

365C L

Hydraulic Excavator



Cat® C15 Engine with ACERT™ Technology

Net Power (ISO 9249) at 1800 rpm	302 kW/411 hp
Operating Weight	67 600-71 600 kg
Maximum Travel Speed	4.1 km/h
Maximum Drawbar Pull	462 kN

365C L Hydraulic Excavator

High performance and rugged durability combine to maximize your productivity.

Engine

The Cat® C15 engine is a proven high volume engine providing exceptional performance and reliability. Highly acclaimed ACERT Technology is applied to meet emission regulations while still providing excellent fuel efficiency. **pg. 4**

Environmentally Responsible Design

Quieter operation, lower engine emissions, less fluid disposal and cleaner service can help you meet or exceed worldwide regulations and protect the environment. **pg. 4**

SmartBoom™

More productive. Faster cycle times for truck loading and rock scraping. Maintains optimum hammering frequency for effective, steady productivity. **pg. 9**

Application and System Match

The 365C L is designed for tough applications. It is optimally matched to load the Cat 740 Articulated Truck and the 769D/770 and 771D/772 trucks. **pg. 5**

Hydraulics

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

Electronic Control System

ADEM™ A4 maximizes fuel efficiency and performance by maintaining the optimum balance between engine speed and hydraulic demand. **pg. 7**

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**

High level of sustained production, mass excavation and truck loading performance, improved reliability and durability increase your productivity and lower your operating costs.



Booms, Sticks and Linkage

Caterpillar excavator booms and sticks are built for performance and long service life. Three types of booms and seven sticks are available, offering a range of configurations suitable for a wide variety of applications. All booms and sticks are stress relieved.
pg. 11

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. 8**

Extreme Service

Undercarriage attachment includes next size larger components for increased stability and extra rugged reliability in severe applications. **pg. 8**

Structures

Caterpillar design and manufacturing techniques assure outstanding durability and service life from these important components and using thicker plates at the boom foot area to improve rigidity. **pg. 9**

Buckets, Quick Coupler, Work Tools

A variety of work tools, including buckets, couplers, hammers, crushers, pulverizers, multiprocessors, shears and grapples are available through Cat Work Tools. **pg. 12**

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. 10**

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 and attachment selection to replacement. **pg. 10**



Engine

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



Diesel Engine. The Caterpillar C15, with ACERT™ Technology, is a 15.2 liter, six-cylinder, 302 kW engine with mechanically actuated electronic fuel injection (MEUI), overhead camshaft and 4 valve crossflow cylinder head. ACERT™ technology provides outstanding engine performance through advanced electronic control, precision fuel delivery, and refined air management.

Fuel Consumption. ADEM A4 controller monitors more than one hundred engine variables to manage engine load and optimize performance and fuel efficiency. The Caterpillar designed ADEM A4 controller is the muscle behind engine responsiveness, self-diagnostics, emission control, and fuel efficiency.

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

Cooling System. High capacity, side-by-side cooling system allows operation in ambient temperatures up to 48°C. The Electric Power Control (EPC) controls the fan speed based on coolant temperature and hydraulic oil temperature for optimized cooling. Fan usage is based on system demand to optimize fuel economy.

Turbocharger. The C15 engine uses a water-cooled, center-section waste gated turbocharger for improved performance. Waste gate turbochargers provide quick response while wasting to exhaust excess boost pressure

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. It is the interaction and preciseness of these three systems that differentiates ACERT Technology from other emission technologies.

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 excavator has the capability to start at -32°C.

Environmentally Responsible Design

Caterpillar machines not only help you build a better world, they help maintain and preserve the fragile environment.

Outstanding performance.

Many features designed to provide outstanding performance which can mean more work done in a day, less fuel consumption and minimal impact on our environment.

Low exhaust emissions. The Cat C15 diesel engine utilizes unique ACERT technology to meet exhaust emissions regulations while assuring optimum fuel efficiency.

Quiet operation. The hydraulically driven cooling fan is thermostatically controlled, so the fan only runs at the speed necessary to maintain correct system operating temperatures. The result is cool quiet operation with less disturbance to the surrounding environment.

Ozone protection. To help preserve the earth's ozone layer, the air conditioning unit uses only R-134a refrigerant which does not contain harmful chlorofluorocarbons (CFC's).

Fewer leaks and spills. Engine oil and encapsulated hydraulic oil filters are positioned vertically and are easy to reach to minimize spillage. Service intervals are extended to reduce the times fluids are changed and handled. The new hydraulic oil fine filtration system attachment extends the service interval from 2000 to 5000 hours. Compatible with Cat HEES hydraulic bio-oil for ecologically sensitive applications. Finally, the new Cat Extended Life Coolant extends service (up to 6000 h) so there is less need for fluid disposal.

Applications and Systems Match

The 365C L is designed for tough applications and for matched performance with Cat trucks.



Built for tough applications.

With an operating weight of 67 to 72 metric tons, the 365C L fits exactly into the Caterpillar model line-up between the 345C L and the 385C. The 365C L is the right tool for the job whether truck loading, heavy construction, quarry and mining, as well as demolition and material handling.

Optimum pass match design. Five to six passes under two minutes, matched to the Cat 740, or the rigid frame Cat 769D/770D or the 771D/772D Quarry Truck, helps to give you maximum systems production at the lowest cost per ton of material moved.

Maximum availability. New standards for durability and reliability help ensure that your loading system has more uptime, operates efficiently and provides lasting value and high resale.

Versatility and flexibility.

Three booms (two for mass excavation and one for reach) and seven sticks provide flexibility for a wide range of job conditions in a variety of applications. Systems matching with configuration offers versatility in job set-up whether top loading or same level truck loading.

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.

Heavy Lift Feature. The heavy lift feature is standard and allows lifting of heavy objects with precision.

Biodegradable Hydraulic Oil. Biodegradable hydraulic oil is available as an option.

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

Auxiliary Hydraulic Valve. The auxiliary valve is standard. It 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 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.

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

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. 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. Choice of fixed or easy-to-open split front windshield meet operator preference and application conditions.

- 50/50 split front windshield allows both upper and lower portions to be stored in an overhead position.
- 70/30 split front windshield stores the upper portion above the operator. The lower front windshield features a rounded design to maximize downward visibility and improves wiper coverage.
- Both openable versions feature a one-touch action release system.
- The fixed front windshield is available in standard duty laminated glass or high impact resistant laminated glass.

Wipers. Parallelogram wiper, including a washer nozzle is mounted below the cab windshield, optimizes the operator's viewing area and offers continuous and intermittent modes.

Monitor. The compact, full-color, graphical display monitor is new. 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.

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.

Electronic Control System

Manages the engine and hydraulics for maximum performance.



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.

Standard Cab Equipment. To enhance operator comfort and productivity, the cab includes a lighter, drink holder, coat hook, service meter, literature holder, magazine rack and storage compartment. The cab can be equipped with optional 12 volt converter and up to two 12V-7 amp electrical sockets to provide additional electrical resources.

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

Product Link. “Product Link Ready” from the factory.

Monitor Display Screen. The monitor is a full color 400x234 pixels Liquid Crystal Display (LCD) graphic display.

The Master Caution 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 the 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



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

- Eliminate pilot lines in cab for quieter operation
- Adjustable gain/response

Undercarriage

Durable undercarriage absorbs stresses and provides excellent stability.



Undercarriage Components.

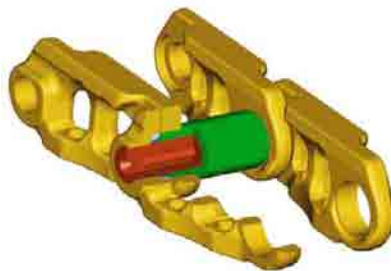
Large, Caterpillar designed and built undercarriage components offer heavy-duty performance and durability.

