

VOLVO EXCAVATOR

EC210C

21.4-23.1 t 167 hp



WALKAROUND AND EXPERIENCE THE VOLVO ADVANTAGES.

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** 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 boom float position.
- **Optional universal and S type 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.
- **Greased and sealed track link** guarantees long life.



VOLVO – A PARTNER TO TRUST.

Trust. It's the foundation of any relationship – especially the one you have with your machine. That's why Volvo and the Volvo EC210C Excavator are the trusted partners with you through it all. Wherever it goes, it earns more than its share of work, respect and profits. It's got proven, industry-leading fuel economy and a legendary Volvo cab that's better than ever. The Volvo EC210C is the perfect all-around machine for residential to mid-sized building contractors and civil contractors in jobs such as truck loading, pipe laying and even demolition. The profits are out there. Go get it.

Volvo: your global, local partner

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.

A smart, quality investment

Go ahead, look at other competitors. You'll notice the Volvo difference right away. The EC210C is built to last. There's no skimping on quality – from the well-built cab details to the reinforced service doors to the rigid, long-life undercarriage.

If you have ever operated a Volvo Wheel Loader, Articulated Hauler or any one of our full scope of global equipment offerings, you know that Volvo is a symbol of quality, comfort and safety. Trust the Volvo EC210C Excavator to be there for you – everyday – from the first turn of the key to the last load of the day.

New innovations in comfort

You might know Volvo for comfort. The EC210C lives up to that reputation and takes it to a whole new level of innovation with a larger, more ergonomic work environment. Visibility is better. So are the seat, floor space and access to controls/switches.

Fuel efficiency goes farther

You should know Volvo for fuel efficiency – and the EC210C is set to retain the title as the industry leader that gets the most work and profits out of each tank. Volvo: your most fuel-efficient option.

Put it to work on your job

When it comes to getting a multitude of jobs done – from excavating foundations, site grading and trenching to backfilling, truck loading and utility/piping, the Volvo EC210C Excavator puts you in command.

Proven endurance

The Volvo EC210C's proven, long life booms and arms smile in the face of brutal conditions. Before it hits your jobsite, we've designed it, forged it and tested it to deliver strength and day after day endurance. That means you can count on Volvo to help your business grow – now and into the future – with the peace-of-mind and confidence to get the job done, make money and move on to the next job.





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.



TAKE COMMAND IN COMFORT AND SAFETY.

8-hour shift. 14-hour shift. It doesn't matter. You're in command in the Volvo EC210C with a comfortable, industry-leading cab. Roomy in all the right places. Plenty of space for your feet and personal items. Complete control is yours in this seat. It keeps you fresh and productive all day – and it offers you the perfect view with all-around visibility. Operate the EC210C and take notice: less noise, less vibration and controls right where you want them. And Volvo safety and environmental harmony isn't just legend. It's reality and it's built into everything we design.

Ease into the comfortable cab

Volvo is the innovative industry leader in comfort. More comfort means longer operation and more performance. The EC210C adjustable seat supports your 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.

Commanding visibility and operation

Glazed surface areas are expansive. Volvo listened to operators and greatly expanded upper visibility. The roof hatch offers a good 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. It makes your work faster and safer. The EC210C Volvo engine produces less noise and the pressurized, well-insulated cab blocks sound. All-day command comes standard.

High-tech, high-capacity climate control

Welcome to the ultimate, modern work environment. Intelligently going beyond automobile technology, the EC210C's high-tech electronic climate control system comforts your entire body with the highest-capacity heating and cooling ventilation system available.

You're safe with Volvo protection

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 travelling.

Safe walk areas

Outside the cab, 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.

In harmony with the environment

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.



• Experience the comfort of the suspension seat.

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.



• Well-positioned monitor and controls.



• Greater floor space with larger pedals.



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



THE INTELLIGENT WAY TO GET IT DONE.

In your business, the work just keeps coming. And you can't risk downtime. That's why the Volvo EC210C Excavator has the strength to get it done – day in and day out. It's the perfect combination of power, capacity, weight and total performance. Dig it, slope it, level it, trench it and load it. It's hungry for work. It's built for maximum uptime with simple maintenance and complete service access. Get to know the EC210C Excavator and you'll always meet your top priorities: greater profits and lower costs.

The strength to move you ahead

You want power. It's here in the powerful new generation Stage IIIA compliant V-ACT (Volvo Advanced Combustion Technology) engine. It delivers 110 kW (150 metric hp) of optimized output – along with the stingiest use of fuel. It means consistently getting a higher yield with lower costs.

Advanced hydraulic command

The advanced hydraulic system will help you get more done – with the boom, arm and swing priority you demand – plus it's also highly responsive. It's this responsive 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.

The right tools to do the job

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

Quick, easy service access

The key to uptime is ease of service. The Volvo EC210C 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 – including the ability to check engine oil level.

Fast routine maintenance

Get the most out of each day with ease of maintenance. The cab air filter is conveniently located outside the cab for easy replacement. Fuses are protected in a sealed, steel box behind the cab – for easy access ground level checks. The sloped track frame design reduces build up of mud and debris.

Cooling module with intelligence

Excellent cooling performance with optimized fan speed control fan is driven by hydraulic motor (not engine), and fan speed is controlled by optimized algorithm with sensing hydraulic oil/coolant/charged air temperature. It controls cooling system at an optimized temperature. 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 make Volvo a perfect fit

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.



• More care built in.

Advanced hydraulic system intelligently balances available engine power with hydraulic output for smooth, precision control.

Simplified, ground level service access, long service intervals and centralized lubrication points means more uptime.

Quick and easy access for hydraulic pump filters.

Anti-slip, punched steel platforms and walk areas offer superior grip and safety.

More uptime from well-protected hydraulic lines and easy-access grease points.



VOLVO QUALITY ENDURES. RELY ON IT.

The work is out there and you're ready. But if your machine isn't – you are not going to make any money. With the Volvo EC210C you don't have to worry. Trust Volvo. Rely on it everyday. Rev it up and finish the job. It's day after day dependability that drives your business. It's year after year reliability and the desire to produce the finest excavators that drives Volvo innovation. A lot went into the Volvo EC210C and it started with existing quality and improvements by listening to worldwide customers. The result is the excavator ready for your work – and the most demanding conditions.

Quality - from details to digging equipment

You can see and feel the quality. 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 the long haul with lower costs and high resale value.

Durable, dependable track

The Volvo EC210C undercarriage and track are built for durability, reliability and stability. Greased and sealed track link prevents grease leaks, reduces noise and guarantees longevity.

Experience high-tech Volvo toughness

The Volvo EC210C 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. Track geographic machine location, usage, fuel consumption and more from your computer. Maximize uptime through important service reminders. CareTrack also offers theft protection by allowing you to limit geographic areas or hours of the day the machine can be operated.

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.





• Your trust. Your satisfaction. Count on it.



• Protected arm with reinforced strip.



• Greased and sealed track link.



MORE OPTIONS. MORE VERSATILITY. MORE PROFIT.

Volvo is proud of how our excavators help our customers maximize productivity and profitability. From the manufacturing floor to your jobsite – the Volvo EC210C is designed to get the job done. And Volvo owners can do even more with the right optional equipment. Add some more comfort, protection or some extra strength. Meet growing jobsite demands with more Volvo versatility. It's your edge and your options are open.

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 hammers, shears, crushers and rotating/tilting attachments. Choose between 1 or 2 pump flow for best performance.

