365C/365C L
Hydraulic Excavator

Engine

<table>
<thead>
<tr>
<th>Engine Model</th>
<th>Cat® C15 ACERT® engine</th>
</tr>
</thead>
<tbody>
<tr>
<td>Net Flywheel Power</td>
<td>302 kW 404 hp</td>
</tr>
</tbody>
</table>

Drive

<table>
<thead>
<tr>
<th>Maximum Travel Speed</th>
<th>4.1 km/h 2.6 mph</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum Drawbar Pull – Long Undercarriage</td>
<td>462 kN 103,767 lb</td>
</tr>
</tbody>
</table>

Weights

<table>
<thead>
<tr>
<th>Operating Weight – Long Undercarriage</th>
<th>65 960 kg 145,430 lb</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Reach Boom, R3.6 (11’10”) stick, 1025 mm (40”) bucket, and 650 mm (26”) shoes.</td>
<td></td>
</tr>
</tbody>
</table>
365C/365C L Hydraulic Excavator

High performance and rugged durability combine to maximize your productivity.

Engine
✓ The Cat C15 engine has state-of-the-art ACERT technology to meet EU Stage II emission regulations, with exceptional performance capabilities and proven reliability. pg. 4

Hydraulics
Proportional Priority Pressure Compensated (PPPC) system with state-of-the-art electronic control ensures hydraulic system efficiency and excellent productivity. pg. 5

Operator Station
✓ An all-new cab provides improved visibility and comfort. The new monitor is a full-color graphical display with enhanced functionality to provide simple, comprehensive machine interface. pg. 6

Front Linkage
✓ Caterpillar® excavator booms and sticks are built for performance and long service life. Two types of booms and six lengths of sticks are available, offering a range of configurations suitable for a wide variety of applications. All booms and sticks are stress relieved. pg. 11

Buckets
A variety of work tools, including buckets, couplers, hammers, and shears are available through Cat Work Tools. pg. 12

High level of sustained production, higher deep trenching and pipe-laying performance, improved reliability and durability increase your productivity and lower your operating costs.
Electronic Control System

Engine and machine Electronic Control Modules maximize fuel efficiency and performance by maintaining the optimum balance between engine speed and hydraulic demand. pg. 8

Undercarriage

✔ Cat designed excavator undercarriage is stable, durable and low maintenance. The undercarriage is a long, variable gauge type for good machine stability and transportability. pg. 9

Structures

Caterpillar design and manufacturing techniques assure outstanding durability and service life from these important components. The 365CL uses thicker plates at the boom foot area to improve rigidity. pg. 10

Service and Maintenance

Fast, easy service has been designed in with extended service intervals, advanced filtration, convenient filter access and user-friendly electronic diagnostics for increased productivity and reduced maintenance costs. pg. 13

Complete Customer Support

Your Cat dealer offers a wide range of services that can be set up under a customer support agreement when you purchase your equipment. The dealer will help you choose a plan that can cover everything from machine configuration to eventual replacement. pg. 14
Diesel Engine. The Caterpillar C15, with ACERT technology, is a 15.2 liter, six-cylinder, 302 kW (404 hp) engine with mechanically actuated electronic fuel injection (MEUI) and overhead camshaft. ACERT technology provides outstanding engine performance through advanced electronic control, precision fuel delivery, and refined air management.

Fuel Consumption. The Advanced Diesel Engine Management (A4) controller uses sensors throughout the engine to manage engine load and performance. The A4 controller is the muscle behind engine responsiveness, self-diagnostics, controlling emissions, and fuel economy.

Fuel System. The Cat C15 ACERT engine uses a mechanically actuated electrically controlled unit injection (MEUI) system. The MEUI system combines high-pressure injection and electronic control in a single compact unit. The electronic unit injector is an integral part of the C15 fuel system. Computerized electronic control provides precise metering and timing of fuel injection.

Cooling System. High capacity, side-by-side cooling system allows operation in ambient temperatures up to 52 degree C (126 degree F). The Electric Power Control (EPC) controls the fan speed based on coolant temperature and hydraulic oil temperature for optimized cooling.

Turbocharger. The C15 engine uses a water-cooled, center-section waste gated turbocharger for improved performance. This turbocharger controls the air volume to the cylinders and works efficiently during low and high load conditions.

Emissions. ACERT Technology is a differentiated technology that reduces emissions at the point of combustion. The technology capitalizes on proven Caterpillar leadership in three core engine systems: fuel, air and electronics.

Cold Weather Starting Kit. The kit consists of two additional batteries, heavy-duty harness, large capacity starting motor, and the ether starting aid. With this kit, the 365C has the capability to start at –32 degree C (–25.6 degree F).

Engine

A combination of innovations working at the point of combustion, ACERT technology optimizes engine performance while meeting EU Stage II emission regulations.
Hydraulics

Cat hydraulics deliver power and precise control to keep material moving.

PPPC Hydraulics. Load sensing, Proportional Priority Pressure Compensation (PPPC) system, with Caterpillar-developed electronic actuation, provides high efficiency and excellent controllability.

- Cylinder speed is directly related to operator’s movement of joystick from feathering to full speed.
- Flow to cylinders during multifunctional operation is directly controlled by the operator and is not dependent on loads.
- Controller reduces pump output to minimum to save power when joysticks are in neutral position.

Main Pumps. Large, heavy-duty main pumps and a separate swing pump provide quick cycle times during multi-function operation.

Reverse Swing Damping Valve. Swing dampening valves reduce swing wag and produce smooth swing stops.

Auxiliary Hydraulic Valve. The auxiliary valve is standard on the 365C L. The auxiliary valve is used with optional control arrangements to operate tools such as hammers and shears.
Operator Station

*Designed for simple, easy operation and comfort, the 365C L allows the operator to focus on production.*
**Cab Design.** The workstation has been designed to be spacious, quiet and comfortable for the operator, assuring high productivity throughout the entire workday. Switches are conveniently located for easy access. The new monitor is located to provide excellent visibility and access.

**Seat.** The 365C L seat provides a variety of adjustments, including fore/aft, height and weight to suit the operator. Also included are adjustable armrests and a retractable seat belt. For additional comfort, a new heated air suspension seat is available as an attachment.

**Hydraulic Activation Control Lever.** The hydraulic activation control lever deactivates hydraulic functions during engine start-up, and prevents unintentional machine operation.

**Climate Control.** Positive filtered ventilation with a pressurized cab comes standard on the 365C L. Fresh air or re-circulated air can be selected with a switch on the left console.

**Windows.** To maximize visibility, all glass is affixed directly to the cab eliminating the use of window frames. The upper front windshield opens, closes and stores on the roof above the operator with a one-touch action release system. The lower front windshield features a rounded design for excellent downward visibility and improves wiper coverage.

**Wipers.** Pillar-mounted parallelogram wiper, including a washer nozzle, increases the operator’s viewing area and offers continuous and intermittent modes.

**Skylight.** An enlarged skylight with sunshade provides excellent visibility and good ventilation.

**Monitor.** The compact, full-color, graphical display monitor is new with the 365C L. The monitor has functions to display machine, maintenance, diagnostic and prognostic information. The angle of the monitor can be adjusted to face the operator and prevent sun glare.

**Consoles.** Redesigned consoles feature a simple, functional design to reduce operator fatigue, ease of switch operation and excellent visibility. Both consoles have attached armrests and allow the height of the armrests to be adjusted.

**Cab Exterior.** The exterior design uses thick steel tubing along the bottom perimeter of the cab, improving the resistance of fatigue and vibration. This design allows the FOGS to be bolted directly to the cab, at the factory or as an attachment later, enabling the machine to meet specifications and job site requirements.

