

# 307C 307C SB

Hydraulic  
Excavators



## Weights

307C Operating Weight*	7210 kg	15,895 lb
307C SB		
Operating Weight*	8390 kg	18,479 lb

## Drive

Max. Drawbar Pull	57 kN	12,810 lb
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## Engine

Engine Model	4M40E1	
Flywheel Power	41 kW	54 hp

## Swing Mechanism

Swing Torque	14 150 N.m	10,440 lb ft
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\*Equipped with 2400 mm (7'10") blade, one-piece boom, 2210 mm (7'3") stick, 600 mm (24") shoes, and 600 mm (24") bucket.



# 307C Hydraulic Excavators

*The C Series incorporates innovations for improved performance and versatility.*

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## Engine

The 307C is powered by the MMC 4M40 engine. This engine includes several design features which enhance performance, efficiency and reliability.  
**pg. 4**

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## Hydraulics

The open-center, two-pump hydraulic system features pump flow control which improves fuel efficiency, ensures smooth controllability, reduces sound levels and extends component life.  
**pg. 5**

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## Undercarriage and Blade

Rugged Caterpillar® undercarriage design and proven structural manufacturing techniques assure outstanding durability in the toughest applications. New grease lubricated seals protect and prolong track life.  
**pg. 6**

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## 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**

*Better controllability, extended service, and a more comfortable operator station increase productivity and lower operating costs.*



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### Front Linkage

Designed-in flexibility to help bring higher production and efficiency to all jobs. **pg. 7**

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### Operation Station

Larger, quieter, climate-controlled cab has excellent sightlines to the work area to help keep operator fatigue low and production up throughout the entire shift. **pg. 8**

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### Serviceability

Longer service intervals and easier maintenance results in better machine availability and lower owning and operating costs. **pg. 9**



\*307C is shown with the Caterpillar Pin Grabber Plus hydraulic quick coupler and dealer-installed actuation line.

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*The 307C Swing Boom version was designed for ultimate versatility. Swing the boom in one direction and the upper in the opposite direction to dig up alongside buildings or walls. The boom's swing joint is designed so that it can be used with hydraulic tools like hammers or with the long stick.*



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## Engine

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



**4M40-E1 Engine.** The Mitsubishi Motors Corporation (MMC) 4M40-E1 Engine offers improved thermal efficiency with low fuel consumption and reduced low engine sound levels and vibration.

**Cylinder Block.** The cylinder block is cast iron for improved wear resistance. The upper part is laser hardened to reduce oil consumption and internal component wear.

**Pistons.** Heat resistant aluminum alloy pistons have a short compression height, reducing weight and improving efficiency. The piston ring set consists of three rings, which are treated for wear resistance.

**Low Fuel Consumption.** The 4M40-E1 engine features low fuel consumption, improved thermal efficiency and reduced friction resistance between piston and liners.

**Maintenance.** To make daily maintenance easy, the oil level gauge, oil filter, fuel filter and priming pump are located on the left side of the engine.

**Crankshaft.** For durability and high reliability the surface of the crankshaft journals and pins are induction hardened to reduce wear.

**Cooling.** A large diameter fan and full length, water-cooled engine cylinders, combined with excellent thermal efficiency, help prevent overheating, prolong engine life and ensure the ability to operate at high temperatures and under heavy loads.

# Hydraulics

*Caterpillar hydraulics deliver power and control to keep material moving at high volume.*

**Component Layout.** The 307C 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.**

Improves productivity with faster implement speeds and quicker, stronger pivot turns.

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

**Controllability.** The hydraulic system offers precise control to the 307C, reducing operator fatigue, improving operator effectiveness and efficiency, which ultimately translates into enhanced performance.

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

**Auxiliary Hydraulic Valve.** The auxiliary hydraulic valve is standard on the 307C for use with optional hydraulic circuits.

**Stackable Valves.** Up to two additional control valves can be added to the main control valve of the 307C (only one on the 307C SB) to run additional tools.



**Auxiliary Hydraulics.** For further versatility, a dedicated hammer (single function), thumb (double function) and combined auxiliary hydraulics are offered on the 307C.

**Hydraulic Cylinder Snubbers.** Hydraulic cylinder snubbers at rod-end of boom cylinders and both ends of stick cylinders cushion shocks, reduce sound and increase cylinder life.



## Undercarriage and Blade

*Durable undercarriage absorbs stresses and provides excellent stability.*



**Structures.** Proven structural manufacturing techniques, assure outstanding durability and service life from these important components.

### **Carbody Design and Track Roller**

**Frames.** X-shaped, box-section carbody provides excellent resistance to torsional bending. Robot-welded track roller frames are press-formed, pentagonal units to deliver exceptional strength and service life.

**Rollers and Idlers.** Sealed and lubricated track rollers, carrier rollers and idlers provide excellent service life, to keep the machine in the field longer.

**Grease Lubricated Track.** New grease lubricated seals protect the track link and deliver long track link pin and bushing inner wear life.

**Travel Motors.** Automatic speed selection enables the machine to automatically change up and down from high and low speeds in a smooth, controlled manner.

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

**Blades.** Two optional blades are available to accommodate both track widths. Cutting edges on the blades are now replaceable and reversible. With the optional blades, the 307C can doze, backfill trenches, level working space and speed site cleanup.

**Segment-type Rubber Track.** Available as an attachment, the segment-type rubber track is available for use in urban areas. It helps prevent damage to concrete and other road surfaces.

**Rubber Pads.** The 18" (450 mm) shoe has four holes for rubber pad installation. The rubber pads are attached to the track shoes, eliminating potential damage to paved road surfaces. The elasticity of the rubber pad minimizes noise and vibration during machine operation.



## Front Linkage

*Designed-in flexibility to help bring higher production and efficiency to all jobs.*

**Front Linkage.** Front linkage variations on the 307C allow the use of two booms, two sticks, and five buckets. Using these combinations improves the general-purpose versatility of the excavator by suiting it to a diverse range of applications. The 307C SB provides further versatility to meet the needs of any job.

**One-Piece Boom.** The one-piece boom, measures 3.7 m (12'2") with a fabricated box-section design. The 307C boom uses high-tensile steel for upper, lower and side plates and is robot welded for consistent quality.

**Parallel Offset Boom.** Optional only on the 307C, the parallel offset boom allows the boom and stick to dig parallel to the tracks up against walls, fences, or other obstacles.

**Swing Boom.** The swing boom has a fabricated box-section design and high-tensile strength steel for upper, lower and side plates and is robot-welded for consistent quality. The boom swings to the left 60 degrees and to the right 69 degrees, allowing for side ditch digging against walls, fences or other obstacles.

**Construction.** Built for performance and long service life, Caterpillar booms and sticks are large, welded, box-section structures with thick, multi-plate fabrications in high-stress areas.



**Linkage Bearings.** New bearing technology has extended the front linkage greasing intervals for all bearings except the bucket.

**Buckets.** High tensile strength steel is used in high-stress areas for excellent wear and shock resistance. The side plates are tapered to prevent contact of the bucket sidewalls during trenching operations. All buckets are general purpose, share a common side profile and have lifting eyes.

## Operation Station

*Designed for simple, easy operation, the 307C operator station allows the operator to focus on production.*



**Redesigned Interior Layout.** Redesigned cab layout emphasizes simplicity and ease of use. Right-hand wall and console provide easy access to all switches, dials and controls.

**Monitor.** New, compact monitor enhances viewing from the operator's seat while displaying a variety of easy to read and understand information.

**Seat.** A new seat with a two-tone color offers two types of cushions - soft and hard - for operator comfort. The reclining knob is located at the right-side of the seat for easier reclining adjustment.

**Console.** Redesigned consoles for simplicity and functionality. Both consoles have attached adjustable armrests.

**Automatic Climate Control.** Fully automatic climate control adjusts temperature and flow and determines which air outlet is best in each situation.

**Travel Controls.** A large rubber-covered footrest at the side of the travel pedals allows the foot to easily grip the pedal. The travel lever stroke and force have been enhanced to improve the 307C's fine controllability, making the machine easier to operate.

**Boom Swing Control Pedal.** The 307C boom swing control is actuated by the foot pedal, conveniently located to the right of the travel pedal.

**Hydraulic Actuation Control Lever.** For easy access, the larger hydraulic actuation control lever is attached to the cab floor.

**Viewing.** Window glass is affixed directly to the cab, eliminating window frames which interfere with the operator's viewing area. A larger right-side window also enhances viewing.

**Windshield.** The upper front windshield opens, closes and stores on the roof above the operator. Grips on the mid-lower part of the front windshield make opening easy.

