

VOLVO EXCAVATORS

EC380D, EC480D

37.8-53.1 t 292-360 hp



A PASSION FOR PERFORMANCE.

At Volvo Construction Equipment, we're not just coming along for the ride. Developing products and services that raise productivity – we are confident we can lower costs and increase profits for industry experts. Part of the Volvo Group, we are passionate about innovative solutions to help you work smarter – not harder.

Helping you to do more

Doing more with less is a trademark of Volvo Construction Equipment. High productivity has long been married to low energy consumption, ease of use and durability. When it comes to lowering life-cycle costs, Volvo is in a class of its own.

Designed to fit your needs

There is a lot riding on creating solutions that are suited to the particular needs of different industry applications. Innovation often involves high technology – but it doesn't always have to. Some of our best ideas have been simple, based on a clear and deep understanding of our customers' working lives.



You learn a lot in 180 years

Over the years, Volvo has advanced solutions that have revolutionized the use of construction equipment. No other name speaks Safety louder than Volvo. Protecting operators, those around them and minimizing our environmental impact are traditional values that continue to shape our product design philosophy.

We're on your side

We back the Volvo brand with the best people. Volvo is truly a global enterprise, one that is on standby to support customers quickly and efficiently – wherever they are.

We have a passion for performance.



Volvo Trucks



Renault Trucks



Mack Trucks



UD Trucks

Volvo Buses

Volvo Construction Equipment

Volvo Penta

Volvo Aero

Volvo Financial Services

POWERING YOUR PRODUCTIVITY.



Digging power

Achieve greater digging force and reduced cycle times, particularly when working with hard materials, from increased engine power, pump flow, hydraulic pressure and swing torque.

Get productive with Volvo's EC380D and EC480D. Featuring increased engine power and improved hydraulics, these machines perform with greater digging force and shorter cycle times. Sustain optimum power and productivity day in and day out with Volvo.

Improved hydraulics

Quicker cycle times of *8-10% from improvements in the enhanced hydraulic system which provides more flow to the bucket by using both pumps in conflux, as well as increased total pump flow and smooth combined operation. By simply using gravity, the optional boom float ensures there is more power available to the arm circuit for faster loading cycles and more control for leveling and hammer operation.



Variable width

On the EC480D, mechanical variable width increases the distance between the tracks adding 150mm in width for more stability. An extra 196mm in height protects the underside of the machine from harsh ground conditions. Retracted position allows for easy transportation.



Tractive force

Improved tractive force makes it easy for the machines to climb gradients and travel over rough terrain.

*compared to B-series model

CAPITALIZE ON EFFICIENCY.

Fuel efficiency is at the centre of Volvo's machines. The EC380D and EC480D feature Volvo's new D13 engine, improved hydraulics and our unique ECO mode for superior fuel efficiency. Reduce your fuel consumption, save money and reach new levels of efficiency with Volvo.

ECO mode

Volvo's unique ECO mode features sophisticated electronic pump control technology which improves fuel efficiency by an additional 5%. ECO mode can be used in the G, H and P work modes.

Auto idling system

Reduces rpm to idle when the controls are inactive for a specified time - between 3-20 seconds - which is set via the I-ECU monitor. The system delivers reduced fuel consumption and operating costs.



Engine shut down

The optional auto engine shut down function automatically turns the engine off to reduce fuel consumption when the machine is inactive for five minutes. Operators are informed via the I-ECU monitor before shut down occurs.



Work modes

Volvo's unique system incorporates the work modes within the throttle control for optimum performance. When the operator selects a work mode - I (Idle), F (Fine), G (General), H (Heavy) and P (Power) - the rpm is already set for maximum efficiency.



Fuel efficiency

Volvo's efficient diesel engine, enhanced hydraulic system and well matched components improve fuel efficiency by 8-11%. This ensures more material is moved per litre of fuel for reduced operating costs.

SEE IT ALL WITH VOLVO.



Volvo cab

Volvo's industry-leading cab boasts enhanced visibility from large expanses of glass and slim cab pillars. The spacious environment provides ample storage and leg room. The seat can be adjusted into nine positions for superb operator comfort.

See more and do more from Volvo's spacious cab which provides operators with a superior working environment for reduced fatigue. Featuring built in comfort, all-round visibility and easy to access controls for increased productivity. Step inside and see the results for yourself.

ROPS

An optional Roll Over Protective Structure (ROPS) certified cab is recommended for increased safety in the unlikely event of machine roll over.

Roof hatch

A roof hatch is available as an option for increased air flow and extra visibility when the machine is operating at height.

I-ECU monitor

Large color monitor provides excellent clarity in all light conditions. Using a keypad you can make quick visual and diagnostic checks, increasing uptime and productivity.



Rear view camera

Increase visibility and safety with an optional rear view camera which allows the operator to see the blindspot via the I-ECU monitor.

Climate control

Control your climate with Volvo's powerful, industry-leading automatic climate control and defrosting system. With 14 vents, operators can set their ideal temperature for increased comfort.

IT WON'T LET YOU DOWN.

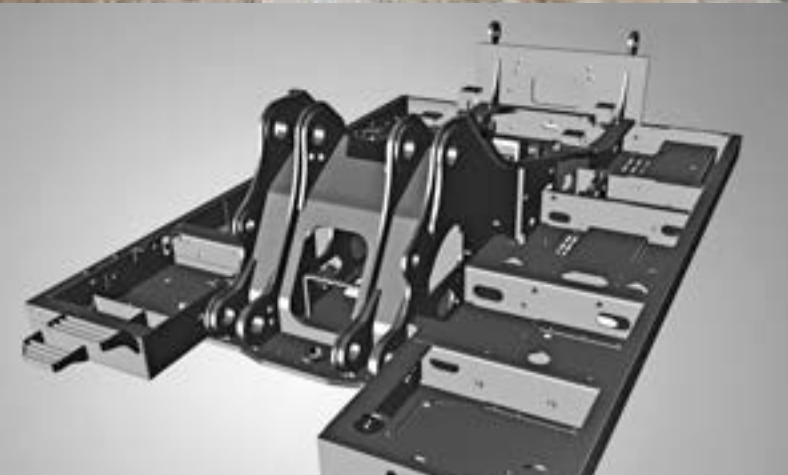
If you're looking for strong and durable performance then look no further. These machines excel in demanding terrain. Featuring reinforced welding and heavy-duty protection, no job is too tough for Volvo's reliable machines – rest assured that the work will get done.

Boom and arm

Reinforced heavy-duty boom and arm built from high strength tensile steel increases reliability in severe applications. Protective strips are welded under the arm. Various boom and arm configurations available.

Protective cover

For increased durability, heavy-duty undercover plates provide additional protection to the underside of the upper and lower frame in tough job site applications, preventing damage from rock and debris.



Main frame

The strong and durable structure can easily absorb impacts transferred from the digging equipment. Featuring reinforced welding between the centre and side frames, and the boom and boom cylinder mounts, for increased durability.

Track guard

Optional heavy-duty bolt-on full track roller guards can be fitted for traveling and when working with rock to prevent derailment and protect the bottom rollers and track chain.



Undercarriage

Strong undercarriage featuring a durable fabricated idler, a large diameter roller and a thicker tooth sprocket and track link for increased machine lifetime. The lower frame features additional welding and thicker plating for added protection in demanding terrain.

INTELLIGENT SERVICEABILITY.



Serviceability

Grouped filters and greasing points are quick to access from ground level via large, wide compartment doors. Easy access for maintenance means regular checks get done faster, giving you more uptime.

Volvo machines feature built in serviceability for maximum machine uptime. Benefit from safe and convenient maintenance access and reduced service time. Enjoy maintenance made easy with Volvo.

Oil cooler

Volvo's unique, hydraulic fan-driven oil cooler is separate from the engine and radiator for easier cleaning and servicing – giving you more machine uptime. Independent coolers provide excellent cooling.



Oil return filter

The hydraulic oil return filter boasts excellent filter function and only needs replacing every 2,000 hours – increasing service intervals, reducing operating costs and giving you more machine uptime.



Drains

Access the simple quick drains on the underside of the superstructure without the need for tools. The lubricant won't spill out so you are able to quickly drain it away in an environmentally friendly manner.



Oil bath pre-cleaner

This optional pre-cleaner prevents dirt from entering and damaging the engine for reduced maintenance costs and improved reliability. It is recommended for machines working in dusty environments.

WHO SAYS YOU CAN'T HAVE IT ALL?

Improved hydraulics

Get *8-10% faster cycle times thanks to improvements in the enhanced hydraulic system.



Fuel efficiency

Volvo's D13 engine, enhanced hydraulic system and well matched components improve fuel efficiency by *8-11%.



Serviceability

Premium serviceability from large, wide opening doors and grouped, ground level filters and greasing points.

Boom and arm

Reinforced heavy-duty boom and arm built from high strength tensile steel for extra reliability in severe applications.



Digging power

Perform at a higher level with increased digging power and faster cycle times for greater productivity.



*compared to B-series model



Volvo cab

Enjoy all-round visibility and comfort in Volvo's industry-leading cab which features an adjustable seat and ample space.

Climate control

Industry-leading automatic climate control and defrosting system with 14 well-spaced vents for increased comfort.

ECO mode

Volvo's unique ECO mode improves fuel efficiency by an additional 5%.

Oil bath pre-cleaner

Protect your engine and reduce maintenance costs in severely dusty environments with an oil bath pre-cleaner.

Variable width

Mechanical variable width increases the distance between the tracks for extra stability and protection. Retracted position used for transportation.

Oil cooler

Unique oil cooler is separated from the engine and radiator for superior cooling capacity, easier cleaning and servicing.

I-ECU monitor

Large color monitor provides excellent clarity in all light conditions and allows for quick visual and diagnostic checks.



Robust undercarriage

For improved durability and reliability in demanding terrain.

VOLVO EC380D, EC480D IN DETAIL.

Engine

The Volvo diesel engine delivers 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.

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.

EC380D

| | | |
|-----------------------------|-------------|-------------|
| Engine | Volvo | D13F |
| Max power at | r/s / r/min | 28 / 1 700 |
| Net (ISO 9249/SAEJ1349) | kW / hp | 208 / 283 |
| Gross (ISO 14396/SAE J1995) | kW / hp | 215 / 292 |
| Max torque at | Nm / r/min | 1580 / 1300 |
| No. of cylinders | | 6 |
| Displacement | l | 12.8 |
| Bore | mm | 131 |
| Stroke | mm | 158 |

EC480D

| | | |
|-----------------------------|-------------|-------------|
| Engine | Volvo | D13F |
| Max power at | r/s / r/min | 30 / 1800 |
| Net (ISO 9249/SAEJ1349) | kW / hp | 256 / 348 |
| Gross (ISO 14396/SAE J1995) | kW / hp | 265 / 360 |
| Max torque at | Nm / r/min | 1800 / 1400 |
| No. of cylinders | | 6 |
| Displacement | l | 12.8 |
| Bore | mm | 131 |
| Stroke | mm | 158 |

| | EC380D | EC480D |
|--|--------|--------|
|--|--------|--------|

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

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 | 10.3 | 8.8 |
| Max. slew torque | kNm | 130.5 | 166.3 |

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. drawbar pull | kN | 276 | 330 |
| Max. travel speed | km/h | 3.4 / 5.3 | 3.1 / 5.1 |
| Gradeability | ° | 35 | 35 |

Undercarriage

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

| | | | |
|---------------------------------|----|---------------------|---------------------|
| Track shoes | | 2 x 50 | 2 x 52 |
| Link pitch | mm | 215.9 | 215.9 |
| Shoe width, triple grouser | mm | 600/700/ 800/900 | 600/700/ 800/900 |
| Shoe width, triple grouser (HD) | mm | 600 | - |
| Shoe width, double grouser | mm | 600 | 600 |
| Bottom rollers | | 2 x 9 | 2 x 9 |
| Top rollers | | 2 x 2 | 2 x 2 |

| | EC380D | EC480D |
|--|--------|--------|
|--|--------|--------|

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 and arm regeneration provides 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.

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 | 2 x 358 |
|--------------|-------|---------|---------|

Pilot pump. Type Gear pump

| | | | |
|--------------|-------|--------|--------|
| Maximum flow | l/min | 1 x 31 | 1 x 32 |
|--------------|-------|--------|--------|

Hydraulic motors

Travel: Variable displacement axial piston motor with mechanical brake

Slew: Fixed displacement axial piston motor with mechanical brake

Relief valve setting

| Implement | MPa | 32.4 / 35.3 | 32.4 / 35.3 |
|----------------|-----|-------------|-------------|
| Travel circuit | MPa | 35.3 | 32.4 |
| Slew circuit | MPa | 27.9 | 25.8 |
| Pilot circuit | MPa | 3.9 | 3.9 |

| | EC380D | EC480D |
|--|--------|--------|
|--|--------|--------|

Hydraulic cylinders

| | | | |
|---------------|--------|-------------|-------------|
| Mono boom | | 2 | 2 |
| Bore x Stroke | ø x mm | 160 x 1 530 | 165 X 1 590 |
| Arm | | 1 | 1 |
| Bore x Stroke | ø x mm | 175 x 1 750 | 190 x 1 850 |
| Bucket | | 1 | 1 |
| Bore x Stroke | ø x mm | 145 x 1 285 | 165 x 1 330 |
| ME bucket | | 1 | 1 |
| Bore x Stroke | ø x mm | 160 x 1 250 | 175 x 1 335 |
| LR Bucket | | 1 | 1 |
| Bore x Stroke | ø x mm | 140 x 1 140 | 140 x 1 140 |

Service refill capacities

| | | | |
|-------------------------|---|---------|-------|
| Fuel tank | l | 620 | 685 |
| Hydraulic system, total | l | 485 | 520 |
| Hydraulic tank | l | 227 | 270 |
| Engine oil | l | 42 | 42 |
| Engine coolant | l | 60 | 60 |
| Swing reduction unit | l | 6.5 | 2 x 6 |
| Travel reduction unit | l | 2 x 6.8 | 2 x 6 |

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.

Sound Level

Sound level in cab according to ISO 6396

| | | | |
|-----|-------|----|----|
| LpA | dB(A) | 73 | 73 |
|-----|-------|----|----|

External sound level according to ISO 6395 and EU Noise Directive (2000/14/EC) and 474-1:2006 +A1:2009

| | | | |
|-----|-------|-----|-----|
| LwA | dB(A) | 106 | 107 |
|-----|-------|-----|-----|

ATTACHMENTS.



