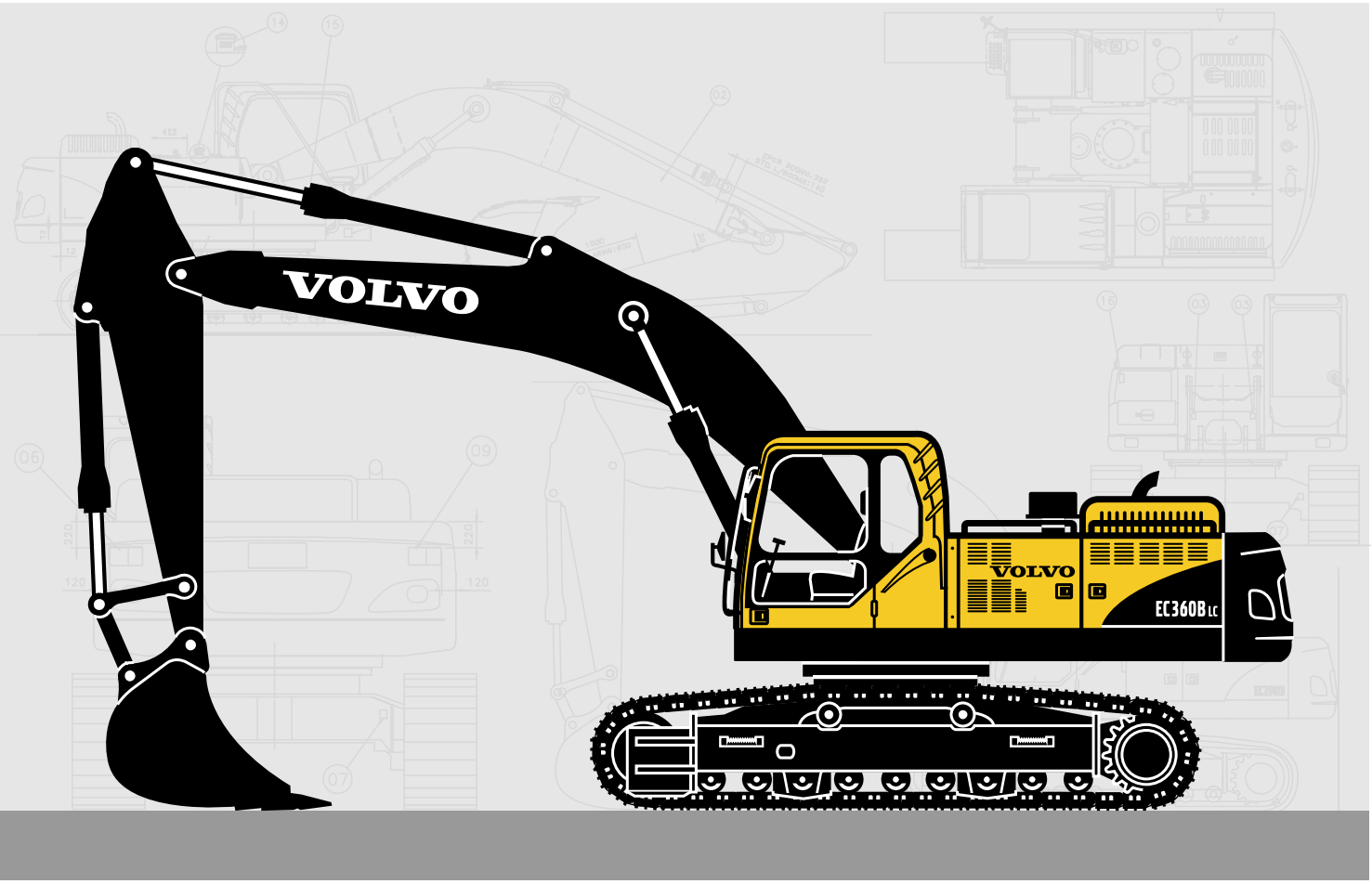
VOLVO EXCAVATOR

EC360B LC
EC360B NLC



- **Engine power, gross: 198 kW (265 hp)**
- **Operating weight: LC: 37,8 ~ 39,2 t NLC: 37,5 ~ 38,9 t**
- **Buckets (SAE): 1 350 ~ 3 000 l**

