

308C CR

Hydraulic Excavator



4M40E1 Engine

Flywheel Power

41 kW/54 hp

Operating Weight with 2470 mm blade,
one-piece boom, 2210 mm stick,
600 mm shoes and 0.3 m³ bucket

8040 kg

Maximum Drawbar Pull

57 kN

Swing Torque

16 000 Nm

308C CR Hydraulic Excavator

The 308C CR offers a compact radius and improved performance, versatility and styling.

Compact Radius

The 308C CR features a compact radius, making it ideal for working in urban construction where space is often restricted. **pg. 3**

Front Linkage

Front linkage variations allow the use of one boom and two sticks for maximum productivity on a wide range of jobs. **pg. 3**

Serviceability

Longer service intervals and easier maintenance result in better machine availability and lower owning and operating costs. **pg. 8**

Hydraulics

The open-center, two-pump hydraulic system provides high efficiency and reliability. The machine's pump flow control improves fuel efficiency, ensures smooth control, reduces sound levels and extends component life. **pg. 4**

Engine

The Mitsubishi 4M40-E1 engine delivers power and performance along with outstanding fuel efficiency and low sound levels. All engine components are designed for maximum wear resistance and durability. **pg. 5**

Buckets, Quick Coupler and Work Tools

Ex-CWTS available buckets, quick couplers, multi-grapples, shears, and ex-CIPL available hammers – to provide a total solution package to the end-user. **pg. 10**

Operator Station

An enlarged cab and new window design enhance visibility and operator comfort. The sliding door system allows easy operator access, even in tight quarters. All operator controls are designed for smooth, low-effort operation and easy reach. **pg. 7**

Undercarriage and Blade

Rugged Cat® undercarriage design and proven structural manufacturing techniques ensure outstanding durability in the toughest conditions. Blades feature replaceable and reversible cutting edges for long service life and reliability. **pg. 6**

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. 9**

Increased horsepower, better controllability, extended service intervals and a redesigned operator station increase your productivity and lower your operating costs.



Compact Radius

Compact radius design delivers top performance in tight quarters.

Compact Radius Design. The 308C CR is a compact radius version of the 307C. It is designed to work in a 2850 mm wide area.

Shorter Tail Swing Radius. A shorter tail swing radius makes the 308C CR easier to operate against walls and in other tight areas, reducing the risk of damage to the rear of the machine during operation.

Flexibility in Tight Quarters. The shorter tail measurement allows the excavator to work productively in urban construction, on logging roads and other space restricted sites.

Dimensions	mm
1 Front Swing From Center	
1665 mm stick	1660
2210 mm stick	2180
2 Rear Swing From Center	1290
3 Overhang	
450 mm shoes	130
600 mm shoes	55
4 Width	
1665 mm stick	2950
2210 mm stick	3470



Front Linkage

Designed for maximum flexibility to keep productivity high on all jobs.

Front Linkage Attachments. Allows the use of one boom and two sticks. Using these combinations makes the excavator productive in a wide range of applications.

One-Piece Boom. The one-piece boom features a fabricated box-section design. Robotic welding and high-tensile strength steel on upper, lower and side plates provide high durability and consistency.

Sticks. Two stick attachments are available: a long stick to maximize reach or a medium stick for the most versatile front linkage. Both sticks use a box-section design made of high tensile-strength steel and a buffer plate.

Linkage Bearings. A self-lubricated, sintered bearing greatly extends the greasing interval on front linkage pins by reducing pin friction. Greasing intervals on the bucket swing pin connection are also extended using a mesh bearing design.

Linkage Pins. Linkage pins are used with high-stress parts such as at the boom foot and boom cylinders. They feature a thick chrome finish to maximize durability. The 308C CR pin diameters are the same as on the 307C, except for boom cylinder-frame pin size.



Hydraulics

Hydraulics deliver power and precise control to keep material moving at high volume.



Precise Control. Hydraulics deliver smooth changes in speed and outstanding overall control.

Pilot System. Increased pilot hydraulic pressure provides better control to the front linkage, swing and travel operations.

