

| Engine | | |
|--------------------------|---------------|-----------|
| Engine Model | Cat® C6.4 ACE | RT™ |
| Net Flywheel Power | 110 kW | 148 hp |
| Weights | | |
| Minimum Operating Weight | 21 210 kg | 46,755 lb |

• Reach boom, R2.5B1 (8 ft 2 in) Stick, 0.47 m³ (0.61 yd³) Bucket, 600 mm (24 in) Double grouser shoes

Maximum Operating Weight 24 990 kg

55,093 lb

 Heavy-duty reach boom, Heavy-duty R2.9B1 (9 ft 6 in) stick, 1.38 m³ (1.80 yd³) Bucket, 600 mm (24 in) Triple grouser shoes

320D LRR Hydraulic Excavator

The D Series incorporates innovations for improved performance and versatility.

Reduced Radius

The 320D LRR features a reduced tail swing design that allows it to work well in space restricted areas, while providing maximum comfort. **pg. 4**

C6.4 with ACERT™ Technology

✓ ACERT™ Technology works at the point of combustion to optimize engine performance and provide low exhaust emissions to meet U.S. EPA Tier 3 emission regulations, with exceptional performance capabilities and proven reliability. pg. 5

Hydraulics

The hydraulic system has been designed to provide reliability and outstanding controllability. An optional Tool Control System provides enhanced flexibility. **pg. 6**

Work Tools – Attachments

✓ A variety of work tools, including buckets, couplers, hammers, and shears are available through Cat® Work Tools. pg. 11

Versatility

Caterpillar offers a wide variety of factory-installed attachments that enhance performance and job site management. pg. 12

The Caterpillar® 320D LRR excavator provides all the elements to give you the lowest cost to own and operate. At the end of the day, it all comes down to how much work you got done and how much did it cost you. Caterpillar and the 320D LRR offer you the tools to help lower your owning and operating costs.



Structures

Caterpillar® design and manufacturing techniques assure outstanding durability and service life from these important components. pg. 7

Operator Comfort

✓ Provides maximum space, wider visibility and easy access to switches. The monitor is a full-color graphical display that allows the operator to understand the machine information easily. Overall, the new cab provides a comfortable environment for the operator. pg. 8

Booms, Sticks and Bucket Linkages

One boom and two sticks are available, offering a range of configurations suitable for a wide variety of application conditions. **pg. 10**

Complete Customer Support Service and Maintenance Your Cat® dealer offers a wide range ✓ Fast, easy service has been designed in of services that can be set up under a with extended service intervals, advanced customer support agreement when you filtration, convenient filter access and user-friendly electronic diagnostics for purchase your equipment. The dealer will help you choose a plan that can cover increased productivity and reduced everything from machine configuration maintenance costs. pg. 14 to eventual replacement. pg. 13 ✓ New Feature

Reduced Radius

The Caterpillar 320D LRR is designed for high maneuverability in confined spaces.





Comfort. The cab of the 320D LRR is the same full-sized cab with all the amenities and attachments found on the cab of the 320D L.

Reduced Radius. The tail swing of this machine has been reduced where the back end of the machine won't extend beyond the length of the tracks. The tail swing is just 2.0 m (6'7") as compared to the 2.75 m (9'0") on the 320D. When rotated 90 degrees and working over the side, just 600 mm (2'0") hangs over the side. This allows the 320D LRR to work well in road construction applications and other space restricted areas.

Stability. The 320D LRR offers a very stable platform providing great stability for all applications. When compared to 320D L, the 320D LRR delivers up to 6% additional lift over the side with the heavier counterweight. One of the main contributors is the additional counterweight used on the 320D LRR. This allows for the balance of the machine to be comparable to a standard machine with a longer tail swing.

C6.4 with ACERT™ Technology

The Cat® C6.4 gives the 320D LRR exceptional power and fuel efficiency, unmatched in the industry, for consistently high performance in all applications.

Cat C6.4. The Cat C6.4 with ACERTTM Technology introduces a series of evolutionary, incremental improvements that provide breakthrough engine technology. The building blocks of ACERT Technology are fuel delivery, air management and electronic control. ACERT Technology optimizes engine performance while meeting U.S. EPA Tier 3 emission regulations. With its proven technology, robust components and precision manufacturing, you can count on this engine to power up at start time and keep working productively all shift long.

Performance. The 320D LRR, equipped with the C6.4 engine with ACERTTM Technology, provides 7% more power as compared to the 3066TA in the 320C LU. The additional power delivers a speed and efficiency advantage in high production applications.

Automatic Engine Speed Control.

The two-stage, one-touch control maximizes fuel efficiency and reduces sound levels.



ADEM™ A4 Engine Controller.

The ADEM A4 electronic control module manages fuel delivery to get the best performance per liter of fuel used. The engine management system provides flexible fuel mapping, allowing the engine to respond quickly to varying application needs. It tracks engine and machine conditions while keeping the engine operating at peak efficiency.



Electronic Control Module.

The Electronic Control Module (ECM) works as the "brain" of the engine's control system, responding quickly to operating variables to maximize engine efficiency. Fully integrated with sensors in the engine's fuel, air, coolant, and exhaust systems, the ECM stores and relays information on conditions such as rpm, fuel consumption, and diagnostic information.

Fuel Delivery. The Cat C6.4 features electronic controls that govern the fuel injection system. Multiple injection fuel delivery involves a high degree of precision. Precisely shaping the combustion cycle lowers combustion chamber temperatures, generating fewer emissions and optimizing fuel combustion. This translates into more work output for your fuel cost.

Cooling System. The cooling fan is directly driven from the engine. An electrically controlled viscous clutch fan is available as an attachment to reduce fan noise. The optimum fan speed is calculated based on the target engine speed, coolant temperature, hydraulic oil temperature and actual fan speed. When fan speed is reduced, there's more power available for other functions – and less fuel is burned.

Hydraulics

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



Component Layout. To optimize efficiency of hydraulic performance, the hydraulic components are located close together, which reduces friction loss and pressure drops in the lines.

System Pressure. System pressure has been increased to 35 000 kPa (5,076 psi), which attributes to improved performance:

- Increased stick and bucket forces (up 7% higher than the 320C LU) to better handle those tight digging conditions
- More drawbar pull (206 kN 46,322 lb) to provide more ability to climb slopes, easier spot turns and improved travel in poor underfoot conditions
- More lift capacity, generally over the front where you are generally hydraulically limited

Heavy Lift. The 320D LRR features the addition of a heavy lift, which increases system pressure to 36 000 kPa (5,220 psi), giving even more lift capacity over the front. Heavy Lift is activated by depressing the soft switch on the right hand console. As the pressure increases, the engine speed is reduced, which allows better control while lifting objects.

Pilot System. The pilot pump is independent from the main pumps and controls the front linkage, swing and travel operations.

Hydraulic Cross Sensing System.

The hydraulic cross sensing system utilizes each of two hydraulic pumps to 100 percent of engine power, under all operating conditions. This improves productivity with faster implement speeds and quicker, stronger pivot turns.

Boom and Stick Regeneration Circuit.

Boom and stick regeneration circuit saves energy during boom-down and stick-in operation which increases efficiency, reduces cycle times and pressure loss for higher productivity, lower operating costs and increased fuel efficiency.

Auxiliary Hydraulic Valve. The auxiliary valve is standard on the 320D LRR. Control Circuits are available as attachments, allowing for operation of high and medium pressure tools such as shears, grapples, hammers, pulverizers, multi-processors and vibratory plate compactors.

Hydraulic Cylinder Snubbers.

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

Structures

320D LRR is designed to handle the most rugged operating conditions, while providing long life and value.



Robust Undercarriage. A solid foundation built tough to absorb the stresses of everyday work.

