

VOLVO EXCAVATOR

EC360

LONG CRAWLER / NARROW LONG CRAWLER



- Engine power, gross:
198 kW (265 hp)
- Operating weight:
 - LC: 36.8 ~ 38.1 t
 - NLC: 35.1 ~ 36.7 t
- Buckets (SAE):
1500 ~ 2100 l
- Low-emission, turbocharged Cummins diesel engine with direct injection
- Integrated mode selection system and electronically controlled system (ACS)
- 2 variable displacement axial piston pumps. Independent and simultaneous movements of the digging equipment are controlled by the "Automatic sensing work mode".
- Cab
 - Ergonomic environment
 - Low sound level
 - Filtered air
 - Hydraulic dampening mounts
- Strong digging equipment, produced by robotic welding
- High lifting, breakout and tearout forces for tough digging conditions
- Undercarriage
 - LC: Long undercarriage for good stability
 - NLC: Narrow width for easy transportation
- Auxiliary hydraulic valve as standard
- Prepared for a number of optional items

VOLVO



ENGINE

The engine is a low-emission, turbocharged, 4-stroke diesel engine with water cooling, direct injection and aftercooler, especially developed for excavator use.

The machine can work at any job site, contributing to good fuel economy, low sound level, less wear and a longer life.

Air filter: 3-stage, includes pre-cleaner

Automatic idling system: Reduces the engine speed to an idling speed when levers and pedals are not activated.

Maker	CUMMINS
Model	M11-C
Power output at	28 r/s (1700 rpm)
Net (ISO 9249/DIN 6271)	184 kW (250 ps / 247 hp)
Gross (SAE J1349).....	198 kW (269 ps / 265 hp)
Max. torque	1177 N·m (120 kg·m)
	at 1300 rpm
No. of cylinders	6
Displacement	10.8 l
Bore	125 mm
Stroke	147 mm



ELECTRICAL SYSTEM

Well-protected electrical system with high capacity. Double lock harness plugs are waterproof to ensure secure connections and prevent corrosion.

The relays and solenoid valves are shielded to prevent accidental damage or terminal contact.

The master switch, for disconnecting the battery, is standard.

ACS system, providing integrated mode selection functions and self-diagnostic mode, is standard.

Voltage	24 V
Batteries	2 X 12 V
Battery capacity.....	200 Ah
Alternator	24 V / 50 A



SWING SYSTEM

The superstructure is swung by the means of an axial piston motor and a planetary reduction unit. Automatic swing holding brake is standard.

Max. swing speed	9.5 rpm
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SERVICE REFILL CAPACITIES

Fuel tank	565 l
Hydraulic system, total	500 l
Hydraulic tank	235 l
Engine oil	34 l
Engine coolant	49 l
Swing reduction unit	6 l
Travel reduction units	2 X 5.5 l



UNDERCARRIAGE

The undercarriage has an X-shaped frame.

The greased and sealed track chain is standard.

No. of track pads	
LC	2 X 50
NLC	2 X 48
Link pitch	
LC	216 mm
NLC	216 mm
Shoe width, triple grouser	
LC	600/700/800/900 mm
NLC	600/700/800 mm
Shoe width, double grouser	600 mm
No. of lower track rollers	
LC	2 X 9
NLC	2 X 8
No. of upper rollers	
LC	2 X 2
NLC	2 X 2



DRIVE

Each track is powered by an automatic two-speed travel motor.

The track brakes are multi-disc, spring-applied and hydraulically released.

The travel motors, brake and planetary gears are well-protected in the track frame.

Max. tractive effort	256.9 kN
	(26200 kg)
Max. travel speed (1st/2nd).....	3.2/4.4 km/h
Gradeability.....	35° (70 %)



HYDRAULIC SYSTEM

The hydraulic system, named "Automatic Sensing Work Mode", is designed for high productivity, high digging capacity, high maneuvering precision and good fuel economy.

The summation system, boom priority, arm priority, swing priority, and regeneration system of the boom and arm flows are provided for the best operation.

The following important functions are included in the system ;

Summation system: providing full use of the pump oil flow.

Boom priority: gives priority to the boom operation for fast raising when loading or deep excavating.

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

Swing priority: supplies priority to the swing operation for faster swing during simultaneous operations.

Regeneration system: enhances the cylinder life cycle to prevent cavitation and provides priority to other movements during simultaneous operations.

Power boost: All digging and lifting forces are increased.

Holding valves: Boom and arm holding valves are standard.

Power Max: All function speeds are increased.

