

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

Engine

Engine Model 4M40E1

Flywheel Power 41 kW 54 hp

Swing Mechanism

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

*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.

Engine

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

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

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

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.



Front Linkage

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

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**

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 450 mm (18") 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.

SAFETY.CAT.COM™.

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 ³ |

- 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 |
|------------------|---------|-----------|

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 |
|----------|------------------------------|

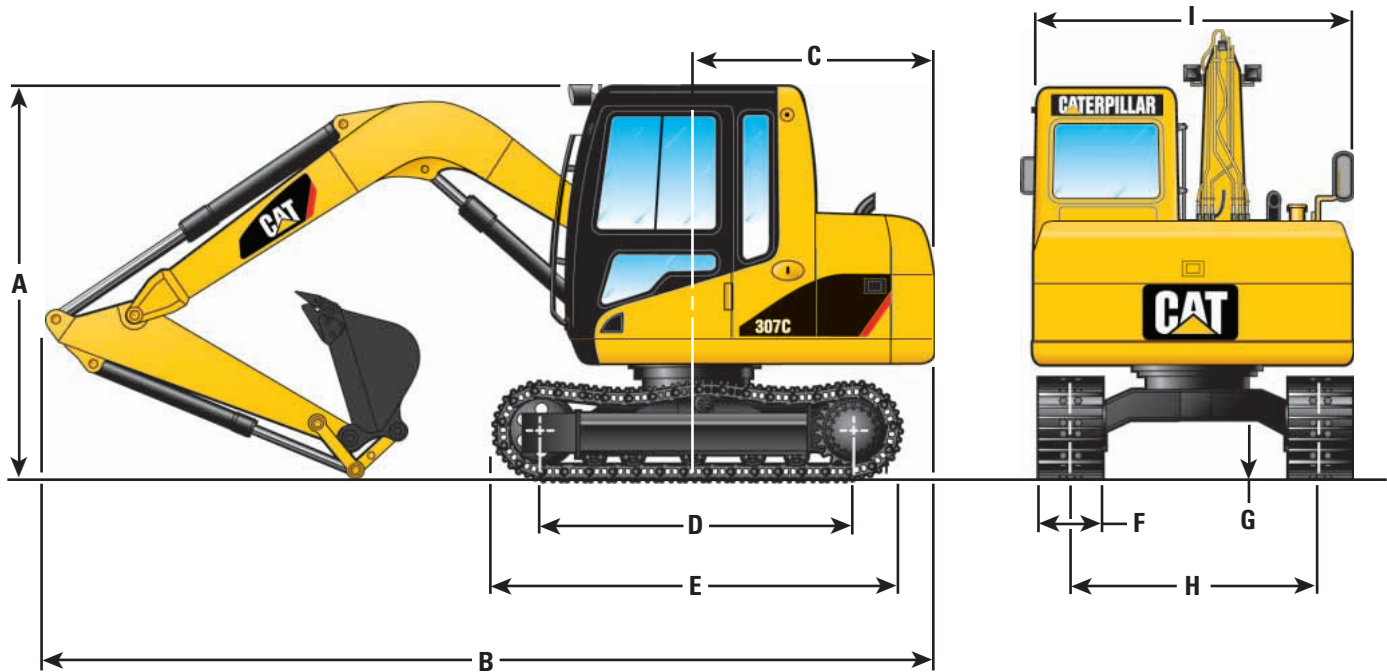
Sound Performance

The operator sound exposure L_{eq} (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.