Component Layout. The 308C CR hydraulic system was designed to provide a high level of efficiency. With all major components located close together, shorter tubes and lines are needed, resulting in less friction loss in the lines and reduced pressure drops.

Hydraulic Cross-Sensing System.

The system utilizes each of the main hydraulic pumps to 100 percent of engine power under all operating conditions, resulting in faster implement speeds and pivot turns.

Flow Control System. Pump flow decreases when controls are in neutral for reduced fuel consumption and sound levels.

Stick Regeneration Circuit. Saves energy while the stick is in use, providing shorter cycle times and lower operating costs.

Boom Drift Reducing Valve. This valve reduces the natural drift of the boom, so lifted material will remain suspended for long periods with virtually no drift.

Auxiliary Hydraulic Valve.

The auxiliary hydraulic valve is standard on the 308C CR for use with optional hydraulic circuits.

Stackable Valves. One stackable valve can be used in combination with the main control valve, allowing additional tools to be added.

Auxiliary Hydraulic Arrangements.

For maximum flexibility, three arrangements are available on the 308C CR: single function for a dedicated hammer, double function for a shear or a combined function circuit.

Hydraulic Cylinder Snubbers.

Snubbers are located at the rod-end of the boom cylinders and both ends of the stick cylinders to cushion shocks while reducing sound levels and extending cylinder life.

Engine

The four-cylinder engine is built for power, reliability, economy and low emissions.

4M40-E1 Engine. The Mitsubishi 4M40-E1 engine was developed specifically for construction equipment. It features a long-stroke piston movement for high torque at medium to low speeds, excellent fuel efficiency and low sound levels and vibration.

Low Fuel Consumption. The engine offers low fuel consumption, improved thermal efficiency and reduced resistance between pistons and liners.

Cylinder Block and Head. The cylinder block is made of cast iron for improved wear resistance. The upper part is laser hardened to reduce oil consumption, increase wear resistance and minimize piston ring scuffing. Aluminum alloy cylinder heads incorporate water directors to ensure efficient cooling.

Pistons and Rings. Heat-resistant aluminum cast alloy pistons feature clearance control struts. A short compression height results in high combustion efficiency and reduced weight. The piston ring set consists of three rings, treated for maximum wear resistance.

Crankshaft and Connecting Rod.

The surface of the crankshaft journals and pins are induction-hardened to ensure high reliability. The forged connecting rods are made of a high tensile strength steel alloy.



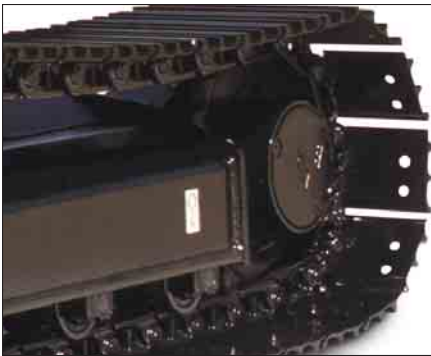
Cooling System. A large-diameter fan and full-length, water-cooled cylinders, combined with excellent thermal efficiency, help prevent overheating. The result is longer engine life and the ability to operate at high temperatures and under heavy loads. A mixed flow fan design provides high cooling efficiency. The core radiator is equipped with waved fins to prevent clogging.

Lubrication System. The system utilizes an external gear-type, high-efficiency oil pump. The large oil filter is composed of a main filter and a bypass filter, designed for high performance.

Starting System. The standard 308C CR has a 3.2 kW capacity starting motor, mounted at the right of the engine, and two Cat 100-AH capacity batteries. In this configuration, the machine can be started at -32°C with glow plugs.

Undercarriage and Blade

Durable undercarriage absorbs stresses and provides excellent stability.



Undercarriage Design. The 308C CR uses a standard undercarriage with the same basic design as the 307C, ensuring high reliability.

Grease-Lubricated Track. Grease-lubricated seals protect the track link and provide longer wear life by helping to keep dirt and debris from entering the pin and bushing joint.

Roller Lubrication. All rollers, sprockets and idler joints are closed with floating seals. Lubricating oil from the seals prevents water and dirt from entering. The seals also make lubrication maintenance-free.

