



MORE CARE. BUILT IN.



ALL WORK. ALL THE TIME.

[MORE PROFIT.]

- **Powerful Volvo V-ACT engine:** efficiently moves more tons per hour.
- Industry-leading fuel efficiency.
- The digging reach, depth and capacity to stretch your productivity further.

VOLVO

- Advanced hydraulic system is well matched for efficient, smooth control.
- Excellent lifting capacity to pull out of the pile with no hesitation.
- Volvo quick fit: easy attachment change out for greater versatility.

[MORE SAFETY.]-

- Superior balance and stability for peace of mind in any terrain.
- 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.
- Lead-free exterior paint is in harmony with the environment.

[MORE COMFORT.]

- New larger, more comfortable cab puts you in command.
- Roomy, adjustable seat supports your whole body.
- Improved noise insulation helps keep the noise out and the fatigue away.
- Vibration dampening: reduced whole body vibration and fatigue.
- High-capacity climate control system.

[MORE UPTIME.]

- Large, easy-opening service panels for safe, complete access.
- Easy access, centralized lubrication points.
- In-cab monitoring through the easy-to-read, color LCD monitor.
- Easy to learn. Easy to operate. Easy to get more done.

[MORE QUALITY.]

Heavy-duty boom and arm: reliability and strength for difficult jobs.

5100

- Strong undercarriage frame: endures daily abuse.
- Reinforced boom/arm and proven components deliver every time.
- Reinforced superstructure: double welded stress points.
- Lifetime greased, sealed track chain prevents leaks and guarantees long life.

VOLVO – A PARTNER TO TRUST.

Big. Size alone won't get the job done. You have to back it up with production – every day. When the job is big, look to the excavator that does it all bigger, faster and stronger. The 70-ton Volvo EC700C will make you think it's in the 80-ton class. That's because it's built like it. Get to work in the machine that will be your money-making partner for a long time.

Volvo: your global, local partner

- Complete solutions since 1927.
- Built on the core values of quality, safety and environmental care.
- Construction equipment, commercial transport, buses, trucks and more.
- Global expertise: development of engines with leading fuel efficiency.

Top of its class

- The 70-ton excavator with key features found in the 80-ton class.
- Perfectly matched for quick, 40-ton articulated hauler loading – in four to six passes.
- Optimized operations by electronic control – balancing available engine and hydraulic power to conditions.

Big on production

- Tear away more material faster and easier.
- Fast cycles mean more tons moved on every shift.
- Stout stability from wide-gauge tracks and heavy-duty counterweight.

Comfortably work longer

- Maximum performance you need with the efficiency, comfort and safety you expect from Volvo.
- Climate-controlled cab keeps you fresh, alert and focused longer.
- Well-placed instruments and clear, all-around visibility.

Built to work for you

- Flexibility to handle a wide range of materials in a wide range of applications.
- Choose the work tools, boom/arm configuration and track shoes for your work.
- The leader on the jobsite: production trenching, mass excavation, quarry loading, rock-face stripping, mining, high-demand earthmoving, materialloading jobs and more.



• Volvo: the name you can trust for quality



Reinforced boom/arm handles all the jobs

Intelligent command means greater profits.

Well-positioned monitor and controls



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

As the world's largest manufacturer of 9-to18-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.



BUILT TO LEAVE NO WORK BEHIND.

You might not have to move mountains – but it's nice to know you can. The Volvo EC700C has all the power you need, plus perfectly harmonized hydraulics to make the most difficult material quickly go wherever you want. Mass excavation. Production trenching. Rock-face stripping. Mine loading. The list goes on and on. Just like the Volvo EC700C.

Quality for the long haul

- Built with quality through and through – from boom to counterweight.
- Loaded with proven, extra-duty components.
- Main pump, swing motor, bearing/ track rollers and other key components live up to 80-ton class standards.
- Larger-diameter swing bearing provides smooth action and dependable, long life.

A reinforced force to behold

- Extra-duty undercarriage provides solid footing.
- Wide track gauge and an extra-heavy counterweight.
- Reinforced under-cover protects the high tensile-strength steel undercarriage and superstructure.
- Robotically-welded frame stands up to brutal stresses.
- Boom and arm is robotically welded and engineered for durability.

Power to tear through the work

- Powerful Volvo engine delivers high torque even at low RPMs.
- Class-leading power: 316 kW, 424 hp.
- Harmonized engine and hydraulics for smooth, responsive digging and lifting.
- High breakout forces, crowding forces and swing speed.
- Quicker cycle times. More tons loaded. Faster job completion.









• Lifetime greased and sealed track chain.



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



WHERE YOU WANT TO BE - ALL DAY LONG.

Volvo values the environment. Yours and ours. The Volvo EC700C is proof. The rock-solid exterior features a comfortable interior that helps you share the fatigue-free, work-all-day feeling your machine has. Safety and care is also covered inside and out. For you. For those working around you. For those living around you.

Your comfort zone

- Adjustable seat puts any size operator at ease.
- Ergonomic, low-effort controls/levers put all functions easily within reach.
- High-capacity climate control system: comfortable in all weather.
- Fine-particle air filtration: keeps dust away from the operator and electronics.

Volvo views safety as a priority

- Clear, all-around visibility from expansive glass and a thin front-window crossbar.
- Cab entry and exit is easier from wide access steps and sturdy hand rails.
- Sure grip step below the fuel port helps keep you anchored when refueling.
- Long, wide-gauge tracks, an extraduty undercarriage and heavy counterweight provide sure-footed stability.

Environmental care

- Volvo Advanced Combustion Technology (V-ACT) engine provides low emissions.
- Robust cab suspension mounts suppress noise and dampen vibration.





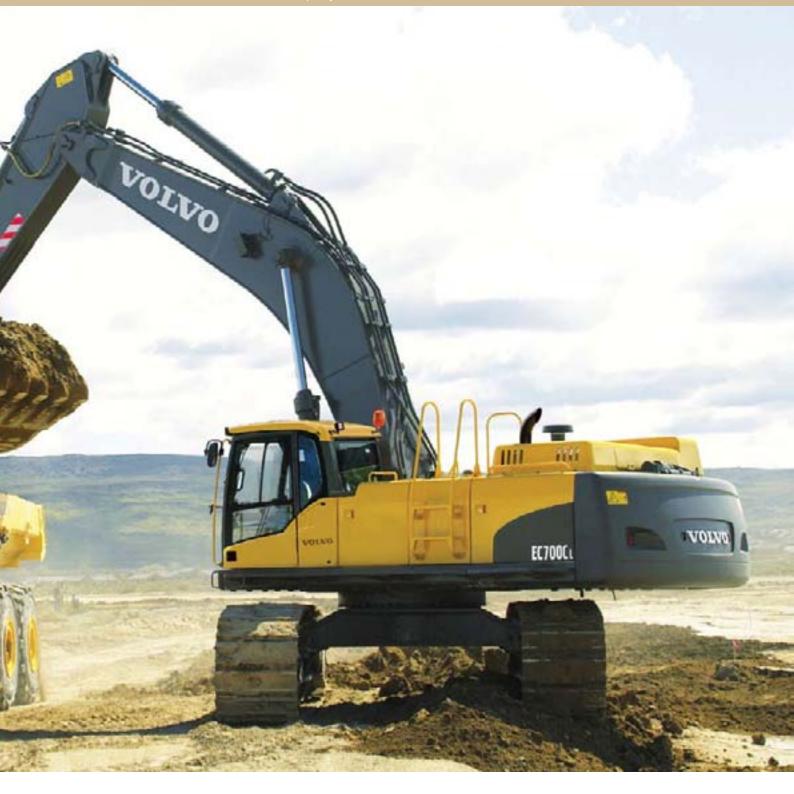
• Greater floor space with ergonomic pedals.



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



Safe, anti-slip steps and platforms



INTELLIGENT DESIGN. SMART CHOICE.

Hard at work. Easy to keep running. Volvo dealer support built in around you. That is the Volvo EC700C way. You have less to worry about. Just the job in your sight and the profits in your pocket. It's the smart way to work. Do a quick check. Close the door. Turn the key and go to it.

Service your uptime

- Punched-plate, anti-slip walkways make machine checks safe and easy.
- Filters and components are conveniently located for quick replacement.
- Plenty of space and access to major components such as the main pump.
- · In-cab diagnostic monitoring.
- Micro-particle filtration keeps the engine, hydraulics and electronics free from contaminants.

Your Volvo machine. Your Volvo dealer. The support you need:

VCADS at your service

- Optional computerized monitoring and diagnostics program.
- The perfect tool for the service technician.
- Makes troubleshooting diagnosis quick and accurate.

MATRIS gives you a full report

- Detailed operating history analysis, utilization and efficiency.
- Turns the data captured inside the machine's computer into easy-to-use graphs and reports.
- Check operating techniques, reduce maintenance costs and increase service life.

PROSIS makes parts ordering faster

- CD-ROM application makes it quick and easy for your dealer to order all your parts.
- Your dealer helps you find the right part and place your order to get you up and running fast.







• Easy access to hydraulic pumps and filters.



VR

• Volvo is the partner you can grow with.



IT'S YOUR WORK. IT'S YOUR CHOICE.

Make your Volvo Excavator just right for you and your work. To customize your excavator with other optional equipment features to suit your application, contact your local Volvo dealer.

Hydraulic kits

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

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

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.

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.

Straight travel pedal

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

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 customer profit through lower repair costs.

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.

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.

CareTrack

GPS monitoring program that works with the machine's diagnostic system. Allows the owner and dealer to remotely track usage, productivity, fuel consumption and more. Maximizes uptime through important service reminders. Also monitors geographic machine location and can even prevent unauthorized use.

Hydraulic quick fit

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



VOLVO OPTIONAL EQUIPMENT











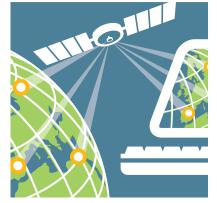




Hydraulic kits Diesel-driven engine coolant heater FOG and FOPS cab protection



Operator seats Straight travel pedal Full-length derailing shield



Rear view camera

Wrist control joysticks proportional control

CareTrack

SPECIFICATIONS

Engine

The 4-stroke Volvo diesel engine with water cooling has been specifically developed for excavator use to deliver low emissions, good fuel efficiency, long service life and superior performance. The EPA Tier 3 compliant engine uses turbocharged air-to-air intercooling and direct injection electronic engine controls. The automatic idling system reduces the engine speed to idle when no machine functions are activated, resulting in lower fuel consumption and lower cab noise levels.

Engine	Volvo D16E EAE3		
Max. power, at	30 r/s 1,800 r/m		
Net (ISO 9249, SAE J1349) 316 kW	424 hp	
Gross (SAE J1995)	346 kW	464 hp	
Max. torque at 1 350 r/min	2,250 Nn	n 1,660 lb.ft	
No. of cylinders	6		
Displacement	16.1	982 cu.in	
Bore	144 mm	5.67"	
Stroke	165 mm	6.50"	

Electrical system

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

Contronics provides advanced monitoring of machine functions and important diagnostic information.

Voltage	24 V
Batteries	2 x 12 V
Battery capacity	225 Ah
Alternator	28 V / 80 A

Service refill capacities

Fuel tank	840 I	222 gal
Hydraulic system, total	655 I	173 gal
Hydraulic tank	350 I	92 gal
Engine oil	52 I	13 gal
Engine coolant	65 I	17 gal
Swing reduction unit	2 x 6 I	2 x 1.6 gal
Travel reduction unit	2 x 20 I	2 x 5.3 gal

Swing system

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

Max. swing speed	6.7 r/min
Max. swing torque	23.1 kNm

Drive

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

Gradeability	35°	70%	
	1.9/2.9	mph	
Max. travel speed	3.0/4.6 km/h		
Max. drawbar pull	453 kN	101,830 lb	

Undercarriage

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

Track pads	2 x 48
Link pitch	260.4 mm 10.3"
Shoe width,	650/750/900 mm
double grouser	26"/30"/36"
Bottom rollers	2 x 8
Top rollers	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-manoevering precision and excellent fuel economy. The summation system, boom, arm and swing priority along with boom, arm and bucket regeneration provides optimum performance.

