VOLVO EXCAVATORS

EC250D, EC300D

24.5-33.4 t / 54,230-73,630 lb 204-228 hp

A PASSION FOR PERFORMANCE.

At Volvo Construction Equipment, we're not just coming along for the ride. Developing products and services that raise productivity – we are confident we can lower costs and increase profits for industry experts. Part of the Volvo Group, we are passionate about innovative solutions to help you work smarter – not harder.

Helping you to do more

Doing more with less is a trademark of Volvo Construction Equipment. High productivity has long been married to low energy consumption, ease of use and durability. When it comes to lowering life-cycle costs, Volvo is in a class of its own.

Designed to fit your needs

There is a lot riding on creating solutions that are suited to the particular needs of different industry applications. Innovation often involves high technology – but it doesn't always have to. Some of our best ideas have been simple, based on a clear and deep understanding of our customers' working lives.

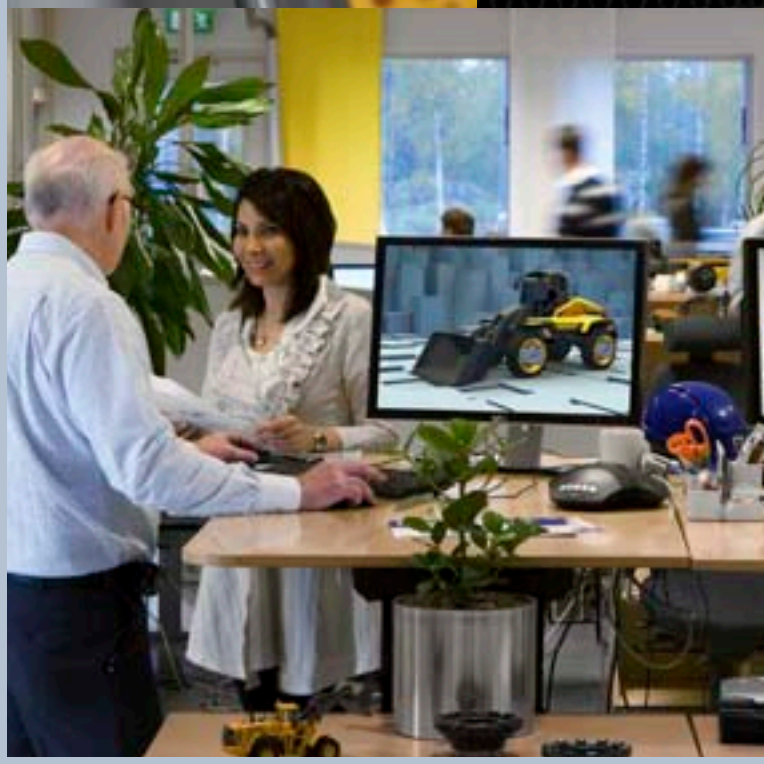
You learn a lot in 175 years

Over the years, Volvo has advanced solutions that have revolutionized the use of construction equipment. No other name speaks Safety louder than Volvo. Protecting operators, those around them and minimizing our environmental impact are traditional values that continue to shape our product design philosophy.

We're on your side

We back the Volvo brand with the best people. Volvo is truly a global enterprise, one that is on standby to support customers quickly and efficiently – wherever they are.

We have a passion for performance.



Volvo Trucks

Renault Trucks

Mack Trucks

UD Trucks

Volvo Buses

Volvo Construction Equipment

Volvo Penta

Volvo Aero

Volvo Financial Services

THE PLACE TO DO MORE.

When you are working comfortably, long work shifts go by quickly. You see everything clearly. Everything seems easier and you get more accomplished. That is the goal every day. Do it with Volvo.

Volvo care cab

All-day cab comfort is yours with Volvo. Expect an excellent operator environment and take command in all-around quality and ergonomic comfort. A comfortable seat, ideally-placed controls, excellent visibility and plenty of cab room. It all adds up to greater productivity, day after day.

Color I-ECU monitor

Operators always know exactly where their machine stands from a diagnostic point of view with the color I-ECU monitor. It's clear and easy to read, in all light conditions, for visual status checks. Its position from left to right is adjustable. A service mode allows engineers to perform quick diagnostic checks, helping to increase uptime and productivity. The monitor also permits rear view camera images to be displayed.

Console & switches

Everything you need is all in reach and view in the Volvo cab. The consoles and switches are conveniently located right where you want them, with your ergonomic comfort in mind. The consoles and switches are also built with quality for durability and long life.

Noise reduction

Excellent noise insulation and vibration dampening reduces fatigue and ensures high operator productivity all day long.

Viscous silicon rubber

The Volvo Care Cab is mounted on viscous, silicon rubber mounts. This system absorbs shocks, providing excellent comfort and greatly reducing whole body vibration. Also produces less noise, resulting in less fatigue and more comfort that leads to more all-day productivity.

ROPS

The cab features Roll Over Protective Structure (ROPS) safety certification. Provides more operator safety and peace-of-mind when operating in tough environments or in the event of the machine rolling over.

POWERED TO PERFORM.

Powerful engine

Volvo's powerful engine features increased power and torque for enhanced digging force and faster cycle times. Power has been increased by 10% in the EC250D and 11% in the EC300D. Torque is increased by 16% in the EC250D and 18% in the EC300D.

Increased performance

Perform at a higher level with increased power and speed for faster cycle times and greater productivity.

Boom float

The boom float lowers the boom simply by using gravity. As a result more flow is available to the arm circuit which ensures faster cycle times and enables grading and finishing operations to be carried out easily.

Advanced hydraulic system

Enjoy increased total performance from Volvo's smart hydraulic system. Now featuring bucket regeneration, boom priority and reduced internal losses in the hydraulic circuit for increased efficiency and productivity, as well as lower fuel consumption.

Superior performance has been built in to Volvo's EC250D and EC300D. An enhanced hydraulic system and well matched components guarantee you increased digging power. Trust Volvo to give you more.

THE RIGHT SELECTION, EVERY TIME.

Whether you and your operators think about the technological advancements that drive your Volvo Excavator or you simply want to climb in and get to it, rest assured that this machine delivers on all fronts. Earth moving brute force, backed by intelligent work modes, computerization, tracking and innovation that leads.

Selection work mode

Four working modes allow the operator to select the most appropriate mode for the application at hand. Assures the right amount of performance, along with an efficient use of fuel to suit the task.

I (Idle) stages 1 and 2 (2 being the lowest) – reduces rpm during inactive periods. Can be deselected at the press of a switch.

F (Fine) stages 1, 2 and 3 – increased hydraulic pressure via continuous Power Boost for lifting.

G (General) stages 1, 2 and 3 (1 being the highest) – G1 = good productivity and fuel consumption.

H (Heavy) – high productivity for intensive bulk earthmoving.

Attachment management system

Permits storage of up to 18 different attachment presets. Enables hydraulic flow (standard) and pressure (optional) adjustments according to requirements. Operator can choose hydraulic settings that are 1-way, 2-way, push button, toggle or proportional. Allows operators to quickly change attachments without need for manual setup. This saves downtime and increases productivity. The system can be password protected to prevent possible misuse by operators or rental users with insufficient knowledge of technique.

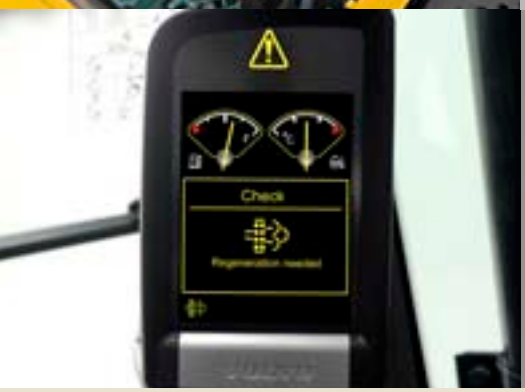
ULTIMATE EFFICIENCY.

Fuel efficient engine

Volvo's efficient D8H Tier 4 Interim/Stage IIIB diesel engine consumes less fuel for ultimate efficiency. Cooled external Exhaust Gas Recirculation (EGR) reduces oxygen concentration in the combustion chamber and decreases the combustion temperature for lower emissions.

Diesel Particulate Filter (DPF)

The active-type DPF traps the particulate matter. The filter temporarily holds the exhaust fumes and then cleans itself by oxidizing the material in a process called regeneration. The system lowers emissions without reducing performance.



Smart DPF Regeneration

Refined computer programming alerts operators when regeneration needs to occur. Volvo's unique, operator controlled, system does not interrupt operation, performance or productivity – reducing machine downtime. Regeneration can be postponed.

Proportional controlled viscous-clutch

Optimized fan speed control from the new proportional controlled viscous-clutch for reduced fuel consumption.

Volvo prides itself on producing fuel efficient machines and the D-Series crawler excavators are a perfect example of this. Featuring Volvo's unique ECO mode, which contributes to up to 5% of the machine's total increased fuel efficiency, and smart electro-hydraulic control, these machines deliver reduced fuel consumption and cycle times as well as increased digging performance.

QUICK ACCESS UPTIME.

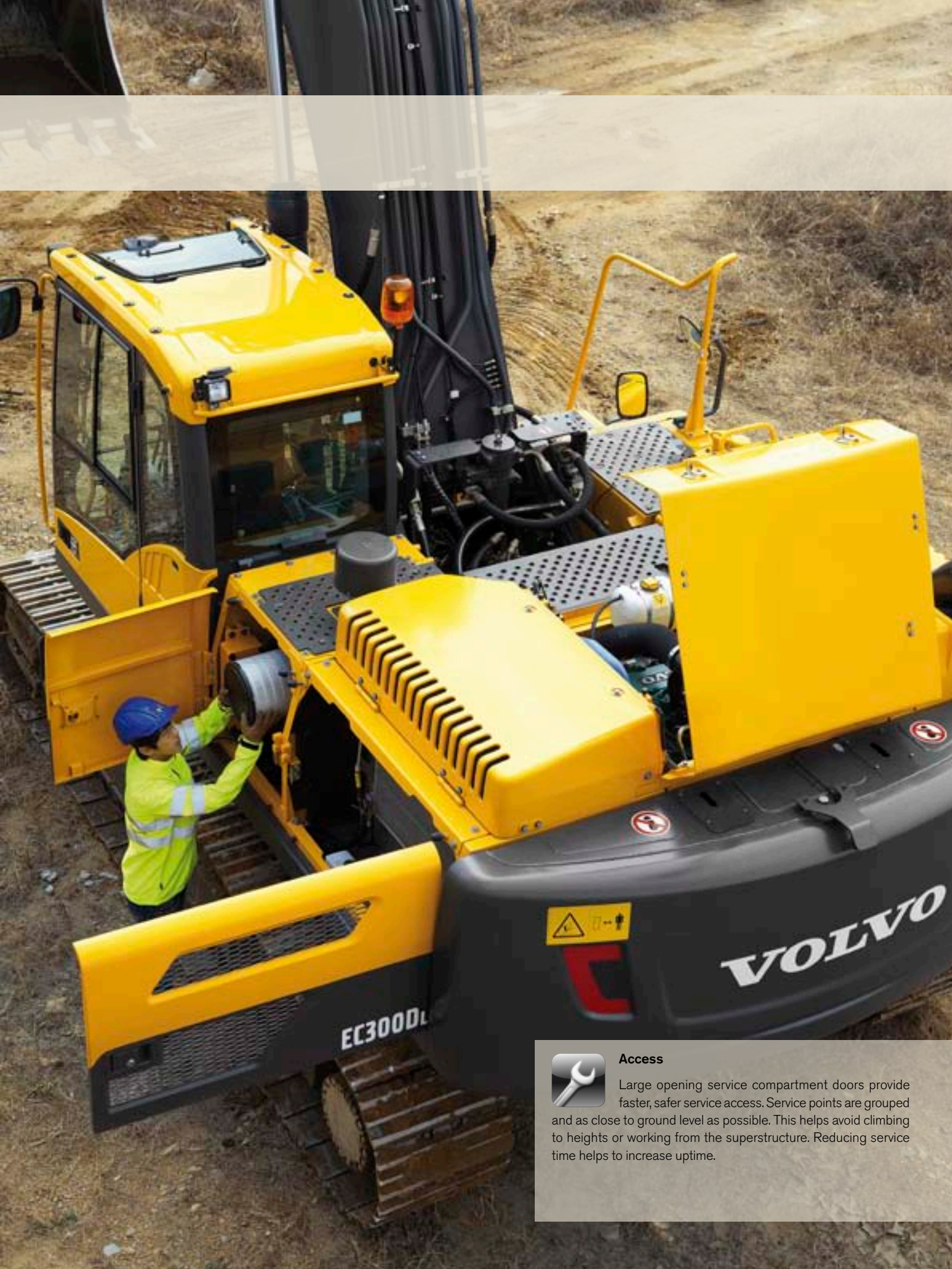
Volvo provides your access to more uptime. Open up the easy-to-reach compartments and quickly perform any necessary checks, replacements or services. Then get back to work. Having to do less service each day means less downtime.

