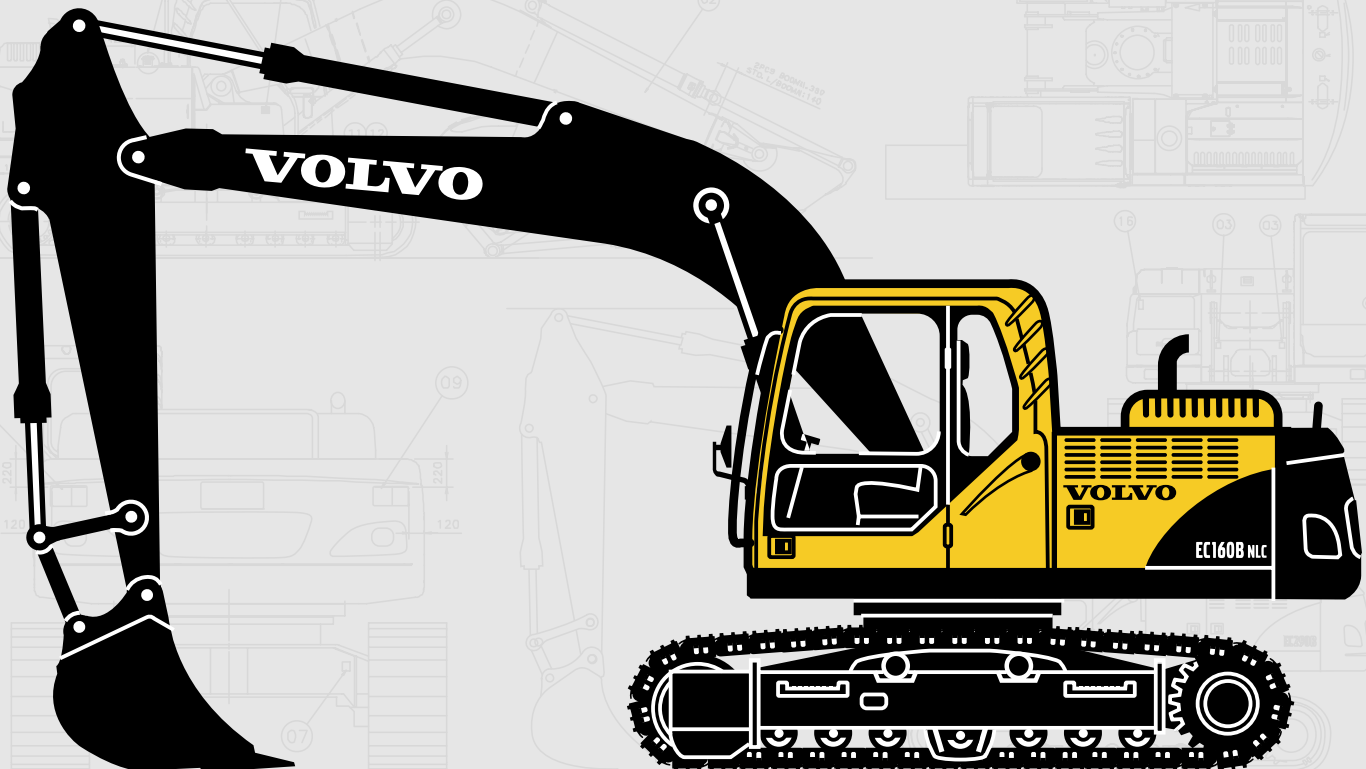


VOLVO EXCAVATOR

EC160B LC EC160B NLC

MONOBLOCK/2-PIECE BOOM



- Engine power, gross: 90 kW (121 hp)
- Operating weight:
LC: 16,6 ~ 18,8 t
NLC: 16,5 ~ 18,7 t
- Buckets (SAE):
775 ~ 1 225 l
- Turbocharged VOLVO diesel engine with direct injection and charged air cooler meets EU Step 2 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 easier transportation
- Auxiliary hydraulic valve is standard
- Prepared for a number of optional items

VOLVO



ENGINE

The engine is a turbocharged, 4-stroke diesel engine with water cooling, direct injection and a charged air cooler that easily meets EU Step 2 requirements.

The engine has been developed especially for excavator use, providing good fuel economy, low noise levels and a long service life.

Air Filter: 3-stage

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 | D6D EHE2 |
| Power output at | 32 r/s (1 900 rpm) |
| Net (ISO 9249/ DIN 6271) | 81 kW (110 ps / 109 hp) |
| Gross (SAE J1995) | 90 kW (122 ps / 121 hp) |
| Max. torque | 542 N-m at 1 450 rpm |
| No. of cylinders | 6 |
| Displacement | 5,7 l |
| Bore | 98 mm |
| Stroke | 126 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 | 150 Ah |
| Alternator | 28 V / 80 A |



UNDERCARRIAGE

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

| | |
|----------------------------|-----------------------------------|
| No. of track shoes | 2 x 44 |
| Link pitch | 190 mm |
| Shoe width, triple grouser | 500 / 600 / 700 / 800 / 900 mm |
| No. of bottom rollers | 2 x 7 |
| No. of top rollers | 2 x 2 |



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 | 145 kN |
| Max. travel speed | 3,0 / 5,6 km/h |
| Gradeability | 35° (70%) |



SLEW SYSTEM

The slew system uses 2 axial piston motors, driving 2 planetary gearboxes for maximum torque. An automatic holding brake and anti-rebound valves are standard.

| | |
|-----------------|----------|
| Max. slew speed | 11,9 rpm |
|-----------------|----------|



SERVICE REFILL CAPACITIES

| | |
|-------------------------|-----------|
| Fuel tank | 260 l |
| Hydraulic system, total | 245 l |
| Hydraulic tank | 120 l |
| Engine oil | 25 l |
| Engine coolant | 22 l |
| Slew reduction unit | 2,6 l |
| Travel reduction unit | 2 x 5,8 l |



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 145 l/min

Pilot pump:

Type Gear pump
Maximum flow . . . 1 x 19 l/min

Hydraulic motors:

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

Relief valve setting:

Implement 32,4 / 34,3 Mpa
Travel circuit 34,3 Mpa
Slew circuit 26,5 Mpa
Pilot circuit 3,9 Mpa

Hydraulic cylinders:

Boom 2
Bore x Stroke \varnothing 115 x 1 165 mm
1st boom of 2-piece boom 2
Bore x Stroke \varnothing 115 x 1 165 mm
2nd boom of 2-piece boom 1
Bore x Stroke \varnothing 160 x 950 mm
Arm 1
Bore x Stroke \varnothing 120 x 1 345 mm
Bucket 1
Bore x Stroke \varnothing 105 x 1 000 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 72 dB(A)
External sound level
according to ISO 6395
and EU Directive 2000/14/EC LwA 102 dB(A)



GROUND PRESSURE

- LC undercarriage with 5,2 m monoblock boom, 2,6 m arm, 570 l (470 kg) bucket and 2 850 kg counterweight.

| Description | Shoe width | Operating weight | Ground pressure | Overall width |
|----------------|------------|------------------|-----------------|---------------|
| Triple grouser | 500 mm | 16 580 kg | 47,0 kPa | 2 700 mm |
| | 600 mm | 16 800 kg | 39,7 kPa | 2 800 mm |
| | 700 mm | 17 010 kg | 34,4 kPa | 2 900 mm |
| | 800 mm | 17 230 kg | 30,5 kPa | 3 000 mm |
| | 900 mm | 17 670 kg | 27,8 kPa | 3 200 mm |