**Cab Mounts.** The cab shell is attached to the frame with viscous rubber cab mounts, which dampen vibrations and sound levels while enhancing operator comfort.

**Standard Cab Equipment.** To enhance operator comfort and productivity, the 365C L cab includes a lighter, drink holder, coat hook, service meter, literature holder, magazine rack and storage compartment.

**Machine Security.** An optional Machine Security System (MSS) is available from the factory on the 365C L. MSS uses a special Caterpillar key with an embedded electronic chip for controlling unauthorized machine operation.

**Product Link.** The 365C L is “Product Link Ready” from the factory.
Monitor Display Screen. The monitor is a full color 400 x 234 pixels Liquid Crystal Display (LCD) graphic display. The Master Caution action lamp blinks ON and OFF when one of the critical conditions below occurs:

- Engine oil pressure low
- Coolant temperature high
- Hydraulic oil temperature high

Under normal conditions or default condition, the monitor display screen is divided into four areas; clock and throttle dial, gauge, event display and multi-information display.

Clock and Throttle Dial Display.
The clock, throttle dial and gas-station icon with green color are displayed in this area.

Gauge Display. Three analog gauges, fuel level, hydraulic oil temperature and coolant temperature, are displayed in this area.

Event Display. Machine event information is displayed in this area along with the icon and language.

Multi-information Display. This area is reserved for displaying information that is convenient for the operator. The “CAT” logo mark is displayed when no information is available to display.

Operator Gain/Response. This is used to suit the operators preference or application.

- Quicker, for fast response and more production
- Slower, for more precision
- Three preset settings with 21 available

Pattern Control Changer. The standard hand control pattern changer can be accessed through the monitor, to utilize either the standard excavator control pattern (SAE) or Backhoe-loader pattern (BHL).

Electronic Joysticks. Electronic joysticks provide features not possible with hydraulic pilot valves:

- Eliminate pilot lines in cab for quieter operation
- Simple pattern change through the monitor

Electronic Control System
Manages the engine and hydraulics for maximum performance.
Undercarriage Components. Large, Caterpillar designed and built undercarriage components offer heavy-duty performance and durability.

Sealed and Lubricated Rollers. Track rollers, carrier rollers and idlers are sealed and lubricated for excellent service life.

Idler Guards and Track Guides. Idler guards and center track guides used to maintain track alignment are standard on the 365C L. Optional two-piece full-length track guiding guards are available for additional protection on steep side slopes.

Track. The 365C L comes standard with the new grease lubricated track called GLT4. The track links are assembled and sealed with grease to decrease internal bushing wear, reduce travel noise, extend service life and lowering operating costs.

Travel Motor. Two-speed axial piston hydraulic motors provide the 365C L drive power and automatic speed selection when the high-speed position is selected. This enables the machine to automatically change between computer-controlled high and low speeds depending on drawbar-pull requirements.

Final Drives. The final drives are the three-stage reduction planetary type. This design results in a complete drive/brake unit that is compact and delivers excellent performance and reliability.
**Structures**

*The 365C L structural components are the backbone of the machine’s durability.*

---

**Carbody Design.** The advanced carbody design stands up to the toughest applications.

- Modified X-shaped, box-section carbody provides excellent resistance to torsional bending.
- Upper structure weight and stresses are distributed evenly across the full length of the track roller frame.
- Robot welding ensures consistent, high-quality welds throughout the manufacturing process.

**Upper Frame.** The rugged main frame is designed for maximum durability and efficient use of materials.

- Robot welding for consistent, high-quality welds.
- Outer frame utilizes curved side rails, which are die-formed, for excellent uniformity and strength throughout the length.
- Box section channels improve upper frame rigidity under the cab.
- Boom tower and one piece main rails are constructed of solid, high-tensile strength steel plates.
- New boom foot design transfers load more efficiently with less stress in critical areas.
- Reinforced lift cylinder and swing drive mounts increase structure durability in rock and quarry applications.

**Cross-roller Bearing.** The 365C L swing bearing is a cross roller type, with 54 mm (2.13”) diameter rollers. The cross rollers have a much greater contact area than ball bearings, providing increased stability and longer life.

**Track Roller Frames.** The track roller frame is made up of a thick steel plate that is bent into a U-shape and welded to the bottom plate to create a box structure. The box structure design provides increased rigidity and impact resistance.

**Variable Gauge Undercarriage.**

The long variable gauge undercarriage is standard, providing a wide, stable base for operating, or a narrow gauge for reduced shipping width. The track roller frames are bolted to the carbody, and can be placed in two positions.
Front Linkage

The 365C L is designed for flexibility, high productivity, and efficiency in a variety of applications.

Front Linkage Attachments. Select the right combination of front linkage with your Cat dealer to ensure high productivity from the very start of your job. Two types of booms and six sticks are available, offering a range of configurations suitable for a wide variety of applications. The 365C L offers a large combination of reach and digging forces for optimum versatility.

Boom Construction. The 365C L booms have large cross-sections and internal baffle plates to provide long life durability. Castings and forgings are used in critical high-load areas such as the boom nose, boom foot, and boom cylinder connection.

Reach Boom. The 7.8 m (25 ft 7 in) Reach Boom (R), has been designed to balance the reach, digging force and bucket capacity required for a wide range of applications. Four reach sticks are available for use with the Reach boom.

Mass Excavation Boom. The Mass Excavation Boom (M) 6.59 m (21 ft 7 in) is designed to provide maximum productivity. Two Mass sticks are available for high digging forces and increased bucket capacity.

Stick Construction. The 365C L sticks are made of high-tensile strength steel using a large box section design with interior baffle plates and an additional bottom guard to protect against damage. All sticks undergo a stress relieving process for greater durability.

Reach Sticks. Four lengths of reach sticks are available to suite a variety of applications. Reach sticks use the VB-family bucket linkage and buckets.

Mass Sticks. Two mass excavation sticks are available for higher digging forces and increased bucket capacity. Mass sticks use WB-family bucket linkage and buckets.

Bucket Linkage. Two bucket linkages are available for the 365C L. Both linkages are available with or without a lifting eye on the power link.

- The VB bucket linkage is for use with the reach sticks and VB-family buckets.
- The WB bucket linkage is for use with the mass sticks and WB-family buckets.

Power Link. The new 365C L power link improves durability, increases machine-lifting capability in key lifting positions, and is easier to use compared to the previous lift bar design.

Linkage Pins. All pins used in 365C L front linkages have thick chrome plating, giving them high wear and corrosion resistance. The large diameter pins smoothly distribute the shear and bending loads to help ensure long pin, boom and stick life.
**Service and Performance.**
Caterpillar buckets increase service life and optimize performance.

- High strength and heat treated steel are located in high wear areas.
- Dual radius design for increased heel clearance and reduced wear.
- VB-family buckets include a lift eye.
- A variety of exclusive hydraulic dedicated coupler buckets are also available.

**General Purpose (GP) and Excavation (E) Buckets.** General Purpose (GP) and Excavation (E) buckets are for digging in soft to hard ground with low to moderate abrasive materials.

**Heavy Duty (HD) and Extreme Excavation (EX) Buckets.** Heavy Duty buckets are intended for use in moderate materials like clay or dirt mixed with rock, and feature aggressive design for moderately abrasive applications. Differences from GP buckets are:
- Thicker cutting edges, thicker bottom and side wear plates that improve performance in demanding applications.

**Heavy Duty Rock (HDR) and Rock (R) Buckets.** Heavy Duty Rock (HDR) and Rock (R) buckets for digging in fragmented rock, frozen ground, caliche and highly abrasive materials. Differences from HD buckets are:
- Additional, thicker wear plates extend beyond side plates for corner and rear dent protection and improved durability.
- Larger side plates provide additional dent protection.