Controlled cooling & Optional Reversible cooling fan

Thermostatically-controlled cooling regulates fan speed to actual cooling need, reducing fuel consumption and noise. Optional Reversible cooling fan helps prevent clogging of radiators, which can lead to overheating. Particularly helpful when operating in dusty environments. Helps extend component life, while minimizing the need for frequent manual cleaning. Can be operated through the in-cab monitor. Features three operating modes.

Grouped filters

A wide range of filter types are grouped together and accessible from ground level. This level of access makes daily checks and change outs quicker and easier, leading to more productivity. Easier access during service is also safer, with less awkward reaching and climbing around the machine.



Access

Large opening service compartment doors provide faster, safer service access. Service points are grouped and as close to ground level as possible. This helps avoid climbing to heights or working from the superstructure. Reducing service time helps to increase uptime.

360 DEGREES OF ACTION.

Attachment Management
Store up to 18 different password-protected attachment presets.

Working Modes
Four working modes to select the right mode and efficiency for the application at hand.

Productivity
From mass excavation and loading to piping and construction, you have the power and speed to do it all.

Boom Float
Lowers using only gravity, for more hydraulic flow availability and faster dig speed.

Tractive force
Travel on inclines or difficult terrain with excellent speed and tractive force.

Durability
Built to outlast. Built for your work, through and through.

Care cab
The roomy Volvo cab has it all: clear visibility, ergonomic comfort and perfectly-placed controls.

ROPS Safety
More operator safety and peace-of-mind when operating.

Technoloy
Designed with intelligence to help you do a variety of tasks, from heavy to fine, with a wide range of tools.

Volvo Power
Dependable power with high torque at low RPM, along with low fuel consumption, emissions and noise.

Serviceability
Fast, easy service from grouped, ground-level access.

Fuel efficiency
Superior fuel efficiency from Volvo's D8H Tier 4 Interim/Stage IIIB engine and unique ECO mode – which contributes to up to 5% of the machine's total increased fuel efficiency.

TOP PERFORMANCE DESERVES SUPPORT.

The day you receive your new Volvo Excavator is just the start of your working relationship with Volvo. From service and maintenance to our CareTrack telematics system – Volvo has a comprehensive and sophisticated aftermarket portfolio to continuously add value to your business.

Volvo designed and built your machines, so no-one knows how to keep them working in top condition more than us. When it comes to your machine, our Volvo trained technicians are the experts.

Our technicians work with industry leading diagnostic tools and techniques, using only Genuine Volvo Parts to deliver the highest levels of quality and service. Talk to your Volvo dealer about how genuine Volvo services can best provide the service and maintenance plan that is the right fit for you and your business.

State-of-the-art machines require state-of-the-art support and your Volvo dealer can provide a catalogue of services designed to get the most out of your machine, helping you maximise uptime, productivity and residual value. Your Volvo dealer can provide a number of sophisticated support offers, including:

Service plans ranging from routine wear inspections, through to comprehensive maintenance and repair agreements.

Analysis and diagnostics to help you understand how your machine is running, highlight potential maintenance issues and identify where performance can be improved.

Eco Operator training courses can help your operators work towards a safer, more productive and fuel efficient performance.

CareTrack*

Each Volvo Excavator comes standard equipped with CareTrack, the Volvo telematics system. CareTrack provides information for better planning and smarter working; including fuel consumption reports, location reports and service reminders. Save fuel. Reduce costs. Maximise profitability. You can with CareTrack.

*In markets where CareTrack is available

VOLVO EC250D, EC300D IN DETAIL.

Engine

The latest generation, Volvo engine Tier 4i (Stage IIIB) emissions compliant diesel engine fully meets the demands of the latest, emsissions regulations. It is designed to deliver superior performance and fuel efficiency. The engine uses precise, highpressure fuel injectors, waste gate turbo charger and air-to-air intercooler, and electronic engine controls to optimize machine performance.
Air Filter: 3-stage with precleaner.
Automatic Idling System: Reduces engine speed to idle when the levers and pedals are not activated resulting in less fuel consumption and low cab noise levels.

EC250D		
Engine Tier 4i (Stage IIIB)	Volvo	D8H
Max power at	r/s / r/min	30 / 1 800
Net, ISO 9249/SAE J1349	kW / hp	151 / 202
Gross, ISO 14396/SAE J1995	kW / hp	152 / 204
Max torque at	Nm / r/min	1 012 / 1 350
	lb.ft	746
No. of cylinders		6
Displacement	l / cu.in	7.8 / 476
Bore	mm / "	110 / 4.33
Stroke	mm / "	136 / 5.35

EC300D		
Engine Tier 4i (Stage IIIB)	Volvo	D8H
Max power at	r/s / r/min	30 / 1 800
Net, ISO 9249/SAE J1349	kW / hp	169 / 227
Gross, ISO 14396/SAE J1995	kW / hp	170 / 228
Max torque at	Nm / r/min	1 139 / 1 350
	lb.ft	840
No. of cylinders		6
Displacement	l / cu.in	7.8 / 476
Bore	mm / "	110 / 4.33
Stroke	mm / "	136 / 5.35

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.
Contronics provides advanced monitoring of machine functions and important diagnostic information on the I-ECU.

		EC250D	**EC300D**
Voltage	V	24	24
Batteries	V	2 x 12	2 x 12
Battery capacity	Ah	200	200
Alternator	V / Ah	28 / 110	28 / 110
Service refill capacities			
Fuel tank	l / gal	470 / 124	470 / 124
Hydraulic system, total	l / gal	400 / 106	400 / 106
Hydraulic tank	l / gal	195 / 52	195 / 52
Engine oil	l / gal	32 / 8.5	32 / 8.5
Engine coolant	l / gal	41 /10.8	41 /10.8
Swing reduction unit	l / gal	5.9 / 1.6	6 / 1.6
Travel reduction unit	l / gal	2x5.0 / 2x1.3	2x6.8 / 2x1.8

Swing system

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

Max. slew speed	r/min	11.9	10.7
Max. slew torque	kNm	91.6	110.6
	lb.ft	67,560	81,570

Drive

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

Max. drawbar pull	kN	217	248
	lb	48,790	55,760
Max. travel speed	km/h	3.5/5.5	3.4/5.4
	mph	2.2/3.4	2.1/3.4
Gradeability	°	35	35

Undercarriage

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

Track pads		2 x 51	2 x 50
Link pitch	mm	190	203
	in	7.5	8.0
Shoe width, triple grouser	mm	600 / 700 / 800 / 900	
	in	24 / 28 / 32 / 36	
Shoe width, double grouser	mm	700	700
	in	28	28
Bottom rollers		2 x 9	2 x 9
Top rollers		2 x 2	2 x 2

Hydraulic system

The hydraulic system, also known as the "Automatic Sensing Work Mode," is designed for high-productivity, high-digging capacity, high-maneuvering precision and excellent fuel economy. The summation system, boom, arm and swing priority along with boom, arm and bucket regeneration provides optimum performance.
The following important functions are included in the system:
Summation system: Combines the flow of both hydraulic pumps to ensure quick cycle times and high productivity.
Boom priority: Gives priority to the boom operation for faster raising when loading or performing deep excavations.
Arm priority: Gives priority to the arm operation for faster cycle times in leveling and for increased bucket filling when digging.
Swing priority: Gives priority to swing functions for faster simultaneous operations.
Regeneration system: Prevents cavitation and provides flow to other movements during simultaneous operations for maximum productivity.
Power boost: All digging and lifting forces are increased.
Holding valves: Boom and arm holding valves prevent the digging equipment from creeping.

		EC250D	EC300D
Main pump, Type 2 x variable displacement axial piston pumps			
Maximum flow	l/min	2 x 240	2 x 263
	gpm	2 x 63	2 x 69
Pilot pump, Type Gear pump			
Maximum flow	l/min	18	18
	gpm	4.8	4.8

Hydraulic motors

		EC250D	EC300D
Travel: Variable displacement axial piston motor with mechanical brake			
Slew: Fixed displacement axial piston motor with mechanical brake			
Relief valve setting			
Implement	MPa	33.3/36.3	33.3/36.3
	psi	4,840/5,260	4,840/5,260
Travel circuit	MPa	36.3	36.3
	psi	5,260	5,260
Slew circuit	MPa	27.9	27.9
	psi	4,050	4,050
Pilot circuit	MPa	3.9	3.9
	psi	570	570

Hydraulic cylinders

		EC250D	EC300D
Mono boom		2	2
Bore x Stroke	ø x mm	135 x 1 345	140 x 1 480
	ø x in	5.3 x 53	5.5 x 58.3
Arm		1	1
Bore x Stroke	ø x mm	140 x 1 665	150 x 1 745
	ø x in	5.5 x 65.6	5.9 x 68.7
Bucket		1	1
Bore x Stroke	ø x mm	130 x 1 150	140 x 1 140
	ø x in	5.1 x 45.3	5.5 x 44.9
Bucket for LR boom		1	1
Bore x Stroke	ø x mm	100 x 865	100 x 865
	ø x in	3.9 x 34.1	3.9 x 34.1

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

		EC250D	EC300D
Sound level in cab according to ISO 6396			
LpA (standard)	dB(A)	70	70
LpA (tropical)	dB(A)	71	71
External sound level according to ISO 6395 and EU Noise Directive (2000/14/EC) and 474-1:2006 +A1:2009			
LwA (standard)	dB(A)	103	104
LwA (tropical)	dB(A)	104	105

SPECIFICATIONS.

VOLVO BUCKETS

Loose soil, re-handling material or abrasive rock; excavators and attachments work hand in hand to move almost any type of material. Volvo's experience togehter with excavator and attachment technology ensures a reduction in cycle times, increased productivity and lower fuel costs through higher breakout forces and quicker bucket fill times.

The efficiency of any type of excavation depends upon the selection of the right bucket therefore a broad bucket offering available from the same retailer as your excavator means the machine can be easily adjusted to operate in any conditions.

As the techonology and experience in design for both Volvo's attachments and excavators stems from the same origin, availing from another service like Volvo's aftermarket support ensures the machine is running harder for longer.

(GP) General purpose bucket

Designed for digging and re-handling soft to medium materials e.g. soils with low wear characteristics. the GP bucket has anti-abrasive side cutters, a hardened lip plate and self-sharpening bucket teeth.

(HD) Heavy-duty bucket

Intended for digging in dense materials such as hard packed clay and gravel. The HD bucket has heavier overall fabrication with a thicker side cutting edge and hardened plating on all critical ground-engaging areas.

(RK) Rock bucket

Together with harder and thicker plating on all critical leading edges the rock bucket provides digging performance in soils with a high degree of rock content and well blasted rock. On the EC700B the option of a D-edge is available, for ease of penetration when rock handling.

(ES) Extreme service bucket

Available for the EC700 and provides additional wear protection for use in high impact or wearing applications. Inner protection and D edge as standard.

(FD) Fixed ditching bucket

A wide face, round profile and drain holes make the FD bucket ideal for ditch cleaning or removal of other soft material. An inner stiffener and optional bolt-on cutting edge bolster performance.

VOLVO TOOTH SYSTEM

LOCKING DEVICE | GPE | AMRE | PPE | SNE | TPE | Wear Cap & BL Adapter

Self-Sharpening Tooth System Cuts Through the Toughest Jobs

Volvo perfects the excavator bucket's point of attack with a robust tooth system that delivers performance and long life. Cast and tempered from a high-strength alloy, Volvo teeth resist stress and deliver optimum penetration in hard or abrasive material. An innovative design lessens internal wear between tooth and adapter — and makes it easy to change teeth.