Master Pin. The standard master pin is the split-pin type, which makes track attachment and removal easier.

Carbody and Track Roller Frame.

X-shaped, box-section carbody provides high rigidity and excellent resistance to torsional bending. The track frame is made from a press-formed pentagonal section for maximum strength and long service life. The carbody and track roller frames use robotic welding to ensure continuous, high-quality welds. Long welds contribute to smoother transition of loads and increased durability.

Travel Motors. Automatic speed selection enables the machine to automatically shift up and down from high and low speeds in a smooth, controlled manner. An “anti-hunt” feature eliminates the hunting often associated with auto shifting when operating near the shift point.

Travel Motor Routing. The travel motors are routed along the rear of the carbody, protecting the lines from damage.

Travel Brake Valves. An improved counterbalance valve eliminates sudden starts and stops during travel. A cross-over relief valve helps reduce shocks during acceleration and deceleration and decreases wear on the travel motors.

Idler Guard. An idler guard is integral to the track roller frame. This standard guard helps maintain track alignment while traveling or working on slopes.

Segment-type Rubber Track. Optional segment-type rubber track prevents damage to concrete and other road surfaces, especially in urban areas.

Blades. Two blade widths are available. The bolt-on cutting edge consists of three pieces, which can be reused by turning them upside down. Replaceable bolt-on edges protect the blade from damage and wear. Mesh bearings in the pin joints of the blade cylinder extend the greasing interval.

Operator Station

Designed for simple, easy operation, the 308C CR allows the operator to focus on production.

Cab Design. An enlarged cab with curved styling gives the operator a comfortable, spacious working environment and improved visibility.

Seat. The low-back seat slides forward and backward independent of the consoles, so it can be adjusted to the operator's comfort level.

Sliding Door. The cab door slides alongside the cab and takes less space to open and close than a hinged door. This unique design allows the operator to easily get in and out of the cab when working against walls on job sites, even when attachments are added.

Consoles. Redesigned consoles feature a simple, functional design. Both consoles have attached adjustable armrests and slide forward and backward.

Monitor. The conveniently located compact monitor displays instrument panel gauges and indicators in an easy to-read and understand format.

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.

Travel Control Levers. The two travel control levers have a reverse-L shape, making them easier to operate. Lever stroke and force have been adjusted to improve fine control and to prevent jolting during machine impact.



Hydraulic Activation Control Lever.

For added safety, this lever must be in the locked position before the operator can leave the cab. This feature prevents the machine from operating without the operator in the cab.

Climate Control. Fully automatic climate control adjusts temperature and flow.

Windows. Window glass is attached directly to the window frame with adhesive to improve visibility.

To protect the operator from falling objects, the upper front window is made of laminated glass. An enlarged skylight with sunshade improves overhead visibility.

Windshield. The front windshield can be opened and closed using a one-touch action release system and autolock system.

Serviceability

Simplified service and maintenance save you time and money.



Extended Service Intervals.

Extended service and maintenance intervals reduce service time and increase machine availability. Use of oil-free bearing extends front linkage greasing interval to 1,000 hours, except in bucket area.

Ground-Level Maintenance.

For operator convenience, all daily maintenance areas can be easily reached from ground level.

Fan Guard. Engine radiator fan is completely enclosed by fine wire mesh, reducing the risk of injury.

DT Electrical Connectors. Connectors are water- and vibration-resistant, improving electrical system reliability.

Radiator and Pump Compartment.

Opening the engine hood allows easy access to the engine radiator and the oil cooler. A reserve tank and drain cock are attached to the radiator to simplify maintenance.

Air Filter. Cat radial seal provides superior cleaning efficiency.

Engine Inspection. The engine can be accessed from the upper structure or from under the machine. The engine hood incorporates a gas cylinder-assist mechanism, making the hood easy to open. A steel wall separates the engine and pump compartments, preventing hydraulic oil from spraying on the engine in the event of a hydraulic line failure.

Engine Maintenance. To make daily servicing easier, the oil level gauge, oil filter, fuel filter and priming pump are grouped on the left side of the engine.