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. 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 and extend service life lowering operating costs.

Travel Motor. Two-speed axial piston hydraulic motors provide the 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.

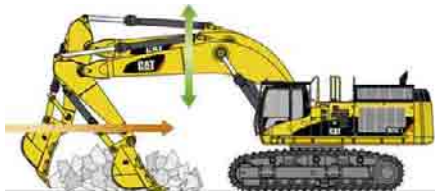
Final Drives. The final drives are the three-stage reduction planetary type. This design results in a complete drive/brake unit that is compact and delivers excellent performance and reliability.

Extreme Service Undercarriage.

Attachment includes next size larger track roller frame and moving undercarriage components for increased stability and extra rugged reliability in hard-rock and severe impact conditions.

SmartBoom

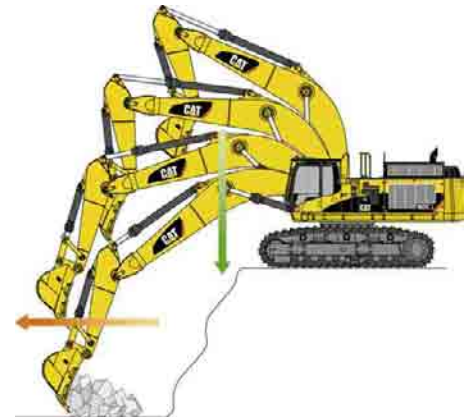
Reduces stress and vibrations transmitted to the machine.



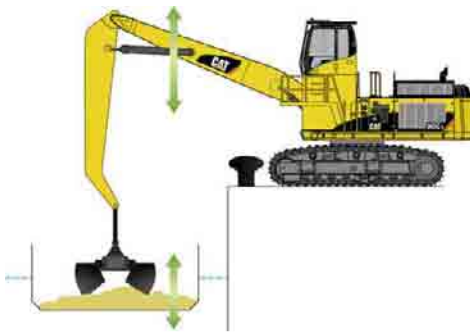
Rock Scraping. Scraping rock and finishing work is easy and fast. SmartBoom simplifies the task and allows the operator to fully concentrate on stick and bucket, while boom freely goes up and down without using pump flow.



Hammer Work. It has never been this productive and operator-friendly. The front parts automatically follow the hammer while penetrating the rock. Blank shots or excessive force on the hammer are avoided resulting in longer life for the hammer and the machine. Similar advantages are applicable when using vibratory plates.



Truck Loading. Loading trucks from a bench is more productive and more fuel efficient as the return cycle is reduced while the boom down function does not require pump flow.



Material Handling. It is more efficient and productive due to faster return cycles. Unloading barges is easier because SmartBoom avoids excessive force being put on the floor of the barge allowing the operator to fully concentrate on production.

Structures

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. 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.
- 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.

Track Roller Frames. The track roller frame is made of 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.

Service and Maintenance

Fast, easy service has been designed in with extended service intervals, advanced filtration, convenient filter access and user-friendly electronic diagnostics.



Service Intervals. Service intervals are extended to reduce maintenance costs. Engine oil, oil filter and fuel filters 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 pre-cleaner 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.

Complete Customer Support

Cat dealer services help you operate longer with lower costs.



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. 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.

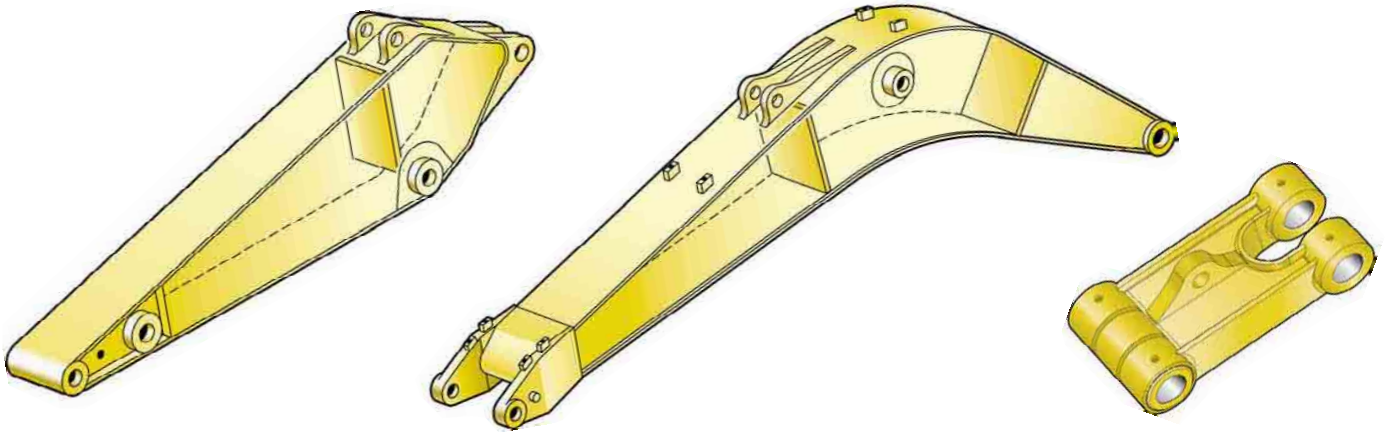
Product Support. You will find nearly all parts at our dealer parts counter. Cat dealers utilize a worldwide computer network to find in-stock parts to minimize machine downtime. You can save money with Cat remanufactured components.

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.

Booms, Sticks and Linkage

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. Three types of booms and six sticks are available, offering a range of configurations suitable for a wide variety of applications and offer a large combination of reach and digging forces for optimum versatility. All booms and sticks undergo a stress relieving process for greater durability.

Boom Construction. The 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.

Mass Excavation Boom. Two mass booms are available for optimum truck matching. The 6.59 m mass boom provides maximum bucket capacity and production per hour. The 7.0 m mass boom adds more reach for rear loading high capacity articulated trucks. Both mass booms can be equipped with choice of two mass sticks.

Reach Boom. The 7.8 m 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.

Stick Construction. 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.

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.

- **M3.0WB.** The 3000 mm stick provides excellent digging envelope with large bucket capacity and high force levels.
- **M2.6WB.** The 2570 mm stick is intended for mass excavation applications with very large buckets with high force requirements.

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.

- **R4.7VB.** The 4670 mm stick gives the largest working envelope and is best suited to narrower buckets.
- **R4.2VB.** The 4150 mm stick is ideal for deep trenching and sloping, while providing superior lifting capacity compared to the 4670 mm stick.
- **R3.6VB.** The 3600 mm stick offers the most versatility and is suited to all types of applications and bucket capacities.
- **R2.8VB.** The 2840 mm stick has a good digging envelope and handles large bucket sizes.
- **R2.6WB.** The 2570 mm stick is the best compromise between mass and reach configurations. It provides a good digging envelope and can handle heavy duty rock bucket.

Bucket Linkage. Two bucket linkages are available, with or without a lifting eye on the power link.