- Turbocharged VOLVO diesel engine with direct injection and charged air cooler meets EU Stage IIIA requirements
- Contronics, Volvo's advanced mode selection system and electronically controlled system
- 2 variable displacement axial piston pumps. Independent and simultaneous movements of the digging equipment are controlled by "Automatic Sensing Work Mode".
- Cab
  - Ergonomic environment for easier operator use
  - 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: Longer undercarriage for excellent stability
  - NLC: Narrow width for easy transportation
- Auxiliary hydraulic valve is standard
- Prepared for a number of optional items

VOLVO

ENGINE

The next-generation Volvo diesel engine uses Volvo Advanced Combustion Technology (V-ACT) to deliver lower emissions and maintain superior performance and fuel efficiency. The Stage IIIA compliant engine uses precise, high-pressure fuel injectors, internal recirculation of engine exhaust and electronic engine controls to optimize machine performance.

Air Filter: 3-stage, and pre-cleaner

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.

Low-Emission Engine:

Make	VOLVO
Model	D12D EBE3
Power output at	28 r/s (1 700 rpm)
Net (ISO 9249/ DIN 6271)	184 kW (250 ps / 247 hp)
Gross (SAE J1995)	198 kW (269 ps / 265 hp)
Max. torque	1 475 N·m at 1 275 rpm
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. The master switch is standard.

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

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

SERVICE REFILL CAPACITIES

Fuel tank	620 l
Hydraulic system, total	500 l
Hydraulic tank	220 l
Engine oil	42 l
Engine coolant	60 l
Slew reduction unit	6,0 l
Travel reduction unit	2 x 5,5 l

SLEW SYSTEM

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

Max. slew speed	9,7 rpm

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
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 shoes	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 "Automatic Sensing Work Mode", is designed for high-productivity, high-digging capacity, high-maneuvering precision and good fuel economy. The summation system, boom, arm and slew 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.

Slew priority: Gives priority to slew 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.

Power Max: All function speeds are increased.

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 motor with mechanical brake
Slew	Fixed displacement axial piston motor with mechanical brake

Relief valve setting:

Implement	31,4 / 34,3 Mpa
Travel circuit	34,3 Mpa
Slew circuit	25,5 Mpa
Pilot circuit	3,9 Mpa

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 to for the operator's comfort and safety.

Sound Level:

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	LwA105 dB(A)

GROUND PRESSURE

• **Long crawler machine with** 6,45 m HD boom, 3,2 m HD arm, 1 610 l (1 460 kg) bucket and 7 250 kg counterweight.

Description	Shoe width	Operating weight	Ground pressure	Overall width
Triple grouser	600 mm	37 800 kg	67,7 kPa	3 340 mm
	700 mm	38 290 kg	58,8 kPa	3 440 mm
	800 mm	38 720 kg	53,0 kPa	3 540 mm
	900 mm	39 160 kg	47,1 kPa	3 640 mm
Double grouser	600 mm	37 960 kg	68,6 kPa	3 340 mm

• **Narrow long crawler machine with** 6,45 m HD boom, 3,2 m HD arm, 1 610 l (1 460 kg) bucket and 7 250 kg counterweight.

Description	Shoe width	Operating weight	Ground pressure	Overall width
Triple grouser	600 mm	37 540 kg	67,2 kPa	2 990 mm
	700 mm	38 030 kg	58,8 kPa	3 090 mm
	800 mm	38 460 kg	52,0 kPa	3 190 mm
	900 mm	38 900 kg	47,1 kPa	3 290 mm
Double grouser	600 mm	37 700 kg	67,7 kPa	2 990 mm

MAX. PERMITTED BUCKETS

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.