Fuel Tank. A drain cock is installed at the bottom of the tank, making it easier to remove water and sediment during maintenance.

Fuel-Water Separator. The water separator has a primary fuel filter element and is located in the radiator compartment for easy access from the ground.

Storage Box. The storage box is located at the right front of the upper structure and can be locked. Tools and other repair equipment can be stored in this space.

Complete Customer Support

Cat dealer services help you operate longer with lower costs.

Services. Customer Service is critical today in every business. That's why so many people buy Cat equipment. They know they are getting quality reliability and performance backed-up with the best Customer Service. Your Caterpillar dealer offers a wide range of services that can be set up under a Customer Support Agreement. The dealer will help you choose a plan that can cover the whole machine including work tools, to help you to get the best out of your investment.

Product Support. You will find a solution for your parts requirements at your dealer. Cat dealers utilize a worldwide network to find in-stock parts to minimize downtime. In addition your dealer can offer alternative solutions like Reman, Classic Parts and quality used parts to save money on original Caterpillar components.

Service Capability. Whether in the dealer's fully equipped shop or in the field, you will get highly trained service technicians using the latest technology and tools.

Maintenance. More and more equipment buyers are planning for effective maintenance before buying equipment. Choose from your dealer's wide range of maintenance services at the time you purchase your machine. Repair option programs guarantee the cost of repairs up front. Diagnostic programs such as S•O•SSM Fluid analysis and Technical Analysis help you avoid unscheduled repairs.

Selection. Make detailed comparisons of the machines you are considering before you buy. How long do components last? What is the cost of preventive maintenance? Your Cat dealer can give you precise answers to these questions to make sure you operate your machines at the lowest cost.



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 and owning and operating costs over the long run.

Operation. Improving operating techniques can boost your profits. Your Cat dealer has training material and ideas to help you increase productivity.

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

Buckets, Quick Couplers and Work Tools

The 308C CR has designed-in flexibility to help bring total solutions for efficiency to your jobs.

Quick Couplers. Caterpillar Quick Couplers enable the operator to simply release one work tool and pick up another. Your hydraulic excavator becomes highly versatile. To suit your business and application needs, Caterpillar offers two different types of Quick Couplers.

CW-Series Dedicated Quick Coupler. The dedicated CW-Series quick coupler enables a quick tool exchange while maintaining top machine performance. It is available in a hydraulic and spindle version.

- The hydraulic version is available in a standard and a narrow version and makes it very easy for the operator to switch tools without having to leave the cab.
- The spindle version is a user-friendly mechanical version that can later be easily converted into the hydraulic version if required. The spindle version is also available in the narrow and standard version.
- A lifting hook is added to the dedicated Quick Coupler for maximum lift capacity.



Pin Grabber Plus Quick Coupler. This hydraulically controlled Pin Grabber Plus quick coupler makes changing buckets and other popular work tools simple and fast. The Pin Grabber Plus coupler mounts to the end of the stick and allows buckets, clamshells and other work tools to be used with little or no modification.

- Each model fully adjusts to different pin spreads of various tools regardless of manufacturer – it is the only coupler that accommodates a wide range of work tool makes and models.
- Pin-on assembly makes coupler installation and removal fast and easy.
- Coupler retains the same bucket opening and closing angles.
- Buckets can be reversed for greater flexibility when working around and under obstructions.
- Integrated lift eye.



Quick Coupler hydraulic Circuits for CAT 308C CR are available as retrofit kits. Caterpillar offers two kits that are dedicated to CW and Pin Grabber Plus coupler. Ask your Cat dealer for more specific information.

Buckets. A wide variety of buckets help optimize machine performance. Purpose designed and built to Caterpillar's high durability standards.

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

Extreme Excavation Bucket. Digs and loads compact/abrasive materials like earth/rock, sand/clay, sand/gravel, coal, chalk and low abrasion ores. Features abrasion resistant steel for all wear parts.

Ditch Cleaning Bucket. Wide, light bucket used mainly with long reach configurations to clean waterbeds and banks.