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

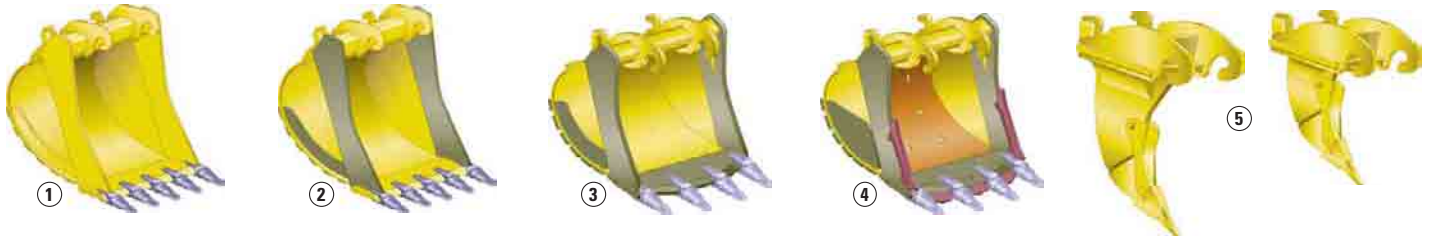
Power Link. The new power link improves durability, increases machine-lifting capability in key lifting positions, and is easier to use compared to the previous lift bar design. The power link can be equipped with or without the lifting eye.

Linkage Pins. All pins used in 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.

Buckets, Teeth and Work Tools

A wide variety of buckets help optimize machine performance.

Purpose designed and built to Caterpillar's high durability standards.



New Caterpillar K Series™ Tooth System



1 Excavation (X). Digs and loads soft to medium materials such as clay and earth. Features weld on tip adapters, hardened cutting edge and side bars.

2 Extreme Excavation (EX). Digs and loads compact/abrasive materials like earth/rock, sand/clay, sand/gravel, coal, chalk and low abrasion ores. Features bigger ground engaging tools, plus abrasion resistant steel for all wear parts.

3 Rock (R). Digs and loads mixed earth/rock soils containing high percentage of rock or other abrasive materials. Features V-spade cutting edge, thicker base and wear surfaces.

4 Heavy Duty Rock (HDR). For aggressive bucket digging and loading in highly abrasive applications such as granite and basalt. Features V-spade cutting edge and extreme wear package.

Differences from rock buckets:

- Highest durability due to extreme wear package;
- Side wear plates are thicker and extend further up to the bucket;
- Inside wear package (liner) made of high strength, 400 Brinell, abrasion resistant steel;
- Standard equipped with sidebar protectors and edge segments to extend bucket lifetime.

Other buckets and teeth are available from Caterpillar for use in quarry, high abrasion, and special applications. Ask your dealer representative to recommend the optimum solution for your material and operation.

5 Ripper. The Caterpillar TR-series rippers are available for use with CW-series quick couplers, or to attach directly to the stick and linkage. The ripper provides a powerful single point of penetration force to break out rock and other difficult to excavate material. In order to break into the toughest ripping applications a short ripper is available. Usage with the quick coupler and a compatible rock bucket facilitates the "Rip & Load" technique to supplement or replace blasting to prepare rock material prior to truck loading.

Quick Couplers. Caterpillar quick couplers enable the operator to simply release one work tool and pick up another. Your hydraulic excavator becomes highly versatile. The dedicated CW-Series quick coupler enables a quick tool exchange while maintaining top machine performance. A lifting hook is added for maximum lift capacity.

Variety of work tools. Choose from a variety of work tools such as hammers, crushers, pulverizers, shears, multiprocessors and grapples. Ask your Cat dealer for information on attachments or special configurations.

K Series Tip Selection.

The new Caterpillar K Series Tooth System holds tighter, changes easier and stays sharper.

- 10** General Duty
- 11** Extra Duty
- 12** Penetration
- 13** Penetration Plus
- 14** Heavy Penetration
- 15** Heavy Abrasion
- 16** Wide
- 17** Spike
- 18** Double Spike



Bucket Specifications

Without Quick Coupler	Linkage	Width	Weight*	Capacity (ISO)	Fill Factor	ME boom 6590 mm		ME boom 7000 mm		Reach boom 7800 mm				
		mm	kg	m ³	%	M2.6WB	M3.0WB	M2.6WB	M3.0WB	R2.6WB	R2.8VB	R3.6VB	R4.2VB	R4.7VB
Excavation (X)	VB	2000	3453	3.6	100	×	×	×	×	×				N
	WB	1900	3839	4.0	100						×	×	×	×
	WB	2100	4069	4.6	100						×	×	×	×
	WB	2300	4299	5.0	100						×	×	×	×
Extreme Excavation (EX)	VB	1500	2986	2.6	100	×	×	×	×	×				
	VB	1950	3542	3.6	100	×	×	×	×	×				N
	WB	1900	3939	4.0	100						×	×	×	×
	WB	2000	4059	4.2	100						×	×	×	×
	WB	2200	4297	4.8	100						×	×	×	×
Rock (R)	VB	1500	3240	2.6	90	×	×	×	×	×				
	VB	1750	3553	3.2	90	×	×	×	×	×				
	WB	1700	4244	3.6	90						×	×	×	×
	WB	1800	4384	3.8	90						×	×	×	×
	WB	1900	4524	4.0	90						×	×	×	×
	WB	2000	4666	4.4	90						×	×	×	×
	WB	2100	4808	4.6	90						×	×	×	×
	WB	2200	4948	4.8	90					N	×	×	×	×
Heavy Duty Rock (HDR)	WB	1900	5180	4.0	90					N	×	×	×	×
	WB	2000	5392	4.4	90					N	×	×	×	×
	WB	2100	5552	4.6	90					N	×	×	×	×
Maximum load in kg (payload plus bucket)						12 955	11 956	11 798	10 907	10 164	9965	9026	8262	7544
With Quick Coupler CW-70														
Rock (R)	VB	1500	3240	2.6	90	×	×	×	×	×				
	WB	1700	4244	3.6	90						×	×	×	×
	WB	1800	4382	3.8	90						×	×	×	×
	WB	1900	4522	4.0	90						×	×	×	×
	WB	2000	4664	4.4	90					N	×	×	×	×
Heavy Duty Rock (HDR)	WB	1900	5189	4.0	90					N	×	×	×	×
	WB	2000	5347	4.4	90				N	N	×	×	×	×
Maximum load in kg (payload plus bucket)						11 635	10 636	10 478	9587	8844	8737	7798	7034	6316

* Bucket weight including K series General Duty tip



Max. Material Density
1200 kg/m³



Max. Material Density
1500 kg/m³



Max. Material Density
1800 kg/m³

Work Tools Matching Guide

When choosing between various work tool models that can be installed onto the same machine configuration, consider work tool application, productivity requirements, and durability. Refer to work tool specifications for application recommendations and productivity information.

		Without Quick Coupler									With Quick Coupler CW-70									
		ME boom				Reach boom					ME boom				Reach boom					
		6590		7000		7800					6590		7000		7800					
		WB	WB	WB	WB	WB	VB	VB	VB	VB	VB	WB	WB	WB	WB	WB	VB	VB	VB	VB
Stick length (mm)		2570	3000	2570	3000	2570	2840	3600	4150	4670	2570	3000	2570	3000	2570	2840	3600	4150	4670	
Ripper	TR-70, TR-70 short								N	N									N	N
Multiprocessor	MP40	CC, CR								N		N		N					N	N
		PS, S								N		N		N					N	N
Crusher	VHC-60																		N	N
Pulverizer	VHP-60									N	N	N	N	N		N	N	N	N	N
Hydraulic Shear	S365B								N	N	N	N	N	N		N	N	N	N	N
Mechanical Grapple	G140																			
Hydraulic Hammer	H180 S										N	N	N	N		N	N	N	N	N



360° Working Range



Over the front



N Not recommended



X Not compatible

Engine

Caterpillar C15 ACERT Technology	
Net Power at 1800 rpm	
ISO 9249	302 kW/411 hp
EEC 80/1269	302 kW/411 hp
Bore	137 mm
Stroke	171 mm
Displacement	15.2 liters

- All engine horsepower (hp) are metric including front page.
- The C15 engine meets Stage IIIA 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 derating required below 2300 m altitude.