The following important functions are included in the system:

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

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

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

Swing priority: Gives priority to swing functions for faster simultaneous operations.

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

Power boost: All digging and lifting forces are increased.

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

Main pump:

Type: 2 x variable displacement axial piston pumps Maximum flow: 2 x 436 l/min **2 x 115 gpm**

Pilot pump:

Type: Gear pump Maximum flow: 27.4 I/min **7.2 gpm**

Hydraulic motors:

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

Relief valve setting:

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

Hydraulic cylinders:

Boom 2
Bore x Stroke ······ ø190 x 1,790 mm
Arm 1
Bore x Stroke······ ø215 x 2,070 mm
ø8.5 x 81.5"
Bucket · · · · · · · · · 1
Bore x Stroke · · · · · · · ø190 x 1,450 mm
ME Bucket ······ 1
Bore x Stroke······ ø200 x 1,450 mm

Cab

The operator's cab has easy access via a wide door opening. The cab is supported on hydraulic dampening mounts to reduce shock and vibration levels. These along with sound absorbing lining provide low noise levels. The cab has excellent all-round visibility. The front windshield can easily slide up into the ceiling, and the lower front glass can be removed and stored in the side door.

Integrated air-conditioning and heating system: The pressurized and filtered cab air is supplied by an automatically controlled fan. The air is distributed throughout the cab from 14 vents. Ergonomic operator's seat: The adjustable seat and joystick console move independently to accommodate the operator. The seat has nine different adjustments plus a seat belt for the operator's comfort and safety.

Sound Level:

Sound level in cab according to ISO 6396 LpA 72 dB(A)

External sound level according to ISO 6395 and EU Directive 2000/14/EC

Ground pressure

• EC700CL with 6.6 m, 21' 8" boom, 2.9 m, 9' 6" arm, 3,730 kg, 8,220 lb bucket, 11,300 kg, 24,920 lb counterweight

Description	Shoe width	Operating weight	Ground pressure	Overall width
Double grouser	650 mm, 26"	69,800 kg, 153,890 lb	101.5 kPa, 14.7 psi	4,095 mm, 13' 5"
	750 mm, 30"	70,500 kg, 155,425 lb	88.9 kPa, 12.9 psi	4,100 mm, 13' 6"
	900 mm, 36"	71,700 kg, 158,070 lb	75.3 kPa, 10.9 psi	4,250 mm, 13' 11"

• EC700CL with 7.7 m, 25' 3" boom, 3.55 m, 11' 8" arm, 2,800 kg, 6,170 lb bucket, 11,300 kg, 24,920 lb counterweight

Description	Shoe width	Operating weight	Ground pressure	Overall width
Double grouser	650 mm, 26"	69,300 kg, 150,600 lb	100.8 kPa, 14.6 psi	4,095 mm, 13' 5"
	750 mm, 30"	69,000 kg, 152,150 lb	88.2 kPa, 12.8 psi	4,100 mm, 13' 6"
	900 mm, 36"	70,000 kg, 154,350 lb	74.6 kPa, 10.8 psi	4,250 mm, 13' 11"

Max. permitted buckets

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

Bucket widths are less than bucket's tip radius.

4. LU: Light Utility

5. GP: General Purpose, Excavation, Trenching

6. HD: Heavy Duty, Heavy Excavation, Heavy Trenching

7. RL: Rock Loading

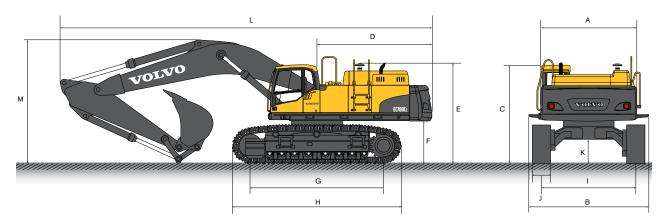
+ EC700CL with 650 mm, 26" shoe, 11,300 kg, 24,920 lb counterweight

Max. bucket		6.6 m, 21' 8" boom	7.7 m, 25' 3" boom		
Description	volume / weight	2.9 m, 9' 6" arm	2.9 m, 9' 6" arm	3.55 m, 11' 8" arm	4.2 m, 13' 9" arm
LU bucket 1.2,t/m³, 2,020 lb/yd³	l, yd³ / kg, lb	6,600, 8.63 / 4,250, 9,370	5,300, 6.93 / 3,400, 7,500	4,925, 6.44 / 3,200, 7,050	4,450, 5.82 / 2,850, 6,280
LU bucket 1.5 t/m ³ , 2,530 lb/yd ³	l, yd³ / kg, lb	5,675, 7.42 / 3,650, 8,050	4,550, 5.95 / 2,950, 6,500	4,225, 5.53 / 2,700, 5,950	3,825, 5.00 / 2,450, 5,400
GP bucket 1.3 t/m ³ , 2,190 lb/yd ³	l, yd³ / kg, lb	5,675, 7.42 / 5,150, 11,350	4,550, 5.95 / 3,850, 8,490	4,225, 5.53 / 3,600, 7,940	3,825, 5.00 / 3,250, 7,160
GP bucket 1.5 t/m³, 2,530 lb/yd³	l, yd³ / kg, lb	5,200, 6.80 / 4,400, 9,700	4,175, 5.46 / 3,500, 7,720	3,875, 5.07 / 3,250, 7,160	3,500, 4.58 / 2,950, 6,500
GP bucket 1.8 t/m³, 3,030 lb/yd ³	l, yd³ / kg, lb	4,600, 6.02 / 3,900, 8,600	3,700, 4.84 / 3,100, 6,830	3,425, 4.48 / 2,900, 6,390	3,100, 4.05 / 2,600, 5,730
HD bucket 1.8 t/m ³ , 3,030 lb/yd ³	l, yd³ / kg, lb	4,350, 5.69 / 4,350, 9,590	3,500, 4.58 / 3,500, 7,720	3,250, 4.25 / 3,250, 7,160	2,925, 3.83 / 2,900, 6,390
HD bucket 2.0 t/m ³ , 3,370 lb/yd ³	l, yd³ / kg, lb	4,075, 5.33 / 4,050, 8,930	3,275, 4.28 / 3,250, 7,160	3,025, 3.96 / 3,000, 6,610	2,725, 3.56 / 2,700, 5,950
RL bucket 1.8 t/m³, 3,030 lb/yd³	l, yd³ / kg, lb	3,925, 5.13 / 5,100, 11,240	3,150, 4.12 / 4,050, 8,930	2,925, 3.83 / 3,800, 8,380	2,650, 3.47 / 3,400, 7,500
RL bucket 2.0 t/m³, 3,370 lb/yd³	l, yd³ / kg, lb	3,700, 4.84 / 4,800, 10,580	2,975, 3.89 / 3,850, 8,490	2,750, 3.60 / 3,550, 7,830	2,475, 3.24 / 3,200, 7,050
Max. permitted bucket width	mm, ft-in	2,100, 6' 11"	2,000, 6' 7"	2,000, 6' 7''	2,000, 6' 7"

• EC700CL with 900 mm, 36" shoe, 11,300 kg, 24,920 lb counterweight

Max. bucket		7.7 m, 25' 3" boom			
Description	Description volume / weight	2.9 m, 9' 6" arm	3.55 m, 11' 8" arm	4.2 m, 13' 9" arm	5.2 m, 17' 1" arm
LU bucket 1.2,t/m³, 2,020 lb/yd³	l, yd³ / kg, lb	5,875, 7.68 /3,050, 6,720	5,450, 7.13 / 2,950, 6,500	4,900, 6.40 / 2,600, 5,730	-
LU bucket 1.5 t/m ³ , 2,530 lb/yd³	l, yd³ / kg, lb	5,050, 6.61 / 2,550, 5,620	4,675, 6.11 /2,450, 5,400	4,225, 5.53 /2,150, 4,740	-
GP bucket 1.3 t/m ³ , 2,190 lb/yd ³	l, yd³ / kg, lb	5,050, 6.61 / 3,550, 7,830	4,675, 6.11 /3,400, 7,500	4,225, 5.53 /3,000, 6,610	3,400, 4.45 / 2,750, 6,060
GP bucket 1.5 t/m ³ , 2,530 lb/yd³	l, yd³ / kg, lb	4,625, 6.80 /3,200, 7,050	4,275, 5.59 /3,050, 6,720	3,875, 5.07 /2,650, 5,840	3,100, 4.05 / 2,500, 5,510
GP bucket 1.8 t/m ³ , 3,030 lb/yd ³	l, yd³ / kg, lb	4,100, 5.36 / 2,750, 6,060	3,800, 4.97 / 2,650, 5,840	3,425, 4.48 /2,300, 5,070	2,750, 3.60 / 2,200, 4,850
HD bucket 1.8 t/m ³ , 3,030 lb/yd³	l, yd³ / kg, lb	3,875, 5.07 /3,150, 6,940	3,600, 4.71 / 3,000, 6,610	3,250, 4.25 / 2,600, 5,730	2,600, 3.40 / 2,500, 5,510
HD bucket 2.0 t/m ³ , 3,370 lb/yd ³	l, yd³ / kg, lb	3,625, 4.74 /2,850, 6,280	3,350, 4.38 / 2,750, 6,060	3,025, 3.96 /2,400, 5,290	2,425, 3.17 / 2,300, 5,070
RL bucket 1.8 t/m³, 3,030 lb/yd ³	l, yd³ / kg, lb	3,500, 4.58 / 3,800, 8,380	3,250, 4.25 / 3,600, 7,940	2,925, 3.83 /3,200, 7,050	-
RL bucket 2.0 t/m³, 3,370 lb/yd³	l, yd³ / kg, lb	3,275, 4.28 /3,550, 7,830	3,050, 3.99 / 3,350, 7,390	2,750, 3.60 / 2,950, 6,500	-
Max. permitted bucket width	mm, ft-in	2,000, 6' 7''	2,000, 6' 7''	2,000, 6' 7''	2,000, 6' 7''