- Max. permitted **sizes for direct fit buckets:**
  Long crawler machine with counterweight 7 250 kg

Description	Unit	6,2 m ME boom	6,45 m HD boom		
		2,6 m Arm	2,6 m Arm	3,2 m HD arm	3,9 m Arm
GP bucket 1,5 t/m³	l	3 000	2 825	2 600	2 375
GP bucket 1,8 t/m³	l	2 625	2 475	2 275	2 075
HD bucket 1,8 t/m³	l	2 425	2 300	2 100	1 925
HD bucket 2,0 t/m³	l	2 250	2 125	1 950	1 775

- Max. permitted **sizes for quick fit buckets:**
  Long crawler machine with counterweight 7 250 kg

Description	Unit	6,2 m ME boom	6,45 m HD boom		
		2,6 m Arm	2,6 m Arm	3,2 m HD arm	3,9 m Arm
GP bucket 1,5 t/m³	l	2 850	2 700	2 475	2 250
GP bucket 1,8 t/m³	l	2 500	2 375	2 175	1 950
HD bucket 1,8 t/m³	l	2 300	2 175	2 000	1 800
HD bucket 2,0 t/m³	l	2 150	2 025	1 850	1 675

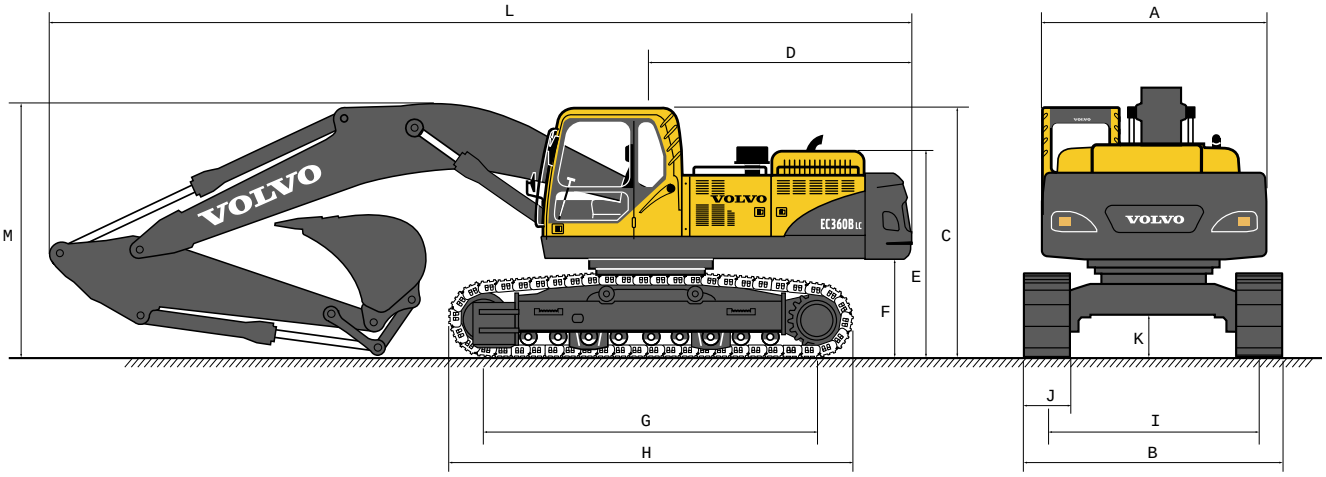
- Max. permitted **sizes for direct fit buckets:**
  Narrow long crawler machine with counterweight 7 250 kg

Description	Unit	6,2 m ME boom	6,45 m HD boom		
		2,6 m Arm	2,6 m Arm	3,2 m HD arm	3,9 m Arm
GP bucket 1,5 t/m³	l	2 450	2 300	2 125	1 925
GP bucket 1,8 t/m³	l	2 150	2 025	1 850	1 675
HD bucket 1,8 t/m³	l	1 975	1 850	1 700	1 550
HD bucket 2,0 t/m³	l	1 825	1 725	1 600	1 450

- Max. permitted **sizes for quick fit buckets:**
  Narrow long crawler machine with counterweight 7 250 kg