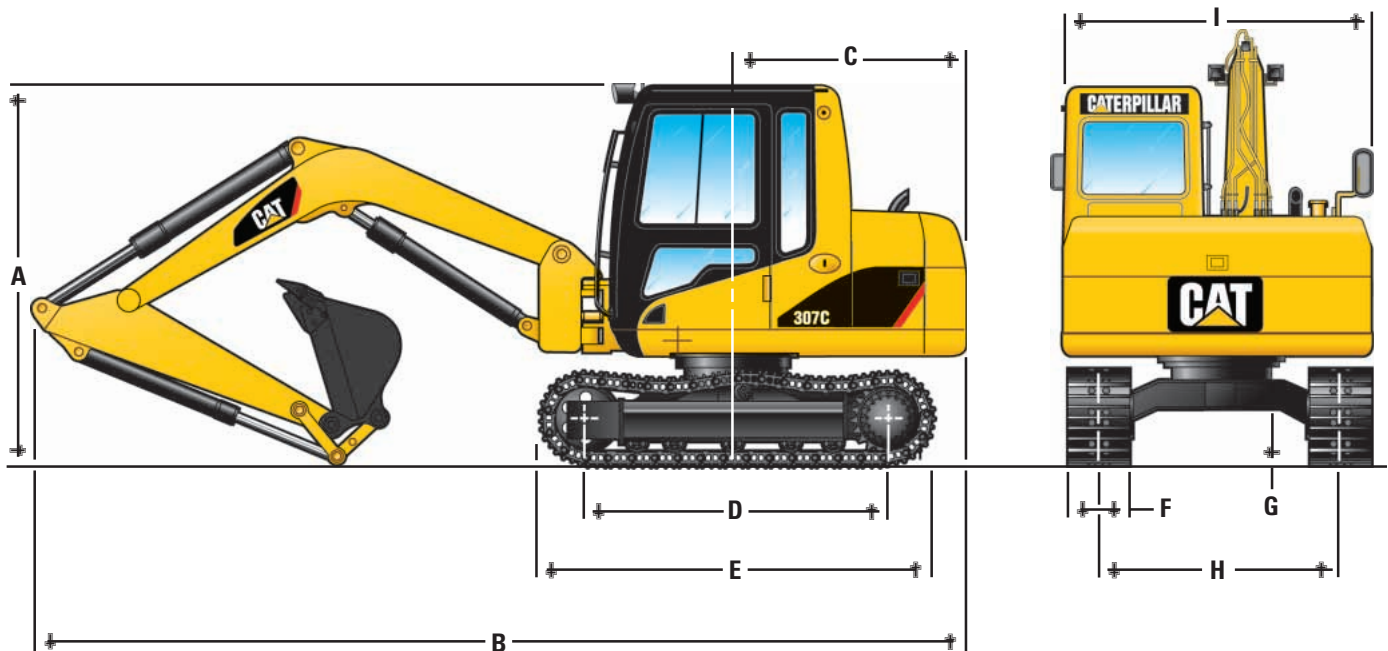


| | |
|---------------------------------------|-------------------|
| A Shipping height* | 2630 mm (8' 8") |
| B Shipping length | 6070 mm (19' 11") |
| C Tail swing radius | 1750 mm (5' 9") |
| D Length to centers of rollers | 2120 mm (6' 11") |
| E Track length | 2760 mm (9' 1") |
| F Track shoe width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

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

307C Swing Boom Dimensions

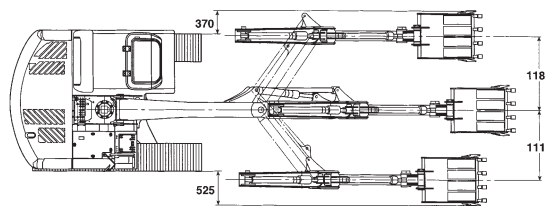
All dimensions are approximate. Machine dimensions are shown using a 1665 mm (5' 6") stick and 450 mm (18") shoes.