Attachment management system

Permits storage of up to 18 + 2 different attachment presets. Enables hydraulic flow (standard) and pressure (optional) adjustments according to requirements. Operator can choose hydraulic settings that are 1-way, 2-way, push button, toggle or proportional (optional). Allows operators to quickly change attachments without the need for manual setup thus saving downtime and increasing productivity. The system can be password protected to prevent possible misuse.

Hydraulic Dedicated Quick Coupler

The hydraulic dedicated quick coupler delivers high breakout force for superior performance. Featuring a tight fit between the coupler and attachment, a light-weight design and compatibility with tiltrotators for ultimate productivity.

Hydraulic Universal Quick Coupler

Easily switch between different buckets without leaving the cab when using a hydraulic universal quick coupler. Buckets can be used in both the face shovel and backhoe position for ultimate versatility.



(GP) General purpose bucket

Designed for digging and re-handling soft to medium materials e.g. soils with low wear characteristics. The GP bucket has anti-abrasive side cutters, a hardened lip plate and self-sharpening bucket teeth.

(HD) Heavy-duty bucket

Intended for digging in dense materials such as hard packed clay and gravel. The HD bucket has heavier overall fabrication with a thicker side cutting edge and hardened plating on all critical ground-engaging areas.

(RK) Rock bucket

Together with harder and thicker plating on all critical leading edges the rock bucket provides digging performance in soils with a high degree of rock content and well blasted rock.

(FD) Fixed ditching bucket

A wide face, round profile and drain holes make the FD bucket ideal for ditch cleaning or removal of other soft material. An inner stiffener and optional bolt-on cutting edge bolster performance.

VOLVO TOOTH SYSTEM



Locking device



GPE



AMRE / ARXE



SNE



Wear Cap & BLW Adapter

Self-Sharpening Tooth System Cuts Through the Toughest Jobs

Volvo perfects the excavator bucket's point of attack with a robust tooth system that delivers performance and long life. Cast and tempered from a high-strength alloy, Volvo teeth resist stress and deliver optimum penetration in hard or abrasive material. An innovative design lessens internal wear between tooth and adapter — and makes it easy to change teeth.

Locking device

Patented vertical locking device. The steel pin with flexible lock retainer tightly secures the tooth to the adapter. Smart design transfers working stresses away from the locking device, saving wear on the steel pin and extending pin life. Self-sharpening Volvo teeth are designed for a small penetration area, which reduces stress and wear at the point of contact.

GPE

Self-sharpening general-purpose tooth with good penetration and long service life.

AMRE / ARXE

Tooth with extra-wear metal and longer service life intended for rock and abrasive material. Self sharpening.

SNE

Spade nose tooth is designed for finishing work such as leveling, grading, cleaning & backfilling.

Wear Cap & BLW Adapter

The wear cap protects the adapter from unnecessary wear.

BLW: Bottom leg adapter for wear cap with extra long top leg for welding to both sides of the cutting edge. Long bottom leg.

BL: 1 1/2 bottom leg adapter for welding to both sides of the cutting edge.

MAXIMUM PERMITTED BUCKETS

| Direct fit Buckets | | EC380DL with 7 000kg counterweight | | | | EC480DL* with 9 050kg CWT | | | | | | EC480DL** with 9 750kg CWT | | | | | | | |
|--------------------|----------------------|------------------------------------|-------|-------|-------|---------------------------|-------|-------|-------|-------|-------|----------------------------|-------|-------|-------|-------|-------|-------|-------|
| Boom | m | 6.45 | | | 6.2 | 7.0 | | | | | 6.5 | | 7.0 | | | | 6.5 | | |
| Arm | m | 2.6 | 3.2 | 3.9 | 2.6 | 2.55 | 3.0 | 3.35 | 3.9 | 4.8 | 2.55 | 3.0 | 2.55 | 3.0 | 3.35 | 3.9 | 4.8 | 2.55 | 3.0 |
| Max. Bucket | t/m ³ | liter | liter | liter | liter | liter | liter | liter | liter | liter | liter | liter | liter | liter | liter | liter | liter | liter | liter |
| GP Bucket | 1.5 t/m ³ | 2 775 | 2 550 | 2 300 | 2 775 | 3 425 | 3 275 | 3 125 | 2 850 | 2 525 | 3 725 | 3 575 | 3 625 | 3 450 | 3 300 | 3 025 | 2 675 | 3 950 | 3 775 |
| GP Bucket | 1.8 t/m ³ | 2 450 | 2 250 | 2 050 | 2 450 | 3 000 | 2 875 | 2 725 | 2 500 | 2 225 | 3 275 | 3 125 | 3 175 | 3 025 | 2 875 | 2 650 | 2 350 | 3 450 | 3 300 |
| HD Bucket | 1.8 t/m ³ | 2 325 | 2 125 | 1 925 | 2 325 | 2 775 | 2 650 | 2 525 | 2 300 | 2 050 | 3 000 | 2 900 | 2 925 | 2 800 | 2 650 | 2 425 | 2 150 | 3 175 | 3 050 |
| HD Bucket | 2.0 t/m ³ | 2 175 | 2 000 | 1 800 | 2 175 | 2 575 | 2 450 | 2 325 | 2 150 | 1 900 | 2 800 | 2 675 | 2 700 | 2 600 | 2 475 | 2 250 | 2 000 | 2 950 | 2 825 |

| S quick fit Buckets | | EC380DL with 7 000kg counterweight | | | | EC480DL* with 9 050kg CWT | | | | | | EC480DL** with 9 750kg CWT | | | | | | | |
|---------------------|----------------------|------------------------------------|-------|-------|-------|---------------------------|-------|-------|-------|-------|-------|----------------------------|-------|-------|-------|-------|-------|-------|-------|
| Boom | m | 6.45 | | | 6.2 | 7.0 | | | | | 6.5 | | 7.0 | | | | 6.5 | | |
| Arm | m | 2.6 | 3.2 | 3.9 | 2.6 | 2.55 | 3.0 | 3.35 | 3.9 | 4.8 | 2.55 | 3.0 | 2.55 | 3.0 | 3.35 | 3.9 | 4.8 | 2.55 | 3.0 |
| Max. Bucket | t/m ³ | liter | liter | liter | liter | liter | liter | liter | liter | liter | liter | liter | liter | liter | liter | liter | liter | liter | liter |
| GP Bucket | 1.5 t/m ³ | 2 600 | 2 350 | 2 125 | 2 600 | 3 300 | 3 150 | 2 975 | 2 725 | 2 400 | 3 600 | 3 450 | 3 475 | 3 325 | 3 150 | 2 875 | 2 550 | 3 800 | 3 650 |
| GP Bucket | 1.8 t/m ³ | 2 300 | 2 100 | 1 875 | 2 300 | 2 875 | 2 750 | 2 600 | 2 375 | 2 100 | 3 150 | 3 025 | 3 050 | 2 900 | 2 750 | 2 525 | 2 225 | 3 325 | 3 175 |
| HD Bucket | 1.8 t/m ³ | 2 175 | 1 975 | 1 775 | 2 175 | 2 650 | 2 525 | 2 400 | 2 200 | 1 925 | 2 900 | 2 775 | 2 800 | 2 675 | 2 550 | 2 325 | 2 050 | 3 075 | 2 950 |
| HD Bucket | 2.0 t/m ³ | 2 025 | 1 850 | 1 675 | 2 025 | 2 475 | 2 350 | 2 225 | 2 050 | 1 800 | 2 700 | 2 575 | 2 600 | 2 475 | 2 375 | 2 150 | 1 900 | 2 850 | 2 725 |

| U quick fit Buckets | | EC380DL with 7 000kg counterweight | | | | EC480DL* with 9 050kg CWT | | | | | | EC480DL** with 9 750kg CWT | | | | | | | |
|---------------------|----------------------|------------------------------------|-------|-------|-------|---------------------------|-------|-------|-------|-------|-------|----------------------------|-------|-------|-------|-------|-------|-------|-------|
| Boom | m | 6.45 | | | 6.2 | 7.0 | | | | | 6.5 | | 7.0 | | | | 6.5 | | |
| Arm | m | 2.6 | 3.2 | 3.9 | 2.6 | 2.55 | 3.0 | 3.35 | 3.9 | 4.8 | 2.55 | 3.0 | 2.55 | 3.0 | 3.35 | 3.9 | 4.8 | 2.55 | 3.0 |
| Max. Bucket | t/m ³ | liter | liter | liter | liter | liter | liter | liter | liter | liter | liter | liter | liter | liter | liter | liter | liter | liter | liter |
| GP Bucket | 1.5 t/m ³ | 2 425 | 2 200 | 1 950 | 2 425 | 3 125 | 2 975 | 2 800 | 2 550 | 2 225 | 3 425 | 3 275 | 3 300 | 3 150 | 2 975 | 2 700 | 2 350 | 3 625 | 3 475 |
| GP Bucket | 1.8 t/m ³ | 2 150 | 1 950 | 1 725 | 2 150 | 2 725 | 2 600 | 2 450 | 2 225 | 1 950 | 3 000 | 2 850 | 2 900 | 2 750 | 2 600 | 2 375 | 2 075 | 3 175 | 3 025 |
| HD Bucket | 1.8 t/m ³ | 2 025 | 1 825 | 1 650 | 2 025 | 2 525 | 2 400 | 2 275 | 2 050 | 1 800 | 2 750 | 2 650 | 2 675 | 2 525 | 2 400 | 2 175 | 1 900 | 2 925 | 2 800 |
| HD Bucket | 2.0 t/m ³ | 1 900 | 1 700 | 1 525 | 1 900 | 2 325 | 2 225 | 2 100 | 1 900 | 1 675 | 2 550 | 2 450 | 2 475 | 2 350 | 2 225 | 2 025 | 1 775 | 2 725 | 2 600 |

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.
 3. Bucket widths are less than bucket's tip radius.

* FIXED UNDERCARRIAGE
 ** RETRACTABLE UNDERCARRIAGE

SPECIFICATIONS.

MACHINE WEIGHTS AND GROUND PRESSURE

| | | EC380DL | | | | EC380DL | | | | EC380DLR | | | |
|-----------------------|----|--------------|------------------|-----------------|---------------|--------------|------------------|-----------------|---------------|--------------|------------------|-----------------|---------------|
| Boom | m | 6.45 | | | | 6.45 | | | | 8.5 | | | |
| Arm | m | 2.6 | | | | 2.6 | | | | 5.0 | | | |
| Bucket | kg | 1 752 | | | | 1 752 | | | | 1 090 | | | |
| Counterweight | kg | 6 500 | | | | 7 000 | | | | 8 500 | | | |
| | | Shoe width | Operating weight | Ground pressure | Overall width | Shoe width | Operating weight | Ground pressure | Overall width | Shoe width | Operating weight | Ground pressure | Overall width |
| | | mm | kg | kPa | mm | mm | kg | kPa | mm | mm | kg | kPa | mm |
| Triple grouser | | 600 | 37 840 | 68.6 | 3 340 | 600 | 38 340 | 69.5 | 3 340 | 600 | 40 980 | 74.3 | 3 340 |
| | | HD 600 | 38 117 | 69.1 | 3 340 | HD 600 | 38 617 | 70.0 | 3 340 | HD 600 | 41 257 | 74.8 | 3 340 |
| | | 700 | 38 330 | 59.8 | 3 440 | 700 | 38 830 | 60.6 | 3 440 | 700 | 41 470 | 64.7 | 3 440 |
| | | 800 | 38 760 | 53.0 | 3 540 | 800 | 39 260 | 53.7 | 3 540 | 800 | 41 410 | 56.6 | 3 540 |
| | | 900 | 39 200 | 48.1 | 3 640 | 900 | 39 700 | 48.7 | 3 640 | 900 | 41 420 | 50.8 | 3 640 |
| Double grouser | | 600 | 38 000 | 69.6 | 3 340 | 600 | 38 500 | 70.5 | 3 340 | - | - | - | - |

| | | EC480DL* | | | | EC480DL* | | | | EC480DLR* | | | |
|-----------------------|----|--------------|------------------|-----------------|---------------|--------------|------------------|-----------------|---------------|---------------|------------------|-----------------|---------------|
| Boom | m | 7.0 | | | | 7.0 | | | | 9.0 | | | |
| Arm | m | 3.35 | | | | 3.5 | | | | 6.0 | | | |
| Bucket | kg | 2 028 | | | | 2 028 | | | | 1 162 | | | |
| Counterweight | kg | 8 450 | | | | 9 050 | | | | 10 300 | | | |
| | | Shoe width | Operating weight | Ground pressure | Overall width | Shoe width | Operating weight | Ground pressure | Overall width | Shoe width | Operating weight | Ground pressure | Overall width |
| | | mm | kg | kPa | mm | mm | kg | kPa | mm | mm | kg | kPa | mm |
| Triple grouser | | 600 | 47 300 | 82.4 | 3 340 | 600 | 47 900 | 83.4 | 3 340 | 600 | 50 510 | 87.9 | 3 340 |
| | | 700 | 47 800 | 71.7 | 3 440 | 700 | 48 400 | 72.6 | 3 440 | 700 | 51 010 | 76.5 | 3 440 |
| | | 800 | 48 300 | 62.9 | 3 540 | 800 | 48 900 | 63.7 | 3 540 | 800 | 51 510 | 67.1 | 3 540 |
| | | 900 | 48 900 | 57.2 | 3 640 | 900 | 49 500 | 57.9 | 3 640 | 900 | 52 110 | 61.0 | 3 640 |
| Double grouser | | 600 | 47 400 | 82.4 | 3 340 | 600 | 48 000 | 83.4 | 3 340 | - | - | - | - |

