

V O L V O



Volvo Excavators 48.1 - 52.8 t / 106,110-116,400 lb 428 hp

EC500 HYBRID

Volvo Construction Equipment

EC500 HYBRID

A popular machine across the globe now comes
in a bigger size with more power.



Get a new edge with more power

Used on mining sites, in quarries and on heavy construction sites across the globe, EC500 is one of Volvo's most popular machines made bigger. The powerful and efficient EC500 boasts up to 15% in improved fuel efficiency and a lower Total Cost of Ownership. Now even easier to service and with a comfortable modern cab, it is a machine that meets the requirements of everyone from owner to operator



Operator comfort

- More precise controls
- Quieter cab
- Personalized settings for greater comfort
- ROPS cab as standard



Smart View with Obstacle Detection

- Increased safety onsite and for the operator
- Radar warns for items outside the screen
- HD screen
- Human identifying alarm separate from other obstacles



Serviceability

- Ground level access for service
- Long service intervals
- Grouped filters and lubrication points
- Quick and easy oil changes



Fuel Efficiency

- Up to 17% improvement
- Powerful and efficiency Volvo engine
- 3% lower engine RPM
- 5% hydraulic system improvement



Productivity

- Volvo Active Control
- Dig Assist with On-Board Weighing
- Electro-hydraulic system
- Boom/Swing & Boom/Travel priority functions

Volvo EC500 Hybrid 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, high pressure fuel injectors, turbo charger and intercooler, and electronic engine controls to optimize machine performance.

Air Filter: 3-stage and 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 | Volvo D13J |
|----------------------------|----------------------|---------------|
| Max power at | r/min (r/s) | 1,600 (27) |
| Net, ISO 9249/SAE J1349 | kW (hp) | 311 (417) |
| Gross, ISO 14396/SAE J1995 | kW (hp) | 312 (418) |
| Max torque | Nm (ft lbf) | 2,070 (1,527) |
| at engine speed | r/min (r/s) | 1,300 (22) |
| No. of cylinders | | 6 |
| Displacement | l (in ³) | 12.8 (781) |
| Bore | mm (in) | 131 (5.16) |
| Stroke | mm (in) | 158 (6.22) |

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 V / 180 A |

Hybrid

The uncomplicated and reliable hybrid solution, Volvo's novel hydraulic hybrid harvests 'free' energy generated by the down motion of the excavator's boom and uses it to supercharge the engine system.

The powerful and regular boom-down motions charge 32 litre hydraulic accumulators (8.5 gallon), which then deliver energy to drive hydraulic assist motors that help power the engine system. There are the same levels of controllability and performance as the standard EC500F, including the ability to work in ECO mode and Hybrid mode simultaneously.

Accumulator

| | | |
|--------------------|---------|----------|
| No. of accumulator | | 1 |
| Displacement | l (gal) | 32 (8.5) |

Undercarriage and structures

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

Fixed undercarriage

| | | |
|---------------------------------|---------|--|
| Track shoe | | 2 x 52 |
| Link pitch | mm (in) | 216 (8.5) |
| Shoe width, triple grouser | mm (in) | 600 / 700 / 800 / 900 (24 / 28 / 32 / 36) |
| Shoe width, triple grouser (HD) | mm (in) | 600 (HD) (24 (HD)) |
| Shoe width, double grouser | mm (in) | 600 (24) |
| Bottom rollers | | 2 x 9 |
| Top rollers | | 2 x 2 |

Retractable undercarriage

| | | |
|---------------------------------|---------|--|
| Track shoe | | 2 x 52 |
| Link pitch | mm (in) | 216 (8.5) |
| Shoe width, triple grouser | mm (in) | 600 / 700 / 800 / 900 (24 / 28 / 32 / 36) |
| Shoe width, triple grouser (HD) | mm (in) | 600 (HD) (24 (HD)) |
| Shoe width, double grouser | mm (in) | 600 (24) |
| Bottom rollers | | 2 x 9 |
| Top rollers | | 2 x 3 |

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 | 9.3 |
| Max. slew torque | kNm (ft lbf) | 166 (122,435) |

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 (lbf) | 333 (74,970) |
| Max. travel speed (low) | km/h (mi/h) | 3.1 (1.9) |
| Max. travel speed (high) | km/h (mi/h) | 5.1 (3.2) |
| Gradeability | ° | 35 |

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 9 vents.

Ergonomic operator's seat: The adjustable seat and joystick console move independently to accommodate the operator. The seat has nine different adjustments plus a seat belt for the operator's comfort and safety.

Sound Level

Sound level in cab according to ISO 6396

| | | |
|--|----|-----|
| L _{pA} | dB | 71 |
| External sound level according to ISO 6395 and EU Directive 2000/14/EC | | |
| L _{WA} | dB | 107 |

Service Refill

| | | |
|-------------------------|---------|-------------------|
| Fuel tank | l (gal) | 640 (169) |
| DEF/AdBlue® tank | l (gal) | 45 (12) |
| Hydraulic system, total | l (gal) | 480 (127) |
| Hydraulic tank | l (gal) | 235 (62) |
| Engine oil | l (gal) | 55 (15) |
| Engine coolant | l (gal) | 60 (16) |
| Slew reduction unit | l (gal) | 2 x 8.8 (2 x 2.3) |
| Travel reduction unit | l (gal) | 2 x 8.0 (2 x 2.1) |

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.

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

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: 2 x Variable displacement axial piston pumps

| | | |
|--------------|-----------------|------------------|
| Maximum flow | l/min (gal/min) | 2 x 376 (2 x 99) |
|--------------|-----------------|------------------|

Pilot pump: Gear pump

| | | |
|--------------|-----------------|------------------|
| Maximum flow | l/min (gal/min) | 1 x 34 (1 x 9.0) |
|--------------|-----------------|------------------|

Max. pressure

| | | |
|----------------|-----------|--------------------------------|
| Implement | MPa (psi) | 32.4 / 35.3 (4,690 / 5,120) |
| Travel circuit | MPa (psi) | 32.4 (4,690) |
| Slew circuit | MPa (psi) | 25.8 (3,740) |
| Pilot circuit | MPa (psi) | 3.9 (570) |

Hydraulic Motors

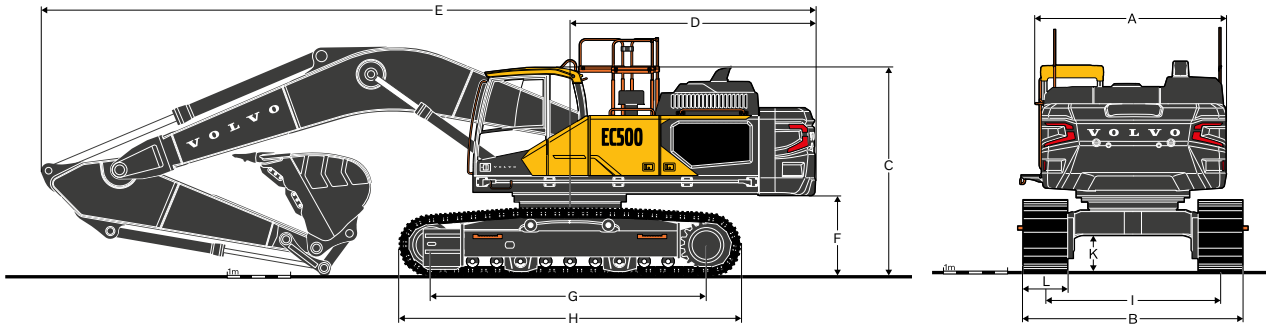
Travel: Variable displacement axial piston motor with mechanical brake

Swing: Fixed displacement piston motor with mechanical brake

Hydraulic Cylinders

| | | |
|--------------------|-----------------|-----------------------------|
| Boom | | 2.00 |
| Bore x Stroke | ø x mm (ø x in) | 165 x 1 590 (6.5 x 62.6) |
| Arm | | 1.00 |
| Bore x Stroke | ø x mm (ø x in) | 190 x 1 850 (7.5 x 72.8) |
| Bucket | | 1.00 |
| Bore x Stroke | ø x mm (ø x in) | 165 x 1 335 (6.5 x 52.6) |
| ME Bucket | | 1.00 |
| Bore x Stroke | ø x mm (ø x in) | 175 x 1 335 (6.9 x 52.6) |
| Bucket for LR boom | | 1.00 |
| Bore x Stroke | ø x mm (ø x in) | 140 x 1 140 (5.5 x 44.9) |

Specifications

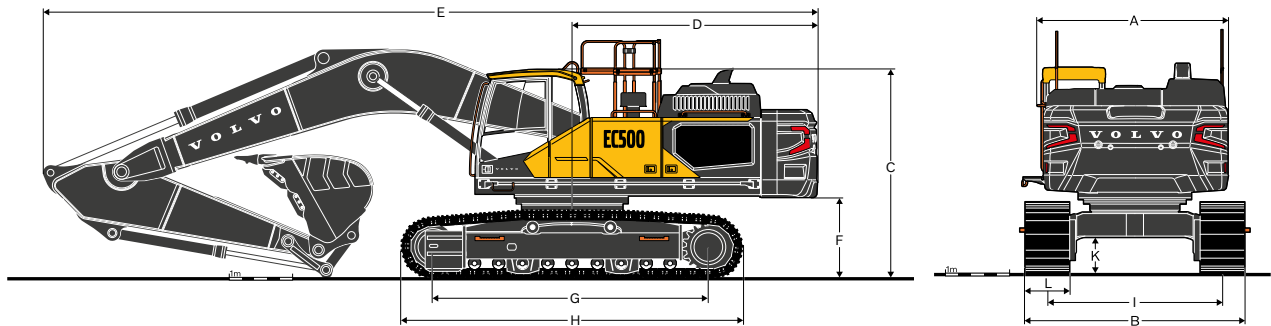


DIMENSIONS

| Description | Unit | | EC500F Fixed Lower frame | | | | | | | |
|--|------|-------|--------------------------|--------|--------|--------|--------|--------|--------|--------|
| | | | 7.0 m (23'0") | | | | | | | |
| | | | 2.55 m | 8'4" | 3.0 m | 9'10" | 3.35 m | 11'0" | 3.9 m | 12'10" |
| Boom | | | | | | | | | | |
| Arm | | | | | | | | | | |
| A. Overall width of superstructure | | | | | | | | | | |
| with walkway, handrail | mm | ft in | 3,450 | 11'4" | 3,450 | 11'4" | 3,450 | 11'4" | 3,450 | 11'4" |
| without walkway, handrail | mm | ft in | 2,990 | 9'10" | 2,990 | 9'10" | 2,990 | 9'10" | 2,990 | 9'10" |
| B. Overall width of undercarriage ** | | | | | | | | | | |
| 600 mm (24 in) shoes | mm | ft in | 3,340 | 10'11" | 3,340 | 10'11" | 3,340 | 10'11" | 3,340 | 10'11" |
| 700 mm (28 in) shoes | mm | ft in | 3,440 | 11'3" | 3,440 | 11'3" | 3,440 | 11'3" | 3,440 | 11'3" |
| 800 (32 in) mm shoes | mm | ft in | 3,540 | 11'7" | 3,540 | 11'7" | 3,540 | 11'7" | 3,540 | 11'7" |
| 900 mm (36 in) shoes | mm | ft in | 3,640 | 11'11" | 3,640 | 11'11" | 3,640 | 11'11" | 3,640 | 11'11" |
| C. Overall height of | | | | | | | | | | |
| Cab | mm | ft in | 3,300 | 10'10" | 3,300 | 10'10" | 3,300 | 10'10" | 3,300 | 10'10" |
| FOG | mm | ft in | 3,390 | 11'1" | 3,390 | 11'1" | 3,390 | 11'1" | 3,390 | 11'1" |
| Engine hood | mm | ft in | 3,060 | 10'0" | 3,060 | 10'0" | 3,060 | 10'0" | 3,060 | 10'0" |
| Guardrail, unfolded | mm | ft in | 3,640 | 11'11" | 3,640 | 11'11" | 3,640 | 11'11" | 3,640 | 11'11" |
| Guardrail, folded | mm | ft in | 3,160 | 10'4" | 3,160 | 10'4" | 3,160 | 10'4" | 3,160 | 10'4" |
| Handrail, unfolded | mm | ft in | 3,400 | 11'2" | 3,400 | 11'2" | 3,400 | 11'2" | 3,400 | 11'2" |
| Handrail, folded | mm | ft in | 3,160 | 10'4" | 3,160 | 10'4" | 3,160 | 10'4" | 3,160 | 10'4" |
| With Boom/Arm/Bucket (with hydraulic hoses) | mm | ft in | 4,270 | 14'0" | 4,020 | 13'2" | 3,830 | 12'7" | 3,910 | 12'10" |
| With Boom/Arm (with hydraulic hoses) | mm | ft in | 3,690 | 12'1" | 3,770 | 12'4" | 3,830 | 12'7" | 3,910 | 12'10" |
| With Boom (with hydraulic hoses) | mm | ft in | 3,150 | 10'4" | 3,150 | 10'4" | 3,150 | 10'4" | 3,150 | 10'4" |
| D. Tail swing radius | mm | ft in | 3,880 | 12'9" | 3,880 | 12'9" | 3,880 | 12'9" | 3,880 | 12'9" |
| E. Overall length | | | | | | | | | | |
| With Boom/Arm/Bucket | mm | ft in | 12,280 | 40'3" | 12,220 | 40'1" | 12,220 | 40'1" | 12,220 | 40'1" |
| With Boom/Arm | mm | ft in | 12,170 | 39'11" | 12,200 | 40'0" | 12,220 | 40'1" | 12,220 | 40'1" |
| With Boom | mm | ft in | 10,850 | 35'7" | 10,850 | 35'7" | 10,850 | 35'7" | 10,850 | 35'7" |
| F. Counterweight clearance without shoe grouser *** | mm | ft in | 1,210 | 4'0" | 1,210 | 4'0" | 1,210 | 4'0" | 1,210 | 4'0" |
| G. Tumbler length | mm | ft in | 4,380 | 14'4" | 4,380 | 14'4" | 4,380 | 14'4" | 4,380 | 14'4" |
| H. Track length | mm | ft in | 5,380 | 17'8" | 5,380 | 17'8" | 5,380 | 17'8" | 5,380 | 17'8" |
| I. Track gauge | mm | ft in | 2,740 | 9'0" | 2,740 | 9'0" | 2,740 | 9'0" | 2,740 | 9'0" |
| K. Min. ground clearance *** | mm | ft in | 475 | 1'7" | 475 | 1'7" | 475 | 1'7" | 475 | 1'7" |

** Shoe end to end

*** Without shoe grouser



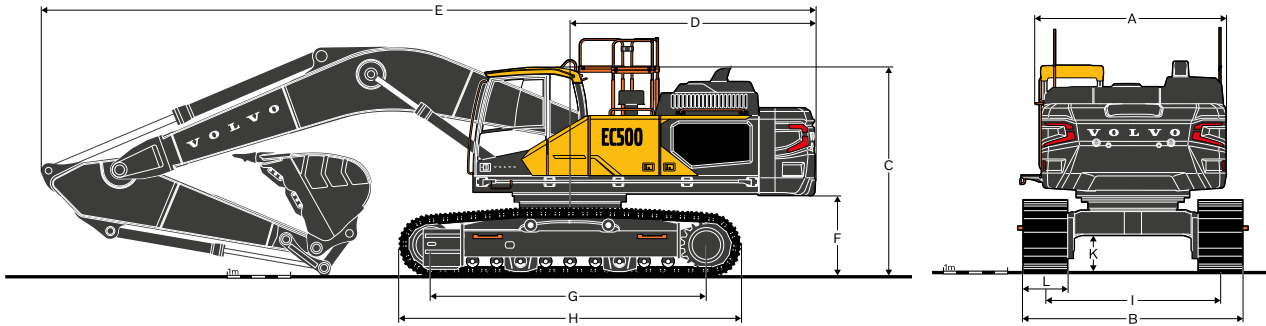
DIMENSIONS

| Description | Unit | | EC500F Fixed Lower frame | | | | | | | |
|--|------|-------|--------------------------|--------|---------------|--------|-------------|--------|--------|--------|
| | | | 6.5 m (21'4") | | 7.4 m (24'3") | | 9 m (29'6") | | | |
| | | | 2.55 m | 8'4" | 3.0 m | 9'10" | 4.3 m | 14'1" | 6.0 m | 19'8" |
| Boom | | | | | | | | | | |
| Arm | | | | | | | | | | |
| A. Overall width of superstructure | | | | | | | | | | |
| with walkway, handrail | mm | ft in | 3,450 | 11'4" | 3,450 | 11'4" | 3,450 | 11'4" | 3,450 | 11'4" |
| without walkway, handrail | mm | ft in | 2,990 | 9'10" | 2,990 | 9'10" | 2,990 | 9'10" | 2,990 | 9'10" |
| B. Overall width of undercarriage ** | | | | | | | | | | |
| 600 mm (24 in) shoes | mm | ft in | 3,340 | 10'11" | 3,340 | 10'11" | 3,340 | 10'11" | 3,340 | 10'11" |
| 700 mm (28 in) shoes | mm | ft in | 3,440 | 11'3" | 3,440 | 11'3" | 3,440 | 11'3" | 3,440 | 11'3" |
| 800 (32 in) mm shoes | mm | ft in | 3,540 | 11'7" | 3,540 | 11'7" | 3,540 | 11'7" | 3,540 | 11'7" |
| 900 mm (36 in) shoes | mm | ft in | 3,640 | 11'11" | 3,640 | 11'11" | 3,640 | 11'11" | 3,640 | 11'11" |
| C. Overall height of | | | | | | | | | | |
| Cab | mm | ft in | 3,300 | 10'10" | 3,300 | 10'10" | 3,300 | 10'10" | 3,300 | 10'10" |
| FOG | mm | ft in | 3,390 | 11'1" | 3,390 | 11'1" | 3,390 | 11'1" | 3,390 | 11'1" |
| Engine hood | mm | ft in | 3,060 | 10'0" | 3,060 | 10'0" | 3,060 | 10'0" | 3,060 | 10'0" |
| Guardrail, unfolded | mm | ft in | 3,640 | 11'11" | 3,640 | 11'11" | 3,640 | 11'11" | 3,640 | 11'11" |
| Guardrail, folded | mm | ft in | 3,160 | 10'4" | 3,160 | 10'4" | 3,160 | 10'4" | 3,160 | 10'4" |
| Handrail, unfolded | mm | ft in | 3,400 | 11'2" | 3,400 | 11'2" | 3,400 | 11'2" | 3,400 | 11'2" |
| Handrail, folded | mm | ft in | 3,160 | 10'4" | 3,160 | 10'4" | 3,160 | 10'4" | 3,160 | 10'4" |
| With Boom/Arm/Bucket (with hydraulic hoses) | mm | ft in | 4,270 | 14'0" | 4,100 | 13'5" | 3,650 | 12'0" | 5,640 | 18'6" |
| With Boom/Arm (with hydraulic hoses) | mm | ft in | 3,710 | 12'2" | 3,780 | 12'5" | 3,650 | 12'0" | 5,640 | 18'6" |
| With Boom (with hydraulic hoses) | mm | ft in | 3,170 | 10'5" | 3,170 | 10'5" | 2,940 | 9'8" | 3,380 | 11'1" |
| D. Tail swing radius | mm | ft in | 3,880 | 12'9" | 3,880 | 12'9" | 3,880 | 12'9" | 3,880 | 12'9" |
| E. Overall length | | | | | | | | | | |
| With Boom/Arm/Bucket | mm | ft in | 11,780 | 38'8" | 11,720 | 38'5" | 12,660 | 41'6" | 13,700 | 44'11" |
| With Boom/Arm | mm | ft in | 11,570 | 38'0" | 11,670 | 38'3" | 12,660 | 41'6" | 13,700 | 44'11" |
| With Boom | mm | ft in | 10,330 | 33'11" | 10,330 | 33'11" | 11,270 | 37'0" | 12,930 | 42'5" |
| F. Counterweight clearance without shoe grouser *** | mm | ft in | 1,210 | 4'0" | 1,210 | 4'0" | 1,210 | 4'0" | 1,210 | 4'0" |
| G. Tumbler length | mm | ft in | 4,380 | 14'4" | 4,380 | 14'4" | 4,380 | 14'4" | 4,380 | 14'4" |
| H. Track length | mm | ft in | 5,380 | 17'8" | 5,380 | 17'8" | 5,380 | 17'8" | 5,380 | 17'8" |
| I. Track gauge | mm | ft in | 2,740 | 9'0" | 2,740 | 9'0" | 2,740 | 9'0" | 2,740 | 9'0" |
| K. Min. ground clearance *** | mm | ft in | 475 | 1'7" | 475 | 1'7" | 475 | 1'7" | 475 | 1'7" |

** Shoe end to end

*** Without shoe grouser

Specifications

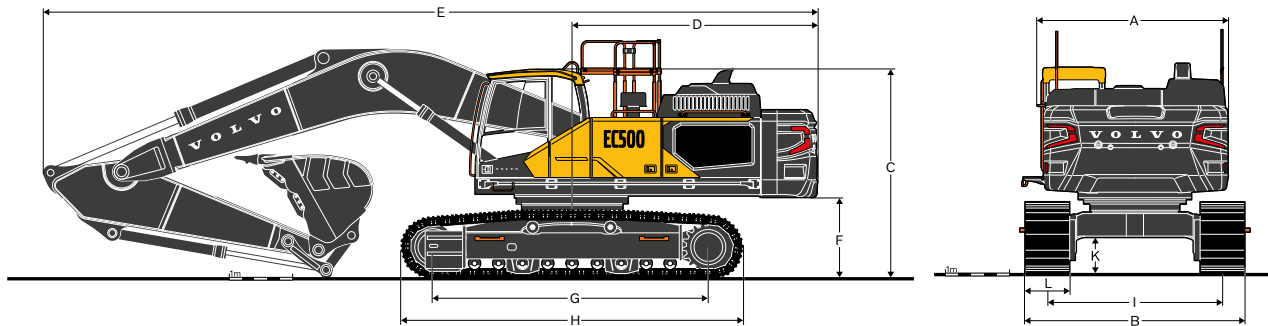


DIMENSIONS

| Description | Unit | | EC500F Retractable Lower frame | | | | | | | |
|--|------|-------|--------------------------------|--------|--------|--------|--------|--------|--------|--------|
| | | | 7.0 m (23'0") | | | | | | | |
| Boom | | | 2.55 m | 8'4" | 3.0 m | 9'10" | 3.35 m | 11'0" | 3.9 m | 12'10" |
| Arm | | | | | | | | | | |
| A. Overall width of superstructure | | | | | | | | | | |
| with walkway | mm | ft in | 3,450 | 11'4" | 3,450 | 11'4" | 3,450 | 11'4" | 3,450 | 11'4" |
| without walkway | mm | ft in | 2,990 | 9'10" | 2,990 | 9'10" | 2,990 | 9'10" | 2,990 | 9'10" |
| B. Overall width of undercarriage ** | | | | | | | | | | |
| Retracted | | | | | | | | | | |
| 600 mm (24 in) shoes | mm | ft in | 2,990 | 9'10" | 2,990 | 9'10" | 2,990 | 9'10" | 2,990 | 9'10" |
| 700 mm (28 in) shoes | mm | ft in | 3,090 | 10'2" | 3,090 | 10'2" | 3,090 | 10'2" | 3,090 | 10'2" |
| 800 (32 in) mm shoes | mm | ft in | 3,190 | 10'6" | 3,190 | 10'6" | 3,190 | 10'6" | 3,190 | 10'6" |
| 900 mm (36 in) shoes | mm | ft in | 3,290 | 10'10" | 3,290 | 10'10" | 3,290 | 10'10" | 3,290 | 10'10" |
| Extended | | | | | | | | | | |
| 600 mm (24 in) shoes | mm | ft in | 3,490 | 11'5" | 3,490 | 11'5" | 3,490 | 11'5" | 3,490 | 11'5" |
| 700 mm (28 in) shoes | mm | ft in | 3,590 | 11'9" | 3,590 | 11'9" | 3,590 | 11'9" | 3,590 | 11'9" |
| 800 (32 in) mm shoes | mm | ft in | 3,690 | 12'1" | 3,690 | 12'1" | 3,690 | 12'1" | 3,690 | 12'1" |
| 900 mm (36 in) shoes | mm | ft in | 3,790 | 12'5" | 3,790 | 12'5" | 3,790 | 12'5" | 3,790 | 12'5" |
| C. Overall height of | | | | | | | | | | |
| Cab | mm | ft in | 3,410 | 11'2" | 3,410 | 11'2" | 3,410 | 11'2" | 3,410 | 11'2" |
| FOG | mm | ft in | 3,500 | 11'6" | 3,500 | 11'6" | 3,500 | 11'6" | 3,500 | 11'6" |
| Engine hood | mm | ft in | 3,170 | 10'5" | 3,170 | 10'5" | 3,170 | 10'5" | 3,170 | 10'5" |
| Guardrail, unfolded | mm | ft in | 3,750 | 12'4" | 3,750 | 12'4" | 3,750 | 12'4" | 3,750 | 12'4" |
| Guardrail, folded | mm | ft in | 3,270 | 10'9" | 3,270 | 10'9" | 3,270 | 10'9" | 3,270 | 10'9" |
| Handrail, unfolded | mm | ft in | 3,510 | 11'6" | 3,510 | 11'6" | 3,510 | 11'6" | 3,510 | 11'6" |
| Handrail, folded | mm | ft in | 3,270 | 10'9" | 3,270 | 10'9" | 3,270 | 10'9" | 3,270 | 10'9" |
| With Boom/Arm/Bucket (with hydraulic hoses) | mm | ft in | 4,220 | 13'10" | 4,050 | 13'3" | 3,890 | 12'9" | 3,910 | 12'10" |
| With Boom/Arm (with hydraulic hoses) | mm | ft in | 3,720 | 12'2" | 3,790 | 12'5" | 3,890 | 12'9" | 3,910 | 12'10" |
| With Boom (with hydraulic hoses) | mm | ft in | 3,220 | 10'7" | 3,220 | 10'7" | 3,220 | 10'7" | 3,220 | 10'7" |
| D. Tail swing radius | | | | | | | | | | |
| | mm | ft in | 3,880 | 12'9" | 3,880 | 12'9" | 3,880 | 12'9" | 3,880 | 12'9" |
| E. Overall length | | | | | | | | | | |
| With Boom/Arm/Bucket | mm | ft in | 12,280 | 40'3" | 12,220 | 40'1" | 12,200 | 40'0" | 12,200 | 40'0" |
| With Boom/Arm | mm | ft in | 12,150 | 39'10" | 12,180 | 40' | 12,200 | 40'0" | 12,200 | 40'0" |
| With Boom | mm | ft in | 10,820 | 35'6" | 10,820 | 35'6" | 10,820 | 35'6" | 10,820 | 35'6" |
| F. Counterweight clearance without shoe grouser *** | | | | | | | | | | |
| | mm | ft in | 1,320 | 4'4" | 1,320 | 4'4" | 1,320 | 4'4" | 1,320 | 4'4" |
| G. Tumbler length | | | | | | | | | | |
| | mm | ft in | 4,380 | 14'4" | 4,380 | 14'4" | 4,380 | 14'4" | 4,380 | 14'4" |
| H. Track length | | | | | | | | | | |
| | mm | ft in | 5,380 | 17'8" | 5,380 | 17'8" | 5,380 | 17'8" | 5,380 | 17'8" |
| I. Track gauge | | | | | | | | | | |
| Retracted | mm | ft in | 2,390 | 7'10" | 2,390 | 7'10" | 2,390 | 7'10" | 2,390 | 7'10" |
| Extended | mm | ft in | 2,890 | 9'6" | 2,890 | 9'6" | 2,890 | 9'6" | 2,890 | 9'6" |
| K. Min. ground clearance *** | | | | | | | | | | |
| | mm | ft in | 710 | 2'4" | 710 | 2'4" | 710 | 2'4" | 710 | 2'4" |