Work Tools. Work Tools for 308C CR are only available ex Caterpillar Work Tools & Services (NL) and ex Caterpillar Impact Products Ltd. (UK). For any specific work tools needs not covered in machine price list please contact your local dealer.

Shear. Caterpillar's steel cutting shear S305 meets your requirements in scrap recycling as well as primary demolition and offers excellent flexibility.

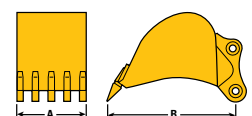
Multi-Grapple. The Multi-Grapple VRG10 is the ideal tool for stripping, sorting, handling and loading.

Hammer. The Cat hammers H70 and H90C provide the perfect match for maximal life, efficiency and productivity.

Bucket Specifications

Contact your Caterpillar dealer for special bucket requirements.

		Excavation					Extreme Excavation				
A Bite width	mm	300	450	600	750	850	300	450	600	750	800
B Tip radius	mm	1070	1070	1070	1070	1070	1070	1070	1070	1070	1070
Capacity	m ³	0.09	0.16	0.23	0.30	0.35	0.09	0.16	0.23	0.30	0.33
Weight	kg	141	168	191	208	222	146	174	197	228	242



Engine

Engine	4M40-E1
Gross Power	41 kW/55 hp
Net Power	
ISO 9249	41 kW/54 hp
EEC 80/1269	41 kW/54 hp
Bore	95 mm
Stroke	100 mm
Displacement	2.8 liters
Cylinders	4

- 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.
- The 308C CR engine meets Stage II EU Emission Directive 97/68/EC.

Hydraulic System

Main Implement System	
Maximum Flow (2x)	64 l/min
Maximum Pressure	
Implements	27 460 kPa
Travel	31 380 kPa
Swing	24 030 kPa
Pilot System	
Maximum flow	18.7 l/min
Maximum pressure	4120 kPa
Blade	
Maximum Flow	34 l/min
Maximum Pressure	20 600 kPa
Boom Cylinder	
Bore	110 mm
Stroke	985 mm
Stick Cylinder	
Bore	90 mm
Stroke	932 mm

Sound

Operator Sound

The operator sound level measured according to the procedures specified in ISO 6396 is 73 dB(A), for cab offered by Caterpillar, when properly installed and maintained and tested with the doors and windows closed.

Exterior Sound

The labeled spectator sound power level measured according to the test procedures and conditions specified in 2000/14/EC is 100 dB(A).

Cab/FOGS

Meets ISO 10262

Drive

Maximum Travel Speed	5.3 km/h
Maximum Drawbar Pull	57 kN

Swing Mechanism

Swing Speed	11.5 rpm
Swing Torque	16 kNm

Operating Weight

With one-piece boom, long stick, 600 mm shoes, 0.6 m³ bucket and 2470 mm blade 8040 kg

Service Refill Capacities

	Liters
Fuel Tank	115
Cooling System	15
Engine Oil	10
Swing Drive	1.5
Final Drive (each)	1.3
Hydraulic system (including tank)	92
Hydraulic tank	55

Track

Caterpillar designed and built track-type undercarriage and track shoes.

