

VOLVO EXCAVATOR

EC360B PRIME

36.5 – 38.7 t, 250 metric hp



MORE CARE. BUILT IN.



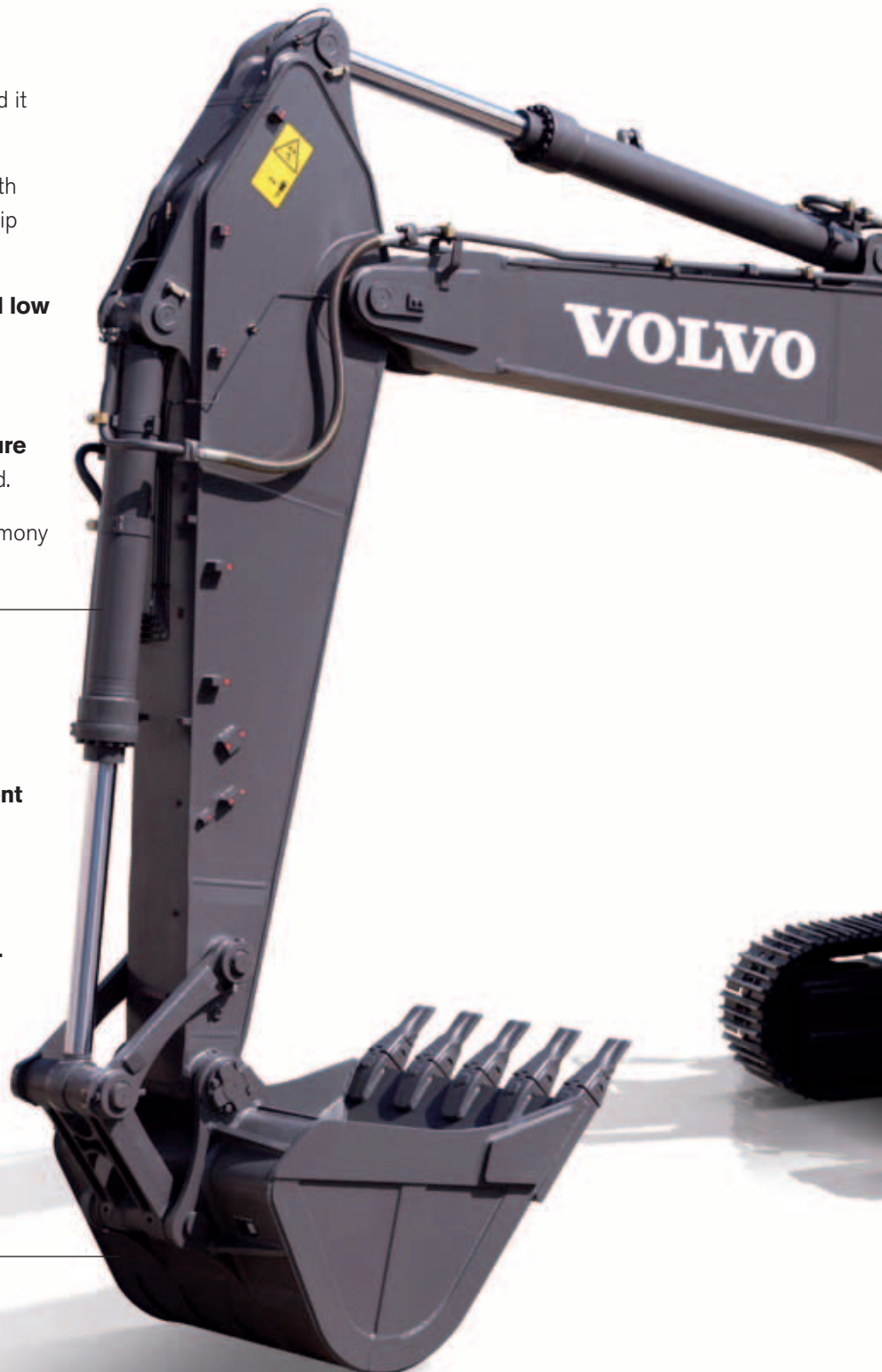
TAKE A TOUR. EXPERIENCE THE EC360B PRIME.

MORE SAFETY

- **Safety** is a **core value** at Volvo and it shows in our machine.
- **Anti-slip steps and platforms** with punched steel plates for superior grip even when wet or icy.
- **Low engine emission levels and low noise.**
- **Tumbler length** ensures stability.
- **Recessed bolts on superstructure** walk areas for less risk of trip hazard.
- **Lead-free exterior paint** is in harmony with the environment.

MORE PROFIT

- **Powerful, innovative and efficient Volvo engine:** well-matched to hydraulic system, components and design.
- Volvo continues to deliver **industry-leading fuel efficiency.**
- **Advanced hydraulic system** with priority functions and optional float position.
- **Optional hydraulic quick fit** increases versatility.





MORE COMFORT

- **Large and comfortable cab** puts you in command with ergonomic controls.
- **Roomy, adjustable seat** supports your whole body.
- **Top-mounted windshield wiper** cleans a wider area – including both upper corners.
- **Vibration dampening** protects against whole body fatigue for all-day productivity.
- **Electronic climate control system** delivers the highest-capacity heating and cooling available.

MORE UPTIME

- **Simplified, ground level serviceability** means more uptime.
- **Easy access, centralized lubrication points.**
- **Easy to learn. Easy to operate. Easy to get more done.**

MORE QUALITY

- **Strengthened undercarriage frame** endures any rough terrain.
- **Reinforced boom/arm and proven components** deliver every time.
- **Reinforced superstructure** with double welded corners.
- **Greased, sealed track link** prevents leaks and guarantees long life.

VOLVO – A PARTNER TO TRUST.

To Volvo, trust is of vital importance. That's why we build our machines to the highest standard, to earn and maintain your trust. For a business partner you can depend on, go to work with the trusted Volvo EC360B prime Excavator. It's the heavy-duty production machine that will tear through your work with ease. From earth moving, hauler loading and demolition to drainage, quarry work and civil engineering, it's here to work hard for you. And with Volvo comfort, safety and industry-leading fuel economy you can trust it to help you get more done and make more profit.