**Upper Cab Door Window.** The upper cab door window slides open, providing extra ventilation and allowing communication with people outside.

**Cab Exterior.** The cab is newly designed and enlarged using asymmetrical steel tubing for improved resistance to fatigue and vibration. Falling Object Guard System (FOGS) may be bolted directly to the cab.

**Cab Mounts.** The cab shell is attached to the frame with improved viscous mounts, reducing vibration and sound.

**Wiper.** The wiper is positioned on the right cab pillar, to further improve the operator's viewing area.



## Serviceability

*Simplified service and maintenance features save you time and money.*

**Extended Service Interval.** 307C service and maintenance intervals have been extended to reduce machine service time and increase machine availability.

**Ground-level Maintenance.** All daily maintenance areas are situated where they can be easily reached from ground level.

**Engine Inspection.** The engine can be accessed from the upper structure or from under the machine. A steel wall separates the engine and pump compartments.

**Radiator and Pump Compartment.** Opening the engine hood allows easy access to the engine radiator, engine oil cooler, pump and pilot filter. A reserve tank and drain cock are attached to the radiator to simplify 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.

**Air Filter.** The 307C features a Cat radial seal for superior cleaning efficiency.

**Grease Lubricated Track.** Grease lubricated seals protect the track link and deliver long track link pin and bushing inner wear life.

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



**Anti-Skid "Punched-Star" Plate.** Anti-skid punched star plate covers top of storage box to prevent slipping during maintenance. The plate can be removed for cleaning.

**DT Electrical Connectors.** 307C DT electrical connectors are water and vibration resistant, which improves electrical system reliability.

**Handrail and Step.** Large handrails and steps assist operator in climbing on and off the machine.

## Complete Customer Support

*Cat dealer services help you operate longer with lower costs.*



**Selection.** Make detailed comparisons of the machines you are considering before you buy. What are the job requirements? What production is needed? What is the true cost of lost production? Your Cat dealer can give you precise answers to these questions.

**Purchase.** Look past initial price, look at the value the 307C offers. Consider the financing options available as well as day-to-day operating costs.

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

**Maintenance.** Repair option programs guarantee the cost of repairs up front. Diagnostic programs such as Scheduled Oil 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.

**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 down time. You will save money with remanufactured components.



## Engine

Engine Model	4M40E1	
Flywheel Power	41 kW	54 hp
Gross Power	41 kW	55 hp
ISO 9249	41 kW	54 hp
SAE J1349	41 kW	54 hp
EEC 80/1269	41 kW	54 hp
Bore	95 mm	3.7 in
Stroke	100 mm	4 in
Displacement	2.84 L	173 in <sup>3</sup>

- The 307C meets US Tier 2 and 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 derating required below 1500 m (4,900 ft) altitude.

## Weights

Operating Weight	7210 kg	15,895 lb
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## Swing Mechanism

Swing Torque	14 150 N.m	10,440 lb ft
Swing Speed	11 RPM	

## Drive

Max. Drawbar Pull	57 kN	12,810 lb
Travel Speed	5.3 kph	3.3 mph

## Hydraulic System

Main Implement System - Max.		
Flow (2x)	64 L/min	17 gal/min
Max. Pressure - Implements	27 460 kPa	3,980 psi
Max. Pressure - Travel	31 380 kPa	4,550 psi
Max Pressure - Swing	19 610 kPa	2,840 psi
Pilot System - Max. Flow	18.7 L/min	4.9 gal/min
Pilot System - Max. Pressure	4120 kPa	600 psi
Blade - Max. Flow	34 L/min	9 gal/min
Blade System - Max Pressure	20 600 kPa	2,990 psi
Swing Boom System -		
Max. Pressure	27 460 kPa	3,980 psi
Boom Cylinder - Bore	110 mm	4.3 in
Boom Cylinder - Stroke	998 mm	39.3 in
Stick Cylinder - Bore	90 mm	3.5 in
Stick Cylinder - Stroke	932 mm	36.7 in

## Service Refill Capacities

Fuel Tank	135 L	35.7 Gal
Cooling System	15.5 L	4 Gal
Engine Oil	11.2 L	2.9 Gal
Swing Drive	1.5 L	0.4 Gal
Final Drive (Each)	1.3 L	0.34 Gal
Hydraulic System		
(Including Tank)	94 L	24.8 Gal
Hydraulic Tank	57 L	15 Gal

## Standards

Meets the following standards:

Cab/FOGS	SAE J1356 FEB88 ISO 10262
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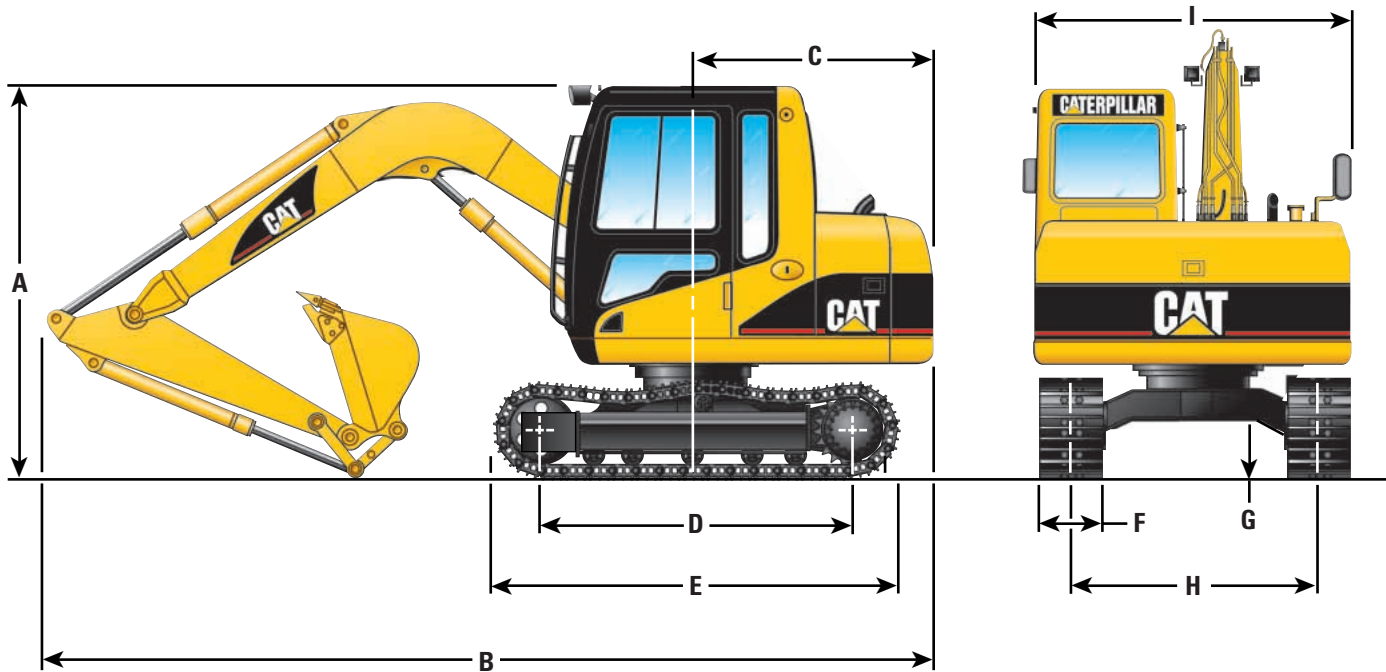
## Sound Performance

The operator sound exposure Leq (equivalent sound pressure level) measured according to the work cycle procedures specified in ANSI/SAE J1166 OCT98 is 74 dB(A), for the 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.

## 307C Dimensions

All dimensions are approximate. Machine dimensions are shown using a 1665 mm (5' 6") stick and 450 mm (18") shoes.