** Shoe end to end

*** Without shoe grouser



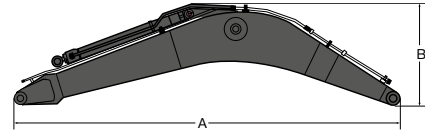
DIMENSIONS

| Description | Unit | EC500F Retractable Lower frame | | | | | | | | |
|--|----------|--------------------------------|--------|---------------|--------|-------------|--------|--------|--------|--|
| | | 6.5 m (21'4") | | 7.4 m (24'3") | | 9 m (29'6") | | | | |
| Boom | | 2.55 m | 8'4" | 3.0 m | 9'10" | 4.3 m | 14'1" | 6.0 m | 19'8" | |
| Arm | | | | | | | | | | |
| A. Overall width of superstructure | | | | | | | | | | |
| with walkway | mm ft in | 3,450 | 11'4" | 3,450 | 11'4" | 3,450 | 11'4" | 3,450 | 11'4" | |
| without walkway | mm ft in | 2,990 | 9'10" | 2,990 | 9'10" | 2,990 | 9'10" | 2,990 | 9'10" | |
| B. Overall width of undercarriage ** | | | | | | | | | | |
| Retracted | | | | | | | | | | |
| 600 mm (24 in) shoes | mm ft in | 2,990 | 9'10" | 2,990 | 9'10" | 2,990 | 9'10" | 2,990 | 9'10" | |
| 700 mm (28 in) shoes | mm ft in | 3,090 | 10'2" | 3,090 | 10'2" | 3,090 | 10'2" | 3,090 | 10'2" | |
| 800 (32 in) mm shoes | mm ft in | 3,190 | 10'6" | 3,190 | 10'6" | 3,190 | 10'6" | 3,190 | 10'6" | |
| 900 mm (36 in) shoes | mm ft in | 3,290 | 10'10" | 3,290 | 10'10" | 3,290 | 10'10" | 3,290 | 10'10" | |
| Extended | | | | | | | | | | |
| 600 mm (24 in) shoes | mm ft in | 3,490 | 11'5" | 3,490 | 11'5" | 3,490 | 11'5" | 3,490 | 11'5" | |
| 700 mm (28 in) shoes | mm ft in | 3,590 | 11'9" | 3,590 | 11'9" | 3,590 | 11'9" | 3,590 | 11'9" | |
| 800 (32 in) mm shoes | mm ft in | 3,690 | 12'1" | 3,690 | 12'1" | 3,690 | 12'1" | 3,690 | 12'1" | |
| 900 mm (36 in) shoes | mm ft in | 3,790 | 12'5" | 3,790 | 12'5" | 3,790 | 12'5" | 3,790 | 12'5" | |
| C. Overall height of | | | | | | | | | | |
| Cab | mm ft in | 3,410 | 11'2" | 3,410 | 11'2" | 3,410 | 11'2" | 3,410 | 11'2" | |
| FOG | mm ft in | 3,500 | 11'6" | 3,500 | 11'6" | 3,500 | 11'6" | 3,500 | 11'6" | |
| Engine hood | mm ft in | 3,170 | 10'5" | 3,170 | 10'5" | 3,170 | 10'5" | 3,170 | 10'5" | |
| Guardrail, unfolded | mm ft in | 3,750 | 12'4" | 3,750 | 12'4" | 3,750 | 12'4" | 3,750 | 12'4" | |
| Guardrail, folded | mm ft in | 3,270 | 10'9" | 3,270 | 10'9" | 3,270 | 10'9" | 3,270 | 10'9" | |
| Handrail, unfolded | mm ft in | 3,510 | 11'6" | 3,510 | 11'6" | 3,510 | 11'6" | 3,510 | 11'6" | |
| Handrail, folded | mm ft in | 3,270 | 10'9" | 3,270 | 10'9" | 3,270 | 10'9" | 3,270 | 10'9" | |
| With Boom/Arm/Bucket (with hydraulic hoses) | mm ft in | 4,310 | 14'2" | 4,120 | 13'6" | 3,630 | 11'11" | 5,510 | 18'1" | |
| With Boom/Arm (with hydraulic hoses) | mm ft in | 3,730 | 12'3" | 3,790 | 12'5" | 3,630 | 11'11" | 5,510 | 18'1" | |
| With Boom (with hydraulic hoses) | mm ft in | 3,220 | 10'7" | 3,220 | 10'7" | 3,000 | 9'10" | 3,450 | 11'4" | |
| D. Tail swing radius | | | | | | | | | | |
| | mm ft in | 3,880 | 12'9" | 3,880 | 12'9" | 3,880 | 12'9" | 3,880 | 12'9" | |
| E. Overall length | | | | | | | | | | |
| With Boom/Arm/Bucket | mm ft in | 11,780 | 38'8" | 11,720 | 38'5" | 12,630 | 41'5" | 13,770 | 45'2" | |
| With Boom/Arm | mm ft in | 11,550 | 37'11" | 11,630 | 38'2" | 12,630 | 41'5" | 13,770 | 45'2" | |
| With Boom | mm ft in | 10,280 | 33'9" | 10,280 | 33'9" | 11,230 | 36'10" | 13,900 | 45'7" | |
| F. Counterweight clearance without shoe grouser *** | | | | | | | | | | |
| | mm ft in | 1,320 | 4'4" | 1,320 | 4'4" | 1,320 | 4'4" | 1,320 | 4'4" | |
| G. Tumbler length | | | | | | | | | | |
| | mm ft in | 4,380 | 14'4" | 4,380 | 14'4" | 4,380 | 14'4" | 4,380 | 14'4" | |
| H. Track length | | | | | | | | | | |
| | mm ft in | 5,380 | 17'8" | 5,380 | 17'8" | 5,380 | 17'8" | 5,380 | 17'8" | |
| I. Track gauge | | | | | | | | | | |
| Retracted | mm ft in | 2,390 | 7'10" | 2,390 | 7'10" | 2,390 | 7'10" | 2,390 | 7'10" | |
| Extended | mm ft in | 2,890 | 9'6" | 2,890 | 9'6" | 2,890 | 9'6" | 2,890 | 9'6" | |
| K. Min. ground clearance *** | | | | | | | | | | |
| | mm ft in | 710 | 2'4" | 710 | 2'4" | 710 | 2'4" | 710 | 2'4" | |

** Shoe end to end

*** Without shoe grouser

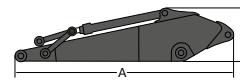
Specifications



BOOM

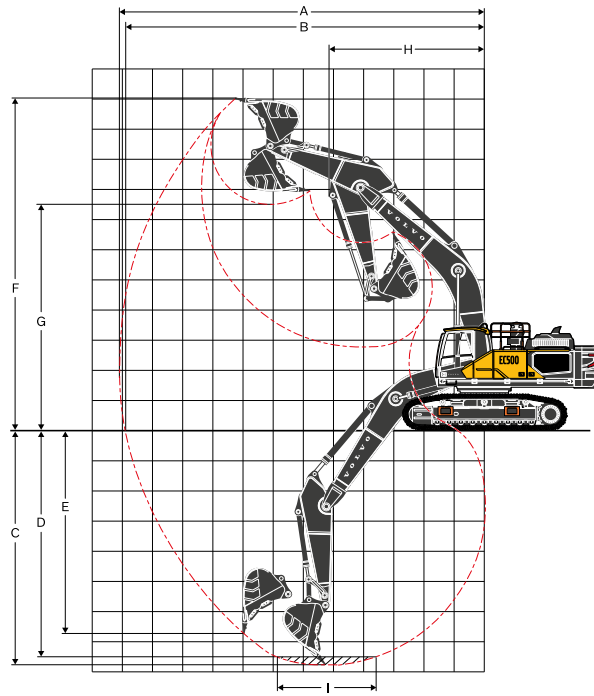
| Description | Unit | | 6.5 m (21'4") ME | | 7.0 m (23'0") HD | | 7.4 m (24'3") GP | | 9.0 m (29'6") LR | |
|-------------|------|-------|---------------------|--------|---------------------|--------|---------------------|--------|---------------------|--------|
| | | | mm | ft in | mm | ft in | mm | ft in | mm | ft in |
| Length | mm | ft in | 6,780 | 22'3" | 7,280 | 23'11" | 7,680 | 25'2" | 9,280 | 30'5" |
| Height | mm | ft in | 1,850 | 6'1" | 1,760 | 5'9" | 1,615 | 5'4" | 1,860 | 6'1" |
| Width | mm | ft in | 906 | 3'0" | 906 | 3'0" | 906 | 3'0" | 906 | 3'0" |
| Weight* | kg | lb | 4,730 | 10,430 | 4,630 | 10,210 | 6,740 | 10,450 | 5,210 | 11,490 |

* Includes cylinder, piping and pins



ARM

| Description | Unit | | 2.55 m (8'4") ME | | 3.0 m (3'0") HD | | 3.35 m (11'0") HD | | 3.9 m (12'10") GP | | 4.3 m (14'1") GP | | 6.0 m (19'8") LR | |
|-------------|------|-------|---------------------|-------|--------------------|--------|----------------------|-------|----------------------|--------|---------------------|-------|---------------------|-------|
| | | | mm | ft in | mm | ft in | mm | ft in | mm | ft in | mm | ft in | mm | ft in |
| Length | mm | ft in | 3,750 | 12'4" | 4,220 | 13'10" | 4,570 | 15'0" | 5,120 | 16'10" | 5,610 | 18'5" | 7,180 | 23'7" |
| Height | mm | ft in | 1,280 | 4'2" | 1,280 | 4'2" | 1,280 | 4'2" | 1,280 | 4'2" | 1,260 | 4'2" | 1,150 | 3'9" |
| Width | mm | ft in | 470 | 1'7" | 470 | 1'7" | 470 | 1'7" | 470 | 1'7" | 470 | 1'7" | 422 | 1'5" |
| Weight* | kg | lb | 2,520 | 5,560 | 2,740 | 6,040 | 2,730 | 6,020 | 2,880 | 6,350 | 3,040 | 6,700 | 2,750 | 6,060 |



WORKING RANGES

| Description | | EC500F Fixed undercarriage* | | | | | | | | | |
|-------------|---|-----------------------------|------------------|--------------|---------------|--------------|---------------|---------------|--------------|---------------|--|
| Boom | | Unit | 7.0 m / 23'0" HD | | | | | | | | |
| Arm | | | 2.55 m | 8'4" | 3.0 m | 9'10" | 3.35 m | 11'0" | 3.9 m | 12'10" | |
| A. | Max Digging Reach | mm ft in | 11 455 37'7" | 11 820 38'9" | 12 145 39'10" | 12 645 41'6" | 11 220 36'10" | 11 590 38'0" | 11 925 39'1" | 12 435 40'10" | |
| B. | Max Digging Reach on the Ground | mm ft in | 7 030 23'1" | 7 480 24'6" | 7 830 25'8" | 8 380 27'6" | 6 860 22'6" | 7 325 24'0" | 7 685 25'3" | 8 250 27'1" | |
| C. | Max Digging Depth | mm ft in | 6 270 20'7" | 6 465 21'3" | 6 795 22'4" | 7 235 23'9" | 10 915 35'10" | 10 915 35'10" | 11 065 36'4" | 11 235 36'10" | |
| D. | Max Digging Depth (2.44 m / 8'0" level) | mm ft in | 7 310 24' | 7 370 24'2" | 7 525 24'8" | 7 710 25'4" | 7 310 24' | 7 370 24'2" | 7 525 24'8" | 7 710 25'4" | |
| E. | Max Vertical Wall Digging Depth | mm ft in | 5 210 17'1" | 5 170 17' | 5 135 16'10" | 5 050 16'7" | 5 210 17'1" | 5 170 17' | 5 135 16'10" | 5 050 16'7" | |
| F. | Max Cutting Height | mm ft in | | | | | | | | | |
| G. | Max Dumping Height | mm ft in | | | | | | | | | |
| H. | Min front slew radius | mm ft in | | | | | | | | | |

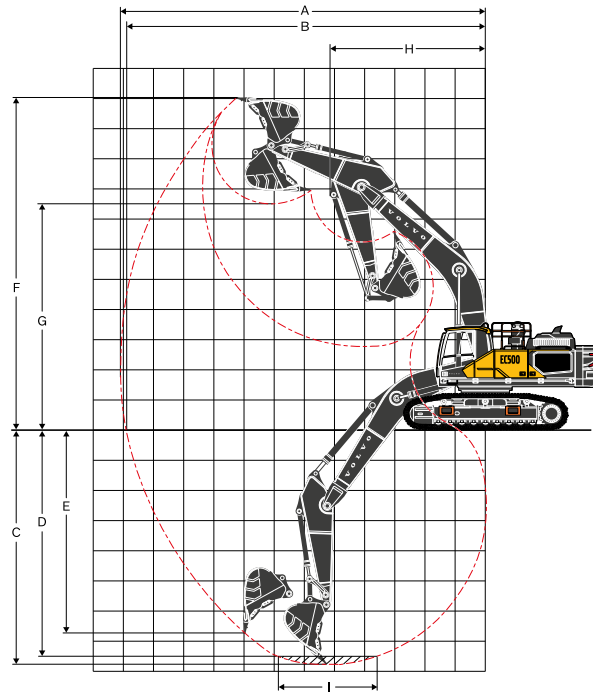
| Description | | EC500F Retractable undercarriage* | | | | | | | | | |
|-------------|---|-----------------------------------|------------------|--------------|---------------|--------------|--------------|--------------|--------------|--------------|--|
| Boom | | Unit | 7.0 m / 23'0" HD | | | | | | | | |
| Arm | | | 2.55 m | 8'4" | 3.0 m | 9'10" | 3.35 m | 11'0" | 3.9 m | 12'10" | |
| A. | Max Digging Reach | mm ft in | 11 455 37'7" | 11 820 38'9" | 12 145 39'10" | 12 645 41'6" | 11 200 36'9" | 11 570 38' | 11 905 39'1" | 12 415 40'9" | |
| B. | Max Digging Reach on the Ground | mm ft in | 6 920 22'8" | 7 370 24'2" | 7 720 25'4" | 8 270 27'2" | 6 920 22'8" | 7 370 24'2" | 7 720 25'4" | 8 270 27'2" | |
| C. | Max Digging Depth | mm ft in | 6 160 20'3" | 6 355 20'10" | 6 685 21'11" | 7 125 23'5" | 6 750 22'2" | 7 215 23'8" | 7 575 24'10" | 8 140 26'8" | |
| D. | Max Digging Depth (2.44 m / 8'0" level) | mm ft in | 11 025 36'2" | 11 025 36'2" | 11 175 36'8" | 11 345 37'3" | 11 025 36'2" | 11 025 36'2" | 11 175 36'8" | 11 345 37'3" | |
| E. | Max Vertical Wall Digging Depth | mm ft in | 7 420 24'4" | 7 480 24'6" | 7 635 25'1" | 7 820 25'8" | 7 420 24'4" | 7 480 24'6" | 7 635 25'1" | 7 820 25'8" | |
| F. | Max Cutting Height | mm ft in | | | | | | | | | |
| G. | Max Dumping Height | mm ft in | | | | | | | | | |
| H. | Min front slew radius | mm ft in | | | | | | | | | |

DIGGING FORCES WITH DIRECT FIT BUCKET

| | | | | | | | | | | |
|----------------------------|------------------------|--------|------------|------------|------------|------------|------------|------------|------------|------------|
| Breakout force - bucket | SAE J1179, Normal | kN lbf | 230 51,790 | 230 51,790 | 230 51,790 | 230 51,790 | 230 51,790 | 230 51,790 | 230 51,790 | |
| | SAE J1179, Power Boost | kN lbf | 251 56,500 | 251 56,500 | 251 56,500 | 251 56,500 | 251 56,500 | 251 56,500 | 251 56,500 | |
| | ISO 6015, Normal | kN lbf | 261 58,740 | 261 58,740 | 261 58,740 | 261 58,740 | 261 58,740 | 261 58,740 | 261 58,740 | |
| | ISO 6015, Power Boost | kN lbf | 285 64,080 | 285 64,080 | 285 64,080 | 285 64,080 | 285 64,080 | 285 64,080 | 285 64,080 | |
| Tearout force - digger arm | SAE J1179, Normal | kN lbf | 231 51,890 | 211 47,440 | 197 44,190 | 176 39,510 | 231 51,890 | 230 51,760 | 214 48,210 | 192 43,100 |
| | SAE J1179, Power Boost | kN lbf | 252 56,610 | 230 51,760 | 214 48,210 | 192 43,100 | 252 56,610 | 237 53,300 | 201 45,080 | 179 40,170 |
| | ISO 6015, Normal | kN lbf | 237 53,300 | 216 48,520 | 201 45,080 | 179 40,170 | 237 53,300 | 235 52,930 | 219 49,180 | 195 43,820 |
| | ISO 6015, Power Boost | kN lbf | 259 58,150 | 235 52,930 | 219 49,180 | 195 43,820 | 259 58,150 | | | |
| Rotation angle, bucket | | ° | 179 | 179 | 179 | 179 | 179 | 179 | 179 | |

*Machine with pin-in bucket

Specifications



WORKING RANGES

| Description | | EC500F Fixed undercarriage* | | | | | | | | |
|--|----------|-----------------------------|--------|--------|-------|------------------|--------|------------------|--------|--|
| Boom | Unit | 6.5 m / 21'4" ME | | | | 7.4 m / 24'3" GP | | 9.0 m / 29'6" LR | | |
| Arm | | 2.55 m | 8'4" | 3.0 m | 9'10" | 4.3 m | 14'1" | 6.0 m | 19'8" | |
| A. Max Digging Reach | mm ft in | 10 935 | 35'11" | 11 295 | 37'1" | 13 090 | 42'11" | 16 455 | 54' | |
| B. Max Digging Reach on the Ground | mm ft in | 10 690 | 35'1" | 11 060 | 36'3" | 12 890 | 42'3" | 16 295 | 53'6" | |
| C. Max Digging Depth | mm ft in | 6 585 | 21'7" | 7 035 | 23'1" | 8 860 | 29'1" | 11 865 | 38'11" | |
| D. Max Digging Depth (2.44 m / 8'0" level) | mm ft in | 6 420 | 21'1" | 6 885 | 22'7" | 8 725 | 28'8" | 11 770 | 38'7" | |
| E. Max Vertical Wall Digging Depth | mm ft in | 5 825 | 19'1" | 6 000 | 19'8" | 6 725 | 22'1" | 11 245 | 36'11" | |
| F. Max Cutting Height | mm ft in | 10 560 | 34'8" | 10 550 | 34'7" | 11 060 | 36'3" | 13 750 | 45'1" | |
| G. Max Dumping Height | mm ft in | 6 960 | 22'10" | 7 015 | 23'0" | 7 735 | 25'5" | 10 700 | 35'1" | |
| H. Min front slew radius | mm ft in | 4 815 | 15'10" | 4 800 | 15'9" | 5 130 | 16'10" | 6 610 | 21'8" | |

| Description | | EC500F Retractable undercarriage* | | | | | | | | |
|--|----------|-----------------------------------|--------|--------|-------|------------------|--------|------------------|-------|--|
| Boom | Unit | 6.5 m / 21'4" ME | | | | 7.4 m / 24'3" GP | | 9.0 m / 29'6" LR | | |
| Arm | | 2.55 m | 8'4" | 3.0 m | 9'10" | 4.3 m | 14'1" | 6.0 m | 19'8" | |
| A. Max Digging Reach | mm ft in | 10 935 | 35'11" | 11 295 | 37'1" | 13 090 | 42'11" | 16 455 | 54' | |
| B. Max Digging Reach on the Ground | mm ft in | 10 665 | 35' | 11 035 | 36'2" | 12 870 | 42'3" | 16 280 | 53'5" | |
| C. Max Digging Depth | mm ft in | 6 475 | 21'3" | 6 925 | 22'9" | 8 750 | 28'8" | 11 755 | 38'7" | |
| D. Max Digging Depth (2.44 m / 8'0" level) | mm ft in | 6 310 | 20'8" | 6 775 | 22'3" | 8 615 | 28'3" | 11 660 | 38'3" | |
| E. Max Vertical Wall Digging Depth | mm ft in | 5 715 | 18'9" | 5 890 | 19'4" | 6 615 | 21'8" | 11 130 | 36'6" | |
| F. Max Cutting Height | mm ft in | 10 670 | 35'0" | 10 660 | 35' | 11 170 | 36'8" | 13 860 | 45'6" | |
| G. Max Dumping Height | mm ft in | 7 070 | 23'2" | 7 125 | 23'5" | 7 845 | 25'9" | 10 810 | 35'6" | |
| H. Min front slew radius | mm ft in | 4 815 | 15'10" | 4 800 | 15'9" | 5 130 | 16'10" | 6 610 | 21'8" | |