Your local partner around the globe

Since 1927, we have earned a global reputation for providing complete solutions. Volvo is built on core values of quality, safety and environmental care. The extensive line of construction equipment is augmented by Volvo's commercial transport solutions, including buses and trucks. This global experience and expertise have led to the ongoing development of engines with the lowest fuel consumption in their class. Today, the tradition continues with Volvo B prime-Series Excavators – designed and built to the exacting standards that make each machine a trusted Volvo partner.

New innovations in comfort

More comfort leads to less fatigue and higher productivity. And more operators around the world know Volvo as the innovators of comfort. The innovation continues with the EC360B prime and its larger, more ergonomic work environment. Visibility is better. So are the seat, floor space and access to controls/switches.

Leading fuel efficiency, longer endurance

Get the most out of each tank of fuel and the most work out of each day with industry-leading fuel efficiency. The EC360B prime helps you go farther.

The strength of Volvo quality

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

The right protection

The Volvo EC360B prime's proven, long life booms and arms are ready for the toughest conditions. It has been designed and tested to deliver strength and day after day endurance. Count on Volvo to help your business grow by getting the job done, making money and moving on to the next job.

Our experience, your work

Get the job done in the excavator made for your work. From new road construction, 25-ton hauler loading and demolition to reclamation work, retention pond digging and utility/piping, the Volvo EC360B prime Excavator puts you in command.





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

As the world's second largest manufacturer of 9-to-18-liter diesel engines, Volvo has unmatched expertise designing power systems that move the world. Volvo engines for Volvo Construction Equipment, Volvo

Aero, Volvo Buses, Volvo Penta and Volvo Trucks define productivity and fuel economy. Our performance has been honed on land, over the sea, across the sky and into space. Leading research and development

keeps all Volvo Group products at the forefront of productivity. So when we say Volvo engines are tested — and proven — you can believe it. Trust in it. It's the real advantage of Volvo Power.



BUILT TO RUN – SUPPORTED FOR LIFE.

Even the best machines need service and maintenance to be as productive tomorrow as they are today. With superior attention to detail, we've created a productivity chain of machines, parts and service. Our global Customer Support organization delivers the values you've come to expect from Volvo Construction Equipment.

We care about your operation – anywhere, anytime

Volvo Construction Equipment comes with a professional Customer Support organization providing genuine parts, aftersale service and training - providing you with controlled owning and operation costs. With all the products and resources at our disposal, we can offer you the best support there is. Anywhere, anytime.

Four levels of support, one level of care

The best way to get the most out of your Volvo is to invest in a Volvo Customer Support Agreement. Since business' needs vary, we've made it easy for you to select the agreement that's right for your business by creating four levels of Customer Support Agreements. We offer programs that provide everything from regular machine inspections to a comprehensive repair and maintenance program that takes the hassle and worry out of running a workshop and gives you total peace of mind.

CareTrack – fast and correct information

CareTrack is an optional GPS monitoring program that works with the machine's diagnostic system. Installation is simple. You and your dealer can remotely track usage, productivity, fuel consumption and more. Maximize uptime through important service reminders. CareTrack also monitors geographic machine location and can even prevent unauthorized use. With CareTrack, you can focus on the care of your business while your Volvo dealer focuses on the care of your machine.

MATRIS reports on your efficiency

MATRIS delivers detailed operating history analysis about the utilization and efficiency factors that influence your operating costs. MATRIS turns the data captured inside the machine's computer into easy-to-use graphs and reports. Maximize machine and operator performance, while reducing maintenance costs and increasing service life.

PROSIS makes parts ordering faster

PROSIS is a CD-ROM application that makes it quick and easy for your Volvo dealer to order all your Volvo CE product parts. Your dealer will help you find the right part, place your order and get you back up and running fast.

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





SPECIFICATIONS

Engine

The new Volvo diesel engine delivers lower emissions, superior performance and fuel efficiency. The engine uses precise, high-pressure fuel injectors turbo charger and electronic engine controls to optimize machine performance.

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.

Engine	Volvo D12D
Power output at	28 r/s (1,700 rpm)
Net (ISO 9249/SAE J1349)	184 kW (250 metric hp)
Gross (SAE J1995)	198 kW (269 metric hp)
Max. torque at 1,275 rpm	1,475 Nm
No. of cylinders	6
Displacement	12.1 l
Bore	131 mm
Stroke	150 mm

Electrical system

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

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

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

Service refill capacities

Fuel tank	620 l
Hydraulic system, total	515 l
Hydraulic tank	220 l
Engine oil	42 l
Engine coolant	60 l
Swing reduction unit	6.0 l
Travel reduction unit	2 x 6.8 l

Swing system

The superstructure is swung by the means of an axial piston motor and a planetary reduction gear. Automatic swing holding brake and anti-rebound valve are standard.

Max. swing speed	9.7 rpm
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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. tractive effort	256.9 kN (26,200 kg)
Max. travel speed	3.3/4.5 km/h
Gradeability	35° (70%)

Undercarriage

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

No. of track pads	2 x 50
Link pitch	215.9 mm
Shoe width, triple grouser	600/700/800/900 mm
Shoe width, double grouser	600 mm
No. of bottom rollers	2 x 9
No. of top rollers	2 x 2

Hydraulic system

The hydraulic system, also known as the Integrated work mode control is designed for high-productivity, high-digging capacity, high-maneuvering precision and good fuel economy. The summation system, boom, arm and swing priority along with boom and arm regeneration provide optimum performance.

The following important functions are included in the system:

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

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

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

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

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

Power boost: All digging and lifting forces are increased.