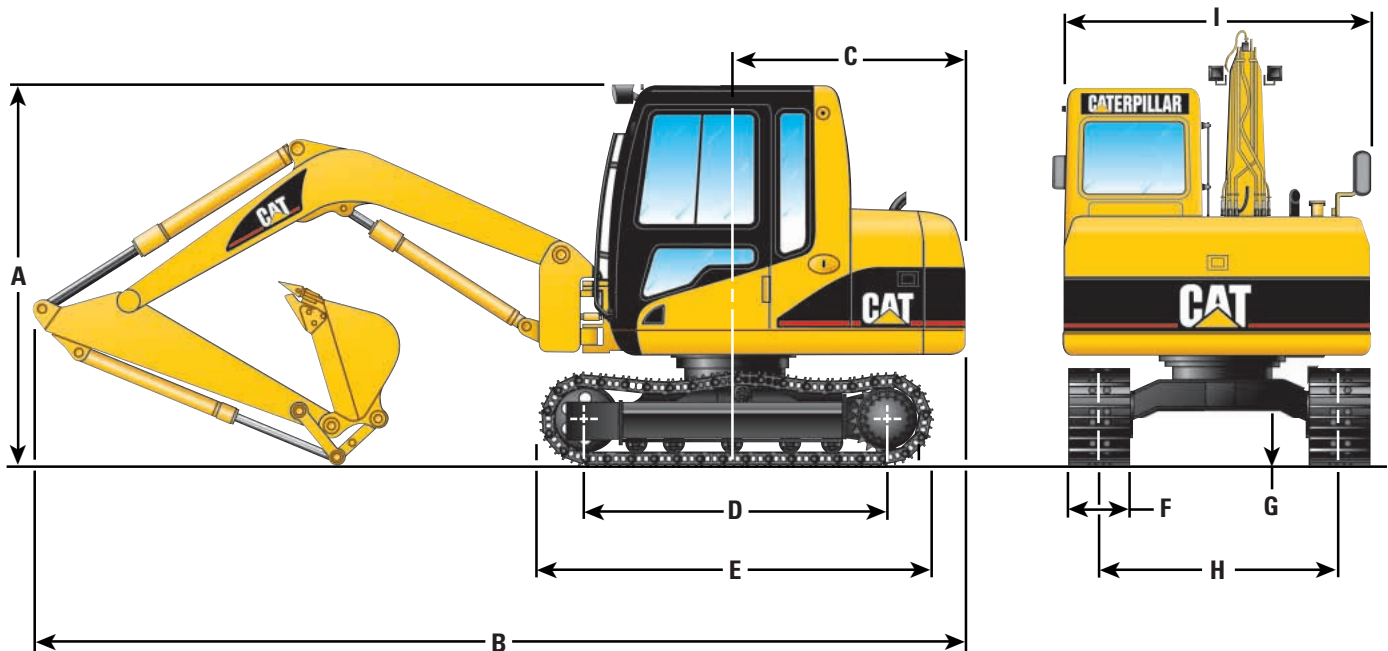
<b>A</b> Shipping height*	2630 mm (8' 8")
<b>B</b> Shipping length	6070 mm (19' 11")
<b>C</b> Tail swing radius	1750 mm (5' 9")
<b>D</b> Length to centers of rollers	2120 mm (6' 11")
<b>E</b> Track length	2760 mm (9' 1")
<b>F</b> Track shoe width	450 mm (18")
<b>G</b> Ground clearance	380 mm (15")
<b>H</b> Track gauge	1750 mm (5' 9")
<b>I</b> Transport width	2290 mm (7' 6")

\* - 2780 mm (9' 1") with 2210 mm (7' 3") stick (at transport position)



## 307C Swing Boom Dimensions

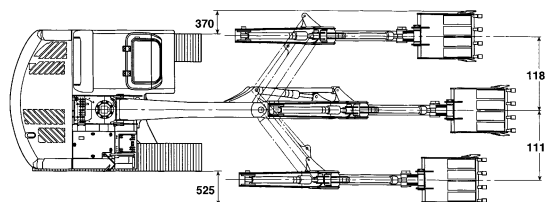
All dimensions are approximate. Machine dimensions are shown using a 1665 mm (5' 6") stick and 450 mm (18") shoes.



<b>A</b> Shipping height	2630 mm (8' 8")
<b>B</b> Shipping length	6790 mm (22' 3")
<b>C</b> Tail swing radius	1750 mm (5' 9")
<b>D</b> Length to centers of rollers	2120 mm (6' 11")
<b>E</b> Track length	2760 mm (9' 1")
<b>F</b> Track shoe width	450 mm (18")
<b>G</b> Ground clearance	380 mm (15")
<b>H</b> Track gauge	1750 mm (5' 9")
<b>I</b> Transport width	2290 mm (7' 6")

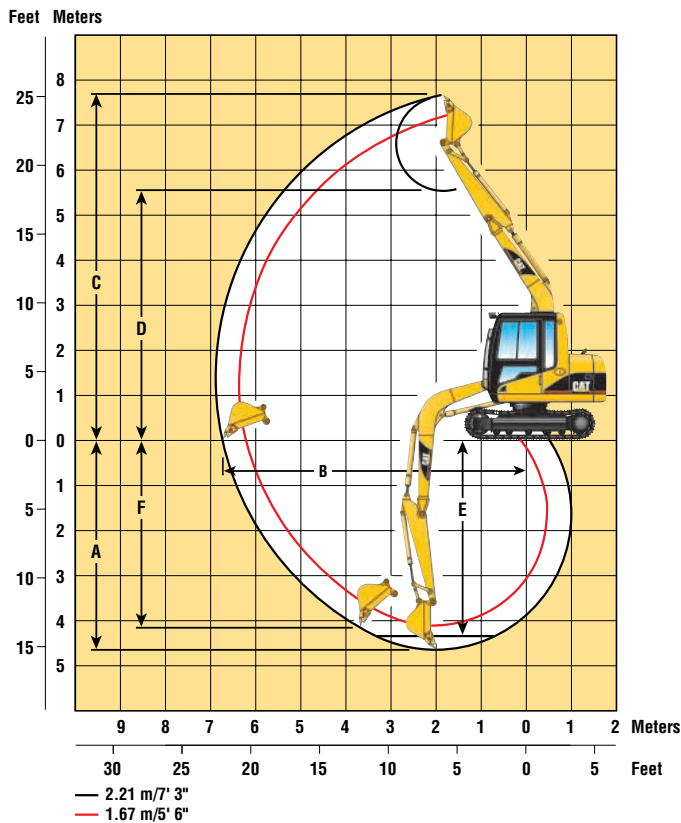
## Parallel Offset Boom

The optional parallel offset boom arrangement for the 307C enables the machine to dig outside the tracks alongside walls, fences and other obstacles. The offset range to the left is 1185 mm (3' 11") and to the right, the range is 1115 mm (3' 8").

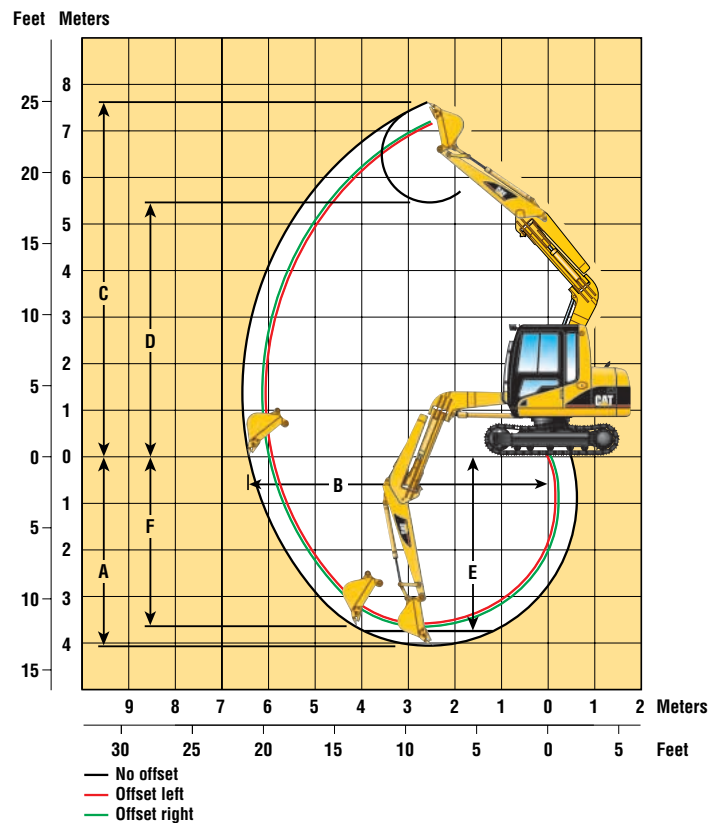


# 307C Working Ranges

## One-Piece Boom



## Parallel Offset Boom



## One-Piece Boom

Stick	1665 mm (5' 6") Stick	2210 mm (7' 3") Stick
<b>A</b> Maximum Digging Depth	4110 mm (13' 6")	4650 mm (15' 3")
<b>B</b> Maximum Reach at Ground Level	6200 mm (20' 4")	6720 mm (22' 1")
<b>C</b> Maximum Cutting Height	7290 mm (23' 11")	7690 mm (25' 3")
<b>D</b> Maximum Loading Height	5150 mm (16' 11")	5560 mm (18' 3")
<b>E</b> Digging Depth at 2440 mm (8') flat floor	3770 mm (12' 4")	4350 mm (14' 3")
<b>F</b> Maximum Vertical Wall Digging Depth	3640 mm (11' 11")	4160 mm (13' 8")

