

V O L V O



Volvo Excavators 36.0 - 37.5 t 210 kW

EC360

Volvo Construction Equipment

EC360

Powerfully built to deliver on Productivity and Fuel Efficiency in the most demanding segments, the EC360 with its modern cab and ease of service will keep your Total Cost of Ownership low.



Get an edge

Power and Safety Built-in

Commonly used in mining, quarries and heavy construction, the powerfully built EC360 is a straight forward solution with a big payback. Saves on fuel, lowers Total Cost of Ownership and boosts the profitability of your operation.

Now even easier to service and with a comfortable modern cab, it is a machine that meets the requirements of everyone from owner to operator.



Fuel Efficiency

- Up to 6% improvement
- Engine pump optimization coupled with the New Electro-Hydraulic system



Productivity

- A powerful D6 engine, matched with the new Electro Hydraulic system
- Bigger bucket capacities
- HD Boom, Arm and 600 mm* track shoe
- Faster cycle times
- Boom/Swing & Boom/Travel priority functions



Safety

- Increased onsite safety for the operator
- 3-Point side access
- Counterweight embedded with Rear view Camera and LED lights
- Boundary Controls*
- Volvo Smart View (VSV)*



Serviceability

- Ground level access for service
- Longer service intervals - up to 6 000 hours hydraulic oil change
- Grouped filters and lubrication points
- Swing Out Condenser
- Quick and easy oil changes



Operator comfort

- More precise controls
- Quieter cab
- ROPS cab as standard
- New Human-Machine Interface
- Improved operator environment



Performance Enablers*

- Powered by new Volvo Co-Pilot
- Dig Assist with On-Board Weighing
- Volvo Active Control

*Please contact your local dealership for more information

Fuel efficiency

In the new generation of Volvo excavators, our new posi-con hydraulic system regulates the hydraulic flow rate based on the task at hand and reduces hydraulic losses. This ensures that only the necessary amount of energy is used while performing the most demanding jobs. The result is improved fuel efficiency and reduced Total Cost of Ownership.

Outstanding performance

The optimized work modes and ECO mode on the new generation of Volvo excavators help the operator to adapt to the most demanding job conditions, while keeping high performance at lower rpm, further increasing fuel efficiency. A host of additional optional features, including Dig Assist and many more, also help to make your working day more efficient.

New electro-hydraulic system

At the heart of the fuel efficiency improvements is the new electro-hydraulic system with enhanced main control valve (MCV). This intelligent technology uses electronic sensors to monitor the operator's movements and send signals to the machine's on-board computer (ECU) which processes the information and sends commands to the main control valve. The result is smooth and precise movement of the excavator's boom, bucket, and other hydraulic functions allowing for more accurate digging and loading.

Reliable and durable

No matter the segment, EC360 will excel across all applications including mass excavation and heavy digging, thanks to the proven Volvo D6E engine, and a robust machine design. Get to know this true heavy-duty excavator, a long-lasting partner for your business.

Productivity

Experience productivity in mass excavation and heavy digging applications in the EC360 like never before thanks to the powerful D6 engine, matched hydraulics with bigger buckets and faster cycle times.



Serviceability

Minimizing downtime is key to protecting your Total Cost of Ownership. Features including swing out condenser, easy service access, 6000-hour intervals for hydraulic oil change, along with 3000-hour filter change, all combine to drive down your maintenance costs and increase machine availability. A fuel shut-off valve also facilitates fuel filter changes, avoiding fuel spillage and further reducing costs.