- Rollers and idlers are sealed and lubricated to extend service life.
- Track links are assembled and sealed with grease to decrease internal bushing wear and increase life by as much as 25%, when compared to dry seal undercarriages.
- Spring recoil system stroke has been increased to better relieve excess track tension, which can occur when material builds up between the track and sprocket.

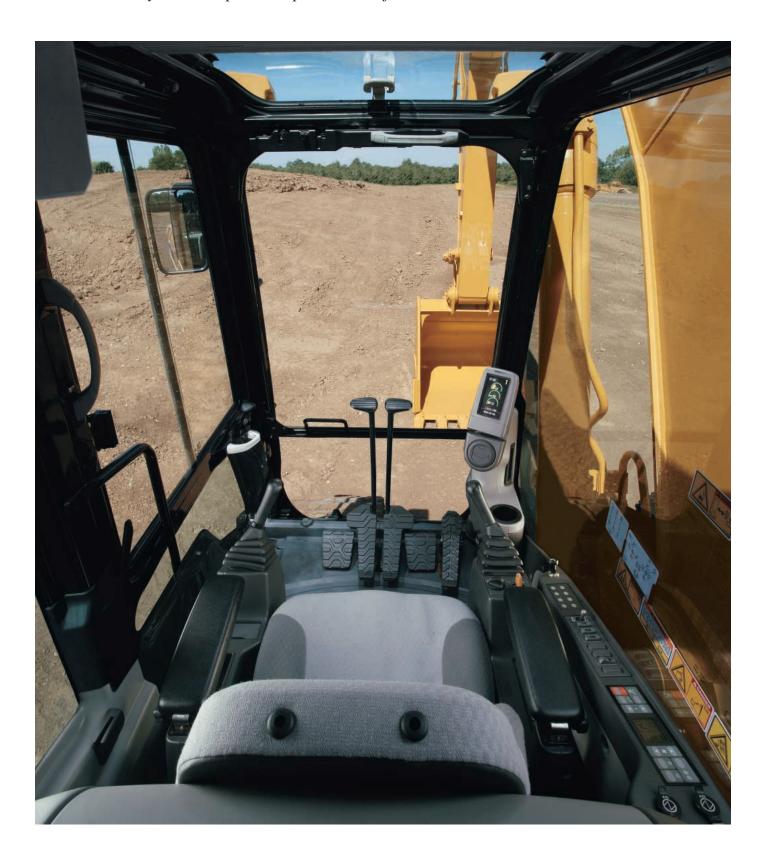
Rugged Structures. Structural components and the undercarriage are the backbone of the machines's durability. Caterpillar places a lot of emphasis on the machine's durability during the designing and manufacturing of its excavators.

- Up to 95% of the structural welds are welded by robots, which achieve up to three times the penetration of a manual weld and improving overall durability of the machine.
- The 320D LRR's main frame utilizes high-tensile strength steel and a onepiece swing table, which improves strength and reliability.

- The carbody has a X-shaped, box section design to resist bending and twisting forces.
- Track roller frames are press-formed in a pentagonal shape for additional strength.

Operator Comfort

Caterpillar offers the most intuitive and easy to operate excavators while providing great all around visibility and exceptional operator comfort.



Operator Station. The layout of the interior has been redesigned to maximize operator comfort and reduce operator fatigue.

- Frequently used switches have been relocated for easier access.
- Consoles and armrests have been redesigned for better comfort and adjustability.
- More seat options choose from the standard mechanical suspension seat, or the optional air suspension seat with heater. Both provide excellent comfort.

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

Joystick Control. Joystick controls have low lever effort and are designed to match the operator's natural wrist and arm position.

Hydraulic Activation Control Lever.

For added safety, this lever must be in the operate position to activate the machine control functions.

Automatic Climate Control.

Fully automatic climate control adjusts temperature and flow, and determines which air outlet is best in each situation with a touch of a button.

Cab Exterior. The exterior design uses thick steel tubing along the bottom perimeter of the cab, improving the resistance of fatigue and vibration.

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





Windows. All glass is affixed directly to the cab for excellent visibility eliminating window frames.

Wipers. Pillar-mounted wipers increase the operator's viewing area and offer continuous and intermittent modes.

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

Monitor. The monitor is a full color Liquid Crystal Display that gives you vital operating and performance information, alerts in text, all in a simple, east to navigate format.

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

Main Menu. Four menu options to choose from:

Settings – Adjust monitor settings, select work tool or choose video mode (when equipped with a camera)

Maintenance – Displays service intervals and hours accumulated since last serviced.

Performance – Displays machine performance attributes such as Engine Speed, Coolant and Hydraulic Oil Temperature.

Service – Allows access to machine parameters for service intervals, diagnostic information and information related to the machines software.

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

Multi-information Display. This area is reserved for displaying various information which is convenient for the operator. The "CAT" logo is displayed when no information is available to be displayed.

Booms, Sticks and Bucket Linkages

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.





Bucket Linkage. The power link improves durability, increases machine-lifting capability in key positions and is easier to use than compared to the previous power link. Lifting from the power link lift eye gives you the optimum lift performance. It allows you to lower the load point, which maximizes the use of the boom cylinders.

Front Linkage Options. The Reach Boom allows excellent all-around versatility and a large working envelope. It can be equipped with the following three sticks:

- R2.9B1 performs well in a midrange working envelope
- R2.5B1 a good match when the job requires a larger bucket or a hammer

Boom. The boom has a large cross-section and internal baffle plates to provide long life durability.

Sticks. The sticks are made of high tensile strength steel using a large box section design with interior baffle plates.

Heavy-Duty Reach Boom. Provides additional strength recommended for tough applications.

Work Tools – Attachments

The 320D LRR has an extensive selection of work tools to optimize machine performance.

Wide Variety of Work Tools. Caterpillar offers a complete line of work tools to match all of your application needs:

- Hammers matched to Cat machines for optimum performance
- Thumbs, Stiff Link, Full Rotation transforms your 320D LRR into a versatile material handling machine
- Grapples choose from a large variety of grapples that best suit your application
- Multi-processors does the work of many types of demolition tools by use of interchangeable jaws
- Shears features 360 degree rotation and high force to weight ratio
- Pulverizers ideally suited for rapid, non-explosive demolition applications
- Vibratory Plate Compactors provide superior compaction force in a reliable, low maintenance package
- Rippers perfectly suited for trenching and pipeline applications where conditions aren't favorable to traditional ripping methods

Caterpillar Buckets. The most extensive choice of buckets that can optimize machine performance and match your application needs.

- General Purpose Buckets for digging in low impact, moderately abrasive materials such as dirt, loam, gravel and clay.
- Heavy-Duty Buckets for use in abrasive applications such as mixed dirt, clay and rock.
- Heavy-Duty power Buckets for use in abrasive applications where breakout force and cycle times are critical – good for materials such as mixed dirt, clay and rock.
- Ditch Cleaning Buckets wide and shallow for ditch cleaning, bank forming and finishing.



Caterpillar Ground Engaging Tools (GET).

Choose from a wide variety of tips that maximize bucket and machine performance. Sidecutters and sidebar protectors are also available.



Pin Grabber Plus Hydraulic Pin Grabber

Couplers. Multiply the versatility and utility of 320D LRR.

- Hydraulic Pin Grabber Plus allows quick and easy tool changes without having to leave the cab. Picks up a large variety of tools equipped with standard pins.
- Dedicated Coupler no loss of tip radius, maximizing the breakout forces on your 320D.

Versatility

A wide variety of optional factory-installed attachments are available to enhance performance and improve job site management.



Auxiliary Hydraulic Options. Allows you to configure your 320D LRR to meet your work tools needs, while increasing its versatility.