Dimensions



 \bullet EC700CL with 650 mm, 26" shoe, 11,300 kg, 24,920 lb counterweight

Description	Description			7.7 m, 25' 3" boom		
Description		2.9 m, 9' 6" arm	2.9 m, 9' 6" arm	3.55 m, 11' 8" arm	4.2 m, 13' 9" arm	
A. Overall width of upper structure	mm, ft-in	3,420, 11' 3"	3,420, 11' 3"	3,420, 11' 3"	3,420, 11' 3"	
B. Overall width	mm, ft-in	4,286, 14' 1"	4,286, 14' 1"	4,286, 14' 1"	4,286, 14' 1"	
C. Overall height of cab	mm, ft-in	3,520, 11' 6"	3,520, 11' 6"	3,520, 11' 6"	3,520, 11' 6"	
D. Tail swing radius	mm, ft-in	4,090, 13' 5"	4,090, 13' 5"	4,090, 13' 5"	4,090, 13' 5"	
E. Overall height of engine hood	mm, ft-in	3,590, 11' 10"	3,590, 11' 10"	3,590, 11' 10"	3,590, 11' 10''	
F. Counterweight clearance *	mm, ft-in	1,507, 4' 11"	1,507, 4' 11"	1,507, 4' 11"	1,507, 4' 11"	
G. Tumbler length	mm, ft-in	4,750, 15' 7"	4,750, 15' 7"	4,750, 15' 7"	4,750, 15' 7"	
H. Track length	mm, ft-in	5,990, 19' 8''	5,990, 19' 8''	5,990, 19' 8"	5,990, 19' 8"	
I. Track gauge (extended)	mm, ft-in	3,350, 11' 0"	3,350, 11' 0"	3,350, 11' 0"	3,350, 11' 0"	
Track gauge (retracted)	mm, ft-in	2,750, 9' 0''	2,750, 9' 0''	2,750, 9' 0''	2,750, 9' 0''	
J. Shoe width	mm, ft-in	650, 26"	650, 26"	650, 26"	650, 26"	
K. Min. ground clearance *	mm, ft-in	858, 2' 10"	858, 2' 10"	858, 2' 10"	858, 2' 10"	
L. Overall length	mm, ft-in	12,200, 40' 0''	13,320, 43' 8''	13,220, 43' 5"	13,170, 43' 2''	
M. Overall height of boom	mm, ft-in	4,855, 15' 11''	4,660, 15' 0''	4,600, 15' 1"	4,950, 16' 2''	

* Without shoe grouser





• Arm	
	Height
Leng	th

Description		6.6 m, 21' 8"	7.7 m, 25' 3"	
Length	mm, ft-in	6,890, 22' 7"	8,020, 26' 4"	
Height	mm, ft-in	2,530, 8' 4"	1,970, 6' 6''	
Width	mm, ft-in	1,110, 3' 7"	1,110, 3' 7"	
Weight	kg, Ib	6,550, 14,440	6,900, 15,210	

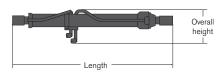
* Includes arm cylinder, piping and pin

Description		2.9 m, 9' 6''	3.55 m, 11' 8"	4.2 m, 13' 9"	5.2 m, 17' 1"
Length	mm, ft-in	4,260, 14' 0''	4,940, 16' 2"	5,590, 18' 4''	6,590, 21' 8"
Height	mm, ft-in	1,530, 5' 0"	1,390, 4' 11"	1,390, 4' 11"	1,430, 4' 8''
Width	mm, ft-in	740, 2' 5"	740, 2' 5"	740, 2' 5"	740, 2' 5"
Weight	kg, Ib	3,510, 7,740	3,670, 8,090	3,900, 8,600	4,250, 9,390

* Includes bucket cylinder, linkage and pin

Dimensions

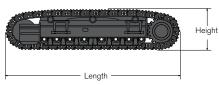
Cylinder



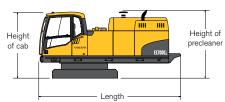
Counterweight



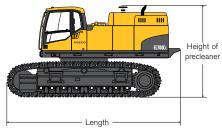
• Shoes



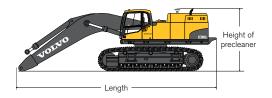
• Cab



Cab with shoes



Cab with shoes and boom



Length	Height	Width	Weight
2,765 mm	560 mm	370 mm	540 kg x 2 set = 1,080 kg
9' 1"	1' 10"	1' 3"	1,190 lb x 2 set = 2,380

Length	Height	Width	Weight
3,420 mm	1,280 mm	800 mm	11,400 kg
11' 3''	4' 2''	2' 8''	25,130 lb

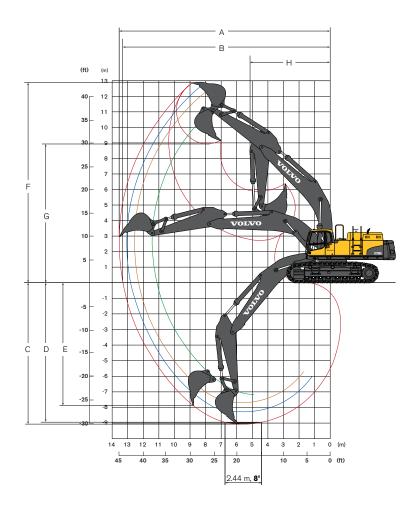
Shoe width	Length	Height	Overall width	Weight / unit
650 mm	5,990 mm	1,375 mm	700 mm	10,400 kg
26"	19' 8"	4' 6''	2' 4"	22,930 lb
750 mm	5,990 mm	1,375 mm	750 mm	10,750 kg
30"	19' 8"	4' 6''	2' 6''	23,700 lb
900 mm	5,990 mm	1,375 mm	900 mm	11,250 kg
36"	19' 8"	4' 6''	2' 11"	24,800 lb

Length	Height of cab	Height of precleaner	Width	Weight
5,500 mm	2,655 mm	2,735 mm	3,430 mm	21,700 kg
18' 1"	8' 9"	9' 0"	11' 3"	47,840 lb

Shoe width	Length	Height of precleaner	Overall width (retracted)	Weight
650 mm	6,730 mm	3,590 mm	3,520 mm	44,500 kg
26"	22' 1"	11' 9"	11' 6"	98,100 lb
750 mm	6,730 mm	3,590 mm	3,520 mm	44,500 kg
30"	22' 1"	11' 9"	11' 6"	98,100 lb
900 mm	6,730 mm	3,590 mm	3,520 mm	44,500 kg
36"	22' 1"	11' 9"	11' 6"	98,100 lb

Boom	Shoe width	Length	Height of precleaner	Overall width (retracted)	Weight
6.6 m 21' 8 "	650 mm 26"	10,140 mm 33' 3"	3,590 mm 11' 9"	3,495 mm 11' 6"	50,550 kg 111,440 lb
	750 mm 30"	10,140 mm 33' 3"	3,590 mm 11' 9"	3,595 mm 11' 10"	51,250 kg 112,990 lb
	900 mm 36"	10,140 mm 33' 3"	3,590 mm 11' 9"	3,745 mm 12' 3''	52,250 kg 115,190 lb
7.7 m 25' 3"	650 mm 26"	11,280 mm 37' 0''	3,590 mm 11' 9"	3,495 mm 11' 6"	50,900 kg 112,210
	750 mm 30"	11,280 mm 37' 0''	3,590 mm 11' 9"	3,595 mm 11' 10"	51,600 kg 113,760 lb
	900 mm 36"	11,280 mm 37' 0"	3,590 mm 11' 9"	3,745 mm 12' 3"	52,600 kg 115,960 lb

Working ranges & digging force



• EC700CL

Machine with direct fit bucket		6.6 m, 21' 8"		7.7 m,	25' 3"	
		2.9 m, 9' 6''	2.9 m, 9' 6''	3.55 m, 11' 8"	4.2 m, 13' 9"	5.2 m, 17' 1"
A. Max. digging reach	mm, ft-in	11,500, 37' 9''	12,600, 41' 3"	13,170, 43' 3''	14,780, 48' 6''	14,730, 48' 4''
B. Max. digging reach on ground	mm, ft-in	11,200, 36' 9"	12,335, 40' 6''	12,910, 42' 4''	13,540, 44' 5"	14,500, 47' 7"
C. Max. digging depth	mm, ft-in	7,250, 23' 9"	7,755, 25' 4"	8,400, 27' 7"	9,055, 29' 8''	10,055, 33' 0''
D. Max. digging depth (8' level)	mm, ft-in	7,100, 23' 4''	7,605, 25' 0''	8,270, 27' 7"	8,935, 29' 4"	9,950, 32' 8"
E. Max. vertical wall digging depth	mm, ft-in	5,065, 16' 7"	6,780, 22' 2"	7,250, 23' 9"	7,855, 28' 3''	8,790, 28' 10"
F. Max. cutting height	mm, ft-in	10,980, 36' 0''	12,490, 41' 0''	12,620, 41' 5"	12,940, 42' 6"	13,420, 44' 0''
G. Max. dumping height	mm, ft-in	6,960, 22' 9''	8,410, 27' 7''	8,610, 28' 2''	8,930, 29' 4"	9,400, 30' 10"
H. Min. front swing radius	mm, ft-in	5,160, 16' 11"	5,480, 18' 10''	5,410, 17' 10''	5,470, 17' 11"	5,560, 18' 3"

Digging forces with direct fit bucket		6.6 m, 21' 8"		7.7 m, 25' 3"			
		2.9 m, 9' 6''	2.9 m, 9' 6''	3.55 m, 11' 8"	4.2 m, 13' 9"	5.2 m, 17' 1''	
Bucket radius		mm, ft-in	2,215, 7' 3''	2,150, 7' 1"	2,150, 7' 1"	2,150, 7' 1"	2,150, 7' 1"
Breakout force - bucket (Normal/Power boost)	ISO 6015	kN Ib	342 / 374 76,880 / 84,075	326 / 356 73,285 / 80,030			
Tearout force - arm (Normal/Power boost)	ISO 6015	kN Ib	298 / 326 66,990 / 73,286	303 / 332 68,115 / 74,630	265 / 290 59,570 / 65,190	236 / 258 53,050 / 58,000	200 / 215 44,960 / 48,330
Rotation angle, bucket		deg.	172	173	173	173	173

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.

