, 9' 5"
F. Counterweight clearance *	mm, ft-in	1,385, 4' 7"	1,385, 4' 7"	1,385, 4' 7"	1,385, 4' 7"	1,385, 4' 7"
G. Tumbler length	mm, ft-in	4,370, 14' 4"	4,370, 14' 4"	4,370, 14' 4"	4,370, 14' 4"	4,370, 14' 4"
H. Track length	mm, ft-in	5,370, 17' 7"	5,370, 17' 7"	5,370, 17' 7"	5,370, 17' 7"	5,370, 17' 7"
I. Track gauge (extended)	mm, ft-in	2,890, 9' 6"	2,890, 9' 6"	2,890, 9' 6"	2,890, 9' 6"	2,890, 9' 6"
Track gauge (retracted)	mm, ft-in	2,390, 7' 10"	2,390, 7' 10"	2,390, 7' 10"	2,390, 7' 10"	2,390, 7' 10"
J. Shoe width	mm, in	900, 36"	900, 36"	900, 36"	900, 36"	900, 36"
K. Min. ground clearance *	mm, ft-in	746, 2' 5"	746, 2' 5"	746, 2' 5"	746, 2' 5"	746, 2' 5"
L. Overall length	mm, ft-in	11,540, 37' 10"	12,060, 39' 7"	12,070, 39' 7"	12,070, 39' 7"	11,940, 39' 2"
M. Overall height of boom	mm, ft-in	3,800, 12' 6"	3,770, 12' 4"	3,790, 12' 5"	3,830, 12' 7"	4,790, 15' 9"

* Without shoe grouser

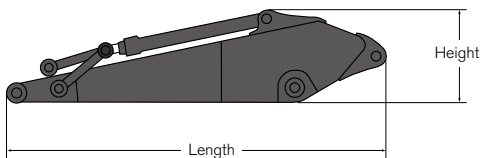
• Boom



Description		6.5 m, 21' 4" ME	7.0 m, 23' 0" HD
Length	mm, ft-in	6,750, 22' 2"	7,250, 23' 9"
Height	mm, ft-in	2,000, 6' 7"	1,840, 6' 0"
Width	mm, ft-in	960, 3' 2"	960, 3' 2"
Weight	kg, lb	4,094, 9,030	4,134, 9,120

* Includes cylinder, piping and pin

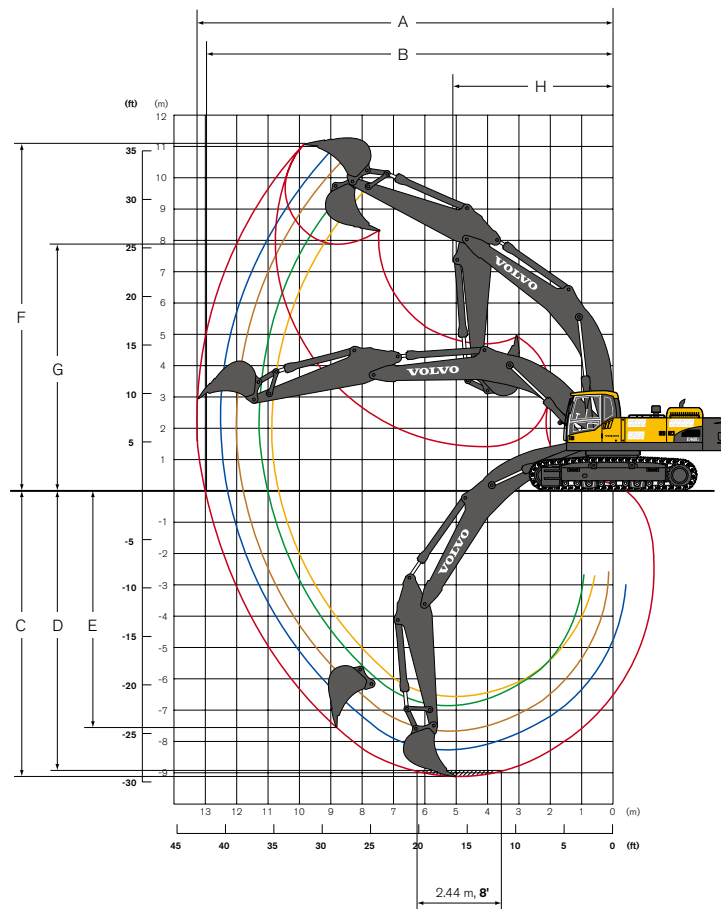
• Arm



Description		2.55 m, 8' 4"	3.35 m, 11' 0"		3.9 m, 12' 10"	4.8 m, 15' 9"
			General Purpose	Heavy-Duty		
Length	mm, ft-in	3,770, 12' 4"	4,590, 15' 1"	4,590, 15' 1"	5,140, 16' 10"	6,100, 20' 0"
Height	mm, ft-in	1,235, 4' 1"	1,230, 4' 0"	1,235, 4' 1"	1,240, 4' 1"	1,250, 4' 1"
Width	mm, ft-in	600, 2' 0"	600, 2' 0"	600, 2' 0"	600, 2' 0"	600, 2' 0"
Weight	kg, lb	2,310, 5,090	2,410, 5,310	2,557, 5,640	2,580, 5,690	2,725, 6,010