- Single Function Circuit suited for tools that require one-way flow with both pumps, such as hammers, vibratory plate compactors.
- Double Function Circuit suited for tools that require two-way flow, utilizing one pump, such as thumbs or non-rotation grapples or shears.
- Tool Control System accommodates single or double function tools, as well as rotating tools when equipped with medium pressure.
 - Stores pressure and flow information for up to 10 tools
 - Cat tools selectable that have preset flows and pressures
 - Shortcut button on right hand console, making tool selection easier.



Machine Security. An optional Machine Security System is available from the factory on the 320D LRR. This system controls when the machine can be operated and utilizes specific keys to prevent unauthorized machine use, a significant theft deterrent.

Product Link. PL321 is available as standard from the factory and includes the following features:

- · Engine hours
- Machine location
- Time based fences (when the machines can operate)
- Geo-based fences (boundaries that the machine can operate)
- · Health Watch
 - Codes from on-board EDM's/Sensors
 - Estimated Fuel Consumption
 - Fuel Watch
- Maintenance Watch
 - Preventative Maintenance Planning
 - Preventative Maintenance Checklists
 - Overdue PM Notification
 - PM History Recording

More Attachments. The 320D LRR offers the most options available to equip your machine to best match your application and work environment requirements. From track shoe size to guarding packages to operator comfort options, the 320D LRR offers more options.

Complete Customer Support

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



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. Save money with remanufactured components.

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

Customer Support Agreements.

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

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

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

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

SAFETY.CAT.COM™.

Service and Maintenance

Simplified service and maintenance features save you time and money.





Ground Level Service. The design and layout of the 320D LRR was made with the service technician in mind. Many service locations are easily accessible at ground level allowing critical maintenance to get done quickly and efficiently.

Air Filter/Radiator Compartment.

The left rear service door allows easy access to the engine radiator, oil cooler and air-to-air-after-cooler.

A wire mesh screen is provided between the aftercooler and radiator/oil cooler, where there is a wide enough clearance to blow off debris using a wand.

The air filter, also located within this compartment features a double-element construction for superior cleaning efficiency. When the air cleaner plugs, a warning is displayed on the monitor screen inside the cab.

The air filter, the access point for the washer tank, and maintenance points for electric components, such as the battery, circuit breaker and controller, are positioned behind the cab, in the air cleaner compartment. The jump-start receptacle, which is an attachment, is near the battery. When equipped, the hand control pattern changer is located within this compartment.

Pump Compartment. A service door on the right side allows for ground level access to the hydraulic pump, case drain and pilot filters.



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

Anti-Skid Plate. Anti-skid plate covers top of storage box and upper structure to prevent slipping during maintenance.

Diagnostics and Monitoring.

The 320D LRR is equipped with S•O•SSM sampling ports and hydraulic test ports for the hydraulic system, engine oil, and for coolant. A test connection for the Cat Electronic Technician (Cat ET) service tool is located in the cab.

Extended Service Interval. 320D LRR service and maintenance intervals have been extended to reduce machine service time and increase machine availability.

Engine Engine Model Cat® C6.4 ACERT™ Net Flywheel Power 110 kW 148 hp Net Power - ISO 9249 110 kW 148 hp Net Power - SAE J1349 110 kW 148 hp Net Power - EEC 80/1269 110 kW 148 hp Bore 102 mm 4.02 in Stroke 130 mm 5.12 in Displacement 6.4 L 389 in³

- The 320D LRR meets U.S. EPA Tier 3 emissions requirements.
- Net flywheel power advertised is the power available at the flywheel when the engine is equipped with fan, air cleaner, muffler and alternator.
- No engine power derated below 2300 m (7,500 ft).

| Weights | | | |
|--------------------------|-----------|-----------|--|
| Minimum Operating Weight | 21 210 kg | 46,755 lb | |

 Reach boom, R2.5B1 (8 ft 2 in) Stick, 0.47 m³ (0.61 yd³) Bucket, 6.5 mt (14,330 lb) Counterweight, 600 mm (24 in) Double grouser shoes

Maximum Operating Weight 24 990 kg 55,093 lb

· Heavy-duty reach boom, Heavy-duty R2.9B1 (9 ft 6 in) stick, 1.38 m³ (1.80 yd³) Bucket, 7.125 mt (15,708 lb) Counterweight, 600 mm (24 in) Triple grouser shoes

Service Refill Capacities

| Fuel Tank Capacity | 290 L | 77 gal |
|---|-------|---------|
| Cooling System | 25 L | 6.6 gal |
| Engine Oil | 30 L | 8 gal |
| Swing Drive | 8 L | 2.1 gal |
| Final Drive (each) | 8 L | 2.1 gal |
| Hydraulic System (including tank) | 211 L | 56 gal |
| Hydraulic Tank (including suction pipe) | 155 L | 41 gal |

Track

| Number of Shoes Each Side – | 49 |
|---|----|
| Long Undercarriage | |
| Number of Track Rollers Each Side – Long Undercarriage | 8 |
| Number of Carrier Rollers Each Side – Long Undercarriage | 2 |

| Swing Mechanism | | |
|-----------------|-----------|--------------|
| Swing Speed | 11.5 rpm | |
| Swing Torque | 61.8 kN•m | 45,612 lb-ft |

| Drive | | |
|----------------------|----------|-----------|
| Maximum Drawbar Pull | 206 kN | 46,311 lb |
| Maximum Travel Speed | 5.7 km/h | 3.5 mph |

| Hydraulic System | | |
|------------------------------------|------------|------------|
| Main Implement System – | 205 L/min | 54 gal/min |
| Maximum Flow (2x) | | |
| Max. pressure – Equipment | 35 000 kPa | 5,076 psi |
| Max. pressure – Equipment – Heavy | 36 000 kPa | 5,221 psi |
| Max. pressure – Travel | 35 000 kPa | 5,076 psi |
| Max. pressure – Swing | 25 000 kPa | 3,626 psi |
| Pilot System – Maximum Flow | 32.4 L/min | 9 gal/min |
| Pilot System – Maximum Pressure | 3900 kPa | 566 psi |
| Boom Cylinder – Bore | 120 mm | 4.7 in |
| Boom Cylinder – Stroke | 1260 mm | 49.6 in |
| Reach Stick Cylinder – Bore | 140 mm | 5.5 in |
| Reach Stick Cylinder – Stroke | 1518 mm | 59.8 in |
| B1 Family Bucket Cylinder – Bore | 120 mm | 4.7 in |
| B1 Family Bucket Cylinder – Stroke | 1104 mm | 43.5 in |

Sound Performance

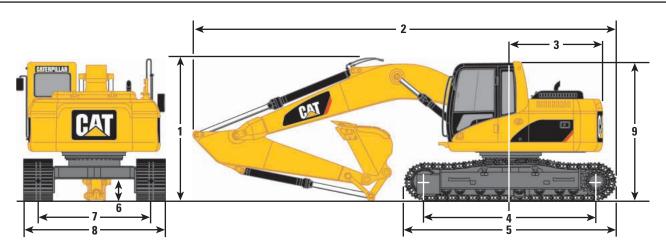
Performance ANSI/SAE J1166 APR 90

- When properly installed and maintained, the cab offered by Caterpillar, when tested with doors and windows closed according to ANSI/SAE J1166 OCT 98, meets OSHA and MSHA requirements for operator sound exposure limits in effect at time of manufacture.
- · Hearing protection may be needed when operating with an open operator station and cab (when not properly maintained or doors/windows open) for extended periods or in noisy environment.

| Standards | |
|-----------|-----------------|
| Brakes | SAE J1026 APR90 |
| Cab/FOGS | SAE J1356 FEB88 |

Dimensions

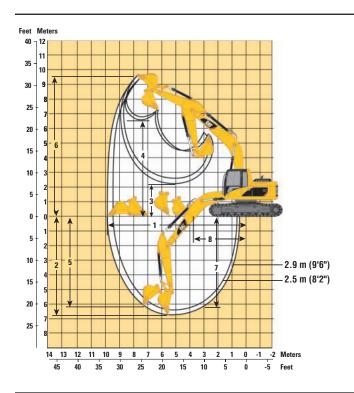
All dimensions are approximate.