Brakes

Meets the standard ISO 10265:1998

Hydraulic System

Main System	
Maximum flow	2 x 400 l/min
Swing System	
Maximum flow	360 l/min
Maximum pressure	
Normal	320 bar
Heavy lift	350 bar
Travel	350 bar
Swing	280 bar
Pilot System	
Maximum flow	90 l/min
Maximum pressure	41 bar
Boom Cylinders	
Bore	190 mm
Stroke	1792 mm
Stick Cylinder	
Bore	200 mm
Stroke	2118 mm
VB Family Bucket Cylinder	
Bore	180 mm
Stroke	1443 mm
WB Family Bucket Cylinder	
Bore	200 mm
Stroke	1457 mm

Sound

Operator Sound

- The operator sound level measured according to the procedures specified in ISO 6394:1998 is 76 dB(A), for cab offered by Caterpillar, when properly installed and maintained and tested with the doors and windows closed.
- 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 noisy environment.

Exterior Sound

- The labeled spectator sound power level measured according to the test procedures and conditions specified in 2000/14/EC is 107 dB(A).

Cab/FOGS

Cab/FOGS meets ISO 10262.

Machine and Major Component Weights

Actual weights and ground pressures will depend on final machine configuration.

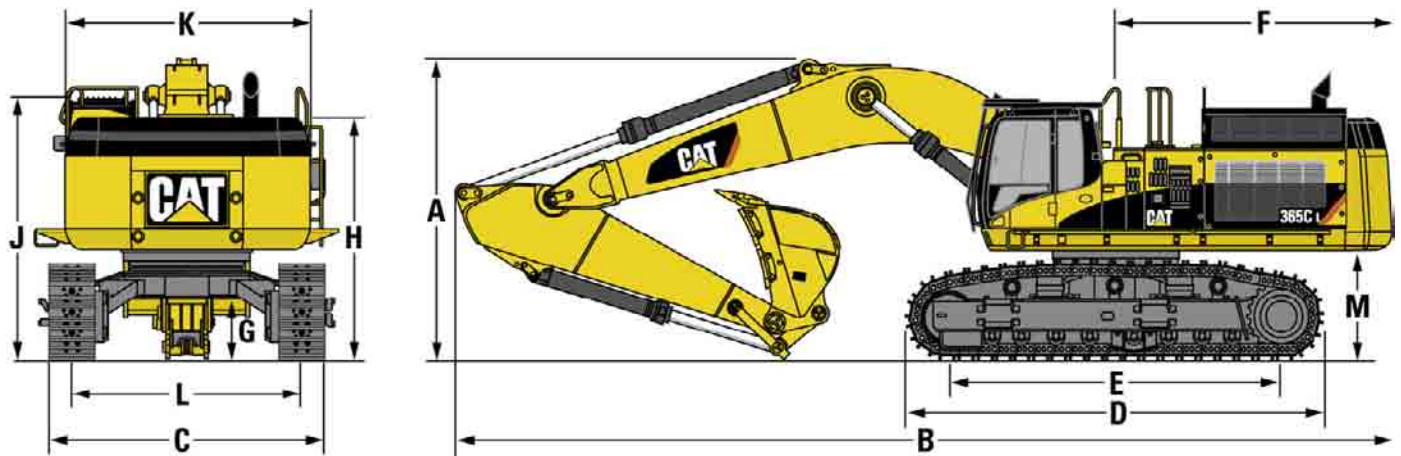
	ME boom 6590 mm		ME boom 7000 mm		Reach boom 7800 mm					
	M2.6WB	M3.0WB	M2.6WB	M3.0WB	R2.6WB	R2.8VB	R3.6VB	R4.2VB	R4.7VB	
Stick type										
Stick length	mm	2570	3000	2570	3000	2570	2840	3600	4150	4670
Bucket weight	kg	4666	4524	4524	4384	4410	3553	3542	2986	2986
Bucket capacity	m ³	4.4	4.0	4.0	3.8	3.8	3.2	3.6	2.6	2.6
Bucket width/type	mm	2000/R	1900/R	1900/R	1800/R	1800/R	1750/R	1950/EX	1500/EX	1500/EX
Operating weight*										
with 650 mm shoes	kg	69 670	69 740	69 790	69 870	69 230	67 800	67 990	67 650	67 810
with 750 mm shoes	kg	70 350	70 420	70 470	70 550	69 900	68 480	68 670	68 330	68 490
with 900 mm shoes	kg	71 400	71 470	71 520	71 600	70 950	69 530	69 720	69 380	69 540
Ground pressure	bar	0.92	0.92	0.92	0.92	1.04	0.89	0.90	0.89	0.90
Stick weight (with bucket cylinder)	kg	4050	4230	4050	4230	3770	3370	3580	3800	3980
Boom weight (with stick cylinder)	kg	6420		6720		6400				
Boom cylinders (pair)	kg	1335								
Upperstructure**	kg	17 380								
Undercarriage										
with 650 / 750 / 900 mm shoes	kg	26 290 / 26 970 / 28 020								
Counterweight	kg	10 090								

* With counterweight, operator and full fuel.

** Without counterweight.

Dimensions

All dimensions are approximate.



	mm
A Shipping height (with bucket)	
Mass Excavation boom 6590 mm	
2570 mm stick	4630
3000 mm stick	4725
Mass Excavation boom 7000 mm	
2570 mm stick	4634
3000 mm stick	4729
Reach boom 7800 mm	
2570 mm stick	4155
2840 mm stick	4173
3600 mm stick	4361
4150 mm stick	4590
4670 mm stick	4955

	mm
B Shipping length	
Mass Excavation boom 6590 mm	
2570 mm stick	12 199
3000 mm stick	12 160
Mass Excavation boom 7000 mm	
2570 mm stick	12 615
3000 mm stick	12 573
Reach boom 7800 mm	
2570 mm stick	13 337
2840 mm stick	13 307
3600 mm stick	13 318
4150 mm stick	13 316
4670 mm stick	13 238

	mm
C Track width retracted	
650 mm shoes	3400
750 mm shoes	3500
900 mm shoes	3650
D Track length	5860
E Length to centers of rollers	4705
F Tail swing radius	4015
G Ground clearance	840
H Body height	3250
J Cab height	3680
K Body width*	3450
L Track gauge	
extended	3250
retracted	2750
M Counterweight clearance	1540