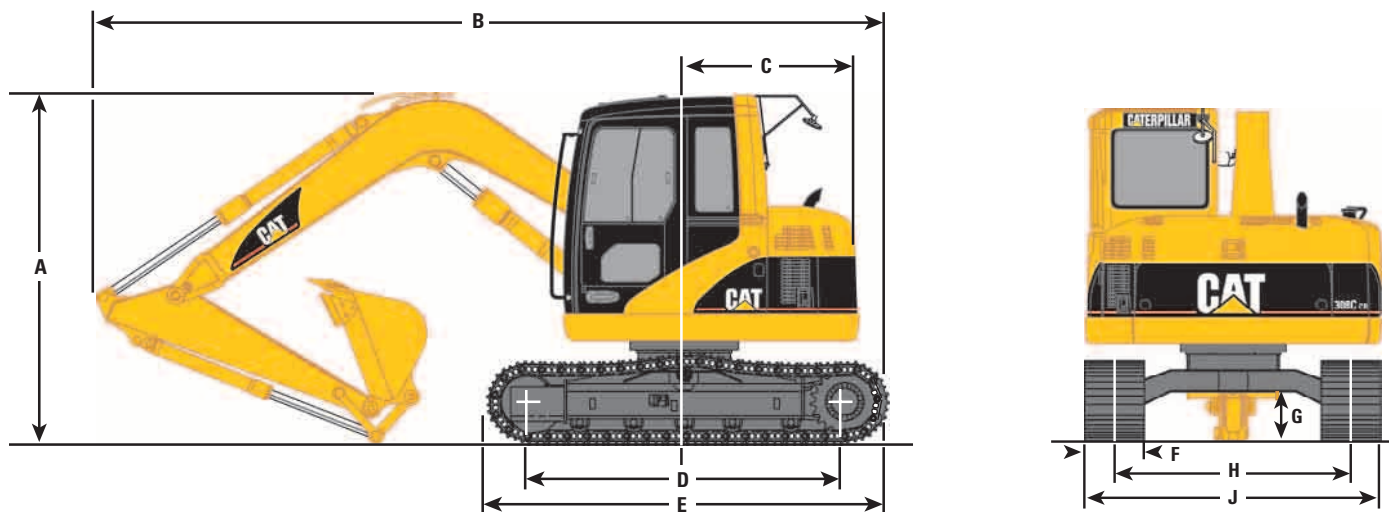
	Ground Pressure
Standard triple grouser shoes	
450 mm	32.4 kPa
Optional triple grouser shoes	
600 mm	24.9 kPa
Optional rubber track shoes	
450 mm	32.6 kPa

Additional Weights

	kg
Standard operating weights	
with 1665 mm stick and 450 mm shoes	7430
with 2210 mm stick and 450 mm shoes	7470
Optional operating weights	
with 1665 mm stick and 600 mm shoes	7600
with 2210 mm stick and 600 mm shoes	7650
Blade	
2320 mm	380
2470 mm	390
450 mm segmented rubber track	23

Dimensions

All dimensions are approximate. Machine dimensions with 3700 mm one-piece boom and 1665 mm stick.

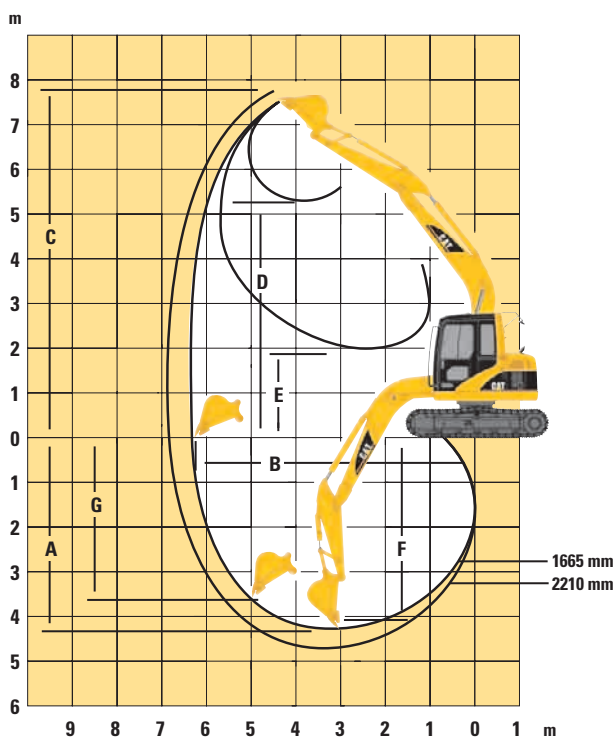


A Shipping height	2610 mm	E Track length	2910 mm
	*2740 mm	F Track shoe width	450/600 mm
B Shipping length	5830 mm	G Ground clearance	384 mm
	*5850 mm	H Track gauge	1870 mm
C Tail swing radius	1290 mm	J Transport width	
D Length to centers of rollers	2280 mm		450 mm shoes
			600 mm shoes

* with 2210 mm stick

Working Ranges

With One-piece boom.