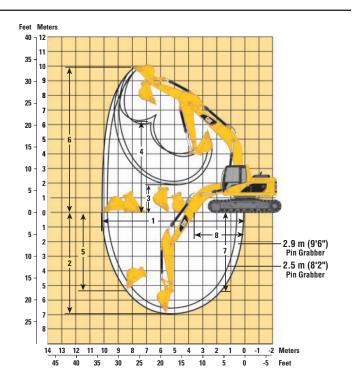


| Boom Options | Reach 5.68 m (18'7") | Reach 5.68 m (18'7") | |
|-------------------------------|-------------------------|-------------------------|--|
| Stick Options | R2.9B1 m (9'6") Std/SA | R2.5B1 m (8'2") Std/SA | |
| 1 Shipping Height | 3030 mm (9'11") | 3050 mm (10'0") | |
| 2 Shipping Length | 8790 mm (28'10") | 8790 mm (28'10") | |
| 3 Tail Swing Radius | 2000 mm (6'7") | 2000 mm (6'7") | |
| 4 Length to Center of Rollers | | | |
| Long | 3650 mm (12'0") | 3650 mm (12'0") | |
| 5 Track Length | | | |
| Long | 4455 mm (14'7") | 4455 mm (14'7") | |
| 6 Ground Clearance | 450 mm (1'6") | 450 mm (1'6") | |
| 7 Track Gauge | | | |
| Long | 2380 mm (7'10") | 2380 mm (7'10") | |
| 8 Transport Width | 700 mm Shoes | 600 mm Shoes | |
| Long | 3080 mm (10'1") | 2980 mm (9'9") | |
| 9 Cab Height | 2950 mm (9'8") | 2950 mm (9'8") | |

^{*} Removing the bucket and quick coupler changes the shipping height to 3390 mm (11'1"). Note: All numbers are approximate.

Working Ranges





| Boom | Reach 5.68 m (18'7") | Reach 5.68 m (18'7") |
|---|-------------------------|-------------------------|
| Stick Length | R2.9B1 m (9'6") | R2.5B1 m (8'2") |
| Bucket | 1.0 m³ (1.31 yd³) | 1.0 m³ (1.31 yd³) |
| 1 Maximum Reach at Ground Level | 9860 (32'4") | 9460 (31'0") |
| 2 Maximum Digging Depth | 6720 (22'1") | 6300 (20'8") |
| 3 Minimum Loading Height | 2170 (7'1") | 2590 (8'6") |
| 4 Maximum Loading Height | 6490 (21'4") | 6290 (20'8") |
| Maximum Vertical Wall Digging Depth | 6060 (19'11") | 5650 (18'6") |
| 6 Maximum Cutting Height | 9490 (31'2") | 9290 (30'6") |
| 7 Maximum Depth Cut for 2440 m (8') Level Bottom | 6060 (19'11") | 5650 (18'6") |
| 8 Minimum Front Swing Radius | 3660 (12'0") | 3710 (12'2") |

| В | oom | Reach 5.68 m (18'7") | Reach 5.68 m (18'7") |
|----|--|---|---|
| St | ick Length | R2.9B1 m (9'6") | R2.5B1 m (8'2") |
| В | ıcket | Pin Grabber Quick Coupler with 1.0 m³ (1.31 yd³) | Pin Grabber Quick Coupler with 1.0 m³ (1.31 yd³) |
| 1 | Maximum Reach at Ground Level | 10 120 (33'2") | 9730 (31'11") |
| 2 | Maximum Digging Depth | 6980 (22'11") | 6560 (21'6") |
| 3 | Minimum Loading Height | 1910 (6'3") | 2330 (7'8") |
| 4 | Maximum Loading Height | 6230 (20'5") | 6030 (19'9") |
| 5 | Maximum Vertical Wall Digging Depth | 5380 (17'8") | 4990 (16'4") |
| 6 | Maximum Cutting Height | 9720 (31'11") | 9520 (31'0") |
| 7 | Maximum Depth Cut for 2440 m (8') Level Bottom | 5380 (17'8") | 4990 (16'4") |
| 8 | Minimum Front Swing Radius | 3660 (12'0") | 3710 (12'2") |

Note: All numbers are approximate

Bucket and Stick Forces

Bucket and Stick force are calculated with different buckets than those calculated for working range.

| General Purpose Buckets | D0 0D4 0v1 I | R2.9B1 Stick | D0 5D4 04' 1 | R2.5B1 Stick |
|----------------------------|--------------|--------------|--------------|--------------|
| | R2.9B1 Stick | w/Coupler | R2.5B1 Stick | w/Coupler |
| Bucket Digging Force (ISO) | 140 kN | 116 kN | 140 kN | 116 kN |
| | (31,361 lb) | (26,145 lb) | (31,361 lb) | (26,145 lb) |
| Bucket Digging Force (SAE) | 125 kN | 108 kN | 125 kN | 108 kN |
| | (28,079 lb) | (24,189 lb) | (28,079 lb) | (24,189 lb) |
| Stick Digging Force (ISO) | 106 kN | 100 kN | 118 kN | 110 kN |
| | (23,897 lb) | (22,436 lb) | (26,460 lb) | (24,706 lb) |
| Stick Digging Force (SAE) | 103 kN | 98 kN | 114 kN | 107 kN |
| | (23,223 lb) | (22,009 lb) | (25,628 lb) | (24,144 lb) |
| Power Buckets | | R2.9B1 Stick | | R2.5B1 Stick |
| | R2.9B1 Stick | w/Coupler | R2.5B1 Stick | w/Coupler |
| Bucket Digging Force (ISO) | 163 kN | 124 kN | 163 kN | 124 kN |
| | (36,711 lb) | (27,809 lb) | (36,711 lb) | (27,809 lb) |
| Bucket Digging Force (SAE) | 144 kN | 113 kN | 144 kN | 113 kN |
| | (32,417 lb) | (25,493 lb) | (32,417 lb) | (25,493 lb) |
| Stick Digging Force (ISO) | 109 kN | 102 kN | 121 kN | 112 kN |
| | (24,482 lb) | (22,863 lb) | (27,202 lb) | (25,224 lb) |
| Stick Digging Force (SAE) | 106 kN | 99 kN | 117 kN | 109 kN |
| 66 6 1 11 (1) | (23,717 lb) | (22,301 lb) | (26,235 lb) | (24,527 lb) |
| Heavy Duty/Rock Buckets | | R2.9B1 Stick | | R2.5B1 Stick |
| | R2.9B1 Stick | w/Coupler | R2.5B1 Stick | w/Coupler |
| Bucket Digging Force (ISO) | 140 kN | 117 kN | 140 kN | 117 kN |
| | (31,563 lb) | (26,258 lb) | (31,563 lb) | (26,258 lb) |
| Bucket Digging Force (SAE) | 125 kN | 107 kN | 125 kN | 108 kN |
| | (28,079 lb) | (24,144 lb) | (28,079 lb) | (24,212 lb) |
| Stick Digging Force (ISO) | 106 kN | 100 kN | 118 kN | 110 kN |
| 2.55 | (23,920 lb) | (22,458 lb) | (26,505 lb) | (24,729 lb) |
| | | | (-0,000) | (,, -, 10) |
| Stick Digging Force (SAE) | 103 kN | 98 kN | 114 kN | 107 kN |