Volvo EC360 in detail

Engine		
Engine	Volvo	D8L
Max power at	r/min	1 600
Net, ISO 9249/SAE J1349	kW	209
	hp	284
Gross, ISO 14396/SAE J1995	kW	210
	hp	286
Max torque	Nm	1 335
at engine speed	r/min	1 350
No. of cylinders		6
Displacement	l	7.7
Bore	mm	110
Stroke	mm	135
Electrical system		
Voltage	V	24
Batteries	V	2 x 12
Battery capacity	Ah	180 x 2
Alternator	V/A	28/130
Start motor	V - kW	24-5.5

Undercarriage and structures		
The undercarriage has a robust X-shaped frame. Greased and sealed track chains are standard.		
Track shoes		2 x 48
Link pitch	mm	216
Shoe width	mm	600
Shoe width, triple grouser	mm	800
Shoe width, double grouser	mm	600
Bottom rollers		2 x 8
Top rollers		2 x 2
Swing system		
The swing system uses an axial piston motors, driving a planetary gearbox for maximum torque. An automatic holding brake and antirebound valve are standard.		
Max. slew speed	r/min	10.4
Max. slew torque	kNm	126
Travel System		
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	261
Max. travel speed (low)	km/h	3.28
Max. travel speed (high)	km/h	5.06
Gradeability	°	35



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 airconditioning 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 up to 12 different adjustments depending on market configuration, plus a seat belt for the operator's comfort and safety. Refrigerant of the type R134a is used when this machine is equipped with air conditioning. Contains fluorinated greenhouse gas R134a, Global Warming Potential 1430 CO₂-eq.

Sound Level

Sound pressure level in cab according to ISO 6396

L _{pA}	dB	71
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External sound level according to ISO 6395 and EU Noise Directive 2000/14/EC

L _{WA}	dB	105
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Service Refill

Fuel tank	l	543
Hydraulic system, total	l	465
Hydraulic tank	l	350
Engine oil	l	30
Engine coolant	l	22
Slew reduction unit	l	6
Travel reduction unit	l	2 x 6.8

Hydraulic system

The new electro-hydraulic system and new MCV (main control valve) use intelligent technology to control on-demand flow for high productivity, high-digging capacity and excellent fuel consumption.

The following important functions are included in the system for optimum performance:

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	l/min	2 x 288
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Pilot pump: Type Gear pump

Maximum flow	l/min	20
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Max. pressure

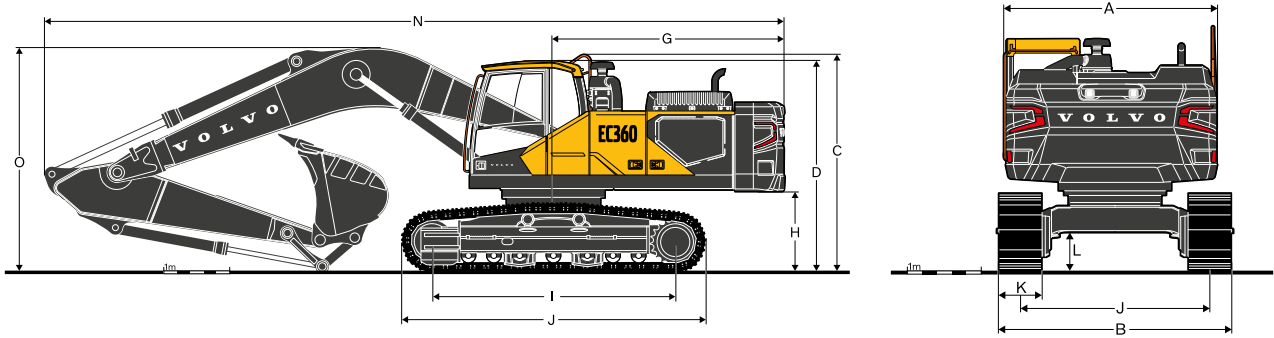
Implement	MPa	33.3 / 37.8
Travel circuit	MPa	35.3
Slew circuit	MPa	27.9
Pilot circuit	MPa	3.9

Hydraulic Cylinders

Mono boom		2
Bore x Stroke	ø x mm	150 x 1 530
Arm		1
Bore x Stroke	ø x mm	170 x 1 700
Bucket		1
Bore x Stroke	ø x mm	140 x 1 285