Pumps

Main pump:

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

Pilot pump:

Type Gear pump
Maximum flow 25.5 l/min

Hydraulic motors

Travel 2 X variable displacement axial piston motors
Swing Fixed displacement piston motor
with mechanical brake

Relief valve setting

Attachment 31.4/34.3 MPa (320/350 kg/cm²)
Travel circuit 34.3 MPa (350 kg/cm²)
Swing circuit 25.5 MPa (260 kg/cm²)
Pilot circuit 3.9 MPa (40 kg/cm²)

Hydraulic cylinders

Monobloc boom 2
bore X stroke \varnothing 160 mm X 1530 mm
Arm 1
bore X stroke \varnothing 170 mm X 1760 mm
Bucket 1
bore X stroke \varnothing 150 mm X 1305 mm



CAB

Easily accessible cab with a wide door and lined with sound-absorbing material.

The cab, which is supported by hydraulic dampening mounts to reduce shock and vibration, has all-around visibility.

The front windshield can slide up into the ceiling and the lower front glass can be removed.

Integrated air-conditioning and heating system:

The pressurized and filtered cab air is supplied by a 4-speed fan. The air is distributed via 8 vents.

Ergonomic operator's seat: The adjustable seat and control consoles move independently to accommodate the operator well. The seat has eight different adjustments and a seat belt to meet any operator's requirement.

Sound level: Approved according to the Directive 86/662/EEC.

Exterior noise (ISO 6395)	
mean value of L _{WA} (sound power level)	105 dB(A)
Operator's position (ISO 6396)	
with the door closed	
mean value of L _{PA} (sound pressure level)	75 dB(A)



GROUND PRESSURE

● Long crawler machine with 6.45 m boom, 3.1 m arm, 1610 l (1460 kg) bucket and 7000 kg counterweight.

Description	Shoe width	Operating weight	Ground pressure	Overall width
Triple grouser	600 mm	36800 kg	65.7 kPa (0.67 kg/cm ²)	3350 mm
	700 mm	37240 kg	56.9 kPa (0.58 kg/cm ²)	3450 mm
	800 mm	37670 kg	51.0 kPa (0.52 kg/cm ²)	3550 mm
	900 mm	38110 kg	45.1 kPa (0.46 kg/cm ²)	3650 mm
Double grouser	600 mm	36910 kg	65.7 kPa (0.67 kg/cm ²)	3350 mm

● Narrow long crawler machine with 6.45 m boom, 3.1 m arm, 1610 l (1460 kg) bucket and 6200 kg counterweight.

Description	Shoe width	Operating weight	Ground pressure	Overall width
Triple grouser	600 mm	35090 kg	65.7 kPa (0.67 kg/cm ²)	2990 mm
	700 mm	35510 kg	56.9 kPa (0.58 kg/cm ²)	3090 mm
	800 mm	35930 kg	51.0 kPa (0.52 kg/cm ²)	3190 mm
Double grouser	600 mm	35200 kg	66.7 kPa (0.68 kg/cm ²)	2990 mm

● Narrow long crawler machine with 6.45 m boom, 3.1 m arm, 1610 l (1460 kg) bucket and 7000 kg counterweight.

Description	Shoe width	Operating weight	Ground pressure	Overall width
Triple grouser	600 mm	35890 kg	67.7 kPa (0.69 kg/cm ²)	2990 mm
	700 mm	36310 kg	58.8 kPa (0.60 kg/cm ²)	3090 mm
	800 mm	36730 kg	52.0 kPa (0.53 kg/cm ²)	3190 mm
Double grouser	600 mm	35995 kg	67.7 kPa (0.69 kg/cm ²)	2990 mm

BUCKET & ARM COMBINATION

● Volvo GP bucket (curved side) and 7000 kg counterweight.

Bucket	Direct fit - GP bucket				Quick fit - GP bucket	
	1500 / 1350 l	1700 / 1520 l	1900 / 1690 l	2100 / 1860 l	1500 / 1350 l	1700 / 1520 l
Bucket capacity (SAE / CECE)	1500 / 1350 l	1700 / 1520 l	1900 / 1690 l	2100 / 1860 l	1500 / 1350 l	1700 / 1520 l
Cutting width	1350 mm	1500 mm	1650 mm	1790 mm	1350 mm	1500 mm
Weight	1340 kg	1465 kg	1625 kg	1760 kg	1320 kg	1450 kg
No. of teeth	5	5	5	6	5	5
Boom 6.0 m + Arm 2.6 m	◎	◎	◎	○	◎	◎
Boom 6.45 m + Arm options	2.6 m	◎	○	□	◎	◎
	3.1 m	◎	◎	□	◎	○
	3.9 m	○	□	□	○	□

◎ : Applicable for material density up to 2.0 t/m³
○ : Applicable for material density up to 1.8 t/m³

□ : Applicable for material density up to 1.5 t/m³
△ : Applicable for material density up to 1.2 t/m³

BUCKET & ARM COMBINATION

Note: 1. Bucket size based on SAE-J296, 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.