## Digging Forces

Stick	3560 kg (7850 lb)	3130 kg (6900 lb)
Bucket	4460 kg (9830 lb)	4460 kg (9830 lb)

## Parallel Offset Boom and 1665 mm (5' 6") Stick

Boom Position	No Offset	Fully Offset Left	Fully Offset Right
<b>A</b> Maximum Digging Depth	4090 mm (13' 5")	3590 mm (11' 9")	3660 mm (12' 0")
<b>B</b> Maximum Reach at Ground Level	6420 mm (21' 1")	5910 mm (19' 5")	5980 mm (19' 7")
<b>C</b> Maximum Cutting Height	7600 mm (24' 11")	7160 mm (23' 6")	7220 mm (23' 8")
<b>D</b> Maximum Loading Height	5460 mm (17' 11")	5030 mm (16' 6")	5090 mm (16' 8")
<b>E</b> Digging Depth at 2440 mm (8') flat floor	3740 mm (12' 3")	3250 mm (10' 8")	3320 mm (10' 11")
<b>F</b> Maximum Vertical Wall Digging Depth	3630 mm (11' 11")	3130 mm (10' 3")	3200 mm (10' 6")

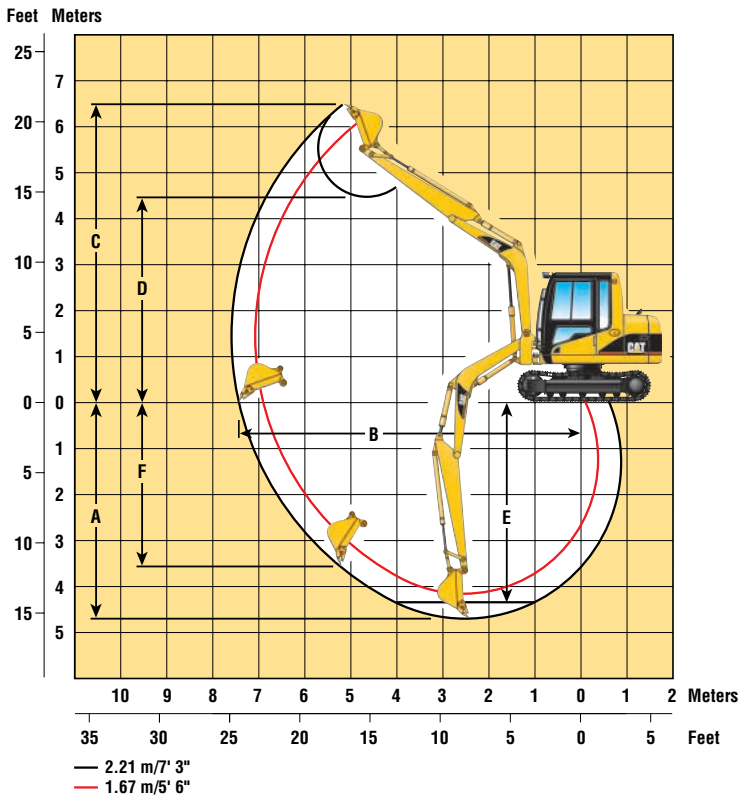
## Digging Forces

Stick	3560 kg (7850 lb)	3560 kg (7850 lb)	3560 kg (7850 lb)
Bucket	4460 kg (9830 lb)	4460 kg (9830 lb)	4460 kg (9830 lb)



# 307C Swing Boom Working Ranges

## Swing Boom



## Swing Boom

Stick	1665 mm (5' 6") Stick	2210 mm (7' 3") Stick
<b>A</b> Maximum Digging Depth	4160 mm (13' 8")	4700 mm (15' 5")
<b>B</b> Maximum Reach at Ground Level	6890 mm (22' 7")	7420 mm (24' 4")
<b>C</b> Maximum Cutting Height	6180 mm (20' 3")	6490 mm (21' 4")
<b>D</b> Maximum Loading Height	4160 mm (13' 8")	4450 mm (14' 7")
<b>E</b> Digging Depth at 2440 mm (8') flat floor	3760 mm (12' 4")	4340 mm (14' 3")
<b>F</b> Maximum Vertical Wall Digging Depth	3000 mm (9'10")	3580 mm (11' 9")
<b>Digging Forces</b>		
Stick	3560 kg (7850 lb)	3130 kg (6900 lb)
Bucket	4460 kg (9830 lb)	4460 kg (9830 lb)

## Track

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

	Track Width	Ground Pressure
<b>307C</b>		
Standard	450 mm (18")	30 kPa
	triple grouser	(4.35 psi)
	600 mm (24")	23 kPa
	triple grouser	(3.34 psi)
Optional	450 mm (18")	31 kPa
	segment	(4.50 psi)
	rubber track	
<b>307C SB</b>		
Standard	450 mm (18")	36 kPa
	triple grouser	(5.22 psi)
	600 mm (24")	27 kPa
	triple grouser	(3.92 psi)
Optional	450 mm (18")	36 kPa
	segment	(5.22 psi)
	rubber track	

**NOTE:** 770 mm (30") and 800 mm (31.5") shoes are available as custom attachments

## Operating Weights

<b>307C with 450 mm (18") shoes</b>	<b>Medium Stick</b>	<b>Long Stick</b>
With one-piece boom	6490 kg (14,308 lb)	6530 kg (14,396 lb)
With parallel offset boom	6970 kg (15,366 lb)	N/A

<b>307C SB with 450 mm (18") shoes</b>	<b>Medium Stick</b>	<b>Long Stick</b>
Weight	7660 kg (16,887 lb)	7710 kg (16,998 lb)

### Major Attachment Weights - 307C and 307C SB

Blade 2300 mm	+ 500 kg (1102 lb)
Blade 2400 mm	+ 510 kg (1124 lb)
600 mm (24") steel shoes	+ 170 kg (375 lb)
450 mm (18") segmented rubber track	+ 43 kg (95 lb)
Swivel Guard	+ 17 kg (37 lb)
Single-function auxiliary hydraulics	+ 13 kg (29 lb)
Boom lines	+ 31 kg (68 lb)
Stick lines	+ 15 kg (33 lb)

## Buckets

Buckets have tapered sides, angled corner teeth, dual radius curvature, horizontal wear strips, and holes for optional side cutters.

				<b>Recommended Maximum Material Density</b>			
<b>Width</b>		<b>Capacity</b>		<b>Medium Stick</b>		<b>Long Stick</b>	
<b>mm</b>	<b>in</b>	<b>m³</b>	<b>yd³</b>	<b>kg/m³</b>	<b>lbs/yd³</b>	<b>kg/m³</b>	<b>lbs/yd³</b>
460	18	0.15	0.2	1800	3000	1800	3000
610	24	0.23	0.3	1800	3000	1800	3000
760	30	0.31	0.4	1800	3000	1500	2500
910	36	0.34	0.45	1500	2500	1200	2200

### Material Densities

<b>Material</b>	<b>kg/m³*</b>	<b>lb/yd³**</b>	<b>Material</b>	<b>kg/m³*</b>	<b>lb/yd³**</b>
Clay, dry	1480	2500	Gravel, pit run	1930	3250
Clay, wet	1660	2800	Rock/dirt, 50%	1720	2900
Earth, dry	1510	2550	Sand, dry	1420	2400
Earth, wet	1600	2700	Sand, wet	1840	3100
Loam	1250	2100	Sand & Clay	1600	2700
Gravel, dry	1510	2550	Stone, crushed	1600	2700
Gravel, wet	2020	3400	Top soil	950	1600

\* kilograms per loose cubic meter

\*\* pounds per loose cubic yard

For densities of other materials see Caterpillar Performance Handbook



## 307C One-Piece Boom (Without Blade) Lift Capacities



Load Point  
Height



Load at  
Maximum Reach













Load Radius  
Over Front



Load Radius  
Over Side

**STICK** – 1.67 m (5' 6")  
**BUCKET** – 750 mm (30")











**SHOES** – 450 mm (18") triple grouser

		1.5 m (5.0 ft)		3.0 m (10.0 ft)		4.5 m (15.0 ft)				m ft
										
6.0 m 20.0 ft	kg lb							*700 *1600	*700 *1600	3.70 11.62
4.5 m 15.0 ft	kg lb			*1800 *3900	*1800 *3900			*600 *1250	*600 *1250	5.25 17.07
3.0 m 10.0 ft	kg lb			*2300 *4950	*2300 *4950	1500 3200	1250 2600	*550 *1200	*550 *1200	5.93 19.40
1.5 m 5.0 ft	kg lb			2750 5850	2200 4700	1450 3050	1150 2500	*600 *1300	*600 *1300	6.08 19.97
Ground Line	kg lb			2550 5450	2050 4350	1350 2900	1100 2350	*700 *1500	*700 *1500	5.78 18.97
-1.5 m -5.0 ft	kg lb	*3700 *8350	*3700 *8350	2550 5400	2000 4300	1350 2900	1100 2350	*900 *2000	*900 *2000	4.93 16.10
-3.0 m -10.0 ft	kg lb			*2000 *4050	*2000 *4050			*1700 *3650	*1700 *3650	3.26 10.48

\* Indicates that the load is limited by hydraulic capacity rather than tipping capacity. Lift capacity ratings are based on SAE standard J1097. Rated loads do not exceed 87% of hydraulic lifting capacity or 75% of tipping capacity.