Major Component Weights

| Base machine with counterweight (without front linkage) | | |
|---|-----------|-----------|
| Long undercarriage with 800 mm shoe | 19 900 kg | 43,872 lb |
| Two boom cylinders (each) | 182 kg | 401 lb |
| Counterweight | | |
| Optional | 6500 kg | 14,330 lb |
| Standard | 7125 kg | 15,708 lb |
| Boom (includes lines, pins and stick cylinder) | | |
| Reach boom 5.7 m (18'7") | 1640 kg | 3,616 lb |
| Stick (includes lines, pins, bucket cylinder and linkage) | | |
| R2.9 (9'6") | 818 kg | 1,803 lb |
| R2.5 (8'2") | 779 kg | 1,717 lb |
| Undercarriage | | |
| [includes carbody, swing bearing, track frame, | | |
| rollers, idlers, steps, guards, final drive] | | |
| L undercarriage with 800 mm shoe | 7880 kg | 17,372 lb |

320D LRR Work Tool Matching Guide

| Boom Options | | h Boom n (18'7") | |
|---------------------------|----------------------------|----------------------------|--|
| Stick Options | R2.9B1 (9'6") | R2.5B1 (8'2") | |
| Hydraulic Hammer | H115s/ H120Cs/ H130s | H115s/ H120Cs/ H130s | |
| Vibratory Plate Compactor | CVP110 | CVP110 | |
| Muti-Processor | MP15 | MP15 | |
| 360 Scrap Shear | S320 | S320 | |
| Trash Grapple | 2.7 m³ (3.5 yd³) | 2.7 m³ (3.5 yd³) | |
| Contractor's Grapple | yes | yes | |
| Hydraulic Thumb | yes | yes | |
| Dedicated Quick Coupler | yes | yes | |
| Pin-Grabber Quick Coupler | yes | yes | |

320D LRR Bucket Options

| | Adapter | Capa | acity | Wid | lth | Tip Ra | adius | | ight ut tips) | Teeth | | | | |
|-----------------|---------|------|-------|------|-----|--------|-------|------|------------------|-------|----------------------|----------------|----------------------|------------------|
| | | m³ | vd³ | mm | in | mm | in | kg | lb | Ωty | R2.9B1 | R2.9B1 w/QC | R2.5B1 | R2.5B1 w/QC |
| B Family | | | | | | | | 9 | | | | , | | , |
| General Purpose | K80 | 0.55 | 0.72 | 610 | 24 | 1565 | 61.6 | 629 | 1,387 | 3 | • | • | • | • |
| (GP) | K80 | 0.75 | 0.98 | 762 | 30 | 1565 | 61.6 | 718 | 1,583 | 4 | • | • | | |
| | K80 | 0.95 | 1.24 | 914 | 36 | 1565 | 61.6 | 790 | 1,742 | 5 | | | | |
| | K80 | 1.17 | 1.53 | 1067 | 42 | 1565 | 61.6 | 852 | 1,878 | 5 | $\overline{\bullet}$ | $\overline{}$ | | $\overline{}$ |
| | K80 | 1.39 | 1.82 | 1219 | 48 | 1565 | 61.6 | 926 | 2,041 | 6 | 0 | 0 | $\overline{\bullet}$ | 0 |
| | K80 | 1.57 | 2.05 | 1372 | 54 | 1565 | 61.6 | 1000 | 2,205 | 6 | 0 | \bigcirc | 0 | \bigcirc |
| Heavy Duty (HD) | K90 | 0.47 | 0.61 | 610 | 24 | 1578 | 62.1 | 650 | 1,433 | 3 | | | | |
| | K90 | 0.64 | 0.84 | 762 | 30 | 1578 | 62.1 | 743 | 1,638 | 4 | | | | |
| | K90 | 0.82 | 1.07 | 914 | 36 | 1578 | 62.1 | 813 | 1,792 | 5 | | | | |
| | K90 | 1.00 | 1.31 | 1067 | 42 | 1578 | 62.1 | 866 | 1,909 | 5 | | | | |
| | K90 | 1.19 | 1.56 | 1219 | 48 | 1578 | 62.1 | 956 | 2,108 | 6 | $\overline{}$ | 0 | | \overline{igo} |
| | K90 | 1.38 | 1.80 | 1372 | 54 | 1578 | 62.1 | 1030 | 2,271 | 6 | 0 | \bigcirc | $\overline{}$ | 0 |
| Heavy Duty | K90 | 0.54 | 0.70 | 610 | 24 | 1578 | 62.1 | 696 | 1,534 | 3 | | | | |
| Rock (HDR) | K90 | 0.77 | 1.00 | 762 | 30 | 1578 | 62.1 | 781 | 1,722 | 4 | | | | |
| | K90 | 0.84 | 1.10 | 914 | 36 | 1578 | 62.1 | 863 | 1,903 | 5 | | | | |
| | K90 | 1.07 | 1.40 | 1067 | 42 | 1578 | 62.1 | 933 | 2,057 | 5 | | $\overline{}$ | | |
| Heavy Duty | K90 | 0.79 | 1.03 | 914 | 36 | 1458 | 57.4 | 811 | 1,788 | 5 | | | | |
| Power (HDP) | K90 | 0.96 | 1.26 | 1067 | 42 | 1458 | 57.4 | 875 | 1,929 | 5 | | | | |
| | K90 | 1.14 | 1.49 | 1219 | 48 | 1458 | 57.4 | 954 | 2,103 | 6 | $\overline{\bullet}$ | $\overline{}$ | | $\overline{}$ |
| Ditch Cleaning | n/a | 1.02 | 1.33 | 1524 | 60 | 1139 | 44.8 | 726 | 1,601 | 0 | | | | |
| (DC) | n/a | 1.24 | 1.62 | 1830 | 72 | 1139 | 44.8 | 823 | 1,814 | 0 | \overline{igo} | $\overline{}$ | | \overline{igo} |

Assumptions for maximum material density rating:

- 1. Front Linkage fully extended at ground line
- 2. Machine positioned 90 degrees over the side
- 3. Bucket curled
- 4. 100% Bucket Fill Factor

Please consult with your Caterpillar dealer personnel for optimum selection of buckets and work tools that best match your application.

 Based on SAE J296, some calculations of capacity specs fall on borderlines. Rounding may allow two buckets to have the same English rating, but different metric ratings.

- 2100 kg/m³ (3,500 lb/yd³) max material density
- → 1800 kg/m³ (3,000 lb/yd³) max material density
- 1500 kg/m³ (2,500 lb/yd³) max material density
- 1200 kg/m³ (2,000 lb/yd³) max material density
- Not Recommended

Reach Boom Lift Capacities for 7 Metric Ton Counterweight



Load Point Height



Load Radius Over Front



Load Radius Over Side



Load at Maximum Reach

STICK – 2.9 m (9'6") BUCKET – No Bucket, Bare Quick Coupler **UNDERCARRIAGE** – Long **SHOES** – 800 mm (32") triple grouser