- LC undercarriage dozer blade with 5,2 m monoblock boom, 2,6 m arm, 570 l (470 kg) bucket and 2 850 kg counterweight.

| Description | Shoe width | Operating weight | Ground pressure | Overall width |
|----------------|------------|------------------|-----------------|---------------|
| Triple grouser | 500 mm | 17 710 kg | 50,2 kPa | 2 800 mm |
| | 600 mm | 17 930 kg | 42,4 kPa | 2 800 mm |
| | 700 mm | 18 140 kg | 36,7 kPa | 2 900 mm |
| | 800 mm | 18 360 kg | 32,5 kPa | 3 000 mm |
| | 900 mm | 18 800 kg | 29,6 kPa | 3 200 mm |

- NLC undercarriage with 5,2 m monoblock boom, 2,6 m arm, 570 l (470 kg) bucket and 2 850 kg counterweight.

| Description | Shoe width | Operating weight | Ground pressure | Overall width |
|----------------|------------|------------------|-----------------|---------------|
| Triple grouser | 500 mm | 16 480 kg | 46,7 kPa | 2 490 mm |
| | 600 mm | 16 700 kg | 39,5 kPa | 2 590 mm |
| | 700 mm | 16 910 kg | 34,2 kPa | 2 690 mm |
| | 800 mm | 17 130 kg | 30,4 kPa | 2 790 mm |
| | 900 mm | 17 570 kg | 27,7 kPa | 2 990 mm |

- NLC undercarriage dozer blade with 5,2 m monoblock boom, 2,6 m arm, 570 l (470 kg) bucket and 2 850 kg counterweight.

| Description | Shoe width | Operating weight | Ground pressure | Overall width |
|----------------|------------|------------------|-----------------|---------------|
| Triple grouser | 500 mm | 17 610 kg | 49,9 kPa | 2 590 mm* |
| | 600 mm | 17 830 kg | 42,1 kPa | 2 590 mm |
| | 700 mm | 18 040 kg | 36,5 kPa | 2 690 mm |
| | 800 mm | 18 260 kg | 32,4 kPa | 2 790 mm |
| | 900 mm | 18 700 kg | 29,5 kPa | 2 990 mm |

*Overall width = 2 490 mm, but with dozer the width = 2 590 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:

LC undercarriage with counterweight 2 850 kg

| Description | Unit | 5,2 m Boom | | |
|--------------------------------|------|------------|-----------|-----------|
| | | 2,3 m Arm | 2,6 m Arm | 3,0 m Arm |
| GP bucket 1,5 t/m ³ | l | 1 225 | 1 150 | 1 050 |
| GP bucket 1,8 t/m ³ | l | 1 050 | 1 000 | 925 |

- Max. permitted sizes for S6 quick fit buckets:

LC undercarriage with counterweight 2 850 kg

| Description | Unit | 5,2 m Boom | | |
|--------------------------------|------|------------|-----------|-----------|
| | | 2,3 m Arm | 2,6 m Arm | 3,0 m Arm |
| GP bucket 1,5 t/m ³ | l | 1 175 | 1 100 | 1025 |
| GP bucket 1,8 t/m ³ | l | 1 025 | 950 | 875 |

- Max. permitted sizes for S1 quick fit buckets:

LC undercarriage with counterweight 2 850 kg

| Description | Unit | 5,2 m Boom | | |
|--------------------------------|------|------------|-----------|-----------|
| | | 2,3 m Arm | 2,6 m Arm | 3,0 m Arm |
| GP bucket 1,5 t/m ³ | l | 1 150 | 1 075 | 1 000 |
| GP bucket 1,8 t/m ³ | l | 1 000 | 950 | 875 |

- Max. permitted sizes for direct fit buckets:

NLC undercarriage with counterweight 2 850 kg

| Description | Unit | 5,2 m Boom | | |
|--------------------------------|------|------------|-----------|-----------|
| | | 2,3 m Arm | 2,6 m Arm | 3,0 m Arm |
| GP bucket 1,5 t/m ³ | l | 1 075 | 1 025 | 925 |
| GP bucket 1,8 t/m ³ | l | 950 | 850 | 775 |

- Max. permitted sizes for S6 quick fit buckets:

NLC undercarriage with counterweight 2 850 kg

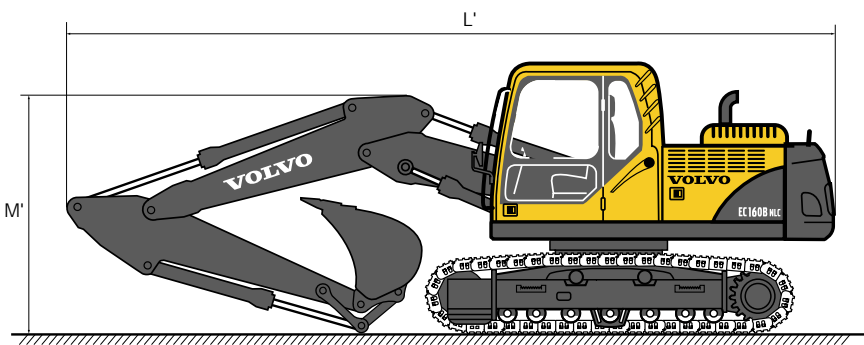
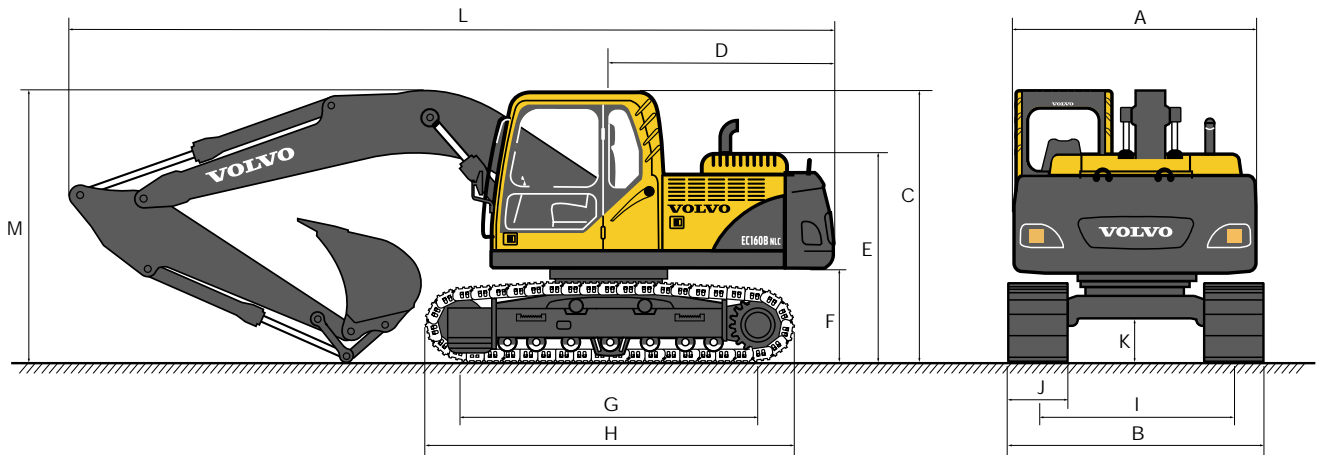
| Description | Unit | 5,2 m Boom | | |
|--------------------------------|------|------------|-----------|-----------|
| | | 2,3 m Arm | 2,6 m Arm | 3,0 m Arm |
| GP bucket 1,5 t/m ³ | l | 1 050 | 975 | 900 |
| GP bucket 1,8 t/m ³ | l | 1 025 | 875 | 825 |