DIGGING FORCES WITH DIRECT FIT BUCKET

| | | | | | | | | | | |
|----------------------------|------------------------|--------|-----|--------|-----|--------|-----|--------|-----|--------|
| Breakout force - bucket | SAE J1179, Normal | kN lbf | 249 | 56,070 | 249 | 56,070 | 230 | 51,790 | 163 | 36,670 |
| | SAE J1179, Power Boost | kN lbf | 272 | 61,170 | 272 | 61,170 | 251 | 56,500 | 178 | 40,000 |
| | ISO 6015, Normal | kN lbf | 281 | 63,210 | 281 | 63,210 | 261 | 58,740 | 183 | 41,150 |
| | ISO 6015, Power Boost | kN lbf | 307 | 68,960 | 307 | 68,960 | 285 | 64,080 | 200 | 44,890 |
| Tearout force - digger arm | SAE J1179, Normal | kN lbf | 224 | 50,460 | 206 | 46,220 | 173 | 38,970 | 130 | 29,230 |
| | SAE J1179, Power Boost | kN lbf | 245 | 55,050 | 224 | 50,420 | 189 | 42,510 | 142 | 31,890 |
| | ISO 6015, Normal | kN lbf | 232 | 52,060 | 211 | 47,490 | 176 | 39,550 | 132 | 29,650 |
| | ISO 6015, Power Boost | kN lbf | 253 | 56,800 | 230 | 51,800 | 192 | 43,150 | 144 | 32,340 |
| Rotation angle, bucket | | ° | 179 | | 179 | | 179 | | 177 | |

*Machine with pin-in bucket

GROUND PRESSURE

| Description | Shoe width | | Operating weight | | Ground pressure | | Overall width | | Operating weight | | Ground pressure | | Overall width | |
|---------------------|------------|---------|--|---------|-----------------|------|---------------|--------|--|---------|-----------------|------|---------------|-------|
| | mm | in | kg | lb | kPa | psi | mm | ft in | kg | lb | kPa | psi | mm | ft in |
| Triple grouser | 600 | 24 | 49,670 | 109,520 | 85.9 | 12.5 | 3,340 | 10'11" | 50,940 | 112,320 | 88.1 | 12.8 | 3,490 | 11'5" |
| | 700 | 28 | 49,780 | 109,760 | 74.4 | 10.8 | 3,440 | 11'3" | 51,050 | 112,570 | 76.3 | 11.1 | 3,590 | 11'9" |
| | 800 | 32 | 50,170 | 110,620 | 65.8 | 9.5 | 3,540 | 11'7" | 51,440 | 113,430 | 67.4 | 9.8 | 3,690 | 12'1" |
| | 900 | 36 | 50,680 | 111,750 | 59.0 | 8.6 | 3,640 | 11'11" | 51,940 | 114,530 | 60.5 | 8.8 | 3,790 | 12'5" |
| Triple grouser (HD) | 600 (HD) | 24 (HD) | 51,180 | 112,850 | 86.1 | 12.5 | 3,340 | 10'11" | 52,450 | 115,650 | 88.3 | 12.8 | 3,490 | 11'5" |
| Double grouser | 600 | 24 | 49,720 | 109,630 | 86.0 | 12.5 | 3,340 | 10'11" | 50,990 | 112,430 | 88.2 | 12.8 | 3,490 | 11'5" |
| | | | EC500F L with FIXED undercarriage, 7.0 m / 23'0" boom, 3.35 m / 11'0" arm, 2,500 kg / 5,510 lb bucket, 10,250 kg / 22,600 lb counterweight | | | | | | EC500F L with RETRACTABLE undercarriage, 7.0 m / 23'0" boom, 3.35 m / 11'0" arm, 2,500 kg / 5,510 lb bucket, 10,250 kg / 22,600 lb counterweight | | | | | |
| Description | Shoe width | | Operating weight | | Ground pressure | | Overall width | | Operating weight | | Ground pressure | | Overall width | |
| | mm | in | kg | lb | kPa | psi | mm | ft in | kg | lb | kPa | psi | mm | ft in |
| Triple grouser | 600 | 24 | 49,820 | 109,850 | 86.2 | 12.5 | 3,340 | 10'11" | 51,090 | 112,650 | 88.4 | 12.8 | 3,490 | 11'5" |
| | 700 | 28 | 50,320 | 110,960 | 74.6 | 10.8 | 3,440 | 11'3" | 51,590 | 113,760 | 76.5 | 11.1 | 3,590 | 11'9" |
| | 800 | 32 | 50,830 | 112,080 | 66.0 | 9.6 | 3,540 | 11'7" | 52,090 | 114,860 | 67.6 | 9.8 | 3,690 | 12'1" |
| | 900 | 36 | 51,330 | 113,180 | 59.2 | 8.6 | 3,640 | 11'11" | 52,600 | 115,980 | 60.7 | 8.8 | 3,790 | 12'5" |
| Triple grouser (HD) | 600 (HD) | 24 (HD) | 49,930 | 110,100 | 86.4 | 12.5 | 3,340 | 10'11" | 51,200 | 112,900 | 88.6 | 12.8 | 3,490 | 11'5" |
| Double grouser | 600 | 24 | 49,870 | 109,960 | 86.3 | 12.5 | 3,340 | 10'11" | 51,140 | 112,760 | 88.5 | 12.8 | 3,490 | 11'5" |
| | | | EC500F L with FIXED undercarriage, 7.0 m / 23'0" boom, 3.9 m / 12'10" arm, 2,500 kg / 5,510 lb bucket, 10,250 kg / 22,600 lb counterweight | | | | | | EC500F L with RETRACTABLE undercarriage, 7.0 m / 23'0" boom, 3.9 m / 12'10" arm, 2,500 kg / 5,510 lb bucket, 10,250 kg / 22,600 lb counterweight | | | | | |
| Description | Shoe width | | Operating weight | | Ground pressure | | Overall width | | Operating weight | | Ground pressure | | Overall width | |
| | mm | in | kg | lb | kPa | psi | mm | ft in | kg | lb | kPa | psi | mm | ft in |
| Triple grouser | 600 | 24 | 49,960 | 110,160 | 86.4 | 12.5 | 3,340 | 10'11" | 51,230 | 112,960 | 88.6 | 12.8 | 3,490 | 11'5" |
| | 700 | 28 | 50,460 | 111,260 | 74.8 | 10.8 | 3,440 | 11'3" | 51,730 | 114,060 | 76.7 | 11.1 | 3,590 | 11'9" |
| | 800 | 32 | 50,970 | 112,390 | 66.1 | 9.6 | 3,540 | 11'7" | 52,230 | 115,170 | 67.8 | 9.8 | 3,690 | 12'1" |
| | 900 | 36 | 51,470 | 113,490 | 59.4 | 8.6 | 3,640 | 11'11" | 52,740 | 116,290 | 60.8 | 8.8 | 3,790 | 12'5" |
| Triple grouser (HD) | 600 (HD) | 24 (HD) | 50,070 | 110,400 | 86.6 | 12.6 | 3,340 | 10'11" | 51,340 | 113,200 | 88.8 | 12.9 | 3,490 | 11'5" |
| Double grouser | 600 | 24 | 50,010 | 110,270 | 86.5 | 12.5 | 3,340 | 10'11" | 51,280 | 113,070 | 88.7 | 12.9 | 3,490 | 11'5" |
| | | | EC500F L with FIXED undercarriage, 7.4 m / 24'3" boom, 4.3 m / 14'1" arm, 2,370 kg / 5,230 lb bucket, 10,250 kg / 22,600 lb counterweight | | | | | | EC500F L with RETRACTABLE undercarriage, 7.4 m / 24'3" boom, 4.3 m / 14'1" arm, 2,370 kg / 5,230 lb bucket, 10,250 kg / 22,600 lb counterweight | | | | | |
| Description | Shoe width | | Operating weight | | Ground pressure | | Overall width | | Operating weight | | Ground pressure | | Overall width | |
| | mm | in | kg | lb | kPa | psi | mm | ft in | kg | lb | kPa | psi | mm | ft in |
| Triple grouser | 600 | 24 | 49,280 | 108,660 | 85.3 | 12.4 | 3,340 | 10'11" | 50,550 | 111,460 | 87.5 | 12.7 | 3,490 | 11'5" |
| | 700 | 28 | 49,780 | 109,760 | 73.8 | 10.7 | 3,440 | 11'3" | 51,050 | 112,570 | 75.7 | 11.0 | 3,590 | 11'9" |
| | 800 | 32 | 50,290 | 110,890 | 65.3 | 9.5 | 3,540 | 11'7" | 51,550 | 113,670 | 66.9 | 9.7 | 3,690 | 12'1" |
| | 900 | 36 | 50,790 | 111,990 | 58.6 | 8.5 | 3,640 | 11'11" | 52,060 | 114,790 | 60.0 | 8.7 | 3,790 | 12'5" |
| Triple grouser (HD) | 600 (HD) | 24 (HD) | 49,390 | 108,900 | 85.5 | 12.4 | 3,340 | 10'11" | 50,660 | 111,710 | 87.6 | 12.7 | 3,490 | 11'5" |
| Double grouser | 600 | 24 | 49,330 | 108,770 | 85.3 | 12.4 | 3,340 | 10'11" | 50,600 | 111,570 | 87.5 | 12.7 | 3,490 | 11'5" |
| | | | EC500F LR with FIXED undercarriage, 9.0 m / 29'6" boom, 6.0 m / 19'8" arm, 1,160 kg / 2,560 lb bucket, 10,600 kg / 23,370 lb counterweight | | | | | | EC500F LR with RETRACTABLE undercarriage, 9.0 m / 29'6" boom, 6.0 m / 19'8" arm, 1,160 kg / 2,560 lb bucket, 10,600 kg / 23,370 lb counterweight | | | | | |

Specifications

BUCKET SELECTION GUIDE

| Bucket type | | Capacity | | Cutting width | | Weight | | Teeth | EC500F L Fixed undercarriage | | | | | | |
|--------------------|-----------------|----------------|-----------------|---------------|-------|--------|-------|-------|--|---------------|---------------|---------------|--------------|----------------|---------------|
| | | | | | | | | | 900 mm (36") shoe, 10,250 kg (22,600 lb) counterweight | | | | | | |
| | | | | | | | | | | 6.5 m (21'4") | | | 7.0 m (23') | | 7.4 m (24'3") |
| | | m ³ | yd ³ | mm | ft/in | kg | lb | EA | 2.55 m (8'4") | 3.0 m (9'10") | 2.55 m (8'4") | 3.0 m (9'10") | 3.35 m (11') | 3.9 m (12'10") | 4.3 m (14'1") |
| Direct fit Buckets | Fixed Ditching | 1.54 | 2.01 | 1,800 | 5'11" | 1,210 | 2,660 | 0 | C | C | C | C | C | C | C |
| | High Capacity | 3.50 | 4.58 | 1,960 | 6'5" | 2,490 | 5,490 | 5 | C | C | C | B | B | A | x |
| | | 3.82 | 5.00 | 2,100 | 6'11" | 2,490 | 5,490 | 5 | C | C | B | B | B | x | x |
| | General Purpose | 1.55 | 2.03 | 1,240 | 4'1" | 1,870 | 4,120 | 4 | C | C | C | C | C | C | C |
| | | 1.82 | 2.38 | 1,390 | 4'7" | 2,050 | 4,520 | 5 | C | C | C | C | C | C | C |
| | | 2.10 | 2.75 | 1,540 | 5'1" | 2,190 | 4,820 | 5 | C | C | C | C | C | C | C |
| | | 2.66 | 3.48 | 1,840 | 6'0" | 2,500 | 5,510 | 5 | C | C | C | C | C | C | B |
| | | 2.84 | 3.71 | 1,940 | 6'4" | 2,470 | 5,440 | 5 | C | C | C | C | C | C | B |
| | | 3.31 | 4.33 | 2,190 | 7'2" | 2,750 | 6,060 | 6 | C | C | C | B | B | A | x |
| | Heavy Duty | 2.10 | 2.75 | 1,540 | 5'1" | 2,370 | 5,220 | 5 | D | D | D | D | D | D | D |
| | | 2.38 | 3.11 | 1,690 | 5'7" | 2,500 | 5,510 | 5 | D | D | D | D | D | C | C |
| | | 2.66 | 3.48 | 1,840 | 6'0" | 2,670 | 5,880 | 5 | D | D | D | D | C | C | B |
| | | 2.84 | 3.71 | 1,940 | 6'4" | 2,740 | 6,040 | 5 | D | D | D | C | C | B | A |
| | | 3.03 | 3.96 | 2,020 | 6'8" | 2,890 | 6,370 | 5 | D | C | C | C | B | B | x |
| | Extreme Duty | 2.66 | 3.48 | 1,870 | 6'2" | 2,810 | 6,190 | 4 | D | D | D | D | C | B | B |
| | | 2.84 | 3.71 | 1,970 | 6'6" | 3,010 | 6,630 | 4 | D | D | D | C | B | B | x |
| | | 3.03 | 3.96 | 2,050 | 6'9" | 3,120 | 6,870 | 4 | D | C | C | B | B | A | x |

Maximum material density

D: 2,100 kg/m³ (3,500 lb/yd³)

C: 1,800 kg/m³ (3,100 lb/yd³)

B: 1,500 kg/m³ (2,500 lb/yd³)

A: 1,200 kg/m³ (2,000 lb/yd³)

X: Not recommended

Please consult with your Volvo dealer for the proper match of buckets and attachments to suit the application.

The recommendations are given as a guide only, based on typical operation conditions.

Bucket capacity based on ISO 7451, heaped material with a 1:1 angle of repose.

BUCKET SELECTION GUIDE

| Bucket type | | Capacity | | Cutting width | | Weight | | Teeth | EC500F L Retractable undercarriage | | | | | | |
|--------------------|-----------------|----------------|-----------------|---------------|-------|--------|-------|-------|--|---------------|---------------|---------------|---------------|----------------|---------------|
| | | | | | | | | | 900 mm (36") shoe, 10,250 kg (22,600 lb) counterweight | | | | | | |
| | | | | | | | | | | 7.0 m (23') | | | 7.4 m (24'3") | | |
| | | m ³ | yd ³ | mm | ft/in | kg | lb | EA | 2.55 m (8'4") | 3.0 m (9'10") | 2.55 m (8'4") | 3.0 m (9'10") | 3.35 m (11') | 3.9 m (12'10") | 4.3 m (14'1") |
| Direct fit Buckets | Fixed Ditching | 1.54 | 2.01 | 1,800 | 5'11" | 1,210 | 2,660 | 0 | C | C | C | C | C | C | C |
| | High Capacity | 3.50 | 4.58 | 1,960 | 6'5" | 2,490 | 5,490 | 5 | C | C | C | B | B | A | x |
| | | 3.82 | 5.0 | 2,100 | 6'11" | 2,490 | 5,490 | 5 | C | C | B | B | B | x | x |
| | General Purpose | 1.55 | 2.03 | 1,240 | 4'1" | 1,870 | 4,120 | 4 | C | C | C | C | C | C | C |
| | | 1.82 | 2.38 | 1,390 | 4'7" | 2,050 | 4,520 | 5 | C | C | C | C | C | C | C |
| | | 2.10 | 2.75 | 1,540 | 5'1" | 2,190 | 4,820 | 5 | C | C | C | C | C | C | C |
| | | 2.66 | 3.48 | 1,840 | 6'0" | 2,500 | 5,510 | 5 | C | C | C | C | C | C | B |
| | | 2.84 | 3.71 | 1,940 | 6'4" | 2,470 | 5,440 | 5 | C | C | C | C | C | C | B |
| | | 3.31 | 4.33 | 2,190 | 7'2" | 2,750 | 6,060 | 6 | C | C | C | B | B | A | x |
| | Heavy Duty | 2.10 | 2.75 | 1,540 | 5'1" | 2,370 | 5,220 | 5 | D | D | D | D | D | D | D |
| | | 2.38 | 3.11 | 1,690 | 5'7" | 2,500 | 5,510 | 5 | D | D | D | D | D | C | C |
| | | 2.66 | 3.48 | 1,840 | 6'0" | 2,670 | 5,880 | 5 | D | D | D | D | C | C | B |
| | | 2.84 | 3.71 | 1,940 | 6'4" | 2,740 | 6,040 | 5 | D | D | D | C | C | B | A |
| | | 3.03 | 3.96 | 2,020 | 6'8" | 2,890 | 6,370 | 5 | D | C | C | C | B | B | x |
| | Extreme Duty | 2.66 | 3.48 | 1,870 | 6'2" | 2,810 | 6,190 | 4 | D | D | D | D | C | B | B |
| | | 2.84 | 3.71 | 1,970 | 6'6" | 3,010 | 6,630 | 4 | D | D | D | C | B | B | x |
| | | 3.03 | 3.96 | 2,050 | 6'9" | 3,120 | 6,870 | 4 | D | C | C | B | B | A | x |

Maximum material density

D: 2,100 kg/m³ (3,500 lb/yd³)
 C: 1,800 kg/m³ (3,100 lb/yd³)
 B: 1,500 kg/m³ (2,500 lb/yd³)
 A: 1,200 kg/m³ (2,000 lb/yd³)
 X: Not recommended

Please consult with your Volvo dealer for the proper match of buckets and attachments to suit the application.
 The recommendations are given as a guide only, based on typical operation conditions.
 Bucket capacity based on ISO 7451, heaped material with a 1:1 angle of repose.

BUCKET SELECTION GUIDE

| Bucket type | | Capacity | | Cutting width | | Weight | | Teeth | EC500F LR Fixed undercarriage | | EC500F LR Retractable undercarriage | |
|--------------------|-----------------|----------------|-----------------|---------------|-------|--------|-------|-------|--|---------------|-------------------------------------|--|
| | | | | | | | | | 900 mm (36") shoe, 10,600 kg (22,710 lb) counterweight | | | |
| | | | | | | | | | | 9.0 m (29'6") | | |
| | | m ³ | yd ³ | mm | ft/in | kg | lb | EA | 6.0 m (19'8") | | 6.0 m (19'8") | |
| Direct fit Buckets | Fixed Ditching | 0.95 | 1.24 | 1,500 | 4'11" | 800 | 1,760 | 6 | B | | B | |
| | General Purpose | 1.6 | 2.09 | 1,640 | 5'5" | 1,160 | 2,560 | - | C | | C | |

Maximum material density

D: 2,100 kg/m³ (3,500 lb/yd³)
 C: 1,800 kg/m³ (3,100 lb/yd³)
 B: 1,500 kg/m³ (2,500 lb/yd³)
 A: 1,200 kg/m³ (2,000 lb/yd³)
 X: Not recommended

Please consult with your Volvo dealer for the proper match of buckets and attachments to suit the application.
 The recommendations are given as a guide only, based on typical operation conditions.
 Bucket capacity based on ISO 7451, heaped material with a 1:1 angle of repose.

Specifications

LIFTING CAPACITY EC500F L FIXED undercarriage

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 | 1.5 m / 5'0" | | 3.0 m / 10'0" | | 4.5 m / 15'0" | | 6.0 m / 20'0" | | 7.5 m / 25'0" | | 9.0 m / 30'0" | | 10.5 m / 35'0" | | Max. | | | |
|---|--------------------------------------|--------------|-----------|---------------|-----------|---------------|-----------|---------------|-----------|---------------|-----------|---------------|-----------|----------------|-----------|----------|-----------|---------|---------|
| | | 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 | Along UC | Across UC | | |
| Boom 6.5 m 21'4" Arm 2.55 m 8'4" Shoe 800 mm 32" Counterweight 10,250 kg 22,600 lb | 7.5 m kg | | | | | | | | | | | | | | | | *11,950 | 11,910 | 7.3 m |
| | 25 ft lb | | | | | | | | | | | | | | | | *26,460 | *26,460 | 23.5 ft |
| | 6.0 m kg | | | | | | | *13,070 | *13,070 | *11,980 | 11,240 | | | | | | *11,480 | 9,780 | 8.2 m |
| | 20 ft lb | | | | | | | *28,410 | *28,410 | *26,290 | 24,180 | | | | | | *25,320 | 21,770 | 26.6 ft |
| | 4.5 m kg | | | | | *19,490 | *19,490 | *14,850 | *14,850 | *12,710 | 10,940 | | | | | | *11,480 | 8,680 | 8.7 m |
| | 15 ft lb | | | | | *41,770 | *41,770 | *32,140 | *32,140 | *27,690 | 23,580 | | | | | | *25,290 | 19,230 | 28.5 ft |
| | 3.0 m kg | | | | | *22,510 | 21,690 | *16,860 | 14,480 | *13,700 | 10,560 | | | | | | *11,870 | 8,150 | 8.9 m |
| | 10 ft lb | | | | | *51,200 | 46,860 | *36,450 | 31,270 | *29,760 | 22,790 | | | | | | *26,150 | 17,990 | 29.3 ft |
| | 1.5 m kg | | | | | *16,340 | *16,340 | *18,380 | 13,900 | *14,550 | 10,240 | | | | | | *12,370 | 8,020 | 8.9 m |
| | 5 ft lb | | | | | *40,390 | *40,390 | *39,780 | 30,000 | *31,580 | 22,090 | | | | | | *27,270 | 17,680 | 29.3 ft |
| | 0 m kg | | | | | *24,100 | 20,690 | *18,980 | 13,610 | *14,940 | 10,040 | | | | | | *12,680 | 8,280 | 8.7 m |
| | 0 ft lb | | | | | *55,700 | 44,520 | *41,150 | 29,350 | *32,390 | 21,680 | | | | | | *27,960 | 18,270 | 28.5 ft |
| | -1.5 m kg | | | *17,720 | *17,720 | *24,350 | 20,790 | *18,550 | 13,560 | *14,510 | 10,020 | | | | | | *12,970 | 9,070 | 8.1 m |
| | -5 ft lb | | | *40,440 | *40,440 | *52,910 | 44,720 | *40,200 | 29,250 | *31,320 | 21,660 | | | | | | *28,600 | 20,030 | 26.6 ft |
| | -3.0 m kg | | | *27,940 | *27,940 | *21,730 | 21,120 | *16,750 | 13,760 | | | | | | | | *13,050 | 10,790 | 7.2 m |
| | -10 ft lb | | | *60,790 | *60,790 | *47,070 | 45,440 | *36,100 | 29,710 | | | | | | | | *28,770 | 23,970 | 23.6 ft |
| -4.5 m kg | | | | | *16,670 | *16,670 | | | | | | | | | | | | | 5.8 m |
| -15 ft lb | | | | | *35,490 | *35,490 | | | | | | | | | | | | | 18.7 ft |
| Boom 6.5 m 21'4" Arm 3.0 m 9'10" Shoe 800 mm 32" Counterweight 10,250 kg 22,600 lb | 7.5 m kg | | | | | | | | | *11,030 | *11,030 | | | | | | *10,100 | *10,100 | 7.7 m |
| | 25 ft lb | | | | | | | | | *22,400 | *22,400 | | | | | | *22,360 | *22,360 | 25 ft |
| | 6.0 m kg | | | | | | | | | *11,210 | *11,210 | | | | | | *9,800 | 9,080 | 8.5 m |
| | 20 ft lb | | | | | | | | | *24,550 | 24,330 | | | | | | *21,630 | 20,210 | 27.9 ft |
| | 4.5 m kg | | | | | *17,910 | *17,910 | *13,970 | *13,970 | *12,050 | 10,960 | *10,790 | 8,210 | | | | *9,880 | 8,110 | 9.1 m |
| | 15 ft lb | | | | | *38,420 | *38,420 | *30,240 | *30,240 | *26,240 | 23,620 | | | | | | *21,750 | 17,970 | 29.7 ft |
| | 3.0 m kg | | | | | *22,350 | 21,990 | *16,080 | 14,530 | *13,140 | 10,540 | *11,560 | 8,040 | | | | *10,260 | 7,620 | 9.3 m |
| | 10 ft lb | | | | | *48,010 | 47,490 | *34,760 | 31,380 | *28,530 | 22,740 | *25,230 | 17,300 | | | | *22,590 | 16,830 | 30.5 ft |
| | 1.5 m kg | | | | | *23,460 | 20,860 | *17,810 | 13,870 | *14,120 | 10,170 | *11,980 | 7,860 | | | | *11,020 | 7,490 | 9.3 m |
| | 5 ft lb | | | | | *54,140 | 44,970 | *38,530 | 29,930 | *30,640 | 21,940 | *26,060 | 16,940 | | | | *24,250 | 16,520 | 30.5 ft |
| | 0 m kg | | | | | *25,640 | 20,490 | *18,700 | 13,490 | *14,700 | 9,920 | *12,080 | 7,750 | | | | *12,000 | 7,700 | 9.0 m |
| | 0 ft lb | | | | | *55,590 | 44,090 | *40,520 | 29,090 | *31,870 | 21,410 | | | | | | *26,470 | 16,970 | 29.7 ft |
| | -1.5 m kg | | | *18,310 | *18,310 | *24,800 | 20,490 | *18,600 | 13,370 | *14,580 | 9,840 | | | | | | *12,370 | 8,340 | 8.5 m |
| | -5 ft lb | | | *41,500 | *41,500 | *53,830 | 44,070 | *40,300 | 28,830 | *31,530 | 21,250 | | | | | | *27,300 | 18,430 | 27.9 ft |
| | -3.0 m kg | | | *30,440 | *30,440 | *22,650 | 20,750 | *17,280 | 13,500 | *13,140 | 10,000 | | | | | | *12,660 | 9,740 | 7.7 m |
| | -10 ft lb | | | *66,150 | *66,150 | *49,060 | 44,650 | *37,320 | 29,120 | *27,990 | 21,650 | | | | | | *27,920 | 21,610 | 25.0 ft |
| -4.5 m kg | | | | | *18,460 | *18,460 | *13,700 | *13,700 | | | | | | | | *12,500 | *12,500 | 6.3 m | |
| -15 ft lb | | | | | *39,570 | *39,570 | *28,830 | *28,830 | | | | | | | | *27,490 | *27,490 | 20.5 ft | |