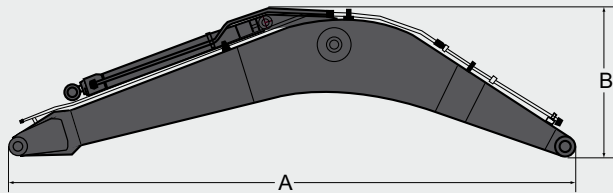
| | | EC480DL** | | | | EC480DL** | | | | EC480DLR** | | | |
|-----------------------|----|--------------|------------------|-----------------|---------------|--------------|------------------|-----------------|---------------|---------------|------------------|-----------------|---------------|
| Boom | m | 7.0 | | | | 7.0 | | | | 9.0 | | | |
| Arm | m | 3.35 | | | | 3.35 | | | | 6.0 | | | |
| Bucket | kg | 2 028 | | | | 2 028 | | | | 1 162 | | | |
| Counterweight | kg | 9 050 | | | | 9 750 | | | | 10 300 | | | |
| | | Shoe width | Operating weight | Ground pressure | Overall width | Shoe width | Operating weight | Ground pressure | Overall width | Shoe width | Operating weight | Ground pressure | Overall width |
| | | mm | kg | kPa | mm | mm | kg | kPa | mm | mm | kg | kPa | mm |
| Triple grouser | | 600 | 49 000 | 85.3 | 3 490 | 600 | 49 700 | 86.5 | 3 490 | 600 | 51 610 | 89.8 | 3 340 |
| | | 700 | 49 500 | 73.5 | 3 590 | 700 | 50 200 | 74.5 | 3 590 | 700 | 52 110 | 77.4 | 3 440 |
| | | 800 | 50 000 | 65.7 | 3 690 | 800 | 50 700 | 66.6 | 3 690 | 800 | 52 610 | 69.1 | 3 540 |
| | | 900 | 50 500 | 58.8 | 3 790 | 900 | 51 200 | 59.6 | 3 790 | 900 | 53 110 | 61.8 | 3 640 |
| Double grouser | | 600 | 49 100 | 85.3 | 3 490 | 600 | 49 800 | 86.5 | 3 490 | - | - | - | - |

* FIXED UNDERCARRIAGE

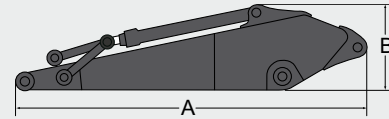
** RETRACTABLE UNDERCARRIAGE

DIMENSIONS

Boom

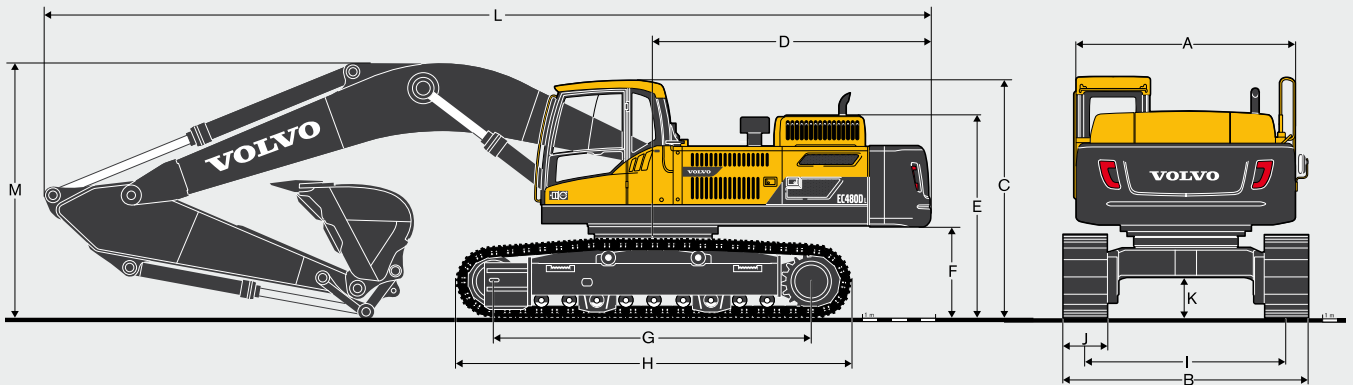


Arm



| | | EC380D | | | EC480D | | | | | EC380D | | | EC480D | | | | | | | |
|-----------|------|--------|-------|------------|--------|-------|------------|-----------|----|--------|------------|-------|--------|------------|-------|-------|-------|-------|-------|-------|
| | Unit | | | long reach | | | long reach | Unit | | | long reach | | | long reach | | | | | | |
| Boom | m | 6.2 | 6.45 | 8.50 | 6.5 | 7.0 | 9.0 | Arm | m | 2.6 | 3.2 | 3.9 | 5.0 | 2.55 | 3.0 | 3.35 | 3.9 | 4.8 | 6.0 | |
| A. Length | mm | 6 460 | 6 700 | 8 750 | 6 750 | 7 250 | 9 270 | A. Length | mm | 3 780 | 4 360 | 5 080 | 6 180 | 3 770 | 4 260 | 4 590 | 5 140 | 6 100 | 7 200 | |
| B. Height | mm | 1 740 | 1 800 | 1 910 | 2 000 | 1 840 | 1 950 | B. Height | mm | 1 150 | 1 150 | 1 150 | 1 040 | 1 270 | 1 270 | 1 270 | 1 270 | 1 270 | 1 270 | 1 180 |
| Width | mm | 820 | 820 | 820 | 960 | 960 | 960 | Width | mm | 560 | 560 | 560 | 560 | 600 | 600 | 600 | 600 | 600 | 600 | 560 |
| Weight | kg | 3 530 | 3 550 | 4 856 | 4 300 | 4 380 | 6 080 | Weight | kg | 2 050 | 2 220 | 2 300 | 2 527 | 2 340 | 2 630 | 2 630 | 2 590 | 2 730 | 3 163 | |

* Includes arm cylinder, piping and pin



| Description | Unit | EC380DL | | | EC480DL* | | | EC380DLR | | | EC480DLR* | | | EC480DLR** | | |
|-------------------------------------|------|-----------|--------|--------|----------|--------|--------|-----------|--------|--------|------------|--------|--------|------------|--------|--|
| | | 6.2 | 6.45 | 8.5 | 6.5 | 7.0 | 9.0 | 2.55 | 3.0 | 3.35 | 3.9 | 4.8 | 5.0 | 6.0 | 6.0 | |
| Boom | m | 6.2 | 6.45 | 8.5 | 6.5 | 7.0 | 9.0 | 2.55 | 3.0 | 3.35 | 3.9 | 4.8 | 5.0 | 6.0 | 6.0 | |
| Arm | m | 2.6 | 2.6 | 3.2 | 3.9 | 2.55 | 3.0 | 2.55 | 3.0 | 3.35 | 3.9 | 4.8 | 5.0 | 6.0 | 6.0 | |
| A. Overall width of upper structure | mm | 2 990 | 2 990 | 2 990 | 2 990 | 2 990 | 2 990 | 2 990 | 2 990 | 2 990 | 2 990 | 2 990 | 2 990 | 2 990 | 2 990 | |
| B. Overall width | mm | 3 340 | 3 340 | 3 340 | 3 340 | 3 440 | 3 440 | 3 440 | 3 440 | 3 440 | 3 440 | 3 440 | 3 440 | 3 440 | 3 440 | |
| C. Overall height of cab | mm | 3 197 | 3 197 | 3 197 | 3 197 | 3 257 | 3 257 | 3 257 | 3 257 | 3 257 | 3 257 | 3 257 | 3 257 | 3 257 | 3 257 | |
| D. Tail slew radius | mm | 3 560 | 3 560 | 3 560 | 3 560 | 3 800 | 3 800 | 3 800 | 3 800 | 3 800 | 3 800 | 3 800 | 3 800 | 3 800 | 3 800 | |
| E. Overall height of engine hood | mm | 2 720 | 2 720 | 2 720 | 2 720 | 2 770 | 2 770 | 2 770 | 2 770 | 2 770 | 2 770 | 2 770 | 2 770 | 2 770 | 2 770 | |
| F'. Counterweight clearance | mm | 1 210 | 1 210 | 1 210 | 1 210 | 1 275 | 1 275 | 1 275 | 1 275 | 1 275 | 1 275 | 1 275 | 1 275 | 1 275 | 1 275 | |
| G. Tumbler length | mm | 4 240 | 4 240 | 4 240 | 4 240 | 4 370 | 4 370 | 4 370 | 4 370 | 4 370 | 4 370 | 4 370 | 4 370 | 4 370 | 4 370 | |
| H. Track length | mm | 5 180 | 5 180 | 5 180 | 5 180 | 5 370 | 5 370 | 5 370 | 5 370 | 5 370 | 5 370 | 5 370 | 5 370 | 5 370 | 5 370 | |
| I. Track gauge | mm | 2 740 | 2 740 | 2 740 | 2 740 | 2 740 | 2 740 | 2 740 | 2 740 | 2 740 | 2 740 | 2 740 | 2 740 | 2 740 | 2 740 | |
| J. Shoe width | mm | 600 | 600 | 600 | 600 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | |
| K'. Min. ground clearance | mm | 500 | 500 | 500 | 500 | 550 | 550 | 550 | 550 | 550 | 550 | 550 | 550 | 550 | 550 | |
| L. Overall length | mm | 11 080 | 11 330 | 11 240 | 11 290 | 11 630 | 11 590 | 12 130 | 12 100 | 12 140 | 12 140 | 12 140 | 12 100 | 12 140 | 12 010 | |
| M. Overall height of boom | mm | 3 700 | 3 580 | 3 350 | 3 590 | 3 770 | 3 810 | 3 630 | 3 680 | 3 650 | 3 690 | 3 690 | 3 680 | 3 650 | 3 690 | |
| Description | Unit | EC480DL** | | | EC380DLR | | | EC480DLR* | | | EC480DLR** | | | | | |
| Boom | m | 6.5 | | | 7.0 | | | 8.5 | | | 9.0 | | | | | |
| Arm | m | 2.55 | 3.0 | 2.55 | 3.0 | 3.35 | 3.9 | 4.8 | 5.0 | 6.0 | 6.0 | 6.0 | | | | |
| A. Overall width of upper structure | mm | 2 990 | 2 990 | 2 990 | 2 990 | 2 990 | 2 990 | 2 990 | 2 990 | 2 990 | 2 990 | 2 990 | | | | |
| B. Overall width | mm | 3 590 | 3 590 | 3 590 | 3 590 | 3 590 | 3 590 | 3 590 | 3 590 | 3 340 | 3 440 | 3 590 | | | | |
| Overall width (retracted) | mm | 3 090 | 3 090 | 3 090 | 3 090 | 3 090 | 3 090 | 3 090 | | | | 3 090 | | | | |
| C. Overall height of cab | mm | 3 370 | 3 370 | 3 370 | 3 370 | 3 370 | 3 370 | 3 370 | 3 197 | 3 257 | 3 370 | 3 370 | | | | |
| D. Tail slew radius | mm | 3 800 | 3 800 | 3 800 | 3 800 | 3 800 | 3 800 | 3 800 | 3 560 | 3 800 | 3 800 | 3 800 | | | | |
| E. Overall height of engine hood | mm | 2 880 | 2 880 | 2 880 | 2 880 | 2 880 | 2 880 | 2 880 | 2 720 | 2 770 | 2 880 | 2 880 | | | | |
| F. Counterweight clearance | mm | 1 385 | 1 385 | 1 385 | 1 385 | 1 385 | 1 385 | 1 385 | 1 210 | 1 275 | 1 385 | 1 385 | | | | |
| G. Tumbler length | mm | 4 370 | 4 370 | 4 370 | 4 370 | 4 370 | 4 370 | 4 370 | 4 240 | 4 370 | 4 370 | 4 370 | | | | |
| H. Track length | mm | 5 370 | 5 370 | 5 370 | 5 370 | 5 370 | 5 370 | 5 370 | 5 180 | 5 370 | 5 370 | 5 370 | | | | |
| I. Track gauge | mm | 2 390 | 2 390 | 2 390 | 2 390 | 2 390 | 2 390 | 2 390 | 2 740 | 2 740 | 2 390 | 2 390 | | | | |
| Track gauge (extended) | mm | 2 890 | 2 890 | 2 890 | 2 890 | 2 890 | 2 890 | 2 890 | | | | 2 890 | | | | |
| J. Shoe width | mm | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 600 | 700 | 700 | 700 | | | | |
| K'. Min. ground clearance | mm | 746 | 746 | 746 | 746 | 746 | 746 | 746 | 500 | 550 | 749 | 749 | | | | |
| L. Overall length | mm | 11 630 | 11 590 | 12 130 | 12 100 | 12 140 | 12 140 | 12 010 | 13 080 | 13 620 | 13 620 | 13 620 | | | | |
| M. Overall height of boom | mm | 3 800 | 3 810 | 3 630 | 3 680 | 3 650 | 3 830 | 4 790 | 4 480 | 5 630 | 5 770 | 5 770 | | | | |

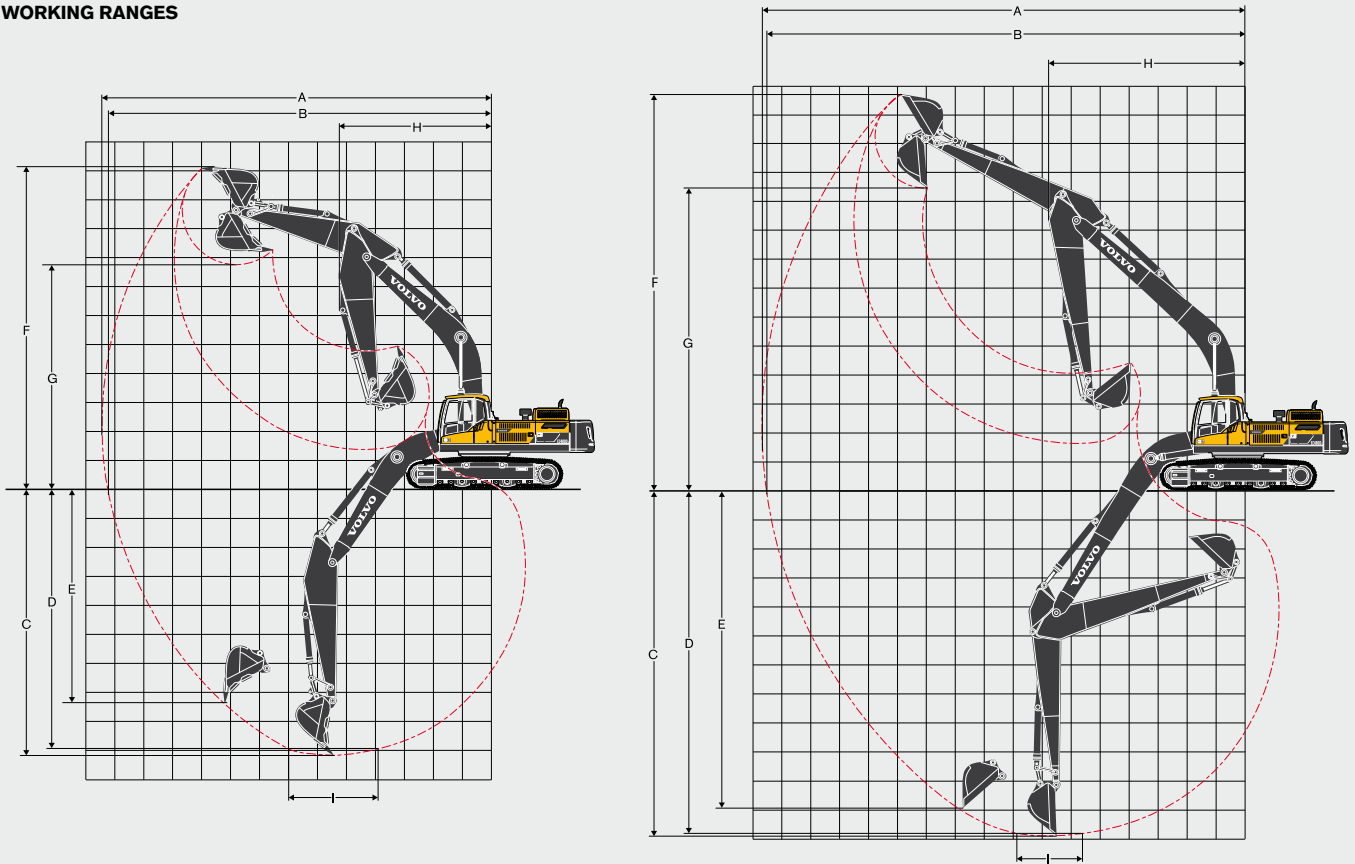
' Without shoe grouser

* FIXED UNDERCARRIAGE

** RETRACTABLE UNDERCARRIAGE

SPECIFICATIONS.