- Max. permitted sizes for S1 quick fit buckets:

NLC undercarriage with counterweight 2 850 kg

| Description | Unit | 5,2 m Boom | | |
|--------------------------------|------|------------|-----------|-----------|
| | | 2,3 m Arm | 2,6 m Arm | 3,0 m Arm |
| GP bucket 1,5 t/m ³ | l | 1 025 | 875 | 825 |
| GP bucket 1,8 t/m ³ | l | 950 | 825 | 775 |

DIMENSIONS



• LC

| Description | Unit | 5,2 m Boom | | |
|------------------------------------|------|------------|-----------|-----------|
| | | 2,3 m Arm | 2,6 m Arm | 3,0 m Arm |
| A. Overall width of superstructure | mm | 2 450 | 2 450 | 2 450 |
| B. Overall width | mm | 2 800 | 2 800 | 2 800 |
| C. Overall height of cab | mm | 2 900 | 2 900 | 2 900 |
| D. Tail slew radius | mm | 2 450 | 2 450 | 2 450 |
| E. Overall height of engine hood | mm | 2 190 | 2 190 | 2 190 |
| F. Counterweight clearance * | mm | 1 010 | 1 010 | 1 010 |
| G. Tumbler length | mm | 3 180 | 3 180 | 3 180 |
| H. Track length | mm | 3 980 | 3 980 | 3 980 |
| I. Track gauge | mm | 2 200 | 2 200 | 2 200 |
| J. Shoe width | mm | 600 | 600 | 600 |
| K. Min. ground clearance * | mm | 460 | 460 | 460 |
| L. Overall length | mm | 8 780 | 8 670 | 8 710 |
| L'. Overall length | mm | 8 600 | 8 520 | 8 520 |
| M. Overall height of boom | mm | 2 980 | 2 900 | 3 020 |
| M'. Overall height of boom | mm | 2 770 | 2 770 | 2 930 |

* Without shoe grouser

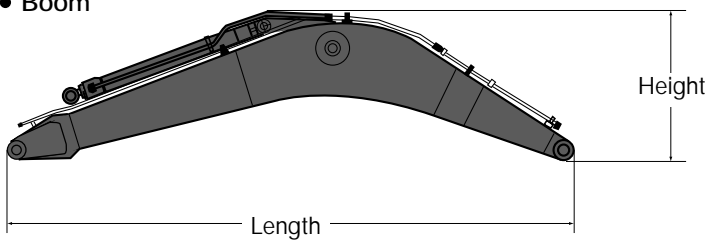
DIMENSIONS

• NLC

| Description | Unit | 5,2 m Boom | | |
|------------------------------------|------|------------|-----------|-----------|
| | | 2,3 m Arm | 2,6 m Arm | 3,0 m Arm |
| A. Overall width of superstructure | mm | 2 450 | 2 450 | 2 450 |
| B. Overall width | mm | 2 490 | 2 490 | 2 490 |
| C. Overall height of cab | mm | 2 900 | 2 900 | 2 900 |
| D. Tail slew radius | mm | 2 450 | 2 450 | 2 450 |
| E. Overall height of engine hood | mm | 2 190 | 2 190 | 2 190 |
| F. Counterweight clearance * | mm | 1 010 | 1 010 | 1 010 |
| G. Tumbler length | mm | 3 180 | 3 180 | 3 180 |
| H. Track length | mm | 3 980 | 3 980 | 3 980 |
| I. Track gauge | mm | 1 990 | 1 990 | 1 990 |
| J. Shoe width | mm | 500 | 500 | 500 |
| K. Min. ground clearance * | mm | 460 | 460 | 460 |
| L. Overall length | mm | 8 780 | 8 670 | 8 710 |
| L'. Overall length | mm | 8 600 | 8 520 | 8 520 |
| M. Overall height of boom | mm | 2 980 | 2 900 | 3 020 |
| M'. Overall height of boom | mm | 2 770 | 2 770 | 2 930 |

* Without shoe grouser

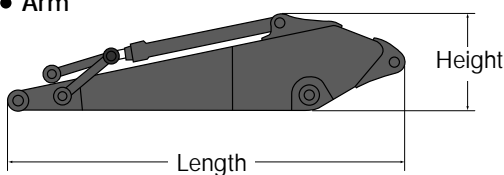
• Boom



| Description | 5,2 m | 5,0 m 2-piece |
|-------------|----------|---------------|
| Length | 5 400 mm | 5 200 mm |
| Height | 1 640 mm | 1 270 mm |
| Width | 565 mm | 565 mm |
| Weight | 1 350 kg | 1 600 kg |

* Includes cylinder, pin and piping

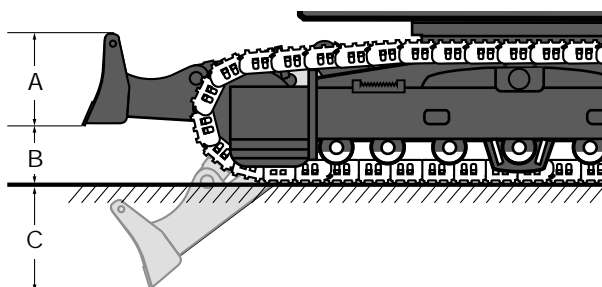
• Arm



| Description | 2,3 m | 2,6 m | 3,0 m |
|-------------|----------|----------|----------|
| Length | 3 240 mm | 3 500 mm | 3 900 mm |
| Height | 855 mm | 855 mm | 845 mm |
| Width | 395 mm | 395 mm | 395 mm |
| Weight | 760 kg | 775 kg | 840 kg |

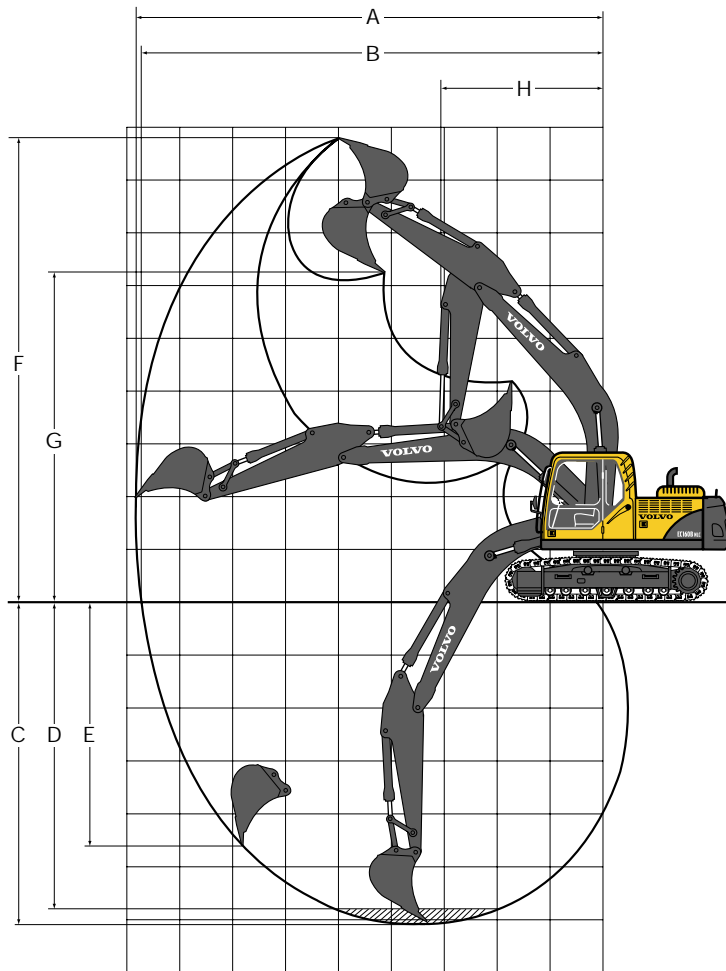
* Includes cylinder, piping and linkage

• Front dozer blade



| Description | Measurement | |
|------------------|-------------|----------|
| | LC | NLC |
| A. Height | 516 mm | 516 mm |
| Width | 2 800 mm | 2 590 mm |
| Weight | 600 kg | 575 kg |
| B. Lift height | 710 mm | 710 mm |
| C. Digging depth | 607 mm | 607 mm |