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

Main pump

Type	2 x variable displacement axial piston pumps
Maximum flow	2 x 280 l/min

Pilot pump

Type	Gear pump
Maximum flow	1 x 25.5 l/min

Hydraulic motors

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

Relief valve setting

Implement	31.4/34.3 Mpa (320/350 kg/cm ²)
Travel system	34.3 Mpa (350 kg/cm ²)
Swing system	25.5 Mpa (260 kg/cm ²)
Pilot system	3.9 Mpa (40 kg/cm ²)

Hydraulic cylinders

Boom	2
Bore x Stroke	ø160 x 1,530 mm
Arm	1
Bore x Stroke	ø175 x 1,700 mm
Bucket	1
Bore x Stroke	ø145 x 1,285 mm
ME bucket	1
Bore x Stroke	ø160 x 1,250 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 13 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 in cab according to ISO 6396:

LpA 73 dB(A)

External sound level according to ISO 6395

and EU Directive 2000/14/EC: LwA 105 dB(A)

Ground pressure

- **EC360B LC prime with** 6.45 m boom, 3.2 m arm, 1,610 l (1,460 kg) bucket and 6,700 kg counterweight.

Description	Shoe width	Operating weight up to	Ground pressure	Overall width
Triple grouser	600 mm	36,800 kg	65.9 kPa (0.67 kg/cm ²)	3,340 mm
	700 mm	37,230 kg	57.9 kPa (0.59 kg/cm ²)	3,440 mm
	800 mm	37,660 kg	51.0 kPa (0.52 kg/cm ²)	3,540 mm
	900 mm	38,100 kg	46.1 kPa (0.47 kg/cm ²)	3,640 mm
Double grouser	600 mm	36,900 kg	66.7 kPa (0.68 kg/cm ²)	3,340 mm

- **EC360B LC prime with** 6.45 m boom, 3.2 m arm, 1,610 l (1,460 kg) bucket and 7,250 kg counterweight.

Description	Shoe width	Operating weight up to	Ground pressure	Overall width
Triple grouser	600 mm	37,340 kg	66.8 kPa (0.68 kg/cm ²)	3,340 mm
	700 mm	37,780 kg	58.8 kPa (0.60 kg/cm ²)	3,440 mm
	800 mm	38,210 kg	52.0 kPa (0.53 kg/cm ²)	3,540 mm
	900 mm	38,650 kg	47.1 kPa (0.48 kg/cm ²)	3,640 mm
Double grouser	600 mm	37,450 kg	67.7 kPa (0.69 kg/cm ²)	3,340 mm

- **EC360B NLC prime with** 6.45 m boom, 3.2 m arm, 1,610 l (1,460 kg) bucket and 6,700 kg counterweight.

Description	Shoe width	Operating weight up to	Ground pressure	Overall width
Triple grouser	600 mm	36,530 kg	65.4 kPa (0.67 kg/cm ²)	2,990 mm
	700 mm	36,970 kg	56.9 kPa (0.58 kg/cm ²)	3,090 mm
	800 mm	37,400 kg	51.0 kPa (0.52 kg/cm ²)	3,190 mm
	900 mm	37,840 kg	46.1 kPa (0.47 kg/cm ²)	3,290 mm
Double grouser	600 mm	36,640 kg	65.7 kPa (0.67 kg/cm ²)	2,990 mm

- **EC360B NLC prime with** 6.45 m boom, 3.2 m arm, 1,610 l (1,460 kg) bucket and 7,250 kg counterweight.

Description	Shoe width	Operating weight up to	Ground pressure	Overall width
Triple grouser	600 mm	37,080 kg	66.4 kPa (0.68 kg/cm ²)	2,990 mm
	700 mm	37,520 kg	57.9 kPa (0.59 kg/cm ²)	3,090 mm
	800 mm	37,950 kg	51.0 kPa (0.52 kg/cm ²)	3,190 mm
	900 mm	38,390 kg	46.1 kPa (0.47 kg/cm ²)	3,290 mm
Double grouser	600 mm	37,190 kg	66.7 kPa (0.68 kg/cm ²)	2,990 mm

Max. permitted buckets

- Notes: 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.

• **EC360B LC prime with direct fit bucket, 7,250 kg counterweight.**

Description	Max. bucket volume / weight	6.2 m boom	6.45 m boom		
		2.6 m arm	2.6 m arm	3.2 m arm	3.9 m arm
GP bucket 1.5 t/m ³	l / kg	2,775/2,350	2,775/2,350	2,550/2,150	2,300/1,950
GP bucket 1.8 t/m ³	l / kg	2,450/2,100	2,450/2,100	2,250/1,900	2,050/1,725
HD bucket 1.8 t/m ³	l / kg	2,325/2,325	2,325/2,325	2,125/2,125	1,925/1,925
HD bucket 2.0 t/m ³	l / kg	2,175/2,175	2,175/2,175	2,000/2,000	1,800/1,800

• **EC360B LC prime with S quick fit bucket, 7,250 kg counterweight.**

Description	Max. bucket volume / weight	6.2 m boom	6.45 m boom		
		2.6 m arm	2.6 m arm	3.2 m arm	3.9 m arm
GP bucket 1.5 t/m ³	l / kg	2,600/2,200	2,600/2,200	2,350/2,000	2,125/1,800
GP bucket 1.8 t/m ³	l / kg	2,300/1,950	2,300/1,950	2,100/1,775	1,875/1,600
HD bucket 1.8 t/m ³	l / kg	2,175/2,175	2,175/2,175	1,975/1,975	1,775/1,775
HD bucket 2.0 t/m ³	l / kg	2,025/2,025	2,025/2,025	1,850/1,850	1,675/1,675

• **EC360B LC prime with U quick fit bucket, 7,250 kg counterweight.**

Description	Max. bucket volume / weight	6.2 m boom	6.45 m boom		
		2.6 m arm	2.6 m arm	3.2 m arm	3.9 m arm
GP bucket 1.5 t/m ³	l / kg	2,425/2,050	2,425/2,050	2,200/1,850	1,925/1,650
GP bucket 1.8 t/m ³	l / kg	2,150/1,825	2,150/1,825	1,950/1,650	1,675/1,475
HD bucket 1.8 t/m ³	l / kg	2,025/2,025	2,025/2,025	1,825/1,825	1,650/1,650
HD bucket 2.0 t/m ³	l / kg	1,900/1,900	1,900/1,900	1,700/1,700	1,525/1,525