LOCKING DEVICE
Patented vertical locking device. The steel pin with flexible lock retainer tightly secures the tooth to the adapter. Smart design transfers working stresses away from the locking device, saving wear on the steel pin and extending pin life. Self-sharpening Volvo teeth are designed for a small penetration area, which reduces stress and wear at the point of contact.

GPE
Self-sharpening general-purpose tooth with good penetration and long service life.

AMRE
Self-sharpening tooth resists wear in rock and other abrasive materials.

PPE
Pick-point excavator tooth delivers maximum penetration in hard clay or frozen ground.

SNE
Spade nose tooth is designed for finishing work such as leveling, grading, cleaning & backfilling.

TPE
Twin pick point with sharp, dual-point profile is ideal for compact or frozen ground.

Wear Cap & BL Adapter
The wear cap protects the adapter from unnecessary wear.
BL: 11/2 bottom leg adapter for welding to both sides of the cutting edge

SPECIFICATIONS.

MAXIMUM PERMITTED BUCKETS

For direct fit buckets		EC250DL									
Boom	m	6.0 GP						6.0 HD			
	in	19'8"						19'8"			
Arm	m	H2.5		G2.97		G3.6		H2.5		H2.97	
	in	8'2"		9'9"		11'10"		8'2"		9'9"	
Max, bucket		liter	yd^3	liter	yd^3	liter	yd^3	liter	yd^3	liter	yd^3
GP bucket 1.5 t/m3 (2,530 lb/yd3)		1 850	2.42	1 650	2.16	1 450	1.90	1 825	2.39	1 700	2.22
GP bucket 1.8 t/m3 (3,030 lb/yd3)		1 625	2.13	1 450	1.90	1 300	1.70	1 600	2.09	1 500	1.96
HD bucket 1.8 t/m3 (3,030 lb/yd3)		1 550	2.03	1 375	1.80	1 225	1.60	1 525	1.99	1 425	1.86
HD bucket 2.0 t/m3 (3,370 lb/yd3)		1 450	1.90	1 300	1.70	1 150	1.50	1 425	1.86	1 325	1.73

For S quick fit buckets		EC250DL									
Boom	m	6.0 GP						6.0 HD			
	in	19'8"						19'8"			
Arm	m	H2.5		G2.97		G3.6		H2.5		H2.97	
	in	8'2"		9'9"		11'10"		8'2"		9'9"	
Max. bucket		liter	yd^3	liter	yd^3	liter	yd^3	liter	yd^3	liter	yd^3
GP bucket 1.5 t/m3 (2,530 lb/yd3)		1 700	2.22	1 525	1.99	1 325	1.73	1 700	2.22	1 575	2.22
GP bucket 1.8 t/m3 (3,030 lb/yd3)		1 500	1.96	1 350	1.77	1 175	1.54	1 500	1.96	1 400	1.96
HD bucket 1.8 t/m3 (3,030 lb/yd3)		1 425	1.86	1 275	1.67	1 125	1.47	1 425	1.86	1 325	1.86
HD bucket 2.0 t/m3 (3,370 lb/yd3)		1 325	1.73	1 200	1.57	1 050	1.37	1 325	1.73	1 225	1.73

For U quick fit buckets		EC250DL									
Boom	m	6.0 GP						6.0 HD			
	in	19'8"						19'8"			
Arm	m	H2.5		G2.97		G3.6		H2.5		H2.97	
	in	8'2"		9'9"		11'10"		8'2"		9'9"	
Max. bucket		liter	yd^3	liter	yd^3	liter	yd^3	liter	yd^3	liter	yd^3
GP bucket 1.5 t/m3 (2,530 lb/yd3)		1 600	2.09	1 450	1.90	1 250	1.64	1 600	2.09	1 475	1.93
GP bucket 1.8 t/m3 (3,030 lb/yd3)		1 425	1.86	1 275	1.67	1 100	1.44	1 425	1.86	1 300	1.70
HD bucket 1.8 t/m3 (3,030 lb/yd3)		1 350	1.77	1 200	1.57	1 050	1.37	1 350	1.77	1 250	1.64
HD bucket 2.0 t/m3 (3,370 lb/yd3)		1 250	1.64	1 125	1.47	975	1.28	1 250	1.64	1 150	1.50

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,

MAXIMUM PERMITTED BUCKETS

For direct fit buckets		EC300DL									
Boom	m	6.2 GP						6.2 HD			
	in	20'4"						20'4"			
Arm	m	H2.55		G3.05		G3.7		H2.55		H3.05	
	in	8'4"		10'0"		12'2"		8'4"		10'0"	
Max. bucket		liter	yd^3	liter	yd^3	liter	yd^3	liter	yd^3	liter	yd^3
GP bucket 1.5 t/m3 (2,530 lb/yd3)		1 950	2.55	1 775	2.32	1 575	2.06	1 925	2.52	1 700	2.22
GP bucket 1.8 t/m3 (3,030 lb/yd3)		1 725	2.26	1 575	2.06	1 400	1.83	1 700	2.22	1 525	1.99
HD bucket 1.8 t/m3 (3,030 lb/yd3)		1 625	2.13	1 500	1.96	1 325	1.73	1 625	2.13	1 425	1.86
HD bucket 2.0 t/m3 (3,370 lb/yd3)		1 525	1.99	1 400	1.83	1 250	1.64	1 500	1.96	1 350	1.77

For S quick fit buckets		EC300DL									
Boom	m	6.2 GP						6.2 HD			
	in	20'4"						20'4"			
Arm	m	H2.55		G3.05		G3.7		H2.55		H3.05	
	in	8'4"		10'0"		12'2"		8'4"		10'0"	
Max. bucket		liter	yd^3	liter	yd^3	liter	yd^3	liter	yd^3	liter	yd^3
GP bucket 1.5 t/m3 (2,530 lb/yd3)		1 825	2.39	1 650	2.16	1 475	1.93	1 800	2.35	1 600	2.09
GP bucket 1.8 t/m3 (3,030 lb/yd3)		1 625	2.13	1 475	1.93	1 300	1.70	1 600	2.09	1 400	1.83
HD bucket 1.8 t/m3 (3,030 lb/yd3)		1 525	1.99	1 400	1.83	1 225	1.60	1 525	1.99	1 325	1.73
HD bucket 2.0 t/m3 (3,370 lb/yd3)		1 425	1.86	1 300	1.70	1 150	1.50	1 400	1.83	1 250	1.64

For U quick fit buckets		EC300DL									
Boom	m	6.2 GP						6.2 HD			
	in	20'4"						20'4"			
Arm	m	H2.55		G3.05		G3.7		H2.55		H3.05	
	in	8'4"		10'0"		12'2"		8'4"		10'0"	
Max. bucket		liter	yd^3	liter	yd^3	liter	yd^3	liter	yd^3	liter	yd^3
GP bucket 1.5 t/m3 (2,530 lb/yd3)		1 725	2.26	1 575	2.06	1 375	1.80	1 725	2.26	1 500	1.96
GP bucket 1.8 t/m3 (3,030 lb/yd3)		1 550	2.03	1 400	1.83	1 225	1.60	1 525	1.99	1 325	1.73
HD bucket 1.8 t/m3 (3,030 lb/yd3)		1 450	1.90	1 325	1.73	1 150	1.50	1 450	1.90	1 250	1.64
HD bucket 2.0 t/m3 (3,370 lb/yd3)		1 350	1.77	1 225	1.60	1 075	1.41	1 350	1.77	1 175	1.54

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,

SPECIFICATIONS.

GROUND PRESSURE

	EC250D													
Description	**Shoe width**		**Operating weight**		**Ground pressure**		**Overall width**		**Operating weight**		**Ground pressure**		**Overall width**	
	mm	in	kg	lb	kPa	psi	mm	in	kg	lb	kPa	psi	mm	in
Triple grouser	600	24	25 485	56,190	51.4	7.5	3 190	10'6"	25 335	55,860	51.1	7.4	3 190	10'6"
	700	28	25 779	56,840	44.5	6.5	3 290	10'10"	25 629	56,510	44.3	6.4	3 290	10'10"
	800	32	26 074	57,490	39.4	5.7	3 390	11'1"	25 924	57,160	39.2	5.7	3 390	11'1"
	900	36	26 369	58,140	35.4	5.1	3 490	11'5"	26 219	57,810	35.2	5.1	3 490	11'5"
Double grouser	700	28	26 055	57,450	44.9	6.5	3 290	10'10"	25 905	57,120	44.7	6.5	3 290	10'10"
			EC250D with L undercarriage, 6.0 m (19'8") HD boom, 2.97 m (9'9") HD arm, 958 kg (2,110 lb) bucket, 4 950 kg (10,910 lb) counterweight						EC250D with L undercarriage, 6,0 m (19'8") boom, 2.97 m (9'9") arm, 958 kg (2,110 lb) bucket, 4 950 kg (10,910 lb) counterweight					

	EC250D													
Triple grouser	600	24	24 785	54,650	50	7.3	3 190	10'6"	24 635	54,320	49.7	7.2	3 190	10'6"
	700	28	25 079	55,300	43.3	6.3	3 290	10'10"	24 929	54,970	43.1	6.3	3 290	10'10"
	800	32	25 374	55,950	38.4	5.6	3 390	11'1"	25 224	55,620	38.1	5.5	3 390	11'1"
	900	36	25 669	56,600	34.5	5.0	3 490	11'5"	25 519	56,270	34.3	5.0	3 490	11'5"
Double grouser	700	28	25 355	55,910	43.7	6.3	3 290	10'10"	25 205	55,580	43.5	6.3	3 290	10'10"
			EC250D with L undercarriage, 6.0 m (19'8") HD boom, 2.97 m (9'9") HD arm, 958 kg (2110 lb) bucket, 4 250 kg (9,370 lb) counterweight						EC250D with L undercarriage, 6.0 m (19'8") boom, 2.97 m (9'9") arm, 958 kg (2,110 lb) bucket, 4 250 kg (9,370 lb) counterweight					

	EC250D							
Triple grouser	600	24	27 136	59,830	54.7	7.9	3 190	10'6"
	800	32	27 725	61,130	41.9	6.1	3 290	10'10"
	900	36	28 020	61,780	37.6	5.5	3 390	11'1"
			EC250D with LR undercarriage, 10.2 m (33'6") LR boom, 7.85 m (25'9") LR arm, 454 kg (1,000 lb) bucket, 6 200 kg (13,670 lb) counterweight					

GROUND PRESSURE

		EC300D													
Description		**Shoe width**		**Operating weight**		**Ground pressure**		**Overall width**		**Operating weight**		**Ground pressure**		**Overall width**	
		mm	in	kg	lb	kPa	psi	mm	in	kg	lb	kPa	psi	mm	in
		600	24	30 502	67,260	58.8	8.5	3 190	10'6"	30 202	66,600	58.3	8.5	3 190	10'6"
	HD	600	24	30 702	67,700	59.2	8.6	3 190	10'6"	30 402	67,040	58.7	8.5	3 190	10'6"
Triple grouser		700	28	31 262	68,930	51.7	7.5	3 290	10'10"	30 962	68,270	51.2	7.4	3 290	10'10"
		800	32	32 192	70,980	46.6	6.8	3 390	11'1"	31 892	70,320	46.1	6.7	3 390	11'1"
		900	36	33 492	73,850	43.1	6.3	3 490	11'5"	33 192	73,190	42.7	6.2	3 490	11'5"
Double grouser		700	28	34 206	75,420	56.5	8.2	3 290	10'10"	33 906	74,760	56	8.1	3 290	10'10"
				EC300D with L undercarriage, 6.2 m HD (20'4") boom, 3.05 m (10'0") HD arm, 1 166 kg (2,570 lb) bucket, 5 500 kg (12,130 lb) counterweight						EC300D with L undercarriage, 6.2 m (20'4") boom, 3.05 m (10'0") arm, 1 166 kg (2,570 lb) bucket, 5 500 kg (12,130 lb) counterweight					

