

V O L V O



Volvo Excavators for demolition

EC300E STRAIGHT BOOM, EC380E STRAIGHT BOOM

Volvo Construction Equipment





Made for demolition

Specialist tasks require specialist equipment, which is why Volvo offer a range of tailor-made machinery, specially adapted to meet the unique requirements of the segment you are working in. Two such machines are the EC300E Straight Boom and EC380E Straight Boom – configured to deliver the highest levels of performance and safety in demolition applications, all while retaining the quality and comfort you would expect from their standard counterparts.

The perfect choice in demolition applications

With a significant height advantage over standard models, the custom-built straight boom excavators offer a clear view of the jobsite, and ultimate protection against falling debris. Providing outstanding reach, stability and lifting capabilities, along with a durable design and protected operator environment, the EC300E Straight Boom and EC380E Straight Boom models are the perfect choice when working in demolition applications.

More than machines

As with all Volvo products you can trust in the full support and back-up of your Volvo dealer, combined with a comprehensive portfolio of Volvo aftermarket solutions, for the lifetime of your machine.

Configured for success

High visibility, protected cab

Industry renowned Volvo Care Cab comfort combines additional features to enhance safety and visibility

- Frame-mounted Falling Object Guards
- Wide opening of front guard for easy cleaning
- Roll Over Protection Structure, meeting ISO 12117-2:2008 requirements
- P5A grade glazing on single-piece front window and roof window, offering high impact protection which meets EN356 standards
- Washer and wiper on windshield and roof window

LED lights

See more, do more

Standard LED lights on the cab, platform, counterweight and boom

Reversible cooling fan

Protects vital machine components from damage through overheating

Reversible functionality enables self-cleaning, reducing maintenance requirements and machine downtime

Heavy counterweight

Outstanding stability, yet easy to transport

A hydraulically removable counterweight enables easy transportation (EC380E Straight Boom)





Specialist work equipment

Fully equipped and ready for action

- 7.0 meter straight boom
- Dedicated arms
- X1 and X3 auxiliary piping
- Quick fit and oil drain line
- Water lines for dust suppression system

Dust suppression system

The unique Volvo system captures dust, removing the need for a separate truck for pumping water

- 30 liters per minute water pump
- Four nozzles fitted on the arm create a fine mist which encapsulates the dust
- Selectable Auto/Manual mode. In Auto mode, the water is only sprayed when the attachment is operating
- Can also be used for cleaning the machine, with a high-pressure water gun mounted behind the cab

Heavy duty protection

Ultimate protection from damage and debris, securing uptime and long-term performance

- Boom cylinder protection
- Bucket cylinder protection
- Heavy-duty side doors with screens and louvers
- Slew ring cover
- Side Impact Protection Structure (SIPS): choice of fixed cab entrance and thicker SIPS or the new foldable cab entrance and narrow SIPS to facilitate transportation (EC380E Straight Boom)
- Heavy-Duty or eXtreme-Duty undercover
- Heavy-Duty belly cover
- Full track guard

Take a closer look

Hydraulically removable counterweight (EC380E Straight boom)



High visibility cab



Dust Suppression System - Selectable Auto/Manual mode



LED lighting



Heavy duty side doors



Reversible cooling fan



Volvo EC300E Straight Boom in detail

Engine

The next-generation Volvo diesel engine uses Volvo Advanced Combustion Technology (V-ACT) to deliver lower emissions, superior performance and fuel efficiency. The engine uses precise, highpressure fuel injectors, turbo charger and intercooler, and electronic engine controls to optimize machine performance.

| | | |
|----------------------------|-------|-------|
| Engine | Volvo | D8M |
| Max power at | r/min | 1 600 |
| Net, ISO 9249/SAE J1349 | kW | 188 |
| | hp | 256 |
| Gross, ISO 14396/SAE J1995 | kW | 189 |
| | hp | 257 |
| Max torque | Nm | 1 290 |
| at engine speed | r/min | 1 400 |
| No. of cylinders | | 6 |
| Displacement | l | 7.7 |
| Bore | mm | 110 |
| Stroke | mm | 135 |

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.

| | | |
|------------------|--------|----------|
| Voltage | V | 24 |
| Batteries | V | 2 x 12 |
| Battery capacity | Ah | 170 |
| Alternator | V/A | 28 / 120 |
| Start motor | V - kW | 24 - 5.5 |

Undercarriage

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

| | | |
|----------------------------|----|---------------------------|
| Track shoes | | 2 x 50 |
| Link pitch | mm | 203 |
| Shoe width, triple grouser | mm | 600/600HD/ 700/800/900 |
| Shoe width, double grouser | mm | 600 / 700 |
| Bottom rollers | | 2 x 9 |
| Top rollers | | 2 x 2 |

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. Refrigerant of the type R134a is used when this machine is equipped with air conditioning. Contains fluorinated greenhouse gas R134a, Global Warming Potential 1.430 t CO₂-eq.

Swing system

The swing system uses an axial piston motors, driving a planetary gearbox for maximum torque. An automatic holding brake and anti-rebound valve are standard.

| | | |
|------------------|-------|-------|
| Max. slew speed | r/min | 11 |
| Max. slew torque | kNm | 114.8 |

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 | 248 |
| Max. travel speed (low) | km/h | 3.6 |
| Max. travel speed (high) | km/h | 5.4 |
| Gradeability | ° | 35 |

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 excellent fuel economy. The summation system, boom, arm and swing priority along with boom, arm and bucket regeneration provides optimum performance.

Main pump, Type 2 x Variable displacement axial piston pumps

| | | |
|--------------|-------|---------|
| Maximum flow | l/min | 2 x 276 |
|--------------|-------|---------|

Pilot pump, Type Gear Pump

| | | |
|--------------|-------|------|
| Maximum flow | l/min | 20.3 |
|--------------|-------|------|

Max. pressure

| | | |
|----------------|-----|-------------|
| Implement | MPa | 33.3 / 36.3 |
| Travel circuit | MPa | 36.3 |
| Slew circuit | MPa | 28.9 |
| Pilot circuit | MPa | 3.9 |

Hydraulic Motors

Travel: Variable displacement axial piston motor with mechanical brake.

Slew: Fixed displacement axial piston motor with mechanical brake.

Hydraulic Cylinders

| | | |
|---------------|--------|-------------|
| Boom | | 2 |
| Bore x Stroke | ø x mm | 140 x 1 480 |
| Arm | | 1 |
| Bore x Stroke | ø x mm | 150 x 1 745 |
| Bucket | | 1 |
| Bore x Stroke | ø x mm | 140 x 1 140 |

Service Refill

| | | |
|-------------------------|---|-------|
| Fuel tank | l | 472 |
| DEF/AdBlue® tank | l | 50 |
| Hydraulic system, total | l | 385 |
| Hydraulic tank | l | 215 |
| Engine oil | l | 30 |
| Engine coolant | l | 44 |
| Slew reduction unit | l | 6.1 |
| Travel reduction unit | l | 2 x 6 |

Sound Level

| | | |
|--|----|-----|
| Sound pressure level in cab according to ISO 6396 | | |
| L _{pA} | dB | 70 |
| External sound level according to ISO 6395 and EU Noise Directive 2000/14/EC | | |
| L _{WA} | dB | 104 |

Volvo EC380E Straight Boom in detail

Engine

The latest generation, Volvo engine Stage V emissions certified diesel engine fully meets the demands of the latest, emissions regulations. Featuring Volvo Advanced Combustion Technology (V-ACT), it is designed to deliver superior performance and fuel efficiency. The engine uses precise, high-pressure fuel injectors, turbo charger and air-to-air intercooler, and electronic engine controls to optimize machine performance.

Air Filter: 3-stage with precleaner.

Automatic Idling System: Reduces engine speed to idle when the levers and pedals are not activated resulting in less fuel consumption and low cab noise levels.

| | | |
|----------------------------|-------|-------|
| Engine | Volvo | D13J |
| Max power at | r/min | 1 700 |
| Net, ISO 9249/SAE J1349 | kW | 229 |
| | hp | 311 |
| Gross, ISO 14396/SAE J1995 | kW | 230 |
| | hp | 313 |
| Max torque | Nm | 1 692 |
| at engine speed | r/min | 1 275 |
| No. of cylinders | | 6 |
| Displacement | l | 12.8 |
| Bore | mm | 131 |
| Stroke | mm | 158 |

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

Undercarriage

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

| | | |
|----------------------------|----|---------------------------|
| Track shoes | | 2 x 50 |
| Link pitch | mm | 215.9 |
| Shoe width, triple grouser | mm | 600/600HD/ 700/800/900 |
| Shoe width, double grouser | mm | 600 |
| Bottom rollers | | 2 x 9 |
| Top rollers | | 2 x 2 |

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 14 vents.

Ergonomic operator's seat: The adjustable seat and joystick console move independently to accommodate the operator. The seat has 12 different adjustments 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 1.430 t CO₂-eq.

Swing system

The swing system uses an axial piston motors, driving a planetary gearbox for maximum torque. An automatic holding brake and anti-rebound valve are standard.

| | | |
|------------------|-------|-------|
| Max. slew speed | r/min | 10.2 |
| Max. slew torque | kNm | 130.5 |

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 | 276.5 |
| Max. travel speed (low) | km/h | 3.4 |
| Max. travel speed (high) | km/h | 5.3 |
| Gradeability | ° | 35 |

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 300 |
|--------------|-------|---------|

Pilot pump, Type Gear pump

| | | |
|--------------|-------|------|
| Maximum flow | l/min | 32.6 |
|--------------|-------|------|

Max. pressure

| | | |
|----------------|-----|-------------|
| Implement | MPa | 32.4 / 35.3 |
| Travel circuit | MPa | 35.3 |
| Slew circuit | MPa | 27.9 |
| Pilot circuit | MPa | 3.9 |

Hydraulic Motors

Travel: Variable displacement axial piston motor with mechanical brake.

Slew: Fixed displacement axial piston motor with mechanical brake.