• EC700CL

Across undercarriage	Lifting hook			4.5 n	n, 15'			6.0 r	n, 20 '			7.5 n	n, 25'			9.0 m	n, 30'			10.5 r	n, 35				Max.	ax. reach	
Along undercarriage	related ground level		Ē	Ļ	a	ŀ		ł	C		[İ j	Ċ	j.	Ē	Ŀ	Ċ	╉╍	E	j	C	÷		ł	C	÷	Max.
undercarnage	level		t	lb	t	lb	t	lb	t	lb	t	lb	t	lb	t	lb	t	lb	t	lb	t	lb	t	lb	t	lb	m/ ft
	9 m										1160	+07 070	*160	**** ****									*15.0 *14.0		*15.0	*33,270 *30.910	6.7 / 22.0
	7.5 m 6 m						*19.4	*42,940	*19.4	*42,940	*16.9 *17.3	*37,370 *38,270	*16.9 *17.3	*37,370 *38,270									*13.6	*30,910	*14.0 *13.6		7.9 / 25.9 8.6 / 28.2
Boom 6.6 m, 21' 8" ME +			*28.9	*63.710	•28.9	*63,710	*21.9	*48,370	*21.9	*48,370	*18.4	*40,740	17.9	39,620	*15.5	*34,170	13.4	29,630					*13.8	*30,470		29,210	9.1 / 29.9
Arm 2.9 m, 9' 6" ME		10'		,		,	*24.4	*53,880	*24.4	*53,880	*19.7	*43,520	17.3	38,160	*17.0	*37,480		28,970					*14.4	*31,770		27,670	9.3 / 30.5
+ Shoe 650 mm, 26"	1.5 m	5'	*31.6	*69,800	*31.6	*69,800	*26.1	*57,560	23.1	51,100	*20.6	*45,570	16.7	36,910	*17.2	*37,990	12.8	28,370					*15.4	*34,150	12.4	27,430	9.2 / 30.2
+	0 m	0'	*35.3	*77,820	*35.3	*77,820	*26.4	*58,310	22.6	49,930	*20.8	*45,940	16.4	36,160									*16.9	*37,370	12.9	28,460	8.9 / 29.2
Counterweight 11,300 kg,	-1.5 m	-5'	*32.8	*72,420	*32.8	*72,420	*25.2	*55,730	22.5	49,670	*19.8	*43,650	16.3	35,980									*16.9	*37,460	14.1	31,280	8.3 / 27.2
24,920 lb	-3 m		*28.4	*62,700	*28.4	*62,700	*22.1	*48,830	*22.1	*48,830													*16.5	*36,570	*16.5	*36,570	7.4 / 24.3
	-4.5 m -6 m		*20.6	*45,500	*20.6	*45,500																	*14.7	*32,540	*14.7	*32,540	6.0 / 23.0
	-7.5 m																										
	10.5 m	35'																					*16.9	*37,430	*16.9	*37,430	6.8 / 22.3
	9 m	30'									*15.6	*34,520	*15.6	*34,520									*15.4	*34,150	*15.4	*34,150	8.2 / 26.9
	7.5 m	25'									*15.9	*35,140	*15.9	*35,140	*14.8	*32,670	13.6	30,110					*14.7	*32,430	13.0	*28,840	9.2 / 30.2
Boom 7.7 m, 25' 3"	6 m	20'					*20.1	*44,380	*20.1	*44,380	*16.9	*37,280	*16.9	*37,280	*15.0	*33,160	13.4	29,610					*14.4	*31,800	11.4	*25,240	9.9 / 32.5
+		15'					*22.6	*49,980	*22.6	*49,980	*18.1	*40,080	17.1	*37,850	*15.6	*34,410	13.0	28,700					*14.2	*31,380	10.5	*23,210	10.3 / 33.
Arm 2.9 m, 9' 6'' +	3 m	10'					*24.7	*54,540	22.5	*49,670	*19.3	*42,660	16.4	*36,160	*16.1	*35,690	12.6						*14.1	*31,170	10.0	*22,200	10.5 / 34.4
Shoe 650 mm, 26"	1.5 m	5'					*25.5	*56,330	21.7	*47,880	*20.0	*44,160	15.8	*34,880	*16.5	*36,420	12.2	27,000					*14.0	*31,020	9.9	*22,000	10.4 / 34. 10.1 / 33.
+	0 m -1.5 m	0' -5'	*26.4	*58,380	* 26.4	*58,380	*25.1 *23.6	*55,340 *52.050	21.4 21.4	*47,200 *21420	*19.9 *19.0	*44,070 *42,040	15.5 15.4	*34,170 *33,950	*16.3 *15.3	*36.070 *33,910	12.0 12.0	26,540 26,520					*13.9	*30,780	10.2 11.0	*22,660 *24,400	9.6 / 31.5
Counterweight 11,300 kg, 24,920 lb	-3 m		*25.0	*55,160	*25.0	*55,160	*20.9	*46,230	*20.9	*46,230	*16.9	*37,410	15.6	*34,460	10.0	00,010	12.0	20,020					*13.1	*28,920	12.6	*27,840	8.8 / 28.9
	-4.5 m		*19.6	*43,250	*19.6	*43,250	*16.5	*36,550	*16.5	*36,550	*12.4	*27,360	*12.4	*27,360									*11.6	*25,730	*11.6		7.7 / 25.3
	-6 m	-20'																									
	-7.5 m	-25'																									
	10.5 m	35'									*14.0	*31,040	*14.0	*31,040									*13.0	*28,770	*13.0	*28,770	7.6 / 24.9
	9 m	30'																					*11.9	*24,430	*11.9	*24,430	8.9 / 29.2
	7.5 m 6 m										*14.9	*32,920	*14.9	*32,920	*13.8	*30,560	*13.8						*11.5	*25,350	*11.5	*25,350	9.9 / 32.5
Boom 7.7 m, 25' 3'' +	4.5 m						*18.8 *21.4	*41,490	*18.8 *21.4	*41,490 *47,380	*16.0 *17.4	*35,320 *38,430	*16.0 *17.4	*35,320 *38,430	*14.3 *15.0	*31,550 *33,140		*31,550 *29,100	*13.5	*29,760	10.2	22,690	*11.3 *11.5	*25,070	*10.5 *9.7	*25,070 *25,380	10.5 / 34. 4 10.9 / 35. 8
Arm 3.55 m, 11' 8"	3 m	10'					*23.9	*52,690	*23.0	*50,860	*18.7	*41,420	16.6	*36,730	*15.7	*34,790		*28,060	*13.7	*30,380	10.2		*11.9		*9.3	*26,260	11.0 / 36.1
+ Shaa 650 mm 36 1	1.5 m	5'					*25.2	*55,750	*22.0	*48,550	*19.7	*43,540	15.9	*35,250	*16.3	*35,960	12.3	*27,160	*13.9	*30,690	9.8	21,690	*12.6		*9.2	*27,780	11.0 / 36.
Shoe 650 mm, 26" +	0 m	0'					*25.4	*56,090	*21.5	*47,400	*20.0	*44,200	15.5	*34,330	*16.4	*36,220	12.0	*26,540	*13.6	*30,090	9.7	21,410	*13.2	*29,150	*9.4	*29,100	10.7 / 35.1
Counterweight 11,300 kg,	-1.5 m	-5'	*27.0	*59,610	*27.0	*59,610	*24.4	*53,950	*21.3	*47,090	*19.5	*43,080	15.3	*33,930	*15.8	*35,030	11.9	*26,300					*13.1	*28,950	*10.0	*28,950	10.2 / 33.5
24,920 lb	-3 m		*27.7	*61,180	*27.7	*61,18	*22.3	*49,320	*21.5	*47,420	*18.0	*39,710	15.4	*34,080	*14.2	*31,420	12.0	*26,540					*12.8	*28.290	*11.2	*28,290	9.5 / 31.2
	-4.5 m		*22.9	*50,550	*22.9	*50,550	*18.8	*41,470	*18.8	*41,470	*14.8	*32,780	*14.8	*32,780									*12.0	*26,450	*12.0	*26,450	8.4 / 27.6
	-6 m -7.5 m		*15.5	*34,220	*15.5	*34,220	*12.5	*27,580	*12.5	*27,580													*9.7	*21,560	*9.7	*21,560	6.9 / 22.6
	10.5 m	35'																					*10.4	*23,000	*10.4	*23,000	8.5 / 27.9
	9 m	30'													*12.7	*28,020	*12.7	*28,020					*9.6	*23,320	*9.6	*23,320	9.7 / 31.8
	7.5 m	25'													*12.8	*28,240	*12.8		*9.6	*21,230	*9.6	*23,240		*20,530	*9.3	*20,530	10.5 / 34.
Boom 7.7 m, 25' 3"	6 m	20'									*14.8	*32,800	*14.8	*32,800	*13.3	*29,520	*13.3	*29,520	*12.4	*27,400	10.5	*21,230	*9.2	*20,280	*9.2	*20,280	11.1 / 36.4
+ Arm 4.0 m 121.0		15'					*19.9	*43,940	*19.9	*43,940	*16.3	*36,090	*16.3	*36,090	*14.2	*31,310	13.2	29,210	*12.7	*28,200	10.2	*22,690	*9.2	*20,480	8.8	19,400	11.6 / 38. 1
Arm 4.2 m, 13' 9" +	3 m						*22.5	*49,780	*22.5	*49,780	*17.8	*39,400	16.7	36,910	*15.0	*33,220		28,020	*13.2	*29,120	9.9	*22,020		*21,120	8.4	18,610	11.6 / 38. 1
Shoe 650 mm, 26"	1.5 m	5' 0'						*53,860	22.0	*48,680	*19.0	*42,020		35,160	*15.7	*34,770		26,960	*13.5	*29,830	9.7	*21,410	1		8.3	18,390	11.6/38.1
		· · ·	*19.0	*42,020	*19.0		*25.1 *24.6	*55,380 *45,390	21.3 21.0	*47,020 *46,340	*19.6 *19.5	*43,340 *43,030	15.4 15.1	33,970 33,360	*16.1 *15.0	*35,520 *35,080		26,170 25,730	*13.5 *13.0	*29,890 *28,730	9.5 0.4	*20,940 *20,790	1	*23,990	8.5 8.0	18,740 19,800	11.3 / 37. 1 10.9 / 35.8
+	0 m -1.5 m		1	*57 200	105.0	*57 000			121.0	1 40,040	19.0	-10,000	10.1	00,000	*15.9	*32,800		25,730	13.0	20,730	9.4	20,130	*12.0	*26,520	8.9 9.9	21,850	10.9 / 35.
+ Counterweight 11,300 kg, 24,920 lb		-5'	*25.9	*57,280 *65.120	*25.9 *29.5	*57,280 *65.120	1		1	*46.390		*40.720	150	33,270									1 2.0				
+ Counterweight 11,300 kg,	-1.5 m	-5' -10'	1	*57,280 *65,120 *55,930	*25.9 *29.5 *25.3	*57,280 *65,120 *55,930	*23.1 *20.2	*50,970 *44,690	21.0 *20.2	*46,390 *44,690	*18.4 *16.1	*40,720 *35,630		33,270 33,780	*14.8 *12.2	*27,010	11.9	26,370					*11.5	*25,420		*25,420	
+ Counterweight 11,300 kg,	-1.5 m -3 m	-5' -10' -15'	*25.9 *29.5	*65,120	*29.5	*65,120	*23.1	*50,970	21.0		*18.4	*35,630	15.3			*27,010	11.9	26,370					*11.5 *10.2	*25,420 *22,490	*11.5		9.2 / 30.2
+ Counterweight 11,300 kg,	-1.5 m -3 m -4.5 m -6 m -7.5 m	-5' -10' -15' -20' -25'	*25.9 *29.5 *25.3	*65,120 *55,930	*29.5 *25.3	*65,120 *55,930	*23.1 *20.2	*50,970 *44,690	21.0 *20.2	*44,690	*18.4 *16.1	*35,630	15.3	33,780		*27,010	11.9	26,370					*10.2		*11.5	*25,420	9.2 / 30.2
+ Counterweight 11,300 kg,	-1.5 m -3 m -4.5 m -6 m -7.5 m 10.5 m	-5' -10' -15' -20' -25' 35'	*25.9 *29.5 *25.3	*65,120 *55,930	*29.5 *25.3	*65,120 *55,930	*23.1 *20.2	*50,970 *44,690	21.0 *20.2	*44,690	*18.4 *16.1	*35,630	15.3	33,780		*27,010	11.9	26,370					*10.2 *7.6	*22,490 *16,910	*11.5 *10.2 *7.6	*25,420 *22,490 *16,910	9.2 / 30.2 7.8 / 25.6 9.8 / 32.2
+ Counterweight 11,300 kg,	-1.5 m -3 m -4.5 m -6 m -7.5 m 10.5 m 9 m	-5' -10' -15' -20' -25' 35' 30'	*25.9 *29.5 *25.3	*65,120 *55,930	*29.5 *25.3	*65,120 *55,930	*23.1 *20.2	*50,970 *44,690	21.0 *20.2	*44,690	*18.4 *16.1	*35,630	15.3	33,780		*27,010	11.9	26,370	*8.8	*19,420	*8.8	*19,420	*10.2 *7.6 *7.1	*22,490 *16,910 *15,830	*11.5 *10.2 *7.6 *7.1	*25,420 *22,490 *16,910 *15,830	9.2 / 30.2 7.8 / 25.6 9.8 / 32.2 10.8 / 35.4