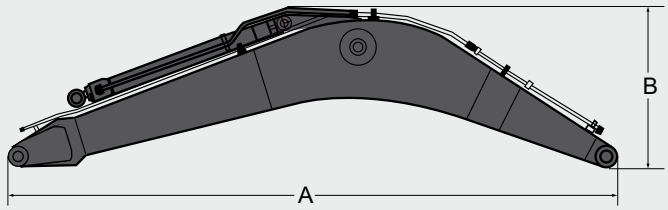
		EC300D													
		600	24	30 102	66,370	58.4	8.5	3 190	10'6"	29 802	65,710	57.5	8.3	3 190	10'6"
	HD	600	24	30 302	66,820	58.4	8.5	3 190	10'6"	30 002	66,150	57.9	8.4	3 190	10'6"
Triple grouser		700	28	30 862	68,050	51	7.4	3 290	10'10"	30 562	67,390	50.5	7.3	3 290	10'10"
		800	32	31 792	70,100	45.2	6.6	3 390	11'1"	31 492	69,440	45.6	6.6	3 390	11'1"
		900	36	33 092	72,970	40.6	5.9	3 490	11'5"	32 792	72,310	42.2	6.1	3 490	11'5"
Double grouser		700	28	33 806	74,540	51.1	7.4	3 290	10'10"	33 506	73,880	55.4	8.0	3 290	10'10"
				EC300D with L undercarriage, 6.2 m (20'4") HD boom, 3.05 m (10'0") HD arm, 1 166 kg (2,570 lb) bucket, 5 100 kg (11,250 lb) counterweight						EC300D with L undercarriage, 6.2 m (20'4") boom, 3.05 m (10'0") arm, 1 166 kg (2,570 lb) bucket, 5 100 kg (11,250 lb) counterweight					

		EC300D							
		600	24	32,032	70 630	58.4	8.5	3 190	10'6"
	HD	600	24	32,232	71 070	51	7.4	3 290	10'10"
Triple grouser		800	32	32,962	72 680	45.2	6.6	3 390	11'1"
		900	36	33,332	73 500	40.6	5.9	3 490	11'5"
				EC300D with LR undercarriage, 10.2 m (33'6") LR boom, 7.9 m (25'11") LR arm, 473 kg (1,040 lb) bucket, 6 800 kg (14,990 lb) counterweight					

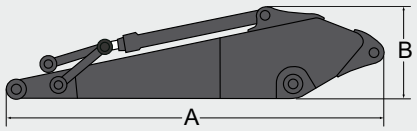
SPECIFICATIONS.

DIMENSIONS

Boom



Arm



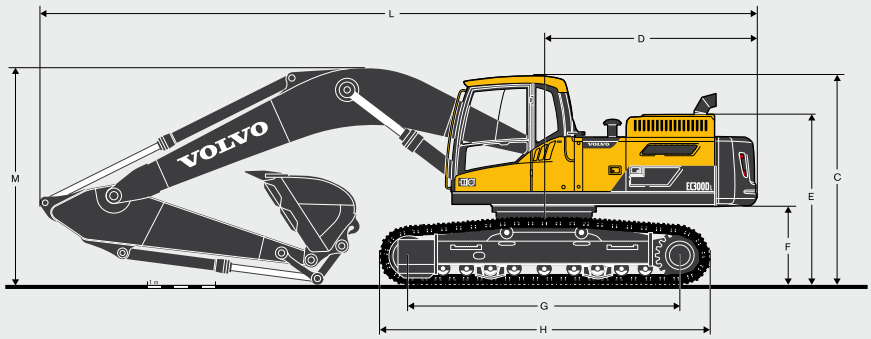
		EC250D				EC300D			
Description	Unit	mono	mono	2-piece	Long-Reach	mono	mono	2-piece	Long-Reach
Boom	m	6.0 GP	6.0 HD	5.95	10.2	6.2 GP	6.2 HD	6.2	10.2
	in	19'8"	19'8"	19'6"	33'6"	20'4"	20'4"	20'4"	33'6"
Length	mm	6 210	6 210	6 160	10 410	6 430	6 430	6 430	10 430
	in	20'4"	20'4"	20'3"	34'2"	21'1"	21'1"	21'1"	34'3"
Height	mm	1 630	1 630	1 100	1 525	1 680	1 680	1 590	1 620
	in	5'4"	5'4"	3'7"	5'0"	5'6"	5'6"	5'3"	5'4"
Width	mm	740	740	740	740	770	770	770	770
	in	2'5"	2'5"	2'5"	2'5"	2'6"	2'6"	2'6"	2'6"
Weight	kg	2 178	2 293	2 729	2 900	2 735	2 935	3 691	3 681
	lb	4,800	5,060	6,020	6,390	6,030	6,470	8,140	8,120

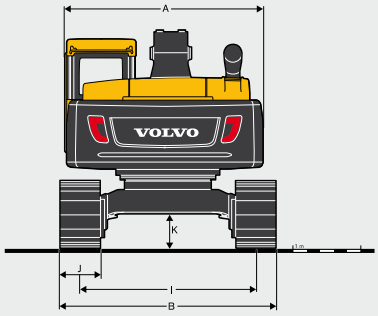
* Includes cylinder, piping and pin, excludes boom cylinder pin

		EC250D					EC300D				
Description	Unit										
Arm	m	2.5 HD	2.97 GP	2.97 HD	3.6 GP	7.85 LR	2.55 HD	3.05 GP	3.05 HD	3.7 GP	7.9 LR
	in	8'2"	9'9"	9'9"	11'10"	25'9"	8'4"	10'0"	10'0"	12'2"	25'11"
Length	mm	3 590	4 060	4 060	4 730	9 000	3 710	4 150	4 150	4 800	9 050
	in	11'9"	13'4"	13'4"	15'6"	29'6"	12'2"	13'7"	13'7"	15'9"	29'8"
Height	mm	1 000	1 000	1 000	1 000	900	1 010	1 010	1 010	1 050	1 050
	in	3'3"	3'3"	3'3"	3'3"	2'11"	3'4"	3'4"	3'4"	3'5"	3'5"
Width	mm	500	500	500	500	480	545	545	545	545	450
	in	1'8"	1'8"	1'8"	1'8"	1'7"	1'9"	1'9"	1'9"	1'9"	1'6"
Weight	kg	1 350	1 383	1 420	1 476	1 719	1 753	1 830	1 930	1 977	1 908
	lb	2,980	3,050	3,130	3,250	3,790	3,870	4,040	4,260	4,360	4,210

* Includes cylinder, linkage and pin

DIMENSIONS





Description	Unit	EC250DL						EC250DLR	
Boom	m, ft-in	6, 19'8" mono or 5.95, 19'6" 2-piece						10.2, 33'6"	
Arm	m, ft-in	2.5	8'2"	2.97	9'9"	3.6	11'10"	7.85	25'9"
A. Overall width of upper structure	mm, ft-in	2 890	9'6"	2 890	9'6"	2 890	9'6"	2 890	9'6"
B. Overall width	mm, ft-in	3 190	10'6"	3 190	10'6"	3 190	10'6"	3 190	10'6"
C. Overall height of cab	mm, ft-in	2 990	9'10"	2 990	9'10"	2 990	9'10"	2 990	9'10"
D. Tail slew radius	mm, ft-in	3 074	10'1"	3 074	10'1"	3 074	10'1"	3 154	10'4"
E. Overall height of engine hood	mm, ft-in	2 431	8'	2 431	8'	2 431	8'	2 431	8'
F. Counterweight clearance *	mm, ft-in	1 080	3'7"	1 080	3'7"	1 080	3'7"	1 080	3'7"
G. Tumbler length	mm, ft-in	3 850	12'8"	3 850	12'8"	3 850	12'8"	3 850	12'8"
H. Track length	mm, ft-in	4 650	15'3"	4 650	15'3"	4 650	15'3"	4 650	15'3"
I. Track gauge	mm, ft-in	2 590	8'6"	2 590	8'6"	2 590	8'6"	2 590	8'6"
J. Shoe width	mm, ft-in	600	24"	600	24"	600	24"	600	24"
K. Min. ground clearance *	mm, ft-in	470	1'7"	470	1'7"	470	1'7"	470	1'7"
L. Overall length	mm, ft-in	10 342	33'11"	10 262	33'8"	10 328	33'11"	14 555	47'9"
L[1]. Overall length	mm, ft-in	10 289	33'9"	10 260	33'8"	10 262	33'8"	-	-
M. Overall height of boom	mm, ft-in	3 228	10'7"	3 109	10'2"	3 334	10'11"	3 085	10'1"
M[1]. Overall height of boom	mm, ft-in	3 270	10'9"	3 190	10'6"	3 410	11'2"	-	-
Description	**Unit**	**EC300DL**						**EC300DLR**	
Boom	m, ft-in	6.2, 20'4" mono or 6.2, 20'4" 2-piece						10.2, 33'6"	
Arm	m, ft-in	2.55	8'4"	3.05	10'0"	3.7	12'2"	7.9	25'11"
A. Overall width of upper structure	mm, ft-in	2 890	9'6"	2 890	9'6"	2 890	9'6"	2 890	9'6"
B. Overall width	mm, ft-in	3 190	10'6"	3 190	10'6"	3 190	10'6"	3 190	10'6"
C. Overall height of cab	mm, ft-in	3 060	10'0"	3 060	10'0"	3 060	10'0"	3 060	10'0"
D. Tail slew radius	mm, ft-in	3 120	10'3"	3 120	10'3"	3 120	10'3"	3 200	10'6"
E. Overall height of engine hood	mm, ft-in	2 490	8'2"	2 490	8'2"	2 490	8'2"	2 490	8'2"
F. Counterweight clearance *	mm, ft-in	1 135	3'9"	1 135	3'9"	1 135	3'9"	1 135	3'9"
G. Tumbler length	mm, ft-in	4 015	13'2"	4 015	13'2"	4 015	13'2"	4 015	13'2"
H. Track length	mm, ft-in	4 870	16'	4 870	16'	4 870	16'	4 870	16'
I. Track gauge	mm, ft-in	2 590	8'6"	2 590	8'6"	2 590	8'6"	2 590	8'6"
J. Shoe width	mm, ft-in	600	24"	600	24"	600	24"	600	24"
K. Min. ground clearance *	mm, ft-in	480	1'7"	480	1'7"	480	1'7"	480	1'7"
L. Overall length	mm, ft-in	10 640	34'11"	10 530	34'7"	10 570	34'8"	14 640	48'0"
L[1]. Overall length	mm, ft-in	10 635	34'11"	10 570	34'8"	10 570	34'8"	-	-
M. Overall height of boom	mm, ft-in	3 495	11'6"	3 350	11'	3 590	11'9"	3 240	10'8"
M[1]. Overall height of boom	mm, ft-in	3 360	11'0"	3 300	10'10"	3 530	11'7"	-	-

* Without shoe grouser
[1] 2-piece boom

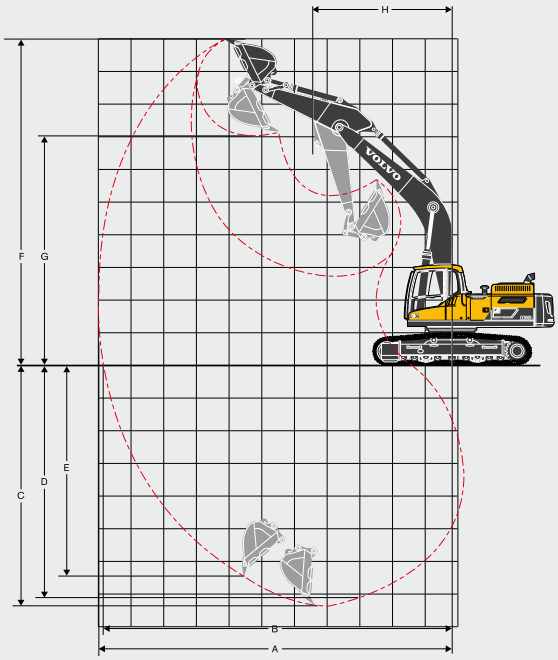
SPECIFICATIONS.