* Includes cylinder, linkage and pin

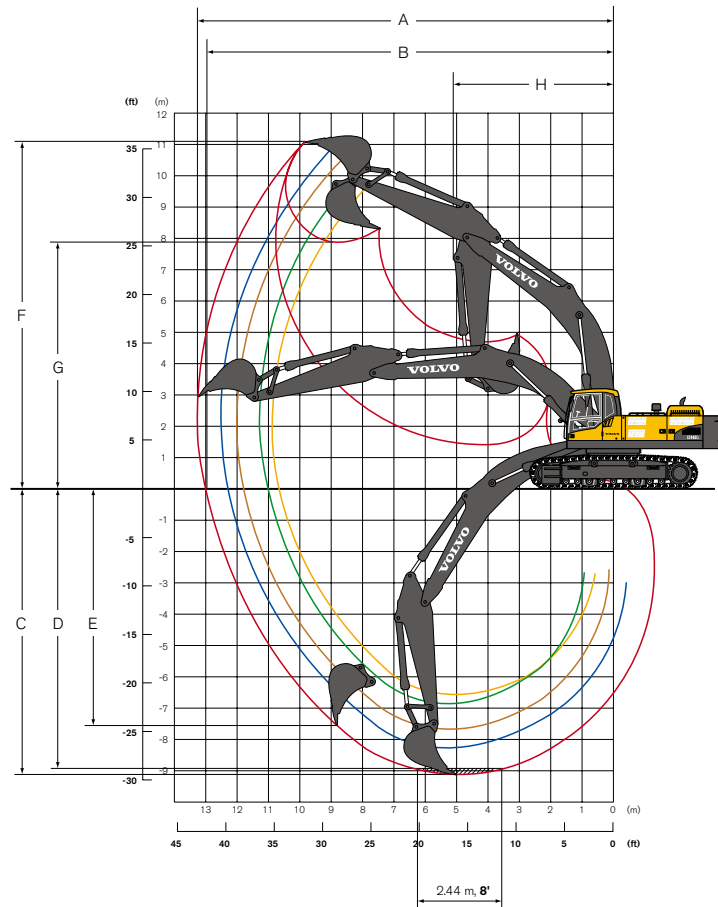
Working ranges & digging force



• EC460C L with fixed undercarriage, pin-on bucket

Machine with pin-on bucket		6.5 m, 21' 4" ME boom		7.0 m, 23' 0" boom		
		2.55 m, 8' 4" arm	2.55 m, 8' 4" arm	3.35 m, 11' 0" arm	3.9 m, 12' 10" arm	4.8 m, 15' 9" arm
A. Max. digging reach	mm, ft-in	10,900, 35' 9"	11,310, 37' 1"	12,000, 39' 4"	12,500, 41' 0"	13,220, 43' 4"
B. Max. digging reach on ground	mm, ft-in	10,660, 35' 0"	11,070, 36' 4"	11,780, 38' 8"	12,290, 40' 4"	13,020, 42' 9"
C. Max. digging depth	mm, ft-in	6,570, 21' 7"	6,900, 22' 8"	7,700, 25' 3"	8,250, 27' 1"	9,150, 30' 0"
D. Max. digging depth (8' level)	mm, ft-in	6,400, 21' 0"	6,720, 22' 1"	7,550, 24' 9"	8,120, 26' 8"	9,030, 29' 8"
E. Max. vertical wall digging depth	mm, ft-in	5,800, 19' 0"	6,150, 20' 2"	6,840, 22' 5"	7,300, 23' 11"	7,730, 25' 4"
F. Max. cutting height	mm, ft-in	10,580, 34' 9"	10,820, 35' 6"	10,970, 36' 0"	11,150, 36' 7"	11,090, 36' 5"
G. Max. dumping height	mm, ft-in	6,980, 22' 11"	7,440, 24' 5"	7,650, 25' 1"	7,840, 25' 9"	7,870, 25' 10"
H. Min. front swing radius	mm, ft-in	4,770, 15' 8"	5,170, 17' 0"	5,090, 16' 8"	4,990, 16' 4"	5,040, 16' 6"

Digging forces with pin-on bucket			6.5 m, 21' 4" ME boom		7.0 m, 23' 0" boom		
			2.55 m, 8' 4" arm	2.55 m, 8' 4" arm	3.35 m, 11' 0" arm	3.9 m, 12' 10" arm	4.8 m, 15' 9" arm
Bucket radius	mm, in	1,923, 76"	1,810, 71"	1,810, 71"	1,810, 71"	1,810, 71"	
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
	6015	lb	55,130/60,200	50,050/54,900	50,050/54,900	50,050/54,900	50,050/54,900
Tearout force - arm (Normal/Power boost)	SAE J1179	kN	276.5/302.0	253.0/276.5	253.0/276.5	253.0/276.5	253.0/276.5
	6015	lb	62,150/67,880	56,870/62,150	56,870/62,150	56,870/62,150	56,870/62,150
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
	6015	lb	48,950/53,360	50,490/55,130	42,780/46,970	38,370/41,900	34,840/38,150
Rotation angle, bucket	deg.	169	183	183	183	183	



• EC460C L with mechanically retractable undercarriage, pin-on bucket

Machine with pin-on bucket		6.5 m, 21' 4" ME boom		7.0 m, 23' 0" boom		
		2.55 m, 8' 4" arm	2.55 m, 8' 4" arm	3.35 m, 11' 0" arm	3.9 m, 12' 10" arm	4.8 m, 15' 9" arm
A. Max. digging reach	mm, ft-in	10,900, 35' 9"	11,310, 37' 1"	12,000, 39' 4"	12,500, 41' 0"	13,220, 43' 4"
B. Max. digging reach on ground	mm, ft-in	10,630, 34' 11"	11,050, 36' 3"	11,750, 38' 7"	12,260, 40' 3"	12,990, 42' 7"
C. Max. digging depth	mm, ft-in	6,440, 21' 2"	6,770, 22' 3"	7,570, 24' 10"	8,120, 26' 8"	9,020, 29' 7"
D. Max. digging depth (8' level)	mm, ft-in	6,270, 20' 7"	6,590, 21' 7"	7,420, 24' 4"	7,980, 26' 2"	8,900, 29' 2"
E. Max. vertical wall digging depth	mm, ft-in	5,670, 18' 7"	6,020, 19' 9"	6,710, 22' 0"	7,170, 23' 6"	7,600, 24' 11"
F. Max. cutting height	mm, ft-in	10,710, 35' 2"	10,950, 35' 11"	11,110, 36' 5"	11,280, 37' 0"	11,220, 36' 10"
G. Max. dumping height	mm, ft-in	7,110, 23' 4"	7,570, 24' 10"	7,780, 25' 6"	7,970, 26' 2"	8,000, 26' 3"
H. Min. front swing radius	mm, ft-in	4,770, 15' 8"	5,170, 17' 0"	5,090, 16' 8"	4,990, 16' 4"	5,040, 16' 6"