BOOM – 5.7 m (18'7") **HEAVY LIFT** – ON

| | | 1.5 m | (5.0 ft) | 3.0 m (| 10.0 ft) | 4.5 m (| 15.0 ft) | 6.0 m (| 20.0 ft) | 7.5 m (2 | 25.0 ft) | | | <u> </u> |
|----------------------------|-----------------|----------------------------|---------------------------|---------------------------|---------------------------|---------------------------|-------------------------|-------------------------|-------------------------|-------------------------|----------------------|-------------------------|------------------------|----------------------|
| | - i | | | | | | | | | | | | | m ft |
| 7.5 m 25.0 ft | kg lb | | | | | | | | | | | *3200 *7,150 | *3200 *7,150 | 6.60 21.29 |
| 6.0 m 20.0 ft | kg lb | | | | | | | | | *3700 | *3700 | *3000 *6,600 | *3000 *6,600 | 7.67 24.97 |
| 4.5 m 15.0 ft | kg lb | | | | | | | *5100 *11,050 | *5100 *11,050 | *4800 *10,500 | 3800 8,150 | *2950 *6,500 | *2950 *6,500 | 8.33 27.26 |
| 3.0 m 10.0 ft | kg lb | | | *11 650 *24,750 | *11 650 *24,750 | *7500 *16,150 | *7500 *16,150 | *5950 *12,900 | 5200 11,200 | *5200 *11,350 | 3700 7,950 | *3050 *6,650 | 2900 6,400 | 8.69 28.48 |
| 1.5 m 5.0 ft | kg lb | | | | | *9350 *20,200 | 7550 16,200 | *6900 *14,950 | 4950 10,700 | *5700 *12,250 | 3600 7,650 | *3200 *7,050 | 2800 6,150 | 8.77 28.79 |
| Ground Line | kg lb | | | *6850 *15,650 | *6850 *15,650 | *10 550 *22,800 | 7200 15,500 | *7650 *16,500 | 4750 10,250 | 5650 12,200 | 3500 7,450 | *3600 *7,850 | 2850 6,250 | 8.60 28.20 |
| –1.5 m –5.0 ft | kg lb | *6250 *14,000 | *6250 *14,000 | *10 400 *23,600 | *10 400 *23,600 | *10 850 *23,550 | 7100 15,200 | 7850 16,800 | 4650 10,050 | 5600 12,100 | 3450 7,350 | *4200 *9,250 | 3050 6,750 | 8.14 26.67 |
| −3.0 m − 10.0 ft | kg lb | *10 350 * 23,250 | *10 350 *23,250 | *15 150 *32,750 | 13 800 29,550 | *10 400 *22,450 | 7100 15,250 | *7650 *16,500 | 4600 9,950 | | | *5400 *11,950 | 3550 7,850 | 7.35 23.99 |
| −4.5 m −15.0 ft | kg lb | | | *12 550 *26,950 | *12 550 *26,950 | *8850 *18,900 | 7250 15,600 | *6200 | 4800 | | | *6000 *13,250 | 4750 10,600 | 6.09 19.72 |

^{*} Limited by hydraulic capacity rather than tipping load. The above loads are in compliance with SAE hydraulic excavator lift capacity rating standard J1097. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping capacity. Weight of all lifting accessories must be deducted from the above lifting capacities.



Load Point Height



Load Radius Over Front



Load Radius

Over Side



Load at Maximum Reach

STICK – 2.9 m (9'6") **BUCKET** – 0.82 m³ (1.07 yd³) UNDERCARRIAGE – Long SHOES – 800 mm (32") triple grouser **BOOM** – 5.7 m (18'7") **HEAVY LIFT** – ON

| \#\ | | 1.5 m | (5.0 ft) | 3.0 m (| 10.0 ft) | 4.5 m (| 15.0 ft) | 6.0 m (| 20.0 ft) | 7.5 m (| 25.0 ft) | | | |
|----------------------------|-----------------|-------------------------|-------------------------|---------------------------|---------------------------|---------------------------|-------------------------|-------------------------|-------------------------|-------------------------|----------------------|------------------------|------------------------|----------------------|
| | <u> </u> | | | | | | | | | | | | | m ft |
| 7.5 m 25.0 ft | kg lb | | | | | | | | | | | *2000 *4,450 | *2000 *4,450 | 7.84 25.38 |
| 6.0 m 20.0 ft | kg lb | | | | | | | | | *3650 | 3500 | *1900 *4,200 | *1900 *4,200 | 8.81 28.74 |
| 4.5 m 15.0 ft | kg lb | | | | | | | *4700 *10,200 | *4700 *10,200 | *4400 *9,600 | 3450 7,350 | *1900 *4,150 | *1900 *4,150 | 9.38 30.71 |
| 3.0 m 10.0 ft | kg lb | | | *11 300 *24,000 | *11 300 *24,000 | *7150 *15,350 | *7150 *15,350 | *5550 *12,050 | 4900 10,500 | *4800 *10,450 | 3350 7,200 | *1950 *4,300 | *1950 *4,300 | 9.64 31.61 |
| 1.5 m 5.0 ft | kg lb | | | | | *9000 *19,350 | 7200 15,500 | *6500 *14,050 | 4650 9,950 | *5300 *11,450 | 3250 6,900 | *2100 *4,650 | 2200 4,550 | 9.61 31.54 |
| Ground Line | kg lb | | | *6400 *14,650 | *6400 *14,650 | *10 150 *21,850 | 6850 14,650 | *7250 *15,650 | 4450 9,500 | 5300 11,450 | 3150 6,700 | *2400 *5,250 | 2200 4,800 | 9.30 30.52 |
| –1.5 m –5.0 ft | kg lb | *5900 *13,200 | *5900 *13,200 | *9950 *22,600 | *9950 *22,600 | *10 450 *22,600 | 6750 14,400 | 7500 16,100 | 4350 9,300 | 5250 11,300 | 3100 6,600 | *2800 *6,200 | 2500 5,400 | 8.68 28.44 |
| −3.0 m −10.0 ft | kg lb | *9950 *22,300 | *9950 *22,300 | *14 650 *31,700 | 13 400 28,650 | *9950 *21,550 | 6750 14,450 | *7250 *15,600 | 4350 9,300 | | | *3600 *8,000 | 3100 6,800 | 7.65 24.97 |
| -4.5 m - 15.0 ft | kg lb | | | *12 150 *26,000 | *12 150 *26,000 | *8450 *18,050 | 6950 14,900 | *5800 | 4500 | | | *4000 *9,300 | *4000 *9,300 | 6.02 19.59 |

^{*} Limited by hydraulic capacity rather than tipping load. The above loads are in compliance with SAE hydraulic excavator lift capacity rating standard J1097. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping capacity. Weight of all lifting accessories must be deducted from the above lifting capacities.

Always refer to the appropriate Operation and Maintenance Manual for specific product information.

Reach Boom Lift Capacities for 7 Metric Ton Counterweight



Load Point Height



Load Radius Over Front



Load Radius Over Side



Load at Maximum Reach

STICK – 2.5 m (8'2")
BUCKET – No Bucket, Bare Quick Coupler

UNDERCARRIAGE – Long **SHOES** – 800 mm (32") triple grouser

BOOM – 5.7 m (18'7") **HEAVY LIFT** – ON

| | | 1.5 m | (5.0 ft) | 3.0 m (| 10.0 ft) | 4.5 m (| 15.0 ft) | 6.0 m (| 20.0 ft) | 7.5 m (| 25.0 ft) | | | |
|----------------------------|-----------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|-----------------------|-------------------------|-------------------------|-------------------------|----------------------|-------------------------|------------------------|----------------------|
| | - | | | F. | | F. | | | | | | | | m ft |
| 7.5 m 25.0 ft | kg lb | | | | | | | *4150 | *4150 | | | *3850 *8,600 | *3850 *8,600 | 6.06 19.49 |
| 6.0 m 20.0 ft | kg lb | | | | | | | *4950 *10,850 | *4950 *10,850 | | | *3550 *7,850 | *3550 *7,850 | 7.21 23.47 |
| 4.5 m 15.0 ft | kg lb | | | | | | | *5450 *11,850 | 5350 11,600 | *5100 *10,950 | 3750 8,050 | *3500 *7,700 | 3450 7,550 | 7.92 25.89 |
| 3.0 m 10.0 ft | kg lb | | | | | *8100 *17,400 | 7950 17,050 | *6300 *13,650 | 5150 11,100 | *5450 *11,900 | 3650 7,850 | *3600 *7,900 | 3150 6,850 | 8.29 27.18 |
| 1.5 m 5.0 ft | kg lb | | | | | *9800 *21,150 | 7450 16,000 | *7150 *15,500 | 4900 10,550 | 5800 12,350 | 3550 7,650 | *3850 *8,450 | 3000 6,600 | 8.38 27.49 |
| Ground Line | kg lb | | | *6100 *14,000 | *6100 *14,000 | *10 750 *23,250 | 7100 15,400 | *7800 17,000 | 4750 10,200 | 5650 12,200 | 3600 7,450 | *4300 *9,500 | 3050 6,750 | 8.19 26.88 |
| –1.5 m –5.0 ft | kg lb | *6750 *15,050 | *6750 *15,050 | *10 950 *24,850 | *10 950 *24,850 | *10 850 *23,450 | 7100 15,200 | 7850 16,800 | 4700 10,050 | 5600 12,150 | 3450 7,400 | *5150 *11,350 | 3350 7,300 | 7.71 25.26 |
| −3.0 m − 10.0 ft | kg lb | *11 750 *26,350 | *11 750 *26,350 | *14 350 *31,050 | 13 900 29,800 | *10 100 *21,800 | 7150 15,300 | *7450 *16,000 | 4700 10,150 | | | *6150 *13,550 | 3950 8,700 | 6.87 22.42 |
| −4.5 m −15.0 ft | kg lb | | | *11 350 *24,250 | *11 350 *24,250 | *8100 *17,200 | 7350 15,800 | | | | | *6200 *13,650 | 5500 12,500 | 5.50 17.77 |