● Max. permitted sizes for direct fit buckets:

Long crawler machine with counterweight 7000 kg

Description	unit	6.0 m Boom	6.45 m Boom		
		2.6 m Arm	2.6 m Arm	3.1 m Arm	3.9 m Arm
GP bucket 1.5 t/m ³	l	2975	2700	2475	2175
GP bucket 1.8 t/m ³	l	2600	2375	2175	1900
RB bucket 1.8 t/m ³	l	2400	2175	2000	1750
RB bucket 2.0 t/m ³	l	2225	2025	1850	1625

● Max. permitted sizes for quick fit buckets:

Long crawler machine with counterweight 7000 kg

Description	unit	6.0 m Boom	6.45 m Boom		
		2.6 m Arm	2.6 m Arm	3.1 m Arm	3.9 m Arm
GP bucket 1.5 t/m ³	l	2850	2575	2350	2050
GP bucket 1.8 t/m ³	l	2475	2250	2050	1800
RB bucket 1.8 t/m ³	l	2300	2075	1900	1650
RB bucket 2.0 t/m ³	l	2125	1925	1750	1525

● Max. permitted sizes for direct fit buckets:

Narrow long crawler machine with counterweight 6200 kg / 7000 kg *

Description	unit	6.0 m Boom	6.45 m Boom		
		2.6 m Arm	2.6 m Arm	3.1 m Arm	3.9 m Arm
GP bucket 1.5 t/m ³	l	2325 / 2500 *	2100 / 2275 *	1925 / 2075 *	1675 / 1800 *
GP bucket 1.8 t/m ³	l	2025 / 2200 *	1865 / 1975 *	1675 / 1825 *	1450 / 1575 *
RB bucket 1.8 t/m ³	l	1875 / 2025 *	1700 / 1825 *	1550 / 1675 *	1350 / 1450 *
RB bucket 2.0 t/m ³	l	1750 / 1875 *	1575 / 1700 *	1450 / 1550 *	1250 / 1350 *

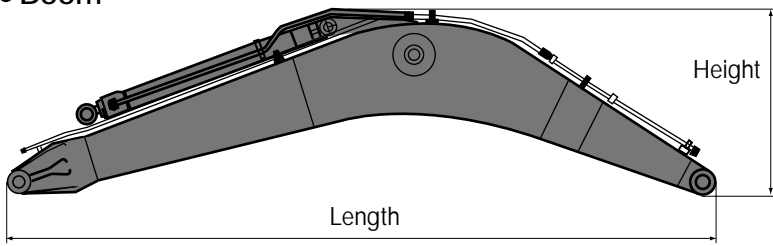
● Max. permitted sizes for quick fit buckets:

Narrow long crawler machine with counterweight 6200 kg / 7000 kg *

Description	unit	6.0 m Boom	6.45 m Boom		
		2.6 m Arm	2.6 m Arm	3.1 m Arm	3.9 m Arm
GP bucket 1.5 t/m ³	l	2175 / 2375 *	1975 / 2150 *	1775 / 1950 *	1525 / 1675 *
GP bucket 1.8 t/m ³	l	1900 / 2075 *	1725 / 1875 *	1550 / 1700 *	1325 / 1475 *
RB bucket 1.8 t/m ³	l	1775 / 1925 *	1575 / 1725 *	1450 / 1575 *	1225 / 1350 *
RB bucket 2.0 t/m ³	l	1625 / 1775 *	1475 / 1600 *	1325 / 1450 *	1150 / 1250 *

DIMENSIONS

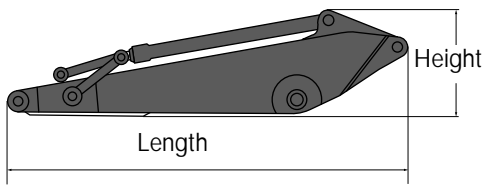
● Boom



Description	6.0 m	6.45 m
Length	6250 mm	6700 mm
Height	1760 mm	1800 mm
Width	820 mm	820 mm
Weight *	3215 kg	3280 kg