Hydraulic quick fit

A Volvo hydraulic quick fit makes changing attachments quick and easy – all from the comfort and safety of the cab. Different quick fit types (S1, U21) 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.

Oil bath pre-cleaner

Working in combination with the standard air cleaner, the oil bath pre-cleaner provides extra protection against engine damage when operating in dusty or humid environments.

Diesel-driven engine coolant heater

The diesel-driven engine coolant heater aids low temperature starting, while simultaneously warming the cab. Heating time duration can be adjusted, set and programmed in advance to engage at a specific date and time.

FOG and FOPS cab 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.

Straight travel pedal

A pedal located by the left foot rest operates both travel motors at the same time, providing convenience when travelling and efficient work control in applications such as pipe laying.

Rear view camera

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

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 fit

Wrist control joysticks -
proportional control

Operator seats

Oil bath pre-cleaner

Diesel-driven engine
coolant heater

FOG and FOPS cab protection

Straight travel pedal

Rear view camera

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.

SPECIFICATIONS

Engine

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

Engine	Volvo D6E EFE3 Volvo D6E EAE3 (LR)
Max. power, at	30 r/s (1 800 rpm)
Net (ISO 9249, SAE J1349)	110 kW (150 hp)
Gross (SAE J1995)	123 kW (167 hp)
Max. torque at 1 350 rpm	730 Nm
No. of cylinders	6
Displacement	5,7 l
Bore	98 mm
Stroke	126 mm

Electrical system

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

Voltage	24 V
Batteries	2 x 12 V
Battery capacity	150 Ah
Alternator	28 V / 80 A

Service refill capacities

Fuel tank	335 l
Hydraulic system, total	285 l
Hydraulic tank	160 l
Engine oil	25 l
Engine coolant	32 l
Swing reduction unit	8,6 l
Travel reduction unit	2 x 5,8 l

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	11,8 rpm
Max. swing torque	76,6 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	183 kN
Max. travel speed	3,4/5,7 km/h
Gradeability	35°

Undercarriage

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

EC210C L / NL

Track pads	2 x 49
Link pitch	190 mm
Shoe width, triple grouser	500/600/700/800/900 mm
Shoe width, double grouser	700 mm
Bottom rollers	2 x 8
Top rollers	2 x 2

EC210C N

Track pads	2 x 46
Link pitch	190 mm
Shoe width, triple grouser	600/700/800/900 mm
Shoe width, triple grouser HD	600 mm
Bottom rollers	2 x 7
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 levelling 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 200 l/min

Pilot pump:

Type: Gear pump
Maximum flow: 18 l/min

Hydraulic motors:

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

Relief valve setting:

Implement	32,4/34,3 MPa
Travel circuit	34,3 MPa
Swing circuit	27,9 MPa
Pilot circuit	3,9 MPa

Hydraulic cylinders:

Mono boom	2
Bore x Stroke	ø125 x 1 235 mm
1st boom of 2-piece boom	2
Bore x Stroke	ø125 x 1 235 mm
2nd boom of 2-piece boom	2
Bore x Stroke	ø160 x 1 070 mm
Arm	1
Bore x Stroke	ø135 x 1 540 mm
Bucket	1
Bore x Stroke	ø120 x 1 065 mm
ME bucket	1
Bore x Stroke	ø130 x 1 040 mm
LR bucket	1
Bore x Stroke	ø100 x 865 mm

Cab

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

Excellent all around-visibility provided through maximum cab glass, transparent roof hatch and 2-piece sliding door window.

The lift-up front windshield can easily be secured at the ceiling and the removable lower front glass can be stored in the side door. Interior lighting consists of one reading light and one cab light with timer.

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

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

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

Sound Level:

Sound level in cab according to ISO 6396
LpA 70 dB(A)

External sound level according to ISO 6395 and EU Directive 2000/14/EC
LwA 102 dB(A)

Ground pressure

- **EC210C L** with 5.7 m boom, 2.9 m arm, 920 l (776 kg) bucket, 4 200 kg counterweight

Description	Shoe width	Operating weight	Ground pressure	Overall width
Triple grouser	500 mm	21 700 kg	53.9 kPa	2 890 mm
	600 mm	21 900 kg	45.1 kPa	2 990 mm
	700 mm	22 400 kg	40.2 kPa	3 090 mm
	800 mm	22 700 kg	35.3 kPa	3 190 mm
	900 mm	23 000 kg	31.4 kPa	3 290 mm
Triple grouser HD	600 mm	22 100 kg	46.1 kPa	2 990 mm
Double grouser	700 mm	22 700 kg	40.2 kPa	3 090 mm

- **EC210C N** with 5.7 m boom, 2.9 m arm, 920 l (776 kg) bucket, 4 200 kg counterweight

Description	Shoe width	Operating weight	Ground pressure	Overall width
Triple grouser	600 mm	21 400 kg	48.0 kPa	2 800 mm
	700 mm	21 800 kg	42.2 kPa	2 900 mm
	800 mm	22 100 kg	37.3 kPa	3 000 mm
	900 mm	22 400 kg	33.3 kPa	3 100 mm
Triple grouser HD	600 mm	21 600 kg	48.0 kPa	2 800 mm

- **EC210C NL** with 5.7 m boom, 2.9 m arm, 920 l (776 kg) bucket, 4 800 kg counterweight

Description	Shoe width	Operating weight	Ground pressure	Overall width
Triple grouser	500 mm	22 100 kg	54.9 kPa	2 540 mm
	600 mm	22 300 kg	46.1 kPa	2 640 mm
	700 mm	22 800 kg	40.2 kPa	2 740 mm
Triple grouser HD	600 mm	22 500 kg	47.1 kPa	2 640 mm
Double grouser	700 mm	23 100 kg	41.2 kPa	2 740 mm

- **EC210C LR** with 8.85 m boom, 6.25 m arm, 520 l (452 kg) bucket, 4 900 kg counterweight

Description	Shoe width	Operating weight	Ground pressure	Overall width
Triple grouser	800 mm	23 200 kg	36.3 kPa	3 190 mm

Max. permitted buckets

Note: 1. Bucket size based on ISO 7451, heaped material with a 1:1 angle of repose.

2. "Max. permitted sizes" are for reference only and are not necessarily available from the factory.

3. Bucket widths are less than bucket's tip radius.

• EC210C L with 4 200 kg counterweight

Description	Max. bucket volume / weight	5.7 m boom, direct fit			5.7 m boom, quick fit		
		2.5 m arm	2.9 m arm	3.5 m arm	2.5 m arm	2.9 m arm	3.5 m arm
GP bucket 1.5 t/m ³	l / kg	1 425 / 1 200	1 350 / 1 150	1 200 / 1 000	1 300 / 1 100	1 225 / 1 000	1 075 / 900
GP bucket 1.8 t/m ³	l / kg	1 275 / 1 050	1 200 / 1 000	1 075 / 900	1 150 / 950	1 075 / 900	950 / 800
HD bucket 1.8 t/m ³	l / kg	1 200 / 1 200	1 125 / 1 100	1 000 / 1 000	1 100 / 1 100	1 025 / 1 000	900 / 900
HD bucket 2.0 t/m ³	l / kg	1 125 / 1 100	1 050 / 1 050	950 / 950	1 025 / 1 000	950 / 950	825 / 800