**Ground Engaging Tools.** Caterpillar Ground Engaging Tools (GET) include a variety of side cutters, sidebar protectors, and tip options to match operating conditions.

**Work Tools.** Choose from a variety of work tools such as hammers, shears, rotators, grapples or crushers. Ask your Cat dealer for information on attachments or special configurations.
Service Intervals. Service intervals are extended to reduce maintenance costs.

- Engine oil, oil filter and fuel filters are at 500 hours

Oil Sample and Pressure Ports. Oil sample and pressure ports provide easy checking of machine condition and are standard on every machine.

Hydraulic Capsule Filters. The return filters or capsule filters for the hydraulic system are located beside the hydraulic tank. The filter elements are removable without spilling hydraulic oil.

Service Points. Service points are centrally located with easy access to facilitate routine maintenance.

Pilot Hydraulic System Filter. Pilot hydraulic system filter keeps contaminants from the pilot system and is located in the pump compartment.

Remote Greasing Block. A concentrated remote greasing block on the boom delivers grease to hard-to-reach locations.

Radial Seal Cleaner. Radial seal main air cleaner with precleaner has a double-layered filter element for more efficient filtration. No tools are required to change the element.

Fuel-Water Separator. The water separator removes water from fuel, even when under pressure, and water level can be monitored in the cab.
Product Support. You will find nearly all parts at our dealer parts counter. Cat dealers utilize a worldwide computer network to find in-stock parts to minimize machine downtime. You can save money with Cat remanufactured components.

Machine Selection. Make detailed comparisons of the machines you are considering before you buy. What are the job requirements, machine attachments and operating hours? What production is needed? Your Cat dealer can provide recommendations.

Purchase. Look past initial price. Consider the financing options available as well as day-to-day operating costs. This is also the time to look at dealer services that can be included in the cost of the machine to yield lower equipment owning and operating costs over the long run.

Customer Support Agreements. Cat dealers offer a variety of product support agreements, and work with customers to develop a plan the best meets specific needs. These plans can cover the entire machine, including attachments, to help protect the customer’s investment.

Operation. Improving operating techniques can boost your profits. Your Cat dealer has videotapes, literature and other ideas to help you increase productivity, and Caterpillar offers certified operator training classes to help maximize the return on your investment.

Maintenance Services. Repair option programs guarantee the cost of repairs up front. Diagnostic programs such as Scheduled Oil Sampling, Coolant Sampling and Technical Analysis help you avoid unscheduled repairs.

Replacement. Repair, rebuild or replace? Your Cat dealer can help you evaluate the cost involved so you can make the right choice.
### Engine

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Engine Model</td>
<td>Cat C15 ACERT engine</td>
</tr>
<tr>
<td>Net Flywheel Power</td>
<td>302 kW / 404 hp</td>
</tr>
<tr>
<td>ISO 9249</td>
<td>302 kW / 404 hp</td>
</tr>
<tr>
<td>SAE J1349</td>
<td>302 kW / 404 hp</td>
</tr>
<tr>
<td>EEC 80/1269</td>
<td>302 kW / 404 hp</td>
</tr>
<tr>
<td>Bore</td>
<td>137 mm / 5.4 in</td>
</tr>
<tr>
<td>Stroke</td>
<td>171 mm / 6.75 in</td>
</tr>
<tr>
<td>Displacement</td>
<td>15.2 L / 928 in³</td>
</tr>
</tbody>
</table>

- The 365C L meets EU Stage II emission requirements.
- Net power advertised is the power available at the flywheel when the engine is equipped with fan, air cleaner, muffler and alternator.
- No engine power derating required below 2300 m (7,500 ft) altitude.

### Swing Mechanism

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Swing Speed</td>
<td>6.5 rpm</td>
</tr>
<tr>
<td>Swing Torque</td>
<td>204.5 kN•m / 150,850 lb ft</td>
</tr>
</tbody>
</table>

### Drive

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum Travel Speed</td>
<td>4.1 km/h / 2.6 mph</td>
</tr>
<tr>
<td>Maximum Drawbar Pull – Long Undercarriage</td>
<td>462 kN / 103,767 lb</td>
</tr>
</tbody>
</table>

### Hydraulic System

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Main System – Maximum Flow (Total)</td>
<td>800 L/min / 212 gal/min</td>
</tr>
<tr>
<td>Swing System – Maximum Flow</td>
<td>357 L/min / 94 gal/min</td>
</tr>
<tr>
<td>Maximum Pressure – Equipment – Normal</td>
<td>32 000 kPa / 4,640 psi</td>
</tr>
<tr>
<td>Maximum Pressure – Equipment – Heavy Lift</td>
<td>35 000 kPa / 5,080 psi</td>
</tr>
<tr>
<td>Maximum Pressure – Travel</td>
<td>35 000 kPa / 5,080 psi</td>
</tr>
<tr>
<td>Maximum Pressure – Swing</td>
<td>28 000 kPa / 4,060 psi</td>
</tr>
<tr>
<td>Pilot System – Maximum Flow</td>
<td>90 L/min / 24 gal/min</td>
</tr>
<tr>
<td>Pilot System – Maximum Pressure</td>
<td>4120 kPa / 600 psi</td>
</tr>
<tr>
<td>Boom Cylinder – Bore</td>
<td>190 mm / 7.5 in</td>
</tr>
<tr>
<td>Stick Cylinder – Bore</td>
<td>200 mm / 7.9 in</td>
</tr>
<tr>
<td>Stick Cylinder – Stroke</td>
<td>2118 mm / 83.4 in</td>
</tr>
<tr>
<td>PB Family Bucket Cylinder – Bore</td>
<td>180 mm / 7.1 in</td>
</tr>
<tr>
<td>PB Family Bucket Cylinder – Stroke</td>
<td>1443 mm / 56.8 in</td>
</tr>
<tr>
<td>WB Family Bucket Cylinder – Bore</td>
<td>200 mm / 7.9 in</td>
</tr>
<tr>
<td>WB Family Bucket Cylinder – Stroke</td>
<td>1457 mm / 57.4 in</td>
</tr>
</tbody>
</table>

### Weights

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating Weight – Long Undercarriage</td>
<td>65 960 kg / 145,430 lb</td>
</tr>
<tr>
<td>Reach Boom, R3.6 (11'10&quot;) stick, 1025 mm (40&quot;) bucket, and 650 mm (26&quot;) shoes.</td>
<td></td>
</tr>
</tbody>
</table>

### Operating Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max Reach at Ground Level</td>
<td>14.04 m / 46 ft</td>
</tr>
<tr>
<td>Max Digging Depth</td>
<td>9.64 m / 31 ft 8 in</td>
</tr>
<tr>
<td>Bucket Digging Force</td>
<td>193 kN / 43,400 lb</td>
</tr>
<tr>
<td>Stick Digging Force</td>
<td>256 kN / 59,600 lb</td>
</tr>
<tr>
<td>Max Bucket Capacity</td>
<td>3.8 m³ / 5 yd³</td>
</tr>
<tr>
<td>Nominal Bucket Weight</td>
<td>1912 kg / 4,210 lb</td>
</tr>
<tr>
<td>Bucket Digging Force – Normal</td>
<td>256 kN / 59,600 lb</td>
</tr>
</tbody>
</table>