Digging forces with pin-on bucket		6.5 m, 21' 4" ME boom		7.0 m, 23' 0" boom		
		2.55 m, 8' 4" arm	2.55 m, 8' 4" arm	3.35 m, 11' 0" arm	3.9 m, 12' 10" arm	4.8 m, 15' 9" arm
Bucket radius	mm, in	1,923, 76"	1,810, 71"	1,810, 71"	1,810, 71"	1,810, 71"
Breakout force - bucket (Normal/Power boost)	SAE J1179	kN lb	245.2/267.7 55,130/60,200	222.6/244.2 50,050/54,900	222.6/244.2 50,050/54,900	222.6/244.2 50,050/54,900
	ISO 6015	kN lb	276.5/302.0 62,150/67,880	253.0/276.5 56,870/62,150	253.0/276.5 56,870/62,150	253.0/276.5 56,870/62,150
Tearout force - arm (Normal/Power boost)	SAE J1179	kN lb	217.7/237.3 48,950/53,360	224.6/245.2 50,490/55,130	190.2/208.9 42,780/46,970	170.6/186.3 38,370/41,900
	ISO 6015	kN lb	224.6/246.1 50,480/55,320	231.4/253.0 52,010/56,870	195.1/213.8 43,850/48,060	173.6/190.2 39,020/42,750
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	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	m/ft		
ME boom 6.5 m, 21' 4" + Arm 2.55 m, 8' 4" + Shoe 900 mm, 36" + Counterweight 9,300 kg, 20,510 lb	7.5 m 25'																11.6	25,810	11.3	25,410	7.2/23.5	
	6.0 m 20'					13.0	28,190	13.0	28,190	11.9	26,210	10.6	22,890					11.2	24,720	9.3	20,710	8.1/26.6
	4.5 m 15'	19.3	41,440	19.3	41,440	14.8	31,970	14.4	31,150	12.7	27,630	10.4	22,380					11.2	24,680	8.3	18,350	8.7/28.4
	3.0 m 10'	22.2	51,040	20.7	44,710	16.8	36,360	13.8	29,760	13.7	29,740	10.1	21,720					11.6	25,520	7.8	17,210	8.9/29.3
	1.5 m 5'	15.9	39,210	15.9	39,210	18.4	39,770	13.3	28,690	14.6	31,600	9.8	21,130					12.1	26,610	7.7	16,940	8.9/29.3
	0 m 0'	23.3	54,820	19.9	42,720	19.0	41,200	13.0	28,140	15.0	32,450	9.6	20,780					12.5	27,630	7.9	17,500	8.7/28.5
	-1.5 m -5'	24.4	53,080	19.9	42,880	18.6	40,320	13.0	28,050	14.6	31,450	9.6	20,760					13.0	28,710	8.7	19,170	8.1/26.6
	-3.0 m -10'	21.9	47,370	20.2	43,480	16.9	36,330	13.2	28,430									13.1	28,950	10.3	22,860	7.2/23.6
-4.5 m -15'	16.9	36,050	16.9	36,050													12.5	28,400	12.5	28,400	5.8/18.4	
Boom 7.0 m, 23' 0" + Arm 2.55 m, 8' 4" + Shoe 900 mm, 36" + Counterweight 9,300 kg, 20,510 lb	7.5 m 25'									11.0	24,240	10.7	22,990					11.1	24,420	9.8	22,050	7.9/25.6
	6.0 m 20'					12.6	27,370	12.6	27,370	11.3	24,700	10.5	22,720					11.0	24,200	8.3	18,450	8.7/28.4
	4.5 m 15'					14.7	31,610	14.1	30,490	12.3	26,620	10.2	22,050	11.1	24,390	7.8	16,730	11.1	24,370	7.5	16,540	9.2/30.2
	3.0 m 10'					16.8	36,160	13.4	29,010	13.4	28,960	9.9	21,300	11.6	25,240	7.6	16,420	11.1	24,430	7.1	15,600	9.5/31.0
	1.5 m 5'					18.2	39,440	13.0	27,970	14.3	30,950	9.6	20,680	11.8	25,400	7.5	16,120	11.0	24,160	7.0	15,370	9.5/31.0
	0 m 0'					18.8	40,720	12.8	27,490	14.8	31,990	9.4	20,310	11.7	25,240	7.4	15,970	11.3	24,970	7.2	15,810	9.2/30.2
	-1.5 m -5'	23.9	51,980	19.6	42,170	18.5	40,000	12.7	27,450	14.6	31,560	9.4	20,250					12.1	26,690	7.8	17,130	8.7/28.5
	-3.0 m -10'	21.8	47,320	19.9	42,720	17.1	36,980	12.9	27,780	13.3	28,470	9.5	20,610					12.3	27,080	9.0	19,930	7.9/25.7
-4.5 m -15'	18.1	38,830	18.1	38,830	13.9	29,550	13.3	28,690									12.0	26,420	11.7	26,300	6.6/21.3	
Boom 7.0 m, 23' 0" + Arm 3.35 m, 11' 0" + Shoe 900 mm, 36" + Counterweight 9,300 kg, 20,510 lb	7.5 m 25'									9.7	21,320	9.7	21,320					8.9	19,580	8.6	19,170	8.7/28.3
	6.0 m 20'									10.3	22,460	10.3	22,460	9.9	21,720	8.1	17,350	8.7	19,100	7.4	16,480	9.5/30.9
	4.5 m 15'	17.4	37,210	17.4	37,210	13.3	28,780	13.3	28,780	11.4	24,690	10.4	22,470	10.3	22,550	7.9	17,050	8.7	19,210	6.8	14,960	9.9/32.5
	3.0 m 10'	22.1	47,480	20.7	44,640	15.6	33,720	13.7	29,660	12.6	27,360	10.0	21,630	11.0	23,910	7.7	16,620	9.0	19,860	6.4	14,180	10.2/33.3
	1.5 m 5'	14.3	34,560	14.3	34,560	17.5	37,830	13.2	28,380	13.8	29,820	9.7	20,890	11.6	25,260	7.5	16,210	9.6	21,120	6.3	13,950	10.2/33.3
	0 m 0'	17.6	41,000	17.6	41,000	18.6	40,180	12.8	27,630	14.5	31,480	9.4	20,380	11.7	25,190	7.4	15,920	10.2	22,430	6.5	14,250	9.9/32.5
	-1.5 m -5'	25.0	54,370	19.4	41,820	18.7	40,580	12.7	27,360	14.7	31,910	9.3	20,150	11.6	25,100	7.3	15,840	10.9	24,030	6.9	15,210	9.5/30.9
	-3.0 m -10'	23.5	50,970	19.6	42,190	18.0	38,890	12.7	27,480	14.2	30,540	9.4	20,250					11.6	25,570	7.8	17,200	8.7/28.4
-4.5 m -15'	20.6	44,530	20.0	42,990	15.9	34,240	13.0	28,020									11.8	25,980	9.5	21,290	7.6/24.5	
Boom 7.0 m, 23' 0" + Arm 3.9 m, 12' 10" + Shoe 900 mm, 36" + Counterweight 9,300 kg, 20,510 lb	7.5 m 25'													8.8	16,930	8.2	16,930	7.1	15,790	7.1	15,790	9.3/30.2
	6.0 m 20'									9.5	20,630	9.5	20,630	9.1	19,970	8.1	17,440	7.0	15,430	6.8	15,040	10.0/32.6
	4.5 m 15'					12.2	26,350	12.2	26,350	10.6	22,960	10.5	22,550	9.7	21,080	7.9	17,030	7.1	15,540	6.2	13,730	10.4/34.2
	3.0 m 10'	20.2	43,230	20.2	43,230	14.6	31,420	13.8	29,800	11.9	25,770	10.0	21,610	10.4	22,630	7.7	16,520	7.3	16,030	5.9	13,030	10.7/34.9
	1.5 m 5'	19.6	46,670	19.6	42,530	16.6	35,950	13.1	28,290	13.1	28,470	9.6	20,740	11.1	24,200	7.4	16,020	7.7	16,980	5.8	12,800	10.7/34.9
	0 m 0'	19.4	45,050	19.2	41,310	18.0	38,930	12.7	27,310	14.1	30,480	9.3	20,100	11.6	24,930	7.3	15,640	8.4	18,510	5.9	13,020	10.4/34.2
	-1.5 m -5'	24.4	54,430	19.1	41,000	18.5	40,040	12.5	26,860	14.5	31,410	9.2	19,750	11.5	24,720	7.2	15,450	9.5	20,960	6.2	13,790	10.0/32.7
	-3.0 m -10'	24.0	52,090	19.2	41,230	18.1	39,190	12.5	26,850	14.2	30,800	9.1	19,730	11.4	24,430	7.2	15,570	10.9	23,970	6.9	15,360	9.3/30.3
-4.5 m -15'	21.7	46,940	19.5	41,920	16.6	35,820	12.6	27,260	12.9	27,610	9.3	20,110					11.2	24,670	8.3	18,460	8.2/26.7	
Boom 7.0 m, 23' 0" + Arm 4.8 m, 15' 9" + Shoe 900 mm, 36" + Counterweight 9,300 kg, 20,510 lb	7.5 m 25'													7.6	16,770	7.6	16,770	6.6	14,470	6.6	14,470	10.1/32.9
	6.0 m 20'													7.9	17,410	7.9	17,410	6.5	14,290	6.0	13,320	10.8/35.2
	4.5 m 15'									9.3	20,120	9.3	20,120	8.6	18,780	8.0	17,140	6.6	14,470	5.5	12,220	11.2/36.6
	3.0 m 10'	17.0	36,460	17.0	36,460	12.8	27,600	12.8	27,600	10.7	23,130	10.1	21,790	9.4	20,560	7.7	16,510	6.8	14,980	5.3	11,600	11.4/37.3
	1.5 m 5'	21.2	45,780	20.1	43,280	15.1	32,720	13.2	28,520	12.1	26,180	9.6	20,740	10.3	22,410	7.4	15,890	7.2	15,860	5.2	11,360	11.4/37.3
	0 m 0'	23.6	51,480	19.1	41,140	16.9	36,630	12.6	27,170	13.2	28,720	9.2	19,890	11.1	24,010	7.1	15,370	7.8	17,270	5.2	11,480	11.2/36.6
	-1.5 m -5'	24.8	53,660	18.7	40,240	17.9	38,830	12.2	26,390	14.0	30,340	9.0	19,340	11.3	24,310	7.0	15,030	8.8	19,320	5.5	12,020	10.8/35.2
	-3.0 m -10'	24.5	53,090	18.7	40,110	18.1	39,190	12.1	26,120	14.2	30,710	8.9	19,120	11.2	24,190	6.9	14,920	9.6	21,170	5.9	13,150	10.1/33.0
-4.5 m -15'	23.1	49,880	18.8	40,530	17.3	37,450	12.2	26,290	13.6	29,300	8.9	19,250					11.0	23,050	6.9	15,290	9.1/29.8	