Hydraulic Cylinders

| | | |
|---------------|--------|-------------|
| Boom | | 2 |
| Bore x Stroke | ø x mm | 160 x 1 530 |
| Arm | | 1 |
| Bore x Stroke | ø x mm | 175 x 1 700 |
| Bucket | | 1 |
| Bore x Stroke | ø x mm | 145 x 1 285 |

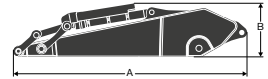
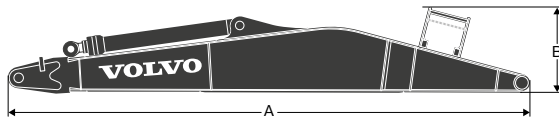
Service Refill

| | | |
|-------------------------|---|---------|
| Fuel tank | l | 620 |
| DEF/AdBlue® tank | l | 62.5 |
| Hydraulic system, total | l | 500 |
| Hydraulic tank | l | 225 |
| Engine oil | l | 42 |
| Engine coolant | l | 60 |
| Slew reduction unit | l | 6.5 |
| Travel reduction unit | l | 2 x 6.8 |

Sound Level

| | | |
|--|----|-----|
| Sound pressure level in cab according to ISO 6396 | | |
| L _{pA} | dB | 71 |
| External sound level according to ISO 6395 and EU Noise Directive 2000/14/EC | | |
| L _{WA} | dB | 105 |

Specifications



DIMENSIONS

EC300E

| Description | Unit | Straight | Description | Unit | |
|-------------|----------|------------|-------------|----------|----------------|
| Boom | m | 7.0 | Arm | m | 3.05 HD |
| A | mm | 7 225 | A | mm | 4 145 |
| B | mm | 1 059 | B | mm | 1 010 |
| Width | mm | 766 | Width | mm | 560 |
| Weight | kg | 3 178 | Weight | kg | 1 969 |

* Includes cylinder, piping and pin, excludes boom cylinder pin

* Includes bucket cylinder, protector, linkage, piping, and pin

EC380E

| Description | Unit | Straight | Description | Unit | | |
|-------------|----------|------------|-------------|----------|---------------|---------------|
| Boom | m | 7.0 | Arm | m | 3.2 HD | 3.9 HD |
| A | mm | 7 260 | A | mm | 4 360 | 5 080 |
| B | mm | 1 240 | B | mm | 1 145 | 1 145 |
| Width | mm | 820 | Width | mm | 560 | 560 |
| Weight | kg | 3 950 | Weight | kg | 2 490 | 2 714 |

* Includes arm cylinder, piping and pin

* Includes bucket cylinder, linkage and pin, bucket cylinder protection

TOOL WEIGHT GUIDELINE FOR STRAIGHT BOOM

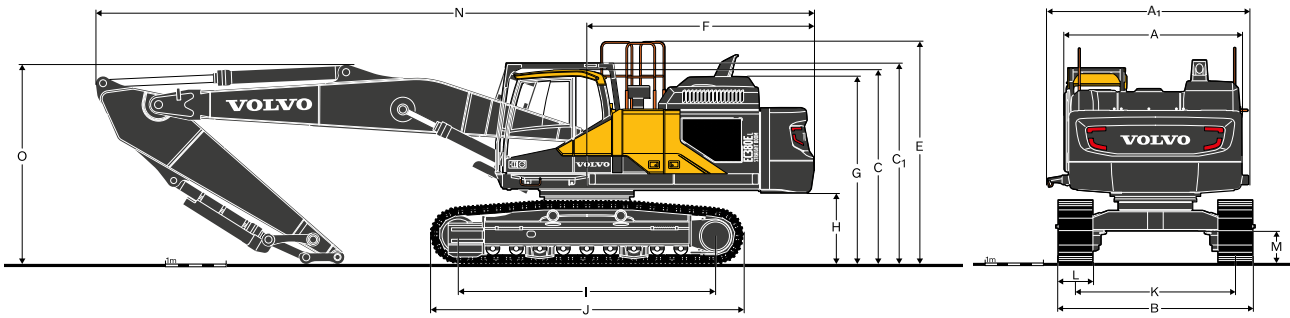
Allowable tool weight at arm end w/o quick fit

| Model | | EC300E | | EC380E | | | |
|----------------|----|--------|-------|--------|-------|-------|-------|
| | | L | NL | L | | NL | |
| Lower frame | | | | 7.0 | | 7.0 | |
| Boom | m | 7.0 | | 7.0 | | 7.0 | |
| Arm | m | 3.05 | | 3.2 | 3.9 | 3.2 | 3.9 |
| CWT | t | 6.9 | | 9.0 | 10.0 | 9.0 | 10.0 |
| Breaker | kg | 2 400 | 2 100 | 3 600 | 3 500 | 3 200 | 3 100 |
| Crusher | kg | 3 100 | 2 800 | 4 800 | 4 600 | 4 200 | 4 100 |
| Multiprocessor | kg | 2 700 | 2 500 | 4 200 | 4 000 | 3 600 | 3 500 |
| Shear | kg | 2 400 | 2 100 | 3 600 | 3 500 | 3 200 | 3 100 |
| Sort & Grab | kg | 1 700 | 1 500 | 2 600 | 2 600 | 2 300 | 2 200 |

Boom mount attachment

| Model | | EC300E | | EC380E | | | |
|-------------|----|--------|-------|--------|-------|-------|-------|
| | | L | NL | L | | NL | |
| Lower frame | | | | 7.0 | | 7.0 | |
| Boom | m | 7.0 | | 7.0 | | 7.0 | |
| CWT | t | 6.9 | | 9.0 | 10.0 | 9.0 | 10.0 |
| Shear | kg | 4 900 | 4 600 | 7 500 | 7 900 | 7 000 | 7 400 |

Specifications



DIMENSIONS

| Description | Unit | EC300EL | EC300ENL |
|--|----------|-------------|-------------|
| Boom | m | 7.0 | 7.0 |
| Arm | m | 3.05 | 3.05 |
| A. Overall width of upper structure | mm | 2 890 | 2 890 |
| A ₁ . Overall width of upper frame - SIPS | mm | 3 086 | 3 086 |
| Overall width of upper frame - Narrow SIPS | mm | 2 928 | 2 928 |
| B. Overall width | mm | 3 190 | 2 990 |
| C. Overall height of cab | mm | 3 110 | 3 110 |
| C ₁ . Overall height of FOG | mm | 3 220 | 3 220 |
| D. Overall height of handrail | mm | 3 360 | 3 360 |
| E. Overall height of guardrail (Unfolded) | mm | 3 570 | 3 570 |
| E'. Overall height of guardrail (Folded) | mm | 3 090 | 3 090 |
| F. Tail swing radius | mm | 3 120 | 3 120 |
| G. Overall height of engine hood | mm | 3 010 | 3 010 |
| H. Counterweight clearance * | mm | 1 105 | 1 105 |
| I. Tumbler length | mm | 4 015 | 4 015 |
| J. Track length | mm | 4 865 | 4 865 |
| K. Track gauge | mm | 2 590 | 2 390 |
| L. Shoe width | mm | 600 | 600 |
| M. Min. ground clearance * | mm | 475 | 475 |
| N. Overall length | mm | 11 340 | 11 340 |
| O. Overall height of boom | mm | 2 954 | 2 954 |

* Without shoe grouser

DIMENSIONS

| Description | Unit | EC380EL | | EC380ENL | |
|--|----------|------------|------------|------------|------------|
| Boom | m | 7.0 | | 7.0 | |
| Arm | m | 3.2 | 3.9 | 3.2 | 3.9 |
| A. Overall width of upper structure | mm | 2 990 | 2 990 | 2 990 | 2 990 |
| A ₁ . Overall width of upper frame - SIPS with fixed cab entrance | mm | 3 437 | 3 437 | 3 437 | 3 437 |
| Overall width of upper frame - Narrow SIPS with foldable cab entrance (unfolded) | mm | 3 345 | 3 345 | 3 345 | 3 345 |
| Overall width of upper frame - Narrow SIPS with foldable cab entrance (folded) | mm | 3 168 | 3 168 | 3 168 | 3 168 |
| B. Overall width | mm | 3 340 | 3 340 | 2 990 | 2 990 |
| C. Overall height of cab | mm | 3 220 | 3 220 | 3 220 | 3 220 |
| C ₁ . Overall height of FOG | mm | 3 330 | 3 330 | 3 330 | 3 330 |
| D. Overall height of engine hood | mm | 3 110 | 3 110 | 3 110 | 3 110 |
| E. Overall height of diffuser | mm | 3 468 | 3 468 | 3 468 | 3 468 |
| F. Overall height of guardrail | mm | 3 687 | 3 687 | 3 687 | 3 687 |
| G. Tail swing radius | mm | 3 760 | 3 760 | 3 760 | 3 760 |
| G'. Tail swing radius, with removed counterweight | mm | 3 582 | 3 582 | 3 582 | 3 582 |
| H. Counterweight clearance* | mm | 1 150 | 1 150 | 1 150 | 1 150 |
| I. Tumbler length | mm | 4 240 | 4 240 | 4 240 | 4 240 |
| J. Track length | mm | 5 180 | 5 180 | 5 180 | 5 180 |
| K. Track gauge | mm | 2 740 | 2 740 | 2 390 | 2 390 |
| L. Shoe width | mm | 600 | 600 | 600 | 600 |
| M. Min. ground clearance* | mm | 500 | 500 | 500 | 500 |
| N. Overall length | mm | 11 940 | 11 895 | 11 940 | 11 895 |
| O. Overall height of boom | mm | 2 950 | 3 300 | 2 950 | 3 300 |