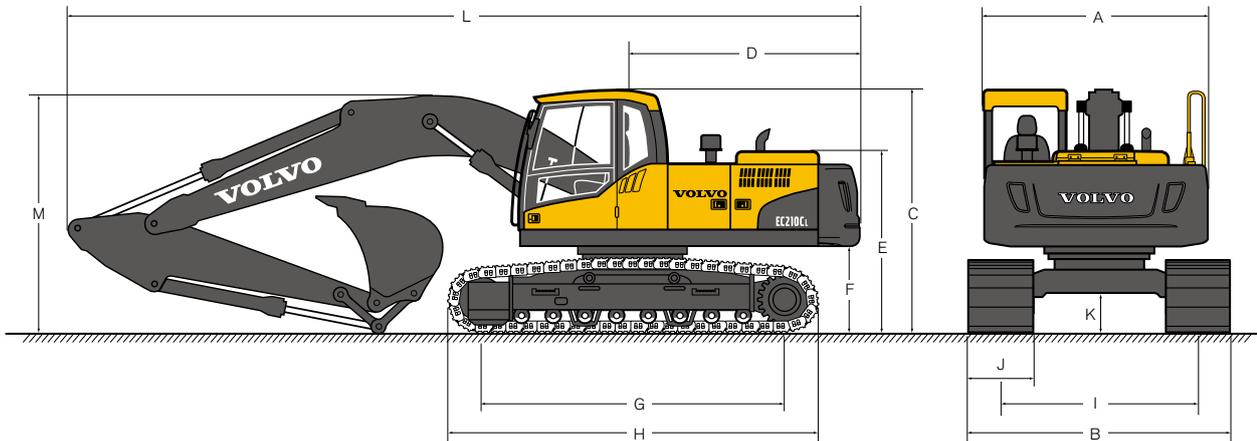
• EC210C N with 4 200 kg counterweight

Description	Max. bucket volume / weight	5.7 m boom, direct fit			5.7 m boom, quick fit		
		2.5 m arm	2.9 m arm	3.5 m arm	2.5 m arm	2.9 m arm	3.5 m arm
GP bucket 1.5 t/m ³	l / kg	1 325 / 1 100	1 250 / 1 050	1 125 / 950	1 200 / 1 000	1 100 / 950	975 / 800
GP bucket 1.8 t/m ³	l / kg	1 175 / 1 000	1 100 / 900	1 000 / 850	1 050 / 900	975 / 800	875 / 700
HD bucket 1.8 t/m ³	l / kg	1 125 / 1 100	1 050 / 1 050	925 / 900	1 000 / 1 000	925 / 900	825 / 800
HD bucket 2.0 t/m ³	l / kg	1 050 / 1 050	975 / 950	875 / 850	925 / 900	875 / 850	775 / 750

• EC210C NL with 4 800 kg counterweight

Description	Max. bucket volume / weight	5.7 m boom, direct fit			5.7 m boom, quick fit		
		2.5 m arm	2.9 m arm	3.5 m arm	2.5 m arm	2.9 m arm	3.5 m arm
GP bucket 1.5 t/m ³	l / kg	1 300 / 1 100	1 225 / 1 000	1 125 / 950	1 175 / 1 000	1 075 / 900	975 / 800
GP bucket 1.8 t/m ³	l / kg	1 150 / 950	1 075 / 900	1 000 / 850	1 025 / 850	950 / 800	875 / 700
HD bucket 1.8 t/m ³	l / kg	1 100 / 1 100	1 025 / 1 000	925 / 900	975 / 950	900 / 900	825 / 800
HD bucket 2.0 t/m ³	l / kg	1 025 / 1 000	950 / 950	875 / 850	925 / 900	850 / 850	775 / 750

Dimensions



Description	Unit	EC210C L				EC210C N			
		5.7 m boom				5.7 m boom			
		2.0 m arm	2.5 m arm	2.9 m arm	3.5 m arm	2.0 m arm	2.5 m arm	2.9 m arm	3.5 m arm
A. Overall width of upper structure	mm	2 540	2 540	2 540	2 540	2 540	2 540	2 540	2 540
B. Overall width	mm	2 990	2 990	2 990	2 990	2 800	2 800	2 800	2 800
C. Overall height of cab	mm	2 930	2 930	2 930	2 930	2 930	2 930	2 930	2 930
D. Tail swing radius	mm	2 850	2 850	2 850	2 850	2 850	2 850	2 850	2 850
E. Overall height of engine hood	mm	2 180	2 180	2 180	2 180	2 180	2 180	2 180	2 180
F. Counterweight clearance *	mm	1 025	1 025	1 025	1 025	1 025	1 025	1 025	1 025
G. Tumbler length	mm	3 660	3 660	3 660	3 660	3 370	3 370	3 370	3 370
H. Track length	mm	4 460	4 460	4 460	4 460	4 170	4 170	4 170	4 170
I. Track gauge	mm	2 390	2 390	2 390	2 390	2 200	2 200	2 200	2 200
J. Shoe width	mm	600	600	600	600	600	600	600	600
K. Min. ground clearance *	mm	460	460	460	460	460	460	460	460
L. Overall length	mm	9 675	9 650	9 590	9 585	9 675	9 650	9 595	9 585
M. Overall height of boom	mm	3 170	3 120	3 000	3 260	3 175	3 120	3 000	3 260

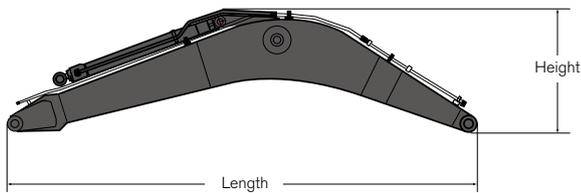
* Without shoe grouser

Dimensions

Description	Unit	EC210C NL				EC210C LR
		5.7 m boom				8.85 m boom
		2.0 m arm	2.5 m arm	2.9 m arm	3.5 m arm	6.25 m arm
A. Overall width of upper structure	mm	2 540	2 540	2 540	2 540	2 700
B. Overall width	mm	2 540	2 540	2 540	2 540	3 190
C. Overall height of cab	mm	2 930	2 930	2 930	2 930	2 930
D. Tail swing radius	mm	2 750	2 750	2 750	2 750	2 800
E. Overall height of engine hood	mm	2 180	2 180	2 180	2 180	2 260
F. Counterweight clearance *	mm	1 025	1 025	1 025	1 025	1 025
G. Tumbler length	mm	3 660	3 660	3 660	3 660	3 660
H. Track length	mm	4 460	4 460	4 460	4 460	4 460
I. Track gauge	mm	2 040	2 040	2 040	2 040	2 390
J. Shoe width	mm	500	500	500	500	800
K. Min. ground clearance *	mm	460	460	460	460	460
L. Overall length	mm	9 675	9 650	9 590	9 585	12 810
M. Overall height of boom	mm	3 170	3 120	3 000	3 260	3 260

* Without shoe grouser

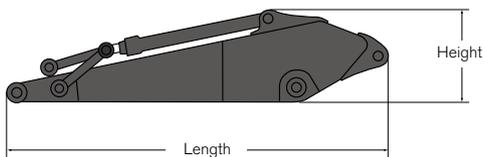
• Boom



Description	Unit	5.7 m	5.57 m 2-piece	8.85 m
Length	mm	5 910	5 780	9 060
Height	mm	1 585	1 570	1 540
Width	mm	670	670	670
Weight	kg	1 785	2 240	2 360