- Notes:
- Machine in "Fine Mode-F" (Power Boost) for lifting capacities.
 - The above loads are in compliance with SAE J1097 and ISO 10567 Hydraulic Excavator Lifting Capacity Standards.
 - Rated loads do not exceed 87% of hydraulic lifting capacity or 75% of tipping load.
 - 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	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 6.5 m, 21' 4" + Arm 2.55 m, 8' 4" + Shoe 900 mm, 36" + Counterweight 9,300 kg, 20,510 lb	7.5 m 25'																	11.4	25,360	11.4	25,360	7.4/23.8
	6.0 m 20'					13.0	28,230	13.0	28,230	11.9	26,060	11.3	24,370					11.0	24,330	9.8	21,770	8.2/26.8
	4.5 m 15'	19.7	42,150	19.7	42,150	14.9	32,150	14.9	32,150	12.7	27,590	11.1	23,830					11.1	24,380	8.8	19,410	8.7/28.6
	3.0 m 10'	23.6	51,590	22.5	48,330	16.9	36,520	14.8	31,850	13.7	29,710	10.7	23,150					11.5	25,270	8.3	18,300	9.0/29.4
	1.5 m 5'	16.1	39,550	16.1	39,550	18.4	39,790	14.3	30,830	14.5	31,510	10.5	22,580					12.3	27,100	8.2	18,110	8.9/29.3
	0 m 0'	24.2	55,520	21.7	46,550	18.9	41,040	14.1	30,310	14.9	32,240	10.3	22,250					12.7	27,890	8.5	18,810	8.6/28.4
	-1.5 m -5'	24.2	52,560	21.8	46,740	18.4	39,910	14.0	30,260	14.4	30,990	10.3	22,270					12.9	28,540	9.4	20,760	8.1/26.4
	-3.0 m -10'	21.5	46,470	21.5	46,470	16.5	35,520	14.2	30,690									13.0	28,700	11.3	25,060	7.1/23.3
-4.5 m -15'																						
Boom 7.0 m, 23' 0" + Arm 2.55 m, 8' 4" + Shoe 900 mm, 36" + Counterweight 9,300 kg, 20,510 lb	7.5 m 25'									11.0	24,240	11.0	24,240					11.1	24,420	10.6	23,780	7.9/25.6
	6.0 m 20'					12.6	27,370	12.6	27,370	11.3	24,700	11.3	24,500					11.0	24,200	9.0	19,920	8.7/28.5
	4.5 m 15'	20.1	43,050	20.1	43,050	14.7	31,610	14.7	31,610	12.3	26,620	11.0	23,830	11.1	24,390	8.4	18,090	11.1	24,370	8.1	17,890	9.2/30.2
	3.0 m 10'					16.8	36,160	14.6	31,490	13.4	28,960	10.7	23,070	11.6	25,240	8.3	17,780	11.3	24,780	7.7	16,900	9.5/31.0
	1.5 m 5'					18.2	39,440	14.1	30,440	14.3	30,950	10.4	22,440	12.0	26,120	8.1	17,480	11.3	24,860	7.6	16,660	9.5/31.1
	0 m 0'	14.0	30,380	14.0	30,380	18.8	40,720	13.9	29,950	14.8	31,990	10.2	22,060	12.0	25,970	8.0	17,330	11.7	25,690	7.8	17,160	9.2/30.2
	-1.5 m -5'	23.9	51,980	21.5	46,230	18.5	40,000	13.9	29,900	14.6	31,560	10.2	22,000					12.1	26,690	8.4	18,590	8.7/28.5
	-3.0 m -10'	21.8	47,320	21.8	46,790	17.1	36,980	14.0	30,240	13.3	28,470	10.3	22,360					12.3	27,080	9.7	21,620	7.9/25.7
-4.5 m -15'	18.1	38,830	18.1	38,830	13.9	29,550	13.9	29,550									12.0	26,420	12.0	26,420	6.6/21.4	
Boom 7.0 m, 23' 0" + Arm 3.35 m, 11' 0" + Shoe 900 mm, 36" + Counterweight 9,300 kg, 20,510 lb	7.5 m 25'									9.7	21,320	9.7	21,320					8.9	19,580	8.9	19,580	8.7/28.3
	6.0 m 20'									10.3	22,460	10.3	22,460	9.9	21,720	8.7	18,720	8.7	19,100	8.0	17,790	9.5/30.9
	4.5 m 15'	17.4	37,210	17.4	37,210	13.3	28,780	13.3	28,780	11.4	24,690	11.2	24,250	10.3	22,550	8.6	18,410	8.7	19,210	7.3	16,190	9.9/32.5
	3.0 m 10'	22.1	47,480	22.1	47,480	15.6	33,720	14.9	32,150	12.6	27,360	10.8	23,400	11.0	23,910	8.3	17,980	9.0	19,860	7.0	15,360	10.2/33.3
	1.5 m 5'	14.3	34,560	14.3	34,560	17.5	37,830	14.3	30,850	13.8	29,820	10.5	22,650	11.6	25,260	8.1	17,570	9.6	21,120	6.9	15,130	10.2/33.3
	0 m 0'	17.6	41,000	17.6	41,000	18.6	40,180	14.0	30,090	14.5	31,480	10.3	22,130	12.0	25,920	8.0	17,280	10.5	23,090	7.0	15,470	9.9/32.6
	-1.5 m -5'	25.0	54,370	21.3	45,870	18.7	40,580	13.8	29,810	14.7	31,910	10.2	21,900	12.0	25,830	8.0	17,200	11.2	24,730	7.5	16,510	9.5/31.0
	-3.0 m -10'	23.5	50,970	21.5	46,250	18.0	38,890	13.9	29,940	14.2	30,540	10.2	22,000					11.6	25,570	8.4	18,660	8.7/28.4
-4.5 m -15'	20.6	44,530	20.6	44,530	15.9	34,240	14.1	30,490	12.0	26,240	10.4	22,530					11.8	25,980	10.3	23,090	7.6/24.6	
Boom 7.0 m, 23' 0" + Arm 3.9 m, 12' 10" + Shoe 900 mm, 36" + Counterweight 9,300 kg, 20,510 lb	7.5 m 25'													8.8	16,930	8.8	16,930	7.1	15,790	7.1	15,790	9.3/30.2
	6.0 m 20'									9.5	20,630	9.5	20,630	9.1	19,970	8.7	18,810	7.0	15,430	7.0	15,430	10.0/32.7
	4.5 m 15'					12.2	26,350	12.2	26,350	10.6	22,960	10.6	22,960	9.7	21,080	8.5	18,400	7.1	15,540	6.7	14,880	10.4/34.2
	3.0 m 10'	20.2	43,230	20.2	43,230	14.6	31,420	14.6	31,420	11.9	25,770	10.8	23,380	10.4	22,630	8.3	17,880	7.3	16,030	6.4	14,140	10.7/35.0
	1.5 m 5'	19.6	46,670	19.6	46,620	16.6	35,950	14.3	30,770	13.1	28,470	10.4	22,500	11.1	24,200	8.1	17,380	7.7	16,980	6.3	13,910	10.7/35.0
	0 m 0'	19.4	45,050	19.4	45,050	18.0	38,930	13.8	29,770	14.1	30,480	10.1	21,850	11.7	25,380	7.9	17,000	8.4	18,510	6.4	14,160	10.4/34.3
	-1.5 m -5'	24.4	54,430	21.0	45,050	18.5	40,040	13.6	29,320	14.5	31,410	10.0	21,510	11.8	25,450	7.8	16,810	9.5	20,960	6.8	15,000	10.0/32.7
	-3.0 m -10'	24.0	52,090	21.1	45,280	18.1	39,190	13.6	29,310	14.2	30,800	10.0	21,480	11.4	24,430	7.8	16,930	10.9	23,970	7.5	16,700	9.3/30.3
-4.5 m -15'	21.7	46,940	21.4	45,990	16.6	35,820	13.8	29,720	12.9	27,610	10.1	21,870					11.2	24,670	9.0	20,050	8.2/26.8	
Boom 7.0 m, 23' 0" + Arm 4.8 m, 15' 9" + Shoe 900 mm, 36" + Counterweight 9,300 kg, 20,510 lb	7.5 m 25'													7.6	16,770	7.6	16,770	6.6	14,470	6.6	14,470	10.1/33.0
	6.0 m 20'													7.9	17,410	7.9	17,410	6.5	14,290	6.5	14,290	10.8/35.2
	4.5 m 15'									9.3	20,120	9.3	20,120	8.6	18,780	8.6	18,520	6.6	14,470	6.0	13,270	11.2/36.6
	3.0 m 10'	17.0	36,460	17.0	36,460	12.8	27,600	12.8	27,600	10.7	23,130	10.7	23,130	9.4	20,560	8.3	17,890	6.8	14,980	5.7	12,620	11.4/37.3
	1.5 m 5'	21.2	45,780	21.2	45,780	15.1	32,720	14.4	31,010	12.1	26,180	10.4	22,500	10.3	22,410	8.0	17,260	7.2	15,860	5.6	12,380	11.4/37.3
	0 m 0'	23.6	51,480	21.0	45,200	16.9	36,630	13.8	29,640	13.2	28,720	10.0	21,650	11.1	24,010	7.8	16,730	7.8	17,270	5.7	12,520	11.2/36.7
	-1.5 m -5'	24.8	53,660	20.6	44,280	17.9	38,830	13.4	28,850	14.0	30,340	9.8	21,090	11.5	25,000	7.6	16,380	8.8	19,440	5.9	13,120	10.8/35.3
	-3.0 m -10'	24.5	53,090	20.5	44,140	18.1	39,190	13.3	28,570	14.2	30,710	9.7	20,870	11.5	24,920	7.5	16,280	9.9	21,820	6.5	14,350	10.1/33.1
-4.5 m -15'	23.1	49,880	20.7	44,580	17.3	37,450	13.3	28,750	13.6	29,300	9.7	21,000	10.7	23,640	7.6	16,470	10.4	23,050	7.5	16,660	9.1/29.8	