* Includes cylinder, piping and pin

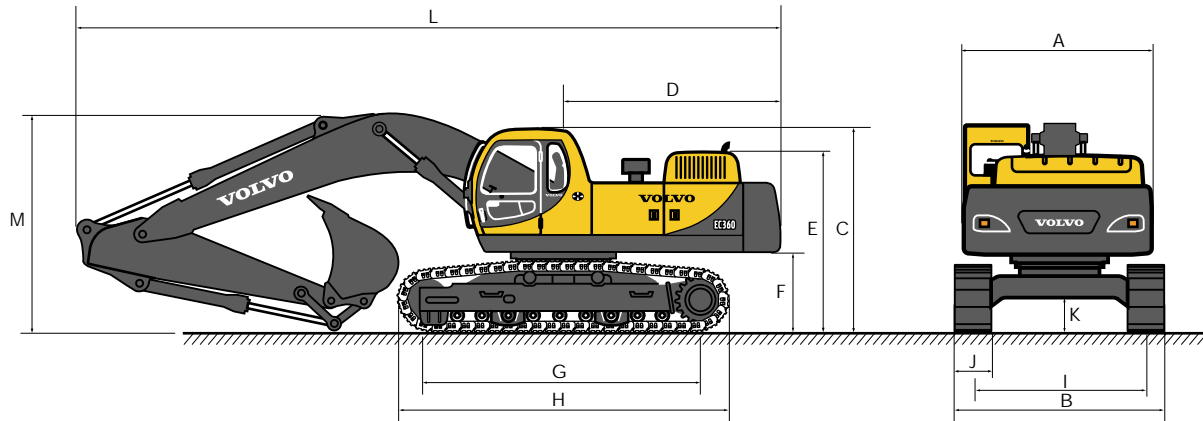
● Arm



Description	2.6 m	3.1 m	3.9 m
Length	3780 mm	4260 mm	5080 mm
Height	1145 mm	1145 mm	1140 mm
Width	560 mm	560 mm	560 mm
Weight *	1885 kg	2000 kg	2255 kg

* Includes cylinder, linkage and pins

DIMENSIONS



● Long crawler machine

Description	unit	6.0 m Boom		6.45 m Boom	
		2.6 m Arm	2.6 m Arm	3.1 m Arm	3.9 m Arm
A. Overall width of upper structure	mm	2970	2970	2970	2970
B. Overall width	mm	3350	3350	3350	3350
C. Overall height of cab	mm	3190	3190	3190	3190
D. Tail swing radius	mm	3380	3380	3380	3380
E. Overall height of engine hood	mm	2810	2810	2810	2810
F. Counterweight clearance*	mm	1230	1230	1230	1230
G. Tumbler length	mm	4240	4240	4240	4240
H. Track length	mm	5180	5180	5180	5180
I. Track gauge	mm	2750	2750	2750	2750
J. Shoe width	mm	600	600	600	600
K. Min. ground clearance*	mm	500	500	500	500
L. Overall length	mm	10710	11160	11090	11130
M. Overall height of boom	mm	3620	3630	3460	3800