+ Counterweight 11,300 kg, 24,920 lb	-1.5 m -3 m -4.5 m -6 m -7.5 m 10.5 m 9 m 7.5 m	-5' -10' -15' -20' -25' 35' 30' 25'	*25.9 *29.5 *25.3	*65,120 *55,930	*29.5 *25.3	*65,120 *55,930	*23.1 *20.2	*50,970 *44,690	21.0 *20.2	*44,690	*18.4 *16.1	*35,630	15.3	33,780	*122				*10.8	*24,000	*10.8	*24,000	*10.2 *7.6 *7.1 *6.9	*22,490 *16,910 *15,830 *15,280	*11.5 *10.2 *7.6 *7.1 *6.9	*25,420 *22,490 *16,910 *15,830 *15,280	9.2 / 30.2 7.8 / 25.6 9.8 / 32.2 10.8 / 35.4 11.6 / 38.
+ Counterweight 11,300 kg,	-1.5 m -3 m -4.5 m -6 m -7.5 m 10.5 m 9 m 7.5 m 6 m	-5' -10' -15' -20' -25' 35' 30' 25' 20'	*25.9 *29.5 *25.3	*65,120 *55,930	*29.5 *25.3	*65,120 *55,930	*23.1 *20.2	*50,970 *44,690	21.0 *20.2	*44,690	*18.4 *16.1 *11.3	*35,630 *25,090	15.3 *11.3	33,780 *25,090	*122	*26,430	*11.9	*26,430	*10.8 *11.2	*24,000 *24,690	*10.8 10.7	*24,000 23,610	*10.2 *7.6 *7.1 *6.9 *6.8	*22,490 *16,910 *15,830 *15,280 *15,100	*11.5 *10.2 *7.6 *7.1 *6.9 *6.8	*25,420 *22,490 *16,910 *15,830 *15,280 *15,100	9.2 / 30.2 7.8 / 25.6 9.8 / 32.2 10.8 / 35.4 11.6 / 38. 12.1 / 39.
+ Counterweight 11,300 kg, 24,920 lb	-1.5 m -3 m -4.5 m -6 m -7.5 m 10.5 m 9 m 7.5 m 6 m 4.5 m	-5' -10' -20' -25' 35' 30' 25' 20' 15'	*25.9 *29.5 *25.3	*65,120 *55,930	*29.5 *25.3	*65,120 *55,930	*23.1 *20.2 *15.4	*50,970 *44,690 *33,950	21.0 *20.2 *15.4	*44,690 *33,950	*18.4 *16.1 *11.3 *14.6	*35,630 *25,090 *32,390	15.3 *11.3 *14.6	33,780 *25,090 *32,390	*122 *11.9 *12.9	*26,430 *28,480	*11.9 *12.9	*26,430 *28,480	*10.8 *11.2 *11.7	*24,000 *24,690 *25,840	*10.8 10.7 10.3	*24,000 23,610 22,860	*10.2 *7.6 *7.1 *6.9 *6.8 *6.9	*22,490 *16,910 *15,830 *15,280 *15,210	*11.5 *10.2 *7.6 *7.1 *6.9 *6.8 *6.9	*25,420 *22,490 *16,910 *15,830 *15,280 *15,210	9.2 / 30.2 7.8 / 25.6 9.8 / 32.2 10.8 / 35.4 11.6 / 38. 12.1 / 39.7 12.4 / 40.7
+ Counterweight 11,300 kg, 24,920 lb Boom 7.7 m, 25' 3" + Arm 5.2 m, 17' 1" +	-1.5 m -3 m -4.5 m -6 m -7.5 m 10.5 m 9 m 7.5 m 6 m	-5' -10' -20' -25' 35' 30' 25' 20' 15'	*25.9 *29.5 *25.3	*65,120 *55,930	*29.5 *25.3	*65,120 *55,930	*23.1 *20.2	*50,970 *44,690	21.0 *20.2	*44,690 *33,950	*18.4 *16.1 *11.3	*35,630 *25,090 *32,390 *36,130	15.3 *11.3	33,780 *25,090	*12.2 *11.9 *12.9 *13.9	*26,430	*11.9 *12.9 12.8	*26,430	*10.8 *11.2	*24,000 *24,690	*10.8 10.7	*24,000 23,610	*10.2 *7.6 *7.1 *6.9 *6.8	*22,490 *16,910 *15,830 *15,280 *15,100	*11.5 *10.2 *7.6 *7.1 *6.9 *6.8	*25,420 *22,490 *16,910 *15,830 *15,280 *15,100	9.2 / 30.2 7.8 / 25.6 9.8 / 32.2 10.8 / 35.4 11.6 / 38.1 12.1 / 39.7 12.4 / 40.7 12.6 / 41.3 12.5 / 41.0
+ Counterweight 11,300 kg, 24,920 lb Boom 7.7 m, 25' 3" +	-1.5 m -3 m -4.5 m -6 m -7.5 m 9 m 7.5 m 6 m 4.5 m 3 m	-5' -10' -20' -25' 35' 30' 25' 20' 15' 10'	*25.9 *29.5 *25.3	*65,120 *55,930 *42,090	*29.5 *25.3 *19.0	*65,120 *55,930	*23.1 *20.2 *15.4	*50,970 *44,690 *33,950 *45,000	21.0 *20.2 *15.4	*44,690 *33,950 *45,000	*18.4 *16.1 *11.3 *14.6 *16.3	*35,630 *25,090 *32,390 *36,130 *39,440	15.3 *11.3 *14.6 *16.3	33,780 *25,090 *32,390 *36,130	*12.2 *11.9 *12.9 *13.9 *14.8	*26,430 *28,480 *30,730	*11.9 *12.9 12.8 12.2	*26,430 *28,480 28,260	*10.8 *11.2 *11.7 *12.3	*24,000 *24,690 *25,840 *27,140	*10.8 10.7 10.3 9.9	*24,000 23,610 22,860 22,020	*10.2 *7.6 *7.1 *6.9 *6.8 *6.9 *7.0	*22,490 *16,910 *15,830 *15,280 *15,100 *15,210 *15,610	*11.5 *10.2 *7.6 *7.1 *6.9 *6.9 *6.9 *7.0	*25,420 *22,490 *16,910 *15,830 *15,280 *15,100 *15,210 *15,610	9.2 / 30.2 7.8 / 25.6 9.8 / 32.2 10.8 / 35.4 11.6 / 38.1 12.1 / 39.7 12.4 / 40.7 12.6 / 41.3
+ Counterweight 11,300 kg, 24,920 lb Boom 7.7 m, 25' 3" + Arm 5.2 m, 17' 1" + Shoe 650 mm, 26" + Counterweight 11,300 kg,	-1.5 m -3 m -4.5 m -6 m -7.5 m 0 m 7.5 m 6 m 4.5 m 3 m 1.5 m 0 m	-5' -10' -20' -25' 35' 30' 25' 20' 15' 15' 10' 5'	*25.9 *29.5 *25.3 *19.0	*65,120 *55,930 *42,090	*29.5 *25.3 *19.0	*65,120 *55,930 *42,090	*23.1 *20.2 *15.4 *20.4 *22.8	*50,970 *44,690 *33,950 *45,000 *50,380	21.0 *20.2 *15.4 *20.4 *20.4	*44,690 *33,950 *45,000 *50,380	*18.4 *16.1 *11.3 *14.6 *16.3 *17.8	*35,630 *25,090 *32,390 *36,130 *39,440 *41,690	15.3 *11.3 *14.6 *16.3 16.1	33,780 *25,090 *32,390 *36,130 35,490	*12.2 *11.9 *12.9 *13.9 *14.8	*26,430 *28,480 *30,730 *32,780	*11.9 *12.9 12.8 12.2 11.7	*26,430 *28,480 28,260 26,960	*10.8 *11.2 *11.7 *12.3 *12.8	*24,000 *24,690 *25,840 *27,140 *28,310	*10.8 10.7 10.3 9.9 9.6	*24,000 23,610 22,860 22,020 21,230	*10.2 *7.6 *7.1 *6.9 *6.8 *6.9 *7.0 *7.4	*22,490 *16,910 *15,830 *15,280 *15,100 *15,210 *15,610 *16,360	*11.5 *10.2 *7.6 *7.1 *6.9 *6.8 *6.9 *7.0 7.2	*25,420 *22,490 *15,830 *15,280 *15,100 *15,210 *15,610 15,870	9.2 / 30.2 7.8 / 25.6 9.8 / 32.2 10.8 / 35.4 11.6 / 38.1 12.1 / 39.7 12.4 / 40.7 12.6 / 41.3 12.5 / 41.0
+ Counterweight 11,300 kg, 24,920 lb Boom 7.7 m, 25' 3" + Arm 5.2 m, 17' 1" + Shoe 650 mm, 26" +	-1.5 m -3 m -4.5 m -6 m -7.5 m 9 m 7.5 m 6 m 4.5 m 3 m 1.5 m 0 m -1.5 m -3 m	-5' -10' -20' -25' 35' 20' 15' 10' 5' 0' -5' -10'	*25.9 *29.5 *19.0 *19.0 *21.5 *25.0 *31.5	*65,120 *55,930 *42,090 *47,600	*29.5 *25.3 *19.0 *21.5 *25.0 *31.5	*65,120 *55,930 *42,090 *47,600	*23.1 *20.2 *15.4 *20.4 *22.8 *24.2 *24.2 *23.8	*50,970 *44,690 *33,950 *45,000 *50,380 *50,380	21.0 *20.2 *15.4 *20.4 *20.4 *22.8 21.3 20.7 20.5	*44,690 *33,950 *45,000 *50,380 47,090	*18.4 *16.1 *11.3 *14.6 *16.3 *17.8 *18.9	*35,630 *25,090 *32,390 *36,130 *39,440 *41,690 *42,480	15.3 *11.3 *14.6 *16.3 16.1 15.3 14.9 14.7	33,780 *25,090 *32,390 *36,130 35,490 33,890	*12.2 *11.9 *12.9 *13.9 *14.8 *15.5	*26,430 *28,480 *30,730 *32,780 *34,190	*11.9 *12.9 12.8 12.2 11.7 11.4	*26,430 *28,480 28,260 26,960 25,920	*10.8 *11.2 *11.7 *12.3 *12.8 *13.1	*24,000 *24,690 *25,840 *27,140 *28,310 *29,010	*10.8 10.7 10.3 9.9 9.6 9.3	*24,000 23,610 22,860 22,020 21,230 20,570	*10.2 *7.6 *7.1 *6.9 *6.8 *6.9 *7.0 *7.0 *7.4 *7.9	*22,490 *16,910 *15,280 *15,280 *15,210 *15,210 *15,610 *16,360 *17,500	*11.5 *10.2 *7.6 *7.1 *6.9 *6.8 *6.9 *7.0 7.2 7.3	*25,420 *22,490 *16,910 *15,830 *15,280 *15,100 *15,210 *15,610 15,870 16,090	9.2 / 30.2 7.8 / 25.6 9.8 / 32.2 10.8 / 35.4 11.6 / 38. 12.1 / 39.7 12.4 / 40.7 12.6 / 41.3 12.5 / 41.4 12.3 / 40.4 11.9 / 39.4 11.3 / 37.
+ Counterweight 11,300 kg, 24,920 lb Boom 7.7 m, 25' 3" + Arm 5.2 m, 17' 1" + Shoe 650 mm, 26" + Counterweight 11,300 kg,	-1.5 m -3 m -4.5 m -6 m -7.5 m 9 m 7.5 m 6 m 4.5 m 3 m 1.5 m 0 m -1.5 m	-5' -10' -25' -25' 35' 25' 20' 15' 10' 5' 0' -5' -10' -15'	*25.9 *29.5 *25.3 *19.0 *21.5 *21.5	*65,120 *55,930 *42,090 *42,090 *42,090	*29.5 *25.3 *19.0 *21.5 *25.0 *31.5 *28.4	*65,120 *55,930 *42,090 *42,090	*23.1 *20.2 *15.4 *20.4 *22.8 *24.2 *24.2	*50,970 *44,690 *33,950 *45,000 *50,380 *53,550 *54,280	21.0 *20.2 *15.4 *20.4 *22.8 21.3 20.7	*44,690 *33,950 *45,000 *50,380 47,090 45,770	*18.4 *16.1 *11.3 *14.6 *16.3 *17.8 *18.9 *19.2	*35,630 *25,090 *32,390 *36,130 *39,440 *41,690 *42,480 *41,540 *38,440	15.3 *11.3 *14.6 *16.3 16.1 15.3 14.9 14.7 14.7	33,780 *25,090 *32,390 *36,130 35,490 33,890 32,850	*12.2 *11.9 *12.9 *13.9 *14.8 *15.5 *15.7 *15.2 *13.9	*26,430 *28,480 *30,730 *32,780 *34,190 *34,630	*11.9 *12.9 12.8 12.2 11.7 11.4 11.3	*26,430 *28,480 28,260 25,920 25,920 25,220 24,910 25,070	*10.8 *11.2 *11.7 *12.3 *12.8 *13.1 *13.1	*24,000 *24,690 *25,840 *27,140 *28,310 *29,010 *28,920	*10.8 10.7 10.3 9.9 9.6 9.3 9.1	*24,000 23,610 22,860 22,020 21,230 20,570 20,130	*10.2 *7.6 *7.1 *6.9 *6.8 *6.9 *7.0 *7.4 *7.9 *8.7	*22,490 *16,910 *15,830 *15,280 *15,210 *15,610 *15,610 *16,360 *19,220 *21,850	*11.5 *10.2 *7.6 *7.1 *6.9 *6.9 *6.9 *7.0 7.2 7.3 7.6	*25,420 *22,490 *16,910 *15,830 *15,280 *15,100 *15,210 *15,610 15,870 16,090 16,820 18,250 20,750	9.2 / 30.2 7.8 / 25.6 9.8 / 32.2 10.8 / 35.4 11.6 / 38. 12.1 / 39. 12.4 / 40. 12.6 / 41. 12.5 / 41. 12.3 / 40.4 11.9 / 39.4