Stick	mm	1655	2210
A Maximum Digging Depth	mm	4140	4690
B Maximum Reach at Ground Level	mm	6250	6770
C Maximum Cutting Height	mm	7390	7810
D Maximum Loading Height	mm	5250	5670
E Minimum Loading Height	mm	2400	2060
F Maximum Digging Depth 2440 mm Level Bottom	mm	3800	4380
G Maximum Vertical Wall Digging Depth	mm	3600	4120
Minimum Front Swing Radius	mm	1660	2180
Stick Digging Forces (SAE)	kN	36	31
Bucket Forces (SAE)	kN	45	45

Lift capacities with 3700 mm One-piece boom (with blade up)

All weights are in kg.

Medium Stick – 1665 mm

Bucket – 0.3 m³

Shoes – 450 mm

	1.5 m		3.0 m		4.5 m		6.0 m		7.5 m				
													m
6.0 m											*750	*750	3.80
4.5 m			*2050	*2050							*600	*600	5.32
3.0 m			*2600	*2600	1650	1350					*600	*600	5.98
1.5 m			3100	2400	1600	1300					*650	*650	6.13
Ground			2900	2250	1550	1200					*750	*750	5.82
-1.5 m	*3900	*3900	2900	2250	1500	1200					*1000	*1000	4.95
-3.0 m			*1600	*1600							*1300	*1300	3.26

Medium Stick – 1665 mm

Bucket – 0.3 m³

Shoes – 600 mm

	1.5 m		3.0 m		4.5 m		6.0 m		7.5 m				
													m
6.0 m											*750	*750	3.80
4.5 m			*2050	*2050							*600	*600	5.32
3.0 m			*2600	*2600	1700	1400					*600	*600	5.98
1.5 m			3150	2500	1650	1300					*650	*650	6.13
Ground			3000	2300	1550	1250					*750	*750	5.82
-1.5 m	*3900	*3900	3000	2300	1550	1250					*1000	*1000	4.95
-3.0 m			*1600	*1600							*1300	*1300	3.26

Long Stick – 2210 mm

Bucket – 0.23 m³

Shoes – 450 mm

	1.5 m		3.0 m		4.5 m		6.0 m		7.5 m				
													m
6.0 m											*800	*800	4.66
4.5 m					*1650	1400					*700	*700	5.91
3.0 m			*2200	*2200	1700	1350					*650	*650	6.50
1.5 m	*		3100	2500	1600	1300					*700	650	6.64
Ground			2900	2250	1500	1200					*800	700	6.36
-1.5 m	*3150	*3150	2850	2200	1500	1150					*1000	850	5.59
-3.0 m	*3800	*3800	*2300	2250							*850	*850	4.01

Long Stick – 2210 mm

Bucket – 0.23 m³

Shoes – 600 mm

	1.5 m		3.0 m		4.5 m		6.0 m		7.5 m				
													m
6.0 m											*800	*800	4.66
4.5 m					*1650	1450					*700	*700	5.91
3.0 m			*2200	*2200	1750	1400					*650	*650	6.50
1.5 m			*3100	2550	1650	1300					*700	700	6.64
Ground			3000	2300	1550	1250					*800	700	6.36
-1.5 m	*3150	*3150	2900	2250	1500	1200					*1000	900	5.59
-3.0 m	*3800	*3800	*2300	2300							*850	*850	4.01



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 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 with 3700 mm One-piece boom (with blade down)

All weights are in kg.