* No mirrors or handrails

Drive

Maximum Travel Speed	4.1 km/h
Maximum Drawbar Pull	462 kN

Swing Mechanism

Swing Speed	6.5 rpm
Swing Torque	205 kNm

Track

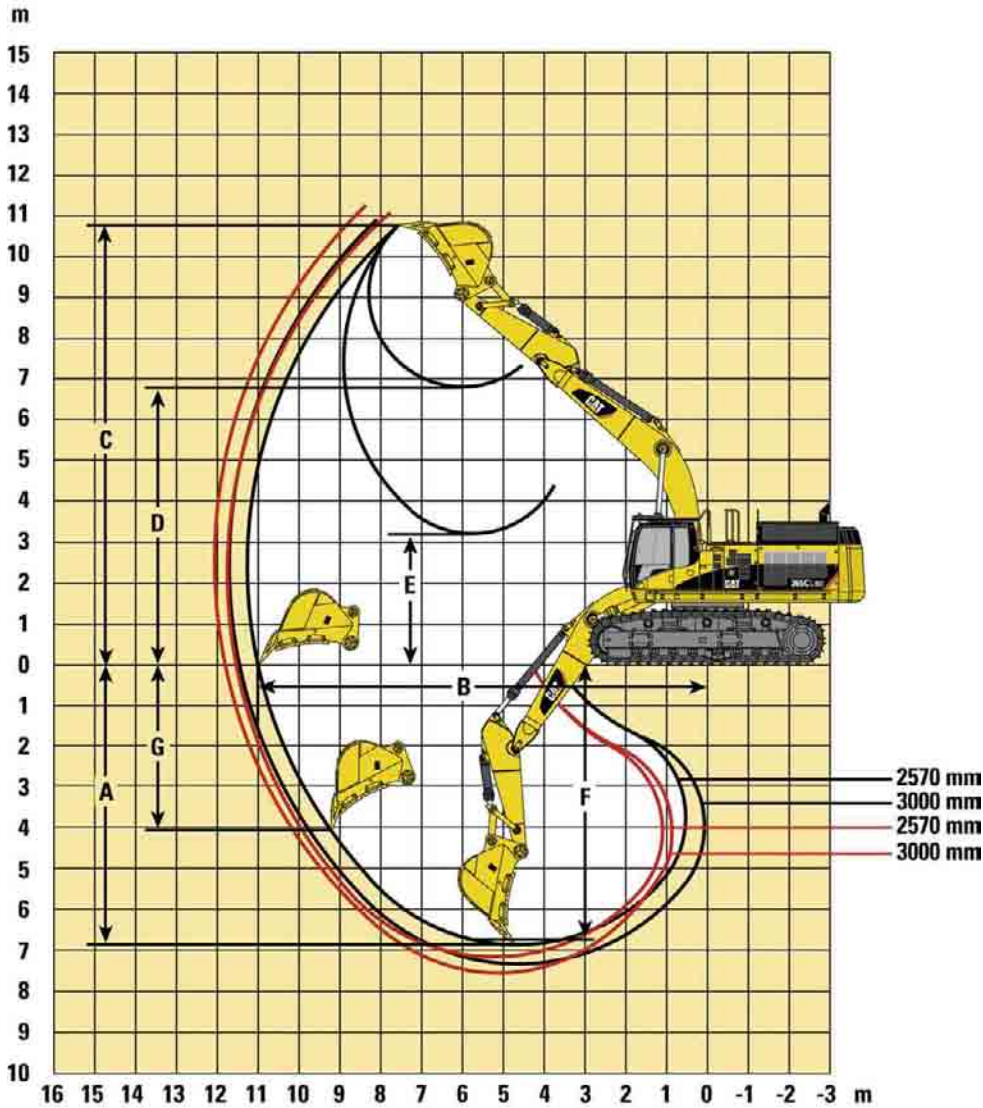
Track width with long undercarriage (double grouser)	
standard	750 mm
optional	650 mm
optional	900 mm
Number of shoes each side	47
Number of rollers each side	8
Number of carrier rollers each side	3

Service Refill Capacities

	Liters
Fuel Tank	800
Cooling System	95
Diesel Engine	54
Swing Drive (each)	12
Final Drive (each)	15
Hydraulic System (including tank)	670
Hydraulic Tank	310

Working Ranges – Mass Boom

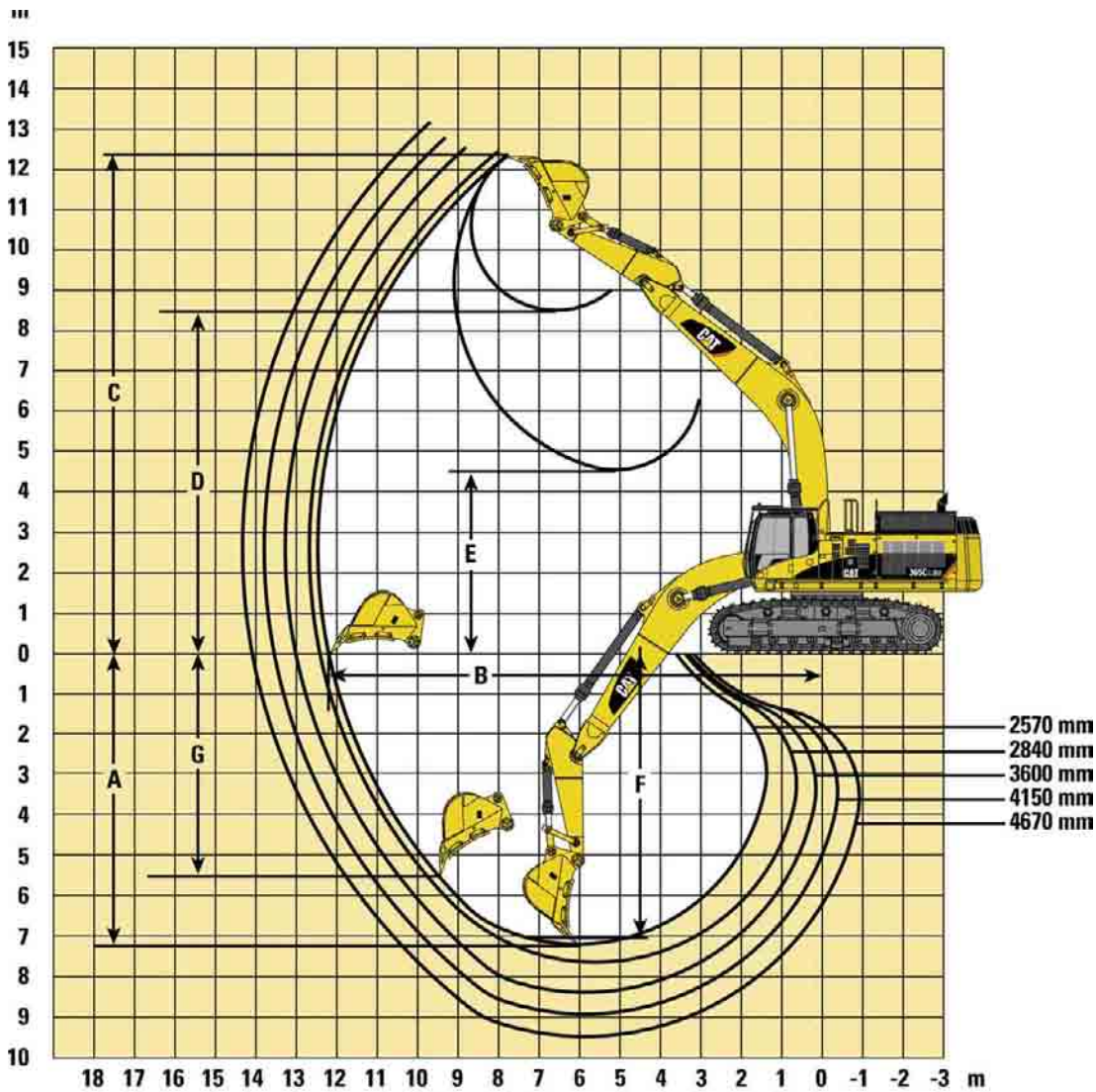
Mass Excavation (ME) boom configuration (6590 mm and 7000 mm)



	ME Boom 6590 mm		ME Boom 7000 mm		
	M2.6WB	M3.0WB	M2.6WB	M3.0WB	
Stick Type					
Stick Length	mm	2570	3000	2570	3000
A Maximum Digging Depth	mm	-6896	-7317	-7181	-7602
B Maximum Reach at Ground Level	mm	11 044	11 440	11 460	11 855
C Maximum Cutting Height	mm	10 732	11 899	11 075	11 242
D Maximum Loading Height	mm	6776	6942	7118	7285
E Minimum Loading Height	mm	3188	2767	3530	3110
F Maximum Digging Depth 2.5 m Level Bottom	mm	-6736	-7172	-7021	-7456
G Maximum Vertical Wall Digging Depth	mm	-4061	-4428	-4246	-4614
Bucket Capacity	m ³	4.4	4.0	4.0	3.8
Bucket radius at Cutting edge	mm	2015	2015	2015	2015
Bucket digging Force (ISO)	kN	332	321	332	321
Stick digging Force (ISO)	kN	309	289	309	288