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

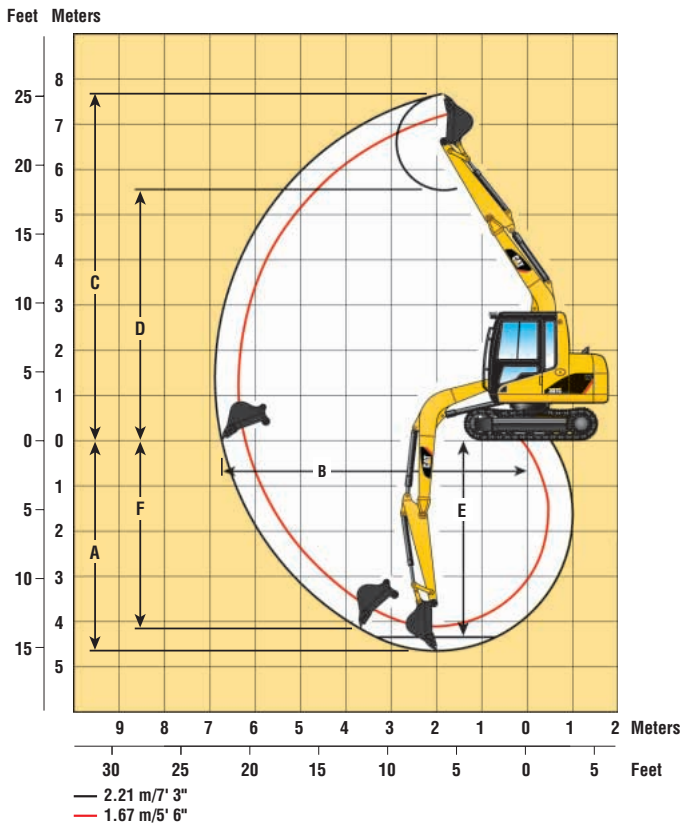
Parallel Offset Boom

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").