WORKING RANGES & DIGGING FORCES



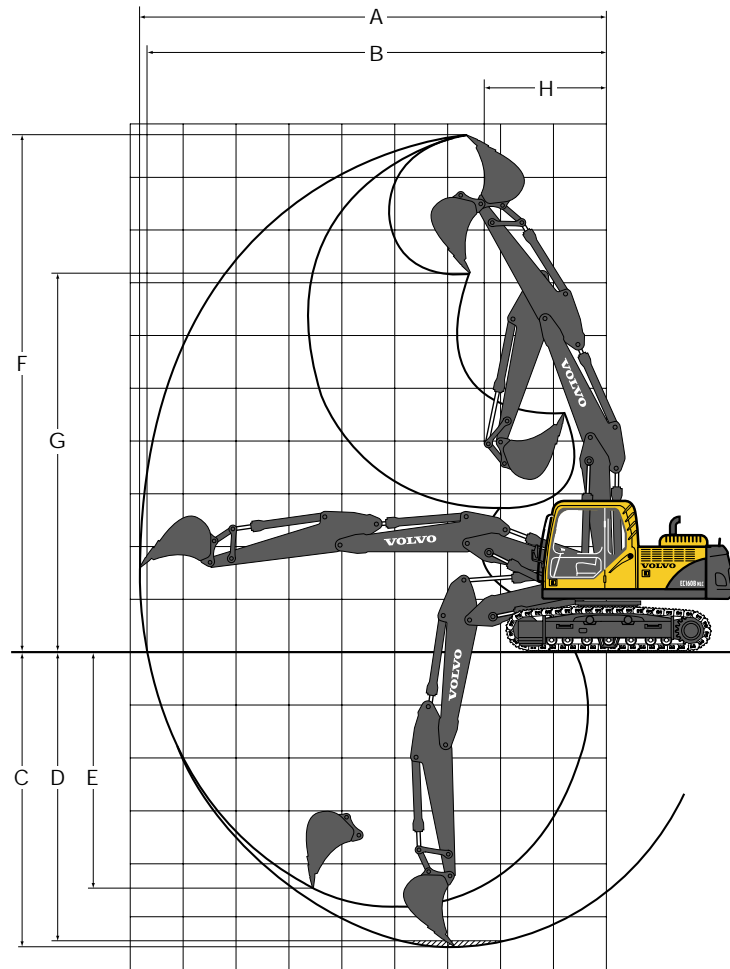
• 5,2 m monoblock boom with direct fit GP bucket

| Description | Unit | 5,2 m Boom | | |
|-------------------------------------|------|------------|-----------|-----------|
| | | 2,3 m Arm | 2,6 m Arm | 3,0 m Arm |
| A. Max. digging reach | mm | 8 650 | 8 970 | 9 340 |
| B. Max. digging reach on ground | mm | 8 490 | 8 810 | 9 180 |
| C. Max. digging depth | mm | 5 740 | 6 040 | 6 440 |
| D. Max. digging depth | mm | 5 430 | 5 770 | 6 200 |
| E. Max. vertical wall digging depth | mm | 4 070 | 4 540 | 4 960 |
| F. Max. cutting height | mm | 8 530 | 8 790 | 9 000 |
| G. Max. dumping height | mm | 6 110 | 6 340 | 6 540 |
| H. Min. front slew radius | mm | 3 070 | 3 070 | 3 070 |

• Digging forces with direct fit bucket

| Description | Unit | 5,2 m Boom | | |
|--|------|---------------|---------------|---------------|
| | | 2,3 m Arm | 2,6 m Arm | 3,0 m Arm |
| Bucket radius | mm | 1 315 | 1 315 | 1 315 |
| Breakout force – bucket (Normal / Power boost) SAE | kN | 99,2 / 105,2 | 99,2 / 105,2 | 99,2 / 105,2 |
| Breakout force – bucket (Normal / Power boost) ISO | kN | 111,3 / 118,1 | 111,3 / 118,1 | 111,3 / 118,1 |
| Tearout force – arm (Normal / Power boost) SAE | kN | 84,9 / 90,1 | 75,5 / 80,0 | 68,4 / 72,6 |
| Tearout force – arm (Normal / Power boost) ISO | kN | 87,3 / 92,6 | 77,4 / 82,1 | 69,9 / 74,1 |
| Rotation angle, bucket | deg | 174 | 174 | 174 |

WORKING RANGES & DIGGING FORCES



• 5,0 m 2-piece boom with direct fit bucket

| Description | Unit | 5,0 m 2-piece boom | | |
|-------------------------------------|------|--------------------|-----------|-----------|
| | | 2,3 m Arm | 2,6 m Arm | 3,0 m Arm |
| A. Max. digging reach | mm | 8 550 | 8 870 | 9 240 |
| B. Max. digging reach on ground | mm | 8 380 | 8 700 | 9 090 |
| C. Max. digging depth | mm | 5 210 | 5 530 | 5 930 |
| D. Max. digging depth | mm | 5 090 | 5 410 | 5 810 |
| E. Max. vertical wall digging depth | mm | 4 070 | 4 430 | 4 830 |
| F. Max. cutting height | mm | 9 510 | 9 820 | 10 120 |
| G. Max. dumping height | mm | 6 920 | 7 210 | 7 520 |
| H. Min. front slew radius | mm | 2 290 | 2 250 | 2 350 |
















• Digging forces with direct fit bucket

| Description | Unit | 5,0 m 2-piece boom | | |
|--|------|--------------------|---------------|---------------|
| | | 2,3 m Arm | 2,6 m Arm | 3,0 m Arm |
| Bucket radius | mm | 1 315 | 1 315 | 1 315 |
| Breakout force – bucket (Normal / Power boost) SAE | kN | 99,2 / 105,2 | 99,2 / 105,2 | 99,2 / 105,2 |
| Breakout force – bucket (Normal / Power boost) ISO | kN | 111,3 / 118,1 | 111,3 / 118,1 | 111,3 / 118,1 |
| Tearout force – arm (Normal / Power boost) SAE | kN | 84,9 / 90,1 | 75,5 / 80,0 | 68,4 / 72,6 |
| Tearout force – arm (Normal / Power boost) ISO | kN | 87,3 / 92,6 | 77,4 / 82,1 | 69,9 / 74,1 |
| Rotation angle, bucket | deg | 174 | 174 | 174 |

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.