* Includes arm cylinder, piping and pin

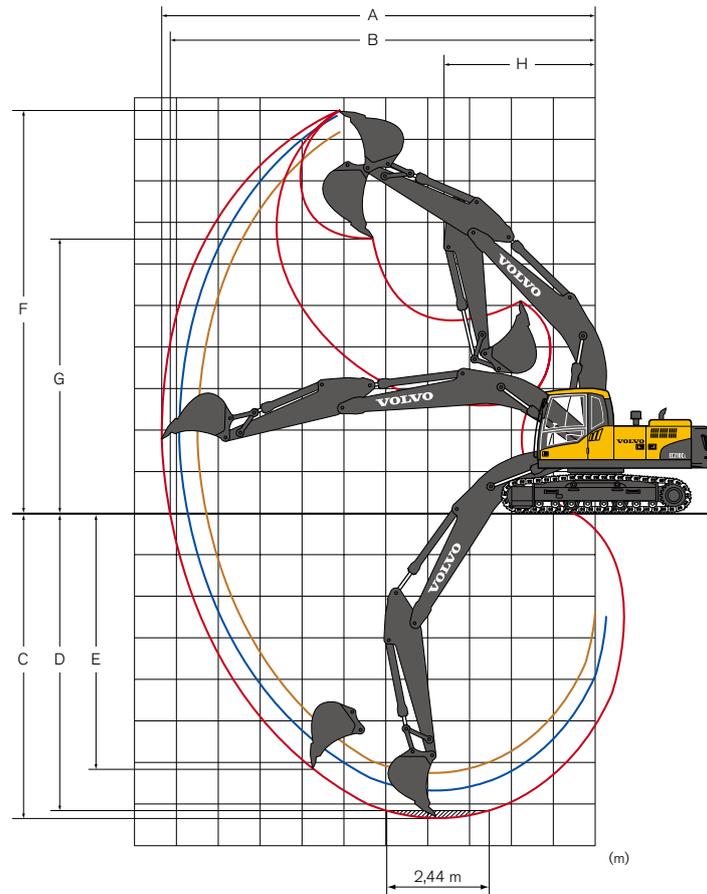
• Arm



Description	Unit	2.0 m	2.5 m	2.9 m	3.5 m	6.25 m
Length	mm	3 065	3 525	3 910	4 540	7 310
Height	mm	980	860	860	855	876
Width	mm	440	440	440	440	384
Weight	kg	970	975	1 000	1 110	1 295

* Includes bucket cylinder, linkage and pin

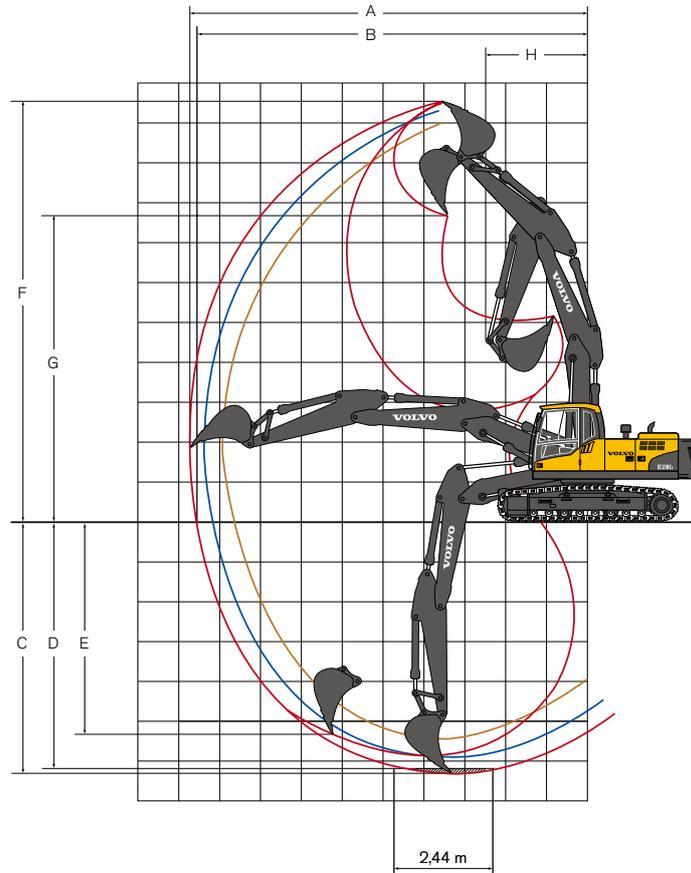
Working ranges & digging force



Machine with direct fit bucket	Unit	5.7 m boom		
		2.5 m arm	2.9 m arm	3.5 m arm
A. Max. digging reach	mm	9 540	9 940	10 395
B. Max. digging reach on ground	mm	9 350	9 750	10 240
C. Max. digging depth	mm	6 330	6 730	7 330
D. Max. digging depth (2.44 m level)	mm	6 110	6 510	7 150
E. Max. vertical wall digging depth	mm	5 520	5 830	6 170
F. Max. cutting height	mm	9 220	9 450	9 460
G. Max. dumping height	mm	6 430	6 650	6 695
H. Min. front swing radius	mm	3 670	3 650	3 630

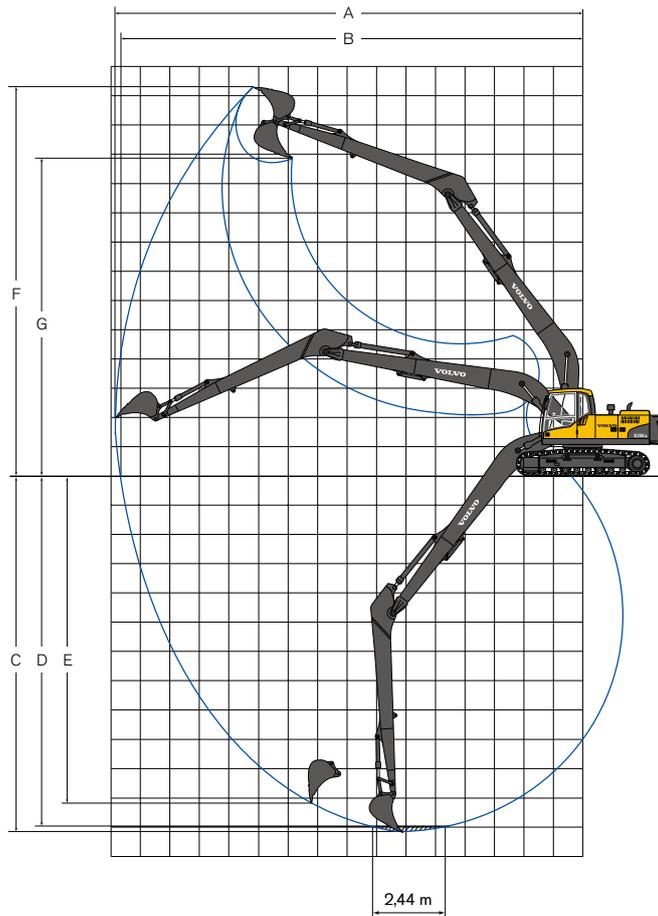
Digging forces with direct fit bucket		Unit	5.7 m boom		
			2.5 m arm	2.9 m arm	3.5 m arm
Bucket radius		mm	1 470	1 470	1 470
Breakout force - bucket (Normal/Power boost)	SAE J1179	kN	122.6 / 130.4	122.6 / 130.4	122.6 / 130.4
	ISO 6015	kN	136.3 / 147.1	136.3 / 147.1	136.3 / 147.1
Tearout force - arm (Normal/Power boost)	SAE J1179	kN	110.4 / 117.2	95.6 / 103.0	88.0 / 93.0
	ISO 6015	kN	113.7 / 120.7	98.2 / 104.9	89.0 / 95.0
Rotation angle, bucket		deg.	175	175	175