WORKING RANGES



| Description | Unit | EC380DL | | | | EC480DL* | | | | | | | |
|--|-------------|-----------|--------|--------|--------|----------|--------|--------|--------|--------|--------|--------|-----|
| Boom | m | 6.2 | 6.45 | | | 6.5 | | 7.0 | | | | | |
| Arm | m | 2.6 | 2.6 | 3.2 | 3.9 | 2.55 | 3.0 | 2.55 | 3.0 | 3.35 | 3.9 | 4.8 | |
| A. Max. digging reach | mm | 10 430 | 10 550 | 11 070 | 11 720 | 10 930 | 11 290 | 11 340 | 11 710 | 12 040 | 12 530 | 13 260 | |
| B. Max. digging reach on ground | mm | 10 210 | 10 330 | 10 860 | 11 520 | 10 680 | 11 050 | 11 110 | 11 480 | 11 810 | 12 320 | 13 060 | |
| C. Max. digging depth | mm | 6 740 | 6 850 | 7 450 | 8 150 | 6 580 | 7 030 | 6 920 | 7 370 | 7 720 | 8 270 | 9 170 | |
| D. Max. digging depth (l. 2.44 m level) | mm | 6 550 | 6 640 | 7 270 | 8 000 | 6 410 | 6 880 | 6 750 | 7 210 | 7 570 | 8 140 | 9 050 | |
| E. Max. vertical wall digging depth | mm | 4 970 | 5 350 | 5 790 | 6 410 | 5 990 | 6 430 | 6 270 | 6 670 | 7 110 | 7 570 | 8 020 | |
| F. Max. cutting height | mm | 10 070 | 10 170 | 10 340 | 10 600 | 10 600 | 10 590 | 10 860 | 10 860 | 11 020 | 11 190 | 11 130 | |
| G. Max. dumping height | mm | 6 820 | 7 090 | 7 290 | 7 560 | 6 970 | 7 020 | 7 420 | 7 480 | 7 640 | 7 820 | 7 850 | |
| H. Min. front swing radius | mm | 4 120 | 4 320 | 4 280 | 4 310 | 4 780 | 4 740 | 5 170 | 5 130 | 5 090 | 5 050 | 5 100 | |
| Digging forces with direct fit bucket | | | | | | | | | | | | | |
| Bucket radius | mm | 1 810 | 1 623 | 1 623 | 1 623 | 1 923 | 1 923 | 1 810 | 1 810 | 1 810 | 1 810 | 1 810 | |
| Breakout force - bucket | Normal | SAE J1179 | kN | 215 | 198 | 198 | 198 | 253 | 253 | 230 | 230 | 230 | 230 |
| | Power boost | SAE J1179 | kN | 235 | 215 | 215 | 215 | 275 | 275 | 251 | 251 | 251 | 251 |
| | Normal | ISO 6015 | kN | 243 | 222 | 222 | 222 | 285 | 285 | 261 | 261 | 261 | 261 |
| | Power boost | ISO 6015 | kN | 265 | 243 | 243 | 243 | 311 | 311 | 284 | 284 | 284 | 284 |
| Tearout force - dipper arm | Normal | SAE J1179 | kN | 188 | 196 | 162 | 141 | 225 | 205 | 232 | 211 | 196 | 176 |
| | Power boost | SAE J1179 | kN | 206 | 213 | 177 | 154 | 244 | 224 | 252 | 230 | 215 | 192 |
| | Normal | ISO 6015 | kN | 194 | 201 | 166 | 144 | 232 | 212 | 239 | 216 | 201 | 179 |
| Power boost | ISO 6015 | kN | 212 | 219 | 181 | 157 | 253 | 231 | 260 | 235 | 220 | 196 | |
| Rotation angle, bucket | ° | 164 | 177 | 177 | 177 | 169 | 169 | 183 | 183 | 183 | 183 | 183 | |

WORKING RANGES

| Description | Unit | EC480DL** | | | | | | | EC380D-LR | EC480 DLR* | EC480 DLR** | | |
|--|-------------|-----------|--------|--------|--------|--------|--------|--------|-----------|------------|-------------|-----|-----|
| | | 6.5 | | 7.0 | | | | | 8.5 | 9.0 | 9.0 | | |
| Boom | m | 6.5 | | 7.0 | | | | | 8.5 | 9.0 | 9.0 | | |
| Arm | m | 2.55 | 3.0 | 2.55 | 3.0 | 3.35 | 3.9 | 4.8 | 5.0 | 6.0 | 6.0 | | |
| A. Max. digging reach | mm | 10 930 | 11 290 | 11 340 | 11 710 | 12 040 | 12 530 | 13 260 | 14 750 | 16 460 | 16 460 | | |
| B. Max. digging reach on ground | mm | 10 660 | 11 030 | 11 090 | 11 460 | 11 790 | 12 300 | 13 040 | 14 590 | 16 300 | 16 280 | | |
| C. Max. digging depth | mm | 6 470 | 6 920 | 6 810 | 7 260 | 7 610 | 8 160 | 9 060 | 10 980 | 11 870 | 11 760 | | |
| D. Max. digging depth (l. 2,44m level) | mm | 6 300 | 6 770 | 6 640 | 7 100 | 7 460 | 8 030 | 8 940 | 10 860 | 11 770 | 11 660 | | |
| E. Max. vertical wall digging depth | mm | 5 880 | 6 320 | 6 160 | 6 560 | 7 000 | 7 460 | 7 910 | 10 370 | 11 240 | 11 130 | | |
| F. Max. cutting height | mm | 10 710 | 10 700 | 10 970 | 10 970 | 11 130 | 11 300 | 11 240 | 12 610 | 13 750 | 13 860 | | |
| G. Max. dumping height | mm | 7 080 | 7 130 | 7 530 | 7 590 | 7 750 | 7 930 | 7 960 | 9 610 | 10 700 | 10 810 | | |
| H. Min. front swing radius | mm | 4 780 | 4 740 | 5 170 | 5 130 | 5 090 | 5 050 | 5 100 | 5 730 | 6 610 | 6 610 | | |
| Digging forces with direct fit bucket | | | | | | | | | | | | | |
| Bucket radius | mm | 1 923 | 1 923 | 1 810 | 1 810 | 1 810 | 1 810 | 1 810 | 1 598 | 1 598 | 1 598 | | |
| Breakout force - bucket | Normal | SAE J1179 | kN | 253 | 253 | 230 | 230 | 230 | 230 | 230 | 148 | 163 | 163 |
| | Power boost | SAE J1179 | kN | 275 | 275 | 251 | 251 | 251 | 251 | 251 | 148 | 178 | 178 |
| | Normal | ISO 6015 | kN | 285 | 285 | 261 | 261 | 261 | 261 | 261 | 166 | 183 | 183 |
| | Power boost | ISO 6015 | kN | 311 | 311 | 284 | 284 | 284 | 284 | 284 | 166 | 200 | 200 |
| Tearout force - dipper arm | Normal | SAE J1179 | kN | 225 | 205 | 232 | 211 | 196 | 176 | 160 | 120 | 130 | 130 |
| | Power boost | SAE J1179 | kN | 244 | 224 | 252 | 230 | 215 | 192 | 174 | 131 | 142 | 142 |
| | Normal | ISO 6015 | kN | 232 | 212 | 239 | 216 | 201 | 179 | 163 | 122 | 132 | 132 |
| | Power boost | ISO 6015 | kN | 253 | 231 | 260 | 235 | 220 | 196 | 178 | 133 | 144 | 144 |
| Rotation angle, bucket | ° | 169 | 169 | 183 | 183 | 183 | 183 | 183 | 177 | 177 | 177 | | |

* FIXED UNDERCARRIAGE, Machine with pin-on bucket

** RETRACTABLE UNDERCARRIAGE, Machine with pin-on bucket

Bucket spec. for Working Range

EC380D

- For ME Boom : VGP50 2300L VTS (Bucket tip radius : 1826.34mm)

- For STD Boom : KGP36 1610L KTS (Bucket tip radius : 1697.23mm)

- For LR Boom : KGP29 1400L KTS (Bucket tip radius : 1598.3 mm)

EC480D

- For ME Boom : VGP60 2600L VTS (Bucket tip radius : 1948.40mm)

- For STD Boom : KGP46 2060L KTS (Bucket tip radius : 1847.01mm)

- For LR Boom: KGP29 1600L KTS (Bucket tip radius : 1598.3mm)

EXPLANATION OF LIFTING CAPACITY TABLES

Example : • EC380DNLC

Lifting capacity at the arm end without bucket.

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

| | Lifting hook related to ground level | Along | | Across | | Along | | Across | | Along | | Across | | Max. mm |
|--------------|--------------------------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------------|--------|-------|---------|-------|---------|-------|---------|
| | | undercarriage 3.0m | undercarriage 4.5m | undercarriage 6.0m | undercarriage 7.5m | undercarriage 9.0m | undercarriage Max. reach | | | | | | | |
| Boom: 6,2m | 7.5m kg | - | - | *10 730 | 9 890 | - | - | - | - | *10 940 | 8 140 | 6 717 | | |
| | 6.0m kg | - | - | *11 270 | 9 690 | *10 800 | 6 730 | - | - | 10 530 | 6 430 | 7 694 | | |
| Arm: 2.6m | 4.5m kg | - | *15 950 | 14 330 | *12 740 | 9 270 | 10 850 | 6 580 | - | - | 9 200 | 5 580 | 8 288 | |
| | 3.0m kg | - | *19 950 | 13 190 | *14 580 | 8 780 | 10 590 | 6 340 | - | - | 8 570 | 5 160 | 8 579 | |
| Shoe: 600mm | 1.5m kg | - | *22 520 | 12 470 | 14 570 | 8 370 | 10 340 | 6 130 | - | - | 8 420 | 5 030 | 8 600 | |
| | 0m kg | - | *23 070 | 12 230 | 14 290 | 8 130 | 10 180 | 5 990 | - | - | 8 720 | 5 170 | 8 351 | |
| CWT: 7 050kg | -1.5m kg | *17 930 | *17 930 | *22 250 | 12 240 | 14 220 | 8 080 | 10 170 | 5 970 | - | - | 9 610 | 5 680 | 7 807 |
| | -3.0m kg | *26 840 | 24 630 | *20 070 | 12 440 | 14 370 | 8 200 | - | - | - | - | 11 660 | 6 830 | 6 898 |
| | -4.5m kg | - | *15 500 | 12 900 | - | - | - | - | - | - | - | *12 300 | 9 850 | 5 439 |