Working Ranges – Reach Boom

Reach (R) boom configuration (7800 mm)



Stick Type		R2.6WB	R2.8VB	R3.6VB	R4.2VB	R4.7VB
Stick Length	mm	2570	2840	3600	4150	4670
A Maximum Digging Depth	mm	-7604	-7682	-8376	-8926	-9446
B Maximum Reach at Ground Level	mm	5962	12 439	13 008	13 525	14 071
C Maximum Cutting Height	mm	11 897	12 415	12 496	12 727	13 117
D Maximum Loading Height	mm	7912	8391	8620	8851	9207
E Minimum Loading Height	mm	4281	4212	3509	2959	2440
F Maximum Digging Depth 2.5 m Level Bottom	mm	-7445	-7524	-8238	-8798	-9330
G Maximum Vertical Wall Digging Depth	mm	-4564	-6209	-6375	-6882	-7577
Bucket Capacity	m ³	3.8	3.2	3.6	2.6	2.6
Bucket radius at Cutting edge	mm	2015	1903	1862	1862	1892
Bucket digging Force (ISO)	kN	338	295	284	271	264
Stick digging Force (ISO)	kN	311	287	265	243	229

Lift Capacities – Mass Boom (WB family) 6590 mm

All weights are in kg

Heavy lift – off

Short Stick

2570 mm

Shoes

















750 mm

Bucket Capacity

4.4 m³

Bucket Weight

4700 kg

	3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		10.5 m				m	
																
9.0 m														*4150	*4150	8.63
7.5 m							*11 660	*11 660						*3860	*3860	9.72
6.0 m					*14 690	*14 690	*12 420	*12 420						*3820	*3820	10.38
4.5 m			*23 700	23 700	*17 030	*17 030	*13 590	*13 590	*10 720	9520				*3970	*3970	10.72
3.0 m					*19 350	*19 350	*14 830	13 450	*12 070	9300				*4290	*4290	10.78
1.5 m			*20 240	*20 240	*20 860	18 810	*15 730	12 840	*12 400	9050				*4830	*4830	10.56
0 m			*26 750	*26 750	*21 190	18 180	*15 960	12 450	*12 070	8890				*5680	*5680	10.06
-1.5 m	*19 620	*19 620	*27 080	*27 080	*20 200	18 050	*15 120	12 350						*7050	*7050	9.21
-3.0 m	*29 840	*29 840	*23 270	*23 270	*17 510	*17 510	*12 170	*12 170								
-4.5 m			*16 520	*16 520	*11 290	*11 290										

Heavy lift – off

Medium Stick

3000 mm

Shoes

















750 mm

Bucket Capacity

4.0 m³

Bucket Weight

4550 kg

	3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		10.5 m				m	
																
9.0 m														*3330	*3330	9.14
7.5 m							*10 980	*10 980						*3080	*3080	10.15
6.0 m							*11 750	*11 750	*7280	*7280				*3040	*3040	10.78
4.5 m			*22 090	*22 090	*16 150	*16 150	*13 000	*13 000	*11 090	9730				*3170	*3170	11.11
3.0 m			*27 000	*27 000	*18 640	*18 640	*14 350	13 600	*11 750	9430				*3450	*3450	11.16
1.5 m			*24 610	*24 610	*20 450	19 000	*15 430	12 920	*12 250	9110				*3930	*3930	10.96
0 m			*27 420	*27 420	*21 140	18 220	*15 890	12 450	*12 260	8880				*4670	*4670	10.48
-1.5 m	*18 280	*18 280	*28 050	*28 050	*20 550	17 960	*15 410	12 260						*5860	*5860	9.68
-3.0 m	*29 850	*29 860	*24 750	*24 750	*18 400	18 140	*13 360	12 410								
-4.5 m	*24 760	*24 760	*18 910	*18 910	*13 620	*13 620										

Heavy lift – on

Short Stick

2570 mm

Shoes

















750 mm

Bucket Capacity

4.4 m³

Bucket Weight

4700 kg

	3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		10.5 m				m	
																
9.0 m														*4920	*4920	8.63
7.5 m							*13 180	*13 180						*4620	*4620	9.72
6.0 m					*16 770	*16 770	*14 330	*14 330						*4580	*4580	10.38
4.5 m			*26 820	*26 820	*19 440	*19 440	*15 660	14 110	*12 120	9520				*4740	*4740	10.72
3.0 m					*22 090	19 980	*17 070	13 450	*14 030	9300				*5100	*5100	10.78
1.5 m			*22 670	*22 670	*23 850	18 810	*18 120	12 840	*14 410	9050				*5690	*5690	10.56
0 m			*29 800	29 630	*24 250	18 180	*18 400	12 450	*14 070	8890				*6620	*6620	10.06
-1.5 m	*21 920	*21 920	*30 950	29 870	*23 180	18 050	*17 490	12 350						*8110	*8110	9.21
-3.0 m	*34 300	*34 300	*26 720	*26 720	*20 210	18 380	*14 230	12 650								
-4.5 m			*19 240	*19 240	*13 320	*13 320										

Heavy lift – on

Medium Stick

3000 mm

Shoes

















750 mm

Bucket Capacity

4.0 m³

Bucket Weight

4550 kg

	3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		10.5 m				m	
																
9.0 m														*4030	*4030	9.14
7.5 m							*12 720	*12 720						*3770	*3770	10.15
6.0 m							*13 580	*13 580	*8390	*8390				*3730	*3730	10.78
4.5 m			*24 990	*24 990	*18 450	*18 450	*15 000	14 320	*12 920	9730				*3870	*3870	11.11
3.0 m			*30 640	*30 640	*21 300	20 280	*16 540	13 600	*13 670	9430				*4180	*4180	11.16
1.5 m			*27 490	*27 490	*23 380	19 000	*17 780	12 920	*14 250	9110				*4710	*4710	10.96
0 m			*30 540	29 770	*24 200	18 220	*18 320	12 450	*14 280	8880				*5520	*5520	10.48
-1.5 m	*20 480	*20 480	*32 030	29 740	*23 570	17 960	*17 810	12 260						*6820	*6820	9.68
-3.0 m	*33 180	*33 180	*28 370	*28 370	*21 210	18 140	*15 560	12 410								
-4.5 m	*28 640	*28 640	*21 900	*21 900	*15 910	*15 910										



Load Point Height



Load Radius Over Front



Load Radius Over Side



Load at Maximum Reach

* Limited by hydraulic rather than tipping load.

The above loads are in compliance with hydraulic excavator lift capacity ratings standard ISO/DIS 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.