* Without shoe grouser

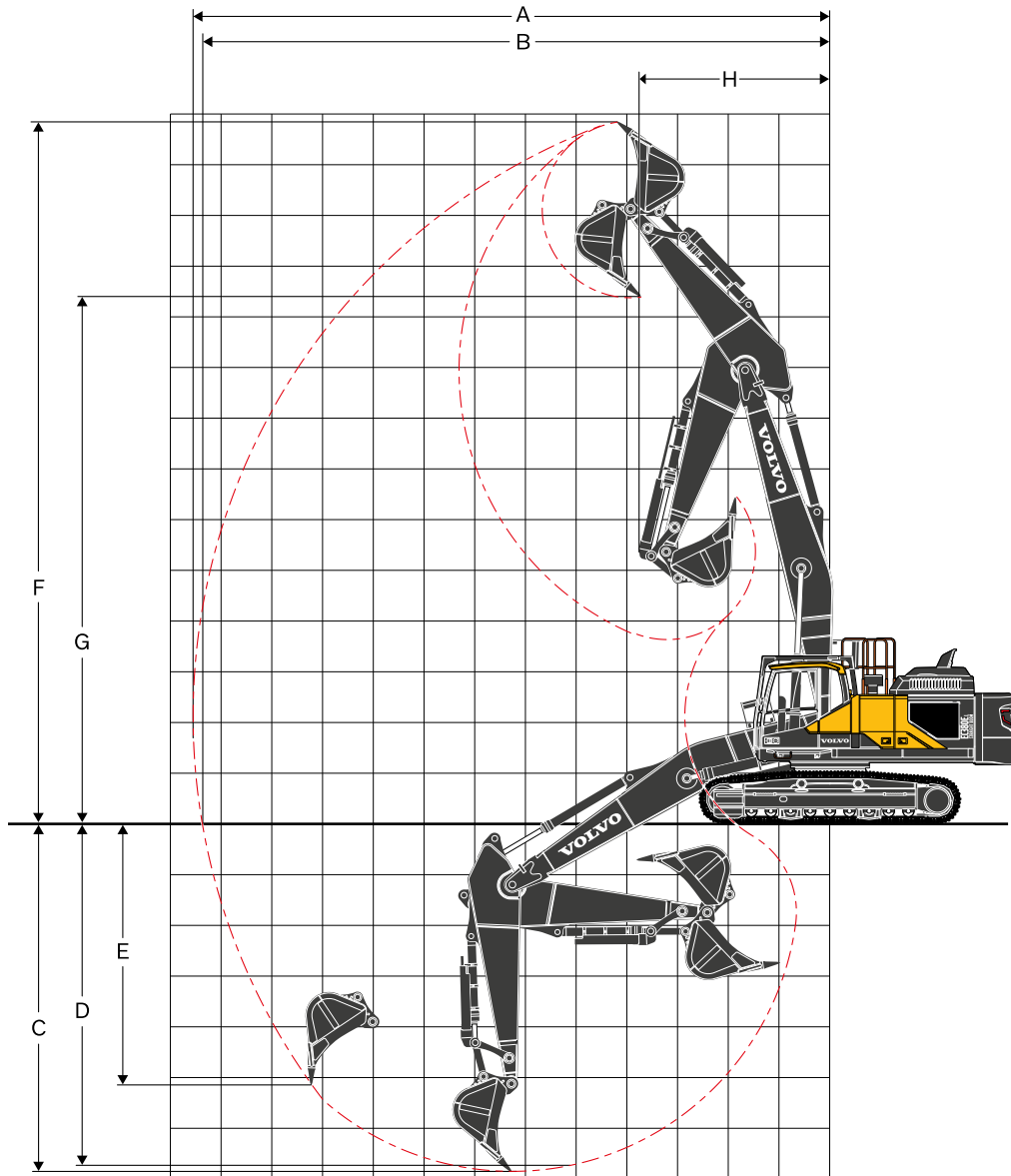
MACHINE WEIGHTS AND GROUND PRESSURE

| | | EC300E Straight Boom | | | | | |
|--------------------|------------|---|-----------------|---------------|--|-----------------|---------------|
| | | EC300E with L undercarriage, 7.0 m boom, 3.05 m HD arm, 1 209 kg bucket, 6 900 kg counterweight | | | EC300E with NL undercarriage, 7.0 m boom, 3.05 m HD arm, 1 209 kg bucket, 6 900 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 | 34 327 | 65.0 | 3 190 | 34 195 | 64.8 | 2 990 |
| | 700 | 34 910 | 56.7 | 3 290 | 34 778 | 56.5 | 3 090 |
| | 800 | 35 286 | 50.2 | 3 390 | 35 155 | 50.0 | 3 190 |
| | 900 | 35 658 | 45.0 | 3 490 | 35 526 | 44.9 | 3 290 |
| Triple grouser(HD) | 600 | 34 482 | 65.3 | 3 190 | 34 351 | 65.1 | 2 990 |
| Double grouser | 600 | 34 643 | 65.6 | 3 190 | 34 512 | 65.4 | 2 990 |
| | 700 | 35 045 | 56.9 | 3 290 | 34 914 | 56.7 | 3 090 |

MACHINE WEIGHTS AND GROUND PRESSURE

| | | EC380E Straight Boom | | | |
|--------------------|------------|---|-----------------|--|-----------------|
| | | EC380E with LC undercarriage, 7.0 m boom, 3.2 m arm, 1 546 kg bucket, 9 000 kg counterweight | | EC380E with NLC undercarriage, 7.0 m boom, 3.2 m arm, 1 546 kg bucket, 9 000 kg counterweight | |
| Description | Shoe width | Operating weight | Ground pressure | Operating weight | Ground pressure |
| | mm | kg | kPa | kg | kPa |
| Triple grouser | 600 | 44 262 | 79.2 | 44 004 | 78.7 |
| | 700 | 44 704 | 68.5 | 44 446 | 68.1 |
| | 800 | 45 146 | 60.6 | 44 888 | 60.2 |
| | 900 | 45 588 | 54.4 | 45 330 | 54.1 |
| Triple grouser(HD) | 600 | 44 701 | 80.0 | 44 443 | 79.5 |
| Double grouser | 600 | 44 525 | 79.6 | 44 267 | 79.2 |
| | | EC380E with LC undercarriage, 7.0 m boom, 3.9 m arm, 1 546 kg bucket, 10 000 kg counterweight | | EC380E with NLC undercarriage, 7.0 m boom, 3.9 m arm, 1 546 kg bucket, 10 000 kg counterweight | |
| Description | Shoe width | Operating weight | Ground pressure | Operating weight | Ground pressure |
| | mm | kg | kPa | kg | kPa |
| Triple grouser | 600 | 45 195 | 80.8 | 44 937 | 80.4 |
| | 700 | 45 637 | 70.0 | 45 379 | 69.6 |
| | 800 | 46 079 | 61.8 | 45 821 | 61.5 |
| | 900 | 46 521 | 55.5 | 46 263 | 55.2 |
| Triple grouser(HD) | 600 | 45 634 | 81.6 | 45 376 | 81.2 |
| Double grouser | 600 | 45 458 | 81.3 | 45 200 | 80.8 |

Specifications

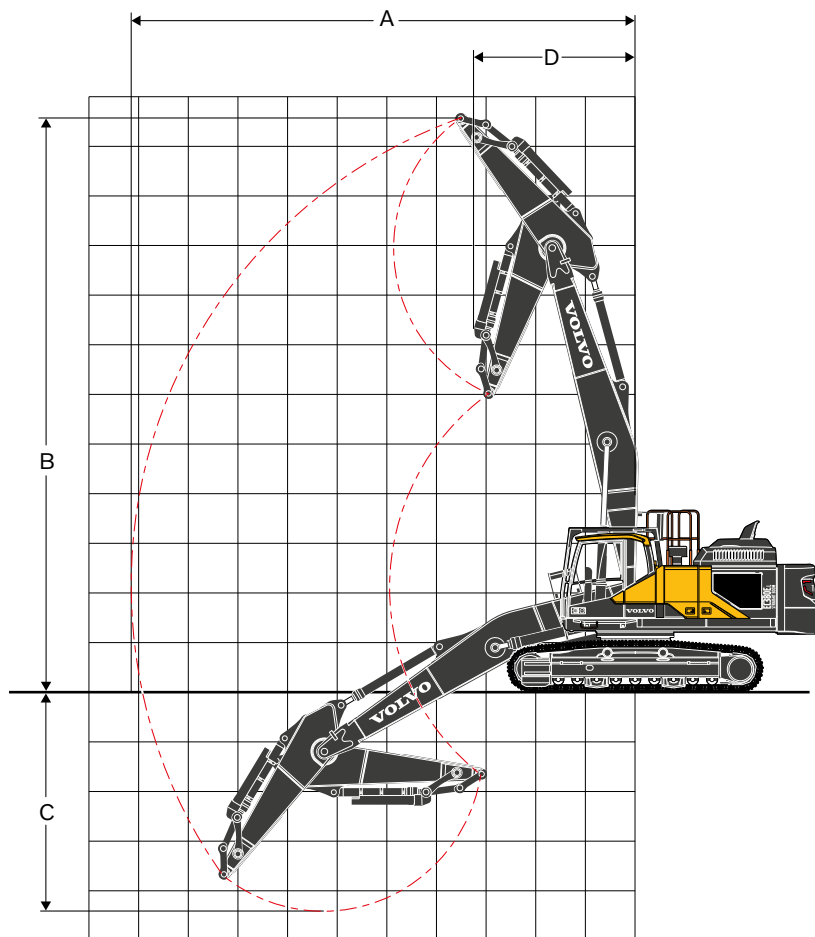


WORKING RANGES

| Description | Unit | EC300EL and EC300ENL | EC380EL and EC380ENL | |
|--------------------------------------|----------|----------------------|----------------------|---------------|
| | | 7.0 Straight | 7.0 Straight | 3.9 HD |
| Boom | m | | | |
| Arm | m | 3.05 HD | 3.2 HD | 3.9 HD |
| A. Max. digging reach | mm | 11 716 | 11 890 | 12 565 |
| B. Max. digging reach on ground | mm | 11 536 | 11 700 | 12 380 |
| C. Max. digging depth | mm | 6 110 | 6 140 | 6 840 |
| D. Max. digging depth (2.44 m level) | mm | 5 948 | 5 985 | 6 705 |
| E. Max. vertical wall digging depth | mm | 4 863 | 4 350 | 5 120 |
| F. Max. cutting height | mm | 13 117 | 13 300 | 13 860 |
| G. Max. dumping height | mm | 9 881 | 9 835 | 10 400 |
| H. Min. front slew radius | mm | 3 473 | 3 495 | 3 760 |

DIGGING FORCES WITH DIRECT FIT BUCKET

| Bucket radius | | | mm | 1 624 | | |
|----------------------------|-------------|-----------|----|-------|-------|-------|
| Breakout force - bucket | Normal | SAE J1179 | kN | 165 | 198.0 | 198.0 |
| | Power boost | SAE J1179 | kN | 179 | 215.0 | 215.0 |
| | Normal | ISO 6015 | kN | 190 | 221.7 | 221.7 |
| | Power boost | ISO 6015 | kN | 207 | 242.7 | 242.7 |
| Tearout force - dipper arm | Normal | SAE J1179 | kN | 133 | 161.9 | 141.3 |
| | Power boost | SAE J1179 | kN | 144 | 176.9 | 154.3 |
| | Normal | ISO 6015 | kN | 136 | 166.0 | 144.4 |
| | Power boost | ISO 6015 | kN | 148 | 181.0 | 157.4 |



| Description | Unit | EC300E | EC380E | |
|----------------------------|----------|-------------|------------|------------|
| Boom | m | 7.0 | 7.0 | |
| Arm | m | 3.05 | 3.2 | 3.9 |
| A. Max. pin reach | mm | 10 097 | 10 150 | 10 825 |
| B. Max. pin height | mm | 11 500 | 11 580 | 12 140 |
| C. Max. pin depth | mm | 4 491 | 4 395 | 5 095 |
| D. Min. front swing radius | mm | 3 191 | 3 240 | 3 520 |

Specifications

LIFTING CAPACITY EC300EL

Lifting capacity at the arm end without bucket / with bucket cylinder protection.