- Notes:
- Machine in "Fine Mode-F" (Power Boost) for lifting capacities.
 - The above loads are in compliance with SAE J1097 and ISO 10567 Hydraulic Excavator Lifting Capacity Standards.
 - Rated loads do not exceed 87% of hydraulic lifting capacity or 75% of tipping load.
 - 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 fixed undercarriage

 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	m/ft		
ME boom 6.5 m, 21' 4" + Arm 2.55 m, 8' 4" + Shoe 900 mm, 36" + Counterweight 10,000 kg, 22,050 lb	7.5 m 25'																11.6	*25,810	11.6	*25,810	7.2/23.5	
	6.0 m 20'					13.0	*28,190	13.0	*28,190	11.9	*26,210	11.1	23,800					11.2	*24,720	9.7	21,550	8.1/26.6
	4.5 m 15'	19.3	*41,440	19.3	*41,440	14.8	*31,970	14.8	*31,970	12.7	*27,630	10.8	23,290					11.2	*24,680	8.6	19,120	8.7/28.4
	3.0 m 10'	22.2	*51,040	21.5	46,520	16.8	*36,360	14.3	30,970	13.7	*29,740	10.5	22,630					11.6	*25,520	8.1	17,960	8.9/29.3
	1.5 m 5'	15.9	*39,210	15.9	*39,210	18.4	*39,770	13.9	29,900	14.6	*31,600	10.2	22,040					12.4	*27,330	8.0	17,690	8.9/29.3
	0 m 0'	23.3	*54,820	20.7	44,520	19.0	*41,200	13.6	29,350	15.0	*32,450	10.1	21,690					12.7	*28,040	8.3	18,280	8.7/28.5
	-1.5 m -5'	24.4	*53,080	20.8	44,690	18.6	*40,320	13.6	29,260	14.6	*31,450	10.0	21,670					13.0	*28,710	9.1	20,010	8.1/26.6
	-3.0 m -10'	21.9	*47,370	21.1	45,290	16.9	*36,330	13.7	29,640									13.1	*28,950	10.7	23,840	7.2/23.6
-4.5 m -15'	16.9	*36,050	16.9	*36,050														12.5	*28,400	12.5	*28,400	5.8/18.4
Boom 7.0 m, 23' 0" + Arm 2.55 m, 8' 4" + Shoe 900 mm, 36" + Counterweight 10,000 kg, 22,050 lb	7.5 m 25'									11.0	*24,240	11.0	23,970					11.1	*24,420	10.3	23,010	7.9/25.6
	6.0 m 20'					12.6	*27,370	12.6	*27,370	11.3	*24,700	11.0	23,700					11.0	*24,200	8.7	19,290	8.7/28.4
	4.5 m 15'					14.7	*31,610	14.7	*31,610	12.3	*26,620	10.7	23,040	11.1	*24,390	8.1	17,510	11.1	*24,370	7.8	17,320	9.2/30.2
	3.0 m 10'					16.8	*36,160	14.0	30,320	13.4	*28,960	10.3	22,280	11.6	*25,240	8.0	17,210	11.3	*24,780	7.4	16,360	9.5/31.0
	1.5 m 5'					18.2	*39,440	13.6	29,280	14.3	*30,950	10.0	21,660	12.0	*26,120	7.8	16,900	11.4	25,140	7.3	16,120	9.5/31.0
	0 m 0'					18.8	*40,720	13.4	28,800	14.8	*31,990	9.9	21,300	12.1	26,260	7.8	16,760	11.8	25,970	7.5	16,590	9.2/30.2
	-1.5 m -5'	23.9	*51,980	20.5	44,120	18.5	*40,000	13.3	28,750	14.6	*31,560	9.8	21,230					12.1	*26,690	8.1	17,970	8.7/28.5
	-3.0 m -10'	21.8	*47,320	20.8	44,670	17.1	*36,980	13.5	29,090	13.3	*28,470	10.0	21,590					12.3	*27,080	9.4	20,880	7.9/25.7
-4.5 m -15'	18.1	*38,830	18.1	*38,830	13.9	*29,550	13.9	*29,550										12.0	*26,420	12.0	*26,420	6.6/21.3
Boom 7.0 m, 23' 0" + Arm 3.35 m, 11' 0" + Shoe 900 mm, 36" + Counterweight 10,000 kg, 22,050 lb	7.5 m 25'									9.7	*21,320	9.7	*21,320					8.9	*19,580	8.9	*19,580	8.7/28.3
	6.0 m 20'									10.3	*22,460	10.3	*22,460	9.9	*21,720	8.4	18,140	8.7	*19,100	7.8	17,240	9.5/30.9
	4.5 m 15'	17.4	*37,210	17.4	*37,210	13.3	*28,780	13.3	*28,780	11.4	*24,690	10.9	23,450	10.3	*22,550	8.3	17,830	8.7	*19,210	7.1	15,680	9.9/32.5
	3.0 m 10'	22.1	*47,480	21.6	46,590	15.6	*33,720	14.3	30,960	12.6	*27,360	10.5	22,610	11.0	*23,910	8.1	17,400	9.0	*19,860	6.7	14,870	10.2/33.3
	1.5 m 5'	14.3	*34,560	14.3	*34,560	17.5	*37,830	13.8	29,680	13.8	*29,820	10.1	21,870	11.6	*25,260	7.9	16,990	9.6	*21,120	6.6	14,640	10.2/33.3
	0 m 0'	17.6	*41,000	17.6	*41,000	18.6	*40,180	13.4	28,940	14.5	*31,480	9.9	21,360	12.0	*26,130	7.7	16,710	10.5	*23,160	6.8	14,970	9.9/32.5
	-1.5 m -5'	25.0	*54,370	20.4	43,770	18.7	*40,580	13.3	28,660	14.7	*31,910	9.8	21,130	12.0	*25,920	7.7	16,630	11.2	*24,800	7.2	15,970	9.5/30.9
	-3.0 m -10'	23.5	*50,970	20.5	44,140	18.0	*38,890	13.4	28,790	14.2	*30,540	9.8	21,230					11.6	*25,570	8.1	18,040	8.7/28.4
-4.5 m -15'	20.6	*44,530	20.6	*44,530	15.9	*34,240	13.6	29,330										11.8	*25,980	10.0	22,300	7.6/24.5
Boom 7.0 m, 23' 0" + Arm 3.9 m, 12' 10" + Shoe 900 mm, 36" + Counterweight 10,000 kg, 22,050 lb	7.5 m 25'													8.8	*16,930	8.6	*16,930	7.1	*15,790	7.1	*15,790	9.3/30.2
	6.0 m 20'									9.5	*20,630	9.5	*20,630	9.1	*19,970	8.5	18,220	7.0	*15,430	7.0	*15,430	10.0/32.6
	4.5 m 15'					12.2	*26,350	12.2	*26,350	10.6	*22,960	10.6	*22,960	9.7	*21,080	8.3	17,820	7.1	*15,540	6.5	14,410	10.4/34.2
	3.0 m 10'	20.2	*43,230	20.2	*43,230	14.6	*31,420	14.4	31,110	11.9	*25,770	10.5	22,590	10.4	*22,630	8.0	17,310	7.3	*16,030	6.2	13,690	10.7/34.9
	1.5 m 5'	19.6	*46,670	19.6	44,480	16.6	*35,950	13.7	29,600	13.1	*28,470	10.1	21,720	11.1	*24,200	7.8	16,810	7.7	*16,980	6.1	13,460	10.7/34.9
	0 m 0'	19.4	*45,050	19.4	43,260	18.0	*38,930	13.3	28,820	14.1	*30,480	9.8	21,080	11.7	*25,380	7.6	16,430	8.4	*18,510	6.2	13,700	10.4/34.2
	-1.5 m -5'	24.4	*54,430	20.0	42,950	18.5	*40,040	13.1	28,170	14.5	*31,410	9.6	20,740	11.9	25,740	7.5	16,240	9.5	*20,960	6.6	14,500	10.0/32.7
	-3.0 m -10'	24.0	*52,090	20.1	43,180	18.1	*39,190	13.1	28,160	14.2	*30,800	9.6	20,710	11.4	*24,430	7.6	16,360	10.9	*23,970	7.3	16,140	9.3/30.3
-4.5 m -15'	21.7	*46,940	20.4	43,870	16.6	*35,820	13.2	28,570	12.9	*27,610	9.8	21,100					11.2	*24,670	8.7	19,360	8.2/26.7	
Boom 7.0 m, 23' 0" + Arm 4.8 m, 15' 9" + Shoe 900 mm, 36" + Counterweight 10,000 kg, 22,050 lb	7.5 m 25'													7.6	*16,770	7.6	*16,770	6.6	*14,470	6.6	*14,470	10.1/32.9
	6.0 m 20'													7.9	*17,410	7.9	*17,410	6.5	*14,290	6.3	13,970	10.8/35.2
	4.5 m 15'									9.3	*20,120	9.3	*20,120	8.6	*18,780	8.3	17,920	6.6	*14,470	5.8	12,840	11.2/36.6
	3.0 m 10'	17.0	*36,460	17.0	*36,460	12.8	*27,600	12.8	*27,600	10.7	*23,130	10.6	22,770	9.4	*20,560	8.0	17,300	6.8	*14,980	5.5	12,210	11.4/37.3
	1.5 m 5'	21.2	*45,780	21.0	45,230	15.1	*32,720	13.8	29,830	12.1	*26,180	10.1	21,720	10.3	*22,410	7.7	16,680	7.2	*15,860	5.4	11,970	11.4/37.3
	0 m 0'	23.6	*51,480	20.0	43,090	16.9	*36,630	13.2	28,470	13.2	*28,720	9.7	20,870	11.1	*24,010	7.5	16,160	7.8	*17,270	5.5	12,100	11.2/36.6
	-1.5 m -5'	24.8	*53,660	19.6	42,190	17.9	*38,830	12.9	27,700	14.0	*30,340	9.4	20,320	11.5	*25,000	7.3	15,810	8.8	*19,440	5.7	12,680	10.8/35.2
	-3.0 m -10'	24.5	*53,090	19.6	42,060	18.1	*39,190	12.7	27,430	14.2	*30,710	9.3	20,100	11.5	*24,950	7.3	15,710	10.0	*21,970	6.3	13,860	10.1/33.0
-4.5 m -15'	23.1	*49,880	19.7	42,480	17.3	*37,450	12.8	27,600	13.6	*29,300	9.4	20,240					10.4	*23,050	7.2	16,090	9.1/29.8	