### Track

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Standard w/Long Undercarriage</td>
<td>900 mm / 36 in</td>
</tr>
<tr>
<td>Optional for Long Undercarriage</td>
<td>750 mm / 30 in</td>
</tr>
<tr>
<td>Optional for Long Undercarriage</td>
<td>650 mm / 26 in</td>
</tr>
<tr>
<td>Number of Shoes Each Side – Long Undercarriage</td>
<td>47</td>
</tr>
<tr>
<td>Number of Track Rollers</td>
<td>8</td>
</tr>
<tr>
<td>Each Side – Long Undercarriage</td>
<td></td>
</tr>
<tr>
<td>Number of Carrier Rollers Each Side</td>
<td>3</td>
</tr>
</tbody>
</table>

### Service Refill Capacities

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fuel Tank Capacity</td>
<td>800 L / 211 gal</td>
</tr>
<tr>
<td>Cooling System</td>
<td>95 L / 25 gal</td>
</tr>
<tr>
<td>Engine Oil</td>
<td>54 L / 14.3 gal</td>
</tr>
<tr>
<td>Swing Drive (each)</td>
<td>12 L / 3.2 gal</td>
</tr>
<tr>
<td>Final Drive (each)</td>
<td>15 L / 4 gal</td>
</tr>
<tr>
<td>Hydraulic System (including tank)</td>
<td>670 L / 177 gal</td>
</tr>
<tr>
<td>Hydraulic Tank</td>
<td>310 L / 82 gal</td>
</tr>
</tbody>
</table>
**Sound Performance**

<table>
<thead>
<tr>
<th>Performance</th>
<th>ANSI/SAE J1166 OCT98</th>
</tr>
</thead>
</table>

- When properly installed and maintained, the cab offered by Caterpillar, when tested with doors and windows closed according to ANSI/SAE J1166 OCT98, meets OSHA and MSHA requirements for operator sound exposure limits in effect at time of manufacture.
- Hearing protection may be needed when operating with an open operator station and cab (when not properly maintained or doors/windows open) for extended periods or in a noisy environment.

**Standards**

<table>
<thead>
<tr>
<th>Standards</th>
<th>SAE J1026 APR90</th>
</tr>
</thead>
<tbody>
<tr>
<td>Brakes</td>
<td>SAE J1356 FEB88</td>
</tr>
<tr>
<td>Cab/FOGS</td>
<td>ISO10262</td>
</tr>
</tbody>
</table>

---

16  

**365C/365C L Hydraulic Excavator** specifications
## Dimensions

All dimensions are approximate.

<table>
<thead>
<tr>
<th>Dimensions</th>
<th>Reach Boom</th>
<th>Mass Boom</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>7.8 m (25'7&quot;)</strong></td>
<td><strong>6.59 m (21'7&quot;)</strong></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Stick</strong></th>
<th>R4.67 m (15'4&quot;)</th>
<th>R4.15 m (13'7&quot;)</th>
<th>R3.6 m (11'10&quot;)</th>
<th>R2.84 m (9'4&quot;)</th>
<th>M3.0 m (9'10&quot;)</th>
<th>M2.57 m (8'5&quot;)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Shipping Height</td>
<td>4960 mm (16'3&quot;)</td>
<td>4615 mm (15'2&quot;)</td>
<td>4390 mm (14'5&quot;)</td>
<td>4200 mm (13'9&quot;)</td>
<td>4560 mm (15'0&quot;)</td>
<td>4600 mm (15'1&quot;)</td>
</tr>
<tr>
<td>2 Shipping Length</td>
<td>13 170 mm (43'3&quot;)</td>
<td>13 225 mm (43'5&quot;)</td>
<td>13 310 mm (43'9&quot;)</td>
<td>13 310 mm (43'9&quot;)</td>
<td>12 150 mm (39'11&quot;)</td>
<td>12 160 mm (39'11&quot;)</td>
</tr>
<tr>
<td>3 Tail Swing Radius</td>
<td>4020 mm (13'3&quot;)</td>
<td>4020 mm (13'3&quot;)</td>
<td>4020 mm (13'3&quot;)</td>
<td>4020 mm (13'3&quot;)</td>
<td>4020 mm (13'3&quot;)</td>
<td>4020 mm (13'3&quot;)</td>
</tr>
<tr>
<td>4 Length to Center of Rollers</td>
<td>4705 mm (15'5&quot;)</td>
<td>4705 mm (15'5&quot;)</td>
<td>4705 mm (15'5&quot;)</td>
<td>4705 mm (15'5&quot;)</td>
<td>4705 mm (15'5&quot;)</td>
<td>4705 mm (15'5&quot;)</td>
</tr>
<tr>
<td>5 Track Length</td>
<td>5860 mm (19'3&quot;)</td>
<td>5860 mm (19'3&quot;)</td>
<td>5860 mm (19'3&quot;)</td>
<td>5860 mm (19'3&quot;)</td>
<td>5860 mm (19'3&quot;)</td>
<td>5860 mm (19'3&quot;)</td>
</tr>
<tr>
<td>6 Ground Clearance</td>
<td>840 mm (33&quot;)</td>
<td>840 mm (33&quot;)</td>
<td>840 mm (33&quot;)</td>
<td>840 mm (33&quot;)</td>
<td>840 mm (33&quot;)</td>
<td>840 mm (33&quot;)</td>
</tr>
<tr>
<td>7 Track Gauge (Shipping)*</td>
<td>2750 mm (9'0&quot;)</td>
<td>2750 mm (9'0&quot;)</td>
<td>2750 mm (9'0&quot;)</td>
<td>2750 mm (9'0&quot;)</td>
<td>2750 mm (9'0&quot;)</td>
<td>2750 mm (9'0&quot;)</td>
</tr>
<tr>
<td>8 Transport Width**</td>
<td>3500 mm (11'6&quot;)</td>
<td>3500 mm (11'6&quot;)</td>
<td>3500 mm (11'6&quot;)</td>
<td>3500 mm (11'6&quot;)</td>
<td>3500 mm (11'6&quot;)</td>
<td>3500 mm (11'6&quot;)</td>
</tr>
<tr>
<td>9 Cab Height</td>
<td>3535 mm (11'7&quot;)</td>
<td>3535 mm (11'7&quot;)</td>
<td>3535 mm (11'7&quot;)</td>
<td>3535 mm (11'7&quot;)</td>
<td>3535 mm (11'7&quot;)</td>
<td>3535 mm (11'7&quot;)</td>
</tr>
</tbody>
</table>

* Track Gauge in extended (working) position: 3250 mm (10'8")
** Transport Width shown for 750 mm (30") shoes.
Add 150 mm (6") for 900 mm (36") shoes.
Subtract 100 mm (4") for 650 mm (26") shoes.
## Reach Working Ranges
Reach (R) boom configuration