WORKING RANGES

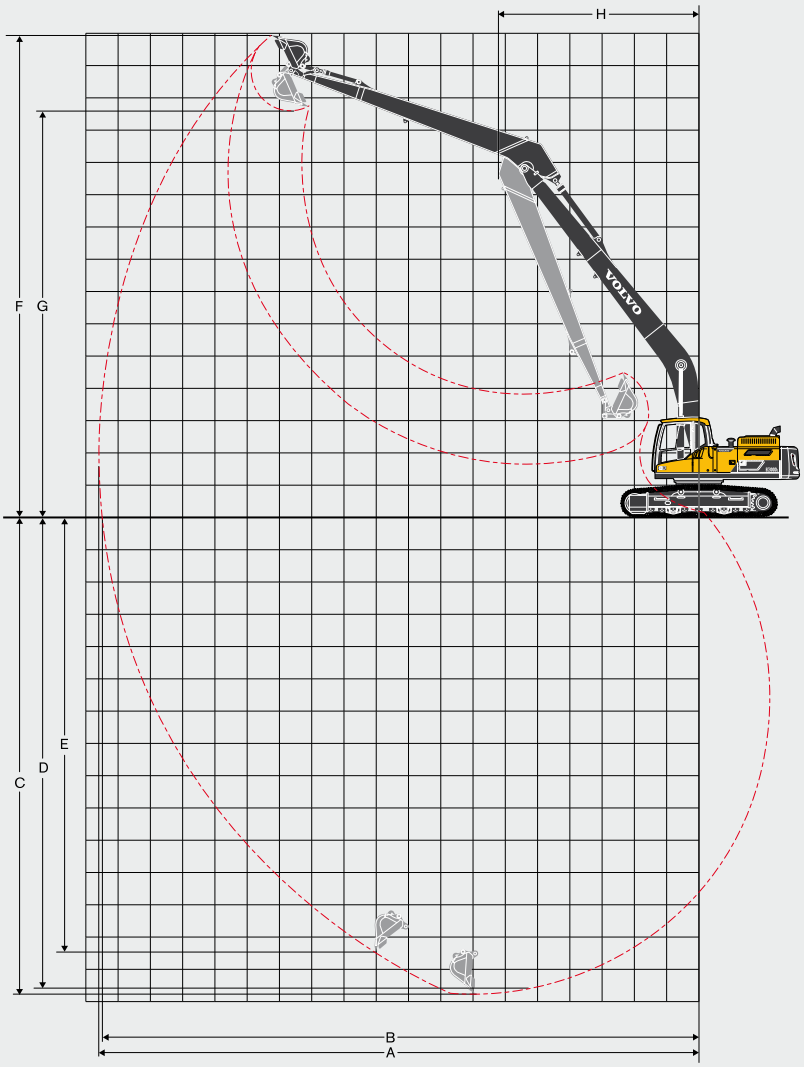
Description			Unit	EC250DL						EC250DLR	
Boom			m, ft-in	6, 19'8"						10.2, 33'6"	
Arm			m, ft-in	2.5	8'2"	2.97	9'9"	3.6	11'10"	7.85	25'9"
A. Max. digging reach			mm, ft-in	9 880	32'5"	10 260	33'8"	10 730	35'2"	18 306	60'1"
B. Max. digging reach on ground			mm, ft-in	9 690	31'9"	10 080	33'1"	10 560	34'8"	18 207	59'9"
C. Max. digging depth			mm, ft-in	6 500	21'4"	6 980	22'11"	7 600	24'11"	14 348	47'1"
D. Max. digging depth (2.44 m, 8' level)			mm, ft-in	6 280	20'7"	6 740	22'1"	7 380	24'3"	14 234	46'8"
E. Max. vertical wall digging depth			mm, ft-in	5 730	18'10"	5 970	19'7"	6 720	22'1"	12 777	41'11"
F. Max. cutting height			mm, ft-in	9 620	31'7"	9 690	31'9"	9 660	31'8"	14 887	48'10"
G. Max. dumping height			mm, ft-in	6 700	22'0"	6 800	22'4"	6 820	22'5"	12 738	41'9"
H. Min. front swing radius			mm, ft-in	3 910	12'10"	3 890	12'9"	3 890	12'9"	5 721	18'9"
Digging forces with direct fit bucket											
Bucket radius			mm, ft-in	1 537	61"	1 537	61"	1 537	61"	1 537	61"
Breakout force - bucket	Normal	SAE J1179	kN, lb	152	34,270	152	34,270	152	34,270	68.6	15,440
	Power boost	SAE J1179	kN, lb	166	37,290	166	37,290	166	37,290	-	-
	Normal	ISO 6015	kN, lb	171	38,430	171	38,430	171	38,430	77.8	17,490
	Power boost	ISO 6015	kN, lb	186	41,810	186	41,810	186	41,810	-	-
Tearout force - dipper arm	Normal	SAE J1179	kN, lb	133	29,940	115	25,890	103	23,130	44.1	9,920
	Power boost	SAE J1179	kN, lb	145	32,590	125	28,180	112	25,170	-	-
	Normal	ISO 6015	kN, lb	137	30,850	118	26,550	105	23,640	44.7	10,050
	Power boost	ISO 6015	kN, lb	149	33,560	129	28,890	114	25,720	-	-
Rotation angle, bucket			°	178		178		178		178	

Description			Unit	EC300DL						EC300DLR	
Boom			m, ft-in	6.2, 20'4"						10.2, 33'6"	
Arm			m, ft-in	2.55	8'4"	3.05	10'0"	3.7	12'2"	7.9	25'11"
A. Max. digging reach			mm, ft-in	10 188	33'5"	10 716	35'2"	11 322	37'2"	18 593	61'0"
B. Max. digging reach on ground			mm, ft-in	9 981	32'9"	10 520	34'6"	11 137	36'6"	18 481	60'8"
C. Max. digging depth			mm, ft-in	6 847	22'6"	7 347	24'1"	7 997	26'3"	14 754	48'5"
D. Max. digging depth (2.44 m, 8' level)			mm, ft-in	6 606	21'8"	7 160	23'6"	7 837	25'9"	14 650	48'1"
E. Max. vertical wall digging depth			mm, ft-in	5 726	18'9"	6 480	21'3"	7 094	23'3"	13 493	44'3"
F. Max. cutting height			mm, ft-in	9 662	31'8"	10 079	33'1"	10 363	33'12"	14 938	49'0"
G. Max. dumping height			mm, ft-in	6 671	21'11"	7 037	23'1"	7 324	24'0"	12 604	41'4"
H. Min. front swing radius			mm, ft-in	4 220	13'10"	4 180	13'9"	4 240	13'11"	6 190	20'4"
Digging forces with direct fit bucket											
Bucket radius			mm, ft-in	1 600	63"	1 600	63"	1 600	63"	1 600	63"
Breakout force - bucket	Normal	SAE J1179	kN, lb	168	37,660	168	37,660	168	37,660	69.1	15,520
	Power boost	SAE J1179	kN, lb	182	40,970	182	40,970	182	40,970	-	-
	Normal	ISO 6015	kN, lb	188	42,250	188	42,250	188	42,250	80.3	18,060
	Power boost	ISO 6015	kN, lb	205	45,970	205	45,970	205	45,970	-	-
Tearout force - dipper arm	Normal	SAE J1179	kN, lb	157	35,210	132	29,570	115	25,890	51.3	11,530
	Power boost	SAE J1179	kN, lb	170	38,320	143	32,170	125	28,180	-	-
	Normal	ISO 6015	kN, lb	161	36,250	135	30,300	118	26,420	51.8	11,640
	Power boost	ISO 6015	kN, lb	176	39,450	147	32,960	128	28,750	-	-
Rotation angle, bucket			°	179		179		179		179	

WORKING RANGES



Machine with mono boom



Machine with Long-Reach boom

EXPLANATION OF LIFTING CAPACITY TABLES

Example: • EC300DL

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.

	Lifting hook related to ground level		Along undercarriage 1.5 m	Across undercarriage 1.5 m	Along undercarriage 3.0 m	Across undercarriage 3.0 m	Along undercarriage 4.5 m	Across undercarriage 4.5 m	Along undercarriage 6.0 m	Across undercarriage 6.0 m	Along undercarriage 7.5 m	Across undercarriage 7.5 m	Along undercarriage 9.0 m	Across undercarriage 9.0 m	Along undercarriage Max. reach	Across undercarriage Max. reach	Max. mm
Boom: 6.2m	4.5 m	kg	-	-	-	-	-	-	*7420	*7420	*6810	5610	*6410	4080	*4750	3780	9.4
Arm: 3.7m	3.0 m	kg	-	-	-	-	*11690	*11690	*8950	7550	*7620	5340	6280	3950	*4880	3500	9.7
Shoe: 600mm	1.5 m	kg	-	-	-	-	*14520	10710	*10460	7040	8150	5060	6120	3810	*5190	3380	9.7
CWT: 5500kg	0 m	kg	-	-	*6750	*6750	*16180	10140	11170	6680	7900	4850	6000	3700	5560	3430	9.5
	-1.5 m	kg	*6940	*6940	*10970	*10970	*16650	9920	10940	6480	7760	4720	5950	3660	5940	3650	9.1

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.

SPECIFICATIONS.

LIFTING CAPACITY EC250DL

	Lifting Point		1.5 m, 5'				3.0 m, 10'				4.5 m, 15'				6.0 m, 20'			
			Along UC		Across UC		Along UC		Across UC		Along UC		Across UC		Along UC		Across UC	
	m	ft	t	lb	t	lb	t	lb	t	lb	t	lb	t	lb	t	lb	t	lb
Boom : 6.0m, 19'8"	7.5	25'	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arm : 2.5m, 8'2"	6.0	20'	-	-	-	-	-	-	-	-	-	-	-	-	*6.8	*14990	*6.8	*14990
Shoe : 800mm, 32"	4.5	15'	-	-	-	-	-	-	-	-	*9.2	*19880	*9.2	*19880	*7.7	*16700	7.0	15170
CWT : 4950kg, 10910lb	3.0	10'	-	-	-	-	-	-	-	-	*12.0	*25680	10.2	21980	*8.9	*19280	6.7	14490
	1.5	5'	-	-	-	-	-	-	-	-	*14.1	*30330	9.6	20770	9.9	21300	6.4	13880
	0	0	-	-	-	-	-	-	-	-	*14.9	*32170	9.4	20280	9.7	20860	6.3	13490
	-1.5	-5'	-	-	-	-	*10.4	*23900	*10.4	*23900	*14.7	*31800	9.4	20230	9.6	20720	6.2	13370
	-3.0	-10'	-	-	-	-	*18.7	*40690	*18.7	*40690	*13.6	*29390	9.5	20490	9.7	20920	6.3	13540
	-4.5	-15'	-	-	-	-	*15.0	*32220	*15.0	*32220	*11.0	*23310	9.8	21190	-	-	-	-

	Lifting Point		7.5 m, 25'				9.0 m, 30'				Max. Reach					
			Along UC		Across UC		Along UC		Across UC		Along UC		Across UC		Max.	
	m	ft	t	lb	t	lb	t	lb	t	lb	t	lb	t	lb	m	ft
Boom : 6.0m, 19'8"	7.5	25'	-	-	-	-	-	-	-	-	*6.9	*15200	*6.9	*15200	6.1	19.7
Arm : 2.5m, 8'2"	6.0	20'	-	-	-	-	-	-	-	-	*6.9	*15170	5.4	11980	7.2	23.6
Shoe : 800mm, 32"	4.5	15'	*7.1	*15480	5.0	10730	-	-	-	-	6.8	14980	4.6	10140	7.9	25.9
CWT : 4950kg, 10910lb	3.0	10'	7.2	15560	4.9	10450	-	-	-	-	6.2	13730	4.2	9240	8.3	27.1
	1.5	5'	7.1	15230	4.7	10150	-	-	-	-	6.1	13350	4.1	8940	8.3	27.3
	0	0	7.0	15010	4.6	9950	-	-	-	-	6.2	13720	4.1	9140	8.1	26.6
	-1.5	-5'	-	-	-	-	-	-	-	-	6.8	15080	4.5	9990	7.6	24.9
	-3.0	-10'	-	-	-	-	-	-	-	-	8.2	18330	5.4	12030	6.7	21.9
	-4.5	-15'	-	-	-	-	-	-	-	-	*9.1	*20080	7.8	17780	5.3	16.9