- 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 EC380DL

| | | 1.5m | | 3.0m | | 4.5m | | 6.0m | | 7.5m | | 9.0m | | 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 | Along UC | Across UC | mm |
| Boom : 6.2m Arm : 2.6m Shoe : 600mm CWT : 6 500kg | 7.5m kg | - | - | - | - | - | - | *10 730 | *10 730 | - | - | - | - | *10 940 | 9 120 | 6 717 |
| | 6.0m kg | - | - | - | - | - | - | *11 270 | 10 890 | *10 800 | 7 540 | - | - | *10 620 | 7 210 | 7 694 |
| | 4.5m kg | - | - | - | - | *15 950 | *15 950 | *12 740 | 10 460 | *11 260 | 7 380 | - | - | 9 740 | 6 260 | 8 288 |
| | 3.0m kg | - | - | - | - | *19 950 | 15 200 | *14 580 | 9 940 | 11 230 | 7 150 | - | - | 9 080 | 5 810 | 8 579 |
| | 1.5m kg | - | - | - | - | *22 520 | 14 440 | 15 580 | 9 520 | 10 980 | 6 920 | - | - | 8 920 | 5 670 | 8 600 |
| | 0m kg | - | - | - | - | *23 070 | 14 180 | 15 290 | 9 270 | 10 820 | 6 780 | - | - | 9 240 | 5 850 | 8 351 |
| | -1.5m kg | - | - | *17 930 | *17 930 | *22 250 | 14 190 | 15 220 | 9 210 | 10 810 | 6 760 | - | - | 10 210 | 6 420 | 7 807 |
| | -3.0m kg | - | - | *26 840 | *26 840 | *20 070 | 14 400 | *15 200 | 9 340 | - | - | - | - | 12 420 | 7 740 | 6 898 |
| | -4.5m kg | - | - | - | - | *15 500 | 14 890 | - | - | - | - | - | - | *12 300 | 11 230 | 5 439 |
| Boom : 6.45m Arm : 2.6m Shoe : 600mm CWT : 6 500kg | 7.5m kg | - | - | - | - | - | - | - | - | - | - | - | - | *10 440 | 8 450 | 7 031 |
| | 6.0m kg | - | - | - | - | - | - | *11 010 | 10 840 | *10 360 | 7 530 | - | - | *10 380 | 6 780 | 7 969 |
| | 4.5m kg | - | - | - | - | *16 120 | *16 120 | *12 600 | 10 360 | *10 980 | 7 340 | - | - | 9 240 | 5 930 | 8 543 |
| | 3.0m kg | - | - | - | - | - | - | *14 480 | 9 820 | 11 160 | 7 080 | - | - | 8 640 | 5 510 | 8 826 |
| | 1.5m kg | - | - | - | - | - | - | 15 430 | 9 380 | 10 900 | 6 840 | - | - | 8 490 | 5 380 | 8 846 |
| | 0m kg | - | - | - | - | *22 070 | 14 000 | 15 150 | 9 150 | 10 730 | 6 690 | - | - | 8 770 | 5 530 | 8 605 |
| | -1.5m kg | - | - | *14 980 | *14 980 | *22 050 | 14 030 | 15 080 | 9 090 | 10 690 | 6 660 | - | - | 9 620 | 6 040 | 8 079 |
| | -3.0m kg | - | - | *26 560 | *26 560 | *20 090 | 14 240 | 15 220 | 9 210 | - | - | - | - | 11 520 | 7 180 | 7 204 |
| | -4.5m kg | - | - | *21 140 | *21 140 | *16 190 | 14 680 | - | - | - | - | - | - | *12 080 | 10 010 | 5 824 |
| Boom : 6.45m Arm : 3.2m Shoe : 600mm CWT : 6 500kg | 7.5m kg | - | - | - | - | - | - | - | - | *8 870 | 7 760 | - | - | *7 750 | 7 470 | 7 663 |
| | 6.0m kg | - | - | - | - | - | - | - | - | *9 530 | 7 690 | - | - | *7 540 | 6 160 | 8 531 |
| | 4.5m kg | - | - | - | - | *14 390 | *14 390 | *11 650 | 10 580 | *10 300 | 7 460 | *8 320 | 5 530 | *7 610 | 5 460 | 9 069 |
| | 3.0m kg | - | - | - | - | *18 570 | 15 340 | *13 650 | 10 000 | 11 270 | 7 170 | 8 450 | 5 410 | *7 930 | 5 090 | 9 336 |
| | 1.5m kg | - | - | - | - | *21 640 | 14 410 | *15 430 | 9 500 | 10 960 | 6 900 | 8 300 | 5 270 | 7 820 | 4 970 | 9 355 |
| | 0m kg | - | - | - | - | *22 810 | 14 010 | 15 200 | 9 180 | 10 740 | 6 700 | 8 200 | 5 180 | 8 030 | 5 080 | 9 127 |
| | -1.5m kg | - | - | *15 470 | *15 470 | *22 570 | 13 940 | 15 050 | 9 050 | 10 650 | 6 620 | - | - | 8 690 | 5 470 | 8 633 |
| | -3.0m kg | *18 020 | *18 020 | *24 440 | *24 440 | *21 150 | 14 070 | 15 100 | 9 100 | 10 720 | 6 680 | - | - | 10 100 | 6 330 | 7 822 |
| | -4.5m kg | - | - | *24 570 | *24 570 | *18 150 | 14 410 | *13 600 | 9 350 | - | - | - | - | *11 920 | 8 260 | 6 575 |
| Boom : 6.45m Arm : 3.9m Shoe : 600mm CWT : 6 500kg | 9.0m kg | - | - | - | - | - | - | - | - | - | - | - | - | *6 700 | *6 700 | 7 256 |
| | 7.5m kg | - | - | - | - | - | - | - | - | *8 250 | 8 060 | - | - | *6 260 | *6 260 | 8 443 |
| | 6.0m kg | - | - | - | - | - | - | - | - | *8 610 | 7 920 | *7 460 | 5 790 | *6 110 | 5 510 | 9 237 |
| | 4.5m kg | - | - | - | - | - | - | *10 470 | *10 470 | *9 470 | 7 650 | 8 750 | 5 680 | *6 160 | 4 940 | 9 736 |
| | 3.0m kg | - | - | - | - | *16 500 | 15 830 | *12 550 | 10 220 | *10 610 | 7 300 | 8 560 | 5 500 | *6 390 | 4 630 | 9 984 |
| | 1.5m kg | - | - | - | - | *20 140 | 14 600 | *14 540 | 9 610 | 11 050 | 6 970 | 8 360 | 5 320 | *6 800 | 4 520 | 10 002 |
| | 0m kg | - | - | *9 650 | *9 650 | *22 140 | 13 940 | 15 210 | 9 180 | 10 760 | 6 700 | 8 200 | 5 170 | 7 260 | 4 590 | 9 789 |
| | -1.5m kg | *9 850 | *9 850 | *14 680 | *14 680 | *22 620 | 13 700 | 14 950 | 8 950 | 10 590 | 6 560 | 8 130 | 5 110 | 7 730 | 4 870 | 9 331 |
| | -3.0m kg | *15 310 | *15 310 | *21 180 | *21 180 | *21 860 | 13 740 | 14 910 | 8 920 | 10 580 | 6 540 | - | - | 8 740 | 5 480 | 8 587 |
| Boom : 6.2m Arm : 2.6m Shoe : 600mm CWT : 7 000kg | 7.5m kg | - | - | - | - | - | - | *10 730 | *10 730 | - | - | - | - | *10 940 | 9 450 | 6 717 |
| | 6.0m kg | - | - | - | - | - | - | *11 270 | *11 270 | *10 800 | 7 820 | - | - | *10 620 | 7 480 | 7 694 |
| | 4.5m kg | - | - | - | - | *15 950 | *15 950 | *12 740 | 10 840 | *11 260 | 7 670 | - | - | 10 060 | 6 520 | 8 288 |
| | 3.0m kg | - | - | - | - | *19 950 | 15 770 | *14 580 | 10 320 | 11 600 | 7 430 | - | - | 9 380 | 6 050 | 8 579 |
| | 1.5m kg | - | - | - | - | *22 520 | 15 010 | 16 080 | 9 900 | 11 350 | 7 210 | - | - | 9 220 | 5 910 | 8 600 |
| | 0m kg | - | - | - | - | *23 070 | 14 750 | 15 800 | 9 650 | 11 190 | 7 060 | - | - | 9 560 | 6 100 | 8 351 |
| | -1.5m kg | - | - | *17 930 | *17 930 | *22 250 | 14 760 | 15 720 | 9 590 | 11 170 | 7 050 | - | - | 10 550 | 6 690 | 7 807 |
| | -3.0m kg | - | - | *26 840 | *26 840 | *20 070 | 14 970 | *15 200 | 9 720 | - | - | - | - | *12 570 | 8 050 | 6 898 |
| | -4.5m kg | - | - | - | - | *15 500 | 15 450 | - | - | - | - | - | - | *12 300 | 11 660 | 5 439 |
| Boom : 6.45m Arm : 2.6m Shoe : 600mm CWT : 7 000kg | 7.5m kg | - | - | - | - | - | - | - | - | - | - | - | - | *10 440 | 8 760 | 7 031 |
| | 6.0m kg | - | - | - | - | - | - | *11 010 | *11 010 | *10 360 | 7 820 | - | - | *10 380 | 7 040 | 7 969 |
| | 4.5m kg | - | - | - | - | *16 120 | *16 120 | *12 600 | 10 740 | *10 980 | 7 620 | - | - | 9 540 | 6 170 | 8 543 |
| | 3.0m kg | - | - | - | - | - | - | *14 480 | 10 200 | 11 520 | 7 360 | - | - | 8 930 | 5 740 | 8 826 |
| | 1.5m kg | - | - | - | - | - | - | 15 930 | 9 760 | 11 260 | 7 130 | - | - | 8 780 | 5 620 | 8 846 |
| | 0m kg | - | - | - | - | *22 070 | 14 570 | 15 650 | 9 530 | 11 090 | 6 980 | - | - | 9 070 | 5 780 | 8 605 |
| | -1.5m kg | - | - | *14 980 | *14 980 | *22 050 | 14 600 | 15 590 | 9 470 | 11 060 | 6 950 | - | - | 9 950 | 6 300 | 8 079 |
| | -3.0m kg | - | - | *26 560 | *26 560 | *20 090 | 14 810 | *15 360 | 9 590 | - | - | - | - | 11 900 | 7 480 | 7 204 |
| | -4.5m kg | - | - | *21 140 | *21 140 | *16 190 | 15 250 | - | - | - | - | - | - | *12 080 | 10 410 | 5 824 |

LIFTING CAPACITY EC380DL

| | | | 1.5m | | 3.0m | | 4.5m | | 6.0m | | 7.5m | | 9.0m | | 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 | Along UC | Across UC | mm |
| Boom : 6.45m Arm : 3.2m Shoe : 600mm CWT : 7 000kg | 7.5m | kg | - | - | - | - | - | - | - | - | *8 870 | 8 050 | - | - | *7 750 | 7 740 | 7 663 |
| | 6.0m | kg | - | - | - | - | - | - | - | - | *9 530 | 7 980 | - | - | *7 540 | 6 400 | 8 531 |
| | 4.5m | kg | - | - | - | - | *14 390 | *14 390 | *11 650 | 10 960 | *10 300 | 7 750 | *8 320 | 5 760 | *7 610 | 5 680 | 9 069 |
| | 3.0m | kg | - | - | - | - | *18 570 | 15 910 | *13 650 | 10 380 | *11 340 | 7 460 | 8 730 | 5 630 | *7 930 | 5 310 | 9 336 |
| | 1.5m | kg | - | - | - | - | *21 640 | 14 970 | *15 430 | 9 880 | 11 330 | 7 180 | 8 580 | 5 500 | 8 090 | 5 190 | 9 355 |
| | 0m | kg | - | - | - | - | *22 810 | 14 580 | 15 700 | 9 560 | 11 110 | 6 990 | 8 480 | 5 410 | 8 310 | 5 300 | 9 127 |
| | -1.5m | kg | - | - | *15 470 | *15 470 | *22 570 | 14 510 | 15 550 | 9 430 | 11 010 | 6 900 | - | - | 8 990 | 5 710 | 8 633 |
| | -3.0m | kg | *18 020 | *18 020 | *24 440 | *24 440 | *21 150 | 14 640 | 15 610 | 9 480 | 11 080 | 6 960 | - | - | 10 440 | 6 600 | 7 822 |
| | -4.5m | kg | - | - | *24 570 | *24 570 | *18 150 | 14 980 | *13 600 | 9 730 | - | - | - | - | *11 920 | 8 600 | 6 575 |
| Boom : 6.45m Arm : 3.9m Shoe : 600mm CWT : 7 000kg | 9.0m | kg | - | - | - | - | - | - | - | - | - | - | - | - | *6 700 | *6 700 | 7 256 |
| | 7.5m | kg | - | - | - | - | - | - | - | - | *8 250 | *8 250 | - | - | *6 260 | *6 260 | 8 443 |
| | 6.0m | kg | - | - | - | - | - | - | - | - | *8 610 | 8 210 | *7 460 | 6 010 | *6 110 | 5 730 | 9 237 |
| | 4.5m | kg | - | - | - | - | - | - | *10 470 | *10 470 | *9 470 | 7 930 | *8 950 | 5 900 | *6 160 | 5 150 | 9 736 |
| | 3.0m | kg | - | - | - | - | *16 500 | 16 400 | *12 550 | 10 600 | *10 610 | 7 590 | 8 840 | 5 730 | *6 390 | 4 840 | 9 984 |
| | 1.5m | kg | - | - | - | - | *20 140 | 15 170 | *14 540 | 9 990 | 11 420 | 7 250 | 8 650 | 5 550 | *6 800 | 4 720 | 10 002 |
| | 0m | kg | - | - | *9 650 | *9 650 | *22 140 | 14 510 | 15 710 | 9 560 | 11 130 | 6 990 | 8 490 | 5 400 | *7 480 | 4 790 | 9 789 |
| | -1.5m | kg | *9 850 | *9 850 | *14 680 | *14 680 | *22 620 | 14 270 | 15 450 | 9 330 | 10 960 | 6 840 | 8 420 | 5 340 | 8 000 | 5 090 | 9 331 |
| | -3.0m | kg | *15 310 | *15 310 | *21 180 | *21 180 | *21 860 | 14 310 | 15 420 | 9 300 | 10 940 | 6 830 | - | - | 9 040 | 5 730 | 8 587 |
| -4.5m | kg | *21 850 | *21 850 | *27 640 | *27 640 | *19 720 | 14 580 | *14 890 | 9 470 | - | - | - | - | 11 210 | 7 050 | 7 471 | |
| -6.0m | kg | - | - | *20 930 | *20 930 | *15 250 | 15 150 | - | - | - | - | - | - | *11 390 | 10 510 | 5 767 | |

SPECIFICATIONS.