EC160BLC
















|  Across undercarriage  Along undercarriage | Lifting hook related to ground level | 1,5 m | | 3,0 m | | 4,5 m | | 6,0 m | | 7,5 m | | Max. reach | | | | |
|---|--------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---------|-------|
| | |  |  |  |  |  |  |  |  |  |  |  |  |  | Max. mm | |
| with 600 mm shoe 2 850 kg CWT monoblock boom 5,2 m + arm 2,3 m | 6,0 m kg | | | | | | | | | | | | | *4 210 | 3 680 | 5 880 |
| | 4,5 m kg | | | | | *4 670 | *4 670 | *4 380 | 3 500 | | | | | 4 110 | 2 890 | 6 760 |
| | 3,0 m kg | | | | | *6 170 | 5 130 | 4 830 | 3 360 | | | | | 3 640 | 2 540 | 7 220 |
| | 1,5 m kg | | | | | 7 240 | 4 800 | 4 680 | 3 210 | | | | | 3 470 | 2 410 | 7 340 |
| | 0 m kg | | | | | 7 030 | 4 610 | 4 560 | 3 100 | | | | | 3 560 | 2 450 | 7 140 |
| | -1,5 m kg | | | *9 840 | 8 660 | 6 980 | 4 570 | 4 520 | 3 070 | | | | | 3 970 | 2 710 | 6 590 |
| | -3,0 m kg | | | *12 170 | 8 810 | 7 050 | 4 640 | | | | | | | 5 080 | 3 440 | 5 590 |
| | -4,5 m kg | | | | | | | | | | | | | | | |
| with 600 mm shoe 2 850 kg CWT monoblock boom 5,2 m + arm 2,6 m | 6,0 m kg | | | | | | | *3 900 | 3 600 | | | | | *3 830 | 3 340 | 6 270 |
| | 4,5 m kg | | | | | *4 300 | *4 300 | *4 120 | 3 540 | | | | | *3 760 | 2 690 | 7 100 |
| | 3,0 m kg | | | *9 120 | *9 120 | *5 810 | 5 200 | *4 770 | 3 390 | 3 440 | 2 400 | | | 3 410 | 2 380 | 7 540 |
| | 1,5 m kg | | | | | 7 280 | 4 840 | 4 690 | 3 230 | 3 370 | 2 340 | | | 3 270 | 2 270 | 7 650 |
| | 0 m kg | | | *5 100 | *5 100 | 7 040 | 4 620 | 4 560 | 3 110 | | | | | 3 340 | 2 300 | 7 460 |
| | -1,5 m kg | *5 250 | *5 250 | *9 000 | 8 600 | 6 960 | 4 550 | 4 500 | 3 050 | | | | | 3 670 | 2 520 | 6 940 |
| | -3,0 m kg | *9 380 | *9 380 | *12 590 | 8 740 | 7 010 | 4 600 | | | | | | | 4 560 | 3 100 | 6 000 |
| | -4,5 m kg | | | *10 100 | 9 040 | | | | | | | | | *6 960 | 5 040 | 4 350 |
| with 600 mm shoe 2 850 kg CWT monoblock boom 5,2 m + arm 3,0 m | 6,0 m kg | | | | | | | *3 450 | *3 450 | | | | | *3 240 | 3 000 | 6 720 |
| | 4,5 m kg | | | | | | | *3 750 | 3 560 | | | | | *3 180 | 2 460 | 7 500 |
| | 3,0 m kg | | | *7 710 | *7 710 | *5 270 | 5 260 | *4 430 | 3 400 | 3 440 | 2 400 | | | 3 160 | 2 200 | 7 910 |
| | 1,5 m kg | | | *5 140 | *5 140 | *6 970 | 4 870 | 4 700 | 3 230 | 3 360 | 2 320 | | | 3 030 | 2 090 | 8 020 |
| | 0 m kg | | | *5 570 | *5 570 | 7 030 | 4 610 | 4 540 | 3 080 | 3 280 | 2 250 | | | 3 080 | 2 110 | 7 840 |
| | -1,5 m kg | *4 800 | *4 800 | *8 430 | *8 430 | 6 910 | 4 500 | 4 460 | 3 010 | | | | | 3 350 | 2 290 | 7 350 |
| | -3,0 m kg | *8 160 | *8 160 | *13 000 | 8 590 | 6 930 | 4 520 | 4 470 | 3 020 | | | | | 4 030 | 2 740 | 6 470 |
| | -4,5 m kg | | | *11 010 | 8 850 | 7 100 | 4 670 | | | | | | | 6 060 | 4 050 | 4 990 |

- Notes:
- Machine in "Fine Mode-F" (Power Boost), for lifting capacities.
 - The above loads are in compliance with SAE J1097 and ISO 10567 Hydraulic Excavator Lifting Capacity Standards.
 - Rated loads do not exceed 87% of hydraulic lifting capacity or 75% of tipping load.
 - 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.

EC160BLC
















|  Across undercarriage  Along undercarriage | Lifting hook related to ground level | 1,5 m | | 3,0 m | | 4,5 m | | 6,0 m | | 7,5 m | | Max. reach | | | | | |
|---|--------------------------------------|---|---|---|---|---|---|---|--|---|---|---|---|---|---------|--------|-------|
| | |  |  |  |  |  |  |  |  |  |  |  |  |  | Max. mm | | |
| with 600 mm shoe 2 850 kg CWT 2-piece boom 5,0 m + arm 2,3 m | 7,5 m kg | | | | | | | | | | | | | | *5 560 | *5 560 | 4 120 |
| | 6,0 m kg | | | | | | *6 450 | 5 680 | | | | | | | *4 800 | 3 760 | 5 740 |
| | 4,5 m kg | | | | *7 860 | *7 860 | *6 990 | 5 480 | 4 970 | 3 450 | | | | | 4 190 | 2 910 | 6 640 |
| | 3,0 m kg | | | | | | 7 630 | 5 100 | 4 820 | 3 310 | | | | | 3 690 | 2 540 | 7 110 |
| | 1,5 m kg | | | | | | 7 220 | 4 740 | 4 650 | 3 160 | | | | | 3 520 | 2 410 | 7 230 |
| | 0 m kg | | | | | | 6 990 | 4 540 | 4 530 | 3 050 | | | | | 3 620 | 2 460 | 7 030 |
| | -1,5 m kg | | | | *10 050 | 8 550 | 6 950 | 4 510 | 4 510 | 3 030 | | | | | 4 060 | 2 750 | 6 470 |
| | -3,0 m kg | | | | | | *5 350 | 4 610 | | | | | | | *4 090 | 3 610 | 5 380 |
| with 600 mm shoe 2 850 kg CWT 2-piece boom 5,0 m + arm 2,6 m | 7,5 m kg | | | | | | *4 790 | *4 790 | | | | | | | *4 350 | *4 350 | 4 670 |
| | 6,0 m kg | | | | | | *5 550 | *5 550 | *4 290 | 3 540 | | | | | *3 790 | 3 390 | 6 140 |
| | 4,5 m kg | | | | *5 870 | *5 870 | *6 360 | 5 550 | 5 020 | 3 500 | | | | | *3 650 | 2 700 | 6 980 |
| | 3,0 m kg | | | | *11 810 | 9 780 | 7 710 | 5 170 | 4 850 | 3 350 | | | | | 3 450 | 2 380 | 7 430 |
| | 1,5 m kg | | | | | | 7 270 | 4 790 | 4 670 | 3 170 | 3 340 | 2 280 | | | 3 300 | 2 260 | 7 550 |
| | 0 m kg | | | | *5 630 | *5 630 | 7 010 | 4 550 | 4 530 | 3 050 | | | | | 3 380 | 2 300 | 7 355 |
| | -1,5 m kg | | | | *9 670 | 8 490 | 6 930 | 4 490 | 4 490 | 3 010 | | | | | 3 750 | 2 540 | 6 830 |
| | -3,0 m kg | | | | | | *5 940 | 4 560 | | | | | | | *3 950 | 3 190 | 5 860 |
| with 600 mm shoe 2 850 kg CWT 2-piece boom 5,0 m + arm 3,0 m | 7,5 m kg | | | | | | *4 650 | *4 650 | | | | | | | *3 600 | *3 600 | 5 270 |
| | 6,0 m kg | | | | | | *4 680 | *4 680 | *4 340 | 3 600 | | | | | *3 200 | 3 030 | 6 600 |
| | 4,5 m kg | | | | | | *5 140 | *5 140 | 5 060 | 3 530 | | | | | *3 080 | 2 460 | 7 390 |
| | 3,0 m kg | | | | *10 820 | 10 110 | *7 350 | 5 250 | 4 880 | 3 370 | 3 410 | 2 350 | | | *3 130 | 2 190 | 7 810 |
| | 1,5 m kg | | | | *6 320 | *6 320 | 7 330 | 4 830 | 4 680 | 3 180 | 3 330 | 2 270 | | | 3 050 | 2 080 | 7 930 |
| | 0 m kg | | | | *6 050 | *6 050 | 7 000 | 4 540 | 4 510 | 3 030 | 3 260 | 2 210 | | | 3 110 | 2 110 | 7 740 |
| | -1,5 m kg | | | | *9 010 | 8 370 | 6 880 | 4 430 | 4 440 | 2 960 | | | | | 3 410 | 2 300 | 7 240 |
| | -3,0 m kg | | | | *8 880 | 8 520 | *6 560 | 4 470 | 4 480 | 3 000 | | | | | *3 940 | 2 800 | 6 350 |