	Lifting Point		1.5 m, 5'				3.0 m, 10'				4.5 m, 15'				6.0 m, 20'			
			Along UC		Across UC		Along UC		Across UC		Along UC		Across UC		Along UC		Across UC	
	m	ft	t	lb	t	lb	t	lb	t	lb	t	lb	t	lb	t	lb	t	lb
Boom : 6.0m, 19'8"	7.5	25'	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arm : 2.97m, 9'9"	6.0	20'	-	-	-	-	-	-	-	-	-	-	-	-	*6.3	*13740	*6.3	*13740
Shoe : 800mm, 32"	4.5	15'	-	-	-	-	-	-	-	-	*8.4	*18010	*8.4	*18010	*7.2	*15590	7.2	15410
CWT : 4950kg, 10910lb	3.0	10'	-	-	-	-	-	-	-	-	*11.1	*23840	10.4	22460	*8.4	*18300	6.8	14700
	1.5	5'	-	-	-	-	-	-	-	-	*13.5	*29050	9.8	21080	*9.7	*21030	6.5	14030
	0	0	-	-	-	-	-	-	-	-	*14.7	*31770	9.5	20390	9.7	20940	6.3	13560
	-1.5	-5'	*6.7	*14970	*6.7	*14970	*10.7	*24310	*10.7	*24310	*14.8	*32140	9.4	20200	9.6	20720	6.2	13360
	-3.0	-10'	*12.4	*27800	*12.4	*27800	*17.8	*40500	*17.8	40480	*14.1	*30470	9.5	20360	9.7	20800	6.2	13430
	-4.5	-15'	-	-	-	-	*16.8	*36170	*16.8	*36170	*12.1	*25860	9.7	20880	-	-	-	-

	Lifting Point		7.5 m, 25'				9.0 m, 30'				Max. Reach					
			Along UC		Across UC		Along UC		Across UC		Along UC		Across UC		Max.	
	m	ft	t	lb	t	lb	t	lb	t	lb	t	lb	t	lb	m	ft
Boom : 6.0m, 19'8"	7.5	25'	-	-	-	-	-	-	-	-	*6.1	*13530	*6.1	*13530	6.6	21.4
Arm : 2.97m, 9'9"	6.0	20'	-	-	-	-	-	-	-	-	*5.8	*12890	5.0	11060	7.7	25.0
Shoe : 800mm, 32"	4.5	15'	*6.6	*14540	5.1	10900	-	-	-	-	*5.9	*12920	4.3	9500	8.3	27.2
CWT : 4950kg, 10910lb	3.0	10'	*7.3	15700	4.9	10580	-	-	-	-	5.8	12900	3.9	8710	8.6	28.4
	1.5	5'	7.1	15320	4.7	10230	-	-	-	-	5.7	12550	3.8	8430	8.7	28.6
	0	0	7.0	15040	4.6	9980	-	-	-	-	5.8	12840	3.9	8580	8.5	27.9
	-1.5	-5'	6.9	14930	4.6	9880	-	-	-	-	6.3	13940	4.2	9260	8.0	26.3
	-3.0	-10'	-	-	-	-	-	-	-	-	7.4	16500	4.9	10880	7.2	23.4
	-4.5	-15'	-	-	-	-	-	-	-	-	*9.0	*19820	6.7	14990	5.8	18.9

	Lifting Point		1.5 m, 5'				3.0 m, 10'				4.5 m, 15'				6.0 m, 20'			
			Along UC		Across UC		Along UC		Across UC		Along UC		Across UC		Along UC		Across UC	
	m	ft	t	lb	t	lb	t	lb	t	lb	t	lb	t	lb	t	lb	t	lb
Boom : 6.0m, 19'8"	7.5	25'	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arm : 3.6m, 11'10"	6.0	20'	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Shoe : 800mm, 32"	4.5	15'	-	-	-	-	-	-	-	-	-	-	-	-	*6.4	*13920	*6.4	*13920
CWT : 4950kg, 10910lb	3.0	10'	-	-	-	-	*15.7	*33330	*15.7	*33330	*9.8	*21100	*9.8	*21100	*7.7	*16740	6.9	14920
	1.5	5'	-	-	-	-	-	-	-	-	*12.5	*26870	9.9	21380	*9.1	*19730	6.6	14140
	0	0	-	-	-	-	*7.1	*16240	*7.1	*16240	*14.1	*30590	9.5	20380	9.7	20950	6.3	13550
	-1.5	-5'	*6.9	*15300	*6.9	*15300	*10.8	*24560	*10.8	*24560	*14.7	*31950	9.3	19990	9.6	20590	6.1	13230
	-3.0	-10'	*11.1	*24850	*11.1	*24850	*16.0	*36400	*16.0	*36400	*14.4	*31250	9.3	20000	9.5	20540	6.1	13190
	-4.5	-15'	*16.4	*36980	*16.4	*36980	*18.7	*40240	*18.7	*40240	*13.0	*28100	9.5	20380	*9.6	*20650	6.2	13470
	-6.0	-20'	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

	Lifting Point		7.5 m, 25'				9.0 m, 30'				Max. Reach					
			Along UC		Across UC		Along UC		Across UC		Along UC		Across UC		Max.	
	m	ft	t	lb	t	lb	t	lb	t	lb	t	lb	t	lb	m	ft
Boom : 6.0m, 19'8"	7.5	25'	-	-	-	-	-	-	-	-	*5.1	*11260	*5.1	*11260	7.2	23.4
Arm : 3.6m, 11'10"	6.0	20'	*5.6	*12420	5.3	11300	-	-	-	-	*4.9	*10890	4.5	10060	8.2	26.8
Shoe : 800mm, 32"	4.5	15'	*6.0	*13230	5.1	11060	-	-	-	-	*5.0	*10990	4.0	8750	8.8	28.8
CWT : 4950kg, 10910lb	3.0	10'	*6.7	*14680	5.0	10680	-	-	-	-	*5.2	*11480	3.7	8060	9.1	29.9
	1.5	5'	7.1	15380	4.8	10270	5.4	11680	3.6	7840	5.3	11610	3.5	7790	9.2	30.1
	0	0	7.0	15010	4.6	9930	-	-	-	-	5.4	11810	3.6	7880	9.0	29.5
	-1.5	-5'	6.9	14810	4.5	9750	-	-	-	-	5.7	12660	3.8	8400	8.5	27.9
	-3.0	-10'	6.9	14840	4.5	9770	-	-	-	-	6.6	14590	4.3	9620	7.7	25.3
	-4.5	-15'	-	-	-	-	-	-	-	-	8.5	*19120	5.6	12480	6.5	21.2
	-6.0	-20'	-	-	-	-	-	-	-	-	-	-	-	-	-	-

LIFTING CAPACITY EC250DLR

	Lifting Point		6.0 m, 20'				7.5 m, 25'				9.0 m, 30'				10.5 m, 35'			
			Along UC		Across UC		Along UC		Across UC		Along UC		Across UC		Along UC		Across UC	
	m	ft	t	lb	t	lb	t	lb	t	lb	t	lb	t	lb	t	lb	t	lb
Boom : 10.2m, 33'6"	13.5	45'	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arm : 7.85m, 25'9"	12.0	40'	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Shoe : 800mm, 32"	10.5	35'	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CWT : 6200kg, 13670lb	9.0	30'	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	7.5	25'	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	6.0	20'	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4.5	15'	-	-	-	-	-	-	-	-	-	-	-	-	*2.9	*6390	*2.9	*6390
	3.0	10'	*5.4	*11680	*5.4	*11680	*4.4	*9420	*4.4	*9420	*3.7	*8040	*3.7	*8040	*3.3	*7130	3.1	6740
	1.5	5'	*6.6	*14300	6.4	13830	*5.1	*11050	4.7	10220	*4.2	*9130	3.7	7880	*3.6	*7890	2.9	6240
	0	0'	*7.6	*16420	5.7	12340	*5.8	*12480	4.3	9250	*4.7	*10130	3.4	7220	*4.0	*8610	2.7	5780
	-1.5	-5'	*8.3	*17860	5.3	11380	*6.3	*13590	4.0	8530	5.0	10730	3.1	6690	4.0	8640	2.5	5390
	-3.0	-10'	8.5	18380	5.0	10850	6.2	13310	3.7	8060	4.8	10330	2.9	6320	3.9	8330	2.4	5100
	-4.5	-15'	8.4	18130	4.9	10630	6.1	13030	3.6	7810	4.7	10080	2.8	6090	3.8	8130	2.3	4910
	-6.0	-20'	8.4	18110	4.9	10610	6.0	12940	3.6	7720	4.6	9970	2.8	5990	3.7	8040	2.2	4820
	-7.5	-25'	*8.4	*18150	5.0	10770	6.0	13010	3.6	7780	4.6	10000	2.8	6010	3.7	8060	2.2	4840
	-9.0	-30'	*7.9	*17040	5.1	11080	6.1	13220	3.7	7980	4.7	10150	2.8	6150	3.8	8190	2.3	4960
	-10.5	-35'	*7.1	*15300	5.3	11550	*5.8	*12380	3.8	8330	*4.8	*10200	3.0	6440	3.9	*8410	2.4	5230
	-12.0	-40'	*6.0	*12640	5.6	12240	*4.9	*10230	4.1	8870	*4.0	*8220	3.2	6920	-	-	-	-

	Lifting Point		12.0 m, 40'				13.5 m, 30'				15.0 m, 50'				16.5 m, 55'			
			Along UC		Across UC		Along UC		Across UC		Along UC		Across UC		Along UC		Across UC	
	m	ft	t	lb	t	lb	t	lb	t	lb	t	lb	t	lb	t	lb	t	lb
Boom : 10.2m, 33'6"	13.5	45'	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arm : 7.85m, 25'9"	12.0	40'	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Shoe : 800mm, 32"	10.5	35'	-	-	-	-	*1.8	*3540	*1.8	*3540	-	-	-	-	-	-	-	-
CWT : 6200kg, 13670lb	9.0	30'	-	-	-	-	*2.1	*4430	*2.1	*4430	*1.4	*2510	*1.4	*2510	-	-	-	-
	7.5	25'	*2.3	*5120	*2.3	*5120	*2.3	*5070	*2.3	4970	*1.8	*3610	*1.8	*3610	-	-	-	-
	6.0	20'	*2.5	*5500	*2.5	*5500	*2.4	*5320	2.2	4790	*2.1	*4390	1.8	3810	-	-	-	-
	4.5	15'	*2.7	*5960	2.7	5720	*2.6	*5650	2.1	4570	*2.4	*5070	1.7	3660	*1.4	*2410	1.4	*2410
	3.0	10'	*3.0	*6490	2.5	5370	*2.8	*6020	2.0	4320	2.6	5550	1.6	3490	*1.6	*2960	1.3	2810
	1.5	5'	*3.2	*7030	2.3	5020	*2.9	*6410	1.9	4070	2.5	5370	1.6	3320	*1.8	*3220	1.3	2710
	0	0'	3.5	7420	2.2	4690	2.9	6180	1.8	3840	2.4	5210	1.5	3160	*1.8	*3160	1.2	2610
	-1.5	-5'	3.3	7130	2.1	4410	2.8	5970	1.7	3640	2.4	5060	1.4	3020	-	-	-	-
	-3.0	-10'	3.2	6900	2.0	4190	2.7	5810	1.6	3480	2.3	4960	1.4	2920	-	-	-	-
	-4.5	-15'	3.1	6750	1.9	4050	2.7	5710	1.6	3390	2.3	4910	1.3	2870	-	-	-	-
	-6.0	-20'	3.1	6680	1.9	3980	2.6	5680	1.6	3360	-	-	-	-	-	-	-	-
	-7.5	-25'	3.1	6710	1.9	4010	2.7	5740	1.6	3420	-	-	-	-	-	-	-	-
	-9.0	-30'	3.2	6850	1.9	4150	-	-	-	-	-	-	-	-	-	-	-	-
	-10.5	-35'	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-12.0	-40'	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

	Lifting Point		Max. Reach					
			Along UC		Across UC		Max.	
	m	ft	t	lb	t	lb	m	ft
Boom : 10.2m, 33'6"	13,5	45'	*1.1	*2410	*1.1	*2410	12.4	40.1
Arm : 7.85m, 25'9"	12,0	40'	*1.0	*2260	*1.0	*2260	13.7	44.5
Shoe : 800mm, 32"	10,5	35'	*1.0	*2180	*1.0	*2180	14.7	47.9
CWT : 6200kg, 13670lb	9,0	30'	*1.0	*2130	*1.0	*2130	15.5	50.6
	7,5	25'	*1.0	*2130	*1.0	*2130	16.1	52.7
	6,0	20'	*1.0	*2150	*1.0	*2150	16.6	54.2
	4,5	15'	*1.0	*2210	*1.0	*2210	16.9	55.3
	3,0	10'	*1.0	*2300	*1.0	*2300	17.0	55.8
	1,5	5'	*1.1	*2420	*1.1	*2420	17.1	55.9
	0	0'	*1.2	*2590	1.2	2550	17.0	55.6
	-1,5	-5'	*1.3	*2820	1.2	2540	16.7	54.8
	-3,0	-10'	*1.4	*3120	1.2	2600	16.3	53.5
	-4,5	-15'	*1.6	*3520	1.2	2730	15.8	51.7
	-6,0	-20'	*1.8	*4100	1.3	2950	15.1	49.4
	-7,5	-25'	*2.2	*4970	1.5	3290	14.2	46.3
	-9,0	-30'	*2.8	6350	1.7	3850	13.1	42.5
	-10,5	-35'	*3.4	*7540	2.1	4790	11.6	37.6
	-12,0	-40'	*3.5	*7780	2.9	6610	9.8	31.1

SPECIFICATIONS.