- **EC360B NLC prime with direct fit bucket, 7,250 kg counterweight.**

Description	Max. bucket volume / weight	6.2 m boom	6.45 m boom		
		2.6 m arm	2.6 m arm	3.2 m arm	3.9 m arm
GP bucket 1.5 t/m ³	l / kg	2,450/2,075	2,325/1,975	2,125/1,825	1,925/1,625
GP bucket 1.8 t/m ³	l / kg	2,175/1,850	2,075/1,750	1,900/1,600	1,700/1,450
HD bucket 1.8 t/m ³	l / kg	2,050/2,050	1,950/1,950	1,800/1,800	1,625/1,625
HD bucket 2.0 t/m ³	l / kg	1,925/1,925	1,825/1,825	1,675/1,675	1,500/1,500

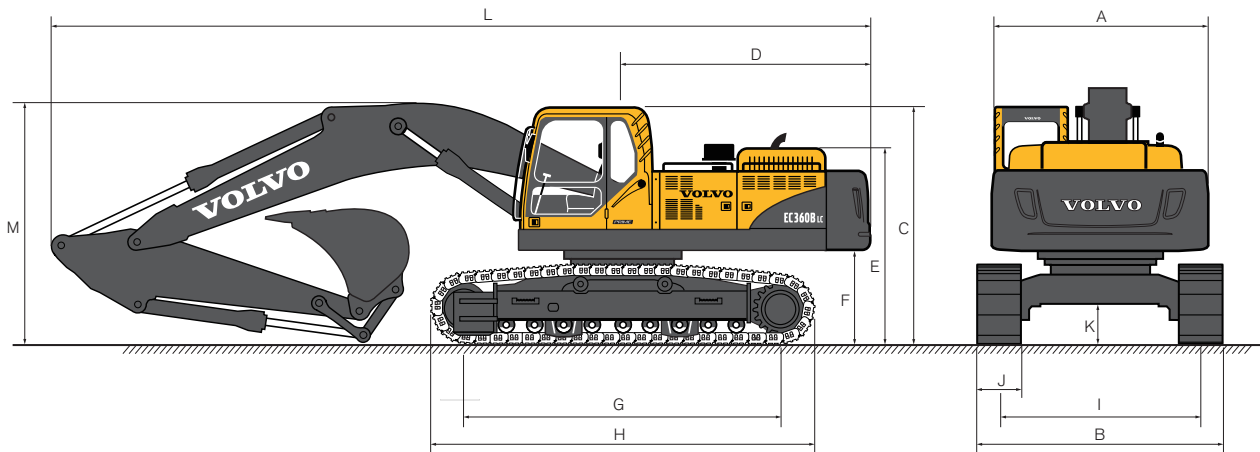
- **EC360B NLC prime with S quick fit bucket, 7,250 kg counterweight.**

Description	Max. bucket volume / weight	6.2 m boom	6.45 m boom		
		2.6 m arm	2.6 m arm	3.2 m arm	3.9 m arm
GP bucket 1.5 t/m ³	l / kg	2,325/1,975	2,200/1,875	2,025/1,725	1,800/1,525
GP bucket 1.8 t/m ³	l / kg	2,075/1,750	1,950/1,650	1,800/1,525	1,600/1,350
HD bucket 1.8 t/m ³	l / kg	1,950/1,950	1,850/1,850	1,700/1,700	1,525/1,525
HD bucket 2.0 t/m ³	l / kg	1,825/1,825	1,725/1,725	1,575/1,575	1,400/1,400

- **EC360B NLC prime with U quick fit bucket, 7,250 kg counterweight.**

Description	Max. bucket volume / weight	6.2 m boom	6.45 m boom		
		2.6 m arm	2.6 m arm	3.2 m arm	3.9 m arm
GP bucket 1.5 t/m ³	l / kg	2,250/1,900	2,125/1,800	1,925/1,625	1,725/1,450
GP bucket 1.8 t/m ³	l / kg	2,000/1,700	1,875/1,600	1,700/1,450	1,525/1,300
HD bucket 1.8 t/m ³	l / kg	1,875/1,875	1,775/1,775	1,625/1,625	1,450/1,450
HD bucket 2.0 t/m ³	l / kg	1,750/1,750	1,650/1,650	1,500/1,500	1,350/1,350

Dimensions



• EC360B LC prime

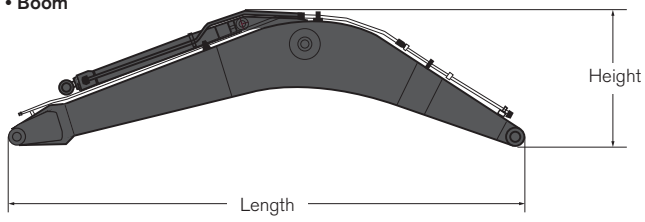
Description	Unit	6.2 m boom		6.45 m boom	
		2.6 m arm	2.6 m arm	3.2 m arm	3.9 m arm
A. Overall width of superstructure	mm	2,990	2,990	2,990	2,990
B. Overall width	mm	3,340	3,340	3,340	3,340
C. Overall height of cab	mm	3,190	3,190	3,190	3,190
D. Tail swing radius	mm	3,500	3,500	3,500	3,500
E. Overall height of engine hood	mm	2,700	2,700	2,700	2,700
F. Counterweight clearance *	mm	1,210	1,210	1,210	1,210
G. Tumbler length	mm	4,240	4,240	4,240	4,240
H. Track length	mm	5,180	5,180	5,180	5,180
I. Track gauge	mm	2,740	2,740	2,740	2,740
J. Shoe width	mm	600	600	600	600
K. Min. ground clearance *	mm	500	500	500	500
L. Overall length	mm	11,020	11,020	11,020	11,020
M. Overall height of boom	mm	3,700	3,580	3,350	3,590