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 EC500F L FIXED undercarriage

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 | 1.5 m / 5'0" | | 3.0 m / 10'0" | | 4.5 m / 15'0" | | 6.0 m / 20'0" | | 7.5 m / 25'0" | | 9.0 m / 30'0" | | 10.5 m / 35'0" | | Max. | | | |
|---|--------------------------------------|--------------|-----------|---------------|-----------|---------------|-----------|---------------|-----------|---------------|-----------|---------------|-----------|----------------|-----------|----------|-----------|---------|---------|
| | | 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 | Along UC | Across UC | | |
| | | | | | | | | | | | | | | | | | | | |
| Boom 7.0 m 23'0" Arm 2.55 m 8'4" Shoe 800 mm 32" Counterweight 10,250 kg 22,600 lb | 9.0 m kg | | | | | | | | | | | | | | | | *11,570 | *11,570 | 6.6 m |
| | 30 ft lb | | | | | | | | | | | | | | | | *25,690 | *25,690 | 21.3 ft |
| | 7.5 m kg | | | | | | | | | *11,020 | *11,020 | | | | | | *11,110 | 10,410 | 7.9 m |
| | 25 ft lb | | | | | | | | | *24,380 | *24,380 | | | | | | *24,550 | 23,350 | 25.6 ft |
| | 6.0 m kg | | | | | | | | *12,750 | *12,750 | *11,380 | 11,200 | | | | | *11,010 | 8,760 | 8.7 m |
| | 20 ft lb | | | | | | | | *27,630 | *27,630 | *24,840 | 24,130 | | | | | *24,280 | 19,490 | 28.5 ft |
| | 4.5 m kg | | | | | | | | *14,750 | *14,750 | *12,310 | 10,820 | *11,140 | 8,210 | | | *11,080 | 7,880 | 9.2 m |
| | 15 ft lb | | | | | | | | *43,430 | *43,430 | *31,820 | *31,820 | *26,740 | 23,350 | *24,440 | 17,650 | *24,420 | 17,440 | 30.2 ft |
| | 3.0 m kg | | | | | | | | *16,820 | 14,160 | *13,400 | 10,410 | *11,600 | 8,020 | | | *11,260 | 7,430 | 9.5 m |
| | 10 ft lb | | | | | | | | *36,310 | 30,600 | *29,050 | 22,470 | *25,280 | 17,290 | | | *24,810 | 16,410 | 31.1 ft |
| | 1.5 m kg | | | | | | | | *18,280 | 13,610 | *14,300 | 10,070 | *12,030 | 7,850 | | | *11,510 | 7,320 | 9.5 m |
| | 5 ft lb | | | | | | | | *39,530 | 29,400 | *31,010 | 21,750 | *26,140 | 16,940 | | | *25,370 | 16,150 | 31.1 ft |
| | 0 m kg | | | | | | | | *18,810 | 13,370 | *14,770 | 9,880 | *12,140 | 7,760 | | | *11,800 | 7,530 | 9.2 m |
| | 0 ft lb | | | | | | | | *31,560 | *31,560 | *40,760 | 28,840 | *32,020 | 21,330 | *26,280 | 16,770 | *26,030 | 16,620 | 30.2 ft |
| | -1.5 m kg | | | | | | | | *23,870 | 20,570 | *18,440 | 13,350 | *14,570 | 9,840 | | | *12,090 | 8,160 | 8.7 m |
| | -5 ft lb | | | | | | | | *51,950 | 44,230 | *39,990 | 28,790 | *31,550 | 21,260 | | | *26,670 | 18,020 | 28.5 ft |
| | -3.0 m kg | | | | *25,920 | *25,920 | *21,740 | 20,870 | *17,060 | 13,530 | *13,260 | 10,010 | | | | | *12,260 | 9,470 | 7.9 m |
| | -10 ft lb | | | | *59,010 | *59,010 | *47,190 | 44,880 | *36,900 | 29,190 | *28,360 | 21,680 | | | | | *27,030 | 21,010 | 25.7 ft |
| -4.5 m kg | | | | | | *17,920 | *17,920 | *13,820 | *13,820 | | | | | | | *11,950 | *11,950 | 6.6 m | |
| -15 ft lb | | | | | | *38,510 | *38,510 | *29,270 | *29,270 | | | | | | | *26,250 | *26,250 | 21.3 ft | |
| Boom 7.0 m 23'0" Arm 3.0 m 9'10" Shoe 800 mm 32" Counterweight 10,250 kg 22,600 lb | 9.0 m kg | | | | | | | | | | | | | | | | *10,550 | *10,550 | 7.2 m |
| | 30 ft lb | | | | | | | | | | | | | | | | *23,380 | *23,380 | 23.0 ft |
| | 7.5 m kg | | | | | | | | | *10,170 | *10,170 | | | | | | *10,260 | 9,580 | 8.3 m |
| | 25 ft lb | | | | | | | | | *22,400 | *22,400 | | | | | | *22,660 | 21,470 | 27.1 ft |
| | 6.0 m kg | | | | | | | | | *10,690 | *10,690 | *10,230 | 8,350 | | | | *10,030 | 8,160 | 9.1 m |
| | 20 ft lb | | | | | | | | | *23,320 | *23,320 | | | | | | *22,100 | 18,140 | 29.8 ft |
| | 4.5 m kg | | | | | | | | *18,580 | *18,580 | *13,870 | *13,870 | *11,680 | 10,830 | *10,560 | 8,190 | *10,110 | 7,370 | 9.6 m |
| | 15 ft lb | | | | | | | | *39,700 | *39,700 | *29,950 | *29,950 | *25,380 | 23,370 | *23,090 | 17,630 | *22,250 | 16,310 | 31.4 ft |
| | 3.0 m kg | | | | | | | | *16,040 | 14,210 | *12,850 | 10,380 | *11,130 | 7,970 | | | *10,480 | 6,960 | 9.8 m |
| | 10 ft lb | | | | | | | | *34,620 | 30,700 | *27,860 | 22,410 | *24,240 | 17,170 | | | *23,060 | 15,360 | 32.2 ft |
| | 1.5 m kg | | | | | | | | *17,710 | 13,570 | *13,870 | 10,000 | *11,670 | 7,760 | | | *10,840 | 6,840 | 9.8 m |
| | 5 ft lb | | | | | | | | *38,290 | 29,290 | *30,070 | 21,590 | *25,380 | 16,730 | | | *23,900 | 15,090 | 32.3 ft |
| | 0 m kg | | | | | | | | *16,980 | *16,980 | *18,520 | 13,230 | *14,490 | 9,750 | *11,970 | 7,620 | *11,170 | 7,010 | 9.6 m |
| | 0 ft lb | | | | | | | | *39,800 | *39,800 | *40,120 | 28,540 | *31,420 | 21,050 | *25,960 | 16,460 | *24,630 | 15,460 | 31.5 ft |
| | -1.5 m kg | | | | *13,020 | *13,020 | *24,400 | 20,220 | *18,450 | 13,150 | *14,530 | 9,670 | *11,700 | 7,620 | | | *11,520 | 7,530 | 9.1 m |
| | -5 ft lb | | | | *29,700 | *29,700 | *53,010 | 43,480 | *39,990 | 28,350 | *31,460 | 20,870 | | | | | *25,410 | 16,620 | 29.8 ft |
| | -3.0 m kg | | | | *24,200 | *24,200 | *22,560 | 20,480 | *17,420 | 13,270 | *13,670 | 9,770 | | | | | *11,820 | 8,610 | 8.3 m |
| | -10 ft lb | | | | *54,900 | *54,900 | *48,940 | 44,050 | *37,690 | 28,620 | *29,430 | 21,110 | | | | | *26,070 | 19,090 | 27.1 ft |
| -4.5 m kg | | | | | | *19,280 | *19,280 | *14,920 | 13,630 | | | | | | | *11,860 | 10,900 | 7.1 m | |
| -15 ft lb | | | | | | *41,530 | *41,530 | *31,940 | 29,440 | | | | | | | *26,120 | 24,420 | 23.0 ft | |

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 EC500F L FIXED undercarriage

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 | 1.5 m / 5'0" | | 3.0 m / 10'0" | | 4.5 m / 15'0" | | 6.0 m / 20'0" | | 7.5 m / 25'0" | | 9.0 m / 30'0" | | 10.5 m / 35'0" | | Max. | | | |
|--|--------------------------------------|--------------|-----------|---------------|-----------|---------------|-----------|---------------|-----------|---------------|--------------------------------|---------------|-----------|----------------|-----------|----------|-----------|--|--|
| | | 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 | Along UC | Across UC | | |
| Boom 7.0 m 23'0" Arm 3.35 m 11'0" Shoe 800 mm 32" Counterweight 10,250 kg 22,600 lb | 9.0 m kg | | | | | | | | | | | | | | | | | *9,590 *9,590 7.6 m | |
| | 30 ft lb | | | | | | | | | | | | | | | | | *21,330 *21,330 24.5 ft | |
| | 7.5 m kg | | | | | | | | | | *9,660 *9,660 | | | | | | | *9,010 8,980 8.7 m | |
| | 25 ft lb | | | | | | | | | | *21,240 *21,240 | | | | | | | *19,920 *19,920 28.4 ft | |
| | 6.0 m kg | | | | | | | | | | *10,250 *10,250 *9,780 8,460 | | | | | | | *8,810 7,740 9.5 m | |
| | 20 ft lb | | | | | | | | | | *22,370 *22,370 *21,530 18,180 | | | | | | | *19,430 17,200 30.9 ft | |
| | 4.5 m kg | | | | | | | | | | | | | | | | | | *8,870 7,030 9.9 m |
| | 15 ft lb | | | | | | | | | | | | | | | | | | *19,550 15,560 32.6 ft |
| | 3.0 m kg | | | | | | | | | | | | | | | | | | *9,180 6,660 10.2 m |
| | 10 ft lb | | | | | | | | | | | | | | | | | | *20,210 14,700 33.3 ft |
| | 1.5 m kg | | | | | | | | | | | | | | | | | | *9,770 6,550 10.2 m |
| | 5 ft lb | | | | | | | | | | | | | | | | | | *21,490 14,430 33.3 ft |
| | 0 m kg | | | | | | | | | | | | | | | | | | *18,080 *18,080 *18,420 13,310 *14,400 9,800 *11,910 7,640 |
| | 0 ft lb | | | | | | | | | | | | | | | | | | *42,130 *42,130 *39,900 28,710 *31,210 21,150 *25,850 16,480 |
| | -1.5 m kg | | | | | | | | | | | | | | | | | | *13,060 *13,060 *24,870 20,210 *18,570 13,170 *14,590 9,680 *11,860 7,590 |
| | -5 ft lb | | | | | | | | | | | | | | | | | | *29,650 *29,650 *53,980 43,460 *40,250 28,390 *31,600 20,880 *25,610 16,400 |
| -3.0 m kg | | | | | | | | | | | | | | | | | | *22,320 *22,320 *23,300 20,420 *17,790 13,240 *13,990 9,720 | |
| -10 ft lb | | | | | | | | | | | | | | | | | | *50,560 *50,560 *50,510 43,910 *38,510 28,550 *30,180 21,000 | |
| -4.5 m kg | | | | | | | | | | | | | | | | | | *27,100 *27,100 *20,380 *20,380 *15,720 13,520 *11,750 10,030 | |
| -15 ft lb | | | | | | | | | | | | | | | | | | *58,530 *58,530 *43,950 *43,950 *33,760 29,200 | |
| Boom 7.0 m 23'0" Arm 3.9 m 12'10" Shoe 800 mm 32" Counterweight 10,250 kg 22,600 lb | 9.0 m kg | | | | | | | | | | | | | | | | | *7,670 *7,670 8.3 m | |
| | 30 ft lb | | | | | | | | | | | | | | | | | *17,030 *17,030 26.7 ft | |
| | 7.5 m kg | | | | | | | | | | | | | | | | | *8,950 8,690 | |
| | 25 ft lb | | | | | | | | | | | | | | | | | *17,400 *17,400 | |
| | 6.0 m kg | | | | | | | | | | | | | | | | | *16,030 *16,030 30.3 ft | |
| | 20 ft lb | | | | | | | | | | | | | | | | | *15,680 *15,680 32.7 ft | |
| | 4.5 m kg | | | | | | | | | | | | | | | | | *9,500 *9,500 *9,100 8,590 | |
| | 15 ft lb | | | | | | | | | | | | | | | | | *7,110 *7,110 10.0 m | |
| | 3.0 m kg | | | | | | | | | | | | | | | | | *20,730 *20,730 *19,990 18,460 | |
| | 10 ft lb | | | | | | | | | | | | | | | | | *15,680 *15,680 32.7 ft | |
| | 1.5 m kg | | | | | | | | | | | | | | | | | *12,290 *12,290 *10,610 *10,610 *9,660 8,360 | |
| | 5 ft lb | | | | | | | | | | | | | | | | | *7,170 6,520 10.4 m | |
| | 0 m kg | | | | | | | | | | | | | | | | | *26,560 *26,560 *23,050 *23,050 *21,100 18,000 | |
| | 0 ft lb | | | | | | | | | | | | | | | | | *15,780 14,440 34.2 ft | |
| | -1.5 m kg | | | | | | | | | | | | | | | | | | *20,310 *20,310 *14,630 14,620 *11,920 10,590 *10,400 8,080 *8,970 6,350 *7,410 6,190 10.7 m |
| | -5 ft lb | | | | | | | | | | | | | | | | | | *43,590 *43,590 *31,600 31,580 *25,850 22,850 *22,640 17,420 |
| -3.0 m kg | | | | | | | | | | | | | | | | | | *19,980 *19,980 *16,690 13,830 *13,150 10,130 *11,130 7,820 *9,590 6,220 *7,840 6,080 10.7 m | |
| -10 ft lb | | | | | | | | | | | | | | | | | | *47,690 44,840 *36,090 29,850 *28,520 21,860 *24,190 16,850 | |
| -4.5 m kg | | | | | | | | | | | | | | | | | | *19,930 *19,930 *18,020 13,320 *14,070 9,800 *11,680 7,610 | |
| -15 ft lb | | | | | | | | | | | | | | | | | | *8,540 6,190 10.4 m | |
| 0 ft lb | | | | | | | | | | | | | | | | | | *46,250 43,450 *39,020 28,740 *30,510 21,130 *25,350 16,420 | |
| -1.5 m kg | | | | | | | | | | | | | | | | | | *9,160 *9,160 *13,080 *13,080 *25,070 20,030 *18,500 13,090 *14,490 9,610 *11,860 7,510 | |
| -5 ft lb | | | | | | | | | | | | | | | | | | *20,470 *20,470 *29,570 *29,570 *54,550 43,100 *40,100 28,230 *31,400 20,740 *25,690 16,200 | |
| -3.0 m kg | | | | | | | | | | | | | | | | | | *15,370 *15,370 *20,220 *20,220 *24,050 20,150 *18,090 13,080 *14,220 9,590 *11,340 7,550 | |
| -10 ft lb | | | | | | | | | | | | | | | | | | *34,440 *34,440 *45,710 *45,710 *52,130 43,350 *39,180 28,210 *30,750 20,710 *24,310 16,330 | |
| -4.5 m kg | | | | | | | | | | | | | | | | | | *29,520 *29,520 *21,700 20,510 *16,580 13,290 *12,840 9,770 | |
| -15 ft lb | | | | | | | | | | | | | | | | | | *64,650 *64,650 *46,850 44,140 *35,720 28,680 *27,450 21,150 | |
| -6.0 m kg | | | | | | | | | | | | | | | | | | *17,340 *17,340 *13,010 *13,010 | |
| -20 ft lb | | | | | | | | | | | | | | | | | | *36,880 *36,880 *27,260 *27,260 | |

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 EC500F L FIXED undercarriage

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 | 1.5 m / 5'0" | | 3.0 m / 10'0" | | 4.5 m / 15'0" | | 6.0 m / 20'0" | | 7.5 m / 25'0" | | 9.0 m / 30'0" | | 10.5 m / 35'0" | | Max. | | | | |
|---|--------------------------------------|--------------|-----------|---------------|-----------|---------------|-----------|---------------|-----------|---------------|-----------|---------------|-----------|----------------|-----------|----------|-----------|---------|---------|---------|
| | | 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 | Along UC | Across UC | | | |
| Boom 7.4 m 24'3" Arm 4.3 m 14'1" Shoe 800 mm 32" Counterweight 10,250 kg 22,600 lb | 9.0 m kg | | | | | | | | | | | | | | | | *8,260 | *8,260 | 8.8 m | |
| | 30 ft lb | | | | | | | | | | | | | | | | *18,250 | *18,250 | 28.6 ft | |
| | 7.5 m kg | | | | | | | | | | | | *8,200 | *8,200 | | | *8,230 | 7,470 | 9.8 m | |
| | 25 ft lb | | | | | | | | | | | | *18,060 | *18,060 | | | *18,140 | 16,680 | 32.0 ft | |
| | 6.0 m kg | | | | | | | | | | | | *8,570 | 8,530 | | | *8,310 | 6,540 | 10.5 m | |
| | 20 ft lb | | | | | | | | | | | | *18,740 | 18,350 | | | *18,300 | 14,530 | 34.3 ft | |
| | 4.5 m kg | | | | | | | | *12,090 | *12,090 | *10,280 | *10,280 | *9,200 | 8,230 | *8,570 | 6,390 | *8,460 | 5,980 | 10.9 m | |
| | 15 ft lb | | | | | | | | *26,110 | *26,110 | *22,310 | *22,310 | *20,050 | 17,740 | *18,760 | 13,720 | *18,650 | 13,230 | 35.7 ft | |
| | 3.0 m kg | | | | | | *20,090 | *20,090 | *14,360 | 14,310 | *11,570 | 10,360 | *9,960 | 7,900 | *8,970 | 6,210 | *8,690 | 5,660 | 11.1 m | |
| | 10 ft lb | | | | | | *43,120 | *43,120 | *31,000 | 30,910 | *25,070 | 22,370 | *21,660 | 17,030 | *19,560 | 13,350 | *19,140 | 12,490 | 36.4 ft | |
| | 1.5 m kg | | | | | | *18,350 | *18,350 | *16,310 | 13,420 | *12,760 | 9,840 | *10,690 | 7,580 | *9,370 | 6,030 | *8,960 | 5,530 | 11.1 m | |
| | 5 ft lb | | | | | | *43,500 | 43,400 | *35,250 | 28,980 | *27,650 | 21,240 | *23,220 | 16,350 | *20,390 | 12,980 | *19,750 | 12,190 | 36.4 ft | |
| | 0 m kg | | | | | | *18,050 | *18,050 | *17,550 | 12,850 | *13,640 | 9,450 | *11,250 | 7,340 | *9,640 | 5,890 | 9,180 | 5,580 | 10.9 m | |
| | 0 ft lb | | | | | | *41,710 | *41,710 | *37,990 | 27,730 | *29,550 | 20,400 | *24,410 | 15,820 | 20,850 | 12,690 | 20,230 | 12,320 | 35.7 ft | |
| | -1.5 m kg | | | *12,220 | *12,220 | *22,070 | 19,280 | *17,980 | 12,590 | *14,050 | 9,230 | *11,490 | 7,190 | | | | | 9,660 | 5,860 | 10.5 m |
| | -5 ft lb | | | *27,550 | *27,550 | *50,540 | 41,470 | *38,960 | 27,140 | *30,450 | 19,920 | *24,910 | 15,510 | | | | | *21,320 | 12,930 | 34.3 ft |
| | -3.0 m kg | *14,210 | *14,210 | *18,130 | *18,130 | *23,370 | 19,390 | *17,620 | 12,550 | *13,880 | 9,180 | *11,250 | 7,170 | | | | | *10,070 | 6,440 | 9.8 m |
| | -10 ft lb | *31,790 | *31,790 | *40,900 | *40,900 | *50,670 | 41,700 | *38,160 | 27,060 | *30,030 | 19,800 | *24,270 | 15,490 | | | | | *22,230 | 14,250 | 32.0 ft |
| | -4.5 m kg | | | *25,410 | *25,410 | *21,280 | 19,720 | *16,360 | 12,720 | *12,910 | 9,290 | | | | | | | *10,470 | 7,550 | 8.8 m |
| | -15 ft lb | | | *57,510 | *57,510 | *46,020 | 42,430 | *35,320 | 27,430 | *27,780 | 20,080 | | | | | | | *23,130 | 16,810 | 28.6 ft |
| -6.0 m kg | | | | | *17,750 | *17,750 | *13,770 | 13,110 | | | | | | | | | *10,730 | 9,900 | 7.4 m | |
| -20 ft lb | | | | | *38,010 | *38,010 | *29,350 | 28,340 | | | | | | | | | *23,670 | 22,360 | 23.8 ft | |
| Boom 6.5 m 21'4" Arm 2.55 m 8'4" Shoe 900 mm 36" Counterweight 10,250 kg 22,600 lb | 7.5 m kg | | | | | | | | | | | | | | | | *11,950 | *11,950 | 7.3 m | |
| | 25 ft lb | | | | | | | | | | | | | | | | | *26,460 | *26,460 | 23.5 ft |
| | 6.0 m kg | | | | | | | | *13,070 | *13,070 | *11,980 | 11,330 | | | | | *11,480 | 9,860 | 8.2 m | |
| | 20 ft lb | | | | | | | | *28,410 | *28,410 | *26,290 | 24,380 | | | | | | *25,320 | 21,960 | 26.6 ft |
| | 4.5 m kg | | | | | | | | *19,490 | *19,490 | *14,850 | *14,850 | *12,710 | 11,030 | | | | *11,480 | 8,760 | 8.7 m |
| | 15 ft lb | | | | | | | | *41,770 | *41,770 | *32,140 | *32,140 | *27,690 | 23,780 | | | | *25,290 | 19,400 | 28.5 ft |
| | 3.0 m kg | | | | | | | | *22,510 | 21,870 | *16,860 | 14,600 | *13,700 | 10,650 | | | | *11,870 | 8,220 | 8.9 m |
| | 10 ft lb | | | | | | | | *51,200 | 47,260 | *36,450 | 31,530 | *29,760 | 22,980 | | | | *26,150 | 18,160 | 29.3 ft |
| | 1.5 m kg | | | | | | | | *16,340 | *16,340 | *18,380 | 14,020 | *14,550 | 10,330 | | | | *12,370 | 8,090 | 8.9 m |
| | 5 ft lb | | | | | | | | *40,390 | *40,390 | *39,780 | 30,270 | *31,580 | 22,290 | | | | *27,270 | 17,850 | 29.3 ft |
| | 0 m kg | | | | | | | | *24,100 | 20,880 | *18,980 | 13,730 | *14,940 | 10,130 | | | | *12,680 | 8,360 | 8.7 m |
| | 0 ft lb | | | | | | | | *55,700 | 44,910 | *41,150 | 29,610 | *32,390 | 21,870 | | | | *27,960 | 18,440 | 28.5 ft |
| | -1.5 m kg | | | *17,720 | *17,720 | *24,350 | 20,970 | *18,550 | 13,690 | *14,510 | 10,120 | | | | | | | *12,970 | 9,150 | 8.1 m |
| | -5 ft lb | | | *40,440 | *40,440 | *52,910 | 45,110 | *40,200 | 29,520 | *31,320 | 21,860 | | | | | | | *28,600 | 20,220 | 26.6 ft |
| | -3.0 m kg | | | *27,940 | *27,940 | *21,730 | 21,300 | *16,750 | 13,880 | | | | | | | | | *13,050 | 10,880 | 7.2 m |
| -10 ft lb | | | *60,790 | *60,790 | *47,070 | 45,830 | *36,100 | 29,970 | | | | | | | | | *28,770 | 24,180 | 23.6 ft | |
| -4.5 m kg | | | | | *16,670 | *16,670 | | | | | | | | | | | | | 5.8 m | |
| -15 ft lb | | | | | *35,490 | *35,490 | | | | | | | | | | | | | 18.7 ft | |

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 EC500F L FIXED undercarriage