Lift Capacities – Mass Boom (WB family) 7000 mm

All weights are in kg

Heavy lift – off

Short Stick

2570 mm

Shoes

















750 mm

Bucket Capacity

4.0 m³

Bucket Weight

4550 kg

	3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		10.5 m				m	
																
9.0 m														*4170	*4170	9.17
7.5 m							*11360	*11360						*3950	*3950	10.18
6.0 m					*14790	*14790	*12210	*12210	*9620	*9620				*3940	*3940	10.81
4.5 m			*24550	*24550	*17150	*17150	*13440	*13440	*11210	9610				*4090	*4090	11.13
3.0 m					*19330	*19330	*14650	13270	*11820	9290				*4410	*4410	11.18
1.5 m					*20620	18290	*15500	12610	*12210	8970				*4930	*4930	10.98
0 m			*18970	*18970	*20750	17700	*15700	12190	*12100	8760				*5720	*5720	10.50
-1.5 m	*15700	*15700	*25870	*25870	*19740	17610	*15000	12070						*6960	*6960	9.70
-3.0 m	*27400	*27400	*22460	*22460	*17360	*17360	*12830	12290								
-4.5 m			*16800	*16800	*12610	*12610										

Heavy lift – off

Medium Stick

3000 mm

Shoes

















750 mm

Bucket Capacity

3.8 m³

Bucket Weight

4410 kg

	3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		10.5 m				m	
																
9.0 m							*8450	*8450						*3360	*3360	9.66
7.5 m							*10670	*10670						*3170	*3170	10.61
6.0 m							*11590	*11590	*10180	10020				*3150	*3150	11.20
4.5 m			*22960	*22960	*16320	*16320	*12880	*12880	*10800	9770				*3290	*3290	11.51
3.0 m					*18680	*18680	*14200	13410	*11500	9390				*3570	*3570	11.57
1.5 m					*20270	18490	*15210	12680	*12030	9010				*4020	*4020	11.37
0 m			*20020	*20020	*20750	17750	*15620	12190	*12140	8740				*4720	*4720	10.91
-1.5 m	*14980	*14980	*26990	*26990	*20080	17520	*15210	11980	*11440	8660				*5810	*5810	10.16
-3.0 m	*25460	*25460	*23910	*23910	*18140	17710	*13580	12090								
-4.5 m	*23900	*23900	*18860	*18860	*14230	*14230										

Heavy lift – on

Short Stick

2570 mm

Shoes

















750 mm

Bucket Capacity

4.0 m³

Bucket Weight

4550 kg

	3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		10.5 m				m	
																
9.0 m														*4940	*4940	9.17
7.5 m							*13140	*13140						*4710	*4710	10.18
6.0 m					*16890	*16890	*14100	*14100	*10930	9750				*4700	*4700	10.81
4.5 m			*27850	*27850	*19600	*19600	*15500	14020	*13070	9610				*4870	*4870	11.13
3.0 m					*22120	19470	*16900	13270	*13760	9290				*5220	*5220	11.18
1.5 m					*23620	18290	*17880	12610	*14220	8970				*5780	*5780	10.98
0 m			*21240	*21240	*23810	17700	*18140	12190	*14120	8760				*6650	6440	10.50
-1.5 m	*17600	*17600	*29680	*29160	*22710	17610	*17380	12070						*8010	7660	9.70
-3.0 m	*31700	*31700	*25890	*25890	*20090	17930	*14990	12290								
-4.5 m			*19610	*19610	*14820	*14820										

Heavy lift – on

Medium Stick

3000 mm

Shoes

















750 mm

Bucket Capacity

3.8 m³

Bucket Weight

4410 kg

	3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		10.5 m				m	
																
9.0 m							*9690	*9690						*4060	*4060	9.66
7.5 m							*12360	*12360						*3860	*3860	10.61
6.0 m							*13400	*13400	*11900	10020				*3850	*3850	11.20
4.5 m			*26030	*26030	*18660	*18660	*14880	14210	*12600	9770				*4000	*4000	11.51
3.0 m					*21380	19790	*16390	13410	*13410	9390				*4300	*4300	11.57
1.5 m					*23230	18490	*17560	12680	*14020	9010				*4800	*4800	11.37
0 m			*22400	*22400	*23810	17750	*18050	12190	*14160	8740				*5570	*5570	10.91
-1.5 m	*16830	*16830	*30910	29020	*23100	17520	*17620	11980	*13410	8660				*6760	*6760	10.16
-3.0 m	*28350	*28350	*27510	*27510	*20950	17710	*15820	12090								
-4.5 m	*27780	*27780	*21900	*21900	*16620	*16620										



Load Point Height



Load Radius Over Front



Load Radius Over Side



Load at Maximum Reach

* Limited by hydraulic rather than tipping load.

The above loads are in compliance with hydraulic excavator lift capacity ratings standard ISO/DIS 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.

Lift Capacities – Reach Boom (VB family) 7800 mm

All weights are in kg

Heavy lift – on

Short Stick

2600 mm

Shoes

















650 mm

Bucket Capacity

3.8 m³

Bucket Weight

4410 kg

	3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		10.5 m				m	
																
10.5 m														*6740	*6740	8.8
9.0 m							*12 420	*12 420						*6300	*6300	10.16
7.5 m							*13 050	*13 050	*11 590	9910				*6170	*6170	11.05
6.0 m			*24 660	*24 660	*17 820	*17 820	*14 260	*14 260	*12 100	9820				*6230	5580	11.62
4.5 m					*20 500	19 780	*15 690	13 490	*12 860	9470				*6460	5040	11.91
3.0 m					*22 570	18 080	*16 950	12 640	*13 570	9050	10 960	6430		*6860	4820	11.96
1.5 m					*23 320	17 070	*17 690	11 990	*14 000	8680	10 810	6290		*7480	4890	11.77
0 m					*22 860	16 730	*17 710	11 620	*13 950	8450				*8380	5310	11.33
-1.5 m			*18 540	*18 540	*21 460	16 820	*16 900	11 550	*13 160	8410				*8630	6200	10.61
-3.0 m			*22 900	*22 900	*19 030	17 210	*15 020	11 750	*10 910	8630						
-4.5 m			*18 050	*18 040	*15 040	*15 040	*11 170	11 170								

Heavy lift – on

Short Stick

2840 mm

Shoes

















750 mm

Bucket Capacity

3.2 m³

Bucket Weight

3565 kg

	3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		10.5 m				m	
																
10.5 m														*6740	*6740	9.13
9.0 m							*13 050	*13 050						*6290	*6290	10.43
7.5 m							*13 700	*13 700	*12 350	10 930				*6110	*6110	11.30
6.0 m			*24 730	*24 730	*18 330	*18 330	*14 950	*14 950	*12 900	10 760				*6110	*6110	11.85
4.5 m					*21 180	20 940	*16 470	14 450	*13 700	10 400	*11 910	7530		*6270	5680	12.14
3.0 m					*23 530	19 360	*17 850	13 640	*14 480	9980	11 900	7370		*6590	5480	12.19
1.5 m					*24 590	18 350	*18 740	13 000	*15 010	9600	11 720	7200		*7080	5540	12.02
0 m					*24 360	17 940	*18 900	12 620	*15 070	9360	11 610	7100		*7820	5920	11.60
-1.5 m			*17 760	*17 760	*23 100	17 930	*18 230	12 500	*14 410	9280				*8930	6710	10.91
-3.0 m	*19 160	*19 160	*25 430	*25 430	*20 790	18 210	*16 510	12 630	*12 530	9430				*6760	*6760	9.89
-4.5 m			*20 580	*20 580	*16 980	*16 980	*13 040	*13 040								

Heavy lift – on

Medium Stick

3600 mm

Shoes

















750 mm

Bucket Capacity

3.6 m³

Bucket Weight

3550 kg

	3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		10.5 m				m	
																
10.5 m														*5770	*5770	10.02
9.0 m									*10 440	*10 440				*5450	*5450	11.19
7.5 m									*11 270	11 260				*5340	*5340	11.98
6.0 m							*13 750	*13 750	*11 970	11 000	*10 810	7870		*5390	*5390	12.50
4.5 m					*19 530	*19 530	*15 400	14 780	*12 900	10 580	*11 250	7700		*5580	5080	12.77
3.0 m					*22 300	20 000	*17 000	13 910	*13 850	10 090	*11 750	7450		*5920	4890	12.82
1.5 m					*24 050	18 750	*18 210	13 160	*14 590	9650	11 740	7210		*6430	4920	12.65
0 m			*11 230	*11 230	*24 540	18 070	*18 760	12 650	*14 930	9320	11 550	7030		*7170	5200	12.26
-1.5 m	*9020	*9020	*18 420	*18 420	*23 890	17 840	*18 530	12 400	*14 690	9150	11 480	6970		*8250	5810	11.62
-3.0 m	*17 440	*17 440	*26 880	*26 880	*22 170	17 940	*17 380	12 400	*13 590	9160				*7970	6960	10.68
-4.5 m	*26 470	*26 470	*24 160	*24 160	*19 150	18 330	*14 940	12 650	*10 790	9450				*5190	*5190	9.33
-6.0 m			*17 710	*17 710	*14 080	*14 080	*9880	*9880								