• EC360B NLC prime

Description	Unit	6.2 m boom		6.45 m boom	
		2.6 m arm	2.6 m arm	3.2 m arm	3.9 m arm
A. Overall width of superstructure	mm	2,990	2,990	2,990	2,990
B. Overall width	mm	2,990	2,990	2,990	2,990
C. Overall height of cab	mm	3,190	3,190	3,190	3,190
D. Tail swing radius	mm	3,500	3,500	3,500	3,500
E. Overall height of engine hood	mm	2,700	2,700	2,700	2,700
F. Counterweight clearance *	mm	1,210	1,210	1,210	1,210
G. Tumbler length	mm	4,240	4,240	4,240	4,240
H. Track length	mm	5,180	5,180	5,180	5,180
I. Track gauge	mm	2,390	2,390	2,390	2,390
J. Shoe width	mm	600	600	600	600
K. Min. ground clearance *	mm	500	500	500	500
L. Overall length	mm	11,020	11,020	11,020	11,020
M. Overall height of boom	mm	3,700	3,580	3,350	3,590

* Without shoe grouser

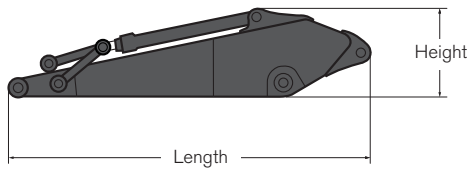
• Boom



Description	Unit	6.2 m	6.45 m
Length	mm	6,460	6,700
Height	mm	1,740	1,800
Width	mm	820	820
Weight	kg	3,290	3,310

* Includes cylinder, pin and piping

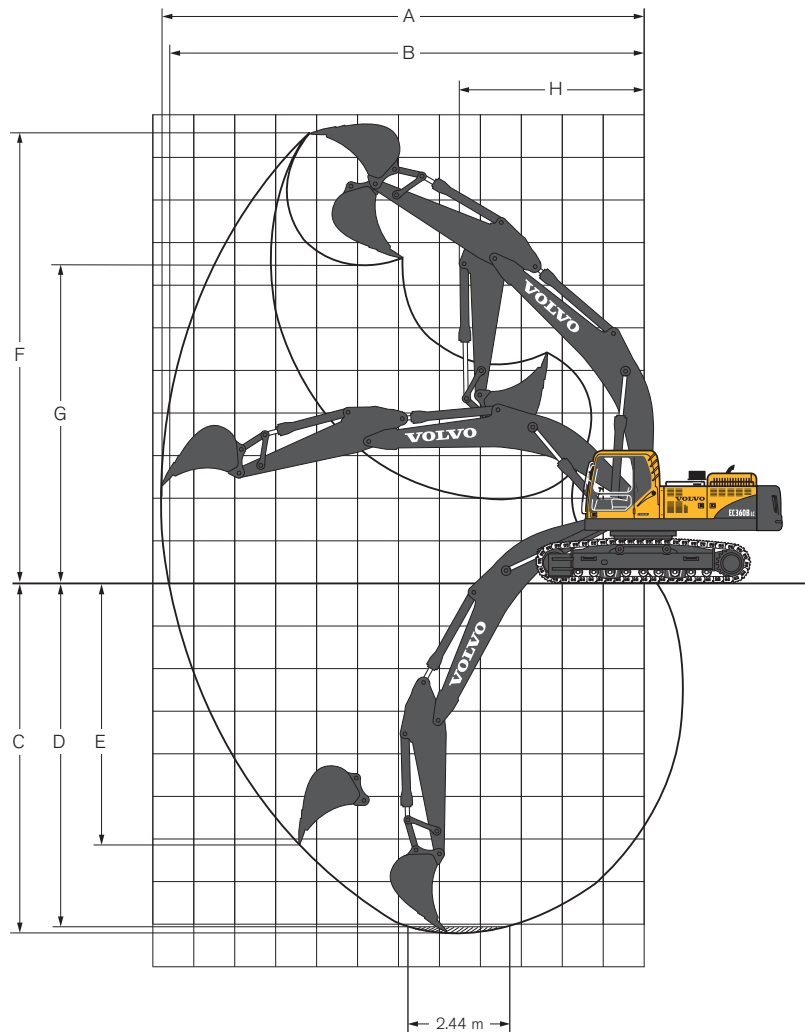
• Arm



Description	Unit	2.6 m	3.2 m	3.9 m
Length	mm	3,780	4,360	5,080
Height	mm	1,145	1,145	1,140
Width	mm	560	560	560
Weight	kg	2,020	2,100	2,240

* Includes cylinder, piping and linkage

Working ranges & digging forces



Machine with direct fit bucket	Unit	6.2 m boom		6.45 m boom	
		2.6 m arm	2.6 m arm	3.2 m arm	3.9 m arm
A. Max. digging reach	mm	10,490	10,610	11,130	11,780
B. Max. digging reach on ground	mm	10,270	10,390	10,920	11,580
C. Max. digging depth	mm	6,740	6,850	7,450	8,150
D. Max. digging depth (2.44 m level)	mm	6,550	6,640	7,270	8,000
E. Max. vertical wall digging depth	mm	4,970	5,350	5,790	6,410
F. Max. cutting height	mm	10,070	10,170	10,340	10,600
G. Max. dumping height	mm	6,820	7,090	7,290	7,560
H. Min. front swing radius	mm	4,180	4,380	4,340	4,370
















Digging forces with direct fit bucket		Unit	6.2 m boom		6.45 m boom	
			2.6 m arm	2.6 m arm	3.2 m arm	3.9 m arm
Bucket radius		mm	1,810	1,623	1,623	1,623
Breakout force – bucket (Normal/Power boost)	SAE J1179	kN	208/228	192/209	192/209	192/209
	ISO 6015	kN	236/258	215/236	215/236	215/236
Tearout force – arm (Normal/Power boost)	SAE J1179	kN	182/200	190/207	157/172	137/150
	ISO 6015	kN	188/206	195/213	161/176	140/153
Rotation angle, bucket		deg	164	177	177	177

Lifting capacity

At the arm end without bucket.