^{*} Limited by hydraulic capacity rather than tipping load. The above loads are in compliance with SAE hydraulic excavator lift capacity rating standard J1097. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping capacity. Weight of all lifting accessories must be deducted from the above lifting capacities.



Load Point Height



Load Radius Over Front



Load Radius Over Side



Load at Maximum Reach

STICK – 2.5 m (8'2") **BUCKET** – 0.82 m³ (1.07 yd³) **UNDERCARRIAGE** – Long **SHOES** – 800 mm (32") triple grouser

BOOM – 5.7 m (18'7") **HEAVY LIFT** – ON

| 124 | | 1.5 m | (5.0 ft) | 3.0 m (| 10.0 ft) | 4.5 m (| 15.0 ft) | 6.0 m (| 20.0 ft) | 7.5 m (2 | 25.0 ft) | | | |
|---------------------------|-----------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|-----------------------|-------------------------|------------------------|-------------------------|----------------------|-------------------------|------------------------|----------------------|
| | <u> </u> | | | | | | | | | | | | | m ft |
| 7.5 m 25.0 ft | kg Ib | | | | | | | | | | | *2400 *5,300 | *2400 *5,300 | 7.32 23.67 |
| 6.0 m 20.0 ft | kg lb | | | | | | | *4550 *9,950 | *4550 *9,950 | | | *2250 *5,000 | *2250 *5,000 | 8.37 27.29 |
| 4.5 m 15.0 ft | kg lb | | | | | | | *5050 *11,000 | 5050 10,900 | *4700 *10,250 | 3400 7,250 | *2250 *4,950 | *2250 *4,950 | 8.98 29.38 |
| 3.0 m 10.0 ft | kg Ib | | | | | *7700 *16,550 | 7650 16,400 | *5900 *12,800 | 4850 10,350 | *5050 *11,000 | 3350 7,100 | *2350 *5,150 | 2300 5,000 | 9.25 30.32 |
| 1.5 m 5.0 ft | kg lb | | | | | *9400 *20,250 | 7100 15,200 | *6800 *14,650 | 4600 9,850 | 5400 11,650 | 3200 6,900 | *2550 *5,550 | 2300 4,950 | 9.22 30.25 |
| Ground Line | kg lb | | | *5700 *13,100 | *5700 *13,100 | *10 300 *22,300 | 6800 14,550 | *7400 *15,950 | 4400 9,450 | 5300 11,450 | 3150 6,700 | *2850 *6,200 | 2400 5,200 | 8.89 29.18 |
| –1.5 m –5.0 ft | kg lb | *6400 *14,350 | *6400 *14,350 | *10 500 *23,850 | *10 500 *23,850 | *10 400 *22,500 | 6750 14,400 | 7500 16,100 | 4350 9,300 | 5300 11,400 | 3100 6,650 | *3350 *7,400 | 2700 6,000 | 8.23 26.97 |
| −3.0 m −10.0 ft | kg lb | *11 350 *25,450 | *11 350 *25,450 | *13 850 *30,000 | 13 500 28,850 | *9650 *20,900 | 6800 14,550 | *7050 *15,100 | 4400 9,400 | | | *4350 *9,600 | 3500 7,700 | 7.13 23.25 |
| −4.5 m −15.0 ft | kg lb | | | *10 900 *23,350 | *10 900 *23,350 | *7700 *16,350 | 7050 15,150 | | | | | *5850 *12,800 | 5200 11,800 | 5.50 17.76 |

^{*} Limited by hydraulic capacity rather than tipping load. The above loads are in compliance with SAE hydraulic excavator lift capacity rating standard J1097. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping capacity. Weight of all lifting accessories must be deducted from the above lifting capacities.

Always refer to the appropriate Operation and Maintenance Manual for specific product information.

Reach Boom Lift Capacities for 6 Metric Ton Counterweight



Load Point Height



Load Radius Over Front



Load Radius Over Side



Load at Maximum Reach

STICK – 3.9 m (12'10") **BUCKET** – 0.82 m³ (1.07 yd³) **UNDERCARRIAGE** – Long **SHOES** – 800 mm (32") triple grouser

BOOM – 5.7 m (18'9") **HEAVY LIFT** – ON

| 124 | | 1.5 m | (5.0 ft) | 3.0 m (| 10.0 ft) | 4.5 m (| 15.0 ft) | 6.0 m (| 20.0 ft) | 7.5 m (| 25.0 ft) | 9.0 m (| 30.0 ft) | 10.5 m | (35.0 ft) | <u>.</u> | | |
|-------------------------|-----------------|---------|----------|---------|----------|---------|----------|---------|----------|---------|----------|---------|----------|--------|-----------|----------|--------|---------|
| | | | | | | | | | | | | | | | | | | m ft |
| 9.0 m 30.0 ft | kg lb | | | | | | | | | | | | | | | | | |
| 7.5 m | kg | | | | | | | | | *2900 | *2900 | | | | | *1550 | *1550 | 8.94 |
| 25.0 ft | lb | | | | | | | | | *5,850 | *5,850 | | | | | *3,450 | *3,450 | 29.05 |
| 6.0 m | kg | | | | | | | | | *3300 | *3300 | | | | | *1500 | *1500 | 9.78 |
| 20.0 ft | lb | | | | | | | | | *7,250 | *7,250 | v 0==0 | 2252 | | | *3,250 | *3,250 | 31.96 |
| 4.5 m | kg | | | | | | | | | *3600 | 3450 | *2750 | 2350 | | | *1450 | *1450 | 10.29 |
| 15.0 ft | lb | | | | | | | | | *7,850 | 7,300 | *5,250 | 5,000 | | | *3,200 | *3,200 | 33.71 |
| 3.0 m | kg | | | | | | | *4600 | *4600 | *4100 | 3300 | *3650 | 2300 | | | *1550 | *1550 | 10.52 |
| 10.0 ft | lb | | | | | | | | *10,000 | *8,900 | 7,050 | *7,300 | 4,900 | | | *3,350 | *3,350 | 34.52 |
| 1.5 m | kg | | | *11 950 | | *7650 | 7250 | *5650 | 4600 | *4700 | 3150 | 3900 | 2250 | | | *1650 | *1650 | 10.50 |
| 5.0 ft | lb | | | | | *16,450 | | *12,250 | | *10,150 | 6,700 | 8,350 | 4,750 | | | *3,600 | *3,600 | 34.46 |
| Ground | kg | | | *7450 | | *9250 | 6750 | *6600 | 4300 | 5200 | 3000 | 3850 | 2150 | | | *1850 | 1700 | 10.23 |
| Line | lb | | | | | *19,950 | | | 9,250 | 11,100 | 6,400 | 8,200 | 4,600 | | | *4,050 | 3,750 | 33.55 |
| –1.5 m | kg | *4800 | *4800 | *9050 | *9050 | *10 050 | 6450 | *7150 | 4150 | 5050 | 2900 | *3350 | 2100 | | | *2150 | 1900 | 9.67 |
| -5.0 ft | lb | *10,700 | *10,700 | ., | | *21,750 | 13,850 | | 8,850 | 10,850 | 6,200 | | | | | *4,750 | 4,150 | 31.69 |
| –3.0 m | kg | *7700 | *7700 | *12 400 | *12 400 | *10 150 | 6400 | 7200 | 4050 | 5050 | 2850 | | | | | *2700 | 2250 | 8.78 |
| -10.0 ft | lb | | *17,300 | | | *21,900 | 13,700 | 15,450 | 8,750 | 10,800 | 6,150 | | | | | *6,000 | 5,000 | 28.69 |
| –4.5 m | kg | *11 400 | *11 400 | *13 950 | 13 050 | *9350 | 6500 | *6700 | 4150 | | | | | | | *3800 | 3100 | 7.41 |
| -15.0 ft | lb | *25,700 | *25,700 | *30,000 | 27,950 | *20,100 | 13,950 | *14,350 | 8,900 | | | | | | | *8,500 | 6,950 | 24.06 |
| -6.0 m | kg | | | *10 600 | *10 600 | *7150 | 6750 | | | | | | | | | *5050 | 4750 | 5.66 |
| -20.0 ft | lb | | | *22,350 | *22,350 | *14,950 | 14,600 | | | | | | | | | *11,100 | 10,950 | 18.13 |
| -7.5 m | kg | | | | | | | | | | | | | | | | | |
| -25.0 ft | lb | | | | | | | | | | | | | | | | | |