**STICK** – 1.67 m (5' 6")  
**BUCKET** – 750 mm (30")

**SHOES** – 600 mm (24") triple grouser

		1.5 m (5.0 ft)		3.0 m (10.0 ft)		4.5 m (15.0 ft)				m ft
										
6.0 m 20.0 ft	kg lb							*700 *1600	*700 *1600	3.70 11.62
4.5 m 15.0 ft	kg lb			*1800 *3900	*1800 *3900			*600 *1250	*600 *1250	5.25 17.07
3.0 m 10.0 ft	kg lb			*2300 *4950	*2300 *4950	1550 3250	1250 2700	*550 *1200	*550 *1200	5.93 19.40
1.5 m 5.0 ft	kg lb			2800 6000	2250 4800	1450 3100	1200 2550	*600 *1300	*600 *1300	6.08 19.97
Ground Line	kg lb			2650 5600	2100 4450	1400 3000	1150 2400	*700 *1500	*700 *1500	5.78 18.97
-1.5 m -5.0 ft	kg lb	*3700 *8350	*3700 *8350	2600 5550	2050 4400	1400 2950	1150 2400	*900 *2000	*900 *2000	4.93 16.10
-3.0 m -10.0 ft	kg lb			*2000 *4050	*2000 *4050			*1700 *3650	*1700 *3650	3.26 10.48

\* Indicates that the load is limited by hydraulic capacity rather than tipping capacity. Lift capacity ratings are based on SAE standard J1097. Rated loads do not exceed 87% of hydraulic lifting capacity or 75% of tipping capacity.

## 307C One-Piece Boom (Without Blade) Lift Capacities



Load Point  
Height



Load at  
Maximum Reach



Load Radius  
Over Front













Load Radius  
Over Side

**STICK** – 2.21 m (7' 3")

**SHOES** – 450 mm (18") triple grouser

**BUCKET** – 600 mm (24")











	1.5 m (5.0 ft)		3.0 m (10.0 ft)		4.5 m (15.0 ft)				m ft
									
6.0 m 20.0 ft	kg lb						*750 *1650	*750 *1650	4.57 14.60
4.5 m 15.0 ft	kg lb				*1450 *3200	1300 2750	*650 *1400	*650 *1400	5.85 19.05
3.0 m 10.0 ft	kg lb			*1900 *4100	*1900 *4100	1500 3250	*650 *1350	*650 *1350	6.45 21.12
1.5 m 5.0 ft	kg lb			2800 5950	2250 4800	1450 3050	1150 2500	*650 *1450	6.59 21.64
Ground Line	kg lb			2550 5450	2050 4350	1350 2900	1100 2300	*750 *1650	6.32 20.74
-1.5 m -5.0 ft	kg lb	*3050 *6800	*3050 *6800	2500 5300	1950 4200	1300 2800	1050 2250	*950 *2100	5.57 18.21
-3.0 m -10.0 ft	kg lb	*4500 *9650	*4500 *9650	2550 5400	2000 4300			*1200 *2550	4.02 12.99

\* Indicates that the load is limited by hydraulic capacity rather than tipping capacity. Lift capacity ratings are based on SAE standard J1097. Rated loads do not exceed 87% of hydraulic lifting capacity or 75% of tipping capacity.

**STICK** – 2.21 m (7' 3")

**SHOES** – 600 mm (24") triple grouser

**BUCKET** – 600 mm (24")

	1.5 m (5.0 ft)		3.0 m (10.0 ft)		4.5 m (15.0 ft)				m ft
									
6.0 m 20.0 ft	kg lb						*750 *1650	*750 *1650	4.57 14.60
4.5 m 15.0 ft	kg lb				*1450 *3200	1350 2850	*650 *1400	*650 *1400	5.85 19.05
3.0 m 10.0 ft	kg lb			*1900 *4100	*1900 *4100	1550 3300	*650 *1350	*650 *1350	6.45 21.12
1.5 m 5.0 ft	kg lb			*2800 *6000	2300 4900	1450 3150	1200 2550	*650 *1450	6.59 21.64
Ground Line	kg lb			2600 5600	2100 4450	1400 2950	1100 2400	*750 *1650	6.32 20.74
-1.5 m -5.0 ft	kg lb	*3050 *6800	*3050 *6800	2550 5450	2000 4300	1350 2900	1100 2300	*950 *2100	5.57 18.21
-3.0 m -10.0 ft	kg lb	*4500 *9650	*4500 *9650	2600 *5500	2050 4400			*1200 *2550	4.02 12.99

\* Indicates that the load is limited by hydraulic capacity rather than tipping capacity. Lift capacity ratings are based on SAE standard J1097. Rated loads do not exceed 87% of hydraulic lifting capacity or 75% of tipping capacity.



## 307C One-Piece Boom (With Blade Down) Lift Capacities



Load Point  
Height



Load at  
Maximum Reach



Load Radius  
Over Front



Load Radius  
Over Side

**STICK** – 1.67 m (5' 6")  
**BUCKET** – 750 mm (30")

**SHOES** – 450 mm (18") triple grouser

		1.5 m (5.0 ft)		3.0 m (10.0 ft)		4.5 m (15.0 ft)				m ft
6.0 m 20.0 ft	kg lb							*700 *1600	*700 *1600	3.70 11.62
4.5 m 15.0 ft	kg lb			*1800 *3900	*1800 *3900			*600 *1250	*600 *1250	5.25 17.07
3.0 m 10.0 ft	kg lb			*2300 *4950	*2300 *4950	*1850 *4050	1300 2800	*550 *1200	*550 *1200	5.93 19.40
1.5 m 5.0 ft	kg lb			*3150 *6750	2350 5000	*2100 *4550	1250 2650	*600 *1300	*600 *1300	6.08 19.97
Ground Line	kg lb			*3500 *7600	2200 4650	*2250 *4900	1200 2550	*700 *1500	*700 *1500	5.78 18.97
-1.5 m -5.0 ft	kg lb	*3700 *8350	*3700 *8350	*3250 *7000	2150 4600	*2000 *4050	1200 2500	*900 *2000	*900 *2000	4.93 16.10
-3.0 m -10.0 ft	kg lb			*2000 *4050	*2000 *4050			*1700 *3650	*1700 *3650	3.26 10.48

\* Indicates that the load is limited by hydraulic capacity rather than tipping capacity. Lift capacity ratings are based on SAE standard J1097. Rated loads do not exceed 87% of hydraulic lifting capacity or 75% of tipping capacity.

**STICK** – 1.67 m (5' 6")  
**BUCKET** – 750 mm (30")

**SHOES** – 600 mm (24") triple grouser

		1.5 m (5.0 ft)		3.0 m (10.0 ft)		4.5 m (15.0 ft)				m ft
6.0 m 20.0 ft	kg lb							*700 *1600	*700 *1600	3.70 11.62
4.5 m 15.0 ft	kg lb			*1800 *3900	*1800 *3900			*600 *1250	*600 *1250	5.25 17.07
3.0 m 10.0 ft	kg lb			*2300 *4950	*2300 *4950	*1850 *4050	1350 2850	*550 *1200	*550 *1200	5.93 19.40
1.5 m 5.0 ft	kg lb			*3150 *6750	2400 5150	*2100 *4550	1300 2750	*600 *1300	*600 *1300	6.08 19.97
Ground Line	kg lb			*3500 *7600	2250 4800	*2250 *4900	1200 2600	*700 *1500	*700 *1500	5.78 18.97
-1.5 m -5.0 ft	kg lb	*3700 *8350	*3700 *8350	*3250 *7000	2200 4750	*2000 *4050	1200 2600	*900 *2000	*900 *2000	4.93 16.10
-3.0 m -10.0 ft	kg lb			*2000 *4050	*2000 *4050			*1700 *3650	*1700 *3650	3.26 10.48

\* Indicates that the load is limited by hydraulic capacity rather than tipping capacity. Lift capacity ratings are based on SAE standard J1097. Rated loads do not exceed 87% of hydraulic lifting capacity or 75% of tipping capacity.