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 | 1.5 m / 5'0" | | 3.0 m / 10'0" | | 4.5 m / 15'0" | | 6.0 m / 20'0" | | 7.5 m / 25'0" | | 9.0 m / 30'0" | | 10.5 m / 35'0" | | Max. | | | | | |
|---|--------------------------------------|--------------|-----------|---------------|-----------|---------------|-----------|---------------|-----------|---------------|-----------|---------------|-----------|----------------|-----------|----------|-----------|---------|---------|---------|---------|
| | | 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 | Along UC | Across UC | | | | |
| Boom 6.5 m 21'4" Arm 3.0 m 9'10" Shoe 900 mm 36" Counterweight 10,250 kg 22,600 lb | 7.5 m kg | | | | | | | | | | | *11,030 | *11,030 | | | | | *10,100 | *10,100 | 7.7 m | |
| | 25 ft lb | | | | | | | | | | | *22,400 | *22,400 | | | | | *22,360 | *22,360 | 25 ft | |
| | 6.0 m kg | | | | | | | | | | | *11,210 | *11,210 | | | | | *9,800 | 9,160 | 8.5 m | |
| | 20 ft lb | | | | | | | | | | | *24,550 | 24,530 | | | | | *21,630 | 20,380 | 27.9 ft | |
| | 4.5 m kg | | | | | | | *17,910 | *17,910 | *13,970 | *13,970 | *12,050 | 11,050 | *10,790 | 8,280 | | | *9,880 | 8,190 | 9.1 m | |
| | 15 ft lb | | | | | | | *38,420 | *38,420 | *30,240 | *30,240 | *26,240 | 23,820 | | | | | *21,750 | 18,130 | 29.7 ft | |
| | 3.0 m kg | | | | | | | *22,350 | 22,180 | *16,080 | 14,660 | *13,140 | 10,630 | *11,560 | 8,110 | | | *10,260 | 7,690 | 9.3 m | |
| | 10 ft lb | | | | | | | *48,010 | 47,890 | *34,760 | 31,640 | *28,530 | 22,940 | *25,230 | 17,460 | | | *22,590 | 16,990 | 30.5 ft | |
| | 1.5 m kg | | | | | | | *23,460 | 21,050 | *17,810 | 13,990 | *14,120 | 10,260 | *11,980 | 7,930 | | | *11,020 | 7,560 | 9.3 m | |
| | 5 ft lb | | | | | | | *54,140 | 45,360 | *38,530 | 30,200 | *30,640 | 22,140 | *26,060 | 17,100 | | | *24,250 | 16,670 | 30.5 ft | |
| | 0 m kg | | | | | | | *25,640 | 20,670 | *18,700 | 13,610 | *14,700 | 10,010 | *12,080 | 7,820 | | | *12,000 | 7,770 | 9.0 m | |
| | 0 ft lb | | | | | | | *55,590 | 44,480 | *40,520 | 29,350 | *31,870 | 21,610 | | | | | *26,470 | 17,130 | 29.7 ft | |
| | -1.5 m kg | | | | *18,310 | *18,310 | *24,800 | 20,670 | *18,600 | 13,490 | *14,580 | 9,930 | | | | | | *12,370 | 8,420 | 8.5 m | |
| | -5 ft lb | | | | *41,500 | *41,500 | *53,830 | 44,470 | *40,300 | 29,100 | *31,530 | 21,450 | | | | | | *27,300 | 18,600 | 27.9 ft | |
| | -3.0 m kg | | | | *30,440 | *30,440 | *22,650 | 20,930 | *17,280 | 13,620 | *13,140 | 10,090 | | | | | | *12,660 | 9,830 | 7.7 m | |
| | -10 ft lb | | | | *66,150 | *66,150 | *49,060 | 45,040 | *37,320 | 29,390 | *27,990 | 21,840 | | | | | | *27,920 | 21,810 | 25.0 ft | |
| -4.5 m kg | | | | | | | *18,460 | *18,460 | *13,700 | *13,700 | | | | | | | *12,500 | *12,500 | 6.3 m | | |
| -15 ft lb | | | | | | | *39,570 | *39,570 | *28,830 | *28,830 | | | | | | | *27,490 | *27,490 | 20.5 ft | | |
| Boom 7.0 m 23'0" Arm 2.55 m 8'4" Shoe 900 mm 36" Counterweight 10,250 kg 22,600 lb | 9.0 m kg | | | | | | | | | | | | | | | | | *11,570 | *11,570 | 6.6 m | |
| | 30 ft lb | | | | | | | | | | | | | | | | | *25,690 | *25,690 | 21.3 ft | |
| | 7.5 m kg | | | | | | | | | | | | *11,020 | *11,020 | | | | *11,110 | 10,490 | 7.9 m | |
| | 25 ft lb | | | | | | | | | | | | *24,380 | *24,380 | | | | *24,550 | 23,550 | 25.6 ft | |
| | 6.0 m kg | | | | | | | | | | | | *12,750 | *12,750 | *11,380 | 11,290 | | *11,010 | 8,840 | 8.7 m | |
| | 20 ft lb | | | | | | | | | | | | *27,630 | *27,630 | *24,840 | 24,320 | | *24,280 | 19,660 | 28.5 ft | |
| | 4.5 m kg | | | | | | | | | | | | *14,750 | *14,750 | *12,310 | 10,910 | *11,140 | 8,280 | *11,080 | 7,950 | 9.2 m |
| | 15 ft lb | | | | | | | | | | | | *43,430 | *43,430 | *31,820 | *31,820 | *26,740 | 23,550 | *24,440 | 17,810 | 30.2 ft |
| | 3.0 m kg | | | | | | | | | | | | *16,820 | 14,280 | *13,400 | 10,500 | *11,600 | 8,100 | *11,260 | 7,500 | 9.5 m |
| | 10 ft lb | | | | | | | | | | | | *36,310 | 30,870 | *29,050 | 22,670 | *25,280 | 17,450 | *24,810 | 16,570 | 31.1 ft |
| | 1.5 m kg | | | | | | | | | | | | *18,280 | 13,740 | *14,300 | 10,170 | *12,030 | 7,920 | *11,510 | 7,390 | 9.5 m |
| | 5 ft lb | | | | | | | | | | | | *39,530 | 29,660 | *31,010 | 21,950 | *26,140 | 17,100 | *25,370 | 16,300 | 31.1 ft |
| | 0 m kg | | | | | | | | | | | | *18,810 | 13,490 | *14,770 | 9,970 | *12,140 | 7,840 | *11,800 | 7,610 | 9.2 m |
| | 0 ft lb | | | | | | | | | | | | *31,560 | *31,560 | *40,760 | 29,110 | *32,020 | 21,530 | *26,280 | 16,930 | 30.2 ft |
| | -1.5 m kg | | | | | | | | | | | | *23,870 | 20,760 | *18,440 | 13,470 | *14,570 | 9,940 | *12,090 | 8,230 | 8.7 m |
| | -5 ft lb | | | | | | | | | | | | *51,950 | 44,620 | *39,990 | 29,060 | *31,550 | 21,460 | *26,670 | 18,190 | 28.5 ft |
| -3.0 m kg | | | | | | | | | | | | *25,920 | *25,920 | *21,740 | 21,050 | *17,060 | 13,650 | *13,260 | 10,110 | 7.9 m | |
| -10 ft lb | | | | | | | | | | | | *59,010 | *59,010 | *47,190 | 45,280 | *36,900 | 29,450 | *28,360 | 21,880 | 25.7 ft | |
| -4.5 m kg | | | | | | | | | | | | *17,920 | *17,920 | *13,820 | *13,820 | | | *11,950 | *11,950 | 6.6 m | |
| -15 ft lb | | | | | | | | | | | | *38,510 | *38,510 | *29,270 | *29,270 | | | *26,250 | *26,250 | 21.3 ft | |

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 EC500F L FIXED undercarriage

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 | 1.5 m / 5'0" | | 3.0 m / 10'0" | | 4.5 m / 15'0" | | 6.0 m / 20'0" | | 7.5 m / 25'0" | | 9.0 m / 30'0" | | 10.5 m / 35'0" | | Max. | | | | |
|--|--------------------------------------|--------------|-----------|---------------|-----------|---------------|-----------|---------------|-----------|---------------|-----------|---------------|-----------|----------------|-----------|----------|-----------|---------|---------|---------|
| | | 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 | Along UC | Across UC | | | |
| Boom 7.0 m 23'0" Arm 3.0 m 9'10" Shoe 900 mm 36" Counterweight 10,250 kg 22,600 lb | 9.0 m kg | | | | | | | | | | | | | | | | *10,550 | *10,550 | 7.2 m | |
| | 30 ft lb | | | | | | | | | | | | | | | | | *23,380 | *23,380 | 23.0 ft |
| | 7.5 m kg | | | | | | | | | *10,170 | *10,170 | | | | | | | *10,260 | 9,660 | 8.3 m |
| | 25 ft lb | | | | | | | | | *22,400 | *22,400 | | | | | | | *22,660 | 21,650 | 27.1 ft |
| | 6.0 m kg | | | | | | | | | *10,690 | *10,690 | *10,230 | 8,420 | | | | | *10,030 | 8,230 | 9.1 m |
| | 20 ft lb | | | | | | | | | *23,320 | *23,320 | | | | | | | *22,100 | 18,300 | 29.8 ft |
| | 4.5 m kg | | | | | *18,580 | *18,580 | *13,870 | *13,870 | *11,680 | 10,920 | *10,560 | 8,270 | | | | | *10,110 | 7,430 | 9.6 m |
| | 15 ft lb | | | | | *39,700 | *39,700 | *29,950 | *29,950 | *25,380 | 23,570 | *23,090 | 17,790 | | | | | *22,250 | 16,460 | 31.4 ft |
| | 3.0 m kg | | | | | | | | *16,040 | 14,330 | *12,850 | 10,470 | *11,130 | 8,040 | | | | *10,480 | 7,020 | 9.8 m |
| | 10 ft lb | | | | | | | | *34,620 | 30,960 | *27,860 | 22,610 | *24,240 | 17,330 | | | | *23,060 | 15,510 | 32.2 ft |
| | 1.5 m kg | | | | | | | | *17,710 | 13,690 | *13,870 | 10,090 | *11,670 | 7,830 | | | | *10,840 | 6,910 | 9.8 m |
| | 5 ft lb | | | | | | | | *38,290 | 29,560 | *30,070 | 21,790 | *25,380 | 16,890 | | | | *23,900 | 15,240 | 32.3 ft |
| | 0 m kg | | | | | *16,980 | *16,980 | *18,520 | 13,350 | *14,490 | 9,850 | *11,970 | 7,700 | | | | | *11,170 | 7,080 | 9.6 m |
| | 0 ft lb | | | | | *39,800 | *39,800 | *40,120 | 28,810 | *31,420 | 21,250 | *25,960 | 16,620 | | | | | *24,630 | 15,610 | 31.5 ft |
| | -1.5 m kg | | | *13,020 | *13,020 | *24,400 | 20,400 | *18,450 | 13,270 | *14,530 | 9,760 | *11,700 | 7,690 | | | | | *11,520 | 7,600 | 9.1 m |
| | -5 ft lb | | | *29,700 | *29,700 | *53,010 | 43,870 | *39,990 | 28,610 | *31,460 | 21,070 | | | | | | | *25,410 | 16,780 | 29.8 ft |
| | -3.0 m kg | | | *24,200 | *24,200 | *22,560 | 20,660 | *17,420 | 13,390 | *13,670 | 9,860 | | | | | | | *11,820 | 8,690 | 8.3 m |
| -10 ft lb | | | *54,900 | *54,900 | *48,940 | 44,450 | *37,690 | 28,880 | *29,430 | 21,310 | | | | | | | *26,070 | 19,270 | 27.1 ft | |
| -4.5 m kg | | | | | *19,280 | *19,280 | *14,920 | 13,750 | | | | | | | | | *11,860 | 11,000 | 7.1 m | |
| -15 ft lb | | | | | *41,530 | *41,530 | *31,940 | 29,710 | | | | | | | | | *26,120 | 24,640 | 23.0 ft | |
| Boom 7.0 m 23'0" Arm 3.35 m 11'0" Shoe 900 mm 36" Counterweight 10,250 kg 22,600 lb | 9.0 m kg | | | | | | | | | *9,920 | *9,920 | | | | | | *9,590 | *9,590 | 7.6 m | |
| | 30 ft lb | | | | | | | | | | | | | | | | | *21,330 | *21,330 | 24.5 ft |
| | 7.5 m kg | | | | | | | | | *9,660 | *9,660 | | | | | | | *9,010 | *9,010 | 8.7 m |
| | 25 ft lb | | | | | | | | | *21,240 | *21,240 | | | | | | | *19,920 | *19,920 | 28.4 ft |
| | 6.0 m kg | | | | | | | | | *10,250 | *10,250 | *9,780 | 8,540 | | | | | *8,810 | 7,810 | 9.5 m |
| | 20 ft lb | | | | | | | | | *22,370 | *22,370 | *21,530 | 18,340 | | | | | *19,430 | 17,350 | 30.9 ft |
| | 4.5 m kg | | | | | *17,440 | *17,440 | *13,310 | *13,310 | *11,310 | 11,040 | *10,230 | 8,350 | | | | | *8,870 | 7,090 | 9.9 m |
| | 15 ft lb | | | | | *37,330 | *37,330 | *28,740 | *28,740 | *24,560 | 23,820 | *22,360 | 17,970 | | | | | *19,550 | 15,700 | 32.6 ft |
| | 3.0 m kg | | | | | *22,110 | 21,830 | *15,560 | 14,520 | *12,540 | 10,580 | *10,880 | 8,100 | | | | | *9,180 | 6,720 | 10.2 m |
| | 10 ft lb | | | | | *47,410 | 47,170 | *33,590 | 31,370 | *27,190 | 22,830 | *23,690 | 17,470 | | | | | *20,210 | 14,840 | 33.3 ft |
| | 1.5 m kg | | | | | *14,660 | *14,660 | *17,400 | 13,830 | *13,650 | 10,170 | *11,510 | 7,870 | | | | | *9,770 | 6,610 | 10.2 m |
| | 5 ft lb | | | | | *35,340 | *35,340 | *37,610 | 29,860 | *29,590 | 21,950 | *25,010 | 16,980 | | | | | *21,490 | 14,570 | 33.3 ft |
| | 0 m kg | | | | | *18,080 | *18,080 | *18,420 | 13,430 | *14,400 | 9,890 | *11,910 | 7,710 | | | | | *10,710 | 6,750 | 9.9 m |
| | 0 ft lb | | | | | *42,130 | *42,130 | *39,900 | 28,970 | *31,210 | 21,350 | *25,850 | 16,640 | | | | | *23,610 | 14,890 | 32.6 ft |
| | -1.5 m kg | | | *13,060 | *13,060 | *24,870 | 20,390 | *18,570 | 13,290 | *14,590 | 9,770 | *11,860 | 7,660 | | | | | *11,100 | 7,200 | 9.4 m |
| | -5 ft lb | | | *29,650 | *29,650 | *53,980 | 43,850 | *40,250 | 28,660 | *31,600 | 21,080 | *25,610 | 16,560 | | | | | *24,500 | 15,910 | 31.0 ft |
| | -3.0 m kg | | | *22,320 | *22,320 | *23,300 | 20,600 | *17,790 | 13,360 | *13,990 | 9,810 | | | | | | | *11,440 | 8,140 | 8.7 m |
| -10 ft lb | | | *50,560 | *50,560 | *50,510 | 44,310 | *38,510 | 28,810 | *30,180 | 21,200 | | | | | | | *25,250 | 18,040 | 28.4 ft | |
| -4.5 m kg | | | *27,100 | *27,100 | *20,380 | *20,380 | *15,720 | 13,650 | *11,750 | 10,120 | | | | | | | *11,610 | 10,040 | 7.5 m | |
| -15 ft lb | | | | | *58,530 | *58,530 | *43,950 | *43,950 | *33,760 | 29,470 | | | | | | | *25,590 | 22,450 | 24.5 ft | |

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 EC500F LR FIXED undercarriage

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 | 1.5 m / 5'0" | | 3.0 m / 10'0" | | 4.5 m / 15'0" | | 6.0 m / 20'0" | | 7.5 m / 25'0" | | 9.0 m / 30'0" | |
|---------------|--------------------------------------|--------------|-----------|---------------|-----------|---------------|-----------|---------------|-----------|---------------|-----------|---------------|-----------|
| | | Along UC | Across UC | Along UC | Across UC | Along UC | Across UC | Along UC | Across UC | Along UC | Across UC | Along UC | Across UC |
| | 12.0 m kg | | | | | | | | | | | | |
| | 40 ft lb | | | | | | | | | | | | |
| | 10.5 m kg | | | | | | | | | | | | |
| | 35 ft lb | | | | | | | | | | | | |
| | 9.0 m kg | | | | | | | | | | | | |
| | 30 ft lb | | | | | | | | | | | | |
| | 7.5 m kg | | | | | | | | | | | | |
| | 25 ft lb | | | | | | | | | | | | |
| | 6.0 m kg | | | | | | | | | | | | |
| | 20 ft lb | | | | | | | | | | | | |
| | 4.5 m kg | | | | | | | | | | | | |
| | 15 ft lb | | | | | | | | | | | | |
| Boom | 3.0 m kg | | | | | | | *11,710 | *11,710 | *9,260 | *9,260 | *7,860 | *7,860 |
| 9.0 m | 10 ft lb | | | | | | | *25,200 | *25,200 | *20,010 | *20,010 | *17,040 | *17,040 |
| 29'6" | 6.0 m kg | | | | | | | *13,920 | 13,440 | *10,660 | 9,980 | *8,800 | 7,760 |
| Arm | 5 ft lb | | | | | | | *30,020 | 29,060 | *23,060 | 21,560 | *19,080 | 16,750 |
| 6.0 m | 0 m kg | | | | | | | *15,550 | 12,630 | *11,840 | 9,410 | *9,640 | 7,370 |
| 19'8" | 0 ft lb | | | | | | | *33,600 | 27,270 | *25,620 | 20,320 | *20,900 | 15,900 |
| Shoe | -1.5 m kg | | | | | *8,350 | *8,350 | *16,540 | 12,180 | *12,690 | 9,030 | *10,300 | 7,080 |
| 900 mm | -5 ft lb | | | | | *19,120 | *19,120 | *35,810 | 26,270 | *27,480 | 19,480 | *22,330 | 15,270 |
| 36" | -3.0 m kg | *5,620 | *5,620 | *7,230 | *7,230 | *11,090 | *11,090 | *16,990 | 11,990 | *13,190 | 8,820 | *10,730 | 6,900 |
| Counterweight | -10 ft lb | *12,630 | *12,630 | *16,330 | *16,330 | *25,280 | *25,280 | *36,810 | 25,840 | *28,580 | 19,030 | *23,270 | 14,890 |
| 10,600 kg | -4.5 m kg | *8,510 | *8,510 | *10,420 | *10,420 | *14,640 | *14,640 | *16,970 | 11,980 | *13,330 | 8,760 | *10,900 | 6,840 |
| 23,370 lb | -15 ft lb | *19,140 | *19,140 | *23,540 | *23,540 | *33,350 | *33,350 | *36,760 | 25,820 | *28,890 | 18,900 | *23,610 | 14,760 |
| | -6.0 m kg | *11,730 | *11,730 | *14,180 | *14,180 | *19,250 | 18,820 | *16,470 | 12,120 | *13,080 | 8,820 | *10,730 | 6,880 |
| | -20 ft lb | *26,410 | *26,410 | *32,100 | *32,100 | *44,000 | 40,500 | *35,640 | 26,140 | *28,300 | 19,050 | *23,180 | 14,870 |
| | -7.5 m kg | *15,560 | *15,560 | *18,920 | *18,920 | *20,040 | 19,290 | *15,400 | 12,400 | *12,320 | 9,020 | *10,070 | 7,050 |
| | -25 ft lb | *35,160 | *35,160 | *43,030 | *43,030 | *43,180 | 41,570 | *33,180 | 26,790 | *26,520 | 19,510 | *21,600 | 15,270 |
| | -9.0 m kg | | | *23,860 | *23,860 | *17,290 | *17,290 | *13,450 | 12,870 | *10,730 | 9,400 | *8,400 | 7,430 |
| | -30 ft lb | | | *50,810 | *50,810 | *36,890 | *36,890 | *28,680 | 27,860 | *22,740 | 20,400 | *17,360 | 16,220 |

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 EC500F LR FIXED undercarriage

| | Lifting hook related to ground level | 10.5 m / 35'0" | | 12 m / 40'0" | | 13.5 m / 45'0" | | Max. | | | |
|---|--------------------------------------|----------------|-----------|--------------|-----------|----------------|-----------|----------|-----------|---------|---------|
| | | Along UC | Across UC | Along UC | Across UC | Along UC | Across UC | Along UC | Across UC | | |
| Boom 9.0 m 29'6" Arm 6.0 m 19'8" Shoe 900 mm 36" Counterweight 10,600 kg 23,370 lb | 12.0 m | kg | | | | | | | *4,860 | *4,860 | 11.2 m |
| | 40 ft | lb | | | | | | | *10,840 | *10,840 | 36.1 ft |
| | 10.5 m | kg | | | *5,370 | *5,370 | | | *4,520 | *4,520 | 12.3 m |
| | 35 ft | lb | | | *10,390 | *10,390 | | | *10,040 | *10,040 | 40.1 ft |
| | 9.0 m | kg | | | *5,220 | *5,220 | | | *4,320 | *4,320 | 13.2 m |
| | 30 ft | lb | | | *11,590 | *11,590 | | | *9,560 | *9,560 | 43.2 ft |
| | 7.5 m | kg | | | *5,330 | *5,330 | *5,470 | 4,620 | *4,210 | *4,210 | 13.9 m |
| | 25 ft | lb | | | *11,740 | *11,740 | *10,650 | 9,820 | *9,290 | *9,290 | 45.4 ft |
| | 6.0 m | kg | | | *5,600 | *5,600 | *5,550 | 4,560 | *4,160 | 3,980 | 14.4 m |
| | 20 ft | lb | *12,610 | *12,610 | *12,270 | 12,220 | *12,260 | 9,760 | *9,180 | 8,830 | 47.1 ft |
| | 4.5 m | kg | *6,340 | *6,340 | *5,970 | 5,500 | *5,760 | 4,460 | *4,170 | 3,760 | 14.7 m |
| | 15 ft | lb | *13,810 | *13,810 | *13,050 | 11,820 | *12,660 | 9,550 | *9,200 | 8,310 | 48.2 ft |
| | 3.0 m | kg | *6,980 | 6,530 | *6,410 | 5,280 | *6,040 | 4,320 | *4,240 | 3,620 | 14.8 m |
| | 10 ft | lb | *15,180 | 14,080 | *13,970 | 11,370 | *13,220 | 9,280 | *9,340 | 7,990 | 48.7 ft |
| | 1.5 m | kg | *7,630 | 6,220 | *6,860 | 5,070 | *6,340 | 4,190 | *4,360 | 3,560 | 14.8 m |
| | 5 ft | lb | *16,580 | 13,400 | *14,940 | 10,920 | *13,850 | 9,010 | *9,620 | 7,850 | 48.7 ft |
| | 0 m | kg | *8,230 | 5,940 | *7,280 | 4,890 | *6,620 | 4,080 | *4,560 | 3,570 | 14.7 m |
| | 0 ft | lb | *17,880 | 12,820 | *15,840 | 10,530 | *14,430 | 8,770 | *10,060 | 7,870 | 48.2 ft |
| | -1.5 m | kg | *8,720 | 5,740 | *7,630 | 4,750 | 6,710 | 4,000 | *4,840 | 3,660 | 14.4 m |
| | -5 ft | lb | *18,930 | 12,370 | *16,580 | 10,230 | 14,460 | 8,610 | *10,690 | 8,070 | 47.1 ft |
| | -3.0 m | kg | *9,050 | 5,600 | 7,840 | 4,660 | 6,680 | 3,970 | *5,240 | 3,840 | 13.9 m |
| | -10 ft | lb | *19,640 | 12,090 | 16,910 | 10,060 | *14,000 | 8,590 | *11,590 | 8,490 | 45.5 ft |
| | -4.5 m | kg | *9,170 | 5,560 | 7,830 | 4,650 | | | *5,810 | 4,150 | 13.2 m |
| | -15 ft | lb | *19,860 | 12,000 | 16,910 | 10,060 | | | *12,880 | 9,190 | 43.2 ft |
| | -6.0 m | kg | *8,970 | 5,610 | *7,450 | 4,760 | | | *6,660 | 4,640 | 12.3 m |
| | -20 ft | lb | *19,340 | 12,140 | *15,790 | 10,370 | | | *14,840 | 10,340 | 40.1 ft |
| | -7.5 m | kg | *8,180 | 5,810 | | | | | *7,280 | 5,460 | 11.1 m |
| | -25 ft | lb | *17,280 | 12,640 | | | | | *16,090 | 12,230 | 36.2 ft |
| | -9.0 m | kg | | | | | | | *7,370 | 6,930 | 9.6 m |
| -30 ft | lb | | | | | | | *16,240 | 15,740 | 30.9 ft | |