- Notes:
- Machine in "Fine Mode-F" (Power Boost), for lifting capacities.
 - The above loads are in compliance with SAE J1097 and ISO 10567 Hydraulic Excavator Lifting Capacity Standards.
 - Rated loads do not exceed 87% of hydraulic lifting capacity or 75% of tipping load.
 - 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.

EC160B NLC
















|  Across undercarriage  Along undercarriage | Lifting hook related to ground level | 1,5 m | | 3,0 m | | 4,5 m | | 6,0 m | | 7,5 m | | Max. reach | | | | | |
|---|--------------------------------------|---|---|---|---|---|---|---|--|---|---|---|---|---|---------|-------|-------|
| | |  |  |  |  |  |  |  |  |  |  |  |  |  | Max. mm | | |
| with 500 mm shoe 2 850 kg CWT monoblock boom 5,2 m + arm 2,3 m | 6,0 m kg | | | | | | | | | | | | | | *4 210 | 3 270 | 5 880 |
| | 4,5 m kg | | | | | | *4 670 | *4 670 | *4 380 | 3 110 | | | | | 4 070 | 2 560 | 6 760 |
| | 3,0 m kg | | | | | | *6 170 | 4 520 | 4 780 | 2 970 | | | | | 3 590 | 2 240 | 7 220 |
| | 1,5 m kg | | | | | | 7 150 | 4 190 | 4 620 | 2 820 | | | | | 3 430 | 2 110 | 7 340 |
| | 0 m kg | | | | | | 6 940 | 4 010 | 4 500 | 2 720 | | | | | 3 510 | 2 150 | 7 140 |
| | -1,5 m kg | | | *9 840 | 7 370 | 6 890 | 3 970 | 4 460 | 2 680 | | | | | | 3 910 | 2 380 | 6 590 |
| | -3,0 m kg | | | *12 170 | 7 510 | 6 970 | 4 030 | | | | | | | | 5 020 | 3 010 | 5 590 |
| | -4,5 m kg | | | | | | | | | | | | | | | | |
| with 500 mm shoe 2 850 kg CWT monoblock boom 5,2 m + arm 2,6 m | 6,0 m kg | | | | | | | | *3 900 | 3 210 | | | | *3 830 | 2 970 | 6 270 | |
| | 4,5 m kg | | | | | | *4 300 | *4 300 | *4 120 | 3 140 | | | | *3 760 | 2 380 | 7 100 | |
| | 3,0 m kg | | | *9 120 | 8 350 | *5 810 | 4 580 | *4 770 | 3 000 | 3 400 | 2 120 | | | 3 370 | 2 100 | 7 540 | |
| | 1,5 m kg | | | | | 7 200 | 4 230 | 4 640 | 2 840 | 3 330 | 2 050 | | | 3 230 | 1 990 | 7 650 | |
| | 0 m kg | | | *5 100 | *5 100 | 6 950 | 4 020 | 4 500 | 2 720 | | | | | 3 290 | 2 010 | 7 460 | |
| | -1,5 m kg | *5 250 | *5 250 | *9 000 | 7 310 | 6 870 | 3 950 | 4 450 | 2 670 | | | | | 3 630 | 2 200 | 6 940 | |
| | -3,0 m kg | *9 380 | *9 380 | *12 590 | 7 440 | 6 920 | 4 000 | | | | | | | 4 500 | 2 720 | 6 000 | |
| | -4,5 m kg | | | *10 100 | 7 720 | | | | | | | | | *6 960 | 4 400 | 4 350 | |
| with 500 mm shoe 2 850 kg CWT monoblock boom 5,2 m + arm 3,0 m | 6,0 m kg | | | | | | | | *3 450 | 3 250 | | | | *3 240 | 2 660 | 6 720 | |
| | 4,5 m kg | | | | | | | | *3 750 | 3 170 | | | | *3 180 | 2 170 | 7 500 | |
| | 3,0 m kg | | | *7 710 | *7 710 | *5 270 | 4 640 | *4 430 | 3 010 | 3 400 | 2 120 | | | 3 120 | 1 930 | 7 910 | |
| | 1,5 m kg | | | *5 140 | *5 140 | *6 970 | 4 260 | 4 640 | 2 840 | 3 310 | 2 040 | | | 2 990 | 1 830 | 8 020 | |
| | 0 m kg | | | *5 570 | *5 570 | 6 940 | 4 010 | 4 480 | 2 700 | 3 240 | 1 970 | | | 3 040 | 1 850 | 7 840 | |
| | -1,5 m kg | *4 800 | *4 800 | *8 430 | 7 210 | 6 820 | 3 900 | 4 400 | 2 620 | | | | | 3 310 | 2 000 | 7 350 | |
| | -3,0 m kg | *8 160 | *8 160 | *13 000 | 7 300 | 6 840 | 3 920 | 4 420 | 2 640 | | | | | 3 980 | 2 400 | 6 470 | |
| | -4,5 m kg | | | *11 010 | 7 550 | 7 010 | 4 060 | | | | | | | 5 980 | 3 530 | 4 990 | |

- Notes:
- Machine in "Fine Mode-F" (Power Boost), for lifting capacities.
 - The above loads are in compliance with SAE J1097 and ISO 10567 Hydraulic Excavator Lifting Capacity Standards.
 - Rated loads do not exceed 87% of hydraulic lifting capacity or 75% of tipping load.
 - 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.