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 | 3.0 m | | 4.5 m | | 6.0 m | | 7.5 m | | 9.0 m | | Max. reach | | | |
|---|--------------------------------------|----------|-----------|----------|-----------|----------|-----------|----------|-----------|----------|-----------|------------|-----------|--------|------|
| | | Along UC | Across UC | Along UC | Across UC | Along UC | Across UC | Along UC | Across UC | Along UC | Across UC | Along UC | Across UC | m | |
| Boom : 7.0 m Straight Arm : 3.05 m HD Shoe : 600 mm CWT : 6 900 kg | 10.5 m kg | | | | | | | | | | | | *8 640 | *8 640 | 5.3 |
| | 9.0 m kg | | | | | *9 400 | *9 400 | | | | | | *6 910 | 6 800 | 7.2 |
| | 7.5 m kg | | | | | *9 070 | *9 070 | *8 390 | 6 500 | | | | *6 180 | 5 120 | 8.4 |
| | 6.0 m kg | | | *9 370 | *9 370 | *9 990 | 9 180 | *8 540 | 6 340 | 7 210 | 4 550 | | *5 830 | 4 260 | 9.3 |
| | 4.5 m kg | | | | | *10 900 | 8 570 | *8 860 | 6 040 | 7 100 | 4 440 | | *5 700 | 3 770 | 9.8 |
| | 3.0 m kg | | | | | *11 590 | 7 880 | *9 150 | 5 690 | 6 910 | 4 270 | | *5 730 | 3 510 | 10.1 |
| | 1.5 m kg | | | | | *11 770 | 7 330 | 8 850 | 5 370 | 6 720 | 4 090 | | 5 620 | 3 400 | 10.1 |
| | 0 m kg | | | | | *11 250 | 7 000 | 8 590 | 5 140 | 6 570 | 3 960 | | *5 710 | 3 450 | 9.9 |
| | -1.5 m kg | | | *12 000 | 10 560 | *10 040 | 6 870 | *8 000 | 5 030 | *6 030 | 3 910 | | *5 100 | 3 670 | 9.5 |
| | -3.0 m kg | *8 280 | *8 280 | *9 390 | *9 390 | *8 120 | 6 900 | *6 380 | 5 040 | | | | *4 180 | 4 160 | 8.8 |
| -4.5 m kg | *4 100 | *4 100 | *5 800 | *5 800 | *5 170 | *5 170 | *3 170 | *3 170 | | | | *2 610 | *2 610 | 7.7 | |
| Boom : 7.0 m Straight Arm : 3.05 m HD Shoe : 700 mm CWT : 6 900 kg | 10.5 m kg | | | | | | | | | | | | *8 640 | *8 640 | 5.3 |
| | 9.0 m kg | | | | | *9 400 | *9 400 | | | | | | *6 910 | 6 900 | 7.2 |
| | 7.5 m kg | | | | | *9 070 | *9 070 | *8 390 | 6 600 | | | | *6 180 | 5 210 | 8.4 |
| | 6.0 m kg | | | *9 370 | *9 370 | *9 990 | 9 310 | *8 540 | 6 440 | 7 340 | 4 630 | | *5 830 | 4 340 | 9.3 |
| | 4.5 m kg | | | | | *10 900 | 8 700 | *8 860 | 6 140 | 7 230 | 4 520 | | *5 700 | 3 850 | 9.8 |
| | 3.0 m kg | | | | | *11 590 | 8 020 | *9 150 | 5 790 | 7 040 | 4 350 | | *5 730 | 3 580 | 10.1 |
| | 1.5 m kg | | | | | *11 770 | 7 460 | 9 020 | 5 470 | 6 850 | 4 170 | | 5 730 | 3 470 | 10.1 |
| | 0 m kg | | | | | *11 250 | 7 130 | 8 760 | 5 240 | 6 700 | 4 040 | | *5 710 | 3 520 | 9.9 |
| | -1.5 m kg | | | *12 000 | 10 750 | *10 040 | 7 000 | *8 000 | 5 130 | *6 030 | 3 990 | | *5 100 | 3 750 | 9.5 |
| | -3.0 m kg | *8 280 | *8 280 | *9 390 | *9 390 | *8 120 | 7 030 | *6 380 | 5 140 | | | | *4 180 | *4 180 | 8.8 |
| -4.5 m kg | *4 100 | *4 100 | *5 800 | *5 800 | *5 170 | *5 170 | *3 170 | *3 170 | | | | *2 610 | *2 610 | 7.7 | |
| Boom : 7.0 m Straight Arm : 3.05 m HD Shoe : 800 mm CWT : 6 900 kg | 10.5 m kg | | | | | | | | | | | | *8 640 | *8 640 | 5.3 |
| | 9.0 m kg | | | | | *9 400 | *9 400 | | | | | | *6 910 | *6 910 | 7.2 |
| | 7.5 m kg | | | | | *9 070 | *9 070 | *8 390 | 6 660 | | | | *6 180 | 5 270 | 8.4 |
| | 6.0 m kg | | | *9 370 | *9 370 | *9 990 | 9 400 | *8 540 | 6 510 | 7 420 | 4 680 | | *5 830 | 4 390 | 9.3 |
| | 4.5 m kg | | | | | *10 900 | 8 790 | *8 860 | 6 210 | 7 310 | 4 580 | | *5 700 | 3 890 | 9.8 |
| | 3.0 m kg | | | | | *11 590 | 8 100 | *9 150 | 5 850 | 7 120 | 4 400 | | *5 730 | 3 620 | 10.1 |
| | 1.5 m kg | | | | | *11 770 | 7 550 | 9 120 | 5 530 | 6 930 | 4 220 | | 5 810 | 3 520 | 10.1 |
| | 0 m kg | | | | | *11 250 | 7 220 | 8 870 | 5 300 | 6 790 | 4 090 | | *5 710 | 3 570 | 9.9 |
| | -1.5 m kg | | | *12 000 | 10 880 | *10 040 | 7 090 | *8 000 | 5 190 | *6 030 | 4 040 | | *5 100 | 3 800 | 9.5 |
| | -3.0 m kg | *8 280 | *8 280 | *9 390 | *9 390 | *8 120 | 7 120 | *6 380 | 5 210 | | | | *4 180 | *4 180 | 8.8 |
| -4.5 m kg | *4 100 | *4 100 | *5 800 | *5 800 | *5 170 | *5 170 | *3 170 | *3 170 | | | | *2 610 | *2 610 | 7.7 | |
| Boom : 7.0 m Straight Arm : 3.05 m HD Shoe : 900 mm CWT : 6 900 kg | 10.5 m kg | | | | | | | | | | | | *8 640 | *8 640 | 5.3 |
| | 9.0 m kg | | | | | *9 400 | *9 400 | | | | | | *6 910 | *6 910 | 7.2 |
| | 7.5 m kg | | | | | *9 070 | *9 070 | *8 390 | 6 730 | | | | *6 180 | 5 320 | 8.4 |
| | 6.0 m kg | | | *9 370 | *9 370 | *9 990 | 9 490 | *8 540 | 6 570 | *7 480 | 4 730 | | *5 830 | 4 440 | 9.3 |
| | 4.5 m kg | | | | | *10 900 | 8 870 | *8 860 | 6 270 | 7 400 | 4 630 | | *5 700 | 3 940 | 9.8 |
| | 3.0 m kg | | | | | *11 590 | 8 190 | *9 150 | 5 920 | 7 210 | 4 450 | | *5 730 | 3 670 | 10.1 |
| | 1.5 m kg | | | | | *11 770 | 7 630 | *9 210 | 5 590 | 7 010 | 4 270 | | 5 880 | 3 560 | 10.1 |
| | 0 m kg | | | | | *11 250 | 7 300 | *8 870 | 5 370 | 6 870 | 4 140 | | *5 710 | 3 610 | 9.9 |
| | -1.5 m kg | | | *12 000 | 11 010 | *10 040 | 7 170 | *8 000 | 5 250 | *6 030 | 4 090 | | *5 100 | 3 840 | 9.5 |
| | -3.0 m kg | *8 280 | *8 280 | *9 390 | *9 390 | *8 120 | 7 200 | *6 380 | 5 270 | | | | *4 180 | *4 180 | 8.8 |
| -4.5 m kg | *4 100 | *4 100 | *5 800 | *5 800 | *5 170 | *5 170 | *3 170 | *3 170 | | | | *2 610 | *2 610 | 7.7 | |

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 EC300ENL

Lifting capacity at the arm end without bucket / with bucket cylinder protection.