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 EC500F L RETRACTABLE undercarriage

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 | 1.5 m/5'0" | | 3.0 m/10'0" | | 4.5 m/15'0" | | 6.0 m/20'0" | | 7.5 m/25'0" | | 9.0 m/30'0" | | 10.5 m/35'0" | | Max. | | | | | | | | | | | | | |
|---|--------------------------------------|------------|-----------|-------------|-----------|-------------|-----------|-------------|-----------|-------------|-----------|-------------|-----------|--------------|-----------|----------|-----------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| | | 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 | Along UC | Across UC | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Boom 6.5 m 21'4" Arm 2.55 m 8'4" Shoe 800 mm 32" Counterweight 10,250 kg 22,600 lb | 7.5 m kg | | | | | | | | | | | | | | | | *11,880 | *11,880 | 7.3 m | | | | | | | | | | |
| | 25 ft lb | | | | | | | | | | | | | | | | *26,330 | *26,330 | 23.8 ft | | | | | | | | | | |
| | 6.0 m kg | | | | | | | | *13,180 | *13,180 | *12,020 | *12,020 | | | | | *11,450 | 10,410 | 8.2 m | | | | | | | | | | |
| | 20 ft lb | | | | | | | | *28,630 | *28,630 | *26,340 | 25,970 | | | | | *25,280 | 23,170 | 26.8 ft | | | | | | | | | | |
| | 4.5 m kg | | | | | | | *19,840 | *19,840 | *15,000 | *15,000 | *12,780 | 11,750 | | | | *11,490 | 9,300 | 8.7 m | | | | | | | | | | |
| | 15 ft lb | | | | | | | *42,490 | *42,490 | *32,450 | *32,450 | *27,830 | 25,330 | | | | *25,310 | 20,590 | 28.6 ft | | | | | | | | | | |
| | 3.0 m kg | | | | | | | | *17,000 | 15,610 | *13,770 | 11,370 | | | | | *11,930 | 8,770 | 9.0 m | | | | | | | | | | |
| | 10 ft lb | | | | | | | | *51,740 | 50,860 | *36,740 | 33,700 | *29,910 | 24,530 | | | | *26,250 | 19,370 | 29.4 ft | | | | | | | | | |
| | 1.5 m kg | | | | | | | | *16,620 | *16,620 | *18,460 | 15,040 | *14,600 | 11,050 | | | | *12,400 | 8,670 | 8.9 m | | | | | | | | | |
| | 5 ft lb | | | | | | | | *40,860 | *40,860 | *39,950 | 32,460 | *31,680 | 23,840 | | | | *27,320 | 19,120 | 29.3 ft | | | | | | | | | |
| | 0 m kg | | | | | | | | *24,930 | 22,640 | *18,990 | 14,760 | *14,940 | 10,860 | | | | *12,700 | 9,000 | 8.6 m | | | | | | | | | |
| | 0 ft lb | | | | | | | | *55,590 | 48,670 | *41,160 | 31,840 | *32,390 | 23,450 | | | | *28,010 | 19,840 | 28.4 ft | | | | | | | | | |
| | -1.5 m kg | | | | | | | | | | | | | | | | | *12,980 | 9,900 | 8.1 m | | | | | | | | | |
| | -5 ft lb | | | | | | | | | | | | | | | | | *28,630 | 21,870 | 26.4 ft | | | | | | | | | |
| | -3.0 m kg | | | | | | | | | | | | | | | | | *13,040 | 11,870 | 7.1 m | | | | | | | | | |
| -10 ft lb | | | | | | | | | | | | | | | | | *28,740 | 26,390 | 23.3 ft | | | | | | | | | | |
| -4.5 m kg | | | | | | | | | | | | | | | | | *10,060 | *10,060 | 7.8 m | | | | | | | | | | |
| 15 ft lb | | | | | | | | | | | | | | | | | *22,270 | *22,270 | 25.3 ft | | | | | | | | | | |
| Boom 6.5 m 21'4" Arm 3.0 m 9'10" Shoe 800 mm 32" Counterweight 10,250 kg 22,600 lb | 7.5 m kg | | | | | | | | | | | | | | | | *9,800 | 9,680 | 8.6 m | | | | | | | | | | |
| | 25 ft lb | | | | | | | | | | | | | | | | *21,620 | 21,530 | 28.1 ft | | | | | | | | | | |
| | 6.0 m kg | | | | | | | | | | | | | | | | *9,900 | 8,700 | 9.1 m | | | | | | | | | | |
| | 20 ft lb | | | | | | | | | | | | | | | | *21,790 | 19,260 | 29.8 ft | | | | | | | | | | |
| | 4.5 m kg | | | | | | | | | | | | | | | | *10,310 | 8,220 | 9.3 m | | | | | | | | | | |
| | 15 ft lb | | | | | | | | | | | | | | | | *22,680 | 18,140 | 30.6 ft | | | | | | | | | | |
| | 3.0 m kg | | | | | | | | | | | | | | | | *11,090 | 8,110 | 9.3 m | | | | | | | | | | |
| | 10 ft lb | | | | | | | | | | | | | | | | *24,410 | 17,880 | 30.5 ft | | | | | | | | | | |
| | 1.5 m kg | | | | | | | | | | | | | | | | | *12,030 | 8,370 | 9.0 m | | | | | | | | | |
| | 5 ft lb | | | | | | | | | | | | | | | | | *26,530 | 18,450 | 29.6 ft | | | | | | | | | |
| | 0 m kg | | | | | | | | | | | | | | | | | *12,400 | 9,110 | 8.5 m | | | | | | | | | |
| | 0 ft lb | | | | | | | | | | | | | | | | | *27,350 | 20,130 | 27.8 ft | | | | | | | | | |
| | -1.5 m kg | | | | | | | | | | | | | | | | | *12,670 | 10,710 | 7.6 m | | | | | | | | | |
| | -5 ft lb | | | | | | | | | | | | | | | | | *27,940 | 23,770 | 24.8 ft | | | | | | | | | |
| | -3.0 m kg | | | | | | | | | | | | | | | | | *12,450 | *12,450 | 6.2 m | | | | | | | | | |
| -10 ft lb | | | | | | | | | | | | | | | | | *27,350 | *27,350 | 20.1 ft | | | | | | | | | | |
| -4.5 m kg | | | | | | | | | | | | | | | | | *11,510 | *11,510 | 6.8 m | | | | | | | | | | |
| -15 ft lb | | | | | | | | | | | | | | | | | *25,550 | *25,550 | 21.7 ft | | | | | | | | | | |
| Boom 7.0 m 23'0" Arm 2.55 m 8'4" Shoe 800 mm 32" Counterweight 10,250 kg 22,600 lb | 9.0 m kg | | | | | | | | | | | | | | | | *11,100 | 11,020 | 8.0 m | | | | | | | | | | |
| | 30 ft lb | | | | | | | | | | | | | | | | *24,510 | *24,510 | 25.9 ft | | | | | | | | | | |
| | 7.5 m kg | | | | | | | | | | | | | | | | *12,880 | *12,880 | *11,430 | *11,430 | 8.8 m | | | | | | | | |
| | 25 ft lb | | | | | | | | | | | | | | | | *27,890 | *27,890 | *24,950 | *24,950 | 28.6 ft | | | | | | | | |
| | 6.0 m kg | | | | | | | | | | | | | | | | *14,900 | *14,900 | *12,390 | 11,630 | *11,170 | 8,840 | 9.3 m | | | | | | |
| | 20 ft lb | | | | | | | | | | | | | | | | *44,250 | *44,250 | *32,160 | *32,160 | *26,910 | 25,090 | *24,480 | 19,010 | 30.3 ft | | | | |
| | 4.5 m kg | | | | | | | | | | | | | | | | | *16,960 | 15,290 | *13,470 | 11,210 | *11,630 | 8,650 | | *11,280 | 8,010 | 9.5 m | | |
| | 15 ft lb | | | | | | | | | | | | | | | | | *36,600 | 33,020 | *29,210 | 24,210 | *25,350 | 18,650 | | *24,850 | 17,690 | 31.1 ft | | |
| | 3.0 m kg | | | | | | | | | | | | | | | | | *18,350 | 14,760 | *14,350 | 10,880 | *12,050 | 8,480 | | *11,530 | 7,930 | 9.5 m | | |
| | 10 ft lb | | | | | | | | | | | | | | | | | *39,690 | 31,850 | *31,120 | 23,500 | *26,190 | 18,300 | | *25,420 | 17,480 | 31.0 ft | | |
| | 1.5 m kg | | | | | | | | | | | | | | | | | *13,970 | *13,970 | *18,810 | 14,530 | *14,780 | 10,700 | *12,130 | 8,400 | | *11,830 | 8,190 | 9.2 m |
| | 5 ft lb | | | | | | | | | | | | | | | | | *33,490 | *33,490 | *40,770 | 31,320 | *32,040 | 23,090 | *26,230 | 18,150 | | *26,080 | 18,050 | 30.1 ft |
| | 0 m kg | | | | | | | | | | | | | | | | | *23,750 | 22,530 | *18,380 | 14,520 | *14,530 | 10,670 | | *12,110 | 8,900 | 8.6 m | | |
| | 0 ft lb | | | | | | | | | | | | | | | | | *51,690 | 48,400 | *39,860 | 31,310 | *31,440 | 23,050 | | *26,710 | 19,660 | 28.3 ft | | |
| | -1.5 m kg | | | | | | | | | | | | | | | | | *26,810 | *26,810 | *21,530 | *21,530 | *16,910 | 14,720 | *13,070 | 10,870 | | *12,260 | 10,400 | 7.8 m |
| -5 ft lb | | | | | | | | | | | | | | | | | *58,520 | *58,520 | *46,720 | *46,720 | *36,550 | 31,740 | *27,900 | 23,530 | | *27,030 | 23,070 | 25.4 ft | |
| -3.0 m kg | | | | | | | | | | | | | | | | | *17,530 | *17,530 | *13,420 | *13,420 | | | | | | *11,880 | *11,880 | 6.5 m | |
| -10 ft lb | | | | | | | | | | | | | | | | | *37,630 | *37,630 | *28,300 | *28,300 | | | | | | *26,090 | *26,090 | 20.9 ft | |
| -4.5 m kg | | | | | | | | | | | | | | | | | | | | | | | | | | | *10,510 | *10,510 | 7.3 m |
| -15 ft lb | | | | | | | | | | | | | | | | | | | | | | | | | | | *23,290 | *23,290 | 23.4 ft |

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 EC500F L RETRACTABLE undercarriage

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 | 1.5 m/5'0" | | 3.0 m/10'0" | | 4.5 m/15'0" | | 6.0 m/20'0" | | 7.5 m/25'0" | | 9.0 m/30'0" | | 10.5 m/35'0" | | Max. | | | | |
|--|--------------------------------------|------------|-----------|-------------|-----------|-------------|-----------|-------------|-----------|-------------|-----------|-------------|-----------|--------------|-----------|----------|-----------|---------|---------|---------|
| | | 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 | Along UC | Across UC | | | |
| Boom 7.0 m 23'0" Arm 3.0 m 9'10" Shoe 800 mm 32" Counterweight 10,250 kg 22,600 lb | 9.0 m kg | | | | | | | | | | | *10,180 | *10,180 | | | | | *10,220 | 10,160 | 8.4 m |
| | 30 ft lb | | | | | | | | | | | *22,410 | *22,410 | | | | | *22,610 | *22,610 | 27.3 ft |
| | 7.5 m kg | | | | | | | | | | | *10,750 | *10,750 | *10,230 | 8,990 | | | *10,020 | 8,710 | 9.2 m |
| | 25 ft lb | | | | | | | | | | | *23,440 | *23,440 | | | | | *22,090 | 19,360 | 29.9 ft |
| | 6.0 m kg | | | | | | *18,940 | *18,940 | *14,030 | *14,030 | *11,770 | 11,640 | *10,590 | 8,820 | | | | *10,130 | 7,910 | 9.6 m |
| | 20 ft lb | | | | | | *40,470 | *40,470 | *30,290 | *30,290 | *25,560 | 25,110 | *23,160 | 18,990 | | | | *22,290 | 17,510 | 31.5 ft |
| | 4.5 m kg | | | | | | | | *16,190 | 15,330 | *12,930 | 11,190 | *11,170 | 8,590 | | | | *10,530 | 7,510 | 9.8 m |
| | 15 ft lb | | | | | | | | *34,930 | 33,110 | *28,040 | 24,140 | *24,330 | 18,520 | | | | *23,150 | 16,580 | 32.3 ft |
| | 3.0 m kg | | | | | | | | *17,800 | 14,700 | *13,930 | 10,810 | *11,710 | 8,390 | | | | *10,860 | 7,410 | 9.8 m |
| | 10 ft lb | | | | | | | | *38,490 | 31,730 | *30,200 | 23,330 | *25,440 | 18,090 | | | | *23,940 | 16,350 | 32.2 ft |
| | 1.5 m kg | | | | | | *17,570 | *17,570 | *18,550 | 14,380 | *14,520 | 10,570 | *11,980 | 8,260 | | | | *11,190 | 7,620 | 9.6 m |
| | 5 ft lb | | | | | | *41,080 | *41,080 | *40,180 | 31,010 | *31,470 | 22,810 | *25,960 | 17,830 | | | | *24,680 | 16,810 | 31.4 ft |
| | 0 m kg | | | *13,840 | *13,840 | *24,300 | 22,170 | *18,410 | 14,310 | *14,500 | 10,500 | *11,630 | 8,270 | | | | | *11,540 | 8,220 | 9.0 m |
| | 0 ft lb | | | *31,490 | *31,490 | *52,790 | 47,640 | *39,910 | 30,850 | *31,400 | 22,650 | | | | | | | *25,460 | 18,150 | 29.6 ft |
| | -1.5 m kg | | | *25,090 | *25,090 | *22,380 | *22,380 | *17,300 | 14,450 | *13,550 | 10,610 | | | | | | | *11,830 | 9,450 | 8.2 m |
| -5 ft lb | | | *56,900 | *56,900 | *48,540 | 48,260 | *37,420 | 31,160 | *29,150 | 22,930 | | | | | | | *26,110 | 20,950 | 26.9 ft | |
| -3.0 m kg | | | | | | | *18,950 | *18,950 | *14,640 | *14,640 | | | | | | | *11,840 | *11,840 | 7.0 m | |
| -10 ft lb | | | | | | | *40,790 | *40,790 | *31,290 | *31,290 | | | | | | | *26,060 | *26,060 | 22.7 ft | |
| -4.5 m kg | | | | | | | | | | *9,850 | *9,850 | | | | | | *9,530 | *9,530 | 7.7 m | |
| -15 ft lb | | | | | | | | | | | | | | | | | *21,180 | *21,180 | 24.8 ft | |
| Boom 7.0 m 23'0" Arm 3.35 m 11'0" Shoe 800 mm 32" Counterweight 10,250 kg 22,600 lb | 9.0 m kg | | | | | | | | | | | *9,680 | *9,680 | | | | | *8,980 | *8,980 | 8.8 m |
| | 30 ft lb | | | | | | | | | | | *21,270 | *21,270 | | | | | *19,850 | *19,850 | 28.6 ft |
| | 7.5 m kg | | | | | | | | | | | *10,320 | *10,320 | *9,800 | 9,100 | | | *8,810 | 8,270 | 9.5 m |
| | 25 ft lb | | | | | | | | | | | *22,550 | *22,550 | *21,560 | 19,560 | | | *19,420 | 18,370 | 31.1 ft |
| | 6.0 m kg | | | | | | *17,800 | *17,800 | *13,470 | *13,470 | *11,390 | *11,390 | *10,280 | 8,900 | | | | *8,890 | 7,550 | 10.0 m |
| | 20 ft lb | | | | | | *38,080 | *38,080 | *29,090 | *29,090 | *24,740 | *24,740 | *22,440 | 19,170 | | | | *19,580 | 16,710 | 32.6 ft |
| | 4.5 m kg | | | | | | *21,270 | *21,270 | *15,720 | 15,520 | *12,630 | 11,290 | *10,930 | 8,650 | | | | *9,220 | 7,180 | 10.2 m |
| | 15 ft lb | | | | | | *48,040 | *48,040 | *33,920 | 33,520 | *27,370 | 24,360 | *23,790 | 18,660 | | | | *20,290 | 15,860 | 33.4 ft |
| | 3.0 m kg | | | | | | *14,690 | *14,690 | *17,500 | 14,840 | *13,720 | 10,880 | *11,550 | 8,430 | | | | *9,820 | 7,090 | 10.1 m |
| | 10 ft lb | | | | | | *35,290 | *35,290 | *37,840 | 32,020 | *29,740 | 23,490 | *25,090 | 18,170 | | | | *21,620 | 15,640 | 33.3 ft |
| | 1.5 m kg | | | | | | *18,520 | *18,520 | *18,460 | 14,460 | *14,430 | 10,610 | *11,930 | 8,270 | | | | *10,770 | 7,270 | 9.9 m |
| | 5 ft lb | | | | | | *43,080 | *43,080 | *39,990 | 31,170 | *31,280 | 22,900 | *25,880 | 17,850 | | | | *23,760 | 16,030 | 32.5 ft |
| | 0 m kg | | | *13,710 | *13,710 | *24,790 | 22,150 | *18,550 | 14,330 | *14,570 | 10,500 | *11,820 | 8,230 | | | | | *11,130 | 7,790 | 9.4 m |
| | 0 ft lb | | | *31,070 | *31,070 | *53,810 | 47,610 | *40,200 | 30,890 | *31,570 | 22,660 | *25,520 | 17,780 | | | | | *24,560 | 17,200 | 30.8 ft |
| | -1.5 m kg | | | *23,070 | *23,070 | *23,140 | 22,380 | *17,690 | 14,410 | *13,900 | 10,560 | | | | | | | *11,460 | 8,840 | 8.6 m |
| -5 ft lb | | | *52,250 | *52,250 | *50,160 | 48,110 | *38,280 | 31,080 | *29,980 | 22,810 | | | | | | | *25,290 | 19,590 | 28.2 ft | |
| -3.0 m kg | | | *26,660 | *26,660 | *20,090 | *20,090 | *15,490 | 14,730 | | | | | | | | | *11,600 | 11,000 | 7.4 m | |
| -10 ft lb | | | *57,560 | *57,560 | *43,310 | *43,310 | *33,230 | 31,790 | | | | | | | | | *25,570 | 24,610 | 24.2 ft | |
| -4.5 m kg | | | | | | | | | | | | | | | | | *7,620 | *7,620 | 8.4 m | |
| -15 ft lb | | | | | | | | | | | | | | | | | *16,930 | *16,930 | 27.0 ft | |

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 EC500F L RETRACTABLE undercarriage

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 | 1.5 m/ 5'0" | | 3.0 m/ 10'0" | | 4.5 m/ 15'0" | | 6.0 m/ 20'0" | | 7.5 m/ 25'0" | | 9.0 m/ 30'0" | | 10.5 m/ 35'0" | | Max. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--------------------------------------|-------------|-----------|--------------|-----------|--------------|-----------|--------------|-----------|--------------|-----------|--------------|-----------|---------------|-----------|----------|-----------|---------|---------|---------|---------|---------|---------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| | | 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 | Along UC | Across UC | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Boom 7.0 m 23'0" Arm 3.9 m 12'10" Shoe 800 mm 32" Counterweight 10,250 kg 22,600 lb | 9.0 m kg | | | | | | | | | | | | *8,940 | *8,940 | | | *7,230 | *7,230 | 9.4 m | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 30 ft lb | | | | | | | | | | | | | *18,240 | *18,240 | | | *15,990 | *15,990 | 30.5 ft | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 7.5 m kg | | | | | | | | | | | | *9,570 | *9,570 | *9,130 | | | *7,110 | *7,110 | 10.0 m | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 25 ft lb | | | | | | | | | | | | | *20,870 | *20,870 | *20,040 | 19,840 | | *15,670 | *15,670 | 32.8 ft | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 6.0 m kg | | | | | | | | | | | | *12,460 | *12,460 | *10,700 | *10,700 | *9,710 | 8,990 | | *7,180 | 7,020 | 10.5 m | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 20 ft lb | | | | | | | | | | | | | *26,910 | *26,910 | *23,250 | *23,250 | *21,200 | 19,360 | | *15,800 | 15,520 | 34.3 ft | | | | | | | | | | | | | | | | | | | | | | | | |
| | 4.5 m kg | | | | | | | | | | | | | *20,630 | *20,630 | *14,800 | *14,800 | *12,010 | 11,390 | *10,450 | 8,710 | *9,070 | 6,860 | *7,430 | 6,690 | 10.7 m | | | | | | | | | | | | | | | | | | | | | |
| | 15 ft lb | | | | | | | | | | | | | | *44,280 | *44,280 | *31,960 | *31,960 | *26,050 | 24,580 | *22,760 | 18,760 | | | *16,340 | 14,770 | 35.0 ft | | | | | | | | | | | | | | | | | | | | |
| | 3.0 m kg | | | | | | | | | | | | | | *19,660 | *19,660 | *16,820 | 14,960 | *13,240 | 10,940 | *11,170 | 8,440 | | | *9,560 | 6,730 | 10.6 m | | | | | | | | | | | | | | | | | | | | |
| | 10 ft lb | | | | | | | | | | | | | | | *46,790 | *46,790 | *36,360 | 32,280 | *28,690 | 23,590 | *24,290 | 18,200 | | | *17,350 | 14,540 | 34.9 ft | | | | | | | | | | | | | | | | | | | |
| | 1.5 m kg | | | | | | | | | | | | | | | *20,170 | *20,170 | *18,090 | 14,460 | *14,120 | 10,600 | *11,710 | 8,240 | | | *8,610 | 6,730 | 10.4 m | | | | | | | | | | | | | | | | | | | |
| | 5 ft lb | | | | | | | | | | | | | | | *46,760 | *46,760 | *39,160 | 31,190 | *30,620 | 22,880 | *25,410 | 17,770 | | | *18,980 | 14,840 | 34.2 ft | | | | | | | | | | | | | | | | | | | |
| | 0 m kg | *9,620 | *9,620 | *13,560 | *13,560 | *25,110 | 21,970 | *18,500 | 14,250 | *14,490 | 10,430 | *11,850 | 8,140 | | | | | | | | | | | | | | *9,780 | 7,150 | 9.9 m | | | | | | | | | | | | | | | | | | |
| | 0 ft lb | *21,490 | *21,490 | *30,640 | *30,640 | *54,460 | 47,220 | *40,100 | 30,710 | *31,410 | 22,550 | *25,660 | 17,580 | | | | | | | | | | | | | | | *21,590 | 15,780 | 32.6 ft | | | | | | | | | | | | | | | | | |
| | -1.5 m kg | *15,850 | *15,850 | *20,800 | *20,800 | *23,920 | 22,110 | *18,030 | 14,260 | *14,170 | 10,420 | *11,260 | 8,200 | | | | | | | | | | | | | | | | *10,850 | 7,980 | 9.2 m | | | | | | | | | | | | | | | | |
| | -5 ft lb | *35,490 | *35,490 | *47,020 | *47,020 | *51,850 | 47,530 | *39,030 | 30,730 | *30,630 | 22,550 | *24,080 | 17,740 | | | | | | | | | | | | | | | | *23,950 | 17,680 | 30.1 ft | | | | | | | | | | | | | | | | |
| | -3.0 m kg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | *11,140 | 9,620 | 8.1 m | | | | | | | | | | | | | | | |
| -10 ft lb | | | | | | | | | | | | | | | | | | | | | | | | | | | | | *24,580 | 21,460 | 26.4 ft | | | | | | | | | | | | | | | | |
| -4.5 m kg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | *11,030 | *11,030 | 6.5 m | | | | | | | | | | | | | | | | |
| -15 ft lb | | | | | | | | | | | | | | | | | | | | | | | | | | | | | *24,210 | *24,210 | 20.9 ft | | | | | | | | | | | | | | | | |
| -6.0 m kg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | *8,260 | *8,260 | 8.9 m | | | | | | | | | | | | | | | | |
| -20 ft lb | | | | | | | | | | | | | | | | | | | | | | | | | | | | | *18,230 | *18,230 | 28.9 ft | | | | | | | | | | | | | | | | |
| Boom 7.4 m 24'3" Arm 4.3 m 14'1" Shoe 800 mm 32" Counterweight 10,250 kg 22,600 lb | 7.5 m kg | | | | | | | | | | | | | | | | | | | | | | | | | | | | *8,220 | *8,220 | | | *8,230 | 7,950 | 9.9 m | | | | | | | | | | | | |
| | 25 ft lb | | | | | | | | | | | | | | | | | | | | | | | | | | | | | *18,080 | *18,080 | | | *18,140 | 17,760 | 32.2 ft | | | | | | | | | | | |
| | 6.0 m kg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | *9,220 | *9,220 | *8,610 | *8,610 | *8,320 | 7,040 | *8,320 | 7,010 | 10.5 m | | | | | | | | | |
| | 20 ft lb | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | *20,070 | *20,070 | *18,820 | *18,820 | | | *18,320 | 15,570 | 34.4 ft | | | | | | | | |
| | 4.5 m kg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | *12,260 | *12,260 | *10,370 | *10,370 | *9,260 | 8,860 | *8,590 | 6,900 | *8,480 | 6,440 | 10.9 m | | | | | | | |
| | 15 ft lb | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | *26,460 | *26,460 | *22,550 | *22,550 | *20,160 | 19,090 | *18,810 | 14,830 | *18,680 | 14,260 | 35.8 ft | | | | | | |
| | 3.0 m kg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | *20,390 | *20,390 | *14,520 | *14,520 | *11,660 | 11,160 | *10,020 | 8,520 | *9,000 | 6,720 | *8,700 | 6,120 | 11.1 m | | | | |
| | 10 ft lb | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | *43,770 | *43,770 | *31,340 | *31,340 | *25,270 | 24,080 | *21,770 | 18,370 | *19,620 | 14,450 | *19,180 | 13,520 | 36.5 ft | | | | |
| | 1.5 m kg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | *18,060 | *18,060 | *16,430 | 14,540 | *12,840 | 10,640 | *10,740 | 8,200 | *9,390 | 6,540 | *8,980 | 6,010 | 11.1 m | | | | |
| | 5 ft lb | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | *42,700 | *42,700 | *35,510 | 31,380 | *27,810 | 22,960 | *23,320 | 17,690 | *20,440 | 14,080 | *19,800 | 13,250 | 36.4 ft | | | | |
| | 0 m kg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | *18,240 | *18,240 | *17,610 | 13,990 | *13,680 | 10,260 | *11,280 | 7,960 | *9,650 | 6,400 | *9,310 | 6,090 | 10.9 m | | | | |
| | 0 ft lb | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | *16,360 | *16,360 | *42,100 | *42,100 | *38,120 | 30,170 | *29,660 | 22,130 | *24,470 | 17,170 | *20,950 | 13,800 | *20,540 | 13,440 | 35.7 ft | |
| -1.5 m kg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | *12,620 | *12,620 | *22,470 | 21,200 | *17,980 | 13,740 | *14,060 | 10,050 | *11,500 | 7,820 | | | *9,690 | 6,410 | 10.4 m | | |
| -5 ft lb | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | *28,450 | *28,450 | *51,430 | 45,570 | *38,960 | 29,600 | *30,460 | 21,670 | *24,900 | 16,880 | | | *21,380 | 14,160 | 34.2 ft | | |
| -3.0 m kg | *14,610 | *14,610 | *18,610 | *18,610 | *23,250 | 21,330 | *17,560 | 13,720 | *13,840 | 10,000 | *11,200 | 7,810 | | | | | | | | | | | | | | | | | | | *14,610 | *14,610 | *18,610 | *18,610 | *23,250 | 21,330 | *17,560 | 13,720 | *13,840 | 10,000 | *11,200 | 7,810 | | | *10,100 | 7,070 | 9.7 m |
| -10 ft lb | *32,660 | *32,660 | *41,960 | *41,960 | *50,420 | 45,850 | *38,030 | 29,560 | *29,940 | 21,580 | *24,160 | 16,880 | | | | | | | | | | | | | | | | | | | *32,660 | *32,660 | *41,960 | *41,960 | *50,420 | 45,850 | *38,030 | 29,560 | *29,940 | 21,580 | *24,160 | 16,880 | | | *22,300 | 15,660 | 31.8 ft |