## 307C One-Piece Boom (With Blade Down) Lift Capacities



Load Point  
Height



Load at  
Maximum Reach



Load Radius  
Over Front













Load Radius  
Over Side

**STICK** – 2.21 m (7' 3")

**SHOES** – 450 mm (18") triple grouser

**BUCKET** – 600 mm (24")











	1.5 m (5.0 ft)		3.0 m (10.0 ft)		4.5 m (15.0 ft)				m ft
									
6.0 m 20.0 ft	kg lb						*750 *1650	*750 *1650	4.57 14.60
4.5 m 15.0 ft	kg lb				*1450 *3200	1400 2950	*650 *1400	*650 *1400	5.85 19.05
3.0 m 10.0 ft	kg lb			*1900 *4100	*1900 *4100	*1650 *3550	1350 2850	*650 *1350	6.45 21.12
1.5 m 5.0 ft	kg lb			*2800 *6000	2400 5100	*1950 *4200	1250 2700	*650 *1450	6.59 21.64
Ground Line	kg lb			*3400 *7350	2200 4650	*2200 *4750	1200 2500	*750 *1650	6.32 20.74
-1.5 m -5.0 ft	kg lb	*3050 *6800	*3050 *6800	*3350 *7250	2100 4500	*2150 *4600	1150 2450	*950 *2100	5.57 18.21
-3.0 m -10.0 ft	kg lb	*4500 *9650	*4500 *9650	*2600 *5500	2150 4600			*1200 *2550	4.02 12.99

\* Indicates that the load is limited by hydraulic capacity rather than tipping capacity. Lift capacity ratings are based on SAE standard J1097. Rated loads do not exceed 87% of hydraulic lifting capacity or 75% of tipping capacity.

**STICK** – 2.21 m (7' 3")

**SHOES** – 600 mm (24") triple grouser

**BUCKET** – 600 mm (24")

	1.5 m (5.0 ft)		3.0 m (10.0 ft)		4.5 m (15.0 ft)				m ft
									
6.0 m 20.0 ft	kg lb						*750 *1650	*750 *1650	4.57 14.60
4.5 m 15.0 ft	kg lb				*1450 *3200	1400 3000	*650 *1400	*650 *1400	5.85 19.05
3.0 m 10.0 ft	kg lb			*1900 *4100	*1900 *4100	*1650 *3550	1350 2900	*650 *1350	6.45 21.12
1.5 m 5.0 ft	kg lb			*2800 *6000	2450 5250	*1950 *4200	1300 2750	*650 *1450	6.59 21.64
Ground Line	kg lb			*3400 *7550	2250 4800	*2200 *4750	1200 2600	*750 *1650	6.32 20.74
-1.5 m -5.0 ft	kg lb	*3050 *6800	*3050 *6800	*3350 *7250	2150 4650	*2150 *4600	1150 2500	*950 *2100	5.57 18.21
-3.0 m -10.0 ft	kg lb	*4500 *9650	*4500 *9650	*2600 *5500	2200 4750			*1200 *2550	4.02 12.99

\* Indicates that the load is limited by hydraulic capacity rather than tipping capacity. Lift capacity ratings are based on SAE standard J1097. Rated loads do not exceed 87% of hydraulic lifting capacity or 75% of tipping capacity.

## 307C Swing Boom (Without Blade) Lift Capacities



Load Point  
Height



Load at  
Maximum Reach



Load Radius  
Over Front















Load Radius  
Over Side

**STICK** – 2.21 m (7' 3")

**SHOES** – 450 mm (18") triple grouser

**BUCKET** – 600 mm (24")













		1.5 m (5.0 ft)		3.0 m (10.0 ft)		4.5 m (15.0 ft)		6.0 m (20.0 ft)				m ft
												
4.5 m 15.0 ft	kg lb									*800 *1700	750 1600	6.59 21.47
3.0 m 10.0 ft	kg lb							1000 2150	800 1750	750 1600	600 1300	7.23 23.69
1.5 m 5.0 ft	kg lb					1550 3300	1250 2700	950 2050	800 1650	700 1500	550 1200	7.38 24.21
Ground Line	kg lb			2650 5700	2100 4450	1450 3050	1150 2450	950 1950	750 1550	700 1550	550 1250	7.07 23.19
-1.5 m -5.0 ft	kg lb	*2450 *5400	*2450 *5400	2650 5600	2050 4400	1400 3000	1100 2350			900 1900	700 1500	6.22 20.33
-3.0 m -10.0 ft	kg lb	*4500 *10,100	*4500 *10,100	2700 5800	2150 4550					1550 3550	1250 2850	4.36 13.99

\* Indicates that the load is limited by hydraulic capacity rather than tipping capacity. Lift capacity ratings are based on SAE standard J1097. Rated loads do not exceed 87% of hydraulic lifting capacity or 75% of tipping capacity.

**STICK** – 2.21 m (7' 3")

**SHOES** – 600 mm (24") triple grouser

**BUCKET** – 600 mm (24")

		1.5 m (5.0 ft)		3.0 m (10.0 ft)		4.5 m (15.0 ft)		6.0 m (20.0 ft)				m ft
												
4.5 m 15.0 ft	kg lb									*800 *1700	750 1650	6.59 21.47
3.0 m 10.0 ft	kg lb							1050 2200	850 1800	750 1650	600 1300	7.23 23.69
1.5 m 5.0 ft	kg lb					1600 3400	1300 2750	1000 2100	800 1700	700 1550	550 1200	7.38 24.21
Ground Line	kg lb			2700 5800	2150 4550	1500 3150	1200 2500	950 2000	750 1600	750 1600	600 1250	7.07 23.19
-1.5 m -5.0 ft	kg lb	*2450 *5400	*2450 *5400	2700 5750	2100 4500	1450 3050	1150 2450			900 1950	700 1550	6.22 20.33
-3.0 m -10.0 ft	kg lb	*4500 *10,100	*4500 *10,100	2750 5900	2200 4650					1600 3650	1300 2950	4.36 13.99

\* Indicates that the load is limited by hydraulic capacity rather than tipping capacity. Lift capacity ratings are based on SAE standard J1097. Rated loads do not exceed 87% of hydraulic lifting capacity or 75% of tipping capacity.



## 307C Swing Boom (Without Blade) Lift Capacities



Load Point  
Height



Load at  
Maximum Reach



Load Radius  
Over Front















Load Radius  
Over Side

**STICK** – 1.67 m (5' 6")

**SHOES** – 450 mm (18") triple grouser

**BUCKET** – 750 mm (30")













		1.5 m (5.0 ft)		3.0 m (10.0 ft)		4.5 m (15.0 ft)		6.0 m (20.0 ft)				m ft
												
4.5 m 15.0 ft	kg lb									*800 *1750	*800 *1750	5.97 19.42
3.0 m 10.0 ft	kg lb					*1400 *2950	1350 2850			*800 *1700	700 1500	6.71 21.96
1.5 m 5.0 ft	kg lb					1550 3300	1250 2650	950 2050	800 1650	800 1700	650 1350	6.86 22.52
Ground Line	kg lb			2650 5700	2100 4500	1450 3100	1150 2500	950 2050	750 1650	850 1800	650 1450	6.52 21.38
-1.5 m -5.0 ft	kg lb	*3250 *7200	*3250 *7200	2700 5750	2100 4550	1450 3050	1150 2450			1100 2350	850 1900	5.53 18.07
-3.0 m -10.0 ft	kg lb			2800 6000	2250 4800					2100 4750	1700 3800	3.62 11.57

\* Indicates that the load is limited by hydraulic capacity rather than tipping capacity. Lift capacity ratings are based on SAE standard J1097. Rated loads do not exceed 87% of hydraulic lifting capacity or 75% of tipping capacity.