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 | 3.0 m | | 4.5 m | | 6.0 m | | 7.5 m | | 9.0 m | | Max. reach | | | |
|---|--------------------------------------|----------|-----------|----------|-----------|----------|-----------|----------|-----------|----------|-----------|------------|-----------|--------|------|
| | | Along UC | Across UC | Along UC | Across UC | Along UC | Across UC | Along UC | Across UC | Along UC | Across UC | Along UC | Across UC | m | |
| Boom : 7.0 m Straight Arm : 3.05 m HD Shoe : 600 mm CWT : 6 900 kg | 10.5 m kg | | | | | | | | | | | | *8 640 | *8 640 | 5.3 |
| | 9.0 m kg | | | | | *9 400 | *9 400 | | | | | | *6 910 | 6 770 | 7.2 |
| | 7.5 m kg | | | | | *9 070 | *9 070 | *8 390 | 6 470 | | | | *6 180 | 5 100 | 8.4 |
| | 6.0 m kg | | | *9 370 | *9 370 | *9 990 | 9 150 | *8 540 | 6 320 | 7 180 | 4 530 | | *5 830 | 4 240 | 9.3 |
| | 4.5 m kg | | | | | *10 900 | 8 540 | *8 860 | 6 020 | 7 070 | 4 430 | | *5 700 | 3 760 | 9.8 |
| | 3.0 m kg | | | | | *11 590 | 7 850 | *9 150 | 5 670 | 6 880 | 4 250 | | 5 720 | 3 490 | 10.1 |
| | 1.5 m kg | | | | | *11 770 | 7 300 | 8 810 | 5 340 | 6 690 | 4 070 | | 5 590 | 3 390 | 10.1 |
| | 0 m kg | | | | | *11 250 | 6 970 | 8 560 | 5 110 | 6 540 | 3 940 | | 5 700 | 3 430 | 9.9 |
| | -1.5 m kg | | | *12 000 | 10 510 | *10 040 | 6 840 | *8 000 | 5 000 | *6 030 | 3 890 | | *5 100 | 3 650 | 9.5 |
| | -3.0 m kg | *8 280 | *8 280 | *9 390 | *9 390 | *8 120 | 6 870 | *6 380 | 5 020 | | | | *4 180 | 4 140 | 8.8 |
| -4.5 m kg | *4 100 | *4 100 | *5 800 | *5 800 | *5 170 | *5 170 | *3 170 | *3 170 | | | | *2 610 | *2 610 | 7.7 | |
| Boom : 7.0 m Straight Arm : 3.05 m HD Shoe : 700 mm CWT : 6 900 kg | 10.5 m kg | | | | | | | | | | | | *8 640 | *8 640 | 5.3 |
| | 9.0 m kg | | | | | *9 400 | *9 400 | | | | | | *6 910 | 6 880 | 7.2 |
| | 7.5 m kg | | | | | *9 070 | *9 070 | *8 390 | 6 570 | | | | *6 180 | 5 190 | 8.4 |
| | 6.0 m kg | | | *9 370 | *9 370 | *9 990 | 9 290 | *8 540 | 6 420 | 7 310 | 4 610 | | *5 830 | 4 320 | 9.3 |
| | 4.5 m kg | | | | | *10 900 | 8 670 | *8 860 | 6 120 | 7 200 | 4 510 | | *5 700 | 3 830 | 9.8 |
| | 3.0 m kg | | | | | *11 590 | 7 990 | *9 150 | 5 770 | 7 010 | 4 330 | | *5 730 | 3 560 | 10.1 |
| | 1.5 m kg | | | | | *11 770 | 7 430 | 8 980 | 5 440 | 6 820 | 4 150 | | 5 710 | 3 460 | 10.1 |
| | 0 m kg | | | | | *11 250 | 7 100 | 8 720 | 5 210 | 6 670 | 4 020 | | *5 710 | 3 500 | 9.9 |
| | -1.5 m kg | | | *12 000 | 10 710 | *10 040 | 6 970 | *8 000 | 5 100 | *6 030 | 3 970 | | *5 100 | 3 730 | 9.5 |
| | -3.0 m kg | *8 280 | *8 280 | *9 390 | *9 390 | *8 120 | 7 000 | *6 380 | 5 120 | | | | *4 180 | *4 180 | 8.8 |
| -4.5 m kg | *4 100 | *4 100 | *5 800 | *5 800 | *5 170 | *5 170 | *3 170 | *3 170 | | | | *2 610 | *2 610 | 7.7 | |
| Boom : 7.0 m Straight Arm : 3.05 m HD Shoe : 800 mm CWT : 6 900 kg | 10.5 m kg | | | | | | | | | | | | *8 640 | *8 640 | 5.3 |
| | 9.0 m kg | | | | | *9 400 | *9 400 | | | | | | *6 910 | *6 910 | 7.2 |
| | 7.5 m kg | | | | | *9 070 | *9 070 | *8 390 | 6 640 | | | | *6 180 | 5 250 | 8.4 |
| | 6.0 m kg | | | *9 370 | *9 370 | *9 990 | 9 370 | *8 540 | 6 490 | 7 390 | 4 660 | | *5 830 | 4 370 | 9.3 |
| | 4.5 m kg | | | | | *10 900 | 8 760 | *8 860 | 6 190 | 7 280 | 4 560 | | *5 700 | 3 880 | 9.8 |
| | 3.0 m kg | | | | | *11 590 | 8 070 | *9 150 | 5 830 | 7 090 | 4 380 | | *5 730 | 3 610 | 10.1 |
| | 1.5 m kg | | | | | *11 770 | 7 520 | 9 080 | 5 510 | 6 900 | 4 210 | | 5 780 | 3 500 | 10.1 |
| | 0 m kg | | | | | *11 250 | 7 190 | 8 830 | 5 280 | 6 760 | 4 070 | | *5 710 | 3 550 | 9.9 |
| | -1.5 m kg | | | *12 000 | 10 840 | *10 040 | 7 060 | *8 000 | 5 170 | *6 030 | 4 030 | | *5 100 | 3 780 | 9.5 |
| | -3.0 m kg | *8 280 | *8 280 | *9 390 | *9 390 | *8 120 | 7 090 | *6 380 | 5 190 | | | | *4 180 | *4 180 | 8.8 |
| -4.5 m kg | *4 100 | *4 100 | *5 800 | *5 800 | *5 170 | *5 170 | *3 170 | *3 170 | | | | *2 610 | *2 610 | 7.7 | |
| Boom : 7.0 m Straight Arm : 3.05 m HD Shoe : 900 mm CWT : 6 900 kg | 10.5 m kg | | | | | | | | | | | | *8 640 | *8 640 | 5.3 |
| | 9.0 m kg | | | | | *9 400 | *9 400 | | | | | | *6 910 | *6 910 | 7.2 |
| | 7.5 m kg | | | | | *9 070 | *9 070 | *8 390 | 6 700 | | | | *6 180 | 5 300 | 8.4 |
| | 6.0 m kg | | | *9 370 | *9 370 | *9 990 | 9 460 | *8 540 | 6 550 | *7 480 | 4 710 | | *5 830 | 4 420 | 9.3 |
| | 4.5 m kg | | | | | *10 900 | 8 840 | *8 860 | 6 250 | 7 370 | 4 610 | | *5 700 | 3 920 | 9.8 |
| | 3.0 m kg | | | | | *11 590 | 8 160 | *9 150 | 5 890 | 7 180 | 4 430 | | *5 730 | 3 650 | 10.1 |
| | 1.5 m kg | | | | | *11 770 | 7 600 | 9 190 | 5 570 | 6 980 | 4 260 | | 5 850 | 3 550 | 10.1 |
| | 0 m kg | | | | | *11 250 | 7 270 | *8 870 | 5 340 | 6 840 | 4 120 | | *5 710 | 3 600 | 9.9 |
| | -1.5 m kg | | | *12 000 | 10 960 | *10 040 | 7 140 | *8 000 | 5 230 | *6 030 | 4 080 | | *5 100 | 3 830 | 9.5 |
| | -3.0 m kg | *8 280 | *8 280 | *9 390 | *9 390 | *8 120 | 7 170 | *6 380 | 5 250 | | | | *4 180 | *4 180 | 8.8 |
| -4.5 m kg | *4 100 | *4 100 | *5 800 | *5 800 | *5 170 | *5 170 | *3 170 | *3 170 | | | | *2 610 | *2 610 | 7.7 | |

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.

Specifications

LIFTING CAPACITY EC380EL

Lifting capacity at the arm end without bucket / with bucket cylinder protection.