- Notes:
- Machine in "Fine Mode-F" (Power Boost) for lifting capacities.
 - The above loads are in compliance with SAE J1097 and ISO 10567 Hydraulic Excavator Lifting Capacity Standards.
 - Rated loads do not exceed 87% of hydraulic lifting capacity or 75% of tipping load.
 - 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	4.5 m, 15'				6.0 m, 20'				7.5 m, 25'				9.0 m, 30'				Max. reach				
																						Max. m/ft
		t	lb	t	lb	t	lb	t	lb	t	lb	t	lb	t	lb	t	lb	t	lb			
ME boom 6.5 m, 21' 4" + Arm 2.55 m, 8' 4" + Shoe 900 mm, 36" + Counterweight 10,000 kg, 22,050 lb	7.5 m 25'																11.4	*25,360	11.4	*25,360	7.4/23.8	
	6.0 m 20'					13.0	*28,230	13.0	*28,230	11.9	*26,060	11.8	25,310					11.0	*24,330	10.2	22,630	8.2/26.8
	4.5 m 15'	*19.7	*42,150	*19.7	*42,150	*14.9	*32,150	*14.9	*32,150	*12.7	*27,590	11.5	24,760					11.1	*24,380	9.1	20,210	8.7/28.6
	3.0 m 10'	*23.6	*51,590	23.1	50,210	*16.9	*36,520	15.3	33,100	*13.7	*29,710	11.2	24,090					11.5	*25,270	8.6	19,070	9.0/29.4
	1.5 m 5'	*16.1	*39,550	*16.1	*39,550	*18.4	*39,790	14.9	32,080	*14.5	*31,510	10.9	23,520					12.3	*27,180	8.6	18,880	8.9/29.3
	0 m 0'	*24.2	*55,520	22.5	48,430	*18.9	*41,040	14.6	31,560	*14.9	*32,240	10.7	23,190					12.7	*27,890	8.9	19,610	8.6/28.4
	-1.5 m -5'	*24.2	*52,560	22.6	48,620	*18.4	*39,910	14.6	31,510	*14.4	*30,990	10.7	23,200					12.9	*28,540	9.8	21,630	8.1/26.4
	-3.0 m -10'	*21.5	*46,470	*21.5	*46,470	*16.5	*35,520	14.8	31,940									13.0	*28,700	11.7	26,080	7.1/23.3
Boom 7.0 m, 23' 0" + Arm 2.55 m, 8' 4" + Shoe 900 mm, 36" + Counterweight 10,000 kg, 22,050 lb	7.5 m 25'									11.0	*24,240	11.0	*24,240					11.1	*24,420	11.0	*24,420	7.9/25.6
	6.0 m 20'					12.6	*27,370	12.6	*27,370	11.3	*24,700	11.3	*24,700					11.0	*24,200	9.3	20,720	8.7/28.5
	4.5 m 15'	*20.1	*43,050	*20.1	*43,050	*14.7	*31,610	*14.7	*31,610	*12.3	*26,620	11.5	24,760	11.1	*24,390	8.8	18,840	11.1	*24,370	8.4	18,640	9.2/30.2
	3.0 m 10'					16.8	*36,160	15.2	32,740	*13.4	*28,960	11.1	24,000	*11.6	*25,240	8.6	18,530	11.3	*24,780	8.0	17,620	9.5/31.0
	1.5 m 5'					18.2	*39,440	14.7	31,690	*14.3	*30,950	10.8	23,370	*12.0	*26,120	8.4	18,220	11.5	*25,350	7.9	17,380	9.5/31.1
	0 m 0'	*14.0	*30,380	*14.0	*30,380	*18.8	*40,720	14.5	31,200	*14.8	*31,990	10.7	23,000	*12.1	*26,280	8.4	18,080	11.8	*26,020	8.1	17,900	9.2/30.2
	-1.5 m -5'	*23.9	*51,980	22.4	48,110	*18.5	*40,000	14.5	31,150	*14.6	*31,560	10.6	22,940					12.1	*26,690	8.8	19,380	8.7/28.5
	-3.0 m -10'	*21.8	*47,320	*21.8	*47,320	*17.1	*36,980	14.6	31,490	*13.3	*28,470	10.8	23,300					12.3	*27,080	10.2	22,520	7.9/25.7
-4.5 m -15'	*18.1	*38,830	*18.1	*38,830	*13.9	*29,550	*13.9	*29,550									12.0	*26,420	*12.0	*26,420	6.6/21.4	
Boom 7.0 m, 23' 0" + Arm 3.35 m, 11' 0" + Shoe 900 mm, 36" + Counterweight 10,000 kg, 22,050 lb	7.5 m 25'									9.7	*21,320	9.7	*21,320					8.9	*19,580	8.9	*19,580	8.7/28.3
	6.0 m 20'									10.3	*22,460	10.3	*22,460	9.9	*21,720	9.1	19,470	8.7	*19,100	8.3	18,510	9.5/30.9
	4.5 m 15'	*17.4	*37,210	*17.4	*37,210	*13.3	*28,780	*13.3	*28,780	*11.4	*24,690	11.4	*24,690	*10.3	*22,550	8.9	19,160	8.7	*19,210	7.6	16,860	9.9/32.5
	3.0 m 10'	*22.1	*47,480	*22.1	*47,480	*15.6	*33,720	15.5	33,400	*12.6	*27,360	11.3	24,330	*11.0	*23,910	8.7	18,730	9.0	*19,860	7.3	16,020	10.2/33.3