**STICK** – 1.67 m (5' 6")

**SHOES** – 600 mm (24") triple grouser

**BUCKET** – 750 mm (30")

		1.5 m (5.0 ft)		3.0 m (10.0 ft)		4.5 m (15.0 ft)		6.0 m (20.0 ft)				m ft
												
4.5 m 15.0 ft	kg lb									*800 *1750	*800 *1750	5.97 19.42
3.0 m 10.0 ft	kg lb					*1400 *2950	*1400 2950			*800 *1700	700 1500	6.71 21.96
1.5 m 5.0 ft	kg lb					1550 3350	1300 2750	1000 2100	800 1700	800 1750	650 1400	6.86 22.52
Ground Line	kg lb			2750 5850	2150 4600	1500 3200	1200 2550	950 2100	800 1700	850 1850	700 1500	6.52 21.38
-1.5 m -5.0 ft	kg lb	*3250 *7200	*3250 *7200	2750 5900	2200 4650	1450 3150	1200 2500			1100 2400	900 1950	5.53 18.07
-3.0 m -10.0 ft	kg lb			2900 6150	2300 4900					2150 4900	1700 3900	3.62 11.57

\* Indicates that the load is limited by hydraulic capacity rather than tipping capacity. Lift capacity ratings are based on SAE standard J1097. Rated loads do not exceed 87% of hydraulic lifting capacity or 75% of tipping capacity.

## 307C Swing Boom (With Blade Down) Lift Capacities



Load Point  
Height



Load at  
Maximum Reach



Load Radius  
Over Front



Load Radius  
Over Side

**STICK** – 2.21 m (7' 3")

**SHOES** – 450 mm (18") triple grouser

**BUCKET** – 600 mm (24")

		1.5 m (5.0 ft)		3.0 m (10.0 ft)		4.5 m (15.0 ft)		6.0 m (20.0 ft)				m ft
4.5 m 15.0 ft	kg lb									*800 *1700	*800 *1700	6.59 21.47
3.0 m 10.0 ft	kg lb							*1150 *2600	900 1850	*750 *1650	650 1400	7.23 23.69
1.5 m 5.0 ft	kg lb					*1750 *3750	1350 2900	*1450 *3150	850 1800	*800 *1800	600 1300	7.38 24.21
Ground Line	kg lb			*2800 *6550	2250 4800	*2500 *5350	1250 2650	*1750 *3800	800 1700	*950 *2100	600 1350	7.07 23.19
-1.5 m -5.0 ft	kg lb	*2450 *5400	*2450 *5400	*4550 *10,500	2200 4750	*2850 *6150	1200 2550			*1300 *2850	750 1650	6.22 20.33
-3.0 m -10.0 ft	kg lb	*4500 *10,100	*4500 *10,100	*4800 *10,200	2300 4900					*2150 *4700	1350 3050	4.36 13.99

\* Indicates that the load is limited by hydraulic capacity rather than tipping capacity. Lift capacity ratings are based on SAE standard J1097. Rated loads do not exceed 87% of hydraulic lifting capacity or 75% of tipping capacity.

**STICK** – 2.21 m (7' 3")

**SHOES** – 600 mm (24") triple grouser

**BUCKET** – 600 mm (24")

		1.5 m (5.0 ft)		3.0 m (10.0 ft)		4.5 m (15.0 ft)		6.0 m (20.0 ft)				m ft
4.5 m 15.0 ft	kg lb									*800 *1700	*800 *1700	6.59 21.47
3.0 m 10.0 ft	kg lb							*1150 *2600	900 1900	*750 *1650	650 1450	7.23 23.69
1.5 m 5.0 ft	kg lb					*1750 *3750	1400 2950	*1450 *3150	850 1850	*800 *1800	600 1350	7.38 24.21
Ground Line	kg lb			*2800 *6550	2300 4900	*2500 *5350	1300 2700	*1750 *3800	850 1750	*950 *2100	650 1400	7.07 23.19
-1.5 m -5.0 ft	kg lb	*2450 *5400	*2450 *5400	*4550 *10,500	2250 4850	*2850 *6150	1250 2650			*1300 *2850	800 1700	6.22 20.33
-3.0 m -10.0 ft	kg lb	*4500 *10,100	*4500 *10,100	*4800 *10,200	2350 5000					*2150 *4700	1400 3150	4.36 13.99

\* Indicates that the load is limited by hydraulic capacity rather than tipping capacity. Lift capacity ratings are based on SAE standard J1097. Rated loads do not exceed 87% of hydraulic lifting capacity or 75% of tipping capacity.

## 307C Swing Boom (With Blade Down) Lift Capacities



Load Point  
Height



Load at  
Maximum Reach



Load Radius  
Over Front



Load Radius  
Over Side

**STICK** – 1.67 m (5' 6")

**SHOES** – 450 mm (18") triple grouser

**BUCKET** – 750 mm (30")

		1.5 m (5.0 ft)		3.0 m (10.0 ft)		4.5 m (15.0 ft)		6.0 m (20.0 ft)				m ft
4.5 m 15.0 ft	kg lb									*800 *1750	*800 *1750	5.97 19.42
3.0 m 10.0 ft	kg lb					*1400 *2950	*1400 *2950			*800 *1700	750 1600	6.71 21.96
1.5 m 5.0 ft	kg lb					*2100 *4500	1350 2850	*1650 *3600	850 1800	*850 *1850	700 1450	6.86 22.52
Ground Line	kg lb			*2800 *6450	2250 4850	*2750 *5850	1250 2700	*1650 *3550	800 1800	*1050 *2250	700 1550	6.52 21.38
-1.5 m -5.0 ft	kg lb	*3250 *7200	*3250 *7200	*5400 *11550	2300 4850	*2900 *6250	1250 2650			*1500 *3250	950 2050	5.53 18.07
-3.0 m -10.0 ft	kg lb			*4100 *8550	2400 5100					*3050 *6750	1800 4100	3.62 11.57

\* Indicates that the load is limited by hydraulic capacity rather than tipping capacity. Lift capacity ratings are based on SAE standard J1097. Rated loads do not exceed 87% of hydraulic lifting capacity or 75% of tipping capacity.

**STICK** – 1.67 m (5' 6")

**SHOES** – 600 mm (24") triple grouser

**BUCKET** – 750 mm (30")

		1.5 m (5.0 ft)		3.0 m (10.0 ft)		4.5 m (15.0 ft)		6.0 m (20.0 ft)				m ft
4.5 m 15.0 ft	kg lb									*800 *1750	*800 *1750	5.97 19.42
3.0 m 10.0 ft	kg lb					*1400 *2950	*1400 *2950			*800 *1700	750 1650	6.71 21.96
1.5 m 5.0 ft	kg lb					*2100 *4500	1350 2900	*1650 *3600	850 1850	*850 *1850	700 1500	6.86 22.52
Ground Line	kg lb			*2800 *6450	2300 4950	*2750 *5850	1300 2750	*1650 *3550	850 1850	*1050 *2250	750 1600	6.52 21.38
-1.5 m -5.0 ft	kg lb	*3250 *7200	*3250 *7200	*5400 *11550	2350 5000	*2900 *6250	1250 2700			*1500 *3250	950 2100	5.53 18.07
-3.0 m -10.0 ft	kg lb			*4100 *8550	2450 5250					*3050 *6750	1850 4200	3.62 11.57

\* Indicates that the load is limited by hydraulic capacity rather than tipping capacity. Lift capacity ratings are based on SAE standard J1097. Rated loads do not exceed 87% of hydraulic lifting capacity or 75% of tipping capacity.



## 307C Offset Boom (Without Blade) Lift Capacities



Load Point  
Height



Load at  
Maximum Reach













Load Radius  
Over Front



Load Radius  
Over Side

**STICK** – 1.67 m (5' 6")  
**BUCKET** – 600 mm (24")











**SHOES** – 450 mm (18") triple grouser

		1.5 m (5.0 ft)		3.0 m (10.0 ft)		4.5 m (15.0 ft)				m ft
										
6.0 m 20.0 ft	kg lb			*1700 *3700	*1700 *3700			*950 *2050	*950 *2050	4.09 12.96
4.5 m 15.0 ft	kg lb			*1950 *4200	*1950 *4200	1500 3250	1250 2650	800 *1800	*800 *1800	5.51 17.92
3.0 m 10.0 ft	kg lb			*2400 *5150	2400 5100	1450 3050	1150 2450	*800 *1750	650 1400	6.15 20.12
1.5 m 5.0 ft	kg lb				5350 4200	1300 2800	1050 2200	750 1600	550 1200	6.30 20.66
Ground Line	kg lb			2250 4750	1700 3650	1200 2550	950 2000	750 1650	600 1250	6.01 19.70
-1.5 m -5.0 ft	kg lb	*3100 *6950	*3100 *6950	2200 4700	1700 3600	1150 2500	900 1950	950 2100	750 1650	5.19 16.98
-3.0 m -10.0 ft	kg lb				*1600 *3350			*1200 *2600	*1200 *2600	3.59 11.60

\* Indicates that the load is limited by hydraulic capacity rather than tipping capacity. Lift capacity ratings are based on SAE standard J1097. Rated loads do not exceed 87% of hydraulic lifting capacity or 75% of tipping capacity.