LIFTING CAPACITY EC480DL, fixed undercarriage

| | Lifting Point | 3.0m | | 4.5m | | 6.0m | | 7.5m | | 9.0m | | 10.5m | | 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 | Along UC | Across UC | mm |
| Boom : 6.5m Arm : 2.55m Shoe : 600mm CWT : 9 050kg | 7.5m kg | - | - | - | - | - | - | - | - | - | - | - | - | *12 430 | 10 810 | 7249 |
| | 6.0m kg | - | - | - | - | *13 390 | *13 390 | *12 350 | 10 180 | - | - | - | - | *12 280 | 8880 | 8143 |
| | 4.5m kg | - | - | *19 980 | *19 980 | *15 270 | 13 820 | *13 110 | 9920 | - | - | - | - | 12 330 | 7900 | 8686 |
| | 3.0m kg | - | - | *24 400 | 19 800 | *17 390 | 13 170 | *14 160 | 9600 | - | - | - | - | 11 630 | 7420 | 8944 |
| | 1.5m kg | - | - | *17 490 | *17 490 | *19 000 | 12 680 | 14 930 | 9330 | - | - | - | - | 11 510 | 7310 | 8942 |
| | 0m kg | - | - | *25 680 | 18 950 | *19 670 | 12 440 | 14 750 | 9160 | - | - | - | - | 11 940 | 7550 | 8680 |
| | -1.5m kg | *18 840 | *18 840 | *25 280 | 19 030 | *19 250 | 12 400 | 14 730 | 9150 | - | - | - | - | 13 140 | 8260 | 8132 |
| | -3.0m kg | *29 180 | *29 180 | *22 630 | 19 300 | *17 440 | 12 560 | - | - | - | - | - | - | *13 600 | 9810 | 7231 |
| | -4.5m kg | - | - | *17 530 | *17 530 | - | - | - | - | - | - | - | - | *12 950 | *12 950 | 5813 |
| Boom : 6.5m Arm : 3.0m Shoe : 600mm CWT : 9 050kg | 7.5m kg | - | - | - | - | - | - | *11 300 | 10 270 | - | - | - | - | *10 910 | 9820 | 7692 |
| | 6.0m kg | - | - | - | - | - | - | *11 480 | 10 160 | - | - | - | - | *10 590 | 8180 | 8539 |
| | 4.5m kg | - | - | *18 230 | *18 230 | *14 280 | 13 830 | *12 360 | 9860 | *11 470 | 7390 | - | - | *10 670 | 7310 | 9058 |
| | 3.0m kg | - | - | *22 890 | 19 900 | *16 480 | 13 110 | *13 500 | 9500 | 11 420 | 7240 | - | - | 10 840 | 6870 | 9305 |
| | 1.5m kg | - | - | *25 180 | 18 920 | *18 300 | 12 540 | *14 530 | 9180 | 11 250 | 7080 | - | - | 10 710 | 6750 | 9303 |
| | 0m kg | - | - | *26 410 | 18 600 | *19 260 | 12 210 | 14 550 | 8960 | 11 150 | 6990 | - | - | 11 060 | 6940 | 9052 |
| | -1.5m kg | *19 530 | *19 530 | *25 590 | 18 600 | *19 190 | 12 110 | 14 480 | 8900 | - | - | - | - | 12 050 | 7520 | 8528 |
| | -3.0m kg | *31 560 | *31 560 | *23 430 | 18 830 | *17 880 | 12 220 | *13 630 | 9030 | - | - | - | - | *13 100 | 8780 | 7675 |
| | -4.5m kg | - | - | *19 220 | *19 220 | *14 290 | 12 620 | - | - | - | - | - | - | *13 000 | 11 680 | 6359 |
| Boom : 7.0m Arm : 2.55m Shoe : 600mm CWT : 9 050kg | 9.0 m kg | - | - | - | - | - | - | - | - | - | - | - | - | *11 860 | *11 860 | 6619 |
| | 7.5 m kg | - | - | - | - | - | - | *11 320 | 10 280 | - | - | - | - | *11 440 | 9430 | 7886 |
| | 6.0m kg | - | - | - | - | *13 060 | *13 060 | *11 700 | 10 110 | - | - | - | - | *11 360 | 7940 | 8714 |
| | 4.5m kg | - | - | - | - | *15 150 | 13 550 | *12 670 | 9790 | *11 500 | 7430 | - | - | 11 150 | 7140 | 9223 |
| | 3.0m kg | - | - | - | - | *17 330 | 12 860 | *13 820 | 9440 | 11 430 | 7270 | - | - | 10 580 | 6740 | 9466 |
| | 1.5m kg | - | - | - | - | *18 870 | 12 390 | 14 740 | 9150 | 11 270 | 7120 | - | - | 10 480 | 6640 | 9464 |
| | 0m kg | - | - | - | - | *19 450 | 12 180 | 14 540 | 8980 | 11 180 | 7050 | - | - | 10 820 | 6840 | 9217 |
| | -1.5m kg | - | - | *24 720 | 18 780 | *19 090 | 12 170 | 14 510 | 8950 | - | - | - | - | 11 760 | 7400 | 8703 |
| | -3.0m kg | *27 580 | *27 580 | *22 570 | 19 020 | *17 700 | 12 310 | *13 770 | 9100 | - | - | - | - | *12 720 | 8580 | 7870 |
| -4.5m kg | - | - | *18 710 | *18 710 | *14 430 | 12 700 | - | - | - | - | - | - | *12 460 | 11 220 | 6594 | |
| Boom : 7.0m Arm : 3.0m Shoe : 600mm CWT : 9 050kg | 9.0m kg | - | - | - | - | - | - | - | - | - | - | - | - | *10 770 | *10 770 | 7134 |
| | 7.5m kg | - | - | - | - | - | - | *10 380 | 10 300 | - | - | - | - | *10 510 | 8610 | 8322 |
| | 6.0m kg | - | - | - | - | - | - | *10 910 | 10 080 | *10 490 | 7480 | - | - | *10 500 | 7320 | 9109 |
| | 4.5m kg | - | - | *18 910 | *18 910 | *14 150 | 13 550 | *11 950 | 9720 | *10 830 | 7340 | - | - | 10 390 | 6610 | 9597 |
| | 3.0m kg | - | - | - | - | *16 420 | 12 790 | *13 170 | 9330 | 11 320 | 7140 | - | - | 9870 | 6240 | 9831 |
| | 1.5m kg | - | - | - | - | *18 170 | 12 230 | *14 240 | 8990 | 11 110 | 6960 | - | - | 9760 | 6130 | 9829 |
| | 0m kg | - | - | *18 120 | *18 120 | *19 030 | 11 930 | 14 340 | 8770 | 10 980 | 6840 | - | - | 10 040 | 6280 | 9591 |
| | -1.5m kg | *13 850 | *13 850 | *25 110 | 18 290 | *18 980 | 11 860 | 14 250 | 8700 | 10 980 | 6840 | - | - | 10 820 | 6750 | 9099 |
| | -3.0m kg | *25 800 | *25 800 | *23 270 | 18 520 | *17 960 | 11 970 | *14 100 | 8790 | - | - | - | - | *12 180 | 7720 | 8306 |
| -4.5m kg | *25 880 | *25 880 | *19 960 | 18 960 | *15 450 | 12 280 | - | - | - | - | - | - | *12 260 | 9780 | 7111 | |
| -6.0m kg | - | - | - | - | - | - | *10 300 | *10 300 | - | - | - | - | *10 360 | 10 330 | 7583 | |
| Boom : 7.0m Arm : 3.35m Shoe : 600mm CWT : 9 050kg | 9.0 m kg | - | - | - | - | - | - | *10 010 | *10 010 | - | - | - | - | *9800 | 8200 | 8709 |
| | 7.5 m kg | - | - | - | - | - | - | *10 630 | 10 330 | *10 190 | 7720 | - | - | *9600 | 7080 | 9463 |
| | 6.0m kg | - | - | *17 950 | *17 950 | *13 760 | *13 760 | *11 740 | 9980 | *10 670 | 7560 | - | - | *9680 | 6450 | 9933 |
| | 4.5m kg | - | - | *22 870 | 19 800 | *16 130 | 13 150 | *13 040 | 9580 | *11 350 | 7350 | - | - | 9570 | 6110 | 10 159 |
| | 3.0m kg | - | - | *15 840 | *15 840 | *18 080 | 12 560 | *14 210 | 9230 | 11 310 | 7160 | - | - | 9460 | 6010 | 10 158 |
| | 1.5m kg | - | - | *19 420 | 18 570 | *19 170 | 12 220 | 14 570 | 9000 | 11 160 | 7020 | - | - | 9710 | 6140 | 9928 |
| | 0m kg | *14 040 | *14 040 | *25 880 | 18 570 | *19 340 | 12 100 | 14 450 | 8890 | 11 110 | 6970 | - | - | 10 390 | 6550 | 9454 |
| | -1.5m kg | *23 900 | *23 900 | *24 290 | 18 740 | *18 570 | 12 150 | 14 490 | 8930 | - | - | - | - | 11 760 | 7390 | 8694 |
| | -3.0m kg | *28 410 | *28 410 | *21 330 | 19 100 | *16 470 | 12 390 | *12 380 | 9180 | - | - | - | - | *12 190 | 9090 | 7562 |
| -4.5m kg | - | - | - | - | - | - | - | - | - | - | - | - | *8370 | *8370 | 8244 | |
| Boom : 7.0m Arm : 3.9m Shoe : 600mm CWT : 9 050kg | 9.0 m kg | - | - | - | - | - | - | - | - | *9250 | 7850 | - | - | *7930 | 7410 | 9288 |
| | 7.5 m kg | - | - | - | - | - | - | *9780 | *9780 | *9410 | 7760 | - | - | *7770 | 6470 | 9999 |
| | 6.0m kg | - | - | - | - | *12 610 | *12 610 | *10 930 | 10 020 | *9990 | 7560 | - | - | *7840 | 5910 | 10 444 |
| | 4.5m kg | - | - | *20 840 | 20 140 | *15 060 | 13 240 | *12 300 | 9580 | *10 760 | 7320 | 9060 | 5760 | *8090 | 5620 | 10 659 |
| | 3.0m kg | - | - | *21 560 | 18 890 | *17 210 | 12 540 | *13 600 | 9180 | 11 250 | 7080 | 8930 | 5640 | *8570 | 5520 | 10 657 |
| | 1.5m kg | - | - | *21 410 | 18 360 | *18 610 | 12 100 | 14 470 | 8890 | 11 050 | 6910 | - | - | 8930 | 5610 | 10 439 |
| | 0m kg | *14 060 | *14 060 | *25 990 | 18 230 | *19 130 | 11 900 | 14 290 | 8730 | 10 950 | 6810 | - | - | 9470 | 5940 | 9989 |
| | -1.5m kg | *21 670 | *21 670 | *24 880 | 18 330 | *18 740 | 11 890 | 14 270 | 8710 | 10 990 | 6850 | - | - | 10 560 | 6600 | 9275 |
| | -3.0m kg | *31 060 | *31 060 | *22 520 | 18 640 | *17 220 | 12 070 | *13 380 | 8870 | - | - | - | - | *11 590 | 7900 | 8224 |
| -4.5m kg | - | - | *18 130 | *18 130 | *13 640 | 12 510 | - | - | - | - | - | - | *11 580 | 10 840 | 6678 | |

LIFTING CAPACITY EC480DL, fixed undercarriage

| | | | 3.0m | | 4.5m | | 6.0m | | 7.5m | | 9.0m | | 10.5m | | 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 | Along UC | Across UC | mm | |
| Boom : 7.0m Arm : 4.8m Shoe : 600mm CWT : 9 050kg | 9.0m | kg | - | - | - | - | - | - | - | - | *8 030 | 8 000 | - | - | *7 580 | *7 580 | 9 163 | |
| | 7.5m | kg | - | - | - | - | - | - | - | - | *7 860 | *7 860 | - | - | *7 290 | 6 470 | 10 111 | |
| | 6.0m | kg | - | - | - | - | - | - | - | - | *8 220 | 7 860 | *8 250 | 6 000 | *7 220 | 5 720 | 10 766 | |
| | 4.5m | kg | - | - | - | - | - | - | - | - | *9 570 | *9 570 | *8 910 | 7 610 | *8 550 | *7 320 | 5 250 | 11 181 |
| | 3.0m | kg | - | - | *17 570 | *17 570 | *13 220 | 13 220 | *11 040 | 9 670 | *9 780 | 7 320 | *9 020 | 5 720 | *7 570 | 4 990 | 11 382 | |
| | 1.5m | kg | - | - | *21 990 | 19 240 | 15 670 | 12 650 | *12 510 | 9 180 | *10 680 | 7 030 | 8 860 | 5 550 | 7 820 | 4 880 | 11 380 | |
| | 0m | kg | - | - | *24 650 | 18 270 | 17 530 | 12 030 | *13 720 | 8 790 | 10 940 | 6 780 | 8 710 | 5 410 | 7 940 | 4 930 | 11 176 | |
| | -1.5m | kg | *14 230 | *14 230 | *25 660 | 17 870 | 18 570 | 11 680 | 14 110 | 8 540 | 10 760 | 6 620 | 8 620 | 5 340 | 8 340 | 5 160 | 10 758 | |
| | -3.0m | kg | *19 870 | *19 870 | *25 380 | 17 810 | 18 750 | 11 560 | 13 990 | 8 440 | 10 700 | 6 570 | - | - | 9 120 | 5 640 | 10 098 | |
| | -4.5m | kg | *27 230 | *27 230 | *23 910 | 18 000 | 17 970 | 11 630 | 14 050 | 8 490 | 10 810 | 6 660 | - | - | 10 580 | 6 530 | 9 145 | |
| -6.0m | kg | *29 270 | *29 270 | *20 870 | 18 440 | 15 820 | 11 910 | *12 010 | 8 750 | - | - | - | - | *11 290 | 8 340 | 7 787 | | |