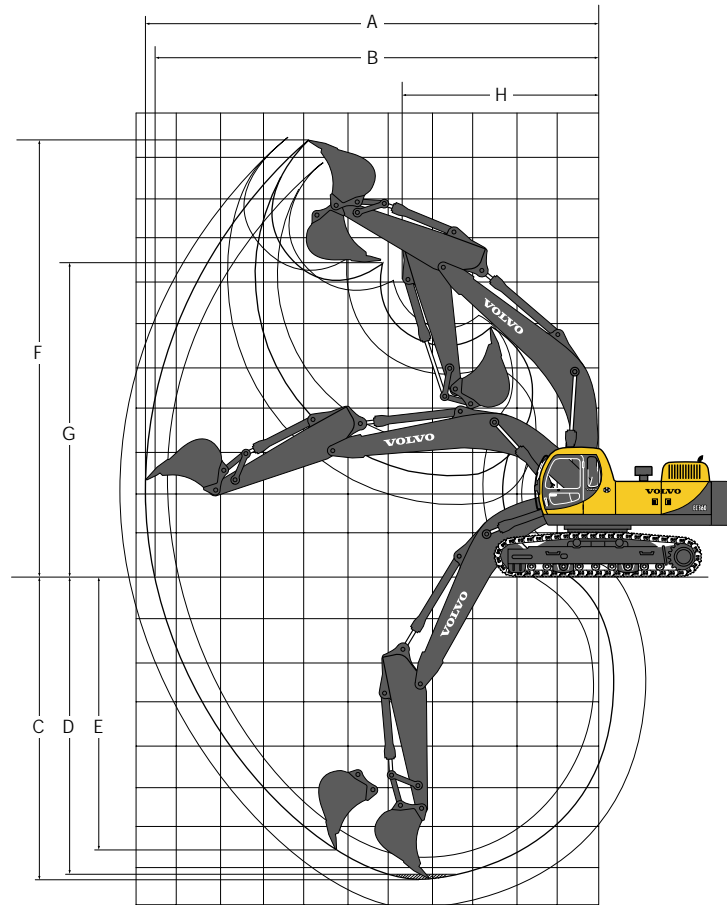
* Without shoe grouser

● Narrow long crawler machine

Description	unit	6.0 m Boom		6.45 m Boom	
		2.6 m Arm	2.6 m Arm	3.1 m Arm	3.9 m Arm
A. Overall width of upper structure	mm	2970	2970	2970	2970
B. Overall width	mm	2990	2990	2990	2990
C. Overall height of cab	mm	3190	3190	3190	3190
D. Tail swing radius	mm	3380	3380	3380	3380
E. Overall height of engine hood	mm	2810	2810	2810	2810
F. Counterweight clearance*	mm	1230	1230	1230	1230
G. Tumbler length	mm	4020	4020	4020	4020
H. Track length	mm	4965	4965	4965	4965
I. Track gauge	mm	2390	2390	2390	2390
J. Shoe width	mm	600	600	600	600
K. Min. ground clearance*	mm	500	500	500	500
L. Overall length	mm	10710	11160	11090	11130
M. Overall height of boom	mm	3620	3630	3460	3800

* Without shoe grouser

WORKING RANGES



● Machine with direct fit bucket

Description	unit	6.0 m Boom		6.45 m Boom	
		2.6 m Arm	2.6 m Arm	3.1 m Arm	3.9 m Arm
A. Max. digging reach	mm	10270	10710	11200	11900
B. Max. digging reach on ground	mm	10040	10490	10990	11710
C. Max. digging depth	mm	6630	7030	7530	8330
D. Max. digging depth (8° level)	mm	6450	6850	7370	8200
E. Max. vertical wall digging depth	mm	5790	6090	6620	7150
F. Max. cutting height	mm	10010	10260	10550	10730
G. Max. dumping height	mm	6810	7080	7360	7590
H. Min. front swing radius	mm	4300	4640	4690	4640















● Digging forces with direct fit bucket:

Description	unit	2.6 m Arm	2.6 m Arm	3.1 m Arm	3.9 m Arm
Bucket tip radius	mm	1700	1700	1700	1700
Breakout force-bucket (Normal / Power boost)	SAE kN (kg)	195.7 / 214.1 (19960 / 21830)	195.7 / 214.1 (19960 / 21830)	195.7 / 214.1 (19960 / 21830)	195.7 / 214.1 (19960 / 21830)
Breakout force-bucket (Normal / Power boost)	ISO kN (kg)	227.0 / 248.3 (23150 / 25320)	227.0 / 248.3 (23150 / 25320)	227.0 / 248.3 (23150 / 25320)	227.0 / 248.3 (23150 / 25320)
Tearout force-arm (Normal / Power boost)	SAE kN (kg)	176.9 / 193.5 (18040 / 19730)	176.9 / 193.5 (18040 / 19730)	150.5 / 164.6 (15350 / 16790)	130.7 / 143.0 (13300 / 14580)
Tearout force-arm (Normal / Power boost)	ISO kN (kg)	184.4 / 201.6 (18800 / 20560)	184.4 / 201.6 (18800 / 20560)	156.0 / 170.6 (15910 / 17400)	134.6 / 147.3 (13730 / 15020)
Rotation angle, bucket	°	182°	182°	182°	182°

LIFTING CAPACITY (At the arm end without bucket)

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

EC360 long crawler (Shoe 600 mm, Counterweight 7000 kg)



 Across under-carriage  Along under-carriage	Lifting hook related to ground level	4.5 m		6 m		7.5 m		9 m		Max.reach				
		kg		kg		kg		kg		kg		kg	kg	Max. mm
														