**STICK** – 1.67 m (5' 6")  
**BUCKET** – 600 mm (24")

**SHOES** – 600 mm (24") triple grouser

		1.5 m (5.0 ft)		3.0 m (10.0 ft)		4.5 m (15.0 ft)				m ft
										
6.0 m 20.0 ft	kg lb			*1700 *3700	*1700 *3700			*950 *2050	*950 *2050	4.09 12.96
4.5 m 15.0 ft	kg lb			*1950 *4200	*1950 *4200	1550 *3250	1250 2700	*800 *1800	*800 *1800	5.51 17.92
3.0 m 10.0 ft	kg lb			*2400 *5150	*2400 *5150	1500 3150	1200 2550	*800 *1750	650 1450	6.15 20.12
1.5 m 5.0 ft	kg lb				5500 4300	1350 2850	1050 2250	750 1650	600 1250	6.30 20.66
Ground Line	kg lb			2300 4900	1750 3750	1250 2650	950 2050	800 1700	600 1300	6.01 19.70
-1.5 m -5.0 ft	kg lb	*3100 *6950	*3100 *6950	2250 4850	1750 3700	1200 2600	950 2000	1000 2200	800 1700	5.19 16.98
-3.0 m -10.0 ft	kg lb				*1600 *3350			*1200 *2600	*1200 *2600	3.59 11.60

\* Indicates that the load is limited by hydraulic capacity rather than tipping capacity. Lift capacity ratings are based on SAE standard J1097. Rated loads do not exceed 87% of hydraulic lifting capacity or 75% of tipping capacity.

## 307C Offset Boom (With Blade Down) Lift Capacities



Load Point  
Height



Load at  
Maximum Reach



Load Radius  
Over Front



Load Radius  
Over Side

**STICK** – 1.67 m (5' 6")

**SHOES** – 450 mm (18") triple grouser

**BUCKET** – 600 mm (24")

		1.5 m (5.0 ft)		3.0 m (10.0 ft)		4.5 m (15.0 ft)				m ft
6.0 m 20.0 ft	kg lb			*1700 *3700	*1700 *3700			*950 *2050	*950 *2050	4.09 12.96
4.5 m 15.0 ft	kg lb			*1950 *4200	*1950 *4200	*1650 *3250	1350 2800	*800 *1800	*800 *1800	5.51 17.92
3.0 m 10.0 ft	kg lb			*2400 *5150	*2400 *5150	*1800 *3850	1250 2650	*800 *1750	700 1500	6.15 20.12
1.5 m 5.0 ft	kg lb			*6500 4500	*1950 4250	1150 2400	*850 *1900	600 1350		6.30 20.66
Ground Line	kg lb			*3150 *6800	1850 3950	*2050 *4350	1000 2150	*1000 *2200	650 1400	6.01 19.70
-1.5 m -5.0 ft	kg lb	*3100 *6950	*3100 *6950	*2750 *5900	1850 3900	*1750 *3750	1000 2100	*1200 *2650	800 1800	5.19 16.98
-3.0 m -10.0 ft	kg lb			*1600 *3350	*1600 *3350			*1200 *2600	*1200 *2600	3.59 11.60

\* Indicates that the load is limited by hydraulic capacity rather than tipping capacity. Lift capacity ratings are based on SAE standard J1097. Rated loads do not exceed 87% of hydraulic lifting capacity or 75% of tipping capacity.

**STICK** – 1.67 m (5' 6")

**SHOES** – 600 mm (24") triple grouser

**BUCKET** – 600 mm (24")

		1.5 m (5.0 ft)		3.0 m (10.0 ft)		4.5 m (15.0 ft)				m ft
6.0 m 20.0 ft	kg lb			*1700 *3700	*1700 *3700			*950 *2050	*950 *2050	4.09 12.96
4.5 m 15.0 ft	kg lb			*1950 *4200	*1950 *4200	*1650 *3250	1350 2900	*800 *1800	*800 *1800	5.51 17.92
3.0 m 10.0 ft	kg lb			*2400 *5150	*2400 *5150	*1800 *3850	1300 2750	*800 *1750	700 1550	6.15 20.12
1.5 m 5.0 ft	kg lb			*6500 4600	*1950 4250	1150 2450	*850 *1900	650 1400		6.30 20.66
Ground Line	kg lb			*3150 *6800	1900 4100	*2050 *4350	1050 2250	*1000 *2200	650 1450	6.01 19.70
-1.5 m -5.0 ft	kg lb	*3100 *6950	*3100 *6950	*2750 *5900	1900 4000	*1750 *3750	1050 2200	*1200 *2650	850 1850	5.19 16.98
-3.0 m -10.0 ft	kg lb			*1600 *3350	*1600 *3350			*1200 *2600	*1200 *2600	3.59 11.60

\* Indicates that the load is limited by hydraulic capacity rather than tipping capacity. Lift capacity ratings are based on SAE standard J1097. Rated loads do not exceed 87% of hydraulic lifting capacity or 75% of tipping capacity.

## Standard Equipment

*Standard and optional equipment may vary. Consult your Caterpillar dealer for specifics.*

Alternator, 35-amp  
Boom lowering device (accumulator)  
Boom drift reducing valve  
Brake, automatic swing holding  
Cab, sound suppressed, includes:  
- adjustable arm rest  
- air conditioner with defroster  
- antenna  
- ash tray  
- beverage holder  
- cigar lighter  
- coat hook  
- dial-type throttle  
- floor mat  
- horn, front  
- hydraulic system neutralizing lever  
- joysticks, pilot-operated  
- KAB 528P/C seat with suspension, four way adjustable without head rest  
- lighting, interior  
- literature compartment  
- monitoring system  
- openable front window  
- radio, AM/FM stereo  
- removable lower windshield with storage bracket inside cab  
- roof hatch  
- seat belt  
- travel control levers

Counterweight  
Door and cap locks, one key  
Fully opening rear hood  
Hydraulic valve port, auxiliary  
Light:  
- frame, right-side  
- boom, left  
Mirror, right-hand side  
One touch low idle  
Pillar mounted wiper  
Reverse swing damping valve  
Straight travel circuit  
Tool box  
Track, 450 mm (18") shoes  
Track guiding guards, idlers  
Two-speed travel  
Windows:  
- main windshield wiper and washer  
- right and rear windows, polycarbonate  
- sliding door window, tempered glass  
- windshield, two-piece:  
- upper, retractable laminated glass  
- lower, tempered glass



## Optional Equipment

*Standard and optional equipment may vary. Consult your Caterpillar dealer for specifics.*

Alarm, travel

Blade:

- 2300 mm (7'6")

- 2400 mm (7'10")

Boom, power offset

Boom, one-piece

Boom, swing

Buckets

Bucket linkage

Cab fan

Control Pattern Changer SAE/BHL

Coolant, extended life

Cooling package, high ambient

Guards:

- Falling Objects Guard System

- swivel

- front windshield

- vandalism protection

Hydraulic arrangements, auxiliary:

- single-function capability

- double-function capability

- combined single and double function capability

- quick coupler hydraulics

Hydraulic lines, auxiliary:

- sticks

- boom

- quick coupler

Lights:

- boom, right

- working, cab-mounted (2)

Mirror, cab left

Power Supply, 12V 5Amp

Rain protector, cab front

Side cutters

Seats, suspension:

- KAB T1P/C vinyl seat without suspension, head rest

- KAB 527P/C high back seat with suspension, console

- adjustment, head rest

- headrest for KAB 528P/C, T8P/C

Secondary exit, rear window (mandatory in certain countries)

Starting kit, cold weather

Stick:

- 2210 mm (7'3")

- 1665 mm (5'6")

Sun visor, windshield

Track, 600 mm (24") shoes

Track, 450 mm (18"), segment rubber

Travel pedals

Water separator, fuel line



# 307C Hydraulic Excavators

For more complete information on Cat products, dealer services,  
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AEHQ5535-01 (10-05)  
(Replaces AEHQ5535)