	1.5 m 5'	*14.3	*34,560	*14.3	*34,560	*17.5	*37,830	14.9	32,100	*13.8	*29,820	10.9	23,580	*11.6	*25,260	8.5	18,310	9.6	*21,120	7.2	15,790	10.2/33.3
	0 m 0'	*17.6	*41,000	*17.6	*41,000	*18.6	*40,180	14.5	31,340	*14.5	*31,480	10.7	23,060	*12.0	*26,130	8.4	18,020	*10.5	*23,160	7.3	16,150	9.9/32.6
	-1.5 m -5'	*25.0	*54,370	22.2	47,750	*18.7	*40,580	14.4	31,060	*14.7	*31,910	10.6	22,840	*12.0	*25,920	8.3	17,950	11.2	*24,800	7.8	17,230	9.5/31.0
	-3.0 m -10'	*23.5	*50,970	22.4	48,130	*18.0	*38,890	14.5	31,190	*14.2	*30,540	10.6	22,930					11.6	*25,570	8.8	19,460	8.7/28.4
-4.5 m -15'	*20.6	*44,530	*20.6	*44,530	*15.9	*34,240	14.7	31,740	*12.0	*26,240	10.9	23,450					11.8	*25,980	10.8	24,050	7.6/24.6	
Boom 7.0 m, 23' 0" + Arm 3.9 m, 12' 10" + Shoe 900 mm, 36" + Counterweight 10,000 kg, 22,050 lb	7.5 m 25'									8.8	*16,930	8.8	*16,930	7.1	*15,790	7.1	*15,790	7.1	*15,790	7.1	*15,790	9.3/30.2
	6.0 m 20'									9.5	*20,630	9.5	*20,630	9.1	*19,970	9.1	19,560	7.0	*15,430	7.0	*15,430	10.0/32.7
	4.5 m 15'					12.2	*26,350	12.2	*26,350	*10.6	*22,960	*10.6	*22,960	9.7	*21,080	8.9	19,150	7.1	*15,540	7.0	15,520	10.4/34.2
	3.0 m 10'	*20.2	*43,230	*20.2	*43,230	*14.6	*31,420	*14.6	*31,420	*11.9	*25,770	11.3	24,320	*10.4	*22,630	8.6	18,630	7.3	*16,030	6.7	14,760	10.7/35.0
	1.5 m 5'	*19.6	*46,670	*19.6	*46,670	*16.6	*35,950	14.8	32,020	*13.1	*28,470	10.9	23,440	*11.1	*24,200	8.4	18,130	7.7	*16,980	6.6	14,530	10.7/35.0
	0 m 0'	*19.4	*45,050	*19.4	*45,050	*18.0	*38,930	14.4	31,020	*14.1	*30,480	10.6	22,790	*11.7	*25,380	8.2	17,750	8.4	*18,510	6.7	14,800	10.4/34.3
	-1.5 m -5'	*24.4	*54,430	21.8	46,930	*18.5	*40,040	14.2	30,570	*14.5	*31,410	10.4	22,440	*11.9	*25,740	8.1	17,560	9.5	*20,960	7.1	15,670	10.0/32.7
	-3.0 m -10'	*24.0	*52,090	21.9	47,160	*18.1	*39,190	14.2	30,560	*14.2	*30,800	10.4	22,420	*11.4	*24,430	8.2	17,670	*10.9	*23,970	7.9	17,440	9.3/30.3
-4.5 m -15'	*21.7	*46,940	*21.7	*46,940	*16.6	*35,820	14.4	30,970	*12.9	*27,610	10.5	22,800					11.2	*24,670	9.4	20,910	8.2/26.8	
Boom 7.0 m, 23' 0" + Arm 4.8 m, 15' 9" + Shoe 900 mm, 36" + Counterweight 10,000 kg, 22,050 lb	7.5 m 25'													7.6	*16,770	7.6	*16,770	6.6	*14,470	6.6	*14,470	10.1/33.0
	6.0 m 20'													7.9	*17,410	7.9	*17,410	6.5	*14,290	6.5	*14,290	10.8/35.2
	4.5 m 15'									9.3	*20,120	9.3	*20,120	8.6	*18,780	8.6	*18,780	6.6	*14,470	6.3	13,860	11.2/36.6
	3.0 m 10'	*17.0	*36,460	*17.0	*36,460	*12.8	*27,600	*12.8	*27,600	*10.7	*23,130	*10.7	*23,130	9.4	*20,560	8.7	18,630	6.8	*14,980	6.0	13,200	11.4/37.3
	1.5 m 5'	*21.2	*45,780	*21.2	*45,780	*15.1	*32,720	15.0	32,260	*12.1	*26,180	10.9	23,440	*10.3	*22,410	8.4	18,000	7.2	*15,860	5.9	12,960	11.4/37.3
	0 m 0'	*23.6	*51,480	21.9	47,080	*16.9	*36,630	14.3	30,880	*13.2	*28,720	10.5	22,580	*11.1	*24,010	8.1	17,480	7.8	*17,270	6.0	13,110	11.2/36.7
	-1.5 m -5'	*24.8	*53,660	21.5	46,160	*17.9	*38,830	14.0	30,100	*14.0	*30,340	10.2	22,030	*11.5	*25,000	7.9	17,130	8.8	*19,440	6.2	13,740	10.8/35.3
	-3.0 m -10'	*24.5	*53,090	21.4	46,020	*18.1	*39,190	13.8	29,820	*14.2	*30,710	10.1	21,800	*11.5	*24,950	7.9	17,030	*10.0	*21,970	6.8	15,010	10.1/33.1
-4.5 m -15'	*23.1	*49,880	21.6	46,460	*17.3	*37,450	13.9	30,000	*13.6	*29,300	10.2	21,940	*10.7	*23,640	8.0	17,220	*10.4	*23,050	7.8	17,420	9.1/29.8	