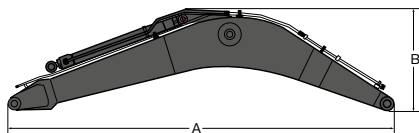
Specifications



DIMENSIONS

	Unit	EC360F L	
Boom	m	6.45	6.2
Arm	m	3.2	2.6
A. Overall width of upper structure	mm	2 890	2 890
B. Overall width	mm	3 190	3 190
C. Overall height of cab	mm	3 175	3 175
D. Overall height of handrail	mm	3 275	3 275
F. Tail swing radius	mm	3 600	3 600
G. Overall height of engine hood	mm	2 990	2 990
H. Counterweight clearance *	mm	1 170	1 170
I. Tumbler length	mm	4 020	4 020
J. Track length	mm	4 945	4 945
K. Track gauge	mm	2 590	2 590
L. Shoe width	mm	600	600
M. Min. ground clearance *	mm	500	500
N. Overall length	mm	11 190	11 020
O. Overall height of boom	mm	3 380	3 490

* Without shoe grouser

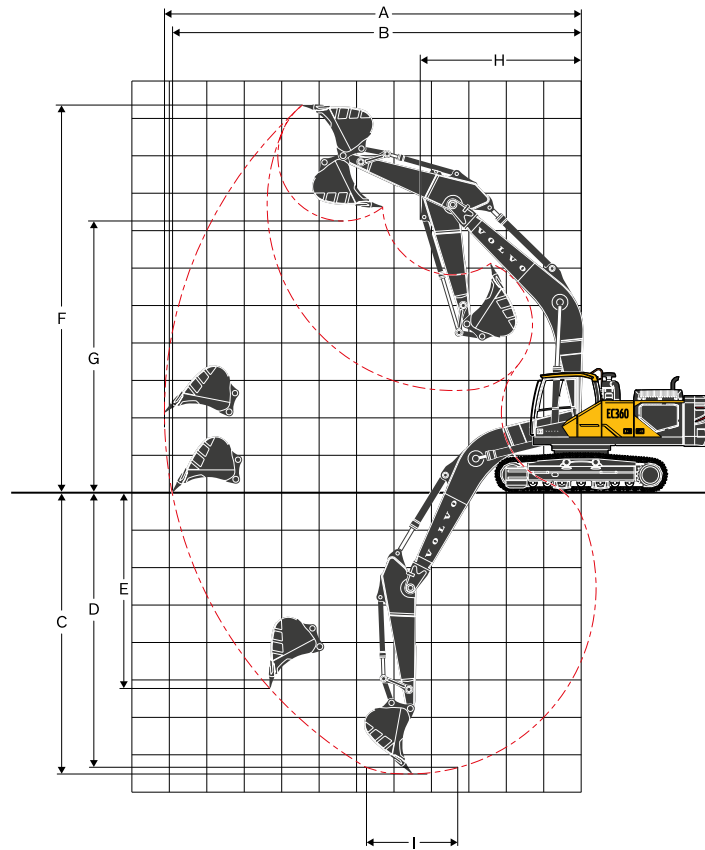


DIMENSIONS

Description	Unit	Boom		Description	Unit	Arm	
	m	6.45	6.2		m	3.2	2.6
A. Length	mm	6 708	6 451	A. Length	mm	4 347	6 451
B. Height	mm	2 157	1 678	B. Height	mm	1 062	1 717
Width	mm	816	816	Width	mm	478	816
Weight	kg	3 162	3 206	Weight	kg	1 880	1 806