Heavy lift – on

Intermediate Stick

4150 mm

Shoes



















750 mm

Bucket Capacity

2.6 m³

Bucket Weight

3000 kg

	1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		10.5 m				m	
																		
10.5 m																*5110	*5110	10.70
9.0 m												*10 120	*10 120			*4840	*4840	11.78
7.5 m												*10 860	*10 860	*8760	8440	*4750	*4750	12.53
6.0 m									*13 160	*13 160	*11 620	11 480	*10 580	8350	*4790	*4790	13.02	
4.5 m					*25 520	*25 520	*18 540	*18 540	*14 870	*14 870	*12 620	11 010	*11 120	8110	*4950	*4950	13.28	
3.0 m							*21 550	20 710	*16 610	14 380	*13 660	10 480	*11 700	7820	*5230	4790	13.33	
1.5 m							*23 730	19 310	*18 030	13 560	*14 540	9990	12 060	7530	*5660	4800	13.17	
0 m					*13 040	*13 040	*24 710	18 450	*18 850	12 960	*15 070	9600	11 820	7300	*6290	5030	12.80	
-1.5 m			*9320	*9320	*18 390	*18 390	*24 520	18 070	*18 920	12 620	*15 080	9360	11 680	7170	*7200	5530	12.19	
-3.0 m	*12 420	*12 410	*16 110	*16 110	*26 080	*26 080	*23 230	18 040	*18 130	12 530	*14 350	9300	*11 050	7200	*8580	6460	11.31	
-4.5 m			*24 280	*24 280	*26 670	*26 670	*20 730	18 300	*16 230	12 680	*12 440	9460			*6900	*6900	10.06	
-6.0 m			*26 520	*26 520	*20 970	*20 970	*16 500	*16 500	*12 480	*12 480								





















Heavy lift – on

Long Stick – 4670 mm

Shoes – 750 mm

Bucket Capacity – 2.6 m³

Bucket Weight – 3000 kg

	1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		10.5 m		12.0 m				m	
																				
10.5 m																		*4300	*4300	11.38
9.0 m													*6590	*6590				*4050	*4050	12.39
7.5 m												*9750	*9750	*8690	8610			*3950	*3950	13.10
6.0 m												*10 890	*10 890	*9970	8460	*5750	*5750	*3970	*3970	13.57
4.5 m							*17 200	*17 200	*13 980	*13 980	*11 950	11 130	*10 580	8180	*7890	6020	*4090	*4090	13.82	
3.0 m							*20 400	*20 400	*15 830	14 570	*13 080	10 570	*11 250	7860	*9250	5860	*4310	*4310	13.86	
1.5 m							*22 930	19 600	*17 430	13 680	*14 090	10 030	*11 840	7530	9410	5690	*4650	4330	13.72	
0 m					*13 280	*13 280	*24 340	18 570	*18 480	13 000	*14 780	9590	11 780	7250	9270	5550	*5160	4520	13.36	
-1.5 m			*8390	*8390	*17 240	*17 240	*24 750	18 030	*18 830	12 570	*14 990	9290	11 580	7080			*5880	4930	12.79	
-3.0 m	*10 430	*10 430	*14 110	*14 110	*23 520	*23 520	*23 700	17 880	*18 360	12 400	*14 560	9160	*11 520	7030			*9670	5690	11.96	
-4.5 m	*16 200	*16 200	*21 060	*21 050	*28 300	*28 300	*21 660	18 030	*16 880	12 460	*13 170	9230					*7700	7050	10.80	
-6.0 m			*26 880	*26 880	*23 380	*23 380	*18 110	*18 110	*13 930	12 790	*9860	9600								
-7.5 m					*15 660	*15 660	*11 970	*11 970												



Load Point Height



Load Radius Over Front



Load Radius Over Side



Load at Maximum Reach

* Limited by hydraulic rather than tipping load.

The above loads are in compliance with hydraulic excavator lift capacity ratings standard ISO/DIS 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 specifics.

Electrical

Alternator, 75 A
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, EU Stage IIIA emission compliant
Altitude capability to 2300 m without derating
High ambient cooling, 50° C 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
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
Neutral lever (lock out) for all controls
Positive filtered ventilation
Pressurized cab
Retractable seat belt 50 mm width
Stationary skylight (polycarbonate)
Sunshade for windshield and skylight
Travel control pedals with removable hand levers
Windshield wipers and washers (upper and lower)

Undercarriage

Double grouser shoes – 750 mm width, heavy duty
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•SSM quick sampling valves for engine oil and hydraulic oil
Steel firewall between engine and hydraulic pumps
Wiring provisions for Product Link, Auto-lube System and lighted beacon

Optional Equipment

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

Front Linkage

Bucket linkages

VB-family for VB sticks (available with or without lifting eye)

WB-family for WB sticks (available with or without lifting eye)

Buckets – see chart pg.13

Booms (with two working lights)

Mass excavation

6590 mm

7000 mm

Reach

7800 mm

Sticks

For mass boom

– M2.6WB (2570 mm)

– M3.0WB (3000 mm)

For reach boom

– R2.6VB (2570 mm)

– R2.8VB (2840 mm)

– R3.6VB (3600 mm)

– R4.2VB (4150 mm)

– R4.7VB (4670 mm)

Tips, sidecutters and edge protectors

Track

Double grouser, heavy duty

– 650 mm

– 650 mm, clipped

– 900 mm

Extreme Service undercarriage package

Guards

FOGS (Falling Object Guard System) including overhead and windshield guards

Track guiding guards – full length

Wire mesh screen for windshield

Auxiliary Controls and Lines

Auxiliary boom lines (high pressure for reach and mass booms)

Auxiliary stick lines (high pressure for reach and mass booms)

Basic control arrangements:

Single action – one way high pressure circuit for hammer application

Combined function – one way high pressure circuit for hammer application function for 1-way or 2-way high pressure

Medium pressure circuit

Miscellaneous Options

Boom lowering control device with SmartBoom

Cab front rain protector

Converters, 7 A-12V

– One

– Two

Electric refueling pump

Fine filtration filter

Jump start terminals

Reversible cooling fan including protective screen

Starting aid for cold weather with ether

Stick lowering control device

Travel alarm with cut off switch

Operator Compartment

Joysticks

Four button joystick for standard machine or single action auxiliary control

Thumb wheel modulation joystick for use with combined auxiliary control

Lunch box storage with lid

Machine security system with programmable keys

Radio

AM/FM radio mounted in right hand console with antenna and two speakers

Radio ready mounting at rear location including 24V to 12V converter speakers, antenna

Seat

Adjustable high-back seat with mechanical suspension

Adjustable high-back seat with air suspension

Adjustable high-back heated seat with air suspension

Straight travel pedal

Windshield

1-piece standard duty

1-piece high impact resistant

50-50 split, sliding

70-30 split, sliding

365C L Hydraulic Excavator

For more complete information on Cat products, dealer services, and industry solutions, visit us on the web at www.cat.com

Materials and specifications are subject to change without notice. Featured machines in photos may include additional equipment. See your Caterpillar dealer for available options.

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