Boom 6.0 m + Arm 2.6 m	7.5 m			*10060	*10060					*8740	*8740	6633		
	6 m			*10440	*10440	7650	*9910			7420	*8200	7629		
	4.5 m	*14510	*14510	10650	*11880	7530	*10750			6450	*8080	8232		
	3 m	15490	*18670	10140	*13780	7300	11400			5990	*8290	8527		
	1.5 m	14670	*21680	9700	*15500	7070	11150			5860	*8810	8548		
	0 m	14360	*22740	9440	15480	6930	10980			6050	9490	8296		
	-1.5 m	14360	*22350	9370	15400	6920	10980			6650	10500	7744		
	-3 m	14580	*20550	9510	*15350					8040	*12820	6818		
-4.5 m	15110	*16130							11830	*12890	5319			
Boom 6.45 m + Arm 2.6 m	7.5 m									8220	*8980	7198		
	6 m			*10020	*10020	7650	*9590			6660	*8560	8123		
	4.5 m	*14900	*14900	10470	*11660	7440	*10250			5860	*8500	8691		
	3 m			9900	*13630	7170	*11240			5460	8510	8971		
	1.5 m			9440	*15320	6920	10980			5340	8370	8991		
	0 m	14010	*17900	9200	15210	6760	10800			5480	8640	8752		
	-1.5 m	14050	*21990	9140	15140	6720	10760			5970	9450	8231		
	-3 m	14260	*20470	9250	15280					7040	11230	7368		
-4.5 m	14710	*17200	9680	*12330					9650	*12280	6013			
Boom 6.45 m + Arm 3.1 m	7.5 m					7800	*8070			*5770	*5770	7798		
	6 m					7740	*8820			*5500	*5500	8658		
	4.5 m	*13360	*13360	10610	*10800	7500	*9610	5560	*7570	5350	*5460	9192		
	3 m	15280	*17700	10010	*12860	7200	*10690	5440	8480	5010	*5580	9457		
	1.5 m	14340	*18800	9490	*14730	6920	10990	5300	8330	4900	*5890	9476		
	0 m	13970	*19620	9180	15200	6720	10770	5210	8230	5020	*6440	9250		
	-1.5 m	13920	*22230	9060	15060	6640	10680			5400	*7370	8760		
	-3 m	14070	*21140	9110	15120	6710	10750			6230	*9100	7955		
-4.5 m	14440	*18570	9390	*13850					8080	*11660	6723			
Boom 6.45 m + Arm 3.9 m	7.5 m									*4590	*4590	8647		
	6 m					*7600	*7600	5710	*6720	*4420	*4420	9428		
	4.5 m					7570	*8500	5600	*8140	*4400	*4400	9921		
	3 m	*15130	*15130	10150	*11440	7220	*9680	5420	8480	4400	*4520	10166		
	1.5 m	14540	*18990	9530	*13540	6880	*10910	5230	8280	4300	*4760	10184		
	0 m	13870	*21260	9100	15140	6620	10680	5080	8110	4370	*5190	9974		
	-1.5 m	13630	*22050	8870	14870	6460	10510	5010	8030	4640	*5880	9522		
	-3 m	13670	*21660	8830	14830	6440	10480			5220	*7090	8789		
-4.5 m	13920	*20010	8990	*14960	6620	10680			6410	*9480	7694			
-6 m	14480	*16230	9470	*11420					9390	*11290	6037			

- Notes :
1. Machine in "Fine Mode-F" (Power Boost), for lifting capacities
 2. The above loads are in compliance with SAE and ISO 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)

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

EC360 narrow long crawler (Shoe 600 mm, Counterweight 6200 kg)