Description	Unit	6,2 m ME boom	6,45 m HD boom		
		2,6 m Arm	2,6 m Arm	3,2 m HD arm	3,9 m Arm
GP bucket 1,5 t/m³	l	2 325	2 175	1 975	1 800
GP bucket 1,8 t/m³	l	2 025	1 900	1 725	1 575
HD bucket 1,8 t/m³	l	1 875	1 750	1 600	1 450
HD bucket 2,0 t/m³	l	1 725	1 625	1 475	1 350

DIMENSIONS



• **Long crawler machine**

Description	Unit	6,2 m ME boom	6,45 m HD boom		
		2,6 m Arm	2,6 m Arm	3,2 m HD 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 slew radius	mm	3 390	3 390	3 390	3 390
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	10 910	11 160	11 070	11 120
M. Overall height of boom	mm	3 700	3 580	3 350	3 590

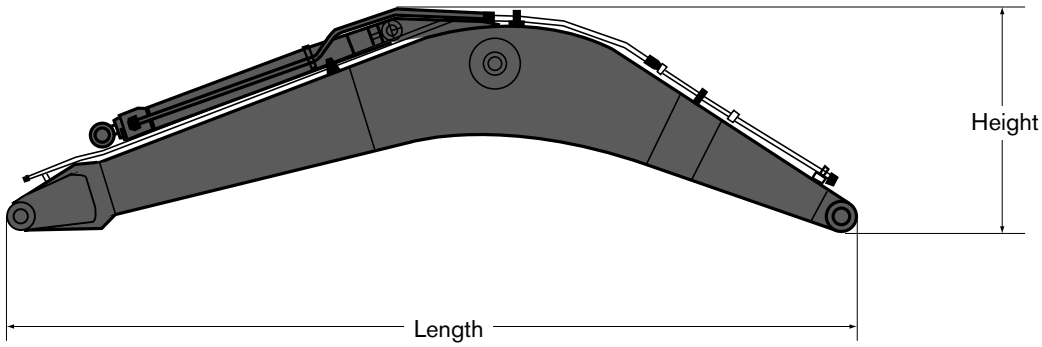
• **Narrow long crawler machine**

Description	Unit	6,2 m ME boom	6,45 m HD boom		
		2,6 m Arm	2,6 m Arm	3,2 m HD 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 slew radius	mm	3 390	3 390	3 390	3 390
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	10 910	11 160	11 070	11 120
M. Overall height of boom	mm	3 700	3 580	3 350	3 590

* Without shoe grouser

DIMENSIONS

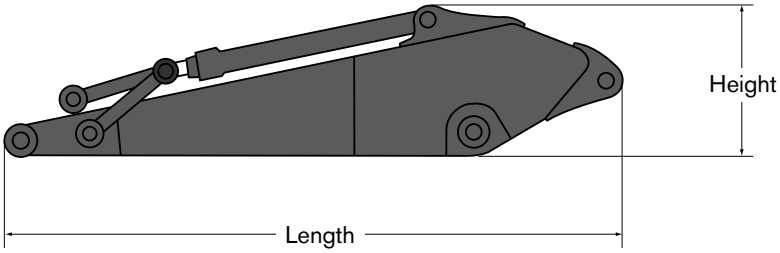
- **Boom**



Description	6,2 m ME	6,45 m HD
Length	6 460 mm	6 700 mm
Height	1 740 mm	1 800 mm
Width	820 mm	820 mm
Weight	3 290 kg	3 310 kg