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

• EC360B LC prime

 Across undercarriage  Along undercarriage	Lifting hook related to ground level	3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		Max. reach				
															Max. mm	
Boom 6.2 m + Arm 2.6 m + Shoe 600 mm + Counterweight 6,700 kg	6.0 m	kg						*10,970	10,900	*10,470	7,560			*9,900	7,150	7,740
	4.5 m	kg			*15,660	*15,660	*12,440	10,460	*10,960	7,390				9,680	6,220	8,330
	3.0 m	kg			*19,660	15,140	*14,260	9,930	11,250	7,150				9,020	5,770	8,620
	1.5 m	kg			*20,950	14,380	15,570	9,500	10,990	6,920				8,870	5,630	8,640
	0 m	kg			*22,650	14,130	15,290	9,250	10,830	6,770				9,180	5,800	8,400
	-1.5 m	kg	*16,060	*16,060	*21,800	14,150	15,220	9,190	10,810	6,760				10,130	6,370	7,850
	-3.0 m	kg	*26,270	*26,270	*19,650	14,360	*14,880	9,320						*12,240	7,660	6,940
	-4.5 m	kg			*15,180	14,850								*12,000	11,090	5,480
Boom 6.45 m + Arm 2.6 m + Shoe 600 mm + Counterweight 6,700 kg	6.0 m	kg							*9,310	7,760				*6,940	6,150	7,980
	4.5 m	kg			*14,150	*14,150	*11,420	10,620	*10,070	7,520	*8,140	5,590		*7,010	5,460	8,560
	3.0 m	kg			*18,270	15,270	*13,380	10,010	*11,100	7,210	8,520	5,460		*7,290	5,100	8,840
	1.5 m	kg			*21,270	14,300	*15,120	9,490	11,010	6,930	8,360	5,320		7,810	4,970	8,860
	0 m	kg			*21,770	13,900	15,190	9,160	10,780	6,720	8,260	5,220		8,020	5,080	8,620
	-1.5 m	kg	*13,840	*13,840	*22,100	13,840	15,040	9,030	10,680	6,630				8,660	5,460	8,090
	-3.0 m	kg	*21,920	*21,920	*20,690	13,990	15,100	9,080	10,750	6,700				10,030	6,290	7,210
	-4.5 m	kg	*24,000	*24,000	*17,740	14,350	*13,340	9,350						*11,570	8,170	5,820
Boom 6.45 m + Arm 3.2 m + Shoe 600 mm + Counterweight 6,700 kg	6.0 m	kg							*9,210	7,670				*6,780	6,070	8,590
	4.5 m	kg			*14,080	*14,080	*11,340	10,540	*8,990	7,440	*7,980	5,510		*6,840	5,380	9,120
	3.0 m	kg			*18,250	15,250	*13,320	9,950	*11,020	7,140	8,440	5,380		*7,130	5,020	9,390
	1.5 m	kg			*21,270	14,310	*15,070	9,450	10,940	6,860	8,290	5,250		*7,660	4,900	9,410
	0 m	kg			*21,620	13,930	15,160	9,130	10,720	6,660	8,180	5,150		7,940	5,000	9,180
	-1.5 m	kg	*13,680	*13,680	*22,100	13,860	15,010	9,000	10,620	6,580				8,580	5,390	8,690
	-3.0 m	kg	*21,760	*21,760	*20,680	14,000	15,070	9,050	10,690	6,630				9,960	6,220	7,880
	-4.5 m	kg	*24,040	*24,040	*17,720	14,340	*13,290	9,300						*11,500	6,110	6,630
Boom 6.45 m + Arm 3.9 m + Shoe 600 mm + Counterweight 6,700 kg	6.0 m	kg							*9,110	7,590				*6,700	5,980	9,290
	4.5 m	kg			*13,960	*13,960	*11,220	10,440	*9,880	7,340	*7,900	5,420		*6,760	5,290	9,790
	3.0 m	kg			*18,810	15,130	*13,190	9,840	*10,900	7,040	8,350	5,290		*7,040	4,930	10,040
	1.5 m	kg			*21,120	14,170	*14,940	9,330	10,840	6,760	8,190	5,150		*7,580	4,800	10,060
	0 m	kg			*21,560	13,780	15,040	9,010	10,610	6,560	8,090	5,050		7,850	4,910	9,840
	-1.5 m	kg	*13,610	*13,610	*21,950	13,720	14,890	8,880	10,520	6,470				8,490	5,290	9,390
	-3.0 m	kg	*21,690	*21,690	*20,540	13,860	14,950	8,930	10,590	6,530				9,860	6,120	8,640
	-4.5 m	kg	*23,870	*23,870	*17,580	14,210	*13,160	9,190						*11,380	8,010	7,530

Notes: 1. Machine in "Fine Mode-F" (Power Boost), for lifting capacities.

2. The above loads are in compliance with SAE J1097 and ISO 10567 Hydraulic Excavator Lifting Capacity Standards.

3. Rated loads do not exceed 87% of hydraulic lifting capacity or 75% of tipping load.
















4. Rated loads marked with an asterisk (*) are limited by hydraulic capacity rather than tipping load.

Lifting capacity

At the arm end without bucket.