 Across under-carriage  Along under-carriage	Lifting hook related to ground level	4.5 m		6 m		7.5 m		9 m		Max.reach		Max. mm
		kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	
Boom 6.0 m + Arm 2.6 m	7.5 m			9050	*10060					7560	*8740	6633
	6 m			8900	*10440	6100	*9910			5910	*8200	7629
	4.5 m	13190	*14510	8490	*11880	5980	10090			5100	*8080	8232
	3 m	12040	*18670	8000	*13780	5760	9830			4700	8020	8527
	1.5 m	11270	*21680	7570	13500	5540	9590			4580	7870	8548
	0 m	10980	21460	7320	13210	5400	9430			4710	8160	8296
	-1.5 m	10980	21460	7260	13140	5390	9420			5190	9020	7744
	-3 m	11180	*20550	7400	13300					6290	11020	6818
	-4.5 m	11690	*16130							9260	*12890	5319
Boom 6.45 m + Arm 2.6 m	7.5 m									6570	*8980	7198
	6 m			8800	*10020	6100	*9590			5270	*8560	8123
	4.5 m	12770	*14900	8310	*11660	5900	10000			4600	7830	8691
	3 m			7760	*13630	5630	9700			4250	7320	8971
	1.5 m			7330	13230	5390	9420			4140	7190	8991
	0 m	10640	*17900	7090	12950	5230	9250			4250	7410	8752
	-1.5 m	10680	21100	7030	12880	5200	9210			4630	8100	8231
	-3 m	10890	*20470	7150	13010					5480	9630	7368
	-4.5 m	11310	*17200	7550	*12330					7530	*12280	6013
Boom 6.45 m + Arm 3.1 m	7.5 m					6250	*8070			*5770	*5770	7798
	6 m					6180	*8820			4750	*5500	8658
	4.5 m	13130	*13360	8440	*10800	5950	*9610	4360	7430	4190	*5460	9192
	3 m	11840	*17700	7870	*12860	5660	9740	4240	7300	3890	*5580	9457
	1.5 m	10950	*18800	7370	13300	5380	9430	4100	7150	3780	*5890	9476
	0 m	10610	*19620	7070	12940	5190	9210	4010	7050	3860	*6440	9250
	-1.5 m	10560	20960	6950	12800	5110	9120			4160	7330	8760
	-3 m	10700	21140	7010	12870	5180	9200			4830	8500	7955
	-4.5 m	11050	*18570	7270	13170					6290	11140	6723
Boom 6.45 m + Arm 3.9 m	7.5 m									*4590	*4590	8647
	6 m					6290	*7600	4500	*6720	4090	*4420	9428
	4.5 m					6020	*8500	4390	7490	3630	*4400	9921
	3 m	12290	*15130	8000	*11440	5680	*9680	4210	7290	3380	*4520	10166
	1.5 m	11130	*18990	7400	13370	5350	9410	4030	7090	3280	*4760	10184
	0 m	10500	20940	6980	12870	5090	9120	3880	6930	3320	*5190	9974
	-1.5 m	10280	20650	6770	12610	4940	8950	3810	6850	3530	*5880	9522
	-3 m	10310	20690	6730	12570	4920	8930			3990	*7090	8789
	-4.5 m	10550	*20010	6880	12750	5090	9120			4940	8810	7694
-6 m	11070	*16230	7340	*11420					7280	*11290	6037	

- Notes : 1. Machine in "Fine Mode-F" (Power Boost), for lifting capacities
 2. The above loads are in compliance with SAE and ISO 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)

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

EC360 narrow long crawler (Shoe 600 mm, Counterweight 7000 kg)

 Across under-carriage  Along under-carriage	Lifting hook related to ground level	4.5 m		6 m		7.5 m		9 m		Max.reach		Max. mm
		kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	
Boom 6.0 m + Arm 2.6 m	7.5 m			9610	*10060					8050	*8740	6633
	6 m			9450	*10440	6530	*9910			6320	*8200	7629
	4.5 m	14010	*14510	9050	*11880	6400	10640			5480	*8080	8232
	3 m	12860	*18670	8550	*13780	6180	10380			5060	*8290	8527
	1.5 m	12080	*21680	8130	14270	5960	10140			4940	8340	8548
	0 m	11800	*22680	7880	13970	5820	9980			5090	8640	8296
	-1.5 m	11800	*22350	7810	13900	5810	9970			5590	9550	7744
	-3 m	12000	*20550	7950	14060					6760	11650	6818
	-4.5 m	12500	*16130							9900	*12890	5319
Boom 6.45 m + Arm 2.6 m	7.5 m									7020	*8980	7198
	6 m			9360	*10020	6520	*9590			5660	*8560	8123
	4.5 m	13590	*14900	8870	*11660	6320	*10250			4950	8290	8691
	3 m			8320	*13630	6050	10250			4590	7760	8971
	1.5 m			7880	13990	5810	9980			4480	7620	8991
	0 m	11460	*17900	7640	13710	5650	9800			4600	7860	8752
	-1.5 m	11500	*21990	7590	13640	5620	9760			5000	8590	8231
	-3 m	11700	*20470	7700	13770					5910	10190	7368
	-4.5 m	12130	*17200	8110	*12330					8090	*12280	6013
Boom 6.45 m + Arm 3.1 m	7.5 m					6670	*8070			*5770	*5770	7798
	6 m					6600	*8820			5100	*5500	8658
	4.5 m	*13360	*13360	9000	*10800	6370	*9610	4700	*7570	4520	*5460	9192
	3 m	12650	*17700	8420	*12860	6080	10290	4580	7730	4210	*5580	9457
	1.5 m	11770	*18800	7930	14060	5800	9980	4440	7590	4100	*5890	9476
	0 m	11420	*19620	7620	13700	5610	9770	4350	7490	4190	*6440	9250
	-1.5 m	11380	*22180	7510	13560	5530	9680			4510	*7370	8760
	-3 m	11520	*21140	7560	13630	5600	9750			5220	9010	7955
	-4.5 m	11860	*18570	7830	*13850					6770	*11660	6723
Boom 6.45 m + Arm 3.9 m	7.5 m									*4590	*4590	8647
	6 m					6710	*7600	4840	*6720	4410	*4420	9428
	4.5 m					6440	*8500	4730	7920	3930	*4400	9921
	3 m	13100	*15130	8550	*11440	6100	*9680	4550	7730	3670	*4520	10166
	1.5 m	11940	*18990	7960	*13540	5770	9970	4370	7520	3570	*4760	10184
	0 m	11310	*21260	7540	13630	5510	9670	4220	7360	3620	*5190	9974
	-1.5 m	11090	*21870	7320	13380	5360	9500	4150	7290	3850	*5880	9522
	-3 m	11120	*21660	7290	13330	5340	9480			4340	*7090	8789
	-4.5 m	11360	*20010	7430	13510	5510	9670			5340	9350	7694
-6 m	11890	*16230	7890	*11420					7830	*11290	6037	