### Reach Boom
7.8 m (25'7")

<table>
<thead>
<tr>
<th>Stick</th>
<th>R4.67VB (15'4&quot;)</th>
<th>R4.15VB (13'7&quot;)</th>
<th>R3.60VB (11'10&quot;)</th>
<th>R2.84VB (9'4&quot;)</th>
<th>M3.00WB (9'10&quot;)</th>
<th>M2.57WB (8'5&quot;)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bucket</td>
<td>HD 2.8 m 3.68 yd</td>
<td>HD 2.8 m 3.68 yd</td>
<td>HD 2.8 m 3.68 yd</td>
<td>HD 2.8 m 3.68 yd</td>
<td>Ex 4.6 m 6.00 yd</td>
<td>Ex 4.6 m 6.00 yd</td>
</tr>
<tr>
<td>1 Maximum Digging Depth</td>
<td>9640 mm (31'0&quot;)</td>
<td>8940 mm (29'4&quot;)</td>
<td>8390 mm (27'6&quot;)</td>
<td>7630 mm (25'0&quot;)</td>
<td>7170 mm (23'6&quot;)</td>
<td>6750 mm (22'2&quot;)</td>
</tr>
<tr>
<td>2 Maximum Reach at Ground Level</td>
<td>14 040 mm (46'1&quot;)</td>
<td>13 490 mm (44'3&quot;)</td>
<td>12 980 mm (42'7&quot;)</td>
<td>12 340 mm (40'6&quot;)</td>
<td>11 240 mm (36'11&quot;)</td>
<td>10 840 mm (35'7&quot;)</td>
</tr>
<tr>
<td>3 Maximum Loading Height</td>
<td>9190 mm (30'2&quot;)</td>
<td>8830 mm (29'0&quot;)</td>
<td>8600 mm (28'3&quot;)</td>
<td>8440 mm (27'8&quot;)</td>
<td>7090 mm (23'3&quot;)</td>
<td>6920 mm (22'8&quot;)</td>
</tr>
<tr>
<td>4 Minimum Loading Height</td>
<td>2420 mm (7'11&quot;)</td>
<td>2940 mm (9'8&quot;)</td>
<td>3490 mm (11'5&quot;)</td>
<td>4250 mm (13'11&quot;)</td>
<td>2910 mm (9'7&quot;)</td>
<td>3330 mm (10'11&quot;)</td>
</tr>
<tr>
<td>5 Maximum Depth Cut for 2240 mm (8’) Level Bottom</td>
<td>9350 mm (30'8&quot;)</td>
<td>8820 mm (28’11&quot;)</td>
<td>8260 mm (27’1&quot;)</td>
<td>7480 mm (24’6&quot;)</td>
<td>7020 mm (23’0&quot;)</td>
<td>6580 mm (21’7&quot;)</td>
</tr>
<tr>
<td>6 Maximum Vertical Wall Digging Depth</td>
<td>8480 mm (27’10&quot;)</td>
<td>7790 mm (25’7”)</td>
<td>7080 mm (23’3&quot;)</td>
<td>5870 mm (19’3&quot;)</td>
<td>5240 mm (17’6&quot;)</td>
<td>4950 mm (16’3&quot;)</td>
</tr>
</tbody>
</table>

### Bucket Digging Force (SAE)

<table>
<thead>
<tr>
<th>Bucket Digging Force (SAE)</th>
<th>256 kN (59,600 lb)</th>
<th>256 kN (59,600 lb)</th>
<th>264 kN (59,300 lb)</th>
<th>277 kN (62,300 lb)</th>
<th>330 kN (74,200 lb)</th>
<th>330 kN (74,200 lb)</th>
</tr>
</thead>
<tbody>
<tr>
<td>(ISO)</td>
<td>302 kN (67,900 lb)</td>
<td>302 kN (67,900 lb)</td>
<td>301 kN (67,600 lb)</td>
<td>316 kN (71,000 lb)</td>
<td>384 kN (86,300 lb)</td>
<td>383 kN (86,100 lb)</td>
</tr>
</tbody>
</table>

### Stick Digging Force (SAE)

<table>
<thead>
<tr>
<th>Stick Digging Force (SAE)</th>
<th>193 kN (43,400 lb)</th>
<th>209 kN (47,000 lb)</th>
<th>230 kN (51,700 lb)</th>
<th>257 kN (57,700 lb)</th>
<th>254 kN (57,000 lb)</th>
<th>277 kN (62,200 lb)</th>
</tr>
</thead>
<tbody>
<tr>
<td>(ISO)</td>
<td>199 kN (44,700 lb)</td>
<td>216 kN (48,600 lb)</td>
<td>239 kN (53,700 lb)</td>
<td>268 kN (60,200 lb)</td>
<td>265 kN (59,500 lb)</td>
<td>290 kN (65,200 lb)</td>
</tr>
</tbody>
</table>

## Mass Working Ranges
Mass (M) boom configuration

### Mass Boom
6.59 m (21'7")

<table>
<thead>
<tr>
<th>Stick</th>
<th>R4.67VB (15'4&quot;)</th>
<th>R4.15VB (13'7&quot;)</th>
<th>R3.60VB (11'10&quot;)</th>
<th>R2.84VB (9'4&quot;)</th>
<th>M3.00WB (9'10&quot;)</th>
<th>M2.57WB (8'5&quot;)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bucket</td>
<td>HD 2.8 m 3.68 yd</td>
<td>HD 2.8 m 3.68 yd</td>
<td>HD 2.8 m 3.68 yd</td>
<td>HD 2.8 m 3.68 yd</td>
<td>Ex 4.6 m 6.00 yd</td>
<td>Ex 4.6 m 6.00 yd</td>
</tr>
<tr>
<td>1 Maximum Digging Depth</td>
<td>9640 mm (31'0&quot;)</td>
<td>8940 mm (29'4&quot;)</td>
<td>8390 mm (27'6&quot;)</td>
<td>7630 mm (25'0&quot;)</td>
<td>7170 mm (23'6&quot;)</td>
<td>6750 mm (22'2&quot;)</td>
</tr>
<tr>
<td>2 Maximum Reach at Ground Level</td>
<td>14 040 mm (46'1&quot;)</td>
<td>13 490 mm (44'3&quot;)</td>
<td>12 980 mm (42'7&quot;)</td>
<td>12 340 mm (40'6&quot;)</td>
<td>11 240 mm (36'11&quot;)</td>
<td>10 840 mm (35'7&quot;)</td>
</tr>
<tr>
<td>3 Maximum Loading Height</td>
<td>9190 mm (30'2&quot;)</td>
<td>8830 mm (29'0&quot;)</td>
<td>8600 mm (28'3&quot;)</td>
<td>8440 mm (27'8&quot;)</td>
<td>7090 mm (23'3&quot;)</td>
<td>6920 mm (22'8&quot;)</td>
</tr>
<tr>
<td>4 Minimum Loading Height</td>
<td>2420 mm (7'11&quot;)</td>
<td>2940 mm (9'8&quot;)</td>
<td>3490 mm (11'5&quot;)</td>
<td>4250 mm (13'11&quot;)</td>
<td>2910 mm (9'7&quot;)</td>
<td>3330 mm (10'11&quot;)</td>
</tr>
<tr>
<td>5 Maximum Depth Cut for 2240 mm (8’) Level Bottom</td>
<td>9350 mm (30'8&quot;)</td>
<td>8820 mm (28’11&quot;)</td>
<td>8260 mm (27’1&quot;)</td>
<td>7480 mm (24’6&quot;)</td>
<td>7020 mm (23’0&quot;)</td>
<td>6580 mm (21’7&quot;)</td>
</tr>
<tr>
<td>6 Maximum Vertical Wall Digging Depth</td>
<td>8480 mm (27’10&quot;)</td>
<td>7790 mm (25’7”)</td>
<td>7080 mm (23’3&quot;)</td>
<td>5870 mm (19’3&quot;)</td>
<td>5240 mm (17’6&quot;)</td>
<td>4950 mm (16’3&quot;)</td>
</tr>
</tbody>
</table>

### Bucket Digging Force (SAE)

<table>
<thead>
<tr>
<th>Bucket Digging Force (SAE)</th>
<th>256 kN (59,600 lb)</th>
<th>256 kN (59,600 lb)</th>
<th>264 kN (59,300 lb)</th>
<th>277 kN (62,300 lb)</th>
<th>330 kN (74,200 lb)</th>
<th>330 kN (74,200 lb)</th>
</tr>
</thead>
<tbody>
<tr>
<td>(ISO)</td>
<td>302 kN (67,900 lb)</td>
<td>302 kN (67,900 lb)</td>
<td>301 kN (67,600 lb)</td>
<td>316 kN (71,000 lb)</td>
<td>384 kN (86,300 lb)</td>
<td>383 kN (86,100 lb)</td>
</tr>
</tbody>
</table>