* Includes cylinder, piping and pin

* Includes cylinder, linkage and pin



WORKING RANGES WITH DIRECT FIT BUCKET

Description	Unit	EC360F	
Boom	m	6.45	6.2
Arm	m	3.2	2.6
A. Max. digging reach	mm	11 115	10 440
B. Max. digging reach on ground	mm	10 905	10 210
C. Max. digging depth	mm	7 485	6 740
D. Max.digging depth (l=(2.44 m level)	mm	7 310	6 550
E. Max. vertical wall digging depth	mm	5 500	5 260
F. Max. cutting height	mm	10 330	10 080
G. Max. dumping height	mm	7 245	6 820
H. Min. front swing radius	mm	4 285	4 120

DIGGING FORCES WITH DIRECT FIT BUCKET

Breakout force (bucket)	Normal	SAE J1179	kN	177	206
	Power boost	SAE J1179	kN	192	224
	Normal	ISO 6015	kN	201	236
	Power boost	ISO 6015	kN	219	257
Tearout force (arm)	Normal	SAE J1179	kN	156	183
	Power boost	SAE J1179	kN	170	200
	Normal	ISO 6015	kN	160	190
	Power boost	ISO 6015	kN	174	206

Specifications

GROUND PRESSURE

EC360F L

Description	Shoe width	Operating weight	Ground pressure	Overall width	Operating weight	Ground pressure	Overall width
	mm	kg	kPa	mm	kg	kPa	mm
Triple grouser	600	36 070	69.2	3 190	36 320	69.7	3 190
	600 (HD)	36 120	69.3	3 190	36 370	69.8	3 190
	700	36 700	60.3	3 290	36 950	60.8	3 290
	800	37 090	53.4	3 390	37 340	53.7	3 390
Double grouser	600	36 770	70.5	3 190	37 020	71.0	3 190
		EC360F L with LC undercarriage, 6.45 m HD boom, 3.2 m HD arm, 1 878 kg bucket, 7 000 kg counterweight			EC360F L with LC undercarriage, 6.45 m HD boom, 3.2 m HD arm, 1 878 kg bucket, 7 250 kg counterweight		
Description	Shoe width	Operating weight	Ground pressure	Overall width	Operating weight	Ground pressure	Overall width
	mm	kg	kPa	mm	kg	kPa	mm
Triple grouser	600	36 210	69.5	3 190	36 460	69.9	3 190
	600 (HD)	36 260	69.6	3 190	36 510	70.0	3 190
	700	36 840	60.6	3 290	37 090	61.0	3 290
	800	37 230	53.6	3 390	37 480	53.9	3 390
Double grouser	600	36 910	70.8	3 190	37 160	71.3	3 190
		EC360F L with LC undercarriage, 6.2 m ME boom, 2.6 m ME arm, 2 050 kg bucket, 7 000 kg counterweight			EC360F L with LC undercarriage, 6.2 m ME boom, 2.6 m ME arm, 2 050 kg bucket, 7 250 kg counterweight		

BUCKET SELECTION GUIDE

Bucket Type		Capacity	Cutting width	Weight	Recommended maximum material density (kg/m ³)	
					EC360F L with 600 mm shoe, 7 000 kg counterweight	EC360F L with 600 mm shoe, 7 250 kg counterweight
					6.45 m HD Boom	6.2 m ME Boom
					H3.2 m Arm	ME2.6 m Arm
		L	mm	kg		
V1	GP	1 600	1 440	1 594	C	C
		1 700	1 540	1 649	C	C
		1 900	1 680	1 694	C	C
		2 000	1 780	1 870	B	C
		2 300	1 860	2 154	B	C
	HD	1 600	1 460	1 675	D	D
		1 700	1 540	1 731	C	D
		1 800	1 620	1 005	C	D
		2 000	1 780	2 068	B	C
	V2	HD	1 610	1 564	1 724	D
GP		1 800	1 607	1 722	C	C
V4	GP	1 920	1 500	1 851	C	C
		1 920	1 500	1 782	C	C
		2 330	1 750	2 049	B	C
		2 330	1 750	1 980	B	C
	HD	1 670	1 380	1 570	D	D
		1 670	1 380	1 773	D	D
		1 670	1 380	1 821	D	D
		1 670	1 380	1 861	D	D
		1 920	1 500	1 878	C	D
		1 920	1 500	1 925	C	D
		1 920	1 500	1 957	C	D
		1 920	1 500	2 004	C	D
		2 330	1 750	1 910	B	C
		2 330	1 750	2 127	B	C
		2 330	1 750	2 163	B	C
		2 330	1 750	2 206	B	C