Working ranges & digging force



Machine with direct fit bucket	Unit	5.57 m 2-piece boom		
		2.0 m arm	2.5 m arm	2.9 m arm
A. Max. digging reach	mm	8 980	9 450	9 840
B. Max. digging reach on ground	mm	8 900	9 280	9 680
C. Max. digging depth	mm	5 410	5 930	6 300
D. Max. digging depth (2.44 m level)	mm	5 290	5 820	6 200
E. Max. vertical wall digging depth	mm	4 350	4 910	5 320
F. Max. cutting height	mm	10 010	10 390	10 710
G. Max. dumping height	mm	7 100	7 470	7 780
H. Min. front swing radius	mm	2 900	2 740	2 440

Digging forces with direct fit bucket		Unit	5.57 m 2-piece boom		
			2.0 m arm	2.5 m arm	2.9 m arm
Bucket radius		mm	1 470	1 470	1 470
Breakout force - bucket (Normal/Power boost)	SAE J1179	kN	137.0 / 150.0	122.6 / 130.4	122.6 / 130.4
	ISO 6015	kN	152.0 / 167.0	136.3 / 147.1	136.3 / 147.1
Tearout force - arm (Normal/Power boost)	SAE J1179	kN	134.0 / 146.0	110.4 / 117.2	95.6 / 103.0
	ISO 6015	kN	138.0 / 150.0	113.7 / 120.7	98.2 / 104.9
Rotation angle, bucket		deg.	175	175	175



Machine with direct fit bucket	Unit	8.85 m boom
		6.25 m arm
A. Max. digging reach	mm	15 810
B. Max. digging reach on ground	mm	15 710
C. Max. digging depth	mm	12 105
D. Max. digging depth (2.44 m level)	mm	12 000
E. Max. vertical wall digging depth	mm	11 185
F. Max. cutting height	mm	13 300
G. Max. dumping height	mm	10 950

Digging forces with direct fit bucket		Unit	8.85 m boom
			6.25 m arm
Bucket radius		mm	1 250
Breakout force - bucket (Normal/Power boost)	SAE J1179	kN	68.6
	ISO 6015	kN	77.8
Tearout force - arm (Normal/Power boost)	SAE J1179	kN	44.1
	ISO 6015	kN	44.7
Rotation angle, bucket		deg.	179

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.

• EC210C L

 Across under-carriage  Along under-carriage	Lifting hook related to ground level	1,5 m		3,0 m		4,5 m		6,0 m		7,5 m		Max. reach			
														Max. mm	
Boom 5.7 m + Arm 2.5 m + Shoe 600 mm + Counterweight 4 200 kg	7.5 m kg												*5 340	*5 340	5 590
	6.0 m kg							*5 170	*5 170				*5 260	4 280	6 820
	4.5 m kg					*6 560	*6 560	*5 650	5 170	*5 330	3 620		*5 340	3 570	7 560
	3.0 m kg					*8 410	7 500	*6 460	4 930	5 470	3 530		4 990	3 220	7 950
	1.5 m kg					*10 030	7 020	*7 290	4 700	5 360	3 430		4 830	3 090	8 040
	0.0 m kg					*10 770	6 790	*7 320	4 550	5 280	3 350		4 950	3 160	7 840
	-1.5 m kg			*9 970	*9 970	*10 690	6 760	7 260	4 500				5 440	3 450	7 330
	-3.0 m kg			*13 730	13 400	*9 840	6 860	*7 250	4 570				*6 560	4 180	6 430
-4.5 m kg			*10 600	*10 600	*7 560	7 140						*6 690	6 260	4 930	
Boom 5.7 m + Arm 2.9 m + Shoe 600 mm + Counterweight 4 200 kg	7.5 m kg							*4 900	*4 900				*4 460	*4 460	6 140
	6.0 m kg							*4 790	*4 790				*4 150	3 920	7 280
	4.5 m kg							*5 320	5 260	*5 030	3 690		*4 100	3 320	7 970
	3.0 m kg					*7 890	7 660	*6 180	5 010	*5 400	3 580		*4 210	3 020	8 340
	1.5 m kg					*9 670	7 130	*7 080	4 760	*5 390	3 460		*4 490	2 910	8 430
	0.0 m kg			*5 060	*5 060	*10 650	6 850	7 360	4 580	5 290	3 370		4 620	2 960	8 240
	-1.5 m kg	*5 710	*5 710	*9 490	*9 490	*10 800	6 760	7 270	4 500	5 260	3 340		5 020	3 200	7 750
	-3.0 m kg	*10 370	*10 370	*14 570	13 300	*10 190	6 820	7 300	4 530				5 960	3 770	6 910
-4.5 m kg			*11 850	*11 850	*8 430	7 040						*6 480	5 250	5 550	
Boom 5.7 m + Arm 3.5 m + Shoe 600 mm + Counterweight 4 200 kg	7.5 m kg												*3 850	*3 850	6 760
	6.0 m kg									*4 350	3 790		*3 650	3 520	7 800
	4.5 m kg							*4 720	*4 720	*4 540	3 720		*3 640	3 020	8 460
	3.0 m kg			*10 550	*10 550	*6 970	*6 970	*5 630	5 060	*4 980	3 590		*3 760	2 760	8 810
	1.5 m kg					*8 910	7 220	*6 610	4 770	*5 380	3 440		*4 030	2 660	8 890
	0.0 m kg			*6 550	*6 550	*10 210	6 830	7 330	4 550	5 250	3 320		4 220	2 680	8 710
	-1.5 m kg	*5 680	*5 680	*9 510	*9 510	*10 700	6 660	7 190	4 430	5 180	3 260		4 530	2 860	8 250
	-3.0 m kg	*9 260	*9 260	*14 010	12 980	*10 430	6 670	7 180	4 410				5 230	3 300	7 470
-4.5 m kg	*13 880	*13 880	*13 250	*13 250	*9 230	6 820	*6 660	4 540				*6 290	4 320	6 230	
2-piece boom 5.57 m + Arm 2.0 m + Shoe 600 mm + Counterweight 4 200 kg	7.5 m kg					*8 130	*8 130						*8 030	7 680	4 730
	6.0 m kg					*8 110	*8 110	*7 060	5 180				*7 010	4 960	6 140
	4.5 m kg					*9 020	7 910	*7 240	5 060				6 200	3 970	6 960
	3.0 m kg					*10 230	7 290	*7 660	4 820				5 550	3 530	7 380
	1.5 m kg							7 430	4 600				5 350	3 380	7 480
	0.0 m kg					*10 210	6 670	7 280	4 470				5 520	3 470	7 260
	-1.5 m kg					*8 790	6 700	*6 680	4 470				*5 560	3 880	6 710
	-3.0 m kg					*6 280	*6 280						*4 860	*4 860	5 570
-4.5 m kg															
2-piece boom 5.57 m + Arm 2.5 m + Shoe 600 mm + Counterweight 4 200 kg	7.5 m kg							*4 900	*4 900				*4 460	*4 460	6 140
	6.0 m kg					*7 390	*7 390						*6 160	*6 160	5 450
	4.5 m kg					*7 530	*7 530	*6 610	5 300				*5 640	4 350	6 710
	3.0 m kg			*11 910	*11 910	*8 480	8 100	*6 910	5 140				*5 540	3 590	7 460
	1.5 m kg					*9 810	7 470	*7 430	4 880	5 450	3 470		5 050	3 220	7 850
	0.0 m kg					*10 660	6 930	7 470	4 630	5 330	3 360		4 880	3 090	7 940
	-1.5 m kg					*10 500	6 680	7 280	4 470	5 250	3 290		5 010	3 150	7 740
	-3.0 m kg			*10 580	*10 580	*9 410	6 640	*7 090	4 420				*5 340	3 460	7 220
-4.5 m kg					*7 300	6 770	*5 260	4 520				*4 690	4 240	6 310	
2-piece boom 5.57 m + Arm 2.9 m + Shoe 600 mm + Counterweight 4 200 kg	7.5 m kg												*5 560	*5 560	4 010
	6.0 m kg					*6 370	*6 370	*4 530	*4 530				*4 480	*4 480	6 010
	4.5 m kg					*6 440	*6 440	*6 300	5 410				*4 130	3 960	7 170
	3.0 m kg			*8 270	*8 270	*8 050	*8 050	*6 670	5 240	5 620	3 630		*4 040	3 330	7 870
	1.5 m kg					*9 450	7 640	*7 250	4 970	5 510	3 530		*4 130	3 020	8 250
	0.0 m kg					*10 530	7 060	7 540	4 700	5 370	3 400		*4 390	2 900	8 330
	-1.5 m kg			*5 540	*5 540	*10 660	6 740	7 320	4 500	5 260	3 300		4 670	2 950	8 140
	-3.0 m kg			*9 990	*9 990	*9 840	6 650	7 230	4 420	5 240	3 280		5 100	3 200	7 650
-4.5 m kg			*10 260	*10 260	*8 030	6 730	*5 940	4 470				*4 670	3 810	6 800	