- Notes :
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STANDARD EQUIPMENT

Engine

Low-emission engine with air heater, complying with EPA (Environment Protection Agency, USA) emission standards
2-stage air filter with indicator
Air pre-cleaner
Electric engine shut-off
Fuel filter and water separator

Electronic control system

Advanced control system (ACS)
Integrated mode selection system
Self-diagnostic system
Machine status indication
Engine speed sensing power control
"Power Max" mode system

Automatic idling system
One-touch power boost
Automatic engine warm-up
Safety stop/start function
Adjustable monitor
Master disconnect switch
Engine restart prevention circuit
Powerful halogen lights :
- Frame mounted 2
- Boom mounted 4
Batteries, 2 X 12V/200Ah
Start motor, 24V/7.8kW

Hydraulic system

Automatic sensing work mode
- Summation system
- Boom priority
- Arm priority
- Swing priority
Boom and arm flow regeneration

Boom and arm holding valves
Multi-stage filtering system
Cylinder cushions
Cylinder contamination seals
Straight travel circuit
Automatic two-speed travel motors
Hydraulic oil, ISO VG 46

Superstructure

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

Cab and interior

Hydraulic dampening cab mounts
Adjustable operator seat and control console
Flexible antenna
Hydraulic safety lock lever

Cab, all-weather sound suppressed, includes :
- Ashtray
- Cigar lighter
- 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
Master ignition key

Undercarriage

Hydraulic track adjusters
Greased and sealed track chain
Track guards

ALTERNATIVE EQUIPMENT

Engine

Alternator, 50A / 70A
Fuel filler pump: 35 lpm / 50 lpm / 50 lpm, with automatic shut-off

Hydraulic system

Pilot-operated wrist control joysticks
- Semi-long joysticks
- Joysticks, with 3 switches ea.
- Joysticks, with 5 switches ea.

Cab and interior

Leather seat
Fabric seat
Fabric seat, with heater
Fabric seat, with heater and air suspension

Track shoes

LC: 600/700/800/900 mm track shoes with triple grousers
NLC: 600/700/800 mm track shoes with triple grousers
600 mm track shoes with double grousers

Superstructure

Counterweight, 7000 kg
6200 kg (for NLC)

Digging equipment

Boom: 6.0 m monobloc
6.45 m monobloc
Arm: 2.6 / 3.1 / 3.9 m

Undercarriage

LC (Long crawler)
NLC (Narrow long crawler)

OPTIONAL EQUIPMENT (Standard in certain markets)

Engine

Block and oil pan heater: 120V, 240V
Fuel warmer
Tropical kit

Electronic control system

Pump flow control for hammer & shear
Work lights (4):
- Cab-mounted 3 (front 2, rear 1)
- Counterweight-mounted 1
Overload warning device
Rotating warning beacon
Travel alarm

Hydraulic system

Hose rupture protection valve: boom, arm
Hydraulic piping
- Hammer & shear:
1 pump flow
2 pump flow
Additional return filter
Extra piping for slope & rotator
- Slope & rotator
- Grapple
- Oil leak line
Volvo hydraulic quick-fit, S3 size
Hydraulic oil, ISO VG 32
Hydraulic oil, ISO VG 68

Superstructure

Undercover (heavy duty)

Cab and interior

Air-conditioner
Heater
Falling object guard (FOG)
Cab mounted falling object protective structures (FOPS)
Rain shield, front
Sun shield, front
Clear tinted roof hatch
Stereo cassette radio (AM/FM)
Safety mesh for front window
Anti-vandalism kit
Sliding rear window
Specific key

Undercarriage

Full track guards
Undercover (heavy duty)

Service

Hand lamp
Spare parts
Tool kit

All products are not available on 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

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Equipment Group

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