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 | 3.0 m | | 4.5 m | | 6.0 m | | 7.5 m | | 9.0 m | | 10.5 m | | Max. reach | | 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 : 7.0 m Straight Arm : 3.2 m HD Shoe : 600 mm CWT : 9 000 kg | 10.5 m kg | | | *14 010 | *14 010 | | | | | | | | | *10 870 | *10 870 | 5.7 |
| | 9.0 m kg | | | | | *12 510 | *12 510 | | | | | | | *9 100 | *9 100 | 7.4 |
| | 7.5 m kg | | | | | *12 650 | *12 650 | *11 170 | 10 050 | | | | | *8 330 | 7 860 | 8.6 |
| | 6.0 m kg | *12 750 | *12 750 | *14 160 | *14 160 | *13 440 | *13 440 | *11 440 | 9 840 | *10 110 | 7 250 | | | *7 980 | 6 720 | 9.4 |
| | 4.5 m kg | | | *19 410 | *19 410 | *14 600 | 13 270 | *11 950 | 9 470 | *10 220 | 7 110 | | | *7 890 | 6 070 | 9.9 |
| | 3.0 m kg | | | | | *15 650 | 12 470 | *12 430 | 9 050 | *10 340 | 6 900 | | | *8 000 | 5 720 | 10.1 |
| | 1.5 m kg | | | | | *16 050 | 11 820 | *12 600 | 8 680 | *10 260 | 6 690 | | | *8 340 | 5 610 | 10.1 |
| | 0 m kg | | | *11 480 | *11 480 | *15 520 | 11 440 | *12 260 | 8 420 | *9 770 | 6 540 | | | *8 090 | 5 720 | 9.9 |
| | -1.5 m kg | | | *17 200 | *17 200 | *14 060 | 11 300 | *11 190 | 8 300 | *8 540 | 6 500 | | | *7 400 | 6 100 | 9.5 |
| | -3.0 m kg | | | *13 700 | *13 700 | *11 580 | 11 360 | *9 110 | 8 330 | | | | | *6 300 | *6 300 | 8.7 |
| Boom : 7.0 m Straight Arm : 3.2 m HD Shoe : 700 mm CWT : 9 000 kg | 10.5 m kg | | | *14 010 | *14 010 | | | | | | | | | *10 870 | *10 870 | 5.7 |
| | 9.0 m kg | | | | | *12 510 | *12 510 | | | | | | | *9 100 | *9 100 | 7.4 |
| | 7.5 m kg | | | | | *12 650 | *12 650 | *11 170 | 10 130 | | | | | *8 330 | 7 930 | 8.6 |
| | 6.0 m kg | *12 750 | *12 750 | *14 160 | *14 160 | *13 440 | *13 440 | *11 440 | 9 920 | *10 110 | 7 320 | | | *7 980 | 6 780 | 9.4 |
| | 4.5 m kg | | | *19 410 | *19 410 | *14 600 | 13 380 | *11 950 | 9 550 | *10 220 | 7 180 | | | *7 890 | 6 120 | 9.9 |
| | 3.0 m kg | | | | | *15 650 | 12 580 | *12 430 | 9 130 | *10 340 | 6 960 | | | *8 000 | 5 780 | 10.1 |
| | 1.5 m kg | | | | | *16 050 | 11 930 | *12 600 | 8 760 | *10 260 | 6 760 | | | *8 340 | 5 670 | 10.1 |
| | 0 m kg | | | *11 480 | *11 480 | *15 520 | 11 550 | *12 260 | 8 500 | *9 770 | 6 610 | | | *8 090 | 5 780 | 9.9 |
| | -1.5 m kg | | | *17 200 | *17 200 | *14 060 | 11 410 | *11 190 | 8 380 | *8 540 | 6 560 | | | *7 400 | 6 160 | 9.5 |
| | -3.0 m kg | | | *13 700 | *13 700 | *11 580 | 11 460 | *9 110 | 8 410 | | | | | *6 300 | *6 300 | 8.7 |
| Boom : 7.0m Straight Arm : 3.2 m HD Shoe : 800mm CWT : 9 000kg | 10.5 m kg | | | *14 010 | *14 010 | | | | | | | | | *10 870 | *10 870 | 5.7 |
| | 9.0 m kg | | | | | *12 510 | *12 510 | | | | | | | *9 100 | *9 100 | 7.4 |
| | 7.5 m kg | | | | | *12 650 | *12 650 | *11 170 | 10 210 | | | | | *8 330 | 8 000 | 8.6 |
| | 6.0 m kg | *12 750 | *12 750 | *14 160 | *14 160 | *13 440 | *13 440 | *11 440 | 10 000 | *10 110 | 7 380 | | | *7 980 | 6 840 | 9.4 |
| | 4.5 m kg | | | *19 410 | *19 410 | *14 600 | 13 490 | *11 950 | 9 630 | *10 220 | 7 240 | | | *7 890 | 6 180 | 9.9 |
| | 3.0 m kg | | | | | *15 650 | 12 680 | *12 430 | 9 220 | *10 340 | 7 030 | | | *8 000 | 5 840 | 10.1 |
| | 1.5 m kg | | | | | *16 050 | 12 040 | *12 600 | 8 840 | *10 260 | 6 820 | | | *8 340 | 5 730 | 10.1 |
| | 0 m kg | | | *11 480 | *11 480 | *15 520 | 11 660 | *12 260 | 8 580 | *9 770 | 6 670 | | | *8 090 | 5 840 | 9.9 |
| | -1.5 m kg | | | *17 200 | *17 200 | *14 060 | 11 520 | *11 190 | 8 460 | *8 540 | 6 630 | | | *7 400 | 6 220 | 9.5 |
| | -3.0 m kg | | | *13 700 | *13 700 | *11 580 | 11 570 | *9 110 | 8 500 | | | | | *6 300 | *6 300 | 8.7 |
| Boom : 7.0 m Straight Arm : 3.2 m HD Shoe : 900 mm CWT : 9 000 kg | 10.5 m kg | | | *14 010 | *14 010 | | | | | | | | | *10 870 | *10 870 | 5.7 |
| | 9.0 m kg | | | | | *12 510 | *12 510 | | | | | | | *9 100 | *9 100 | 7.4 |
| | 7.5 m kg | | | | | *12 650 | *12 650 | *11 170 | 10 290 | | | | | *8 330 | 8 070 | 8.6 |
| | 6.0 m kg | *12 750 | *12 750 | *14 160 | *14 160 | *13 440 | *13 440 | *11 440 | 10 080 | *10 110 | 7 450 | | | *7 980 | 6 900 | 9.4 |
| | 4.5 m kg | | | *19 410 | *19 410 | *14 600 | 13 600 | *11 950 | 9 720 | *10 220 | 7 310 | | | *7 890 | 6 240 | 9.9 |
| | 3.0 m kg | | | | | *15 650 | 12 790 | *12 430 | 9 300 | *10 340 | 7 090 | | | *8 000 | 5 890 | 10.1 |
| | 1.5 m kg | | | | | *16 050 | 12 140 | *12 600 | 8 920 | *10 260 | 6 890 | | | *8 340 | 5 780 | 10.1 |
| | 0 m kg | | | *11 480 | *11 480 | *15 520 | 11 760 | *12 260 | 8 660 | *9 770 | 6 740 | | | *8 090 | 5 900 | 9.9 |
| | -1.5 m kg | | | *17 200 | *17 200 | *14 060 | 11 620 | *11 190 | 8 540 | *8 540 | 6 690 | | | *7 400 | 6 280 | 9.5 |
| | -3.0 m kg | | | *13 700 | *13 700 | *11 580 | 11 580 | *9 110 | 8 580 | | | | | *6 300 | *6 300 | 8.7 |
| Boom : 7.0 m Straight Arm : 3.9 m HD Shoe : 600 mm CWT : 10 000 kg | 10.5 m kg | | | | | *10 460 | *10 460 | | | | | | | *8 060 | *8 060 | 6.8 |
| | 9.0 m kg | | | | | *10 190 | *10 190 | *9 780 | *9 780 | | | | | *7 000 | *7 000 | 8.3 |
| | 7.5 m kg | | | | | *9 880 | *9 880 | *10 350 | *10 350 | *8 610 | 8 200 | | | *6 480 | *6 480 | 9.4 |
| | 6.0 m kg | | | *9 550 | *9 550 | *10 770 | *10 770 | *10 770 | *10 770 | *9 570 | 8 140 | | | *6 230 | *6 230 | 10.1 |
| | 4.5 m kg | | | *17 860 | *17 860 | *13 740 | *13 740 | *11 370 | 10 560 | *9 800 | 7 940 | *6 760 | 6 120 | *6 160 | 6 050 | 10.6 |
| | 3.0 m kg | | | | | *15 000 | 13 980 | *11 990 | 10 100 | *10 050 | 7 690 | *8 540 | 6 020 | *6 250 | 5 750 | 10.8 |
| | 1.5 m kg | | | | | *15 760 | 13 220 | *12 370 | 9 660 | *10 150 | 7 440 | *8 340 | 5 900 | *6 480 | 5 650 | 10.8 |
| | 0 m kg | | | *13 330 | *13 330 | *15 680 | 12 710 | *12 300 | 9 330 | *9 920 | 7 240 | *7 720 | 5 820 | *6 900 | 5 730 | 10.6 |
| | -1.5 m kg | *7 980 | *7 980 | *17 500 | *17 500 | *14 680 | 12 460 | *11 590 | 9 140 | *9 150 | 7 130 | | | *6 950 | 6 050 | 10.2 |
| | -3.0 m kg | *13 870 | *13 870 | *15 750 | *15 750 | *12 720 | 12 420 | *10 050 | 9 100 | *7 430 | 7 140 | | | *6 130 | *6 130 | 9.5 |
| -4.5 m kg | | | *11 480 | *11 480 | *9 540 | *9 540 | *7 190 | *7 190 | | | | | | | 8.5 | |
| Boom : 7.0 m Straight Arm : 3.9 m HD Shoe : 700 mm CWT : 10 000 kg | 10.5 m kg | | | | | *10 460 | *10 460 | | | | | | | *8 060 | *8 060 | 6.8 |
| | 9.0 m kg | | | | | *10 190 | *10 190 | *9 780 | *9 780 | | | | | *7 000 | *7 000 | 8.3 |
| | 7.5 m kg | | | | | *9 880 | *9 880 | *10 350 | *10 350 | *8 610 | 8 270 | | | *6 480 | *6 480 | 9.4 |
| | 6.0 m kg | | | *9 550 | *9 550 | *10 770 | *10 770 | *10 770 | *10 770 | *9 570 | 8 210 | | | *6 230 | *6 230 | 10.1 |
| | 4.5 m kg | | | *17 860 | *17 860 | *13 740 | *13 740 | *11 370 | 10 640 | *9 800 | 8 010 | *6 760 | 6 170 | *6 160 | 6 110 | 10.6 |
| | 3.0 m kg | | | | | *15 000 | 14 090 | *11 990 | 10 180 | *10 050 | 7 750 | *8 540 | 6 080 | *6 250 | 5 800 | 10.8 |
| | 1.5 m kg | | | | | *15 760 | 13 330 | *12 370 | 9 750 | *10 150 | 7 500 | *8 340 | 5 960 | *6 480 | 5 700 | 10.8 |
| | 0 m kg | | | *13 330 | *13 330 | *15 680 | 12 820 | *12 300 | 9 410 | *9 920 | 7 300 | *7 720 | 5 870 | *6 900 | 5 790 | 10.6 |
| | -1.5 m kg | *7 980 | *7 980 | *17 500 | *17 500 | *14 680 | 12 570 | *11 590 | 9 220 | *9 150 | 7 190 | | | *6 950 | 6 100 | 10.2 |
| | -3.0 m kg | *13 870 | *13 870 | *15 750 | *15 750 | *12 720 | 12 530 | *10 050 | 9 180 | *7 430 | 7 210 | | | *6 130 | *6 130 | 9.5 |
| -4.5 m kg | | | *11 480 | *11 480 | *9 540 | *9 540 | *7 190 | *7 190 | | | | | | | 8.5 | |
| Boom : 7.0 m Straight Arm : 3.9 m HD Shoe : 800 mm CWT : 10 000 kg | 10.5 m kg | | | | | *10 460 | *10 460 | | | | | | | *8 060 | *8 060 | 6.8 |
| | 9.0 m kg | | | | | *10 190 | *10 190 | *9 780 | *9 780 | | | | | *7 000 | *7 000 | 8.3 |
| | 7.5 m kg | | | | | *9 880 | *9 880 | *10 350 | *10 350 | *8 610 | 8 330 | | | *6 480 | *6 480 | 9.4 |
| | 6.0 m kg | | | *9 550 | *9 550 | *10 770 | *10 770 | *10 770 | *10 770 | *9 570 | 8 270 | | | *6 230 | *6 230 | 10.1 |
| | 4.5 m kg | | | *17 860 | *17 860 | *13 740 | *13 740 | *11 370 | 10 720 | *9 800 | 8 070 | *6 760 | 6 230 | *6 160 | *6 160 | 10.6 |
| | 3.0 m kg | | | | | *15 000 | 14 190 | *11 990 | 10 260 | *10 050 | 7 820 | *8 540 | 6 130 | *6 250 | 5 850 | 10.8 |
| | 1.5 m kg | | | | | *15 760 | 13 430 | *12 370 | 9 830 | *10 150 | 7 570 | *8 340 | 6 010 | *6 480 | 5 750 | 10.8 |
| | 0 m kg | | | *13 330 | *13 330 | *15 680 | 12 930 | *12 300 | 9 500 | *9 920 | 7 370 | *7 720 | 5 920 | *6 900 | 5 840 | 10.6 |
| | -1.5 m kg | *7 980 | *7 980 | *17 500 | *17 500 | *14 680 | 12 680 | *11 590 | 9 300 | *9 150 | 7 260 | | | *6 950 | 6 160 | 10.2 |
| | -3.0 m kg | *13 870 | *13 870 | *15 750 | *15 750 | *12 720 | 12 640 | *10 050 | 9 270 | *7 430 | 7 270 | | | *6 130 | *6 130 | 9.5 |
| -4.5 m kg | | | *11 480 | *11 480 | *9 540 | *9 540 | *7 190 | *7 190 | | | | | | | 8.5 | |
| Boom : 7.0 m Straight Arm : 3.9 m HD Shoe : 900 mm CWT : 10 000 kg | 10.5 m kg | | | | | *10 460 | *10 460 | | | | | | | *8 060 | *8 060 | 6.8 |
| | 9.0 m kg | | | | | *10 190 | *10 190 | *9 780 | *9 780 | | | | | *7 000 | *7 000 | 8.3 |
| | 7.5 m kg | | | | | *9 880 | *9 880 | *10 350 | *10 350 | *8 610 | 8 400 | | | *6 480 | *6 480 | 9.4 |
| | 6.0 m kg | | | *9 550 | *9 550 | *10 770 | *10 770 | *10 770 | *10 770 | *9 570 | 8 340 | | | *6 230 | *6 230 | 10.1 |
| | 4.5 m kg | | | *17 860 | *17 860 | *13 740 | *13 740 | *11 370 | 10 810 | *9 800 | 8 140 | *6 760 | 6 280 | *6 160 | *6 160 | 10.6 |
| | 3.0 m kg | | | | | *15 000 | 14 300 | *11 990 | 10 340 | *10 050 | 7 880 | *8 540 | 6 180 | *6 250 | 5 910 | 10.8 |
| | 1.5 m kg | | | | | *15 760 | 13 540 | *12 370 | 9 910 | *10 150 | 7 630 | *8 340 | 6 060 | *6 480 | 5 800 | 10.8 |
| | 0 m kg | | | *13 330 | *13 330 | *15 680 | 13 030 | *12 300 | 9 580 | *9 920 | 7 430 | *7 720 | 5 980 | *6 900 | 5 890 | 10.6 |
| | -1.5 m kg | *7 980 | *7 980 | *17 500 | *17 500 | *14 680 | 12 780 | *11 590 | 9 390 | *9 150 | 7 320 | | | *6 950 | 6 220 | 10.2 |
| | -3.0 m kg | *13 870 | | | | | | | | | | | | | | |

LIFTING CAPACITY EC380ENL

Lifting capacity at the arm end without bucket / with bucket cylinder protection.