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.

• EC700CL

Across undercarriage	Lifting hook		4.5 m, 15'			6.0 m, 20'				7.5 m, 25'				9.0 m, 30'					10.5 ı	n, 35	ji					
Along	related to ground	Ŀ		œ		ŀ		C	╉╸		İ j	Ċ	ŀ	I	ł	Ċ	╉╸	Ů		œ		Ŀ		Ċ ₽ ∾		Max.
undercarriage	level	t	Гр	t	lb	t		t	lb	t	ш	t	lb	t	L IP	t	lb	t	Ib	t	lb	t	Ш	t	lb	m/ ft
	10.5 m 35'																									0.5. (0.0.
	9 m 30' 7.5 m 25'									*169	*37,370	*16.9	*37,370									*14.0	*33,270 *30,910	*15.0 *14.0	· ·	6.7 / 22.0 7.9 / 25. 9
Boom 6.6 m, 21' 8"	6 m 20'					*19.4	*42,940	*19.4	*42,940	*17.3	*38,270	*17.3	*38,270									*13.6	*30,160	*13.6	· ·	8.6 / 28.2
+ Arm 2.9 m, 9' 6''	4.5 m 15'	*28.9	*63,710	*28.9	*63,710	*21.9	*48,370	*21.9	*48,370	*18.4	*40,740	18.1	39,990	*15.5	*34,170	13.5	29,920					*13.8	*30,470	13.3	29,500	9.1 / 29.9
without bucket	3 m 10'					*24.4	*53,880	24.3	53,750	*19.7	*43,520	17.4	38,510	*17.0	*37,480	13.2	29,280					*14.4	*31,770	12.6	27,950	9.3 / 30.5
+	1.5 m 5'	*31.6	*69,800	*31.6		*26.1	*57,560	23.7	51,610	*20.6	*45,570		37,280	*17.2	*37,990	13.0	28,660					*15.4	*34,150	12.5	27,710	9.2 / 30.2
Shoe 750 mm, 30" +	0 m 0'	*35.3	*77,820	*35.3	*77,820	*26.4	*58,310	22.8	50,440	*20.8	*45,940	16.5	36,510									*16.9	*37,370	13.0	· ·	8.9 / 29.2
Counterweight 11,300 kg,	-1.5 m -5' -3 m -10'	*32.8 *28.4	*72,420 *62,700	*32.8 *28.4	*72,420 *62,700	*25.2 *22.1	*55,730 *48,830	22.7 *22.1	50,180 *48.830	*19.8	*43,650	16.4	36,350									*16.9 *16.5	*37,460 *36,570	14.3 *16.5		8.3 / 27.2 7.4 / 24.3
24,920 lb	-4.5 m -15'	*20.6	*45,500	*20.6	*45,500		,		,													*14.7	*32,540	*14.7	Ib "33,270" "30,910" "30,910" 22,9500 27,950 27,9710 28,750 31,610 "36,570 "32,540 "37,430 "34,150 23,460 22,240 22,240 22,240 22,240 22,240 22,240 22,240 22,440 22,240 23,500 21,740 23,500 21,740 20,830 21,740 22,510 26,520 26,520 26,520 26,520 26,520 26,520 26,520 26,520 26,520 26,520 26,520 21,640 22,510 23,500	6.0 / 23.0
	-6 m -20'																									
	-7.5 m -25'																									
	10.5 m 35'																					*16.9		*16.9	· ·	6.8 / 22.3
	9 m 30'									*15.6		*15.6	*34,520	*140	*20.670	107	20 400					*15.4	*34,150	*15.4	· ·	8.2 / 26.9
Boom 7.7 m, 25' 3"	7.5 m 25' 6 m 20'					*20.1	*44,380	*20.1	*44,380	*15.9 *16.9	*35,140 *37,280	*15.9 *16.9	*35,140 *37,280	*14.8 *15.0	*32,670 *33,160	13.7 13.5	30,400 29,890					*14.7 *14.4	*32,430 *31,800	13.2 11.5		9.2 / 30.2 9.9 / 32.5
+	4.5 m 20 [.]					*22.6	*49,980	*22.6		*18.1	*40,080		38,210	*15.6	*34,410		29,010					*14.2	*31,380			10.3 / 33.8
Arm 2.9 m, 9' 6" without bucket	3 m 10'					*24.7	*54,540	22.7	50,180	*19.3	*42,660	165	36,510	*16.1	*35,690		28,060					*14.1	*31,170	10.1		10.5 / 34.4
+	1.5 m 5'					*25.5	*56,330	21.9	48,390	*20.0	*44,160	15.9	35,250	*16.5	*36,420	12.3	27,290					*14.0	*31,020	10.0	22,240	10.4 / 34. 1
Shoe 750 mm, 30"	0 m 0'					*25.1	*55,340	21.6	47,710	*19.9	*44,070	15.6	34,550	*16.3	*36.070	12.1	26,830					*13.9	*30,780	10.4	22,930	10.1 / 33.1
+ Counterweight 11,300 kg,	-1.5 m -5'	*26.4	*58,380	*26.4	*58,380	*23.6	*52.050	21.6	47,730	*19.0	*42,040	15.6	34,390	*15.3	*33,910	12.1	26,810					*13.7	*30,250	11.1		9.6 / 31.5
24,920 lb	-3 m -10'	*25.0	*55,160		*55,160	*20.9	*46,230	*20.9		*16.9	*37,410	15.7	34,810									*13.1	*28,920	12.7		8.8 / 28.9
	-4.5 m -15' -6 m -20'	*19.6	*43,250	*19.6	*43,250	*16.5	*36,550	*16.5	*36,550	*12.4	*27,360	*12.4	*27,360									*11.6	*25,730	*11.6	~25,730	7.7 / 25.3
	-7.5 m -25'																									
	10.5 m 35'									14.2	31,130	14.2	31,130									*13.0	*28,840	*13.0	2.0 *26,520	7.6 / 24.9
	9 m 30'																					*12.0		*12.0	*26,520	8.9 / 29.2
D 55 07 01	7.5 m 25'									*14.9	*33,000	*14.9	*33,000	*13.8	*30,620	*13.8	*30,620					*11.5	*25,440	*11.5	*25,440	9.9 / 32.5
Boom 7.7 m, 25' 3" +	6 m 20'					*18.8	*41,580	*18.8		*16.0	*35,410	*16.0	*35,410	*14.3	*31,640	13.8	30,450					*11.4	*25,130	10.6	23,500	10.5 / 34.4
Arm 3.55 m, 11' 8''	4.5 m 15'					*21.5	*47,440	*21.5		*17.4	*38,510	*17.4	*38,510		*33,220	13.3	29,480	*13.5		10.4		*11.5	*25,460	9.8		10.9 / 35.8
without bucket	3 m 10' 1.5 m 5'					*23.9	*52,760	23.3 22.2	51,410	*18.8	*41,510	1	37,170	*15.8	*34,860	12.8		*13.8	*30,470	10.1	22,470	*11.9		9.4		11.0 / 36.1
+ Shoe 750 mm, 30"	1.5 m 5' 0 m 0'					*25.3 *25.4	*55,820 *56,150		49,120 47,970	*19.7 *20.0	*43,610 *44,270		35,690 34,740	*16.3 *16.4	*36,050 *36,310		27,540 26,940	*13.9 *13.6	*30,750 *30,160	9.9 9.8	22,000 21,720	*12.6 *13.2	*27,870 *29,230	9.3 9.5	· ·	11.0 / 36.1 10.7 / 35.1
+	-1.5 m -5'	*27.0	*59,610	*27.0	*59,610	*24.5	*54,010	21.6	47,660	*19.5	*43,140	15.5	34,370	*15.9	*35,120	12.0	26,650	10.0	00,100	0.0	21,720	*13.1	*29,030	10.2	· ·	10.2 / 33.5
Counterweight 11,300 kg, 24,920 lb	-3 m -10'	*27.7	*61,180	*27.7	*61,18	*22.4	*49,410	21.7	47,990	*18.0			34,520	*14.2	*31,500							*12.8	*28,350	11.4	· ·	9.5 / 31.2
24,520 10	-4.5 m -15'	*22.9	*50,550	*22.9	*50,550	*18.8	*41,540	*18.8	*41,540	*14.9	*32,870	*14.9	*32,870									*12.0	*26,520	*12.0	*26,520	8.4 / 27.6
	-6 m -20'	*15.5	*34,220	*15.5	*34,220	*12.5	*27,670	*12.5	*27,670													*9.8	*21,650	*9.8	*21,650	6.9 / 22.6
	-7.5 m -25'																									
	10.5 m 35'													107		1107						*10.4		*10.4	30,910 23,0160 23,0160 23,0160 23,0160 23,0160 23,0160 34,050 34,150 23,460 25,510 22,440 22,240 22,330 22,4670 22,330 22,330 22,510 22,330 22,530 23,500 21,140 25,520 21,160 25,200 26,520 21,160 25,200 26,520 21,160 25,200 26,520 21,160 25,200 26,520 21,160 25,200 26,520 21,160 25,200 26,520 21,160 25,200 26,520 21,160 25,200 20,640 21,140 25,200 20,640 21,140 25,200 20,640 21,140 25,200 20,640 21,140 22,210 22,510 22,510 20,640 21,140 22,510 22,500 20,640 21,140 22,510 20,640 21,140 22,510 20,640 21,140 22,510 20,640 21,140 22,510 20,640 20,640 20,500 20,500 20,640 20,500 20,640 20,500 20,640 20,500 20,640 20,500 20,640 20,500 20,640 20,500 20,640 20,500 20,500 20,640 20,500 20,640 20,500 20,640 20,500 20,640 20,500 20,500 20,500 20,500 20,640 20,500 20,640 20,500 20,640 20,500 20,640 20,500 20,640 20,500 20	8.5 / 27.9
	9 m 30' 7.5 m 25'													*12.7 *12.8	*28,020	*12.7	*28,020 *28,240	*9.6	*21,230	*9.6	*21,230	*9.6 *9.3	*23,320	*9.6 *9.3		9.7 / 31.8 10.5 / 34.
Boom 7.7 m, 25' 3"	6 m 20'									*148	*32,800	*14.8	*32,800	*13.3	*29,520	*13.3	*29,520	*12.4	*27,400	10.6	23,480	*9.2	*20,280	*9.2	· ·	11.1 / 36.4
+ Arm 4.0 m 121.0	4.5 m 15'					*19.9	*43,940	*19.9	*43,940	*163	*36,090	*16.3	*36,090	*142	*31,310	13.3	29,500	*127	*28,200	10.4	22,930	*9.2	*20,480	8.9	· ·	11.5 / 37.
Arm 4.2 m, 13' 9" without bucket	3 m 10'					*22.5	*49,780	*22.5		*17.8	*39,400		37,260	*15.0	*33,220	12.8	28,310	*132	*29,120	10.1	22,270	* 9.5	*21,120	8.5		11.6 / 38.
+	1.5 m 5'					*24.4	*53,860	22.3	49,160	*19.0	*42,020	16.1	35,540	*15.7	*34,770	12.3	27,250	*135	*29,830	9.8	21,630	*10.0	*22,220	8.4	18,610	11.6 / 38. 1
Shoe 750 mm, 30" +	0 m 0'	*19.0	*42,020				*55,380	21.5		*19.6	*43,340		34,350	*16.1	*35,520		26,460	*135	*29,890	9.6	21,190	*10.8			· ·	11.4 / 37.4
Counterweight 11,300 kg,	-1.5 m -5'	*25.9	*57,280		*57,280	*24.6	*45,390	21.2	46,850	*19.5	*43,030		33,710	*15.9	*35,080		26,040	*13.0	*28,730	9.5	21,030	*12.1	*26,720			10.9 / 35.8
24,920 lb	-3 m -10' -4.5 m -15'	*29.5	*65,120 *55,930		*65,120 *55,930	*23.1 *20.2	*50,970 *44,690	21.2 *20.2	46,890 *44,690	*18.4	*40,720 *35,630		33,640 34,130	*14.8	*32,800		26,040 26,680					*12.0		10.0		10.2 / 33.5 9.2 / 30.2
	-4.5 m -15 -6 m -20'	*25.3 *19.0	*42,090			*15.4	*33,950	*15.4					34,130 *25,090	122	21,010	12.1	20,000					*11.5 *10.2				9.2 / 30.2 7.8 / 25.6
	-7.5 m -25'								,		,		,										,			2010
	10.5 m 35'																					*7.6	*16,910	*7.6	*16,910	9.8 / 32.2
	9 m 30'																	*8.8	*19,420	*8.8	*19,420	*7.1	*15,830	*7.1	*15,830	10.8 / 35.4
Boom 7.7 m, 25' 3"	7.5 m 25'																	*10.8	*24,000	*10.8	*24,000	*6.9	*15,280	*6.9	*15,280	11.6 / 38.1
+	6m 20'													1	*26,430			*11.2	*24,690	10.8	23,850	*6.8	*15,100	*6.8	*15,100	12.1 / 39.7
Arm 5.2 m, 17' 1"	4.5 m 15' 3 m 10'					*00.4	*45 000	100.4	*45 000		*32,390	1	*32,390	*12.9	*28,480		*28,480	*11.7	*25,840	10.4	23,100	*6.9	*15,210	*6.9	*15,210	12.4 / 40.7
without bucket	3 m 10 [.] 1.5 m 5'					*20.4	*45,000 *50,380	*20.4 22.7	*45,000 50,040	*16.3 *17.8		1	*36,130 35,870	*13.9 *14.8	*30,730 *32,780		28,550 27,270	*12.3 *12.8	*27,140 *28,310	10.1 9.7	22,270 21,470	•7.0 •7.4	*15,610 *16,360	*7.0 7.2	*15,610 16,070	12.6 / 41.3 12.5 / 41.0
Shoe 750 mm, 30"	0 m 0'	*21.5	*47.600	*21.5	*47,600	*24.2	*53,550	22.7		*18.9		1	35,870 34,240	*15.5	*34,190		26,210	*13.1	*29,010	9.7 9.4	20,810	*7.9	*17,500	7.3	16,070	12.3 / 41.0
+	-1.5 m -5'	*25.0			*55,120			20.9		*19.2		1	33,220	*15.7	*34,630	1	25,510	*13.1	*28,920	9.2	20,370	*8.7	*19,220	7.7	17,020	11.9 / 39.0
Counterweight 11,300 kg, 24,920 lb	-3 m -10'	*31.5	*69,510			*23.8		20.7	45,810	*18.8		1	32,780	*15.2	*33,700	11.4	25,200	*12.4	*27,450	9.2	20,280	*9.9	*21,850	8.3	18,470	11.3 / 37.1
,	-4.5 m -15'	*28.4	*62,610		*62,610	*21.9	*48,410	20.9	46,080	*17.4	*38,440	14.9	32,890	*13.9	*30,710	11.5	25,350					*10.6	*23,520	9.5	20,990	10.4 / 34.1
	-6 m -20'	*23.5	*51,940	*23.5	*51,940	*18.5	*40,850	*18.5	*40,850	*14.5	*32,120	*14.5	*32,120	*10.6	*23,520	*10.6	*23,520					*10.0	*22,160	*10.0	*22,160	9.2 / 30.2
	-7.5 m -25'	*16.0	*35,430	*16.0	*35,430	*12.5	*27,690	*12.5	*27,690													*8.3	*18,450	*8.3	*18,450	7.5 / 24.6