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 EC500F L RETRACTABLE undercarriage

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 | 1.5 m/5'0" | | 3.0 m/10'0" | | 4.5 m/15'0" | | 6.0 m/20'0" | | 7.5 m/25'0" | | 9.0 m/30'0" | | 10.5 m/35'0" | | Max. | | | | | | | | | | | | |
|---|--------------------------------------|------------|-----------|-------------|-----------|-------------|-----------|-------------|-----------|-------------|-----------|-------------|-----------|--------------|-----------|----------|-----------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| | | 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 | Along UC | Across UC | | | | | | | | | | | |
| Boom 6.5 m 21'4" Arm 2.55 m 8'4" Shoe 900 mm 36" Counterweight 10,250 kg 22,600 lb | 7.5 m | kg | | | *26,030 | *26,030 | *21,080 | *21,080 | *16,220 | 13,900 | *12,790 | 10,140 | | | | | *10,500 | 8,330 | 8.7 m | | | | | | | | | |
| | 25 ft | lb | | | *58,920 | *58,920 | *45,570 | *45,570 | *35,010 | 29,980 | *27,510 | 21,900 | | | | | *23,190 | 18,560 | 28.3 ft | | | | | | | | | |
| | 6.0 m | kg | | | | | *17,410 | *17,410 | *13,500 | *13,500 | | | | | | | *10,730 | *10,730 | 7.2 m | | | | | | | | | |
| | 20 ft | lb | | | | | *37,240 | *37,240 | *28,730 | *28,730 | | | | | | | *23,670 | *23,670 | 23.3 ft | | | | | | | | | |
| | 4.5 m | kg | | | | | | | | | | | | | | | *11,880 | *11,880 | 7.3 m | | | | | | | | | |
| | 15 ft | lb | | | | | | | | | | | | | | | *26,330 | *26,330 | 23.8 ft | | | | | | | | | |
| | 3.0 m | kg | | | | | | | *13,180 | *13,180 | *12,020 | *12,020 | | | | | *11,450 | 10,500 | 8.2 m | | | | | | | | | |
| | 10 ft | lb | | | | | | | *28,630 | *28,630 | *26,340 | 26,180 | | | | | *25,280 | 23,360 | 26.8 ft | | | | | | | | | |
| | 1.5 m | kg | | | | | | | *19,840 | *19,840 | *15,000 | *15,000 | *12,780 | 11,850 | | | *11,490 | 9,380 | 8.7 m | | | | | | | | | |
| | 5 ft | lb | | | | | | | *42,490 | *42,490 | *32,450 | *32,450 | *27,830 | 25,540 | | | *25,310 | 20,770 | 28.6 ft | | | | | | | | | |
| | 0 m | kg | | | | | | | | | *17,000 | 15,740 | *13,770 | 11,470 | | | *11,930 | 8,850 | 9.0 m | | | | | | | | | |
| | 0 ft | lb | | | | | | | | | | | | | | | *26,250 | 19,540 | 29.4 ft | | | | | | | | | |
| | -1.5 m | kg | | | | | | | *16,620 | *16,620 | *18,460 | 15,170 | *14,600 | 11,150 | | | *12,400 | 8,750 | 8.9 m | | | | | | | | | |
| | -5 ft | lb | | | | | | | *40,860 | *40,860 | *39,950 | 32,740 | *31,680 | 24,050 | | | *27,320 | 19,300 | 29.3 ft | | | | | | | | | |
| | -3.0 m | kg | | | | | | | *24,930 | 22,830 | *18,990 | 14,890 | *14,940 | 10,960 | | | *12,700 | 9,080 | 8.6 m | | | | | | | | | |
| -10 ft | lb | | | | | | | *55,590 | 49,090 | *41,160 | 32,120 | *32,390 | 23,660 | | | *28,010 | 20,030 | 28.4 ft | | | | | | | | | | |
| -4.5 m | kg | | | | | | | *18,820 | *18,820 | *24,210 | 22,950 | *18,470 | 14,870 | *14,420 | 10,960 | | *12,980 | 9,990 | 8.1 m | | | | | | | | | |
| -15 ft | lb | | | | | | | *42,850 | *42,850 | *52,610 | 49,340 | *40,030 | 32,060 | *31,120 | 23,680 | | *28,630 | 22,070 | 26.4 ft | | | | | | | | | |
| Boom 6.5 m 21'4" Arm 3.0 m 9'10" Shoe 900 mm 36" Counterweight 10,250 kg 22,600 lb | 9.0 m | kg | | | *27,570 | *27,570 | *21,460 | *21,460 | *16,530 | 15,090 | | | | | | | *13,040 | 11,980 | 7.1 m | | | | | | | | | |
| | 30 ft | lb | | | *59,970 | *59,970 | *46,490 | *46,490 | *35,620 | 32,570 | | | | | | | *28,740 | 26,620 | 23.3 ft | | | | | | | | | |
| | 7.5 m | kg | | | | | | | | | *11,010 | *11,010 | | | | | *10,060 | *10,060 | 7.8 m | | | | | | | | | |
| | 25 ft | lb | | | | | | | | | *24,090 | *24,090 | | | | | *22,270 | *22,270 | 25.3 ft | | | | | | | | | |
| | 6.0 m | kg | | | | | | | | | *11,260 | *11,260 | | | | | *9,800 | 9,760 | 8.6 m | | | | | | | | | |
| | 20 ft | lb | | | | | | | | | | *24,630 | *24,630 | | | | *21,620 | *21,620 | 28.1 ft | | | | | | | | | |
| | 4.5 m | kg | | | | | | | | | | *18,240 | *18,240 | *14,120 | *14,120 | *12,130 | 11,870 | *11,170 | 8,920 | *9,900 | 8,780 | 9.1 m | | | | | | |
| | 15 ft | lb | | | | | | | | | | *39,120 | *39,120 | *30,550 | *30,550 | *26,400 | 25,590 | *21,790 | 19,430 | 29.8 ft | | | | | | | | |
| | 3.0 m | kg | | | | | | | | | | *22,630 | *22,630 | *16,220 | 15,790 | *13,220 | 11,450 | *11,590 | 8,740 | *10,310 | 8,290 | 9.3 m | | | | | | |
| | 10 ft | lb | | | | | | | | | | *48,620 | *48,620 | *35,070 | 34,090 | *28,700 | 24,690 | *25,290 | 18,830 | *22,680 | 18,310 | 30.6 ft | | | | | | |
| | 1.5 m | kg | | | | | | | | | | *23,360 | 22,960 | *17,900 | 15,140 | *14,180 | 11,080 | *12,000 | 8,560 | *11,090 | 8,180 | 9.3 m | | | | | | |
| | 5 ft | lb | | | | | | | | | | *54,390 | 49,460 | *38,740 | 32,660 | *30,760 | 23,900 | *26,100 | 18,470 | *24,410 | 18,040 | 30.5 ft | | | | | | |
| | 0 m | kg | | | | | | | | | | *25,620 | 22,620 | *18,730 | 14,770 | *14,710 | 10,840 | *12,060 | 8,470 | *12,030 | 8,440 | 9.0 m | | | | | | |
| | 0 ft | lb | | | | | | | | | | *55,560 | 48,640 | *40,580 | 31,850 | *31,910 | 23,390 | *26,530 | 18,620 | 29.6 ft | | | | | | | | |
| | -1.5 m | kg | | | | | | | | | | | | | | | | *19,120 | *19,120 | *24,690 | 22,640 | *18,550 | 14,670 | *14,530 | 10,770 | *12,400 | 9,190 | 8.5 m |
| -5 ft | lb | | | | | | | | | | | | | | | | *43,280 | *43,280 | *53,600 | 48,670 | *40,190 | 31,630 | *31,420 | 23,260 | *27,350 | 20,310 | 27.8 ft | |
| -3.0 m | kg | | | | | | | | | | | | | | | | *30,100 | *30,100 | *22,430 | *22,430 | *17,120 | 14,820 | *12,930 | 10,950 | *12,670 | 10,800 | 7.6 m | |
| -10 ft | lb | | | | | | | | | | | | | | | | *65,370 | *65,370 | *48,570 | *48,570 | *36,960 | 31,960 | | | *27,940 | 23,980 | 24.8 ft | |
| -4.5 m | kg | | | | | | | | | | | | | | | | | | | *18,030 | *18,030 | *13,240 | *13,240 | | | *12,450 | *12,450 | 6.2 m |
| -15 ft | lb | | | | | | | | | | | | | | | | | | | *38,570 | *38,570 | *27,690 | *27,690 | | | *27,350 | *27,350 | 20.1 ft |

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 EC500F L RETRACTABLE undercarriage

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 | 1.5 m/5'0" | | 3.0 m/10'0" | | 4.5 m/15'0" | | 6.0 m/20'0" | | 7.5 m/25'0" | | 9.0 m/30'0" | | 10.5 m/35'0" | | Max. | | |
|---|--------------------------------------|------------|-----------|-------------|-----------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|----------------|----------------|-----------|-----------------|-----------------|---------|
| | | 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 | Along UC | Across UC | |
| Boom 7.0 m 23'0" Arm 2.55 m 8'4" Shoe 900 mm 36" Counterweight 10,250 kg 22,600 lb | 9.0 m kg | | | | | | | | | | | | | | | | *11,510 *11,510 | 6.8 m |
| | 30 ft lb | | | | | | | | | | | | | | | | *25,550 *25,550 | 21.7 ft |
| | 7.5 m kg | | | | | | | | | *11,010 *11,010 | | | | | | | *11,100 *11,100 | 8.0 m |
| | 25 ft lb | | | | | | | | | *24,310 *24,310 | | | | | | | *24,510 *24,510 | 25.9 ft |
| | 6.0 m kg | | | | | | | | *12,880 *12,880 | *11,430 *11,430 | | | | | | | *11,010 9,420 | 8.8 m |
| | 20 ft lb | | | | | | | | *27,890 *27,890 | *24,950 *24,950 | | | | | | | *24,280 20,960 | 28.6 ft |
| | 4.5 m kg | | | | | | | | *14,900 *14,900 | *12,390 11,730 | *11,170 8,920 | | | | | | *11,090 8,520 | 9.3 m |
| | 15 ft lb | | | | | *44,250 *44,250 | *32,160 *32,160 | *26,910 25,300 | *24,480 19,180 | | | | | | | | *24,440 18,870 | 30.3 ft |
| | 3.0 m kg | | | | | | | | *16,960 15,420 | *13,470 11,310 | *11,630 8,730 | | | | | | *11,280 8,090 | 9.5 m |
| | 10 ft lb | | | | | | | | *36,600 33,300 | *29,210 24,420 | *25,350 18,820 | | | | | | *24,850 17,850 | 31.1 ft |
| | 1.5 m kg | | | | | | | | *18,350 14,890 | *14,350 10,980 | *12,050 8,560 | | | | | | *11,530 8,000 | 9.5 m |
| | 5 ft lb | | | | | | | | *39,690 32,130 | *31,120 23,710 | *26,190 18,470 | | | | | | *25,420 17,640 | 31.0 ft |
| | 0 m kg | | | | | | *13,970 *13,970 | *18,810 14,660 | *14,780 10,790 | *12,130 8,480 | | | | | | | *11,830 8,260 | 9.2 m |
| | 0 ft lb | | | | | | *33,490 *33,490 | *40,770 31,610 | *32,040 23,300 | *26,230 18,320 | | | | | | | *26,080 18,220 | 30.1 ft |
| | -1.5 m kg | | | | | | | | *23,750 22,720 | *18,380 14,650 | *14,530 10,770 | | | | | | *12,110 8,980 | 8.6 m |
| | -5 ft lb | | | | | | | | *51,690 48,830 | *39,860 31,590 | *31,440 23,260 | | | | | | *26,710 19,840 | 28.3 ft |
| | -3.0 m kg | | | | | | *26,810 *26,810 | *21,530 *21,530 | *16,910 14,850 | *13,070 10,970 | | | | | | | *12,260 10,490 | 7.8 m |
| | -10 ft lb | | | | | | *58,520 *58,520 | *46,720 *46,720 | *36,550 32,030 | *27,900 23,740 | | | | | | | *27,030 23,280 | 25.4 ft |
| -4.5 m kg | | | | | | | | *17,530 *17,530 | *13,420 *13,420 | | | | | | | *11,880 *11,880 | 6.5 m | |
| -15 ft lb | | | | | | | | *37,630 *37,630 | *28,300 *28,300 | | | | | | | *26,090 *26,090 | 20.9 ft | |
| Boom 7.0 m 23'0" Arm 3.0 m 9'10" Shoe 900 mm 36" Counterweight 10,250 kg 22,600 lb | 9.0 m kg | | | | | | | | | | | | | | | | *10,510 *10,510 | 7.3 m |
| | 30 ft lb | | | | | | | | | | | | | | | | *23,290 *23,290 | 23.4 ft |
| | 7.5 m kg | | | | | | | | | *10,180 *10,180 | | | | | | | *10,220 *10,220 | 8.4 m |
| | 25 ft lb | | | | | | | | | *22,410 *22,410 | | | | | | | *22,610 *22,610 | 27.3 ft |
| | 6.0 m kg | | | | | | | | | *10,750 *10,750 | *10,230 9,070 | | | | | | *10,020 8,790 | 9.2 m |
| | 20 ft lb | | | | | | | | | *23,440 *23,440 | | | | | | | *22,090 19,530 | 29.9 ft |
| | 4.5 m kg | | | | | | | | | *18,940 *18,940 | *14,030 *14,030 | *11,770 11,740 | *10,590 8,900 | | | | *10,130 7,980 | 9.6 m |
| | 15 ft lb | | | | | | | | | *40,470 *40,470 | *30,290 *30,290 | *25,560 25,320 | *23,160 19,160 | | | | *22,290 17,670 | 31.5 ft |
| | 3.0 m kg | | | | | | | | | *16,190 15,460 | *12,930 11,280 | *11,170 8,670 | | | | | *10,530 7,580 | 9.8 m |
| | 10 ft lb | | | | | | | | | *34,930 33,390 | *28,040 24,350 | *24,330 18,690 | | | | | *23,150 16,730 | 32.3 ft |
| | 1.5 m kg | | | | | | | | | *17,800 14,830 | *13,930 10,900 | *11,710 8,460 | | | | | *10,860 7,480 | 9.8 m |
| | 5 ft lb | | | | | | | | | *38,490 32,010 | *30,200 23,540 | *25,440 18,260 | | | | | *23,940 16,500 | 32.2 ft |
| | 0 m kg | | | | | | | | | *17,570 *17,570 | *18,550 14,510 | *14,520 10,670 | *11,980 8,340 | | | | *11,190 7,700 | 9.6 m |
| | 0 ft lb | | | | | | | | | *41,080 *41,080 | *40,180 31,300 | *31,470 23,020 | *25,960 18,000 | | | | *24,680 16,970 | 31.4 ft |
| | -1.5 m kg | | | | | | | | | *13,840 *13,840 | *24,300 22,360 | *18,410 14,440 | *14,500 10,590 | *11,630 8,340 | | | *11,540 8,290 | 9.0 m |
| | -5 ft lb | | | | | | | | | | *31,490 *31,490 | *52,790 48,060 | *39,910 31,130 | *31,400 22,870 | | | *25,460 18,320 | 29.6 ft |
| | -3.0 m kg | | | | | | | | | | *25,090 *25,090 | *22,380 *22,380 | *17,300 14,580 | *13,550 10,710 | | | *11,830 9,530 | 8.2 m |
| | -10 ft lb | | | | | | | | | | *56,900 *56,900 | *48,540 *48,540 | *37,420 31,440 | *29,150 23,150 | | | *26,110 21,140 | 26.9 ft |
| -4.5 m kg | | | | | | | | | | *18,950 *18,950 | *14,640 *14,640 | | | | | *11,840 *11,840 | 7.0 m | |
| -15 ft lb | | | | | | | | | | *40,790 *40,790 | *31,290 *31,290 | | | | | *26,060 *26,060 | 22.7 ft | |

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Specifications

LIFTING CAPACITY EC500F L RETRACTABLE undercarriage

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 | 1.5 m/5'0" | | 3.0 m/10'0" | | 4.5 m/15'0" | | 6.0 m/20'0" | | 7.5 m/25'0" | | 9.0 m/30'0" | | 10.5 m/35'0" | | Max. | | | | |
|--|--------------------------------------|------------|-----------|-------------|-----------|-------------|-----------|-------------|-----------|-------------|-----------|-------------|-----------|--------------|-----------|----------|-----------|---------|-------|--------|
| | | 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 | Along UC | Across UC | | | |
| Boom 7.0 m 23'0" Arm 3.35 m 11'0" Shoe 900 mm 36" Counterweight 10,250 kg 22,600 lb | 9.0 m kg | | | | | | | | | *9,850 | *9,850 | | | | | *9,530 | *9,530 | 7.7 m | | |
| | 30 ft lb | | | | | | | | | | | | | | | *21,180 | *21,180 | 24.8 ft | | |
| | 7.5 m kg | | | | | | | | | *9,680 | *9,680 | | | | | *8,980 | *8,980 | 8.8 m | | |
| | 25 ft lb | | | | | | | | | *21,270 | *21,270 | | | | | *19,850 | *19,850 | 28.6 ft | | |
| | 6.0 m kg | | | | | | | | | *10,320 | *10,320 | *9,800 | 9,180 | | | *8,810 | 8,340 | 9.5 m | | |
| | 20 ft lb | | | | | | | | | *22,550 | *22,550 | *21,560 | 19,730 | | | *19,420 | 18,530 | 31.1 ft | | |
| | 4.5 m kg | | | | | *17,800 | *17,800 | *13,470 | *13,470 | *11,390 | *11,390 | *10,280 | 8,980 | | | *8,890 | 7,620 | 10.0 m | | |
| | 15 ft lb | | | | | *38,080 | *38,080 | *29,090 | *29,090 | *24,740 | *24,740 | *22,440 | 19,340 | | | *19,580 | 16,860 | 32.6 ft | | |
| | 3.0 m kg | | | | | *21,270 | *21,270 | *15,720 | 15,650 | *12,630 | 11,390 | *10,930 | 8,730 | | | *9,220 | 7,250 | 10.2 m | | |
| | 10 ft lb | | | | | *48,040 | *48,040 | *33,920 | 33,800 | *27,370 | 24,570 | *23,790 | 18,830 | | | *20,290 | 16,010 | 33.4 ft | | |
| | 1.5 m kg | | | | | *14,690 | *14,690 | *17,500 | 14,970 | *13,720 | 10,980 | *11,550 | 8,500 | | | *9,820 | 7,160 | 10.1 m | | |
| | 5 ft lb | | | | | *35,290 | *35,290 | *37,840 | 32,310 | *29,740 | 23,700 | *25,090 | 18,340 | | | *21,620 | 15,790 | 33.3 ft | | |
| | 0 m kg | | | | | *18,520 | *18,520 | *18,460 | 14,590 | *14,430 | 10,710 | *11,930 | 8,350 | | | *10,770 | 7,340 | 9.9 m | | |
| | 0 ft lb | | | | | *43,080 | *43,080 | *39,990 | 31,450 | *31,280 | 23,110 | *25,880 | 18,020 | | | *23,760 | 16,190 | 32.5 ft | | |
| | -1.5 m kg | | | *13,710 | *13,710 | *24,790 | 22,350 | *18,550 | 14,460 | *14,570 | 10,600 | *11,820 | 8,310 | | | *11,130 | 7,860 | 9.4 m | | |
| | -5 ft lb | | | *31,070 | *31,070 | *53,810 | 48,030 | *40,200 | 31,170 | *31,570 | 22,870 | *25,520 | 17,950 | | | *24,560 | 17,360 | 30.8 ft | | |
| -3.0 m kg | | | *23,070 | *23,070 | *23,140 | 22,570 | *17,690 | 14,550 | *13,900 | 10,660 | | | | | *11,460 | 8,920 | 8.6 m | | | |
| -10 ft lb | | | *52,250 | *52,250 | *50,160 | 48,530 | *38,280 | 31,360 | *29,980 | 23,020 | | | | | *25,290 | 19,770 | 28.2 ft | | | |
| -4.5 m kg | | | *26,660 | *26,660 | *20,090 | *20,090 | *15,490 | 14,860 | | | | | | | *11,600 | 11,100 | 7.4 m | | | |
| -15 ft lb | | | *57,560 | *57,560 | *43,310 | *43,310 | *33,230 | 32,070 | | | | | | | *25,570 | 24,830 | 24.2 ft | | | |
| Boom 7.0 m 23'0" Arm 3.9 m 12'10" Shoe 900 mm 36" Counterweight 10,250 kg 22,600 lb | 9.0 m kg | | | | | | | | | | | | | | | *7,620 | *7,620 | 8.4 m | | |
| | 30 ft lb | | | | | | | | | | | | | | | *16,930 | *16,930 | 27 ft | | |
| | 7.5 m kg | | | | | | | | | | | *8,940 | *8,940 | | | *7,230 | *7,230 | 9.4 m | | |
| | 25 ft lb | | | | | | | | | | | *18,240 | *18,240 | | | *15,990 | *15,990 | 30.5 ft | | |
| | 6.0 m kg | | | | | | | | | *9,570 | *9,570 | *9,130 | *9,130 | | | *7,110 | *7,110 | 10.0 m | | |
| | 20 ft lb | | | | | | | | | *20,870 | *20,870 | *20,040 | 20,010 | | | *15,670 | *15,670 | 32.8 ft | | |
| | 4.5 m kg | | | | | | | *12,460 | *12,460 | *10,700 | *10,700 | *9,710 | 9,070 | | | *7,180 | 7,080 | 10.5 m | | |
| | 15 ft lb | | | | | | | *26,910 | *26,910 | *23,250 | *23,250 | *21,200 | 19,530 | | | *15,800 | 15,670 | 34.3 ft | | |
| | 3.0 m kg | | | | | *20,630 | *20,630 | *14,800 | *14,800 | *12,010 | 11,490 | *10,450 | 8,780 | | | *9,070 | 6,930 | *7,430 | 6,750 | 10.7 m |
| | 10 ft lb | | | | | *44,280 | *44,280 | *31,960 | *31,960 | *26,050 | 24,790 | *22,760 | 18,930 | | | *16,340 | 14,910 | 35.0 ft | | |
| | 1.5 m kg | | | | | *19,660 | *19,660 | *16,820 | 15,090 | *13,240 | 11,030 | *11,170 | 8,520 | | | *9,560 | 6,800 | *7,880 | 6,660 | 10.6 m |
| | 5 ft lb | | | | | *46,790 | *46,790 | *36,360 | 32,560 | *28,690 | 23,810 | *24,290 | 18,370 | | | *17,350 | 14,680 | 34.9 ft | | |
| | 0 m kg | | | | | *20,170 | *20,170 | *18,090 | 14,600 | *14,120 | 10,700 | *11,710 | 8,320 | | | *8,610 | 6,800 | 10.4 m | | |
| | 0 ft lb | | | | | *46,760 | *46,760 | *39,160 | 31,470 | *30,620 | 23,090 | *25,410 | 17,940 | | | *18,980 | 14,990 | 34.2 ft | | |
| | -1.5 m kg | *9,620 | *9,620 | *13,560 | *13,560 | *25,110 | 22,160 | *18,500 | 14,380 | *14,490 | 10,530 | *11,850 | 8,220 | | | *9,780 | 7,220 | 9.9 m | | |
| | -5 ft lb | *21,490 | *21,490 | *30,640 | *30,640 | *54,460 | 47,650 | *40,100 | 30,990 | *31,410 | 22,720 | *25,660 | 17,750 | | | *21,590 | 15,930 | 32.6 ft | | |
| -3.0 m kg | *15,850 | *15,850 | *20,800 | *20,800 | *23,920 | 22,300 | *18,030 | 14,390 | *14,170 | 10,520 | *11,260 | 8,270 | | | *10,850 | 8,060 | 9.2 m | | | |
| -10 ft lb | *35,490 | *35,490 | *47,020 | *47,020 | *51,850 | 47,950 | *39,030 | 31,010 | *30,630 | 22,720 | *24,080 | 17,910 | | | *23,950 | 17,850 | 30.1 ft | | | |
| -4.5 m kg | | | *29,530 | *29,530 | *21,460 | *21,460 | *16,410 | 14,610 | *12,670 | 10,720 | | | | | *11,140 | 9,710 | 8.1 m | | | |
| -15 ft lb | | | *63,790 | *63,790 | *46,330 | *46,330 | *35,330 | 31,520 | *27,020 | 23,200 | | | | | *24,580 | 21,650 | 26.4 ft | | | |
| -6.0 m kg | | | | | *16,890 | *16,890 | *12,580 | *12,580 | | | | | | | *11,030 | *11,030 | 6.5 m | | | |
| -20 ft lb | | | | | *35,860 | *35,860 | *26,220 | *26,220 | | | | | | | *24,210 | *24,210 | 20.9 ft | | | |