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 | 3.0 m | | 4.5 m | | 6.0 m | | 7.5 m | | 9.0 m | | 10.5 m | | Max. reach | | 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 : 7.0 m Straight Arm : 3.2 m HD Shoe : 600 mm CWT : 9 000 kg | 10.5 m kg | | | | | | | | | | | | | | | *10 870 | *10 870 | 5.7 | |
| | 9.0 m kg | | | | | | | | | | | | | | | | *9 100 | *9 100 | 7.4 |
| | 7.5 m kg | | | | | | | | | | | | | | | | *8 330 | *7 910 | 8.6 |
| | 6.0 m kg | *12 750 | *12 750 | *14 160 | *14 160 | *13 440 | *13 440 | *11 440 | 9 890 | *10 110 | 7 300 | | | | | | *7 980 | 6 760 | 9.4 |
| | 4.5 m kg | | | *19 410 | *19 410 | *14 600 | 13 350 | *11 950 | 9 530 | *10 220 | 7 160 | | | | | | *7 890 | 6 110 | 9.9 |
| | 3.0 m kg | | | | | *15 650 | 12 540 | *12 430 | 9 110 | *10 340 | 6 950 | | | | | | *8 000 | 5 760 | 10.1 |
| | 1.5 m kg | | | | | *16 050 | 11 900 | *12 600 | 8 740 | *10 260 | 6 740 | | | | | | *8 340 | 5 650 | 10.1 |
| | 0 m kg | | | *11 480 | *11 480 | *15 520 | 11 520 | *12 260 | 8 470 | *9 770 | 6 590 | | | | | | *8 090 | 5 760 | 9.9 |
| | -1.5 m kg | | | *17 200 | *17 200 | *14 060 | 11 380 | *11 190 | 8 350 | *8 540 | 6 540 | | | | | | *7 400 | 6 140 | 9.5 |
| | -3.0 m kg | | | *13 700 | *13 700 | *11 580 | 11 430 | *9 110 | 8 390 | | | | | | | | *6 300 | *6 300 | 8.7 |
| Boom : 7.0 m Straight Arm : 3.2 m HD Shoe : 700 mm CWT : 9 000 kg | 10.5 m kg | | | | | | | | | | | | | | | *10 870 | *10 870 | 5.7 | |
| | 9.0 m kg | | | | | | | | | | | | | | | | *9 100 | *9 100 | 7.4 |
| | 7.5 m kg | | | | | | | | | | | | | | | | *8 330 | *7 980 | 8.6 |
| | 6.0 m kg | *12 750 | *12 750 | *14 160 | *14 160 | *13 440 | *13 440 | *11 440 | 9 890 | *10 110 | 7 360 | | | | | | *7 980 | 6 820 | 9.4 |
| | 4.5 m kg | | | *19 410 | *19 410 | *14 600 | 13 460 | *11 950 | 9 610 | *10 220 | 7 220 | | | | | | *7 890 | 6 170 | 9.9 |
| | 3.0 m kg | | | | | *15 650 | 12 650 | *12 430 | 9 190 | *10 340 | 7 010 | | | | | | *8 000 | 5 820 | 10.1 |
| | 1.5 m kg | | | | | *16 050 | 12 010 | *12 600 | 8 820 | *10 260 | 6 800 | | | | | | *8 340 | 5 710 | 10.1 |
| | 0 m kg | | | *11 480 | *11 480 | *15 520 | 11 630 | *12 260 | 8 550 | *9 770 | 6 650 | | | | | | *8 090 | 5 820 | 9.9 |
| | -1.5 m kg | | | *17 200 | *17 200 | *14 060 | 11 490 | *11 190 | 8 430 | *8 540 | 6 610 | | | | | | *7 400 | 6 200 | 9.5 |
| | -3.0 m kg | | | *13 700 | *13 700 | *11 580 | 11 540 | *9 110 | 8 470 | | | | | | | | *6 300 | *6 300 | 8.7 |
| Boom : 7.0 m Straight Arm : 3.2 m HD Shoe : 800 mm CWT : 9 000 kg | 10.5 m kg | | | | | | | | | | | | | | | *10 870 | *10 870 | 5.7 | |
| | 9.0 m kg | | | | | | | | | | | | | | | | *9 100 | *9 100 | 7.4 |
| | 7.5 m kg | | | | | | | | | | | | | | | | *8 330 | *8 050 | 8.6 |
| | 6.0 m kg | *12 750 | *12 750 | *14 160 | *14 160 | *13 440 | *13 440 | *11 440 | 10 060 | *10 110 | 7 430 | | | | | | *7 980 | 6 880 | 9.4 |
| | 4.5 m kg | | | *19 410 | *19 410 | *14 600 | 13 570 | *11 950 | 9 690 | *10 220 | 7 290 | | | | | | *7 890 | 6 220 | 9.9 |
| | 3.0 m kg | | | | | *15 650 | 12 760 | *12 430 | 9 270 | *10 340 | 7 070 | | | | | | *8 000 | 5 880 | 10.1 |
| | 1.5 m kg | | | | | *16 050 | 12 110 | *12 600 | 8 900 | *10 260 | 6 870 | | | | | | *8 340 | 5 770 | 10.1 |
| | 0 m kg | | | *11 480 | *11 480 | *15 520 | 11 730 | *12 260 | 8 640 | *9 770 | 6 720 | | | | | | *8 090 | 5 880 | 9.9 |
| | -1.5 m kg | | | *17 200 | *17 200 | *14 060 | 11 590 | *11 190 | 8 520 | *8 540 | 6 670 | | | | | | *7 400 | 6 260 | 9.5 |
| | -3.0 m kg | | | *13 700 | *13 700 | *11 580 | 11 580 | *9 110 | 8 550 | | | | | | | | *6 300 | *6 300 | 8.7 |
| Boom : 7.0 m Straight Arm : 3.2 m HD Shoe : 900 mm CWT : 9 000 kg | 10.5 m kg | | | | | | | | | | | | | | | *10 870 | *10 870 | 5.7 | |
| | 9.0 m kg | | | | | | | | | | | | | | | | *9 100 | *9 100 | 7.4 |
| | 7.5 m kg | | | | | | | | | | | | | | | | *8 330 | *8 120 | 8.6 |
| | 6.0 m kg | *12 750 | *12 750 | *14 160 | *14 160 | *13 440 | *13 440 | *11 440 | 10 140 | *10 110 | 7 490 | | | | | | *7 980 | 6 940 | 9.4 |
| | 4.5 m kg | | | *19 410 | *19 410 | *14 600 | 13 670 | *11 950 | 9 770 | *10 220 | 7 350 | | | | | | *7 890 | 6 280 | 9.9 |
| | 3.0 m kg | | | | | *15 650 | 12 870 | *12 430 | 9 350 | *10 340 | 7 140 | | | | | | *8 000 | 5 930 | 10.1 |
| | 1.5 m kg | | | | | *16 050 | 12 220 | *12 600 | 8 980 | *10 260 | 6 930 | | | | | | *8 340 | 5 820 | 10.1 |
| | 0 m kg | | | *11 480 | *11 480 | *15 520 | 11 840 | *12 260 | 8 720 | *9 770 | 6 780 | | | | | | *8 090 | 5 940 | 9.9 |
| | -1.5 m kg | | | *17 200 | *17 200 | *14 060 | 11 700 | *11 190 | 8 600 | *8 540 | 6 740 | | | | | | *7 400 | 6 320 | 9.5 |
| | -3.0 m kg | | | *13 700 | *13 700 | *11 580 | 11 580 | *9 110 | 8 630 | | | | | | | | *6 300 | *6 300 | 8.7 |
| Boom : 7.0 m Straight Arm : 3.9 m HD Shoe : 600 mm CWT : 10 000 kg | 10.5 m kg | | | | | | | | | | | | | | | *8 060 | *8 060 | 6.8 | |
| | 9.0 m kg | | | | | | | | | | | | | | | | *7 000 | *7 000 | 8.3 |
| | 7.5 m kg | | | | | | | | | | | | | | | | *6 480 | *6 480 | 9.4 |
| | 6.0 m kg | | | *9 550 | *9 550 | *10 770 | *10 770 | *10 770 | *10 770 | *9 570 | 8 190 | | | | | | *6 230 | *6 230 | 10.1 |
| | 4.5 m kg | | | *17 860 | *17 860 | *13 740 | *13 740 | *11 370 | 10 620 | *9 800 | 7 990 | *6 760 | 6 160 | | | | *6 160 | 6 090 | 10.6 |
| | 3.0 m kg | | | | | *15 000 | 14 050 | *11 990 | 10 160 | *10 050 | 7 730 | *8 540 | 6 060 | | | | *6 250 | 5 790 | 10.8 |
| | 1.5 m kg | | | | | *15 760 | 13 290 | *12 370 | 9 720 | *10 150 | 7 480 | *8 340 | 5 940 | | | | *6 480 | 5 680 | 10.8 |
| | 0 m kg | | | *13 330 | *13 330 | *15 680 | 12 790 | *12 300 | 9 390 | *9 920 | 7 280 | *7 720 | 5 850 | | | | *6 900 | 5 770 | 10.6 |
| | -1.5 m kg | *7 980 | *7 980 | *17 500 | *17 500 | *14 680 | 12 540 | *11 590 | 9 200 | *9 150 | 7 170 | | | | | | *6 950 | 6 090 | 10.2 |
| | -3.0 m kg | *13 870 | *13 870 | *15 750 | *15 750 | *12 720 | 12 500 | *10 050 | 9 160 | *7 430 | 7 190 | | | | | | *6 130 | *6 130 | 9.5 |
| -4.5 m kg | | | *11 480 | *11 480 | *9 540 | *9 540 | *7 190 | *7 190 | | | | | | | | | | 8.5 | |
| Boom : 7.0 m Straight Arm : 3.9 m HD Shoe : 700 mm CWT : 10 000 kg | 10.5 m kg | | | | | | | | | | | | | | | *8 060 | *8 060 | 6.8 | |
| | 9.0 m kg | | | | | | | | | | | | | | | | *7 000 | *7 000 | 8.3 |
| | 7.5 m kg | | | | | | | | | | | | | | | | *6 480 | *6 480 | 9.4 |
| | 6.0 m kg | | | *9 550 | *9 550 | *10 770 | *10 770 | *10 770 | *10 770 | *9 570 | 8 250 | | | | | | *6 230 | *6 230 | 10.1 |
| | 4.5 m kg | | | *17 860 | *17 860 | *13 740 | *13 740 | *11 370 | 10 700 | *9 800 | 8 050 | *6 760 | 6 210 | | | | *6 160 | 6 150 | 10.6 |
| | 3.0 m kg | | | | | *15 000 | 14 160 | *11 990 | 10 240 | *10 050 | 7 800 | *8 540 | 6 110 | | | | *6 250 | 5 840 | 10.8 |
| | 1.5 m kg | | | | | *15 760 | 13 400 | *12 370 | 9 800 | *10 150 | 7 550 | *8 340 | 5 990 | | | | *6 480 | 5 730 | 10.8 |
| | 0 m kg | | | *13 330 | *13 330 | *15 680 | 12 890 | *12 300 | 9 470 | *9 920 | 7 350 | *7 720 | 5 910 | | | | *6 900 | 5 830 | 10.6 |
| | -1.5 m kg | *7 980 | *7 980 | *17 500 | *17 500 | *14 680 | 12 640 | *11 590 | 9 280 | *9 150 | 7 240 | | | | | | *6 950 | 6 140 | 10.2 |
| | -3.0 m kg | *13 870 | *13 870 | *15 750 | *15 750 | *12 720 | 12 610 | *10 050 | 9 240 | *7 430 | 7 250 | | | | | | *6 130 | *6 130 | 9.5 |
| -4.5 m kg | | | *11 480 | *11 480 | *9 540 | *9 540 | *7 190 | *7 190 | | | | | | | | | | 8.5 | |
| Boom : 7.0 m Straight Arm : 3.9 m HD Shoe : 800 mm CWT : 10 000 kg | 10.5 m kg | | | | | | | | | | | | | | | *8 060 | *8 060 | 6.8 | |
| | 9.0 m kg | | | | | | | | | | | | | | | | *7 000 | *7 000 | 8.3 |
| | 7.5 m kg | | | | | | | | | | | | | | | | *6 480 | *6 480 | 9.4 |
| | 6.0 m kg | | | *9 550 | *9 550 | *10 770 | *10 770 | *10 770 | *10 770 | *9 570 | 8 320 | | | | | | *6 230 | *6 230 | 10.1 |
| | 4.5 m kg | | | *17 860 | *17 860 | *13 740 | *13 740 | *11 370 | 10 780 | *9 800 | 8 120 | *6 760 | 6 260 | | | | *6 160 | *6 160 | 10.6 |
| | 3.0 m kg | | | | | *15 000 | 14 270 | *11 990 | 10 320 | *10 050 | 7 860 | *8 540 | 6 170 | | | | *6 250 | 5 890 | 10.8 |
| | 1.5 m kg | | | | | *15 760 | 13 510 | *12 370 | 9 880 | *10 150 | 7 610 | *8 340 | 6 050 | | | | *6 480 | 5 790 | 10.8 |
| | 0 m kg | | | *13 330 | *13 330 | *15 680 | 13 000 | *12 300 | 9 550 | *9 920 | 7 410 | *7 720 | 5 960 | | | | *6 900 | 5 880 | 10.6 |
| | -1.5 m kg | *7 980 | *7 980 | *17 500 | *17 500 | *14 680 | 12 750 | *11 590 | 9 360 | *9 150 | 7 300 | | | | | | *6 950 | 6 200 | 10.2 |
| | -3.0 m kg | *13 870 | *13 870 | *15 750 | *15 750 | *12 720 | 12 710 | *10 050 | 9 320 | *7 430 | 7 320 | | | | | | *6 130 | *6 130 | 9.5 |
| -4.5 m kg | | | *11 480 | *11 480 | *9 540 | *9 540 | *7 190 | *7 190 | | | | | | | | | | 8.5 | |
| Boom : 7.0 m Straight Arm : 3.9 m HD Shoe : 900 mm CWT : 10 000 kg | 10.5 m kg | | | | | | | | | | | | | | | *8 060 | *8 060 | 6.8 | |
| | 9.0 m kg | | | | | | | | | | | | | | | | *7 000 | *7 000 | 8.3 |
| | 7.5 m kg | | | | | | | | | | | | | | | | *6 480 | *6 480 | 9.4 |
| | 6.0 m kg | | | *9 550 | *9 550 | *10 770 | *10 770 | *10 770 | *10 770 | *9 570 | 8 380 | | | | | | *6 230 | *6 230 | 10.1 |
| | 4.5 m kg | | | *17 860 | *17 860 | *13 740 | *13 740 | *11 370 | 10 860 | *9 800 | 8 180 | *6 760 | 6 320 | | | | *6 160 | *6 160 | 10.6 |
| | 3.0 m kg | | | | | *15 000 | 14 380 | *11 990 | 10 400 | *10 050 | 7 930 | *8 540 | 6 220 | | | | *6 250 | 5 940 | 10.8 |
| | 1.5 m kg | | | | | *15 760 | 13 620 | *12 370 | 9 960 | *10 150 | 7 680 | *8 340 | 6 100 | | | | *6 480 | 5 840 | 1 |