LIFTING CAPACITY EC480DL, retractable undercarriage

| | | | 3.0m | | 4.5m | | 6.0m | | 7.5m | | 9.0m | | 10.5m | | 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 | Along UC | Across UC | mm |
| Boom : 6.5m Arm : 2.55m Shoe : 600mm CWT : 9 750kg | 7.5m | kg | - | - | - | - | - | - | - | - | - | - | - | - | *12 430 | 11 970 | 7 249 |
| | 6m | kg | - | - | - | - | - | - | - | - | - | - | - | - | *12 280 | 9 870 | 8 143 |
| | 4.5m | kg | - | - | *19 980 | *19 980 | *15 270 | *15 270 | *13 110 | 11 020 | - | - | - | - | *12 350 | 8 800 | 8 686 |
| | 3m | kg | - | - | *24 400 | 22 270 | *17 390 | 14 700 | *14 160 | 10 700 | - | - | - | - | 12 230 | 8 280 | 8 944 |
| | 1.5m | kg | - | - | *17 490 | *17 490 | *19 000 | 14 210 | *15 060 | 10 420 | - | - | - | - | 12 110 | 8 170 | 8 942 |
| | 0m | kg | - | - | *25 680 | 21 410 | *19 670 | 13 950 | *15 490 | 10 260 | - | - | - | - | 12 570 | 8 440 | 8 680 |
| | -1.5m | kg | *18 840 | *18 840 | *25 280 | 21 490 | *19 250 | 13 910 | *15 070 | 10 240 | - | - | - | - | *13 470 | 9 230 | 8 132 |
| | -3.0m | kg | *29 180 | *29 180 | *22 630 | 21 770 | *17 440 | 14 080 | - | - | - | - | - | - | *13 600 | 10 960 | 7 231 |
| -4.5m | kg | - | - | *17 530 | *17 530 | - | - | - | - | - | - | - | - | *12 950 | *12 950 | 5 813 | |
| Boom : 6.5m Arm : 3.0m Shoe : 600mm CWT : 9 750kg | 7.5m | kg | - | - | - | - | - | - | *11 300 | *11 300 | - | - | - | - | *10 910 | 10 890 | 7 692 |
| | 6m | kg | - | - | - | - | - | - | *11 480 | 11 270 | - | - | - | - | *10 590 | 9 110 | 8 539 |
| | 4.5m | kg | - | - | *18 230 | *18 230 | *14 280 | *14 280 | *12 360 | 10 970 | *11 470 | 8 250 | - | - | *10 680 | 8 160 | 9 058 |
| | 3m | kg | - | - | *22 890 | 22 390 | *16 480 | 14 650 | *13 500 | 10 600 | *11 900 | 8 090 | - | - | *11 100 | 7 690 | 9 305 |
| | 1.5m | kg | - | - | *25 180 | 21 380 | *18 300 | 14 060 | *14 530 | 10 270 | 11 850 | 7 940 | - | - | 11 280 | 7 570 | 9 303 |
| | 0m | kg | - | - | *26 410 | 21 050 | *19 260 | 13 730 | *15 150 | 10 060 | 11 750 | 7 850 | - | - | 11 650 | 7 790 | 9 052 |
| | -1.5m | kg | *19 530 | *19 530 | *25 590 | 21 060 | *19 190 | 13 630 | *15 050 | 9 990 | - | - | - | - | 12 690 | 8 440 | 8 528 |
| | -3.0m | kg | *31 560 | *31 560 | *23 430 | 21 290 | *17 880 | 13 740 | *13 630 | 10 130 | - | - | - | - | *13 100 | 9 840 | 7 675 |
| -4.5m | kg | - | - | *19 220 | *19 220 | *14 300 | 14 140 | - | - | - | - | - | - | *13 000 | *13 000 | 6 359 | |
| Boom : 7.0m Arm : 2.55m Shoe : 600mm CWT : 9 750kg | 9m | kg | - | - | - | - | - | - | - | - | - | - | - | - | *11 860 | *11 860 | 6 619 |
| | 7.5m | kg | - | - | - | - | - | - | *11 320 | *11 320 | - | - | - | - | *11 440 | 10 460 | 7 886 |
| | 6m | kg | - | - | - | - | - | - | *13 060 | *13 060 | *11 700 | 11 220 | - | - | *11 360 | 8 830 | 8 714 |
| | 4.5m | kg | - | - | - | - | *15 150 | 15 080 | *12 670 | 10 890 | *11 500 | 8 290 | - | - | *11 450 | 7 970 | 9 223 |
| | 3m | kg | - | - | - | - | *17 330 | 14 390 | *13 820 | 10 540 | *11 980 | 8 130 | - | - | 11 140 | 7 540 | 9 466 |
| | 1.5m | kg | - | - | - | - | *18 870 | 13 910 | *14 770 | 10 240 | 11 870 | 7 980 | - | - | 11 040 | 7 440 | 9 464 |
| | 0m | kg | - | - | - | - | *19 450 | 13 700 | *15 270 | 10 070 | 11 780 | 7 900 | - | - | 11 400 | 7 660 | 9 217 |
| | -1.5m | kg | - | - | *24 720 | 21 230 | *19 090 | 13 680 | *15 100 | 10 040 | - | - | - | - | 12 390 | 8 290 | 8 703 |
| -3.0m | kg | *27 580 | *27 580 | *22 570 | 21 480 | *17 710 | 13 830 | *13 780 | 10 190 | - | - | - | - | *12 720 | 9 600 | 7 870 | |
| -4.5m | kg | - | - | *18 710 | *18 710 | *14 440 | 14 220 | - | - | - | - | - | - | *12 460 | *12 460 | 6 594 | |
| Boom : 7.0m Arm : 3.00m Shoe : 600mm CWT : 9 750kg | 9m | kg | - | - | - | - | - | - | - | - | - | - | - | - | *10 770 | *10 770 | 7 134 |
| | 7.5m | kg | - | - | - | - | - | - | *10 380 | *10 380 | - | - | - | - | *10 510 | 9 570 | 8 322 |
| | 6m | kg | - | - | - | - | - | - | *10 910 | *10 910 | *10 490 | 8 340 | - | - | *10 500 | 8 170 | 9 109 |
| | 4.5m | kg | - | - | *18 910 | *18 910 | *14 150 | *14 150 | *11 950 | 10 830 | *10 830 | 8 200 | - | - | *10 630 | 7 390 | 9 597 |
| | 3m | kg | - | - | - | - | *16 420 | 14 320 | *13 170 | 10 420 | *11 420 | 8 000 | - | - | 10 400 | 7 000 | 9 831 |
| | 1.5m | kg | - | - | - | - | *18 170 | 13 740 | *14 240 | 10 080 | 11 710 | 7 810 | - | - | 10 290 | 6 890 | 9 829 |
| | 0m | kg | - | - | *18 120 | *18 120 | *19 030 | 13 440 | *14 900 | 9 860 | 11 580 | 7 690 | - | - | 10 590 | 7 070 | 9 591 |
| | -1.5m | kg | *13 850 | *13 850 | *25 110 | 20 740 | *18 980 | 13 370 | *14 950 | 9 790 | 11 580 | 7 690 | - | - | 11 410 | 7 590 | 9 099 |
| -3.0m | kg | *25 800 | *25 800 | *23 270 | 20 970 | *17 960 | 13 480 | *14 100 | 9 880 | - | - | - | - | *12 180 | 8 670 | 8 306 | |
| -4.5m | kg | *25 880 | *25 880 | *19 960 | *19 960 | *15 450 | 13 800 | - | - | - | - | - | - | *12 260 | 10 960 | 7 111 | |
| Boom : 7.0m Arm : 3.35m Shoe : 600mm CWT : 9 750kg | 9m | kg | - | - | - | - | - | - | *10 300 | *10 300 | - | - | - | - | *10 360 | *10 360 | 7 583 |
| | 7.5m | kg | - | - | - | - | - | - | *10 010 | *10 010 | - | - | - | - | *9 800 | 9 100 | 8 709 |
| | 6m | kg | - | - | - | - | - | - | *10 630 | *10 630 | *10 190 | 8 580 | - | - | *9 600 | 7 880 | 9 463 |
| | 4.5m | kg | - | - | *17 950 | *17 950 | *13 760 | *13 760 | *11 740 | 11 080 | *10 670 | 8 420 | - | - | *9 680 | 7 200 | 9 933 |
| | 3m | kg | - | - | *22 870 | 22 280 | *16 130 | 14 680 | *13 040 | 10 680 | *11 350 | 8 210 | - | - | *10 010 | 6 840 | 10 159 |
| | 1.5m | kg | - | - | *15 840 | *15 840 | *18 080 | 14 080 | *14 210 | 10 330 | 11 910 | 8 010 | - | - | 9 970 | 6 740 | 10 158 |
| | 0m | kg | - | - | *19 420 | *19 420 | *19 170 | 13 730 | *15 010 | 10 090 | 11 750 | 7 870 | - | - | 10 230 | 6 890 | 9 928 |
| | -1.5m | kg | *14 040 | *14 040 | *25 880 | 21 010 | *19 340 | 13 610 | 15 210 | 9 980 | 11 700 | 7 820 | - | - | 10 950 | 7 350 | 9 454 |
| -3.0m | kg | *23 910 | *23 910 | *24 290 | 21 190 | *18 570 | 13 670 | *14 630 | 10 020 | - | - | - | - | *11 980 | 8 280 | 8 694 | |
| -4.5m | kg | *28 410 | *28 410 | *21 330 | *21 330 | *16 470 | 13 910 | *12 380 | 10 280 | - | - | - | - | *12 190 | 10 170 | 7 562 | |

SPECIFICATIONS.

LIFTING CAPACITY EC480DL, retractable undercarriage

| | | | 3.0m | | 4.5m | | 6.0m | | 7.5m | | 9.0m | | 10.5m | | 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 | Along UC | Across UC | mm |
| Boom : 7.0m Arm : 3.9m Shoe : 600mm CWT : 9 750kg | 9m | kg | - | - | - | - | - | - | - | - | - | - | - | - | *8 370 | *8 370 | 8 244 |
| | 7.5m | kg | - | - | - | - | - | - | - | - | *9 250 | 8 710 | - | - | *7 930 | *7 930 | 9 288 |
| | 6m | kg | - | - | - | - | - | - | *9 780 | *9 780 | *9 410 | 8 620 | - | - | *7 770 | 7 210 | 9 999 |
| | 4.5m | kg | - | - | - | - | *12 610 | *12 610 | *10 930 | *10 930 | *9 990 | 8 420 | - | - | *7 840 | 6 620 | 10 444 |
| | 3m | kg | - | - | *20 840 | *20 840 | *15 060 | 14 770 | *12 300 | 10 690 | *10 760 | 8 170 | 9 550 | 6 460 | *8 090 | 6 300 | 10 659 |
| | 1.5m | kg | - | - | *21 560 | 21 350 | *17 210 | 14 070 | *13 600 | 10 280 | *11 530 | 7 940 | 9 420 | 6 340 | *8 570 | 6 200 | 10 657 |
| | 0m | kg | - | - | *21 410 | 20 800 | *18 610 | 13 610 | *13 600 | 9 980 | 11 650 | 7 760 | - | - | *9 320 | 6 320 | 10 439 |
| | -1.5m | kg | *14 060 | *14 060 | *25 990 | 20 670 | *19 130 | 13 410 | *15 010 | 9 820 | 11 550 | 7 670 | - | - | 9 990 | 6 680 | 9 989 |
| | -3.0m | kg | *21 670 | *21 670 | *24 880 | 20 780 | *18 740 | 13 400 | *14 760 | 9 800 | 11 590 | 7 700 | - | - | 11 130 | 7 420 | 9 275 |
| | -4.5m | kg | *31 060 | *31 060 | *22 520 | 21 090 | *17 220 | 13 580 | *13 380 | 9 960 | - | - | - | - | *11 590 | 8 860 | 8 224 |
| -6m | kg | - | - | *18 130 | *18 130 | *13 640 | *13 640 | - | - | - | - | - | - | - | *11 580 | *11 580 | 6 678 |
| Boom : 7.0m Arm : 4.8m Shoe : 600mm CWT : 9 750kg | 9m | kg | - | - | - | - | - | - | - | - | *8 030 | *8 030 | - | - | *7 580 | *7 580 | 9 163 |
| | 7.5m | kg | - | - | - | - | - | - | - | - | *7 860 | *7 860 | - | - | *7 290 | 7 210 | 10 111 |
| | 6m | kg | - | - | - | - | - | - | - | - | *8 220 | *8 220 | *8 250 | 6 700 | *7 220 | 6 400 | 10 766 |
| | 4.5m | kg | - | - | - | - | - | - | *9 570 | *9 570 | *8 910 | 8 470 | *8 550 | 6 580 | *7 320 | 5 900 | 11 181 |
| | 3m | kg | - | - | *17 570 | *17 570 | *13 220 | *13 220 | *11 040 | 10 780 | *9 780 | 8 180 | *9 030 | 6 420 | *7 580 | 5 620 | 11 382 |
| | 1.5m | kg | - | - | *21 990 | 21 710 | *15 670 | 14 180 | *12 510 | 10 280 | *10 680 | 7 880 | 9 350 | 6 250 | *8 020 | 5 520 | 11 380 |
| | 0m | kg | - | - | *24 650 | 20 720 | *17 530 | 13 550 | *13 720 | 9 890 | *11 460 | 7 640 | 9 200 | 6 110 | 8 400 | 5 580 | 11 176 |
| | -1.5m | kg | *14 240 | *14 240 | *25 660 | 20 310 | *18 570 | 13 190 | *14 500 | 9 630 | 11 360 | 7 470 | 9 110 | 6 040 | 8 810 | 5 840 | 10 758 |
| | -3.0m | kg | *19 870 | *19 870 | *25 380 | 20 250 | *18 750 | 13 070 | *14 700 | 9 530 | 11 300 | 7 420 | - | - | 9 640 | 6 370 | 10 098 |
| | -4.5m | kg | *27 230 | *27 230 | *23 910 | 20 450 | *17 970 | 13 140 | *14 090 | 9 580 | *11 110 | 7 520 | - | - | *10 820 | 7 370 | 9 145 |
| -6m | kg | *29 270 | *29 270 | *20 870 | *20 870 | *15 820 | 13 430 | *12 010 | 9 850 | - | - | - | - | - | *11 290 | 9 380 | 7 787 |

LIFTING CAPACITY EC380DLR

| | | | 4.5m | | 6.0m | | 7.5m | | 9.0m | | 10.5m | | 12.0m | | 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 | Along UC | Across UC | mm |
| Boom : 8.5m Arm : 5.0m Shoe : 800mm CWT : 8 500kg | 10.5m | kg | - | - | - | - | - | - | - | - | - | - | - | - | *5 170 | *5 170 | 10 111 |
| | 9.0m | kg | - | - | - | - | - | - | - | - | *5 440 | *5 440 | - | - | *4 920 | 4 830 | 11 195 |
| | 7.5m | kg | - | - | - | - | - | - | - | - | *5 520 | 5 440 | - | - | *4 790 | 4 210 | 11 995 |
| | 6.0m | kg | - | - | - | - | - | - | *6 050 | *6 050 | *5 830 | 5 310 | *5 770 | 4 170 | *4 770 | 3 810 | 12 564 |
| | 4.5m | kg | - | - | - | - | *7 610 | *7 610 | *6 780 | 6 550 | *6 280 | 5 120 | *6 010 | 4 080 | *4 830 | 3 540 | 12 934 |
| | 3.0m | kg | - | - | *11 240 | 11 120 | *8 910 | 8 120 | *7 610 | 6 230 | *6 820 | 4 920 | 6 160 | 3 960 | *4 970 | 3 380 | 13 122 |
| | 1.5m | kg | - | - | *13 190 | 10 330 | *10 150 | 7 640 | *8 430 | 5 920 | *7 370 | 4 730 | 6 040 | 3 840 | *5 200 | 3 310 | 13 135 |
| | 0m | kg | - | - | *14 550 | 9 830 | *11 150 | 7 280 | 9 000 | 5 680 | 7 200 | 4 560 | 5 930 | 3 740 | 5 290 | 3 320 | 12 974 |
| | -1.5m | kg | *9 860 | *9 860 | *15 280 | 9 580 | 11 460 | 7 050 | 8 810 | 5 510 | 7 080 | 4 450 | 5 860 | 3 680 | 5 460 | 3 420 | 12 633 |
| | -3.0m | kg | *13 220 | *13 220 | *15 500 | 9 500 | 11 350 | 6 950 | 8 720 | 5 420 | 7 020 | 4 390 | 5 860 | 3 680 | 5 800 | 3 640 | 12 096 |
| | -4.5m | kg | *17 640 | 14 850 | *15 250 | 9 560 | 11 360 | 6 960 | 8 720 | 5 420 | 7 050 | 4 420 | - | - | 6 380 | 4 020 | 11 335 |
| | -6.0m | kg | *18 830 | 15 160 | *14 470 | 9 730 | 11 490 | 7 070 | 8 830 | 5 520 | - | - | - | - | 7 380 | 4 670 | 10 300 |
| | -7.5m | kg | *16 650 | 15 630 | *12 950 | 10 040 | *10 300 | 7 320 | - | - | - | - | - | - | *8 130 | 5 880 | 8 893 |
| -9.0m | kg | *12 990 | *12 990 | *9 990 | *9 990 | - | - | - | - | - | - | - | - | *8 310 | *8 310 | 6 889 | |