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.

• EC700CL

Across undercarriage	Lifting hook		4.5 m, 15'				6.0 m, 20'				7.5 m, 25'				9.0 m, 30'				10.5 r	m, 35	;·					
Along undercarriage	related to ground level		Ŀ		œ		ł	C			<u>i</u>	C		l	Ŀ	C		ł	Ŀ	(3₽⊷		Ŀ		G-		Max.
undercarnage	level	t	lb	t	lb	t	lb	t	lb	t	lb	t	lb	t	lb	t	lb	t	lb	t	lb	t	lb	t	lb	m/ ft
	10.5 m 35																									
	9 m 30																					*15.0		*15.0	*33,270	6.7 / 22.
	7.5 m 25					*19.4	*42.940	*19.4	*42,940	*16.9 *17.3	*37,370 *38,270	*16.9 *17.3	*37,370 *38,270									*14.0	*30,910 *30,160	*14.0 *13.6	*30,910 *30,160	7.9 / 25. 8.6 / 28 .
Boom 6.6 m, 21' 8" ME	6 m 20 4.5 m 15	*28.9	*63,710	*28.0	*63,710		*48,370	*21.9	*48,370	*18.4	*40,740	18.4	40,520	*15.5	*34,170	13.7	30,340					*13.8	*30,160	13.5	29,920	9.1 / 29 .
Arm 2.9 m, 9' 6" ME	3 m 10	20.0	00,110	20.0	00,110	*24.4	*53,880	*24.4	*53,880	*19.7	*43,520	17.7	39,040	*17.0	*37,480	13.4	29,670					*14.4	*31,770	12.8	28,350	9.3 / 30.
+	1.5 m 5	*31.6	*69,800	*31.6	*69,800		*57,560	23.7	52,320	*20.6		17.1	37,810	*17.2	*37,990		29,080					*15.4	*34,150	12.7	28,110	9.2 / 30.
Shoe 900 mm, 36"	0 m 0'		*77,820	*35.3	*77,820	*26.4	*58,310	23.2	51,150	*20.8	*45,940	16.8	37,040									*16.9	*37,370	13.2	29,190	8.9 / 29 .
Counterweight 11,300 kg,	-1.5 m -5	*32.8	*72,420	*32.8	*72,420	*25.2	*55,730	23.0	50,880	*19.8	*43,650	16.7	36,880									*16.9	*37,460	14.5	32,080	8.3 / 27
24,920 lb	-3 m -10	*28.4	*62,700	*28.4	*62,700	*22.1	*48,830	*22.1	*48,830													*16.5	*36,570	*16.5	*36,570	7.4 / 24
	-4.5 m -15	*20.6	*45,500	*20.6	*45,500																	*14.7	*32,540	*14.7	*32,540	6.0 / 2 3
	-6 m -20																									
	-7.5 m -25																									
	10.5 m 35																					*16.9		*16.9	*37,430	6.8 / 22
	9 m 30									*15.6		*15.6				100						*15.4	*34,150	*15.4	*34,150	8.2 / 26
Poom 77 m 051 01	7.5 m 25					100.1	*44 000	100.1	*44.000	*15.9	*35,140	*15.9	*35,140				1 '					14.7	*32,430	13.3	29,520	9.2 / 30 9.9 / 32
Boom 7.7 m, 25' 3" ⊦	6 m 20 4.5 m 15					*20.1 *22.6	*44,380 *49,980	*20.1 *22.6	*44,380 *49,980	*16.9 *18.1		*16.9 17.5	*37,280 38,740	*15.0	*33,160 *34,410	13.7 13.3	30,310					'14.4 '14.2	*31,800	11.7 10.8	25,880 23,810	9.9 / 32
- Arm 2.9 m, 9' 6''	4.5 m 15 3 m 10					*24.7	*54,540	22.6	-49,980 50,880	*19.3	*40,080 *42,660	16.8	38,740	1	*35,690							14.2	*31,380 *31,170		23,810 22,770	10.3 / 3.
+	1.5 m 5					*25.5	*56,330	23.0	49,100	*20.0	*44,160	16.2	37,040	*16.5	*36,420							*14.0	*31,020	10.5	22,770	10.3 / 34
Shoe 900 mm, 36" ⊥	0 m 0					*25.1	*55,340	22.2	49,100	*19.9		15.9	35,080	*16.3	*36.070	12.3	1					*13.9	*30,780	10.2	23,280	10.1 / 3
+ Counterweight 11,300 kg,	-1.5 m -5	*26.4	*58,380	*26.4	*58,380	*23.6	*52.050	21.9	48,410	*19.0		15.8	34,920	*15.3			27,250					*13.7	*30,250	11.3	25,040	9.6 / 31
24,920 lb	-3 m -10	*25.0		*25.0	*55,160	*20.9	*46,230	*20.9	*46,230	*16.9		16.0	35,340									*13.1	*28,920	12.9	28,550	8.8 / 28
	-4.5 m -15	*19.6	*43,250	*19.6	*43,250	*16.5	*36,550	*16.5	*36,550	*12.4	*27,360	*12.4	*27,360									*11.6	*25,730	*11.6	*25,730	7.7 / 25
	-6 m -20													1												
	-7.5 m -25																									
	10.5 m 35									*14.0	*31,040	*14.0	*31,040									*13.0	*28,840	*13.0	*28,840	7.6 / 24
	9 m 30																					*12.0	*26,520	*12.0	*26,520	8.9 / 29
	7.5 m 25									*14.9	*33,000	*14.9	*33,000	*13.8	*30,620	*13.8	*30,620					*11.5	*25,440	*11.5	*25,440	9.9 / 32
Boom 7.7 m, 25' 3"	6 m 20					*18.8	*41,580	*18.8	*41,580	*16.0		*16.0	*35,410		*31,640							*11.4	*25,130		23,960	10.5 / 3 4
+ Arm 3.55 m, 11' 8''	4.5 m 15					*21.5	*47,440	*21.5	*47,440	*17.4	*38,510	*17.4	*38,510				30,030	*13.5	*29,850	10.6		*11.5	*25,460	10.0	22,200	10.9 / 35
+	3 m 10					*23.9	*52,760	23.7	52,380	*18.8			37,880	*15.8	*34,860		28,990	*13.8	*30,470	10.4	22,950	*11.9	*26,350	9.6	21,270	11.0 / 3
Shoe 900 mm, 36"	1.5 m 5					*25.3	*55,820	22.7	50,090	*19.7	*43,610	16.5	36,400	*16.3	*36,050	12.7	28,090	*13.9	*30,750	10.1	22,470	*12.6	*27,870	9.5	21,080	11.0/3
+	0 m 0 ' -1.5 m -5 '	+07.0	*50.610	*07.0	*59,610	*25.4 *24.5	*56,150	22.2	48,940 48,630	*20.0		16.0 15.9	35,470 35,080	*16.4	*36,310			*13.6	*30,160	10.0	22,180	*13.2	*29,230 *29,030		21,580 22,990	10.7 / 3
Counterweight 11,300 kg, 24,920 lb	-3 m -10	*27.0	*61,180	*27.7	*61,18	*22.4	*54,010 *49,410	22.0 22.2	48,960	*19.5 *18.0		15.9	35,080	*15.9 *14.2	· ·							*13.1 *12.8	*28,350		22,990	10.2 / 33 9.5 / 31
_ ,	-4.5 m -15	*22.9	*50,550	*22.9	*50,550	*18.8	*41,540	*18.8	*41,540	*14.9		*14.9	*32,870	1%2	01,000	12.4	21,410					*12.0	*26,520	*12.0	*26,520	8.4 / 27
	-6 m -20	*15.5		*15.5	*34,220	*12.5	*27,670	*12.5	*27,670	1-1.0	02,010	14.0	02,010									*9.8	*21,650	*9.8	*21,650	6.9 / 22
	-7.5 m -25	10.0		10.0	,	12.0	,	12.0														0.0		0.0		0.0 /
	10.5 m 35																					*10.4	*23,000	*10.4	*23,000	8.5 / 27
	9 m 30													*12.7	*28,020	*12.7	*28,020					*9.6	*23,320	*9.6	*23,320	9.7 / 31
	7.5 m 25													*12.8	*28,240			*9.6	*21,230	*9.6	*21,230	*9.3	*20,530	*9.3	*20,530	10.5 / 3 4
Boom 7.7 m, 25' 3''	6 m 20									*14.8	*32,800	*14.8	*32,800	*13.3	*29,520	*13.3	*29,520	*12.4	*27,400	10.8	23,830	*9.2	*20,280	*9.2	*20,280	11.1 / 3
+	4.5 m 15					*19.9	*43,940	*19.9	*43,940	*16.3	*36,090	*16.3	*36,090	*14.2	*31,310	13.5		*12.7	*28,200	10.5	23,260	*9.2	*20,480	9.0	19,930	11.5 / 3
Arm 4.2 m, 13' 9" +	3 m 10					*22.5	*49,780	*22.5	*49,780	*17.8	*39,400	17.1	37,790	*15.0	*33,220	13.0	28,730	*132	*29,120	10.2	22,600	*9.5	*21,120	8.6	19,110	11.6 / 3
- Shoe 900 mm, 36"	1.5 m 5					*24.4	*53,860	22.6		*19.0		1	36,070	*15.7	*34,770		27,670	*135	*29,830		21,980	1	*22,220	8.5	18,890	11.6 / 38
+	0 m 0			*19.0		*25.1	*55,380	21.8	48,240	*19.6		15.8	34,880	*16.1	*35,520		26,870	*135	*29,890	9.7	21,540	1	*23,990	8.7	19,270	11.4 / 3
Counterweight 11,300 kg,	-1.5 m -5	*25.9		1	*57,280	*24.6	*45,390	21.5	47,550	*19.5		15.5	34,240	*15.9			26,460	*13.0	*28,730	9.6	21,360	1	*26,720		20,370	10.9/3
24,920 lb	-3 m -10	*29.5				1	*50,970	21.5	47,600	*18.4	*40,720	1	34,170	*14.8			26,460					*12.0			22,470	10.2 / 3
	-4.5 m -15 -6 m -20	*25.3 *19.0		*25.3 *19.0	*55,930	1	*44,690	*20.2	*44,690	*16.1	*35,630		34,660	*12.2	*27,010	12.1	26,680					*11.5 *10.2	*25,420			9.2 / 30