Please consult with your Volvo dealer for the proper match of buckets and attachments to suit the application.
(In case of using bigger bucket than regional standard MRS, consultation with R&D is highly recommended)

The recommendations are given as a guide only, based on typical operation conditions.

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

Maximum load : Payload, bucket and additional tools such as quick coupler, rotator,

VA Boom : Variable angle boom or two-piece boom

Maximum material density

D: 2 100 kg/m³

C: 1 800 kg/m³

B: 1 500 kg/m³

A: 1 200 kg/m³

X : Not recommended

Specifications

LIFTING CAPACITY EC360F L

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 coupler from the following values.

	Lifting hook related to ground level	kg	1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		Max. reach		Max. m	
			Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC		
Boom : 6.45 m Arm : 2.6 m Shoe : 600 mm CWT : 7 000 kg	7.5 m	kg														*9 160	8 330	7.02
	6 m	kg							*9 690	*9 690	*9 080	7 400				*9 080	6 670	7.96
	4.5 m	kg					*14 150	*14 150	*11 040	10 100	*9 610	7 190				9 010	5 830	8.53
	3 m	kg							*12 650	9 520	*10 390	6 910				8 410	5 400	8.81
	1.5 m	kg							*13 960	9 060	10 520	6 650				8 260	5 270	8.83
	0 m	kg					*19 910	13 320	14 450	8 810	10 340	6 490				8 520	5 410	8.59
	-1.5 m	kg			*13 860	*13 860	*19 170	13 360	14 390	8 750	10 310	6 460				9 330	5 900	8.06
	-3 m	kg			*23 010	*23 010	*17 440	13 580	*13 340	8 880						*10 610	7 000	7.18
	-4.5 m	kg			*18 210	*18 210	*13 990	*13 990								*10 530	9 760	5.79
Boom : 6.45 m Arm : 2.6 m Shoe : 600 mm CWT : 7 250 kg	7.5 m	kg														*9 160	8 490	7.02
	6 m	kg							*9 690	*9 690	*9 080	7 540				*9 080	6 810	7.96
	4.5 m	kg					*14 150	*14 150	*11 040	10 290	*9 610	7 330				9 160	5 950	8.53
	3 m	kg							*12 650	9 710	*10 390	7 050				8 560	5 520	8.81
	1.5 m	kg							*13 960	9 250	10 700	6 800				8 400	5 390	8.83
	0 m	kg					*19 910	13 600	*14 610	9 000	10 520	6 640				8 670	5 530	8.59
	-1.5 m	kg			*13 860	*13 860	*19 170	13 640	*14 480	8 940	10 490	6 610				9 490	6 030	8.06
	-3 m	kg			*23 010	*23 010	*17 440	13 860	*13 340	9 070						*10 610	7 150	7.18
	-4.5 m	kg			*18 210	*18 210	*13 990	*13 990								*10 530	9 960	5.79
Boom : 6.45 m Arm : 3.2 m Shoe : 600 mm CWT : 7 000 kg	7.5 m	kg									*7 630	6 930				*7 130	6 650	7.67
	6 m	kg									*7 730	6 860				*6 940	5 460	8.53
	4.5 m	kg					*11 820	*11 820	*9 500	9 370	*8 350	6 620	*7 670	4 880	*7 010	4 810	9.07	
	3 m	kg					*15 160	13 250	*11 110	8 790	*9 190	6 330	8 070	4 760	*7 300	4 470	9.34	
	1.5 m	kg					*17 630	12 320	*12 530	8 280	*10 000	6 050	7 920	4 620	7 470	4 350	9.35	
	0 m	kg					*18 560	11 930	*13 410	7 960	10 210	5 850	7 820	4 520	7 660	4 440	9.13	
	-1.5 m	kg			*13 980	*13 980	*18 340	11 850	*13 590	7 830	10 110	5 760				8 280	4 770	8.63
	-3 m	kg	*16 290	*16 290	*22 120	*22 120	*17 150	11 980	*12 940	7 870	*9 950	5 820				*9 330	5 530	7.82
	-4.5 m	kg			*19 820	*19 820	*14 640	12 320	*10 930	8 130						*9 570	7 220	6.57
Boom : 6.45 m Arm : 3.2 m Shoe : 600 mm CWT : 7 250 kg	7.5 m	kg									*7 630	7 060				*7 130	6 780	7.67
	6 m	kg									*7 730	6 990				*6 940	5 580	8.53
	4.5 m	kg					*11 820	*11 820	*9 500	*9 500	*8 350	6 760	*7 670	4 990	*7 010	4 920	9.07	
	3 m	kg					*15 160	13 520	*11 110	8 960	*9 190	6 460	*8 170	4 860	*7 300	4 580	9.34	
	1.5 m	kg					*17 630	12 580	*12 530	8 460	*10 000	6 180	8 060	4 730	7 600	4 450	9.35	
	0 m	kg					*18 560	12 190	*13 410	8 130	10 390	5 980	7 960	4 630	7 800	4 540	9.13	
	-1.5 m	kg			*13 980	*13 980	*18 340	12 110	*13 590	8 000	10 290	5 890				8 430	4 890	8.63
	-3 m	kg	*16 290	*16 290	*22 120	*22 120	*17 150	12 250	*12 940	8 050	*9 950	5 950				*9 330	5 650	7.82
	-4.5 m	kg			*19 820	*19 820	*14 640	12 590	*10 930	8 310						*9 570	7 380	6.57