- Notes:
- Machine in "Fine Mode-F" (Power Boost) for lifting capacities.
 - The above loads are in compliance with SAE J1097 and ISO 10567 Hydraulic Excavator Lifting Capacity Standards.
 - Rated loads do not exceed 87% of hydraulic lifting capacity or 75% of tipping load.
 - 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 precleaner
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
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
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:
10,000 kg, **22,050 lb**
Tool storage area
Punched metal anti-slip plates
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 guards
Undercover (heavy-duty 4.5 mm, **0.18"**)

Track equipment

Track pads 900 mm, **36"** with triple grousers

Digging equipment

Boom: 7.0 m, **23' 0"** heavy-duty
Arm: 3.35 m, **11' 0"** 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
Water separator with heater
Low noise kit
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
Travel alarm
Anti-theft system
Rotating warning beacon

Hydraulic system

Hose rupture valve: boom, arm
Overload warning device
Hydraulic piping:
– Hammer & shear: adjustable flow control
– Additional return filter

– Slope & rotator
– Grapple
– Oil leak (drain) line
– Quick coupler piping
Volvo hydraulic quick coupler, S3 size
Hydraulic oil, ISO VG 32
Hydraulic oil, ISO VG 68
Hydraulic oil, biodegradable 32
Hydraulic oil, biodegradable 46

Superstructure

Full height counterweight:
9,300 kg, **20,510 lb**
Hydraulic removable counterweight
10,000 kg, **22,050 lb**

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 guards
Undercover (heavy-duty 10 mm, **0.39"**)
Mechanically retractable track gauge

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: 6.5 m, **21' 4"** mass excavation
Arm: 2.55 m, **8' 4"**
3.9 m, **12' 10"**
4.8 m, **15' 9"**

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.**

ARAG

Baumaschinen-Rent

ARAG Bau AG
Zinggen
6166 Hasle LU
www.arag-bau.ch
Tel. 058 710 00 00

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

Construction Equipment

Volvo Construction Equipment North America, Inc.

One Volvo Drive, Asheville, NC 28803-3447
www.volvoce.com

Ref. No. 22 C 100 2695
Printed in USA 06/07 – 5,0
Volvo, Asheville

English
USA