### Stick Digging Force (SAE)

<table>
<thead>
<tr>
<th>Stick Digging Force (SAE)</th>
<th>193 kN (43,400 lb)</th>
<th>209 kN (47,000 lb)</th>
<th>230 kN (51,700 lb)</th>
<th>257 kN (57,700 lb)</th>
<th>254 kN (57,000 lb)</th>
<th>277 kN (62,200 lb)</th>
</tr>
</thead>
<tbody>
<tr>
<td>(ISO)</td>
<td>199 kN (44,700 lb)</td>
<td>216 kN (48,600 lb)</td>
<td>239 kN (53,700 lb)</td>
<td>268 kN (60,200 lb)</td>
<td>265 kN (59,500 lb)</td>
<td>290 kN (65,200 lb)</td>
</tr>
</tbody>
</table>

---

**365C/365C L Hydraulic Excavator** specifications
## Operating Weight* and Ground Pressure

<table>
<thead>
<tr>
<th>Configuration</th>
<th>Track 900 mm (36&quot;) Shoes</th>
<th>Track 750 mm (30&quot;) Shoes</th>
<th>Track 650 mm (26&quot;) Shoes</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Operating Weight</td>
<td>Ground Pressure</td>
<td>Operating Weight</td>
</tr>
<tr>
<td></td>
<td>kg</td>
<td>lb</td>
<td>kPa</td>
</tr>
<tr>
<td>7.8 m (25'7'') reach boom 1600 mm (63'')</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>R4.67 m (15'4'') stick</td>
<td>69 680</td>
<td>153,616</td>
<td>74.3</td>
</tr>
<tr>
<td>R4.15 m (13'7'') stick</td>
<td>69 520</td>
<td>153,263</td>
<td>74.1</td>
</tr>
<tr>
<td>R3.60 m (11'10'') stick</td>
<td>69 310</td>
<td>152,800</td>
<td>73.9</td>
</tr>
<tr>
<td>R2.84 m (9'4'') stick</td>
<td>69 100</td>
<td>152,337</td>
<td>73.7</td>
</tr>
<tr>
<td>7.8 m (25'7'') reach boom 1700 mm (67'')</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>R4.67 m (15'4'') stick</td>
<td>70 020</td>
<td>154,365</td>
<td>74.7</td>
</tr>
<tr>
<td>R4.15 m (13'7'') stick</td>
<td>69 860</td>
<td>154,012</td>
<td>74.5</td>
</tr>
<tr>
<td>R3.60 m (11'10'') stick</td>
<td>69 650</td>
<td>153,549</td>
<td>74.3</td>
</tr>
<tr>
<td>R2.84 m (9'4'') stick</td>
<td>69 440</td>
<td>153,086</td>
<td>74.1</td>
</tr>
<tr>
<td>6.59 m (21'7'') mass boom 2140 mm (84'')</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>M3.00 m (9'10'') stick</td>
<td>70 850</td>
<td>156,195</td>
<td>75.6</td>
</tr>
<tr>
<td>M2.57 m (8'5') stick</td>
<td>70 900</td>
<td>156,305</td>
<td>75.6</td>
</tr>
<tr>
<td>6.59 m (21'7'') mass boom 1850 mm (73') Rock</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>M3.00 m (9'10'') stick</td>
<td>70 850</td>
<td>156,195</td>
<td>75.6</td>
</tr>
<tr>
<td>M2.57 m (8'5') stick</td>
<td>70 900</td>
<td>156,305</td>
<td>75.6</td>
</tr>
</tbody>
</table>

* Operating weight includes full fuel tank and 75 kg (165 lb) operator.

## 365C Major Component Weights

<table>
<thead>
<tr>
<th>Component Description</th>
<th>kg</th>
<th>lb</th>
</tr>
</thead>
<tbody>
<tr>
<td>Base machine with counterweight and 900 mm (36&quot;) shoes (without front linkage)</td>
<td>54 890</td>
<td>121,000</td>
</tr>
<tr>
<td>Two boom cylinders</td>
<td>1335</td>
<td>2,900</td>
</tr>
<tr>
<td>Counterweight</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Removal type</td>
<td>9300</td>
<td>20,500</td>
</tr>
<tr>
<td>Non-removal type</td>
<td>10 050</td>
<td>22,200</td>
</tr>
<tr>
<td>Boom (includes lines, pins and stick cylinder)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Reach boom 7.8 m (25'7'')</td>
<td>6400</td>
<td>14,100</td>
</tr>
<tr>
<td>Mass boom 6.59 m (21'7'')</td>
<td>6420</td>
<td>14,200</td>
</tr>
<tr>
<td>Stick (includes lines, pins, bucket cylinder and linkage)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>R4.67VB (15'4'')</td>
<td>3980</td>
<td>8,800</td>
</tr>
<tr>
<td>R4.15VB (13'7'')</td>
<td>3800</td>
<td>8,400</td>
</tr>
<tr>
<td>R3.6VB (11'10'')</td>
<td>3580</td>
<td>7,900</td>
</tr>
<tr>
<td>R2.84VB (9'4'')</td>
<td>3370</td>
<td>7,400</td>
</tr>
<tr>
<td>M3.0WB (9'10'')</td>
<td>4230</td>
<td>9,300</td>
</tr>
<tr>
<td>M2.57WB (8'5'')</td>
<td>4050</td>
<td>8,900</td>
</tr>
<tr>
<td>Track roller frame [includes frame, rollers, idlers, steps, guards, final drive, 900 mm (36&quot;) shoes] – each</td>
<td>10 810</td>
<td>23,800</td>
</tr>
</tbody>
</table>
## 365C L Bucket Specifications and Compatibility

<table>
<thead>
<tr>
<th>VB Buckets</th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><strong>Capacity</strong></td>
<td><strong>Width</strong></td>
<td><strong>Tip Radius</strong></td>
<td><strong>Weight</strong></td>
<td><strong>Teeth</strong></td>
<td><strong>Reach Boom</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>m³</td>
<td>yd³</td>
<td>mm</td>
<td>in</td>
<td>kg</td>
<td>lb</td>
<td>Qty</td>
<td>R4.67VB</td>
</tr>
<tr>
<td>Excavation</td>
<td>2.5</td>
<td>3.31</td>
<td>1500</td>
<td>59</td>
<td>2120</td>
<td>83.5</td>
<td>2676</td>
<td>5,900</td>
</tr>
<tr>
<td></td>
<td>2.7</td>
<td>3.58</td>
<td>1600</td>
<td>63</td>
<td>2120</td>
<td>83.5</td>
<td>3020</td>
<td>6,650</td>
</tr>
<tr>
<td></td>
<td>3.0</td>
<td>3.98</td>
<td>1700</td>
<td>67</td>
<td>2120</td>
<td>83.5</td>
<td>3364</td>
<td>7,400</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>WB Buckets</th>
<th><strong>Capacity</strong></th>
<th><strong>Width</strong></th>
<th><strong>Tip Radius</strong></th>
<th><strong>Weight</strong></th>
<th><strong>Teeth</strong></th>
<th><strong>Mass Boom</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>m³</td>
<td>yd³</td>
<td>mm</td>
<td>in</td>
<td>kg</td>
<td>lb</td>
</tr>
<tr>
<td>Excavation</td>
<td>2.7</td>
<td>3.52</td>
<td>1500</td>
<td>59</td>
<td>2210</td>
<td>87.0</td>
</tr>
<tr>
<td></td>
<td>3.6</td>
<td>4.70</td>
<td>1850</td>
<td>73</td>
<td>2210</td>
<td>87.0</td>
</tr>
<tr>
<td></td>
<td>4.2</td>
<td>5.48</td>
<td>2140</td>
<td>84</td>
<td>2210</td>
<td>87.0</td>
</tr>
<tr>
<td>Rock-V-Edge</td>
<td>3.6</td>
<td>4.70</td>
<td>1850</td>
<td>73</td>
<td>2350</td>
<td>92.5</td>
</tr>
<tr>
<td></td>
<td>4.0</td>
<td>5.22</td>
<td>2000</td>
<td>79</td>
<td>2350</td>
<td>92.5</td>
</tr>
</tbody>
</table>