	-7.5 m -25	19.0	*42,090	19.0	*42,090	*15.4	*33,950	*15.4	*33,950	*11.3	*25,090	11.3	*25,090									10.2	*22,490	10.2	*22,490	7.8 / 25
	10.5 m 35		+													-				-		*7.6	*16,910	*7.6	*16,910	9.8 / 3
	9 m 30																	*8.8	*19,420	*8.8	*19,420	1	*15,830	*7.1	*15,830	10.8/3
	7.5 m 25																	*10.8	*24,000	*10.8			*15,280	*6.9	*15,280	11.6/3
Boom 7.7 m, 25' 3"	6 m 20													*11.9	*26,430	* 11.9	*26,430	*11.2	*24,690						*15,100	12.1/3
+ ,	4.5 m 15									*14.6	*32,390	*14.6	*32,390				*28,480	*11.7	*25,840			1			*15,210	12.4 / 4
Arm 5.2 m, 17' 1"	3 m 10					*20.4	*45,000	*20.4	*45,000	*16.3	*36,130	*16.3	*36,130	*13.9	*30,730	13.1	28,970	*12.3	*27,140	10.2	22,620	•7.0	*15,610	*7.0	*15,610	12.6 / 4
⊦ Shoe 900 mm, 36"	1.5 m 5					*22.8	*50,380	*22.8	*50,380	*17.8	*39,440	16.5	36,380	*14.8	*32,780	125	27,690	*12.8	*28,310	9.8	21,800	•7.4	*16,360	7.4	16,340	12.5 / 4
+	0 m 0	*21.5	*47,600	*21.5	*47,600	*24.2	*53,550	21.3	48,300	*18.9	*41,690	15.7	34,770	*15.5	*34,190	120	26,630	*13.1	*29,010	9.5	21,140	•7.9	*17,500	7.5	16,580	12.3 / 4
Counterweight 11,300 kg,	-1.5 m -5	*25.0	*55,120	*25.0	*55,120	*24.6	*54,280	21.1	46,980	*19.2	*42,480	15.3	33,750	*15.7	*34,630	11.7	25,930	*13.1	*28,920	9.4	20,720	*8.7	*19,220	7.8	17,330	11.9 / 3
24,920 lb	-3 m -10	*31.5	*69,510	*31.5	*69,510	*23.8	*52,620	21.1	46,520	*18.8	*41,540	15.1	33,310	*15.2	*33,700	11.6	25,620	*12.4	*27,450	9.3	20,640	*9.9	*21,850	8.5	18,780	11.3 / 3
	-4.5 m -15	*28.4		*28.4	*62,610		*48,410	21.2	46,780	*17.4	*38,440	15.1	33,420	*13.9	*30,710	11.6	25,770					*10.6	*23,520	9.6	18,780	10.4 / 3
	-6 m -20	*23.5	*51,940	*23.5	*51,940	*18.5	*40,850	*18.5	*40,850	*14.5	*32,120	*14.5	*32,120	*10.6	*23,520	*10.6	*23,520					*10.0	*22,160	*10.0	*22,160	9.2 / 3 (
	-7.5 m -25	*16.0	*35,430	1160	*35,430	1125	*27,690	*12.5	*27,690													*8.3	*18,450	*8.3	*18,450	7.5 / 2

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 Tier 3 requirements Automatic idling system Air filter with indicator Air intake 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 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 3

- Boom-mounted 4 Travel alarm Batteries, 2 x 12 V / 225 Ah Start motor, 28 V / 6.6 kW

Hydraulic system

Hose rupture valve: boom Overload warning device Automatic sensing hydraulic system: - Summation system

- Boom priority - Arm priority - Swing priority Boom and arm regeneration valves Swing anti-rebound valves Boom and arm holding valves Boom float function Pump flow control for hammer & shear Multi-stage filtering system Cylinder cushioning Cylinder contamination seals Auxiliary hydraulic valve Automatic two-speed travel motors Hydraulic oil, ISO VG 46

Superstructure

Access way with handrail Full height counterweight 11,300 kg, 24,920 lb Tool storage area Service walkway with anti-slip grating Undercover (heavy-duty 4.5 mm, 0.18") Side walk-way

Cab and interior

Fabric seat with heater Pilot-operated wrist control joysticks with 3 switches each Heater & air-conditioner, automatic Hydraulic dampening cab mounts Adjustable operator seat and joystick control console AM/FM stereo with CD player and MP3 input; includes flexible antenna Hydraulic safety lock lever

Cab, all-weather sound suppression, includes:

- Ashtray
- Cup holder
- Lighter
- Door locks
- Tinted glass
- Floor mat
- Horn
- Large storage area
- Pull-up type front window
- Removable lower windshield
- Seat belt, 3-inch retractable
- Safety glass
- Sun shield, front, roof, rear
- Rain shield, front

- Windshield wiper with intermittent feature Anti-vandalism kit assembly preparation Master key

Undercarriage

Hydraulic track adjusters Greased and sealed track chain Track guard Undercover (10 mm, 0.39") Mechanically retractable track gauge

Track shoes

Track shoes, 900 mm, 36" with double grouser

Digging equipment

Boom: 7.7 m, 25' 3" Arm: 3.55 m, 11' 8" Centralized lubrication points

Service

Special tool for retractable frame

OPTIONAL EQUIPMENT

Engine

Block heater: 120V Dual stage precleaner Diesel coolant heater Water separator with heater Low noise kit Fuel filler pump: 100 I/min 26.4 gpm, with automatic shut-off

Electric

Extra lamps: - Cab-mounted 1 - Upper structure-mounted 1 Swing alarm Anti-theft system Rotating warning beacon

Hydraulic system

Hose rupture valve: arm Hammer & shear:

- 1 and 2 pump flow

- Additional return filter - 1 switch control - 2 switch control - Pedal switch control Hydraulic oil, ISO VG 32 Hydraulic oil, ISO VG 68 Hydraulic oil, biodegradable 32 Hydraulic oil, biodegradable 46

Cab and interior

Fabric seat Fabric seat with heater and air suspension Control joystick with semi-long levers Control joystick with 5 switches each Falling object guard (FOG) - Frame-mounted (356 kg, 785 lb) - Cab-mounted (153 kg, **337 lb**) Cab-mounted falling object protective structure (FOPS: 80 kg, 176 lb) Sunlight protection, roof (steel)

Foot support bar

Safety screen for front window Lower wiper Anti-vandalism kit

Undercarriage

Full track guard (190 kg, 419 lb / unit)

Track shoes

650 mm, 26", 750 mm, 28" track shoes with double grousers

Digging equipment

Boom: ME 6.6 m, 21' 8" Arm: 2.9 m, 9' 6" 4.2 m, 13' 9" 5.2 m, 17' 1"

Service

Electric grease gun Hand lamp Special tool for retractable frame Tool kit, full scale

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

NOTES





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 175 years. A heritage of thinking first about the people who actually use the machines. About how to help them be safer, more comfortable, more productive. About the environment we all share. The result of that thinking is a growing range of machines and a global support network dedicated to helping you do more. People around the world are proud to use Volvo. And we're proud of what makes Volvo different – **More care. Built in.**



Not all products are available in all markets. Under our policy of continuous improvement, we reserve the right to change specifications and design without prior notice. The illustrations do not necessarily show the standard version of the machine.



Volvo Construction Equipment

Volvo Construction Equipment North America, Inc.

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