* Includes cylinder, pin and piping

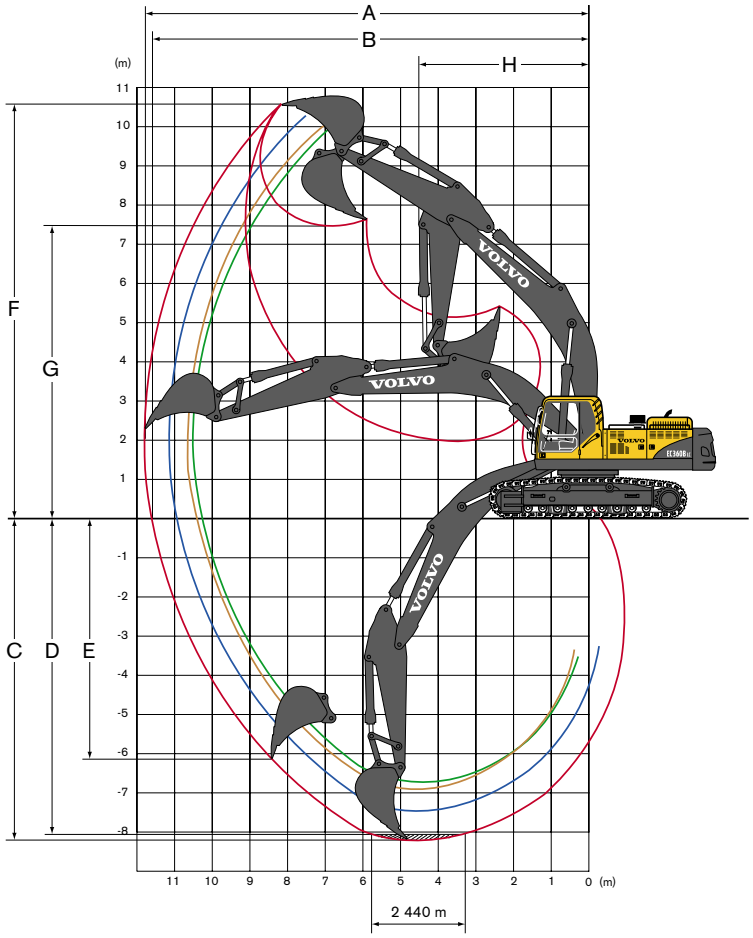
- **Arm**



Description	2,6 m	3,2 m HD	3,9 m
Length	3 780 mm	4 360 mm	5 080 mm
Height	1 145 mm	1 145 mm	1 140 mm
Width	560 mm	560 mm	560 mm
Weight	2 020 kg	2 100 kg	2 240 kg

* Includes cylinder, piping and linkage

WORKING RANGES & DIGGING FORCES



• Machine with direct fit GP bucket

Description	Unit	6,2 m ME boom	6,45 m HD boom		
		2,6 m Arm	2,6 m Arm	3,2 m HD arm	3,9 m Arm
A. Max. digging reach	mm	10 480	10 660	11 180	11 820
B. Max. digging reach on ground	mm	10 250	10 440	10 970	11 620
C. Max. digging depth	mm	6 720	6 890	7 490	8 200
D. Max. digging depth (2,44 m level)	mm	6 540	6 690	7 320	8 050
E. Max. vertical wall digging depth	mm	4 800	5 110	5 510	6 140
F. Max. cutting height	mm	10 070	10 160	10 320	10 600
G. Max. dumping height	mm	6 830	7 050	7 240	7 520
H. Min. front slew radius	mm	4 180	4 380	4 340	4 320

• Digging forces with direct fit bucket

Description		Unit	6,2 m ME boom	6,45 m HD boom		
			2,6 m Arm	2,6 m Arm	3,2 m HD arm	3,9 m Arm
Bucket radius		mm	1 810	1 623	1 623	1 623
Breakout force – bucket (Normal / Power boost)	SAE	kN	208 / 228	192 / 209	192 / 209	192 / 209
Breakout force – bucket (Normal / Power boost)	ISO	kN	236 / 258	215 / 236	215 / 236	215 / 236
Tearout force – arm (Normal / Power boost)	SAE	kN	182 / 200	190 / 207	157 / 172	137 / 150
Tearout force – arm (Normal / Power boost)	ISO	kN	188 / 206	195 / 213	161 / 176	140 / 153
Rotation angle, bucket		deg	164	177	177	177

LIFTING CAPACITY (At the arm and 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.

EC360B LC

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
with 600 mm shoe 7 250 kg CWT ME boom 6,2 m + arm 2,6 m	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
with 600 mm shoe 7 250 kg CWT HD boom 6,45 m + arm 2,6 m	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
with 600 mm shoe 7 250 kg CWT HD boom 6,45 m + HD arm 3,2 m	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
with 600 mm shoe 7 250 kg CWT HD boom 6,45 m + arm 3,9 m	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 and 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.