Equipment

| STANDARD EQUIPMENT | | | |
|---|--------|--------|--|
| | EC300E | EC380E | |
| Engine | | | |
| Turbocharged, 4 stroke diesel engine with water cooling, direct injection and charged air cooler that meets EU Stage V requirements | • | • | |
| Air filter with indicator | • | • | |
| Air intake heater | • | • | |
| Cyclone pre-cleaner | • | • | |
| Electric engine shut-off | • | • | |
| Fuel filter and water separator | • | • | |
| Fuel filler pump: 50 l/min, with automatic shut-off | • | • | |
| Alternator, 80 A | • | • | |
| Electric / Electronic control system | | | |
| Contronics | • | • | |
| Advanced mode control system | • | • | |
| Self-diagnostic system | • | • | |
| Machine status indication | • | • | |
| Engine speed sensing power control | • | • | |
| Automatic idling system | • | • | |
| One-touch power boost | • | • | |
| Safety stop/start function | • | • | |
| Adjustable LCD color monitor | • | • | |
| Master electrical disconnect switch | • | • | |
| Engine restart prevention circuit | • | • | |
| LED lights: | • | • | |
| Frame-mounted 2 | • | • | |
| Boom-mounted 2 | • | – | |
| Boom-mounted 4 | – | • | |
| Cab-mounted 2 | • | • | |
| On counterweight | • | • | |
| Batteries, 2 x 12 V / 170 Ah | • | – | |
| Batteries, 2 x 12 V / 200 Ah | – | • | |
| Start motor, 24 V / 5.5 kW | • | – | |
| Start motor, 24 V / 7 kW | – | • | |
| Frame | | | |
| Access way with handrail | • | • | |
| Tool storage area | • | • | |
| Punched metal anti-slip plates | • | • | |
| Undercarriage | | | |
| Undercover (heavy-duty) | • | • | |
| Hydraulic track adjusters | • | • | |
| Greased and sealed track link | • | • | |
| Track Guard | • | • | |

| STANDARD EQUIPMENT | | | |
|---|--------|--------|--|
| | EC300E | EC380E | |
| Hydraulic system | | | |
| Hose rupture valve: boom | • | • | |
| Overload warning device | • | • | |
| Automatic sensing hydraulic system | • | • | |
| 2-pump flow bucket circuit | – | • | |
| Summation system | • | • | |
| Boom priority | • | • | |
| Arm priority | • | • | |
| Swing priority | • | • | |
| ECO mode fuel saving technology | • | – | |
| Boom, arm and bucket regeneration valves | • | • | |
| Swing anti-rebound valves | • | • | |
| Boom and arm holding valves | • | • | |
| Multi-stage filtering system | • | • | |
| Cylinder cushioning | • | • | |
| Cylinder contamination seals | • | • | |
| Auxiliary hydraulic valve | • | • | |
| Automatic two-speed travel motors | • | • | |
| Hydraulic oil, ISO VG 46 | • | • | |
| Cab and interior | | | |
| High visibility cabin | • | • | |
| ROPS (ISO12117-2) certified cab | • | • | |
| Falling object guard (FOG) | • | • | |
| Silicon oil and rubber mounts with spring | • | • | |
| Travel pedals and hand levers | • | • | |
| Adjustable operator seat and joystick control console | • | • | |
| Control joysticks with 3 switches + 1 proportional | • | • | |
| Heater & air-conditioner, automatic | • | • | |
| Flexible antenna | • | • | |
| AM/FM stereo with MP3, USB and bluetooth input | • | • | |
| Hydraulic safety lock lever | • | • | |
| Cab, all-weather sound suppressed, includes: | • | • | |
| Cup holders | • | • | |
| Door locks | • | • | |
| Tinted glass | • | • | |
| Floor mat | • | • | |
| Horn | • | • | |
| Large storage area | • | • | |
| Pull-up type front window | • | • | |
| Removable lower windshield | • | • | |
| Seat belt | • | • | |
| Safety glass | • | • | |
| Sun screens, front, roof, rear | • | • | |
| Rain shield | • | • | |
| Washer and wiper on windshield and roof window | • | • | |
| Rear view camera | • | • | |
| Master key | • | • | |
| Track shoes | | | |
| 600 mm with triple grousers | • | • | |
| Digging equipment | | | |
| 7.0 m straight boom | • | • | |
| Arm: 3.2 m Heavy-Duty | – | • | |
| Arm: 3.05 m Heavy-Duty | • | – | |
| Manual centralized lubrication | • | • | |

| OPTIONAL EQUIPMENT | | |
|---|--------|--------|
| | EC300E | EC380E |
| Engine | | |
| Block heater: 120 V, 240 V | • | • |
| Oil bath pre-cleaner | • | • |
| Diesel coolant heater, 10 kW | • | • |
| Water separator with heater | • | • |
| Auto engine shutdown | • | • |
| Electric | | |
| Travel alarm | • | • |
| Anti-theft system | • | • |
| Rotating warning beacon | • | • |
| Undercarriage | | |
| Full track guard | • | • |
| Hydraulic system | | |
| Hose rupture valve: arm | • | • |
| Boom float function with HRV | • | • |
| Boom float function without HRV | • | • |
| Hydraulic piping: | • | • |
| Work tool management system (up to 20 programmable memories) | – | • |
| Attachment management system (up to 32 programmable memories) | • | – |
| Hammer & shear | | |
| 1 and 2 pump flow | • | • |
| Variable flow and pressure pre-setting | • | • |
| Additional return filter | • | • |
| Slope & rotator | | |
| Grapple | • | • |
| Oil leak (drain) line | • | • |
| Quick coupler piping | • | • |
| Volvo hydraulic quick coupler S2 | • | – |
| Volvo hydraulic quick coupler S3 | – | • |
| Volvo hydraulic quick coupler VQC-HU | – | • |
| Volvo hydraulic quick coupler DR38 | – | • |
| Volvo hydraulic quick coupler U29 | • | – |
| Hydraulic oil, ISO VG 32 | – | • |
| Hydraulic oil, ISO VG 46 | – | • |
| Hydraulic oil, ISO VG 68 | – | • |
| Hydraulic oil, biodegradable 46 | • | • |
| Hydraulic oil, longlife oil 32 | • | • |
| Hydraulic oil, longlife oil 46 | • | • |
| Hydraulic oil, longlife oil 68 | • | • |
| Counterweight | | |
| 9 000 kg (3.2 m arm), 10 000 kg (3.9 m arm) | – | • |
| 6 900 kg | • | – |

| OPTIONAL EQUIPMENT | | |
|---|--------|--------|
| | EC300E | EC380E |
| Cab and interior | | |
| Fabric seat with heater | • | • |
| Fabric seat with heater and air suspension | • | • |
| Deluxe seat | • | • |
| Pilot control pattern change | • | • |
| Falling object guard, FOG (fixed type or hinge type) | • | • |
| Frame-mounted | • | • |
| Side view camera | • | • |
| Smoker kit (ashtray and lighter) | • | • |
| Specific key | • | • |
| Track shoes | | |
| Track shoes 600/700/800/900 mm with triple grousers | • | • |
| Track shoes 600 mm HD with triple grousers and HD links | – | • |
| Track shoes 600 mm HD with triple grousers | • | – |
| Track shoes 600 mm with double grousers | • | • |
| Track shoes 700 mm with double grousers | • | – |
| Digging equipment | | |
| Arm: 3.9 m Heavy-Duty | – | • |
| Linkage with lifting eye | • | • |
| Service | | |
| Tool kit, daily maintenance | • | • |
| Tool kit, full scale | • | • |
| Automatic lubrication system | – | • |
| Air compressor | • | • |

V O L V O