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 EC360F L

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 coupler from the following values.

	Lifting hook related to ground level		1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		Max. reach		Max. m
			Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	
Boom : 6.45 m Arm : 3.2 m Shoe : 700 mm CWT : 7 250 kg	7.5 m	kg									*8 190	7 730			*7 130	*7 130	7.67
	6 m	kg									*8 300	7 660			*6 940	6 120	8.53
	4.5 m	kg					*12 640	*12 640	*10 190	*10 190	*8 970	7 420	*7 670	5 500	*7 010	5 420	9.07
	3 m	kg					*16 250	15 040	*11 920	9 890	*9 870	7 120	8 310	5 370	*7 300	5 060	9.34
	1.5 m	kg					*18 890	14 080	*13 450	9 370	*10 740	6 830	8 160	5 230	7 700	4 930	9.35
	0 m	kg					*19 900	13 670	*14 400	9 040	10 520	6 630	8 060	5 130	7 900	5 040	9.13
	-1.5 m	kg			*13 980	*13 980	*19 670	13 590	*14 590	8 910	10 420	6 540			8 530	5 420	8.63
	-3 m	kg	*16 290	*16 290	*22 120	*22 120	*18 400	13 730	*13 900	8 960	10 490	6 600			9 900	6 270	7.82
	-4.5 m	kg			*21 300	*21 300	*15 730	14 080	*11 760	9 220					*10 310	8 170	6.57
Boom : 6.45 m Arm : 3.2 m Shoe : 800 mm CWT : 7 250 kg	7.5 m	kg									*7 070	*7 070			*6 600	*6 600	7.67
	6 m	kg									*7 170	*7 170			*6 420	6 120	8.53
	4.5 m	kg					*10 990	*10 990	*8 820	*8 820	*7 740	7 410	*7 090	5 490	*6 480	5 420	9.07
	3 m	kg					*14 080	*14 080	*10 300	9 880	*8 510	7 110	*7 550	5 360	*6 750	5 050	9.34
	1.5 m	kg					*16 360	14 060	*11 620	9 360	*9 250	6 830	*7 900	5 220	*7 260	4 930	9.35
	0 m	kg					*17 220	13 660	*12 430	9 030	*9 760	6 620	8 050	5 130	7 890	5 030	9.13
	-1.5 m	kg			*12 980	*12 980	*17 010	13 580	*12 590	8 900	*9 850	6 530			*8 290	5 410	8.63
	-3 m	kg	*15 130	*15 130	*20 580	*20 580	*15 890	13 720	*11 980	8 950	*9 200	6 600			*8 620	6 260	7.82
	-4.5 m	kg			*18 330	*18 330	*13 540	*13 540	*10 100	9 210					*8 830	8 160	6.57
Boom : 6.2 m Arm : 2.6 m Shoe : 600 mm CWT : 7 000 kg	7.5 m	kg							*8 780	*8 780					*8 890	8 140	6.7
	6 m	kg							*9 190	*9 190	*8 740	6 670			*8 750	6 380	7.68