EC360B NLC

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
with 600 mm shoe 7 250 kg CWT HD boom 6,45 m + arm 2,6 m	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
with 600 mm shoe 7 250 kg CWT HD boom 6,45 m + HD arm 3,2 m	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
with 600 mm shoe 7 250 kg CWT HD boom 6,45 m + arm 3,9 m	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.

NOTES

STANDARD EQUIPMENT

Engine
Turbocharged, 4 stroke diesel engine with water cooling, direct injection and charged air cooler that meets EU Stage IIIA requirements
3-stage air filter with indicator, and pre-cleaner
Air intake heater
Electric engine shut-off
Fuel filter and water separator
Fuel filler pump: 50 l/min with automatic shut-off
Coolant filter
Alternator, 80 A

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
Master switch
Engine restart prevention circuit
High capacity halogen lights:
- Frame mounted 2
- Boom mounted 4

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
- Slew priority

Boom and arm regeneration valves
Slew anti-rebound valves
Boom and arm holding valves
Multi-stage filtering system
Cylinder cushioning
Cylinder contamination seals
Hose rupture valve: boom
Auxiliary hydraulic valve
Straight travel circuit
Automatic two-speed travel motors
Hydraulic oil, ISO VG 46

Superstructure
Cab entrance step
Access way with handrail
Tool storage area
Punched metal anti-slip plates
Undercover (heavy duty 4,5 mm)
Counterweight, 7 250 kg

Cab and interior
Heater & air-conditioner, automatic
Hydraulic dampening cab mounts
Adjustable operator seat and joystick control console
Flexible antenna
Hydraulic safety lock lever
Control joystick, with 5 switches each
Cab, all-weather sound suppressed, includes:
- Ashtray
- Cup holder
- Lighter
- Door locks
- Tinted glass
- Floor mat
- Horn
- Large storage area
- Pull-up type front window
- Removable lower windshield
- Seat belt
- Safety glass
- Windshield wiper with intermittent feature
- Rain shield, front
- Sun shield, front, roof, rear
- Stereo cassette radio

Anti-vandalism kit assembly preparation
Master ignition key

Undercarriage
Hydraulic track adjusters
Greased and sealed track chain
Track guards
Undercover (heavy duty 10 mm)

Service
Tool kit, daily maintenance

ALTERNATIVE EQUIPMENT

Cab and interior
Seat:
- Fabric seat
- Fabric seat, with heater
- Fabric seat, with heater and air suspension

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

Digging equipment
Boom: 6,2 m monoblock, ME
6,45 m monoblock, HD
Arm: 2,6 m / 3,2 m, HD / 3,9 m

Undercarriage
LC (Long crawler)
NLC (Narrow long crawler)

OPTIONAL EQUIPMENT (Standard in certain markets)

Engine
Block heater, 240 V
Oil bath pre-cleaner
10 kW diesel coolant heater
Water separator with heater

Electric
Extra lamps:
- Cab-mounted 3, (front 2, rear 1)
- Counterweight-mounted 1

Overload warning device
Rotating warning beacon
Travel alarm
Anti-theft system

Hydraulic system
Hose rupture valve: dipper arm
Hydraulic piping
- Hammer & shears:
  - 1 pump or 2 pump flow
  - Pump flow control for hammer & shears
  - Additional return filter
  - Extra piping for slope & rotator
- Slope & rotator
- Grapple
- Oil leak (drain) line
- Quick fit piping

Volvo hydraulic quick-fit, S3 size
Hydraulic oil, ISO VG 32
Hydraulic oil, ISO VG 68
Hydraulic oil, biodegradable 32
Hydraulic oil, biodegradable 46
Boom floating function
Straight travel pedal

Superstructure
Service walk
Hydraulically removable counterweight

Cab and interior
Air-conditioner, manual
Falling object guard (FOG)
Cab mounted falling object protective structures (FOPS)
Sunlight protection, roof (steel)
Safety net for front window
Lower wiper
Anti-vandalism kit
Specific key

Undercarriage
Full track guards

Service
Tool kit, full scale

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

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