EC160B NLC















|  Across undercarriage  Along undercarriage | Lifting hook related to ground level | 1,5 m | | 3,0 m | | 4,5 m | | 6,0 m | | 7,5 m | | Max. reach | | | |
|---|--------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---------|
| | |  |  |  |  |  |  |  |  |  |  |  |  |  | Max. mm |
| with 500 mm shoe 2 850 kg CWT 2-piece boom 5,0 m + arm 2,3 m | 7,5 m kg | | | | | | | | | | | | *5 560 | *5 560 | 4 120 |
| | 6,0 m kg | | | | | *6 450 | 5 030 | | | | | | *4 800 | 3 330 | 5 740 |
| | 4,5 m kg | | | *7 860 | *7 860 | *6 990 | 4 840 | 4 910 | 3 050 | | | | 4 140 | 2 560 | 6 640 |
| | 3,0 m kg | | | | | 7 550 | 4 480 | 4 760 | 2 920 | | | | 3 640 | 2 230 | 7 110 |
| | 1,5 m kg | | | | | 7 130 | 4 120 | 4 590 | 2 760 | | | | 3 470 | 2 100 | 7 230 |
| | 0 m kg | | | | | 6 900 | 3 930 | 4 470 | 2 660 | | | | 3 570 | 2 140 | 7 030 |
| | -1,5 m kg | | | *10 050 | 7 240 | 6 860 | 3 900 | 4 450 | 2 640 | | | | 4 010 | 2 400 | 6 470 |
| | -3,0 m kg | | | | | *5 350 | 4 000 | | | | | | *4 090 | 3 150 | 5 380 |
| with 500 mm shoe 2 850 kg CWT 2-piece boom 5,0 m + arm 2,6 m | 7,5 m kg | | | | | *4 790 | *4 790 | | | | | | *4 350 | *4 350 | 4 670 |
| | 6,0 m kg | | | | | *5 550 | 5 110 | *4 290 | 3 140 | | | | *3 790 | 3 000 | 6 140 |
| | 4,5 m kg | | | *5 870 | *5 870 | *6 360 | 4 910 | 4 960 | 3 090 | | | | *3 650 | 2 380 | 6 980 |
| | 3,0 m kg | | | *11 810 | 8 410 | 7 630 | 4 540 | 4 800 | 2 950 | | | | 3 410 | 2 090 | 7 430 |
| | 1,5 m kg | | | | | 7 190 | 4 170 | 4 610 | 2 780 | 3 290 | 1 990 | | 3 260 | 1 970 | 7 550 |
| | 0 m kg | | | *5 630 | *5 630 | 6 920 | 3 940 | 4 470 | 2 660 | | | | 3 340 | 2 010 | 7 355 |
| | -1,5 m kg | | | *9 670 | 7 180 | 6 840 | 3 880 | 4 430 | 2 620 | | | | 3 710 | 2 220 | 6 830 |
| | -3,0 m kg | | | | | *5 940 | 3 950 | | | | | | *3 950 | 2 780 | 5 860 |
| with 500 mm shoe 2 850 kg CWT 2-piece boom 5,0 m + arm 3,0 m | 7,5 m kg | | | | | *4 650 | *4 650 | | | | | | *3 600 | *3 600 | 5 270 |
| | 6,0 m kg | | | | | *4 680 | *4 680 | *4 340 | 3 200 | | | | *3 200 | 2 680 | 6 600 |
| | 4,5 m kg | | | | | *5 140 | 4 990 | 5 000 | 3 130 | | | | *3 080 | 2 160 | 7 390 |
| | 3,0 m kg | | | *10 820 | 8 710 | *7 350 | 4 620 | 4 820 | 2 970 | 3 370 | 2 060 | | *3 130 | 1 910 | 7 810 |
| | 1,5 m kg | | | *6 320 | *6 320 | 7 240 | 4 200 | 4 620 | 2 780 | 3 280 | 1 980 | | 3 010 | 1 810 | 7 930 |
| | 0 m kg | | | *6 050 | *6 050 | 6 910 | 3 930 | 4 460 | 2 630 | 3 220 | 1 920 | | 3 070 | 1 830 | 7 740 |
| | -1,5 m kg | | | *9 010 | 7 070 | 6 790 | 3 820 | 4 380 | 2 570 | | | | 3 360 | 2 000 | 7 240 |
| | -3,0 m kg | | | *8 880 | 7 210 | *6 560 | 3 860 | 4 430 | 2 610 | | | | *3 940 | 2 430 | 6 350 |

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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.

EC160B NLC















|  Across undercarriage  Along undercarriage | Lifting hook related to ground level | 1,5 m | | 3,0 m | | 4,5 m | | 6,0 m | | 7,5 m | | Max. reach | | | | |
|---|--------------------------------------|---|---|---|---|---|---|---|--|---|---|---|---|---------|-------|-------|
| | |  |  |  |  |  |  |  |  |  |  |  |  | Max. mm | | |
| with 600 mm shoe 2 850 kg CWT monoblock boom 5,2 m + arm 2,3 m | 6,0 m kg | | | | | | | | | | | | | *4 210 | 3 310 | 5 880 |
| | 4,5 m kg | | | | | *4 670 | *4 670 | *4 380 | 3 150 | | | | | 4 120 | 2 590 | 6 760 |
| | 3,0 m kg | | | | | *6 170 | 4 570 | 4 850 | 3 010 | | | | | 3 640 | 2 270 | 7 220 |
| | 1,5 m kg | | | | | 7 240 | 4 240 | 4 680 | 2 860 | | | | | 3 480 | 2 140 | 7 340 |
| | 0 m kg | | | | | 7 030 | 4 060 | 4 560 | 2 750 | | | | | 3 560 | 2 180 | 7 140 |
| | -1,5 m kg | | | *9 840 | 7 460 | 6 980 | 4 020 | 4 530 | 2 720 | | | | | 3 970 | 2 410 | 6 590 |
| | -3,0 m kg | | | *12 170 | 7 600 | 7 060 | 4 090 | | | | | | | 5 090 | 3 050 | 5 590 |
| | -4,5 m kg | | | | | | | | | | | | | | | |
| with 600 mm shoe 2 850 kg CWT monoblock boom 5,2 m + arm 2,6 m | 6,0 m kg | | | | | | | *3 900 | 3 240 | | | | | *3 830 | 3 010 | 6 270 |
| | 4,5 m kg | | | | | *4 300 | *4 300 | *4 120 | 3 180 | | | | | *3 760 | 2 410 | 7 100 |
| | 3,0 m kg | | | *9 120 | 8 450 | *5 810 | 4 630 | *4 770 | 3 030 | 3 440 | 2 150 | | | 3 420 | 2 130 | 7 540 |
| | 1,5 m kg | | | | | 7 290 | 4 280 | 4 700 | 2 870 | 3 370 | 2 080 | | | 3 270 | 2 020 | 7 650 |
| | 0 m kg | | | *5 100 | *5 100 | 7 050 | 4 070 | 4 570 | 2 760 | | | | | 3 340 | 2 040 | 7 460 |
| | -1,5 m kg | *5 250 | *5 250 | *9 000 | 7 410 | 6 970 | 4 010 | 4 510 | 2 710 | | | | | 3 680 | 2 240 | 6 940 |
| | -3,0 m kg | *9 380 | *9 380 | *12 590 | 7 530 | 7 020 | 4 050 | | | | | | | 4 560 | 2 750 | 6 000 |
| | -4,5 m kg | | | *10 100 | 7 820 | | | | | | | | | *6 960 | 4 450 | 4 350 |
| with 600 mm shoe 2 850 kg CWT monoblock boom 5,2 m + arm 3,0 m | 6,0 m kg | | | | | | | *3 450 | 3 280 | | | | | *3 240 | 2 700 | 6 720 |
| | 4,5 m kg | | | | | | | *3 750 | 3 200 | | | | | *3 180 | 2 200 | 7 500 |
| | 3,0 m kg | | | *7 710 | *7 710 | *5 270 | 4 690 | *4 430 | 3 050 | 3 450 | 2 140 | | | 3 160 | 1 960 | 7 910 |
| | 1,5 m kg | | | *5 140 | *5 140 | *6 970 | 4 310 | 4 700 | 2 870 | 3 360 | 2 060 | | | 3 030 | 1 860 | 8 020 |
| | 0 m kg | | | *5 570 | *5 570 | 7 040 | 4 060 | 4 550 | 2 730 | 3 290 | 2 000 | | | 3 080 | 1 870 | 7 840 |
| | -1,5 m kg | *4 800 | *4 800 | *8 430 | 7 300 | 6 920 | 3 960 | 4 470 | 2 660 | | | | | 3 350 | 2 030 | 7 350 |
| | -3,0 m kg | *8 160 | *8 160 | *13 000 | 7 390 | 6 930 | 3 970 | 4 480 | 2 670 | | | | | 4 040 | 2 430 | 6 470 |
| | -4,5 m kg | | | *11 010 | 7 640 | 7 100 | 4 110 | | | | | | | 6 060 | 3 580 | 4 990 |

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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.