	4.5 m	kg					*13 000	*13 000	*10 340	9 190	*9 100	6 490			*8 810	5 510	8.27
	3 m	kg					*16 130	12 920	*11 770	8 630	*9 760	6 230			8 640	5 060	8.56
	1.5 m	kg					*18 140	12 100	*12 980	8 160	10 370	5 980			8 470	4 920	8.58
	0 m	kg					*18 540	11 820	*13 580	7 890	10 190	5 820			8 750	5 050	8.33
	-1.5 m	kg			*16 550	*16 550	*17 840	11 840	*13 400	7 820	10 170	5 800			9 650	5 540	7.79
	-3 m	kg			*21 380	*21 380	*16 040	12 060	*12 130	7 960					*10 080	6 680	6.87
	-4.5 m	kg			*16 140	*16 140	*12 240	*12 240							*9 790	9 710	5.41
Boom : 6.2 m Arm : 2.6 m Shoe : 600 mm CWT : 7 250 kg	7.5 m	kg							*9 400	*9 400					*9 530	8 980	6.7
	6 m	kg							*9 840	*9 840	*9 380	7 370			*9 390	7 060	7.68
	4.5 m	kg					*13 910	*13 910	*11 080	10 180	*9 760	7 190			9 470	6 110	8.27
	3 m	kg					*17 280	14 510	*12 630	9 600	*10 480	6 920			8 800	5 640	8.56
	1.5 m	kg					*19 440	13 660	*13 930	9 120	10 560	6 670			8 630	5 490	8.58
	0 m	kg					*19 890	13 370	14 530	8 850	10 380	6 510			8 920	5 650	8.33
	-1.5 m	kg			*16 550	*16 550	*19 150	13 390	*14 390	8 780	10 360	6 490			9 840	6 190	7.79
	-3 m	kg			*22 970	*22 970	*17 230	13 620	*13 040	8 920					*10 840	7 460	6.87
	-4.5 m	kg			*17 390	*17 390	*13 190	*13 190							*10 560	*10 560	5.41
Boom : 6.2 m Arm : 2.6 m Shoe : 800 mm CWT : 7 250 kg	7.5 m	kg							*9 400	*9 400					*9 530	8 980	6.7
	6 m	kg							*9 840	*9 840	*9 380	7 370			*9 390	7 060	7.68
	4.5 m	kg					*13 910	*13 910	*11 080	10 180	*9 760	7 190			9 470	6 110	8.27
	3 m	kg					*17 280	14 510	*12 630	9 600	*10 480	6 920			8 800	5 640	8.56
	1.5 m	kg					*19 440	13 660	*13 930	9 120	10 560	6 670			8 630	5 490	8.58
	0 m	kg					*19 890	13 370	14 530	8 850	10 380	6 510			8 920	5 650	8.33
	-1.5 m	kg			*16 550	*16 550	*19 150	13 390	*14 390	8 780	10 360	6 490			9 840	6 190	7.79
	-3 m	kg			*22 970	*22 970	*17 230	13 620	*13 040	8 920					*10 840	7 460	6.87
	-4.5 m	kg			*17 390	*17 390	*13 190	*13 190							*10 560	*10 560	5.41

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.