Assumptions for maximum material density rating
1. Front linkage fully extended at ground line
2. Bucket curled
3. 100% bucket fill factor

* Capacities based on SAE J296. Some calculations of capacity fall on borderlines. Rounding may allow two buckets to have the same English rating but different metric ratings.
## Reach Boom Lift Capacities

### STICK – 4670 mm (15’4")

<table>
<thead>
<tr>
<th>Load Point Height (m)</th>
<th>3.0 m/10.0 ft</th>
<th>4.5 m/15.0 ft</th>
<th>6.0 m/20.0 ft</th>
<th>7.5 m/25.0 ft</th>
<th>9.0 m/30.0 ft</th>
<th>10.5 m/35.0 ft</th>
<th>12.0 m/40.0 ft</th>
</tr>
</thead>
<tbody>
<tr>
<td>10.5 m</td>
<td>30.0 kg</td>
<td>660 lb</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>9.0 m</td>
<td>29.0 kg</td>
<td>630 lb</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7.5 m</td>
<td>26.0 kg</td>
<td>570 lb</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6.0 m</td>
<td>20.0 kg</td>
<td>440 lb</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4.5 m</td>
<td>10.0 kg</td>
<td>220 lb</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3.0 m</td>
<td>6.0 kg</td>
<td>130 lb</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### STICK – 4150 mm (13’7")

<table>
<thead>
<tr>
<th>Load Point Height (m)</th>
<th>3.0 m/10.0 ft</th>
<th>4.5 m/15.0 ft</th>
<th>6.0 m/20.0 ft</th>
<th>7.5 m/25.0 ft</th>
<th>9.0 m/30.0 ft</th>
<th>10.5 m/35.0 ft</th>
<th>12.0 m/40.0 ft</th>
</tr>
</thead>
<tbody>
<tr>
<td>10.5 m</td>
<td>30.0 kg</td>
<td>660 lb</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>9.0 m</td>
<td>29.0 kg</td>
<td>630 lb</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7.5 m</td>
<td>26.0 kg</td>
<td>570 lb</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6.0 m</td>
<td>20.0 kg</td>
<td>440 lb</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4.5 m</td>
<td>10.0 kg</td>
<td>220 lb</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3.0 m</td>
<td>6.0 kg</td>
<td>130 lb</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

* Limited to hydraulic capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity rating standard SAE J/ISO 10567. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping capacity. Weight of all lifting accessories must be deducted from the above lifting capacities.
### Reach Boom Lift Capacities

<table>
<thead>
<tr>
<th>Load Point Height</th>
<th>Load at Maximum Reach</th>
<th>Load Radius Over Front</th>
<th>Load Radius Over Side</th>
</tr>
</thead>
<tbody>
<tr>
<td>3.0 m / 10.0 ft</td>
<td>4.5 m / 15.0 ft</td>
<td>6.0 m / 20.0 ft</td>
<td>7.5 m / 25.0 ft</td>
</tr>
<tr>
<td>10.5 m 35.0 ft</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>9.0 m 30.0 ft</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7.5 m 25.0 ft</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6.0 m 20.0 ft</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4.5 m 15.0 ft</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3.0 m 10.0 ft</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1.5 m 5.0 ft</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### BOOM – 7.8 m (25’7”)

#### STICK – 3600 mm (11’10”)

<table>
<thead>
<tr>
<th>Bucket Shoes</th>
<th>900 mm (36”) double grouser</th>
</tr>
</thead>
<tbody>
<tr>
<td>3.0 m / 10.0 ft</td>
<td>4.5 m / 15.0 ft</td>
</tr>
<tr>
<td>105.30</td>
<td>114.50</td>
</tr>
<tr>
<td>91.90</td>
<td>133.70</td>
</tr>
<tr>
<td>61.90</td>
<td>133.70</td>
</tr>
<tr>
<td>12.12</td>
<td>10.50</td>
</tr>
<tr>
<td>7.49</td>
<td>10.50</td>
</tr>
<tr>
<td>12.87</td>
<td>13.15</td>
</tr>
</tbody>
</table>

* Limited to hydraulic capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity rating standard SAE J1056. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping capacity. Weight of all lifting accessories must be deducted from the above lifting capacities.

---

### Reach Boom Lift Capacities

<table>
<thead>
<tr>
<th>Load Point Height</th>
<th>Load at Maximum Reach</th>
<th>Load Radius Over Front</th>
<th>Load Radius Over Side</th>
</tr>
</thead>
<tbody>
<tr>
<td>3.0 m / 10.0 ft</td>
<td>4.5 m / 15.0 ft</td>
<td>6.0 m / 20.0 ft</td>
<td>7.5 m / 25.0 ft</td>
</tr>
<tr>
<td>10.5 m 35.0 ft</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>9.0 m 30.0 ft</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7.5 m 25.0 ft</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6.0 m 20.0 ft</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4.5 m 15.0 ft</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3.0 m 10.0 ft</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1.5 m 5.0 ft</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### BOOM – 7.8 m (25’7”)

#### STICK – 3600 mm (11’10”)

<table>
<thead>
<tr>
<th>Bucket Shoes</th>
<th>900 mm (36”) double grouser</th>
</tr>
</thead>
<tbody>
<tr>
<td>3.0 m / 10.0 ft</td>
<td>4.5 m / 15.0 ft</td>
</tr>
<tr>
<td>105.30</td>
<td>114.50</td>
</tr>
<tr>
<td>91.90</td>
<td>133.70</td>
</tr>
<tr>
<td>61.90</td>
<td>133.70</td>
</tr>
<tr>
<td>12.12</td>
<td>10.50</td>
</tr>
<tr>
<td>7.49</td>
<td>10.50</td>
</tr>
<tr>
<td>12.87</td>
<td>13.15</td>
</tr>
</tbody>
</table>

* Limited to hydraulic capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity rating standard SAE J1056. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping capacity. Weight of all lifting accessories must be deducted from the above lifting capacities.
Mass Boom Lift Capacities

* Limited to hydraulic capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity rating standard SAE J/ISO 10567. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping capacity. Weight of all lifting accessories must be deducted from the above lifting capacities.