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

Lifting capacity

At the arm end without bucket.

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

• EC210C N

 Across under-carriage  Along under-carriage	Lifting hook related to ground level	1,5 m		3,0 m		4,5 m		6,0 m		7,5 m		Max. reach					
															Max. mm		
Boom 5.7 m + Arm 2.5 m + Shoe 600 mm + Counterweight 4 200 kg	7.5 m kg													*5 340	*5 340	5 590	
	6.0 m kg							*5 170	4 810					*5 260	3 860	6 820	
	4.5 m kg					*6 560	*6 560	*6 650	4 660	4 910	3 250			4 840	3 200	7 560	
	3.0 m kg					*8 410	6 680	*6 460	4 420	4 820	3 170			4 390	2 880	7 950	
	1.5 m kg					*10 030	6 210	6 540	4 190	4 710	3 060			4 240	2 760	8 040	
	0.0 m kg						9 910	6 000	6 370	4 040	4 630	2 990			4 340	2 810	7 840
	-1.5 m kg			*9 970	*9 970	9 870	5 960	6 320	4 000						4 770	3 070	7 330
	-3.0 m kg			*13 730	11 600	*9 840	6 060	6 400	4 070						5 800	3 720	6 430
	-4.5 m kg			*10 600	*10 600	*7 560	6 330								*6 690	5 580	4 930
Boom 5.7 m + Arm 2.9 m + Shoe 600 mm + Counterweight 4 200 kg	7.5 m kg							*4 900	4 900					*4 460	*4 460	6 140	
	6.0 m kg							*4 790	*4 790					*4 150	3 530	7 280	
	4.5 m kg							*5 320	4 740	4 980	3 320			*4 100	2 980	7 970	
	3.0 m kg					*7 890	6 840	*6 180	4 500	4 870	3 210			4 110	2 700	8 340	
	1.5 m kg					*9 670	6 330	6 600	4 250	4 740	3 090			3 980	2 600	8 430	
	0.0 m kg			*5 060	*5 060	9 980	6 050	6 410	4 080	4 640	3 000			4 060	2 640	8 240	
	-1.5 m kg	*5 710	*5 710	*9 490	*9 490	9 880	5 970	6 330	4 000	4 610	2 970			4 410	2 850	7 750	
	-3.0 m kg	*10 370	*10 370	*14 570	11 500	9 950	6 030	6 360	4 030					5 220	3 360	6 910	
	-4.5 m kg			*11 850	*11 850	*8 430	6 240							*6 480	4 680	5 550	
Boom 5.7 m + Arm 3.5 m + Shoe 600 mm + Counterweight 4 200 kg	7.5 m kg													*3 850	*3 850	6 760	
	6.0 m kg									*4 350	3 410			*3 650	3 170	7 800	
	4.5 m kg							*4 720	*4 720	*4 540	3 350			*3 640	2 710	8 460	
	3.0 m kg			*10 550	*10 550	*6 970	*6 970	*5 630	4 540	4 890	3 220			*3 760	2 470	8 810	
	1.5 m kg					*8 910	6 410	*6 610	4 260	4 730	3 080			3 650	2 360	8 890	
	0.0 m kg			*6 550	*6 550	9 960	6 030	6 380	4 040	4 600	2 960			3 700	2 380	8 710	
	-1.5 m kg	*5 680	*5 680	*9 510	*9 510	9 780	5 870	6 250	3 930	4 530	2 890			3 960	2 540	8 250	
	-3.0 m kg	*9 260	*9 260	*14 010	11 200	9 780	5 870	6 240	3 910					4 580	2 930	7 470	
	-4.5 m kg	*13 880	*13 880	*13 250	11 510	*9 230	6 020	6 370	4 030					6 040	3 840	6 230	
2-piece boom 5.57 m + Arm 2.0 m + Shoe 600 mm + Counterweight 4 200 kg	7.5 m kg					*8 130	7 560							*8 030	6 900	4 730	
	6.0 m kg					*8 110	7 510	*7 060	4 660					6 800	4 460	6 140	
	4.5 m kg					*9 020	7 080	6 970	4 540					5 450	3 560	6 960	
	3.0 m kg					*10 230	6 470	6 710	4 310					4 870	3 150	7 380	
	1.5 m kg							6 470	4 090					4 680	3 000	7 480	
	0.0 m kg					9 830	5 870	6 330	3 960					4 830	3 080	7 260	
	-1.5 m kg					*8 790	5 900	6 330	3 960					5 420	3 440	6 710	
	-3.0 m kg					*6 280	6 080							*4 860	4 540	5 570	
	-4.5 m kg																
2-piece boom 5.57 m + Arm 2.5 m + Shoe 600 mm + Counterweight 4 200 kg	7.5 m kg					*7 390	*7 390							*6 160	5 570	5 450	
	6.0 m kg					*7 530	*7 530	*6 610	4 770					*5 640	3 910	6 710	
	4.5 m kg			*11 910	*11 910	*8 480	7 250	*6 910	4 620					4 910	3 210	7 460	
	3.0 m kg					*9 810	6 640	6 780	4 370	4 780	3 100			4 440	2 870	7 850	
	1.5 m kg					10 130	6 120	6 510	4 120	4 670	2 990			4 280	2 740	7 940	
	0.0 m kg					9 840	5 880	6 330	3 960	4 590	2 920			4 390	2 800	7 740	
	-1.5 m kg			*10 580	*10 580	*9 410	5 840	6 270	3 910					4 840	3 070	7 220	
	-3.0 m kg					*7 300	5 960	*5 260	4 010					*4 690	3 770	6 310	
	-4.5 m kg																
2-piece boom 5.57 m + Arm 2.9 m + Shoe 600 mm + Counterweight 4 200 kg	7.5 m kg													*5 560	*5 560	4 010	
	6.0 m kg					*6 370	*6 370	*4 530	*4 530					*4 480	*4 480	6 010	
	4.5 m kg					*6 440	*6 440	*6 300	4 880					*4 130	3 560	7 170	
	3.0 m kg			*8 270	*8 270	*8 050	7 430	*6 670	4 710	49 60	3 260			*4 040	2 980	7 870	
	1.5 m kg					*9 450	6 810	6 870	4 450	4 840	3 150			*4 130	2 690	8 250	
	0.0 m kg					10 280	6 250	6 580	4 180	4 700	3 030			4 010	2 580	8 330	
	-1.5 m kg			*5 540	*5 540	9 910	5 930	6 360	3 990	4 600	2 930			4 090	2 620	8 140	
	-3.0 m kg			*9 990	*9 990	9 810	5 850	6 280	3 910	4 580	2 910			4 460	2 840	7 650	
	-4.5 m kg			*10 260	*10 260	*8 030	5 920	*5 940	3 960					*4 670	3 390	6 800	

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

Lifting capacity

At the arm end without bucket.