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

• EC360B LC prime

 Across undercarriage  Along undercarriage	Lifting hook related to ground level	3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		Max. reach				
															Max. mm	
Boom 6.2 m + Arm 2.6 m + Shoe 600 mm + Counterweight 7,250 kg	6.0 m	kg						*10,970	*10,970	*10,470	7,870			*9,900	7,450	7,730
	4.5 m	kg			*15,660	*15,660	*12,440	10,870	*10,960	7,700				*9,950	6,500	8,330
	3.0 m	kg			*19,660	15,760	*14,260	10,340	11,650	7,460				9,350	6,030	8,620
	1.5 m	kg			*20,950	14,990	*15,790	9,910	11,390	7,230				9,190	5,900	8,640
	0 m	kg			*22,650	14,750	15,840	9,670	11,230	7,080				9,520	6,070	8,390
	-1.5 m	kg	*16,060	*16,060	*21,800	14,770	15,770	9,610	11,210	7,070				10,500	6,660	7,850
	-3.0 m	kg	*26,270	*26,270	*19,650	14,980	*14,880	9,730						*12,240	8,000	6,930
	-4.5 m	kg			*15,180	*15,180								*12,000	11,560	5,470
Boom 6.45 m + Arm 2.6 m + Shoe 600 mm + Counterweight 7,250 kg	6.0 m	kg							*9,310	8,070				*6,940	6,410	7,980
	4.5 m	kg			*14,150	*14,150	*11,420	11,030	*10,070	7,830	*8,140	5,840		*7,010	5,700	8,560
	3.0 m	kg			*18,270	15,890	*13,380	10,420	*11,100	7,520	8,830	5,710		*7,290	5,330	8,840
	1.5 m	kg			*21,270	14,910	*15,120	9,900	11,400	7,240	8,670	5,570		*7,830	5,210	8,860
	0 m	kg			*21,770	14,520	15,740	9,570	11,180	7,030	8,570	5,470		8,320	5,320	8,620
	-1.5 m	kg	*13,840	*13,840	*22,100	14,460	15,590	9,440	11,080	6,940				8,980	5,720	8,090
	-3.0 m	kg	*21,920	*21,920	*20,690	14,600	15,650	9,500	11,150	7,010				10,400	5,800	7,210
	-4.5 m	kg	*24,000	*24,000	*17,740	14,970	*13,340	9,760						*11,570	8,540	5,820
Boom 6.45 m + Arm 3.2 m + Shoe 600 mm + Counterweight 7,250 kg	6.0 m	kg							*9,210	7,980				*6,780	6,330	8,590
	4.5 m	kg			*14,080	*14,080	*11,340	10,950	*9,990	7,750	*7,980	5,760		*6,840	5,620	9,120
	3.0 m	kg			*18,250	15,870	*13,320	10,360	*11,020	7,450	8,750	5,630		*7,130	5,250	9,390
	1.5 m	kg			*21,270	14,930	*15,070	9,860	11,340	7,170	8,600	5,490		*7,660	5,130	9,410
	0 m	kg			*21,620	14,540	15,710	9,540	11,120	6,970	8,490	5,400		8,240	5,250	9,180
	-1.5 m	kg	*13,680	*13,680	*22,100	14,480	15,560	9,410	11,020	6,890				8,910	5,640	8,690
	-3.0 m	kg	*21,760	*21,760	*20,680	14,620	15,620	9,460	11,080	6,940				10,330	6,510	7,880
	-4.5 m	kg	*24,040	*24,040	*17,720	14,960	*13,290	9,710						*11,500	8,470	6,630
Boom 6.45 m + Arm 3.9 m + Shoe 600 mm + Counterweight 7,250 kg	6.0 m	kg							*9,110	7,900				*6,700	6,240	9,290
	4.5 m	kg			*13,960	*13,960	*11,220	10,860	*9,880	7,650	*7,900	5,670		*6,760	5,530	9,790
	3.0 m	kg			*18,810	15,740	*13,190	10,260	*10,900	7,350	8,660	5,540		*7,040	5,160	10,040
	1.5 m	kg			*21,120	14,790	*14,940	9,740	11,240	7,070	8,500	5,400		*7,580	5,040	10,060
	0 m	kg			*21,560	14,400	15,590	9,420	11,010	6,870	8,400	5,300		8,150	5,150	9,840
	-1.5 m	kg	*13,610	*13,600	*21,950	14,340	15,440	9,300	10,910	6,780				8,810	5,550	9,390
	-3.0 m	kg	*21,690	*21,690	*20,540	14,480	*15,490	9,340	10,980	6,840				10,230	6,410	8,640
	-4.5 m	kg	*23,870	*23,870	*17,580	14,830	*13,160	9,600						*11,380	8,370	7,530

Notes: 1. Machine in "Fine Mode-F" (Power Boost), for lifting capacities.

2. The above loads are in compliance with SAE J1097 and ISO 10567 Hydraulic Excavator Lifting Capacity Standards.

3. Rated loads do not exceed 87% of hydraulic lifting capacity or 75% of tipping load.
















4. Rated loads marked with an asterisk (*) are limited by hydraulic capacity rather than tipping load.

Lifting capacity

At the arm end without bucket.

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

• EC360B NLC prime

 Across undercarriage  Along undercarriage	Lifting hook related to ground level	3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		Max. reach			
															Max. mm
Boom 6.45 m + Arm 2.6 m + Shoe 600 mm + Counterweight 7,250 kg	6.0 m	kg					*10,650	9,580	*9,980	6,660			*9,970	5,930	8,010
	4.5 m	kg			*15,740	13,970	*12,220	9,090	*10,600	6,460			9,250	5,170	8,580
	3.0 m	kg					*14,070	8,550	11,260	6,190			8,640	4,780	8,870
	1.5 m	kg					15,540	8,110	10,980	5,950			8,490	4,650	8,890
	0 m	kg			*19,180	11,860	15,250	7,880	10,800	5,800			8,770	4,770	8,640
	-1.5 m	kg	*13,370	*13,370	*21,450	11,900	15,180	7,820	10,770	5,770			9,610	5,210	8,120
	-3.0 m	kg	*25,440	24,130	*19,510	12,100	*14,910	7,940					11,490	6,180	7,240
	-4.5 m	kg	*20,470	*20,470	*15,700	12,530							*11,660	8,600	5,860
Boom 6.45 m + Arm 3.2 m + Shoe 600 mm + Counterweight 7,250 kg	6.0 m	kg							*9,180	6,830			*6,830	5,380	8,590
	4.5 m	kg			*14,020	*14,020	*11,290	9,310	*9,940	6,590	*8,030	4,870	*6,900	4,740	9,120
	3.0 m	kg			*18,120	13,120	*13,240	8,710	*10,960	6,290	8,530	4,730	*7,180	4,410	9,390
	1.5 m	kg			*21,100	12,180	*14,970	8,200	11,040	6,000	8,370	4,590	*7,720	4,290	9,410
	0 m	kg			*21,670	11,790	15,270	7,880	10,810	5,800	8,260	4,490	8,020	4,370	9,180
	-1.5 m	kg	*13,730	*13,730	*21,920	11,730	15,110	7,750	10,710	5,710			8,660	4,700	8,690
	-3.0 m	kg	*21,810	*21,810	*20,510	11,870	15,170	7,800	10,780	5,770			10,050	5,430	7,880
	-4.5 m	kg	*23,800	*23,800	*17,570	12,220	*13,180	8,060					*11,410	7,070	6,630
Boom 6.45 m + Arm 3.9 m + Shoe 600 mm + Counterweight 7,250 kg	6.0 m	kg							*8,280	7,040	*6,950	5,110	*5,490	4,800	9,290
	4.5 m	kg					*10,120	9,600	*9,120	6,760	*8,600	4,990	*5,530	4,280	9,790
	3.0 m	kg			*16,090	13,610	*12,160	8,930	*10,230	6,400	8,630	4,810	*5,730	4,000	10,040
	1.5 m	kg			*19,650	12,400	*14,100	8,310	11,130	6,060	8,410	4,620	*6,100	3,880	10,060
	0 m	kg	*8,370	*8,370	*21,570	11,750	15,290	7,880	10,820	5,790	8,250	4,470	*6,720	3,930	9,840
	-1.5 m	kg	*12,980	*12,980	*22,010	11,530	15,020	7,660	10,650	5,640	8,170	4,400	7,700	4,170	9,390
	-3.0 m	kg	*18,860	*18,860	*21,240	11,570	14,980	7,630	10,630	5,630			8,690	4,690	8,640
	-4.5 m	kg	*26,900	23,370	*19,130	11,840	*14,420	7,790	*10,810	5,810			*10,730	5,780	7,530