Equipment

STANDARD AND OPTIONAL EQUIPMENT

• = Standard / o = Optional

Engine

Turbocharged, 4 stroke diesel engine with water cooling, direct injection and charged air cooler that meets T3 requirements	•
Cooling system by Direct Fan	•
Cooling system by Hydraulic Fan	o
Air filter, High efficiency	o
Cyclone pre-cleaner	•
Fuel shut off valve	•
Engine block heater	o
Coolant heater by diesel	o
Precleaner, oil bath	o
Delayed engine Shutdown	•
Automatic engine shutdown	•
Water separator with heater	o
Fuel filter and water separator	•

Electric / Electronic control system

Anti-theft with code lock system	o
Automatic idling system	•
Standard light	•
Extra light LED	o
Master electrical disconnect switch	•
Engine restart prevention circuit	•

Undercarriage and structures

3-point side access	•
Guardrail, fixed / foldable	o
Lower frame, LC	•
Lower frame, STD	o
Link 600 / 700 / 800 mm triple grouser shoe	o
Link 600 mm triple grouser shoe, HD	•
Link 600 mm double grouser shoe	o
Dual toolbox	•
Undercover STD / HD	o

Hydraulic system

EH (Electro-Hydraulic) control system	•
One touch power boost	•
Priority Adjustment	•
Boom down speed control	•
Shock reduction function	•
Joystick, Semi-long / 4 switch / 3 switch & 1 proportional / L8	o
Hydraulic oil mineral 32 / 46 / 68	o
Longlife hyd oil mineral 32 / 46 / 68	o
Pattern change	o
Boom float function	o
Comfort driving control	o
Dedicated drain line	o
Hose rupture valve for boom	o
Hose rupture valve for arm	o

STANDARD AND OPTIONAL EQUIPMENT

• = Standard / o = Optional

Machine control technology

Kinematic sensor package	o
Volvo Co-Pilot 2nd display, 12.8" touchable Full HD	o
Dig Assist, Start	o
Dig Assist, 2D	o
Dig Assist, In-Field Design	o
Dig Assist, Topcon 3D-MC	o
Dig Assist, Infield-Design Advanced	o
Dig Assist, On-Board Weighing	o
Dig Assist, Laser Receiver	o
Volvo Active Control	o
Dig Assist, Boundary Limit	o

Cab and interior

ROPS certified cab	•
FOG (Falling Object Guard)	o
FOPS (Falling Object Protection Structure)	o
8" HD display	•
Mechanical sus/Air sus seat	o
Seat belt, 2 inch 2 point / 3 inch 2 point / 3 inch 3 point	o
Front rain shield	o
Sun screens, front, roof, rear	•
Lower wiper	o
Sun shield, roof hatch	o
Safety net	o
Travel pedals and hand levers	•
Adjustable operator seat and joystick control console	•
Heater & air-conditioner, automatic	o
air-conditioner, automatic	o
AM/FM/USB/Bluetooth stereo with Keypad	•
Large storage area	•
Pull-up type front window	•
Removable lower windshield	•

Digging equipment

Boom: 6.45 m HD	o
Boom: 6.2 m ME	o
Arm: 3.2 m HD	o
Arm: 2.6 m ME	o

Safety and security

Travel alarm, beep / white noise	o
Flashing beacon, LED	•
Rear view camera	•
Side view camera	o
HD VSV (Volvo Smart View)	o

Service and maintenance

Swing out A/C condenser	•
Fuel filler pump	o
Jump start connector	o
Tool kit	o

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.



V O L V O