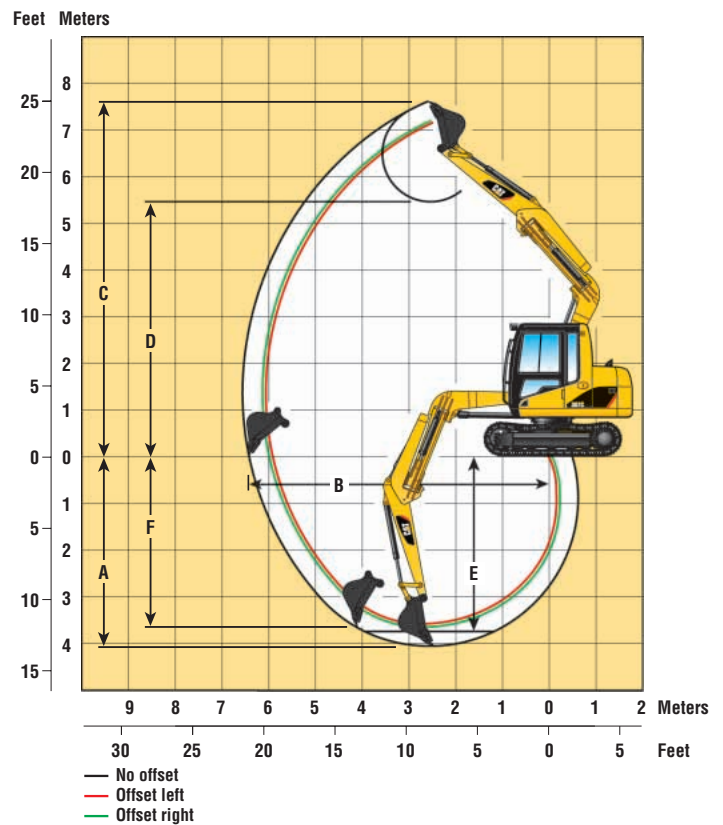


307C Working Ranges

One-Piece Boom



Parallel Offset Boom



One-Piece Boom

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

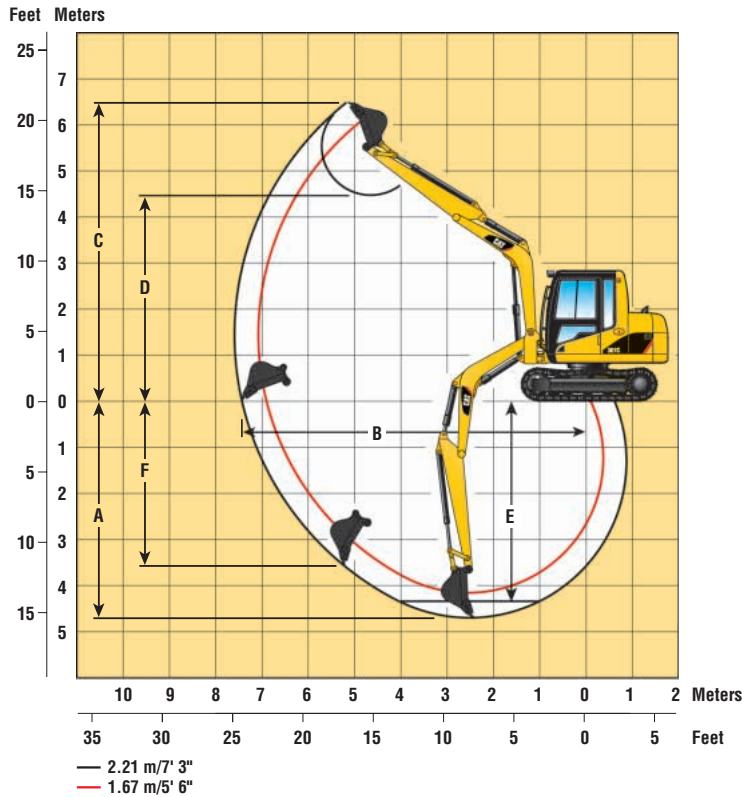
| Boom Position | No Offset | Fully Offset Left | Fully Offset Right |
|---|-------------------|-------------------|--------------------|
| A Maximum Digging Depth | 4090 mm (13' 5") | 3590 mm (11' 9") | 3660 mm (12' 0") |
| B Maximum Reach at Ground Level | 6420 mm (21' 1") | 5910 mm (19' 5") | 5980 mm (19' 7") |
| C Maximum Cutting Height | 7600 mm (24' 11") | 7160 mm (23' 6") | 7220 mm (23' 8") |
| D Maximum Loading Height | 5460 mm (17' 11") | 5030 mm (16' 6") | 5090 mm (16' 8") |
| E Digging Depth at 2440 mm (8') flat floor | 3740 mm (12' 3") | 3250 mm (10' 8") | 3320 mm (10' 11") |
| F 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 |
|---|-----------------------|-----------------------|
| A Maximum Digging Depth | 4160 mm (13' 8") | 4700 mm (15' 5") |
| B Maximum Reach at Ground Level | 6890 mm (22' 7") | 7420 mm (24' 4") |
| C Maximum Cutting Height | 6180 mm (20' 3") | 6490 mm (21' 4") |
| D Maximum Loading Height | 4160 mm (13' 8") | 4450 mm (14' 7") |
| E Digging Depth at 2440 mm (8') flat floor | 3760 mm (12' 4") | 4340 mm (14' 3") |
| F Maximum Vertical Wall Digging Depth | 3000 mm (9'10") | 3580 mm (11' 9") |

Digging Forces

| | | |
|--------|-------------------|-------------------|
| 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 |
|----------------|-----------------------------------|-------------------|
| 307C | | |
| Standard | 450 mm (18") triple grouser | 30 kPa (4.35 psi) |
| | 600 mm (24") triple grouser | 23 kPa (3.34 psi) |
| Optional | 450 mm (18") segment rubber track | 31 kPa (4.50 psi) |
| | | |
| 307C SB | | |
| Standard | 450 mm (18") triple grouser | 36 kPa (5.22 psi) |
| | 600 mm (24") triple grouser | 27 kPa (3.92 psi) |
| Optional | 450 mm (18") segment rubber track | 36 kPa (5.22 psi) |
| | | |

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

Operating Weights

| 307C with 450 mm (18") shoes | Medium Stick | Long Stick |
|-------------------------------------|---------------------|---------------------|
| 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 |

| 307C SB with 450 mm (18") shoes | Medium Stick | Long Stick |
|--|---------------------|---------------------|
| 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.

| Width mm | in | Capacity m ³ yd ³ | | Recommended Maximum Material Density | | | |
|-------------|----|--|------|--------------------------------------|---------------------|-------------------|---------------------|
| | | | | Medium Stick | | Long Stick | |
| | | | | kg/m ³ | lbs/yd ³ | kg/m ³ | lbs/yd ³ |
| 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