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

• EC210C NL

 Across under-carriage  Along under-carriage	Lifting hook related to ground level	1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		Max. reach				
														Max. mm		
Boom 5.7 m + Arm 2.5 m + Shoe 600 mm + Counterweight 4 200 kg	7.5 m kg											*5 340	*5 340	5 590	*5 340	
	6.0 m kg						*5 170	4 820				*5 260	3 880	6 820	3 880	
	4.5 m kg					*6 560	*6 560	*5 650	4 670	*5 330	3 280	*5 340	3 230	7 560	3 230	
	3.0 m kg					*8 410	6 650	*6 460	4 440	*5 610	3 190	5 200	2 910	7 950	2 910	
	1.5 m kg					*10 030	6 190	*7 290	4 210	5 580	3 090	5 030	2 790	8 040	2 790	
	0.0 m kg					*10 770	5 980	7 620	4 070	5 500	3 020	5 160	2 840	7 840	2 840	
	-1.5 m kg		*9 970	*9 970	*10 690	5 950	7 570	4 020				5 670	3 100	7 330	3 100	
	-3.0 m kg		*13 730	11 330	*9 840	6 040	*7 250	4 090				*6 560	3 750	6 430	3 750	
-4.5 m kg		*10 600	*10 600	*7 560	6 310						*6 690	5 570	4 930	5 570		
Boom 5.7 m + Arm 2.9 m + Shoe 600 mm + Counterweight 4 200 kg	7.5 m kg							*4 900	*4 900				*4 460	*4 460	6 140	
	6.0 m kg							*4 790	*4 790				*4 150	3 550	7 280	
	4.5 m kg							*5 320	4 750	*5 030	3 340		*4 100	3 010	7 970	
	3.0 m kg						*7 890	6 800	*6 180	4 510	*5 400	3 240	*4 210	2 730	8 340	
	1.5 m kg						*9 670	6 310	*7 080	4 270	5 620	3 120	*4 490	2 630	8 430	
	0.0 m kg				*5 060	*5 060	*10 650	6 030	7 660	4 100	5 520	3 030	4 820	2 670	8 240	
	-1.5 m kg	*5 710	*5 710	*9 490	*9 490	*10 800	5 960	7 570	4 020	5 480	3 000		5 240	2 880	7 750	
	-3.0 m kg	*10 370	*10 370	*14 570	11 240	*10 190	6 010	*7 540	4 050				6 210	3 390	6 910	
-4.5 m kg			*11 850	11 590	*8 430	6 220						*6 480	4 690	5 550		
Boom 5.7 m + Arm 3.5 m + Shoe 600 mm + Counterweight 4 200 kg	7.5 m kg												*3 850	*3 850	6 760	
	6.0 m kg															
	4.5 m kg								*4 720	*4 720	*4 350	3 440		*3 650	3 190	7 800
	3.0 m kg				*10 550	*10 550	*6 970	6 960	*5 630	4 550	*4 980	3 250		*3 760	2 500	8 810
	1.5 m kg						*8 910	6 380	*6 610	4 280	*5 500	3 100		*4 030	2 390	8 890
	0.0 m kg				*6 550	*6 550	*10 210	6 010	*7 400	4 060	5 480	2 990		4 400	2 410	8 710
	-1.5 m kg	*5 680	*5 680	*9 510	*9 510	*10 700	5 860	7 500	3 950	5 410	2 920		4 720	2 570	8 250	
	-3.0 m kg	*9 260	*9 260	*14 010	10 950	*10 430	5 860	7 490	3 940				5 460	2 960	7 470	
-4.5 m kg	*13 880	*13 880	*13 250	11 250	*9 230	6 000	*6 660	4 050				*6 290	3 860	6 230		
2-piece boom 5.57 m + Arm 2.0 m + Shoe 600 mm + Counterweight 4 200 kg	7.5 m kg					*8 130	7 500							*8 030	6 860	4 730
	6.0 m kg					*8 110	7 450	*7 060	4 670					*7 010	4 470	6 140
	4.5 m kg					*9 020	7 030	*7 240	4 550					6 450	3 580	6 960
	3.0 m kg					*10 230	6 440	*7 660	4 320					5 780	3 170	7 380
	1.5 m kg								7 730	4 100				5 570	3 030	7 480
	0.0 m kg					*10 210	5 850	7 590	3 980					5 760	3 110	7 260
	-1.5 m kg					*8 790	5 880	*6 680	3 980					*5 560	3 470	6 710
	-3.0 m kg					*6 280	6 050							*4 860	4 540	5 570
-4.5 m kg																
2-piece boom 5.57 m + Arm 2.5 m + Shoe 600 mm + Counterweight 4 200 kg	7.5 m kg					*7 390	*7 390							*6 160	5 550	5 450
	6.0 m kg					*7 530	*7 530	*6 610	4 770					*5 640	3 930	6 710
	4.5 m kg				*11 910	*11 910	*8 480	7 200	*6 910	4 620				*5 540	3 230	7 460
	3.0 m kg						*9 810	6 600	*7 430	4 380	5 670	3 120		5 270	2 890	7 850
	1.5 m kg						*10 660	6 090	7 780	4 130	5 550	3 020		5 090	2 770	7 940
	0.0 m kg						*10 500	5 850	7 590	3 970	5 470	2 950		5 230	2 820	7 740
	-1.5 m kg				*10 580	*10 580	*9 410	5 820	*7 090	3 930				*5 340	3 100	7 220
	-3.0 m kg						*7 300	5 940	*5 260	4 020				*4 690	3 790	6 310
-4.5 m kg																
2-piece boom 5.57 m + Arm 2.9 m + Shoe 600 mm + Counterweight 4 200 kg	7.5 m kg													*5 560	*5 560	4 010
	6.0 m kg						*6 370	*6 370	*4 530	*4 530				*4 480	*4 480	6 010
	4.5 m kg						*6 440	*6 440	*6 300	4 880				*4 130	3 580	7 170
	3.0 m kg				*8 270	*8 270	*8 050	7 370	*6 670	4 720	*5 620	3 280		*4 040	3 000	7 870
	1.5 m kg						*9 450	6 770	*7 250	4 460	5 730	3 180		*4 130	2 710	8 250
	0.0 m kg						*10 530	6 220	*7 740	4 190	5 590	3 050		*4 390	2 600	8 330
	-1.5 m kg				*5 540	*5 540	*10 660	5 910	7 630	4 010	5 490	2 960		*4 870	2 640	8 140
	-3.0 m kg				*9 990	*9 990	*9 840	5 820	*7 360	3 930	*5 400	2 940		*5 150	2 870	7 650
-4.5 m kg				*10 260	*10 260	*8 030	5 900	*5 940	3 980				*4 670	3 410	6 800	

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

Lifting capacity

At the arm end without bucket.