**BOOM – 6.59 m (21’7”)**
**STICK – 3000 mm (9’10”)**
**BUCKET – 2200 mm (87”)** Excavation with HD long tips
**SHOES – 900 mm (36”)** double grouser
**UNDERCARRIAGE – Long HEAVY LIFT – On**

<table>
<thead>
<tr>
<th>3.0 m/10.0 ft</th>
<th>4.5 m/15.0 ft</th>
<th>6.0 m/20.0 ft</th>
<th>7.5 m/25.0 ft</th>
<th>9.0 m/30.0 ft</th>
</tr>
</thead>
<tbody>
<tr>
<td>kg</td>
<td>lb</td>
<td>kg</td>
<td>lb</td>
<td>kg</td>
</tr>
<tr>
<td>9.0 m 30.0 ft</td>
<td>4200</td>
<td>9.38</td>
<td>8100</td>
<td>18.18</td>
</tr>
<tr>
<td>7.5 m 25.0 ft</td>
<td>3980</td>
<td>10.34</td>
<td>7800</td>
<td>17.04</td>
</tr>
<tr>
<td>6.0 m 20.0 ft</td>
<td>3880</td>
<td>10.94</td>
<td>7500</td>
<td>15.90</td>
</tr>
<tr>
<td>4.5 m 15.0 ft</td>
<td>3650</td>
<td>13.73</td>
<td>6250</td>
<td>13.73</td>
</tr>
<tr>
<td>3.0 m 10.0 ft</td>
<td>3500</td>
<td>17.60</td>
<td>5000</td>
<td>17.60</td>
</tr>
<tr>
<td>1.5 m 5.0 ft</td>
<td>3150</td>
<td>21.47</td>
<td>4500</td>
<td>21.47</td>
</tr>
<tr>
<td>Ground</td>
<td>3100</td>
<td>25.34</td>
<td>4000</td>
<td>25.34</td>
</tr>
<tr>
<td>Line</td>
<td>2650</td>
<td>29.21</td>
<td>3500</td>
<td>29.21</td>
</tr>
</tbody>
</table>

**BOOM – 6.59 m (21’7”)**
**STICK – 2570 mm (8’5”)**
**BUCKET – 2200 mm (87”)** Excavation with HD long tips
**SHOES – 900 mm (36”)** double grouser
**UNDERCARRIAGE – Long HEAVY LIFT – On**

<table>
<thead>
<tr>
<th>3.0 m/10.0 ft</th>
<th>4.5 m/15.0 ft</th>
<th>6.0 m/20.0 ft</th>
<th>7.5 m/25.0 ft</th>
<th>9.0 m/30.0 ft</th>
</tr>
</thead>
<tbody>
<tr>
<td>kg</td>
<td>lb</td>
<td>kg</td>
<td>lb</td>
<td>kg</td>
</tr>
<tr>
<td>9.0 m 30.0 ft</td>
<td>5150</td>
<td>9.88</td>
<td>11,450</td>
<td>28.72</td>
</tr>
<tr>
<td>7.5 m 25.0 ft</td>
<td>4900</td>
<td>11.61</td>
<td>11,400</td>
<td>28.57</td>
</tr>
<tr>
<td>6.0 m 20.0 ft</td>
<td>4750</td>
<td>13.34</td>
<td>11,250</td>
<td>28.42</td>
</tr>
<tr>
<td>4.5 m 15.0 ft</td>
<td>4500</td>
<td>15.06</td>
<td>11,000</td>
<td>28.27</td>
</tr>
<tr>
<td>3.0 m 10.0 ft</td>
<td>4250</td>
<td>16.78</td>
<td>10,850</td>
<td>28.12</td>
</tr>
<tr>
<td>1.5 m 5.0 ft</td>
<td>4000</td>
<td>18.50</td>
<td>10,700</td>
<td>27.96</td>
</tr>
<tr>
<td>Ground</td>
<td>3850</td>
<td>20.22</td>
<td>9,550</td>
<td>27.81</td>
</tr>
<tr>
<td>Line</td>
<td>3700</td>
<td>21.83</td>
<td>9,400</td>
<td>27.66</td>
</tr>
</tbody>
</table>

* Limited to hydraulic capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity rating standard SAE J/ISO 10567. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping capacity. Weight of all lifting accessories must be deducted from the above lifting capacities.
Standard Equipment

Standard equipment may vary. Consult your Caterpillar dealer for details.

Electrical
- Alternator – 75 ampere
- Lights
  - Cab interior
  - Signal/warning horn

Engine/Power Train
- Automatic engine speed control
- Automatic swing parking brake
- Automatic travel parking brakes
- Caterpillar C15 ATAAC with ACERT technology
  - Altitude capability to 2300 m (7,500 ft) without derating
  - EU Stage II emission compliant
- High ambient cooling, 52°C (126°F) capability
- Side-by-side cooling system with separately mounted
  - AC condenser and variable speed fan
- Two speed travel
- Water separator, with level indicator, for fuel line

Guards
- Heavy duty bottom guards on upper frame
- Heavy duty swivel guard on undercarriage
- Heavy duty travel motor guards on undercarriage

Operator Station
- Air conditioner, heater and defroster with automatic
  - climate control
- Ashtray and 24 volt lighter
- Beverage/cup holder
- Cab glass/glazing
  - Openable and retractable two-piece front windshield
  - Stationary skylight (polycarbonate)
- Coat hook
- Console mounted electronic type joysticks with adjustable
  - gain and response
- Floor mat
- Instrument panel and gauges with full color graphical display
- Literature compartment
- Lunch box storage with lid
- Neutral lever (lock out) for all controls
- Positive filtered ventilation
- Pressurized cab
- Retractable seat belt 51 mm (2 in) width
- Sunshade for windshield and skylight
- Travel control pedals with removable hand levers
- Windshield wipers and washers (upper and lower)

Undercarriage
- Double grouser 750 mm (30 in)
- Grease lubricated track
- Hydraulic track adjusters
- Idler and center section track guards
- Long, variable gauge
- Steps – four

Other Standard Equipment
- Auxiliary hydraulic valve for hydro-mechanical tools
- Caterpillar one key security system with locks for doors, cab and fuel cap
- Cat walks – left side and right side
- Cross-roller type swing bearing
- Drive for auxiliary pump
- Hand control pattern changer
- Heavy lift mode
- Mirrors – left and right
- S-O-S® quick sampling valves for engine oil and hydraulic oil
- Steel firewall between engine and hydraulic pumps
- Travel alarm with cut off switch
- Wiring provisions for Product Link, Auto-lube System and lighted beacon
Optional Equipment

Optional equipment may vary. Consult your Caterpillar dealer for details.

Front Linkage
Booms
- Mass excavation 6.59 m (21 ft 7 in) with two working lights
- Reach 7.8 m (25 ft 7 in) with two working lights
Sticks
- M 2.57WB (8 ft 5 in) for mass boom
- M 3.0WB (9 ft 10 in) for mass boom
- R2.84VB (9 ft 4 in) for reach boom
- R3.6VB (11 ft 10 in) for reach boom
- R4.15VB (13 ft 7 in) for reach boom
- R4.67VB (15 ft 4 in) for reach boom
Bucket Linkages
- VB-family for VB sticks (available with or without lifting eye)
- WB-family for WB sticks (available with or without lifting eye)
Bucket Linkages
- FMG (Falling Object Guard System) including overhead and windshield guards
- Track guiding guards – full length
- Vandal guards for windshield
- Wire mesh screen for windshield

Auxiliary Controls and Lines
Basic control arrangements
- Combined function for 1-way or 2-way high pressure circuits includes joysticks and modulation switch
- Medium pressure circuit
Auxiliary boom lines
- High pressure for reach and mass booms
Auxiliary stick lines
- High pressure lines for reach and mass sticks

Miscellaneous Options
Adjustable high-back heated seat with air suspension
Adjustable high-back seat with air suspension
AM/FM radio with antenna and two speakers
Auto lubricator
Boom lowering control device
Counterweight removal system
Machine security system with programmable keys
Starting aid for cold weather with ether
Stick lowering control device
Straight travel pedal

Track
- Double grouser 650 mm (26 in)
- Double grouser 750 mm (30 in)
- Double grouser 900 mm (36 in)

Guards
- FOGS (Falling Object Guard System) including overhead and windshield guards
- Track guiding guards – full length
- Vandal guards for windshield
- Wire mesh screen for windshield