Notes: 1. Machine in "Fine Mode-F" (Power Boost), for lifting capacities.

2. The above loads are in compliance with SAE J1097 and ISO 10567 Hydraulic Excavator Lifting Capacity Standards.

3. Rated loads do not exceed 87% of hydraulic lifting capacity or 75% of tipping load.

4. Rated loads marked with an asterisk (*) are limited by hydraulic capacity rather than tipping load.

STANDARD EQUIPMENT

Engine

Turbocharged, 4 stroke 6 cylinder diesel engine water cooling, direct injection and charged air cooler
Air filter with indicator
Air intake heater
Electric engine shut-off
Fuel filler and water separator
Coolant filter
Alternator, 80 A
Fuel filler pump: 35 l/min

Electric / Electronic control system

Contronics:
– Advanced mode control system
– Self-diagnostic system
Machine status indication
Engine speed sensing power control
"Power Max" mode system
Automatic idling system
One-touch power boost
Safety stop/start function
Adjustable monitor
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/6.6 kW

Hydraulic system

Automatic hydraulic system:
– Summation system
– Boom priority
– Arm priority
– Swing priority
Boom and arm regeneration valves
Swing anti-rebound valves
Boom and arm holding valves
Multi-stage filtering system
Cylinder cushioning
Cylinder contamination seals
Auxiliary hydraulic valve
Straight travel circuit
Automatic two-speed travel motors

Superstructure

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

Cab and interior

Hydraulic dampening cab mounts
Adjustable operator seat and joystick control console
Control joystick with 3 switches each
Flexible antenna

Hydraulic safety lock lever
Cab, all-weather sound suppressed, includes:
– Ashtray
– Cup holder
– Lighter
– Tinted glass
– Door locks
– Floor mat
– Horn
– Large storage area
– Pull-up type front window
– Removable lower windshield
– Seat belt
– Safety glass
– Windshield wiper with intermittent feature
Anti-vandalism kit assembly preparation
Master key

Undercarriage

Hydraulic track adjusters
Greased and sealed track chain
Track guards

OPTIONAL EQUIPMENT

Engine

Diesel coolant heater, 10 kW
Oil bath pre-cleaner
Block heater; 120 V, 240 V
Fuel filler pump: 50 l/min with automatic shut-off
Water separator with heater

Electric

Extra lights:
– Cab-mounted 3, (front 2, rear 1)
– Boom-mounted 2
– Counterweight-mounted 1
Rotating warning beacon
Travel alarm
Anti-theft system

Hydraulic system

Hose rupture valve: boom, arm
Overload warning device
Hydraulic piping:
– Hammer & shear
1 and 2 pump flow
Pump flow control for hammer & shears
Additional return filter
Extra piping for slope & rotator
1 switch control
2 switch control
Pedal control
– Slope & rotator

– Grapple
– Oil leak (drain) line
– Quick fit piping
Volvo hydraulic quick fit (S3)
Hydraulic oil, ISO VG 32
Hydraulic oil, ISO VG 46
Hydraulic oil, ISO VG 68
Hydraulic oil, biodegradable 32
Hydraulic oil, biodegradable 46
Boom floating function
Straight travel pedal

Superstructure

Counterweight, 6,700 kg/7,250 kg
Undercover: 2.3 mm/HD 4.5 mm
Service walk
Cab entrance step
Hydraulic removable counterweight

Cab and interior

Fabric seat
Fabric seat with heater
Fabric seat with heater and air suspension
Air-conditioner without heater, manual
Heater & air-conditioner, automatic
Pilot control pattern change
Semi-long joysticks
Control joystick with 5 switches each
Cab-mounted falling object guard (FOG)
Cab-mounted falling object protective structures (FOPS)

AM/FM stereo radio
AM/FM stereo with CD player and MP3 input
Rain shield, front
Sun screens, front, roof, rear
Sunlight protection, roof (steel)
Safety screen for front window
Lower wiper
Anti-vandalism kit
Specific key

Undercarriage

Full track guards
Undercover: 4.5 mm/HD 10 mm

Track shoes

Track shoes 600/700/800/900 mm with triple grousers
Track shoes 600 mm with double grousers

Digging equipment

Boom: 6.2 m monoblock, ME
6.45 m monoblock, HD
Arm: 2.6 m/HD 3.2 m/3.9 m

Service

Hand lamp
Spare parts
Tool kit, full scale
Tool kit, daily maintenance
CareTrack

NOTE



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

Volvo Construction Equipment
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PUB 30A1005903
2010.06
Volvo, Global Marketing

English (International)
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