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

• EC210C LR

 Across under-carriage  Along under-carriage	Lifting hook related to ground level	4.5 m		6.0 m		7.5 m		9.0 m		10.5 m		12.0 m		13.5 m		Max. reach					
																			Max. mm		
Boom 8.85 m + Arm 6.25 m + Shoe 800 mm + Counterweight 4 900 kg	12.0 m kg																	*730	*730	10 290	
	10.5 m kg																		*660	*660	11 610
	9.0 m kg												*1 290	*1 290					*620	*620	12 610
	7.5 m kg										*1 980	*1 980	*1 870	1 790					*600	*600	13 370
	6.0 m kg										*2 130	*2 130	*2 070	1 730	*1 170	*1 170			*600	*600	13 920
	4.5 m kg								*2 530	*2 530	*2 330	2 150	*2 200	1 650	*1 630	1 260			*610	*610	14 290
	3.0 m kg	*5 790	*5 790	*4 180	*4 180	*3 370	*3 370	*2 880	2 630	*2 570	2 010	*2 360	1 560	*1 970	1 210			*640	*640	14 500	
	1.5 m kg	*7 450	6 370	*5 100	4 350	*3 930	3 180	*3 250	2 410	*2 820	1 870	2 500	1 460	2 040	1 150			*680	*680	14 550	
	0 m kg	*5 280	*5 280	*5 820	3 910	*4 420	2 890	*3 590	2 220	2 970	1 730	2 410	1 370	1 980	1 090			*740	*740	14 440	
	-1.5 m kg	*5 290	*5 290	*6 290	3 640	4 660	2 680	3 580	2 070	2 860	1 630	2 330	1 300	1 930	1 050			*830	*830	14 170	
	-3.0 m kg	*5 960	5 340	6 300	3 500	4 520	2 560	3 480	1 970	2 780	1 560	2 280	1 250	*1 490	1 030			*950	*950	13 730	
	-4.5 m kg	*6 970	5 360	6 260	3 470	4 470	2 510	3 430	1 920	2 740	1 520	2 260	1 240					*1 120	1 080	13 110	
	-6.0 m kg	*8 280	5 470	6 300	3 500	4 480	2 510	3 430	1 920	2 750	1 530	*2 210	1 260					*1 380	1 230	12 260	
	-7.5 m kg	*7 780	5 660	*5 920	3 610	4 550	2 580	3 490	1 980	2 820	1 590							*1 830	1 470	11 150	
	-9.0 m kg	*6 730	5 930	*5 200	3 790	*4 130	2 720	*3 270	2 110									*2 770	1 920	9 680	
-10.5 m kg	*5 110	*5 110	*3 960	*3 960	*3 000	2 980											*2 900	2 900	7 640		

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

STANDARD EQUIPMENT

Engine

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

Electric/Electronic control system

Contronics
– Advanced mode control system
– Self-diagnostic system
Machine status indication
Engine speed sensing power control
Automatic idling system
One-touch power boost
Safety stop/start function
Adjustable LCD color monitor
Master electrical disconnect switch
Overload warning device
Engine restart prevention circuit
High-capacity halogen lights:
– Frame-mounted 2
– Boom-mounted 1
Batteries, 2 x 12 V / 150 Ah
Start motor, 24 V / 4.8 kW

Hydraulic system

Hose rupture valve: boom
Automatic sensing hydraulic system
– Summation system
– Boom priority
– Arm priority
– Swing priority
Boom, arm and bucket regeneration valves
Swing anti-rebound valves
Boom and arm holding valves
Multi-stage filtering system
Cylinder cushioning
Cylinder contamination seals
Auxiliary hydraulic valve
Automatic two-speed travel motors
Hydraulic oil, ISO VG 46

Superstructure

Access way with handrail
Tool storage area
Punched metal anti-slip plates

Cab and interior

Fabric seat with heater and air suspension
Control joysticks with 4 switches each
Heater & air-conditioner, automatic
Hydraulic dampening cab mounts
Adjustable operator seat and joystick control console
Flexible antenna
AM/FM stereo with CD player and MP3 input
Hydraulic control lockout lever

Cab, all-weather sound suppressed, includes:

- Cup holders
- Door locks
- Floor mat
- Horn
- Large storage area
- Pull-up type front window
- Removable lower windshield
- Seat belt
- Tinted safety glass
 - Front (upper & lower): laminated glass
 - Side & rear: tempered glass
- Sun screen, front, roof, rear
- Rain shield
- Windshield wiper with intermittent feature

Anti-vandalism kit assembly preparation
Opening top hatch
Master key
Rear view camera

Undercarriage

Hydraulic track adjusters
Greased and sealed track link
Track guard

Digging equipment

Boom: 5.7 m monoblock
Arm: 2.9 m
Manual centralized lubrication

Service

Tool kit, daily maintenance

OPTIONAL EQUIPMENT

Engine

Block heater: 120/240 V
Oil bath pre-cleaner
Rain cap
Diesel driven coolant heater, 5kW
Water separator with heater
Reversible cooling fan

Electric

Extra lamps:
– Cab-mounted 3
– Counterweight-mounted 1
– Boom-mounted 1
Extra lamps (cab front only)
– Cab-mounted 2
– Boom-mounted 1
Travel alarm
Anti-theft system
Rotating warning beacon

Hydraulic system

Hose rupture valve: arm
Boom float function
Hydraulic piping:
– Work tool management system (up to 20 programmable memories)
– Hammer & shear, 1 and 2 pump flow
– Hammer & shear: variable flow and pressure pre-setting
– Additional return filter
– Slope & rotator

- Grapple
- Oil leak (drain) line
- Quick fit piping

Volvo hydraulic quick fit, (S1, UQF21)
Hydraulic oil, ISO VG 32
Hydraulic oil, ISO VG 68
Hydraulic oil, biodegradable 32
Hydraulic oil, biodegradable 46
Hydraulic oil, long life 32
Hydraulic oil, long life 46
Hydraulic oil, long life 68

Superstructure

Full height counterweight:
L: 3.700 kg, 4.200 kg
LR: 4.900 kg
Undercover (heavy-duty 4.5 mm)

Cab and interior

Fabric seat
Fabric seat with heater
Control joystick with semi-long levers
Control joystick with proportional control
Pilot control pattern change
Falling object guard (FOG)
– Frame-mounted
– Cab-mounted
Cab-mounted falling object protective structure (FOPS)
Smoker kit
Screen guard for front window

Sunlight protection, roof (steel)
Lower wiper with intermittent control
Anti-vandalism kit
Specific key
Rear view mirror, counterweight

Undercarriage

Full track guard (except N version)
Undercover (heavy-duty 10 mm)

Track shoes

600/700/800/900 mm, track pads with triple grousers
700 mm track pads with double grouser

Digging equipment

Boom: 5.57 m 2-piece
5.7 m monoblock
8.85 m long reach
Arm: 2.0/2.5/2.9/3.5 m, 6.25 m long reach
Manual centralized lubrication
Linkage with lifting eye
Extended greasing bushing

Service

Tool kit, full scale
Auto lubrication system
CareTrack

Standard and optional equipment may vary by market. Please consult your local Volvo dealer for details.

NOTE

VOLVO CONSTRUCTION EQUIPMENT

Volvo Construction Equipment is different. Our machines are designed, built and supported in a different way. That difference comes from an engineering heritage of over 180 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.

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.

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