EC160B NLC

|  Across undercarriage  Along undercarriage | Lifting hook related to ground level | 1,5 m | | 3,0 m | | 4,5 m | | 6,0 m | | 7,5 m | | Max. reach | | | |
|---|--------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---------|-------|
| | |  |  |  |  |  |  |  |  |  |  |  |  | Max. mm | |
| with 600 mm shoe 2 850 kg CWT 2-piece boom 5,0 m + arm 2,3 m | 7,5 m kg | | | | | | | | | | | | *5 560 | *5 560 | 4 120 |
| | 6,0 m kg | | | | | *6 450 | 5 090 | | | | | | *4 800 | 3 360 | 5 740 |
| | 4,5 m kg | | | *7 860 | *7 860 | *6 990 | 4 890 | 4 980 | 3 090 | | | | 4 200 | 2 600 | 6 640 |
| | 3,0 m kg | | | | | 7 640 | 4 530 | 4 820 | 2 950 | | | | 3 690 | 2 260 | 7 110 |
| | 1,5 m kg | | | | | 7 230 | 4 170 | 4 650 | 2 800 | | | | 3 520 | 2 130 | 7 230 |
| | 0 m kg | | | | | 7 000 | 3 980 | 4 530 | 2 690 | | | | 3 620 | 2 170 | 7 030 |
| | -1,5 m kg | | | *10 050 | 7 340 | 6 960 | 3 950 | 4 510 | 2 670 | | | | 4 070 | 2 430 | 6 470 |
| | -3,0 m kg | | | | | *5 350 | 4 050 | | | | | | *4 090 | 3 190 | 5 380 |
| with 600 mm shoe 2 850 kg CWT 2-piece boom 5,0 m + arm 2,6 m | 7,5 m kg | | | | | *4 790 | *4 790 | | | | | | *4 350 | *4 350 | 4 670 |
| | 6,0 m kg | | | | | *5 550 | 5 160 | *4 290 | 3 170 | | | | *3 790 | 3 040 | 6 140 |
| | 4,5 m kg | | | *5 870 | *5 870 | *6 360 | 4 960 | 5 020 | 3 130 | | | | *3 650 | 2 410 | 6 980 |
| | 3,0 m kg | | | *11 870 | 8 500 | 7 720 | 4 600 | 4 860 | 2 980 | | | | 3 460 | 2 110 | 7 430 |
| | 1,5 m kg | | | | | 7 280 | 4 220 | 4 670 | 2 820 | 3 340 | 2 020 | | 3 310 | 2 000 | 7 550 |
| | 0 m kg | | | *5 630 | *5 630 | 7 010 | 3 990 | 4 540 | 2 690 | | | | 3 390 | 2 040 | 7 355 |
| | -1,5 m kg | | | *9 670 | 7 280 | 6 940 | 3 930 | 4 490 | 2 650 | | | | 3 760 | 2 250 | 6 830 |
| | -3,0 m kg | | | | | *5 940 | 4 000 | | | | | | *3 950 | 2 820 | 5 860 |
| with 600 mm shoe 2 850 kg CWT 2-piece boom 5,0 m + arm 3,0 m | 7,5 m kg | | | | | *4 650 | *4 650 | | | | | | *3 600 | *3 600 | 5 270 |
| | 6,0 m kg | | | | | *4 680 | *4 680 | *4 340 | 3 230 | | | | *3 200 | 2 710 | 6 600 |
| | 4,5 m kg | | | | | *5 140 | 5 040 | 5 070 | 3 160 | | | | *3 080 | 2 190 | 7 390 |
| | 3,0 m kg | | | *10 820 | 8 800 | *7 350 | 4 670 | 4 890 | 3 000 | 3 420 | 2 090 | | *3 130 | 1 940 | 7 810 |
| | 1,5 m kg | | | *6 320 | *6 320 | 7 330 | 4 260 | 4 680 | 2 820 | 3 330 | 2 010 | | 3 060 | 1 840 | 7 930 |
| | 0 m kg | | | *6 050 | *6 050 | 7 010 | 3 980 | 4 520 | 2 670 | 3 260 | 1 950 | | 3 120 | 1 860 | 7 740 |
| | -1,5 m kg | | | *9 010 | 7 160 | 6 880 | 3 880 | 4 440 | 2 600 | | | | 3 410 | 2 030 | 7 240 |
| | -3,0 m kg | | | *8 880 | 7 300 | *6 560 | 3 910 | 4 490 | 2 640 | | | | *3 940 | 2 470 | 6 350 |

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STANDARD EQUIPMENT

Engine

Turbocharged, 4 stroke diesel engine with water cooling, direct injection and charged air cooler that meets EU Step 2 requirements
3-stage air filter with indicator
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
Overload warning device
Adjustable monitor
Master switch
Engine restart prevention circuit
High capacity halogen lights:
– Frame mounted 2
– Boom mounted 2
Batteries, 2 x 12 V / 150 Ah
Start motor, 24 V / 4,8 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

Access way with handrail
Tool storage area
Punched metal anti-slip plates
Counterweight, 2 850 kg
Undercover (heavy duty 4,5 mm)

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
– Stereo cassette radio
Anti-vandalism kit assembly preparation
Rain shield, front
Sun shield, front, roof, rear
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

500 / 600 / 700 / 800 / 900 mm
track shoes with triple grousers

Digging equipment

Boom: 5,2 m monoblock
5,0 m 2-piece
Arm: 2,3 / 2,6 / 3,0 m

Undercarriage

LC (Long crawler)
NLC (Narrow long crawler)

OPTIONAL EQUIPMENT (Standard in certain markets)

Engine

Block heater, 120V / 240 V
Diesel coolant heater
Tropical cooling kit

Electric

Extra lamps:
– Cab-mounted 3, (front 2, rear 1)
– Counterweight-mounted 1
Rotating warning beacon
Travel alarm

Hydraulic system

Hose rupture valve: dipper arm
Hydraulic piping
– Hammer & shears:
1 pump flow
2 pump flow
Additional return filter
Pump flow control for hammer & shears
Extra piping for slope & rotator
– Slope & rotator
– Grapple
– Oil leak (drain) line
– Quick fit piping
Volvo hydraulic quick-fit, S1, S6 size
Hydraulic oil, ISO VG 32
Hydraulic oil, ISO VG 68
Hydraulic oil, biodegradable 32
Hydraulic oil, biodegradable 46
Boom floating function

Cab and interior

Falling object guard (FOG)
Cab mounted falling object protective structures (FOPS)
Safety net for front window
Lower wiper
Anti-vandalism kit

Undercarriage

1 additional track guard each side

Service

Tool kit, full scale
Spare parts

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.

VOLVO

Construction Equipment

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