LIFTING CAPACITY EC480DLR, fixed undercarriage

| | | | 6.0m | | 7.5m | | 9.0m | | 10.5m | | 12.0m | | 13.5m | | 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 | Along UC | Across UC | mm |
| Boom : 9.0m Arm : 6.0m Shoe : 800mm CWT : 10 300kg | 12.0m | kg | - | - | - | - | - | - | - | - | - | - | - | - | *5 190 | *5 190 | 11 167 |
| | 10.5m | kg | - | - | - | - | - | - | - | - | *5 340 | *5 340 | - | - | *4 830 | *4 830 | 12 330 |
| | 9.0m | kg | - | - | - | - | - | - | - | - | *5 180 | *5 180 | - | - | *4 610 | 4 420 | 13 221 |
| | 7.5m | kg | - | - | - | - | - | - | - | - | *5 290 | *5 290 | *5 440 | 4 240 | *4 490 | 3 960 | 13 892 |
| | 6.0m | kg | - | - | - | - | - | - | - | - | *5 560 | 5 260 | *5 520 | 4 190 | *4 440 | 3 640 | 14 374 |
| | 4.5m | kg | - | - | - | - | - | - | *6 300 | *6 300 | *5 940 | 5 080 | *5 740 | 4 090 | *4 450 | 3 430 | 14 686 |
| | 3.0m | kg | *11 680 | *11 680 | *9 230 | *9 230 | *7 830 | 7 670 | *6 950 | 6 050 | *6 380 | 4 870 | *6 020 | 3 960 | *4 520 | 3 290 | 14 839 |
| | 1.5m | kg | *13 930 | 12 590 | *10 660 | 9 310 | *8 790 | 7 210 | *7 610 | 5 750 | *6 840 | 4 670 | 6 300 | 3 830 | *4 660 | 3 230 | 14 837 |
| | 0m | kg | *15 600 | 11 810 | *11 860 | 8 760 | *9 640 | 6 830 | *8 220 | 5 490 | *7 270 | 4 490 | 6 180 | 3 720 | *4 870 | 3 240 | 14 682 |
| | -1.5m | kg | *16 620 | 11 370 | *12 720 | 8 390 | *10 310 | 6 560 | *8 730 | 5 290 | 7 240 | 4 350 | 6 100 | 3 650 | *5 170 | 3 330 | 14 367 |
| | -3.0m | kg | *17 090 | 11 190 | *13 240 | 8 200 | *10 750 | 6 390 | 8 630 | 5 160 | 7 150 | 4 270 | 6 080 | 3 620 | *5 580 | 3 500 | 13 883 |
| | -4.5m | kg | *17 080 | 11 180 | *13 400 | 8 140 | 10 680 | 6 320 | 8 590 | 5 120 | 7 140 | 4 270 | - | - | *6 190 | 3 790 | 13 209 |
| | -6.0m | kg | *16 590 | 11 320 | *13 160 | 8 210 | 10 730 | 6 370 | 8 640 | 5 170 | 7 260 | 4 370 | - | - | 7 050 | 4 260 | 12 314 |
| -7.5m | kg | *15 510 | 11 600 | *12 400 | 8 400 | *10 120 | 6 540 | *8 210 | 5 360 | - | - | - | - | *7 300 | 5 030 | 11 145 | |
| -9.0m | kg | *13 580 | 12 060 | *10 810 | 8 770 | *8 470 | 6 900 | - | - | - | - | - | - | *7 390 | 6 420 | 9 601 | |

LIFTING CAPACITY EC480DLR, retractable undercarriage

| | | | 6.0m | | 7.5m | | 9.0m | | 10.5m | | 12.0m | | 13.5m | | 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 | Along UC | Across UC | mm |
| Boom : 9.0m Arm : 6.0m Shoe : 800mm CWT : 10 300kg | 12.0m | kg | - | - | - | - | - | - | - | - | - | - | - | - | *5 190 | *5 190 | 11 167 |
| | 10.5m | kg | - | - | - | - | - | - | - | - | *5 340 | *5 340 | - | - | *4 830 | *4 830 | 12 330 |
| | 9.0m | kg | - | - | - | - | - | - | - | - | *5 180 | *5 180 | - | - | *4 610 | *4 610 | 13 221 |
| | 7.5m | kg | - | - | - | - | - | - | - | - | *5 290 | *5 290 | *5 440 | 4 560 | *4 490 | 4 260 | 13 892 |
| | 6.0m | kg | - | - | - | - | - | - | - | - | *5 560 | *5 560 | *5 520 | 4 510 | *4 440 | 3 930 | 14 374 |
| | 4.5m | kg | - | - | - | - | - | - | *6 300 | *6 300 | *5 940 | 5 440 | *5 740 | 4 400 | *4 450 | 3 710 | 14 686 |
| | 3.0m | kg | *11 680 | *11 680 | *9 230 | *9 230 | *7 830 | *7 830 | *6 950 | 6 490 | *6 380 | 5 240 | *6 020 | 4 270 | *4 520 | 3 570 | 14 839 |
| | 1.5m | kg | *13 930 | 13 580 | *10 660 | 10 010 | *8 790 | 7 750 | *7 610 | 6 180 | *6 840 | 5 030 | *6 320 | 4 150 | *4 660 | 3 510 | 14 837 |
| | 0m | kg | *15 600 | 12 780 | *11 860 | 9 450 | *9 640 | 7 360 | *8 220 | 5 920 | *7 270 | 4 850 | 6 290 | 4 040 | *4 870 | 3 520 | 14 682 |
| | -1.5m | kg | *16 620 | 12 340 | *12 720 | 9 080 | *10 310 | 7 080 | *8 730 | 5 720 | 7 360 | 4 720 | 6 210 | 3 960 | *5 170 | 3 610 | 14 367 |
| | -3.0m | kg | *17 090 | 12 150 | *13 240 | 8 880 | *10 760 | 6 910 | 8 770 | 5 590 | 7 270 | 4 640 | 6 180 | 3 940 | *5 580 | 3 800 | 13 883 |
| | -4.5m | kg | *17 080 | 12 150 | *13 400 | 8 820 | 10 850 | 6 850 | 8 730 | 5 550 | 7 260 | 4 630 | - | - | *6 190 | 4 110 | 13 209 |
| | -6.0m | kg | *16 590 | 12 290 | *13 160 | 8 890 | *10 770 | 6 900 | 8 780 | 5 600 | 7 380 | 4 740 | - | - | *7 090 | 4 610 | 12 314 |
| -7.5m | kg | *15 510 | 12 570 | *12 400 | 9 090 | *10 120 | 7 060 | *8 210 | 5 790 | - | - | - | - | *7 300 | 5 430 | 11 145 | |
| -9.0m | kg | *13 580 | 13 040 | *10 810 | 9 460 | *8 470 | 7 440 | - | - | - | - | - | - | *7 390 | 6 910 | 9 601 | |

EQUIPMENT.

STANDARD EQUIPMENT

| | EC380D | EC480D |
|--|--------|--------|
| Engine | | |
| Turbocharged, 4 stroke diesel engine with water cooling, direct injection and charged air cooler | • | • |
| Air filter with indicator | • | • |
| Air intake heater | • | • |
| Cyclone pre-cleaner | • | • |
| Electric engine shut-off | • | • |
| Fuel filter and water separator | • | • |
| 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 | • | • |
| High-capacity halogen lights: | • | • |
| - Frame-mounted 2 | • | • |
| - Boom-mounted 2 | • | • |
| Batteries, 2 x 12 V / 200 Ah | • | • |
| Start motor, 24 V / 7 kW | • | • |
| Hydraulic system | | |
| Automatic sensing hydraulic system | • | • |
| - Summation system | • | • |
| - Boom priority | • | • |
| - Arm priority | • | • |
| - Swing priority | • | • |
| "ECO" mode fuel saving technology | • | • |
| Boom and arm 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 | • | • |
| Frame | | |
| Access way with handrail | • | • |
| Tool storage area | • | • |
| Punched metal anti-slip plates | • | • |
| Under cover | • | • |
| Cab and interior | | |
| Silicon oil and rubber mounts with spring | • | • |
| Adjustable operator seat with heater and joystick control console | • | • |
| Control joysticks with 4 switches each | • | • |
| Heater & air-conditioner, automatic | • | • |
| Flexible antenna | • | • |
| AM/FM stereo with CD player, MP3 and USB input | • | • |
| Hydraulic safety lock lever | • | • |
| Cab, all-weather sound suppressed, includes: | | |

| | EC380D | EC480D |
|--|--------|--------|
| - 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 | • | • |
| - Windshield wiper with intermittent feature | • | • |
| Master key | • | • |
| Undercarriage | | |
| Under cover (heavy duty) | • | • |
| Hydraulic track adjusters | • | • |
| Greased and sealed track link | • | • |
| Track Guard | • | • |

OPTIONAL EQUIPMENT

| | EC380D | EC480D |
|---|--------|--------|
| Engine | | |
| Block heater: 240 V | • | • |
| Oil bath pre-cleaner | • | • |
| Diesel coolant heater, 5 kW | • | • |
| Water separator with heater | • | • |
| Extra water separator | | |
| Auto engine shutdown | • | • |
| Fuel filler pump, 35 lpm, 50 lpm with automatic shut-off | • | • |
| Electric | | |
| Extra lights : | | |
| - Cab-mounted 3 (front 2, rear 1) | • | • |
| - Boom-mounted 2 | • | • |
| - Counterweight-mounted 1 | • | • |
| Travel alarm | • | • |
| Anti-theft system | • | • |
| Rotating warning beacon | • | • |
| Hydraulic system | | |
| Hose rupture valve: boom, arm | • | • |
| Overload warning device | • | • |
| Boom float function with HRV | • | • |
| Boom float function without HRV | • | • |
| Hydraulic piping: | | |
| - Work tool management system (up to 20 programmable memories)" | • | • |
| - Hammer & shear, 1 and 2 pump flow | • | • |
| - Hammer & shear: variable flow and pressure pre-setting" | • | • |
| - Additional return filter | • | • |
| - Slope & rotator | • | • |
| - Grapple | • | • |
| - Oil leak (drain) line | • | • |
| - Quick coupler piping | • | • |
| Volvo hydraulic quick coupler S3, U46 | • | • |
| Hydraulic oil, ISO VG 32, 68 | • | • |

OPTIONAL EQUIPMENT

| | EC380D | EC480D |
|--|--------|--------|
| Hydraulic oil, biodegradable 46 | • | • |
| Hydraulic oil, longlife oil 32, 46, 68 | • | • |
| Cab and interior | | |
| ROPS (ISO12117-2) certified cab | • | • |
| Fabric seat without heater | • | • |
| Fabric seat with heater and air suspension | • | • |
| Control joysticks with semi-long | • | • |
| Control joysticks with 3 switch & 1 propotional | • | • |
| Opening top hatch | • | • |
| Falling object guard (FOG) | | |
| - Frame-mounted | • | • |
| - Cab-mounted | • | • |
| Cab-mounted falling object protective structure (FOPS) | • | • |
| Smoker kit (ashtray and lighter) | • | • |
| Safety net for front window | • | • |
| Sunlight protection, roof (steel) | • | • |
| Lower wiper with intermittent control | • | • |
| Rear view camera | • | • |
| Specific key | • | • |
| Frame | | |
| Walk way | • | • |
| Rear view mirror on CWT | • | • |
| Cabin entrance | • | • |
| Full height counterweight: | | |
| 6 500kg, 7 000kg, 7 550kg | • | |
| 8 500kg for long reach | • | |
| 8 450kg, 9 050kg, 9 750kg | | • |
| 10 300kg for long reach | | • |
| Undercarriage | | |
| Full track guard | • | • |
| Mechanically retractable track gauge | | • |
| Track shoes | | |
| 600/700/800/900mm with triple grousers | • | • |
| Track shoes 600mm HD with triple grousers | • | |
| Track shoes 600mm with double grousers | • | • |
| Digging equipment | | |
| Boom: 6.2m, 6.45m monoblock / 8.5m long reachJ' | • | |
| Arm: 2.6m, 3.2m, 3.9m / 5.0m long reach | • | |
| Boom: 6.5m, 7.0m monoblock / 9.0m long reach | | • |
| Arm: 2.55m, 3.0m, 3.35m, 3.9m, 4.8m / 6.0m long reach | | • |
| Linkage with lifting eye | • | • |
| Service | | |
| Tool kit, daily maintenance | • | • |
| Tool kit, full scale | • | • |

SELECTION OF VOLVO OPTIONAL EQUIPMENT

Boom float



Hammer & shear:
variable flow and pressure
pre-setting



FOG



Audio system



Rear view camera



Extra worklights



VOLVO CONSTRUCTION EQUIPMENT

Volvo Construction Equipment is different. Our machines are designed, built and supported in a different way. That difference comes from an engineering heritage of over 180 years. A heritage of thinking first about the people who actually use the machines. About how to help them be safer, more comfortable, more productive. About the environment we all share. The result of that thinking is a growing range of machines and a global support network dedicated to helping you do more. People around the world are proud to use Volvo.

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

VOLVO

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