LIFTING CAPACITY EC300DL

	Lifting Point		1.5 m, 5'				3.0 m, 10'				4.5 m, 15'				6.0 m, 20'			
			Along UC		Across UC		Along UC		Across UC		Along UC		Across UC		Along UC		Across UC	
	m	ft	t	lb	t	lb	t	lb	t	lb	t	lb	t	lb	t	lb	t	lb
Boom : 6.2m, 20'34"	7.5	25'	-	-	-	-	-	-	-	-	-	-	-	-	*7.6	*16930	*7.6	*16930
Arm : 2.55m, 8'4"	6.0	20'	-	-	-	-	-	-	-	-	-	-	-	-	*8.0	*17380	*8.0	*17380
Shoe : 800mm, 32"	4.5	15'	-	-	-	-	-	-	-	-	*11.3	*24160	*11.3	*24160	*9.0	*19600	8.0	17300
CWT : 5500kg, 12130lb	3.0	10'	-	-	-	-	-	-	-	-	*14.3	*30790	11.4	24730	*10.4	*22570	7.6	16340
	1.5	5'	-	-	-	-	-	-	-	-	*16.4	*35470	10.8	23210	*11.7	*25240	7.2	15510
	0	0	-	-	-	-	-	-	-	-	*17.0	*36850	10.5	22680	11.6	24870	7.0	15020
	-1.5	-5'	-	-	-	-	*12.8	*29260	*12.8	*29260	*16.6	*35940	10.5	22680	11.5	24710	6.9	14890
	-3.0	-10'	-	-	-	-	*20.6	*44720	*20.6	*44720	*15.2	*32870	10.7	23050	*11.5	*24700	7.0	15120
	-4.5	-15'	-	-	-	-	*16.3	*35060	*16.3	*35060	*12.2	*25960	11.1	23940	-	-	-	-

	Lifting Point		7.5 m, 25'				9.0 m, 30'				Max. Reach					
			Along UC		Across UC		Along UC		Across UC		Along UC		Across UC		Max.	
	m	ft	t	lb	t	lb	t	lb	t	lb	t	lb	t	lb	m	ft
Boom : 6.2m, 20'34"	7.5	25'	-	-	-	-	-	-	-	-	*7.8	*17180	7.4	16710	6.5	21.1
Arm : 2.55m, 8'4"	6.0	20'	-	-	-	-	-	-	-	-	*7.8	*17080	5.7	12740	7.6	24.6
Shoe : 800mm, 32"	4.5	15'	*8.1	*17610	5.7	12180	-	-	-	-	7.7	16970	4.9	10850	8.2	26.8
CWT : 5500kg, 12130lb	3.0	10'	8.6	18560	5.5	11740	-	-	-	-	7.1	15630	4.5	9910	8.5	27.9
	1.5	5'	8.4	18090	5.3	11320	-	-	-	-	6.9	15230	4.3	9580	8.5	28.0
	0	0	8.3	17780	5.1	11040	-	-	-	-	7.1	15690	4.5	9810	8.3	27.3
	-1.5	-5'	8.2	17740	5.1	11010	-	-	-	-	7.8	17270	4.9	10740	7.8	25.5
	-3.0	-10'	-	-	-	-	-	-	-	-	9.5	21020	5.8	12960	6.9	22.5
	-4.5	-15'	-	-	-	-	-	-	-	-	*9.8	*21600	8.4	19060	5.4	17.5

	Lifting Point		1.5 m, 5'				3.0 m, 10'				4.5 m, 15'				6.0 m, 20'			
			Along UC		Across UC		Along UC		Across UC		Along UC		Across UC		Along UC		Across UC	
	m	ft	t	lb	t	lb	t	lb	t	lb	t	lb	t	lb	t	lb	t	lb
Boom : 6.2m, 20'34"	7.5	25'	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arm : 3.05m, 10'0"	6.0	20'	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Shoe : 800mm, 32"	4.5	15'	-	-	-	-	-	-	-	-	-	-	-	-	*8.4	*18190	8.1	17550
CWT : 5500kg, 12130lb	3.0	10'	-	-	-	-	-	-	-	-	*13.3	*28490	11.7	25320	*9.9	*21330	7.7	16540
	1.5	5'	-	-	-	-	-	-	-	-	*15.8	*33970	10.9	23520	*11.2	*24300	7.2	15620
	0	0	-	-	-	-	-	-	-	-	*16.8	*36440	10.5	22680	11.6	24880	7.0	15020
	-1.5	-5'	*7.5	*16890	*7.5	*16890	*11.7	*26550	*11.7	*26550	*16.8	*36400	10.5	22500	11.4	24600	6.9	14770
	-3.0	-10'	*13.8	*31050	*13.8	*31050	*19.4	*44130	*19.4	*44130	*15.8	*34180	10.6	22730	11.5	24710	6.9	14870
	-4.5	-15'	-	-	-	-	*18.5	*39790	*18.5	*39790	*13.4	*28840	10.9	23420	*9.8	*20640	7.1	15470

	Lifting Point		7.5 m, 25'				9.0 m, 30'				Max. Reach					
			Along UC		Across UC		Along UC		Across UC		Along UC		Across UC		Max.	
	m	ft	t	lb	t	lb	t	lb	t	lb	t	lb	t	lb	m	ft
Boom : 6.2m, 20'34"	7.5	25'	-	-	-	-	-	-	-	-	*6.3	*14010	6.3	*14010	7.2	23.3
Arm : 3.05m, 10'0"	6.0	20'	*7.1	*15610	5.9	12620	-	-	-	-	*6.1	*13350	5.1	11280	8.2	26.6
Shoe : 800mm, 32"	4.5	15'	*7.6	*16490	5.7	12300	-	-	-	-	*6.0	*13300	4.4	9780	8.7	28.6
CWT : 5500kg, 12130lb	3.0	10'	*8.3	*18020	5.5	11820	-	-	-	-	*6.2	*13740	4.1	9000	9.0	29.6
	1.5	5'	8.4	18120	5.3	11340	-	-	-	-	6.3	13880	4.0	8720	9.1	29.8
	0	0	8.2	17730	5.1	10980	-	-	-	-	6.5	14230	4.0	8890	8.9	29.0
	-1.5	-5'	8.2	17570	5.0	10840	-	-	-	-	7.0	15450	4.4	9610	8.4	27.4
	-3.0	-10'	-	-	-	-	-	-	-	-	8.2	18190	5.1	11260	7.5	24.6
	-4.5	-15'	-	-	-	-	-	-	-	-	*9.2	*20240	6.8	15250	6.2	20.2

	Lifting Point		1.5 m, 5'				3.0 m, 10'				4.5 m, 15'				6.0 m, 20'			
			Along UC		Across UC		Along UC		Across UC		Along UC		Across UC		Along UC		Across UC	
	m	ft	t	lb	t	lb	t	lb	t	lb	t	lb	t	lb	t	lb	t	lb
Boom : 6.2m, 20'34"	7.5	25'	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arm : 3.7m, 12'2"	6.0	20'	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Shoe : 800mm, 32"	4.5	15'	-	-	-	-	-	-	-	-	-	-	-	-	*7.5	*16190	*7.5	*16190
CWT : 5500kg, 12130lb	3.0	10'	-	-	-	-	-	-	-	-	*11.7	*25250	*11.7	*25250	*9.0	*19470	7.8	16770
	1.5	5'	-	-	-	-	-	-	-	-	*14.6	*31510	11.1	23890	*10.5	*22790	7.3	15720
	0	0	-	-	-	-	*6.8	*15450	*6.8	*15450	*16.3	*35230	10.5	22650	11.6	24840	6.9	14950
	-1.5	-5'	*6.9	*15520	*6.9	*15520	*11.0	*24870	*11.0	*24870	*16.8	*36330	10.3	22190	11.3	24380	6.8	14550
	-3.0	-10'	*11.6	*26040	*11.6	*26040	*16.6	*37710	*16.6	*37710	*16.2	*35180	10.3	22240	11.3	24320	6.7	14500
	-4.5	-15'	*17.4	*39200	*17.4	*39200	*20.7	*44680	*20.7	*44680	*14.6	*31410	10.6	22730	*10.8	*23220	6.9	14840
	-6.0	-20'	-	-	-	-	*15.2	*32010	*15.2	*32010	*10.8	*22440	*10.8	*22440	-	-	-	-

	Lifting Point		7.5 m, 25'				9.0 m, 30'				Max. Reach					
			Along UC		Across UC		Along UC		Across UC		Along UC		Across UC		Max.	
	m	ft	t	lb	t	lb	t	lb	t	lb	t	lb	t	lb	m	ft
Boom : 6.2m, 20'34"	7.5	25'	*6.2	*13040	6.0	12910	-	-	-	-	*5.0	*10970	*5.0	*10970	8.0	25.8
Arm : 3.7m, 12'2"	6.0	20'	*6.3	*13820	6.0	12830	-	-	-	-	*4.8	*10500	4.4	9900	8.8	28.8
Shoe : 800mm, 32"	4.5	15'	*6.9	*14960	5.8	12430	*6.4	*12740	4.2	9060	*4.8	*10460	3.9	8690	9.4	30.7
CWT : 5500kg, 12130lb	3.0	10'	*7.7	*16690	5.5	11880	6.5	13960	4.1	8820	*4.9	*10760	3.6	8040	9.6	31.6
	1.5	5'	8.4	18120	5.3	11310	6.3	13650	4.0	8540	*5.2	*11420	3.5	7790	9.7	31.8
	0	0	8.2	17620	5.0	10860	6.2	13410	3.9	8310	*5.7	*12560	3.6	7890	9.5	31.1
	-1.5	-5'	8.1	17340	4.9	10610	-	-	-	-	6.2	13630	3.8	8420	9.0	29.5
	-3.0	-10'	8.1	17360	4.9	10620	-	-	-	-	7.0	15600	4.3	9620	8.3	27.0
	-4.5	-15'	-	-	-	-	-	-	-	-	*8.6	*18890	5.5	12250	7.1	23.1
	-6.0	-20'	-	-	-	-	-	-	-	-	*8.7	*19130	*8.7	*19130	5.3	16.9

LIFTING CAPACITY EC300DLR

	Lifting Point		6.0 m, 20'				7.5 m, 25'				9.0 m, 30'				10.5 m, 35'			
			Along UC		Across UC		Along UC		Across UC		Along UC		Across UC		Along UC		Across UC	
	m	ft	t	lb	t	lb	t	lb	t	lb	t	lb	t	lb	t	lb	t	lb
Boom : 10.2m, 33'6"	13,5	45'	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arm : 7.85m, 25'9"	12,0	40'	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Shoe : 800mm, 32"	10,5	35'	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CWT : 6200kg, 13670lb	9,0	30'	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	7,5	25'	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	6,0	20'	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4,5	15'	-	-	-	-	-	-	-	-	-	-	-	-	*3.6	*7920	*3.6	*7920
	3,0	10'	-	-	-	-	*5.4	*11660	*5.4	*11660	*4.6	*9950	*4.6	*9950	*4.1	*8810	3.7	7910
	1,5	5'	*8.2	*17600	7.5	16170	*6.3	*13600	5.5	11970	*5.2	*11250	4.3	9250	*4.5	*9710	3.4	7340
	0	0'	*9.3	*20070	6.7	14500	*7.1	*15290	5.0	10870	*5.7	*12420	3.9	8500	*4.9	*10560	3.2	6820
	-1,5	-5'	*10.0	*21690	6.2	13430	*7.7	*16570	4.7	10070	6.1	13220	3.7	7910	4.9	10650	3.0	6380
	-3,0	-10'	*9.9	*22540	6.0	12840	7.7	16470	4.4	9540	5.9	12760	3.5	7480	4.8	10300	2.8	6050
	-4,5	-15'	*10.4	22560	5.8	12580	7.5	16150	4.3	9250	5.8	12480	3.4	7220	4.7	10070	2.7	5840
	-6,0	-20'	*10.4	*22520	5.8	12560	7.5	16050	4.2	9160	5.7	12360	3.3	7110	4.6	9960	2.7	5740
	-7,5	-25'	*10.0	*21690	5.9	12740	7.5	16130	4.3	9230	5.7	12380	3.3	7140	4.6	9980	2.7	5750
	-9,0	-30'	*9.4	*20260	6.1	13090	*7.6	*16320	4.4	9450	5.8	12560	3.4	7300	4.7	10130	2.7	5900
	-10,5	-35'	*8.4	*18060	6.3	13620	*6.9	*14660	4.5	9840	*5.7	*12090	3.5	7620	*4.7	*9960	2.9	6200
	-12,0	-40'	*7.0	*14720	6.6	14410	*5.7	*11940	4.8	10460	*4.6	*9570	3.7	8180	-	-	-	-