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 EC500F L RETRACTABLE undercarriage

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 | 1.5 m/5'0" | | 3.0 m/10'0" | | 4.5 m/15'0" | | 6.0 m/20'0" | | 7.5 m/25'0" | | 9.0 m/30'0" | | 10.5 m/35'0" | | Max. | | | | |
|---|--------------------------------------|------------|-----------|-------------|-----------|-------------|-----------|-------------|-----------|-------------|-----------|-------------|-----------|--------------|-----------|----------|-----------|---------|---------|---------|
| | | 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 | Along UC | Across UC | | | |
| Boom 7.4 m 24'3" Arm 4.3 m 14'1" Shoe 900 mm 36" Counterweight 10,250 kg 22,600 lb | 9.0 m kg | | | | | | | | | | | | | | | | *8,260 | *8,260 | 8.9 m | |
| | 30 ft lb | | | | | | | | | | | | | | | | *18,230 | *18,230 | 28.9 ft | |
| | 7.5 m kg | | | | | | | | | | | *8,220 | *8,220 | | | | *8,230 | 8,020 | 9.9 m | |
| | 25 ft lb | | | | | | | | | | | *18,080 | *18,080 | | | | *18,140 | 17,910 | 32.2 ft | |
| | 6.0 m kg | | | | | | | | | | *9,220 | *9,220 | *8,610 | *8,610 | *8,320 | 7,110 | *8,320 | 7,080 | 10.5 m | |
| | 20 ft lb | | | | | | | | | | *20,070 | *20,070 | *18,820 | *18,820 | | | *18,320 | 15,720 | 34.4 ft | |
| | 4.5 m kg | | | | | | | | *12,260 | *12,260 | *10,370 | *10,370 | *9,260 | 8,940 | *8,590 | 6,960 | *8,480 | 6,510 | 10.9 m | |
| | 15 ft lb | | | | | | | | *26,460 | *26,460 | *22,550 | *22,550 | *20,160 | 19,250 | *18,810 | 14,970 | *18,680 | 14,390 | 35.8 ft | |
| | 3.0 m kg | | | | | *20,390 | *20,390 | *14,520 | *14,520 | *11,660 | 11,260 | *10,020 | 8,600 | *9,000 | 6,780 | *8,700 | 6,190 | *8,700 | 6,190 | 11.1 m |
| | 10 ft lb | | | | | *43,770 | *43,770 | *31,340 | *31,340 | *25,270 | 24,290 | *21,770 | 18,540 | *19,620 | 14,590 | *19,180 | 13,660 | *19,180 | 13,660 | 36.5 ft |
| | 1.5 m kg | | | | | *18,060 | *18,060 | *16,430 | 14,670 | *12,840 | 10,740 | *10,740 | 8,280 | *9,390 | 6,600 | *8,980 | 6,070 | *8,980 | 6,070 | 11.1 m |
| | 5 ft lb | | | | | *42,700 | *42,700 | *35,510 | 31,670 | *27,810 | 23,170 | *23,320 | 17,860 | *20,440 | 14,220 | *19,800 | 13,390 | *19,800 | 13,390 | 36.4 ft |
| | 0 m kg | | | | | *18,240 | *18,240 | *17,610 | 14,120 | *13,680 | 10,360 | *11,280 | 8,040 | *9,650 | 6,470 | *9,310 | 6,160 | *9,310 | 6,160 | 10.9 m |
| | 0 ft lb | | | | | *16,360 | *16,360 | *42,100 | *42,100 | *38,120 | 30,450 | *29,660 | 22,340 | *24,470 | 17,340 | *20,950 | 13,940 | *20,540 | 13,580 | 35.7 ft |
| | -1.5 m kg | | | | | *12,620 | *12,620 | *22,470 | 21,400 | *17,980 | 13,870 | *14,060 | 10,140 | *11,500 | 7,900 | | | *9,690 | 6,480 | 10.4 m |
| | -5 ft lb | | | | | *28,450 | *28,450 | *51,430 | 46,000 | *38,960 | 29,890 | *30,460 | 21,880 | *24,900 | 17,050 | | | *21,380 | 14,310 | 34.2 ft |
| | -3.0 m kg | *14,610 | *14,610 | *18,610 | *18,610 | *23,250 | 21,530 | *17,560 | 13,850 | *13,840 | 10,100 | *11,200 | 7,890 | | | | *10,100 | 7,140 | 9.7 m | |
| | -10 ft lb | *32,660 | *32,660 | *41,960 | *41,960 | *50,420 | 46,270 | *38,030 | 29,840 | *29,940 | 21,800 | *24,160 | 17,050 | | | | *22,300 | 15,820 | 31.8 ft | |
| | -4.5 m kg | | | *26,030 | *26,030 | *21,080 | *21,080 | *16,220 | 14,030 | *12,790 | 10,230 | | | | | | *10,500 | 8,410 | 8.7 m | |
| | -15 ft lb | | | *58,920 | *58,920 | *45,570 | *45,570 | *35,010 | 30,260 | *27,510 | 22,110 | | | | | | *23,190 | 18,750 | 28.3 ft | |
| -6.0 m kg | | | | | *17,410 | *17,410 | *13,500 | *13,500 | | | | | | | | *10,730 | *10,730 | 7.2 m | | |
| -20 ft lb | | | | | *37,240 | *37,240 | *28,730 | *28,730 | | | | | | | | *23,670 | *23,670 | 23.3 ft | | |

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 EC500F LR RETRACTABLE undercarriage

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 | 1.5 m / 5'0" | | 3.0 m / 10'0" | | 4.5 m / 15'0" | | 6.0 m / 20'0" | | 7.5 m / 25'0" | | 9.0 m / 30'0" | | |
|---|--------------------------------------|--------------|-----------|---------------|-----------|---------------|-----------|---------------|-----------|---------------|-----------|---------------|-----------|---------|
| | | 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 9.0 m 29'6" Arm 6.0 m 19'8" Shoe 900 mm 36" Counterweight 10,600 kg 23,370 lb | 12.0 m kg | | | | | | | | | | | | | |
| | 40 ft lb | | | | | | | | | | | | | |
| | 10.5 m kg | | | | | | | | | | | | | |
| | 35 ft lb | | | | | | | | | | | | | |
| | 9.0 m kg | | | | | | | | | | | | | |
| | 30 ft lb | | | | | | | | | | | | | |
| | 7.5 m kg | | | | | | | | | | | | | |
| | 25 ft lb | | | | | | | | | | | | | |
| | 6.0 m kg | | | | | | | | | | | | | |
| | 20 ft lb | | | | | | | | | | | | | |
| | 4.5 m kg | | | | | | | | | | | | *6,980 | *6,980 |
| | 15 ft lb | | | | | | | | | | | | *15,150 | *15,150 |
| | 3.0 m kg | | | | | | | | *11,890 | *11,890 | *9,370 | *9,370 | *7,930 | *7,930 |
| | 10 ft lb | | | | | | | | *25,580 | *25,580 | *20,240 | *20,240 | *17,190 | *17,190 |
| | 1.5 m kg | | | | | | | | *14,060 | *14,060 | *10,760 | *10,760 | *8,870 | 8,380 |
| | 5 ft lb | | | | | | | | *30,320 | *30,320 | *23,260 | *23,260 | *19,220 | 18,090 |
| | 0 m kg | | | | | | | | *15,640 | 13,760 | *11,910 | 10,210 | *9,690 | 7,990 |
| | 0 ft lb | | | | | | | | *33,810 | 29,690 | *25,780 | 22,040 | *21,010 | 17,240 |
| | -1.5 m kg | | | | | | *8,530 | *8,530 | *16,590 | 13,320 | *12,730 | 9,840 | *10,340 | 7,710 |
| | -5 ft lb | | | | | | *19,510 | *19,510 | *35,920 | 28,720 | *27,590 | 21,230 | *22,410 | 16,630 |
| | -3.0 m kg | *5,830 | *5,830 | *7,450 | *7,450 | *11,330 | *11,330 | *17,000 | 13,140 | *13,210 | 9,640 | *10,750 | 7,540 | |
| | -10 ft lb | *13,080 | *13,080 | *16,820 | *16,820 | *25,800 | *25,800 | *36,840 | 28,320 | *28,630 | 20,790 | *23,310 | 16,260 | |
| | -4.5 m kg | *8,740 | *8,740 | *10,670 | *10,670 | *14,930 | *14,930 | *16,950 | 13,140 | *13,330 | 9,590 | *10,900 | 7,480 | |
| | -15 ft lb | *19,630 | *19,630 | *24,110 | *24,110 | *34,010 | *34,010 | *36,720 | 28,330 | *28,880 | 20,680 | *23,610 | 16,140 | |
| | -6.0 m kg | *11,980 | *11,980 | *14,480 | *14,480 | *19,650 | *19,650 | *16,420 | 13,300 | *13,050 | 9,660 | *10,700 | 7,530 | |
| | -20 ft lb | *26,980 | *26,980 | *32,790 | *32,790 | *44,910 | 44,680 | *35,510 | 28,670 | *28,220 | 20,860 | *23,120 | 16,270 | |
| | -7.5 m kg | *15,880 | *15,880 | *19,320 | *19,320 | *19,870 | *19,870 | *15,290 | 13,600 | *12,240 | 9,880 | *9,990 | 7,710 | |
| | -25 ft lb | *35,870 | *35,870 | *43,960 | *43,960 | *42,820 | *42,820 | *32,940 | 29,360 | *26,330 | 21,350 | *21,410 | 16,710 | |
| -9.0 m kg | | | *23,450 | *23,450 | *17,030 | *17,030 | *13,260 | *13,260 | *10,560 | 10,270 | *8,190 | 8,120 | | |
| -30 ft lb | | | *49,890 | *49,890 | *36,310 | *36,310 | *28,240 | *28,240 | *22,330 | 22,290 | *16,780 | *16,780 | | |

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 EC500F LR RETRACTABLE undercarriage

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 | 10.5 m / 35'0" | | 12 m / 40'0" | | 13.5 m / 45'0" | | Max. | | |
|---|--------------------------------------|----------------|-----------|--------------|-----------|----------------|-----------|----------|-----------|---------|
| | | Along UC | Across UC | Along UC | Across UC | Along UC | Across UC | Along UC | Across UC | m |
| Boom 9.0 m 29'6" Arm 6.0 m 19'8" Shoe 900 mm 36" Counterweight 10,600 kg 23,370 lb | 12.0 m kg | | | | | | | *4,830 | *4,830 | 11.3 m |
| | 40 ft lb | | | | | | | *10,770 | *10,770 | 36.5 ft |
| | 10.5 m kg | | | *5,350 | *5,350 | | | *4,510 | *4,510 | 12.4 m |
| | 35 ft lb | | | *10,990 | *10,990 | | | *10,000 | *10,000 | 40.4 ft |
| | 9.0 m kg | | | *5,220 | *5,220 | | | *4,310 | *4,310 | 13.3 m |
| | 30 ft lb | | | *11,580 | *11,580 | | | *9,540 | *9,540 | 43.4 ft |
| | 7.5 m kg | | | *5,340 | *5,340 | *5,470 | 5,000 | *4,200 | *4,200 | 13.9 m |
| | 25 ft lb | | | *11,770 | *11,770 | *11,000 | 10,660 | *9,280 | *9,280 | 45.6 ft |
| | 6.0 m kg | | | *5,620 | *5,620 | *5,570 | 4,940 | *4,160 | *4,160 | 14.4 m |
| | 20 ft lb | *12,680 | *12,680 | *12,320 | *12,320 | *12,280 | 10,580 | *9,170 | *9,170 | 47.2 ft |
| | 4.5 m kg | *6,390 | *6,390 | *6,000 | 5,930 | *5,780 | 4,830 | *4,170 | 4,090 | 14.7 m |
| | 15 ft lb | *13,910 | *13,910 | *13,110 | 12,760 | *12,690 | 10,360 | *9,200 | 9,040 | 48.2 ft |
| | 3.0 m kg | *7,030 | *7,030 | *6,440 | 5,720 | *6,060 | 4,700 | *4,240 | 3,950 | 14.8 m |
| | 10 ft lb | *15,290 | 15,180 | *14,040 | 12,300 | *13,270 | 10,090 | *9,360 | 8,730 | 48.7 ft |
| | 1.5 m kg | *7,680 | 6,720 | *6,890 | 5,500 | *6,360 | 4,570 | *4,380 | 3,900 | 14.8 m |
| | 5 ft lb | *16,680 | 14,500 | *15,010 | 11,850 | *13,890 | 9,820 | *9,650 | 8,590 | 48.7 ft |
| | 0 m kg | *8,270 | 6,450 | *7,310 | 5,320 | *6,640 | 4,450 | *4,580 | 3,920 | 14.7 m |
| | 0 ft lb | *17,960 | 13,920 | *15,900 | 11,460 | *14,460 | 9,580 | *10,100 | 8,640 | 48.1 ft |
| | -1.5 m kg | *8,750 | 6,250 | *7,650 | 5,180 | *6,840 | 4,370 | *4,870 | 4,020 | 14.3 m |
| | -5 ft lb | *19,000 | 13,480 | *16,620 | 11,170 | 14,850 | 9,430 | *10,740 | 8,880 | 47.0 ft |
| | -3.0 m kg | *9,070 | 6,120 | *7,860 | 5,100 | 6,870 | 4,350 | *5,270 | 4,230 | 13.8 m |
| | -10 ft lb | *19,680 | 13,210 | *17,040 | 11,010 | *13,400 | 9,420 | *11,660 | 9,350 | 45.3 ft |
| | -4.5 m kg | *9,170 | 6,080 | *7,850 | 5,100 | | | *5,860 | 4,570 | 13.1 m |
| | -15 ft lb | *19,850 | 13,130 | *16,940 | 11,030 | | | *13,000 | 10,130 | 43.0 ft |
| | -6.0 m kg | *8,940 | 6,140 | *7,380 | 5,220 | | | *6,740 | 5,120 | 12.2 m |
| | -20 ft lb | *19,250 | 13,290 | | | | | *15,020 | 11,400 | 39.9 ft |
| | -7.5 m kg | *8,070 | 6,360 | | | | | *7,290 | 6,030 | 11.0 m |
| | -25 ft lb | *17,000 | 13,840 | | | | | *16,110 | 13,520 | 35.8 ft |
| | -9.0 m kg | | | | | | | *7,370 | *7,370 | 9.4 m |
| | -30 ft lb | | | | | | | *16,230 | *16,230 | 30.4 ft |

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.

Equipment

STANDARD AND OPTIONAL EQUIPMENT

• = Standard / o = Optional

Engine

| | |
|--|---|
| Turbocharged, 4 stroke diesel engine with water cooling, direct injection and charged air cooler that meets EU StageV/ NA T4f requirements | • |
| Dual cooling fan system including electric driven for CAC | • |
| Cyclone pre-cleaner | • |
| Fuel shut off valve | • |
| Engine block heater | o |
| Coolant heater by diesel | o |
| Reversible fan drive | o |
| High Capacity cooling | • |
| Precleaner, oil bath | o |
| Air filter, High efficiency | o |
| Delayed engine Shutdown | • |
| Automatic engine shutdown | o |
| Water separator with heater | • |
| Arctic regeneration | o |
| Regeneration control | o |
| Oil sampling for engine oil | • |

Hybrid

| | |
|-----------------------------|---|
| Accumulator, 32 L (8.5 gal) | • |
| Boom regeneration valves | • |
| Assist motor | • |
| Main pump with PTO | • |

Electric / Electronic control system

| | |
|--|---|
| Anti-theft with code lock system | • |
| Alternator, 180 A | • |
| Automatic idling system | • |
| Lock Out / Tag Out function on main battery switch | • |
| Standard light | • |
| Basic light package | o |
| Advanced light package | • |
| Deluxe light package | o |
| Arm light | o |
| LH light | o |

STANDARD AND OPTIONAL EQUIPMENT

• = Standard / o = Optional

Undercarriage and structures

| | |
|--|---|
| 3-point side access | • |
| Direct filling DEF(AdBlue) / Sight gauge and splash guard | • |
| Openable combined muffler hood | • |
| Handrail & Guardrail, fixed/foldable | • |
| Inner rail | • |
| Cabin entrance, fixed | • |
| Cabin entrance, foldable | o |
| Walk way, fixed/foldable | o |
| SIPS (Side Impact Protection Structure) | o |
| HD Side door & hood with screen | o |
| Without lower structure | o |
| Lower frame, Retractable | o |
| Link 600/700/800/900 mm (24/28/32/36") triple grouser shoe | o |
| Link 600 mm (24") triple grouser shoe HD | o |
| Link 600 mm (24") doublegrouser shoe | o |
| Full track guard | o |
| Track tensioner, sand protect | o |
| Removable counterweight | o |
| Counterweight for Long reach | o |

Hydraulic system

| | |
|---|---|
| EH (Electro-Hydraulic) control system | • |
| New work mode with 10 steps | • |
| Auto power boost | • |
| One touch power boost | • |
| Priority Adjustment | • |
| Boom down speed control | • |
| Shock reduction function | • |
| Joystick, Semi-long / 4 switch / 4 switch & 1 proportional / Simple L8 / L8 | o |
| Hydraulic oil mineral 32 / 46 / 68 | o |
| Longlife hyd oil mineral 32 / 46 / 68 | o |
| Hydraulic oil bio 46 | o |
| Pattern change | • |
| Boom float function | • |
| Straight travel pedal | • |
| Comfort driving control | o |
| Creep travel mode | • |
| Provision, Magnet application | o |
| Dust suppression system | o |
| Dedicated drain line | o |
| Variable X3 P-Q control | o |
| Hose rupture valve for boom | o |
| Hose rupture valve for arm | o |

| STANDARD AND OPTIONAL EQUIPMENT | |
|---|---|
| • = Standard / o = Optional | |
| Cab and interior | |
| Keyless engine start and stop | • |
| 8" HD display | • |
| ROPS certified cab | • |
| Tilttable left console | • |
| Digital hour meter | • |
| Wireless mobile charger with Kinematic sensor package option | • |
| Various storage space with cool/heated | • |
| Air pressure supply in cabin | o |
| 1 piece wind shield cab | o |
| High visibility cab | o |
| Cabin large mirror, Heated | o |
| Cabin large mirror | o |
| Basic / Premium / Deluxe seat | o |
| Seat belt, 3 inch 2 point / 2 inch 3 point | o |
| Climate control-HEPA filter | o |
| Radio with MP3/USB/Bluetooth | o |
| Front rain shield | o |
| Sun screen | • |
| Lower wiper | o |
| Sun shield, roof hatch | o |
| Foot rest, High mount | • |
| FOG (Falling Object Guard) | o |
| FOPS (Falling Object Protection Structure) | o |
| Safety net | o |
| Digging equipment | |
| HD 7.0 m (23') boom | • |
| ME 6.5 m (21'4") boom / GP 7.4 m (24'3") boom / LR 9.0 m (29'6") boom / Non-Boom | o |
| HD 3.35 m (11') arm | • |
| ME 2.55 m (8'4") arm / HD 3.0 m (9'10") arm / GP 3.9 m (12'10") arm / GP 4.3 m (14'1") arm / LR 6.0 m (19'8") arm / Non-Arm | o |

| STANDARD AND OPTIONAL EQUIPMENT | |
|---|---|
| • = Standard / o = Optional | |
| Machine controls | |
| Kinematic sensor package | • |
| Volvo Co-Pilot 2nd display, 12.8" touchable Full HD | • |
| Dig Assist, Start | • |
| Dig Assist, 2D | o |
| Dig Assist, In-Field Design | o |
| Dig Assist, Topcon 3D-MC | o |
| Dig Assist, Infield-Design Advanced | o |
| Dig Assist, On-Board Weighing | o |
| Volvo Active Control | o |
| Dig Assist, Boundary Limit | • |
| Safety and security | |
| Travel alarm, beep | • |
| Travel alarm white noise | o |
| Flashing beacon, LED | o |
| Green light beacon | o |
| Rear view camera | o |
| Side view camera | o |
| HD VSV(Volvo Smart View) | • |
| HD VSV with obstacle detection | o |
| Provision, HD VSV with obstacle detection | o |
| Service and maintenance | |
| Fuel level gauge | • |
| Swing out A/C condenser | • |
| Fuel filler pump | o |
| Fast Fuel Fill preparation | o |
| Quick Hydraulic Oil Fill connection | • |
| Quick Engine Oil Change | • |
| Jump start connector | o |
| Auto lubrication system | o |
| Tool kit | o |

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