Medium Stick – 1665 mm

Bucket – 0.3 m³

Shoes – 450 mm

	1.5 m		3.0 m		4.5 m		6.0 m		7.5 m				
													m
6.0 m											*750	*750	3.80
4.5 m			*2050	*2050							*600	*600	5.32
3.0 m			*2600	*2600	*2000	1550					*600	*600	5.98
1.5 m			*3400	2800	*2250	1450					*650	*650	6.13
Ground			*3600	2650	*2300	1400					*750	*750	5.82
-1.5 m	*3900	*3900	*3150	2600	*1900	1400					*1000	*1000	4.95
-3.0 m			*1600	*1600							*1300	*1300	3.26

Medium Stick – 1665 mm

Bucket – 0.3 m³

Shoes – 600 mm

	1.5 m		3.0 m		4.5 m		6.0 m		7.5 m				
													m
6.0 m											*750	*750	3.80
4.5 m			*2050	*2050							*600	*600	5.32
3.0 m			*2600	*2600	*2000	1650					*600	*600	5.98
1.5 m			*3400	3000	*2250	1600					*650	*650	6.13
Ground			*3600	2850	*2300	1500					*750	*750	5.82
-1.5 m	*3900	*3900	*3150	2850	*1900	1500					*1000	*1000	4.95
-3.0 m			*1600	*1600							*1300	*1300	3.26

Long Stick – 2210 mm

Bucket – 0.23 m³

Shoes – 450 mm

	1.5 m		3.0 m		4.5 m		6.0 m		7.5 m				
													m
6.0 m											*800	*800	4.66
4.5 m					*1650	1600					*700	*700	5.91
3.0 m			*2200	*2200	*1800	1550					*650	*650	6.50
1.5 m			*3100	2850	*2100	1500					*700	*700	6.64
Ground			*3550	2650	*2300	1400					*800	*800	6.36
-1.5 m	*3150	*3150	*3350	2550	*2100	1350					*1000	1000	5.59
-3.0 m	*3800	*3800	*2300	*2300							*850	*850	4.01

Long Stick – 2210 mm

Bucket – 0.23 m³

Shoes – 600 mm

	1.5 m		3.0 m		4.5 m		6.0 m		7.5 m				
													m
6.0 m											*800	*800	4.66
4.5 m					*1650	*1650					*700	*700	5.91
3.0 m			*2200	*2200	*1800	1700					*650	*650	6.50
1.5 m			*3100	3100	*2100	1600					*700	*700	6.64
Ground			*3550	2850	*2300	1500					*800	*800	6.36
-1.5 m	*3150	*3150	*3350	2800	*2100	1450					*1000	*1000	5.59
-3.0 m	*3800	*3800	*2300	*2300							*850	*850	4.01



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 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

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

Alternator, 35 amp
Automatic swing parking brake
Auxiliary hydraulic valve
Batteries, heavy-duty
Boom (3700 mm) with left side light

Cab

Heater with defroster
Ash tray
Beverage holder
Coat hook
Floor mat
Horn
Instrument panel and gauges
Joysticks, pilot-operated
KAB T1P seat with adjustable armrest,
without head rest

Lighting, interior
Literature compartment
Radio ready with 12V converter
Neutral lever (lockout) for all controls
Openable front windshield
Openable skylight
Pillar mounted windshield wiper and
washer
Rear window emergency exit
Seat belt
Travel control pedals with hand levers
Utility space for magazines
Door and caps lock with one-key
security system
Mirrors (cab rear and left)

Powertrain

MMC 4M40 Diesel engine
24-volt electric starting
One touch low idle
Water separator
Two speed auto-shift travel
Straight line travel
Muffler
Reverse swing damping valve

Undercarriage

Hydraulic track adjusters
Track-type undercarriage
with grease lubricated seals
Idler end track guiding guards
450 mm triple grouser shoes
with additional holes for mounting
rubber street pads
Working light, chassis mounted

Optional Equipment

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

Air conditioning
Auxiliary hydraulic lines for sticks
and boom
Blade, 2320 mm, for use with 450 mm
steel or segment rubber track
Blade, 2420 mm, for use with 600 mm
track
Bucket linkage
Boom lowering control device
Cab mounted working lights
Front windshield guard

Hydraulic arrangements, auxiliary
– single-function capability
– combined single and double
function capability
Power supply 12V-5A
with cigar lighter type socket
Right-side boom lights
Stick lowering control device
Sticks
2210 mm
1670 mm

Tracks
– 600 mm triple grouser
– 450 mm segment rubber track
Travel alarm (mandatory in certain
countries)

308C CR Hydraulic Excavator

HEHH2911 (05/2004) hr

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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