	Lifting Point		12.0 m, 40'				13.5 m, 30'				15.0 m, 50'				16.5 m, 55'			
			Along UC		Across UC		Along UC		Across UC		Along UC		Across UC		Along UC		Across UC	
	m	ft	t	lb	t	lb	t	lb	t	lb	t	lb	t	lb	t	lb	t	lb
Boom : 10.2m, 33'6"	13,5	45'	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arm : 7.9m, 25'11"	12,0	40'	-	-	-	-	*1.9	*3400	*1.9	*3400	-	-	-	-	-	-	-	-
Shoe : 800mm, 32"	10,5	35'	-	-	-	-	*2.4	*5010	*2.4	*5010	-	-	-	-	-	-	-	-
CWT : 6800kg, 14990lb	9,0	30'	-	-	-	-	*2.8	*5940	*2.8	*5940	*2.0	*3920	*2.0	*3920	-	-	-	-
	7,5	25'	-	-	-	-	*2.9	*6260	2.7	5860	*2.5	*5090	2.2	4650	-	-	-	-
	6,0	20'	*3.1	*6810	*3.1	*6810	*3.0	*6570	2.6	5650	*2.9	*5970	2.1	4520	*1.7	*2820	*1.7	*2820
	4,5	15'	*3.4	*7370	3.1	6730	*3.2	*6970	2.5	5400	*3.1	*6680	2.0	4350	*2.1	*3800	1.6	3490
	3,0	10'	*3.7	*8000	2.9	6330	*3.4	*7420	2.4	5110	3.2	6850	1.9	4150	*2.3	*4420	1.6	3370
	1,5	5'	*4.0	*8650	2.8	5920	*3.6	*7880	2.3	4830	3.1	6640	1.9	3960	*2.5	*4740	1.5	3240
	0	0'	4.2	9130	2.6	5550	3.5	7630	2.1	4560	3.0	6450	1.8	3770	*2.5	*4700	1.5	3130
	-1,5	-5'	4.1	8790	2.4	5230	3.4	7380	2.0	4330	2.9	6280	1.7	3610	*2.3	*4080	1.4	3040
	-3,0	-10'	4.0	8530	2.3	4980	3.3	7200	1.9	4160	2.9	6160	1.6	3500	-	-	-	-
	-4,5	-15'	3.9	8360	2.2	4820	3.3	7080	1.9	4050	2.8	6100	1.6	3440	-	-	-	-
	-6,0	-20'	3.8	8280	2.2	4750	3.3	7050	1.9	4010	2.8	*4800	1.6	3470	-	-	-	-
	-7,5	-25'	3.9	8320	2.2	4780	3.3	7120	1.9	4080	-	-	-	-	-	-	-	-
	-9,0	-30'	3.9	8480	2.3	4940	-	-	-	-	-	-	-	-	-	-	-	-
	-10,5	-35'	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-12,0	-40'	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

	Lifting Point		Max. Reach					
			Along UC		Across UC		Max.	
	m	ft	t	lb	t	lb	m	ft
Boom : 10.2m, 33'6"	13,5	45'	*1.3	*2910	*1.3	*2910	12.9	41.8
Arm : 7.9m, 25'11"	12,0	40'	*1.2	*2730	*1.2	*2730	14.1	45.9
Shoe : 800mm, 32"	10,5	35'	*1.2	*2620	*1.2	*2620	15.1	49.2
CWT : 6800kg, 14990lb	9,0	30'	*1.2	*2570	*1.2	*2570	15.9	51.8
	7,5	25'	*1.2	*2550	*1.2	*2550	16.4	53.8
	6,0	20'	*1.2	*2570	*1.2	*2570	16.9	55.3
	4,5	15'	*1.2	*2620	*1.2	*2620	17.2	56.2
	3,0	10'	*1.2	*2710	*1.2	*2710	17.3	56.8
	1,5	5'	*1.3	*2830	*1.3	*2830	17.3	56.8
	0	0'	*1.4	*3010	1.3	2960	17.2	56.5
	-1,5	-5'	*1.5	*3240	1.4	2970	17.0	55.6
	-3,0	-10'	*1.6	*3540	1.4	3050	16.6	54.3
	-4,5	-15'	*1.8	*3960	1.5	3200	16.0	52.5
	-6,0	-20'	*2.0	*4540	1.6	3460	15.3	50.1
	-7,5	-25'	*2.4	*5390	1.7	3860	14.4	47.1
	-9,0	-30'	*3.0	*6750	2.0	4490	13.3	43.3
	-10,5	-35'	*3.9	*8540	2.4	5530	11.9	38.4
	-12,0	-40'	*3.9	*8590	3.3	7520	10.1	32.1

EQUIPMENT.

STANDARD EQUIPMENT

	EC250D	EC300D
Engine		
Turbocharged, 4 stroke diesel engine with water cooling, direct injection and charged air cooler that meets Tier 4i (Stage IIIB) requirements	•	•
Air filter with indicator	•	•
Air intake heater	•	•
Cyclone precleaner	•	•
Electric engine shut-off	•	•
Fuel filter and water separator	•	•
Alternator, 110 A	•	•
Cooling system by fan clutch	•	•
Electric/Electronic control system		
Contronics	•	•
Advanced mode control system	•	•
Self-diagnostic system	•	•
Caretrack Satellite	•	•
3yr-Caretrack subscription	•	•
Machine status indication	•	•
Engine speed sensing power control	•	•
Automatic idling system	•	•
One-touch power boost	•	•
Safety stop/start function	•	•
Adjustable LCD color monitor	•	•
Master electrical disconnect switch	•	•
Engine restart prevention circuit	•	•
High-capacity halogen lights:	•	•
Frame-mounted 2	•	•
Boom-mounted 2	•	•
Batteries, 2 x 12 V / 200 Ah	•	•
Start motor, 24 V / 5.5 kW	•	•
Hydraulic system		
Boom float function without HRV	•	•
Automatic sensing hydraulic system	•	•
Summation system	•	•
Boom priority	•	•
Arm priority	•	•
Swing priority	•	•
Pilot control pattern change	•	•
"ECO" mode fuel saving technology	•	•
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	•	•
Frame		
Access way with handrail	•	•
Tool storage area	•	•
Punched metal anti-slip plates	•	•
Undercover (heavy-duty)	•	•
Full height counterweight:		
4950 kg (10910 lb)	•	
6200 kg (13670 lb) - Long Reach	•	
5500 kg (12130 lb)		•
6800 kg (14990 lb) - Long Reach		•
Cab and interior		
ROPS (ISO121172) certified cab	•	•
Opening top hatch	•	•
Silicon oil and rubber mounts with spring	•	•
Travel pedals and hand levers	•	•
Adjustable operator seat and joystick control console	•	•
Control joysticks with 4 switches each	•	•
Straight travel pedal	•	•
Heater & air-conditioner, automatic	•	•
Flexible antenna	•	•
AM/FM stereo with CD player and MP3 input	•	•
Control lock out lever	•	•
Cab, all-weather sound suppressed, includes:	•	•
Cup holders	•	•
Door locks	•	•
Tinted glass	•	•
Floor mat	•	•
Horn	•	•
Large storage area	•	•
Pull-up type front window	•	•
Removable lower windshield	•	•
Seat belt	•	•
Safety glass	•	•
Sun screens, front, roof, rear	•	•
Windshield wiper with intermittent feature	•	•
Rear view camera	•	•
Master key	•	•
Undercarriage		
Undercover (heavy-duty)	•	•
Hydraulic track adjusters	•	•
Greased and sealed track link	•	•
Track Guard	•	•
Track shoes		
800 mm (32") with triple grousers	•	•
Digging equipment		
Boom: 6.0 m (19'8") monoblock	•	
Arm: 2.97 m (9'9")	•	
Boom: 10.2 m (33'6") monoblock, Long Reach	•	
Arm: 7.85 m (25'9"), Long Reach	•	
Boom: 6.2 m (20'4") monoblock		•
Arm: 3.05 m (10'0")		•
Boom: 10.2 m (33'6") monoblock, Long Reach		•
Arm: 7.9 m (25'11"), Long Reach		•
Manual centralized lubrication	•	•
Linkage without lifting eye	•	•

OPTIONAL EQUIPMENT

	EC250D	EC300D
Engine		
Block heater: 240 V	•	•
Fuel filler pump: 50 l/min (13.2 gpm), with automatic shut-off	•	•
Oil bath pre-cleaner	•	•
Diesel coolant heater, 10 kW	•	•
Water separator with heater	•	•
Auto engine shutdown	•	•
Reversible cooling fan	•	•
Electric		
Extra lights:	•	•
Cab-mounted 3	•	•
Boom-mounted 2	•	•
Counterweight-mounted 1	•	•

OPTIONAL EQUIPMENT

	EC250D	EC300D
Travel alarm	•	•
Anti-theft system	•	•
Rotating warning beacon	•	•
Hydraulic system		
Hose rupture valve: boom, arm	•	•
Overload warning device	•	•
Boom float function with HRV	•	•
Hydraulic piping:	•	•
Work tool management system		
(up to 18 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 coupler piping	•	•
Volvo hydraulic quick coupler S1	•	
Volvo hydraulic quick coupler S2	•	•
Volvo hydraulic quick coupler U24	•	
Volvo hydraulic quick coupler U29		•
Hydraulic oil, biodegradable 46	•	•
Hydraulic oil, longlife oil 32	•	•
Hydraulic oil, longlife oil 68	•	•
Cab and interior		
Fabric seat with heater	•	•
Fabric seat with heater and air suspension	•	•
Opening top hatch	•	•
Falling object guard (FOG)	•	•
Frame-mounted	•	•
Cab-mounted	•	•
Cab-mounted falling object protective structure (FOPS)	•	•
Rain shield	•	•
Smoker kit (ashtray and lighter)	•	•
Safety net for front window	•	•
Lower wiper with intermittent control	•	•
Anti-vandalism kit	•	•
Undercarriage		
Full track guard	•	•
Track shoes		
600 mm (24") / 700 mm (28") / 900 mm (36") with triple grousers	•	•
Track shoes 700 mm (28") with double grousers	•	•
Digging equipment		
Boom: 6.0 m (19'8") monoblock, heavy duty	•	
Boom: 10.2 m (33'6") monoblock, long reach	•	
Arm: 2.5 m (8'2") HD, 2.97 m (9'9") HD, 3.6 m (11'10")	•	
Arm: 7.85 m (25'9"), long reach	•	
Boom: 10.2 m (33'6") monoblock, long reach		•
Arm: 2.55 m (8'4") HD, 3.05 m (10'0") HD, 3.7 m (12'2")		•
Arm: 7.9 m (25'11"), long reach		•
Linkage with lifting eye	•	•
Service		
Tool kit, daily maintenance	•	•
Tool kit, full scale	•	•
Automatic lubrication system	•	

SELECTION OF VOLVO OPTIONAL EQUIPMENT

Hose rupture valve, arm

Auto Engine Shutdown

FOG

Anti theft

Climate control

Boom float function

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 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.

VOLVO

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