| Material | kg/m ³ * | lb/yd ³ ** | Material | kg/m ³ * | lb/yd ³ ** |
|-------------|---------------------|-----------------------|-----------------|---------------------|-----------------------|
| 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")
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 | | | | | | *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 | 1250 2650 | *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 | 600 1300 | 6.59 21.64 | |
| Ground Line | kg lb | | 2550 5450 | 2050 4350 | 1350 2900 | 1100 2300 | *750 *1650 | 650 1350 | 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 | 800 1700 | 5.57 18.21 |
| -3.0 m -10.0 ft | kg lb | *4500 *9650 | *4500 *9650 | 2550 5400 | 2000 4300 | | | *1200 *2550 | *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")
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 | | | | | | *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 | 1300 2750 | *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 | 650 1350 | 6.59 21.64 | |
| Ground Line | kg lb | | 2600 5600 | 2100 4450 | 1400 2950 | 1100 2400 | *750 *1650 | 650 1400 | 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 | 800 1750 | 5.57 18.21 |
| -3.0 m -10.0 ft | kg lb | *4500 *9650 | *4500 *9650 | 2600 *5500 | 2050 4400 | | | *1200 *2550 | *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")
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 | | | | | | *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 | *650 *1350 | 6.45 21.12 | |
| 1.5 m 5.0 ft | kg lb | | *2800 *6000 | 2400 5100 | *1950 *4200 | 1250 2700 | *650 *1450 | *650 *1450 | 6.59 21.64 | |
| Ground Line | kg lb | | *3400 *7350 | 2200 4650 | *2200 *4750 | 1200 2500 | *750 *1650 | 700 1500 | 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 | 850 1850 | 5.57 18.21 |
| -3.0 m -10.0 ft | kg lb | *4500 *9650 | *4500 *9650 | *2600 *5500 | 2150 4600 | | | *1200 *2550 | *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")
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 | | | | | | *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 | *650 *1350 | 6.45 21.12 | |
| 1.5 m 5.0 ft | kg lb | | *2800 *6000 | 2450 5250 | *1950 *4200 | 1300 2750 | *650 *1450 | *650 *1450 | 6.59 21.64 | |
| Ground Line | kg lb | | *3400 *7550 | 2250 4800 | *2200 *4750 | 1200 2600 | *750 *1650 | 700 1550 | 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 | 850 1900 | 5.57 18.21 |
| -3.0 m -10.0 ft | kg lb | *4500 *9650 | *4500 *9650 | *2600 *5500 | 2200 4750 | | | *1200 *2550 | *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")
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) | | 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")
BUCKET – 600 mm (24")

SHOES – 600 mm (24") triple grouser

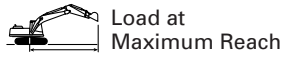
|  | | 1.5 m (5.0 ft) | | 3.0 m (10.0 ft) | | 4.5 m (15.0 ft) | | 6.0 m (20.0 ft) | |  | | m ft |
|---|----------|---|---|---|---|---|---|---|---|---|---|---------------|
| | |  |  |  |  |  |  |  |  |  |  | |
| 4.5 m 15.0 ft | kg lb | | | | | | | | | *800 *1700 | 750 1650 | 6.59 21.47 |
| 3.0 m 10.0 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.

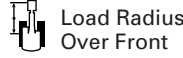
307C Swing Boom (Without Blade) Lift Capacities



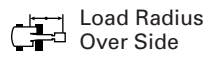
Load Point Height



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")
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) | | 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.

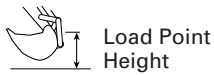
STICK – 2.21 m (7' 3")
BUCKET – 600 mm (24")

SHOES – 600 mm (24") triple grouser

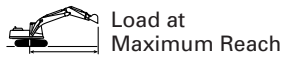
|  | | 1.5 m (5.0 ft) | | 3.0 m (10.0 ft) | | 4.5 m (15.0 ft) | | 6.0 m (20.0 ft) | |  | | m ft |
|---|----------|---|---|---|---|---|---|---|---|---|---|---------------|
| | |  |  |  |  |  |  |  |  |  |  | |
| 4.5 m 15.0 ft | kg lb | | | | | | | | | *800 *1700 | *800 *1700 | 6.59 21.47 |
| 3.0 m 10.0 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.

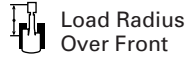
307C Swing Boom (With Blade Down) Lift Capacities



Load Point Height



Load at Maximum Reach















Load Radius Over Front



Load Radius Over Side

STICK – 1.67 m (5' 6")
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) | | 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")
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) | | 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 | *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 | *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

Notes

307C Hydraulic Excavators

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AEHQ5535-02 (11-07)

Replaces AEHQ5535-01

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