^{*} Limited by hydraulic capacity rather than tipping load. The above loads are in compliance with SAE hydraulic excavator lift capacity rating standard J1097. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping capacity. Weight of all lifting accessories must be deducted from the above lifting capacities.



Load Point Height



Load Radius Over Front



Load Radius Over Side



Load at Maximum Reach

STICK – 2.9 m (9'7") **BUCKET** – 0.82 m³ (1.07 yd³) UNDERCARRIAGE – Long SHOES – 800 mm (32") triple grouser **BOOM** – 5.7 m (18'9") **HEAVY LIFT** – ON

| | | | | | | | | | | | | | | | _ | |
|-------------------------|-----------------|---------|----------|--------------------------|--------------------------|----------------------------|-----------------------|-------------------------|-------------------------|------------------------|----------------------|---------|----------|-------------------------|------------------------|----------------------|
| 12/ | | 1.5 m | (5.0 ft) | 3.0 m (| 10.0 ft) | 4.5 m (| 15.0 ft) | 6.0 m (| 20.0 ft) | 7.5 m (| 25.0 ft) | 9.0 m (| 30.0 ft) | | | |
| | <u></u> | | | | | | | | | | | | | | | m ft |
| 9.0 m 30.0 ft | kg lb | | | | | | | | | | | | | | | |
| 7.5 m 25.0 ft | kg lb | | | | | | | | | | | | | *2000 *4,450 | *2000 *4,450 | 7.84 25.38 |
| 6.0 m 20.0 ft | kg lb | | | | | | | | | *3650 | 3500 | | | *1900 *4,200 | *1900 *4,200 | 8.81 28.74 |
| 4.5 m 15.0 ft | kg lb | | | | | | | *4700 *10,200 | *4700 *10,200 | *4400 *9,600 | 3400 7.250 | | | *1900 * 4,150 | *1900 *4,150 | 9.38 30.71 |
| 3.0 m | kg | | | *11 300 | *11 300 | *7150 | *7150 | *5550 | 4850 | *4800 | 3300 | | | *1950 | *1950 | 9.64 |
| 10.0 ft | lb | | | *24,000 | *24,000 | *15,350 | *15,350 | *12,050 | 10,400 | *10,450 | 7,100 | | | *4,300 | *4,300 | 31.61 |
| 1.5 m | kg | | | | | *9000 | 7100 | *6500 | 4600 | *5300 | 3200 | | | *2100 | 2050 | 9.61 |
| 5.0 ft | lb | | | *0400 | *0400 | *19,350 | 15,300 | *14,050 | 9,850 | *11,450 | 6,800 | | | *4,650 | 4,500 | 31.54 |
| Ground | kg | | | *6400 | *6400 | *10 150 | 6750 | *7250 | 4400 | 5250 | 3100 | | | *2400 | 2150 | 9.30 |
| Line 1.5 m | lb | *5900 | *5900 | * 14,650 *9950 | * 14,650 *9950 | * 21,850 *10 450 | 14,500 6650 | * 15,650 7400 | 9,400 4300 | 11,300 5200 | 6,600 3050 | | | * 5,250 *2800 | 4,750 2450 | 30.52 8.68 |
| -5.0 ft | kg lb | *13,200 | *13,200 | *22,600 | | * 22,600 | 14,250 | 15,900 | 9,200 | 11,200 | 6,500 | | | *6,200 | 5,350 | 28.44 |
| -3.0 m | kg | *9950 | *9950 | *14 650 | 13 250 | *9950 | 6650 | *7250 | 4300 | 11,200 | 0,000 | | | *3600 | 3050 | 7.65 |
| -10.0 ft | lb | *22,300 | *22,300 | *31,700 | 28,350 | *21,550 | 14,300 | *15,600 | 9,200 | | | | | *8,000 | 6,700 | 24.97 |
| -4.5 m | kg | ,000 | ,000 | *12 150 | *12 150 | *8450 | 6850 | *5800 | 4450 | | | | | *4000 | *4000 | 6.02 |
| -15.0 ft | lb | | | *26,000 | *26,000 | *18,050 | 14,750 | , , , , , | | | | | | *9,300 | *9,300 | 19.59 |
| -6.0 m | kg | | | , | , | , | , | | | | | | | , | ,,,,,, | |
| -20.0 ft | lb | | | | | | | | | | | | | | | |

^{*} Limited by hydraulic capacity rather than tipping load. The above loads are in compliance with SAE hydraulic excavator lift capacity rating standard J1097. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping capacity. Weight of all lifting accessories must be deducted from the above lifting capacities.

Reach Boom Lift Capacities for 6 Metric Ton Counterweight



Load Point Height





Load Radius

Over Side



Load at Maximum Reach

STICK – 2.5 m (8'3") **BUCKET** – 0.82 m³ (1.07 yd³) UNDERCARRIAGE – Long SHOES – 800 mm (32") triple grouser **BOOM** – 5.7 m (18'9") **HEAVY LIFT** – ON

| 184 | | 1.5 m | (5.0 ft) | 3.0 m (| 10.0 ft) | 4.5 m (| 15.0 ft) | 6.0 m (2 | 20.0 ft) | 7.5 m (2 | 25.0 ft) | 9.0 m (| 30.0 ft) | | | |
|-------------------------|-----------------|---------|----------|---------|----------|---------|----------|-------------------------|------------------------|----------|----------|---------|----------|-------------------------|-------------------------|----------------------|
| | <u></u> | | | | | | | | | | | | | | | m ft |
| 9.0 m 30.0 ft | kg lb | | | | | | | | | | | | | | | |
| 7.5 m 25.0 ft | kg lb | | | | | | | | | | | | | *2400 *5,300 | *2400 *5,300 | 7.32 23.67 |
| 6.0 m | kg | | | | | | | *4550 | *4550 | | | | | *2250 | *2250 | 8.37 |
| 20.0 ft 4.5 m | lb kg | | | | | | | * 9,950 *5050 | * 9,950 5000 | *4700 | 3350 | | | * 5,000 *2250 | * 5,000 *2250 | 27.29 8.98 |
| 15.0 ft | lb | | | | | | | *11,000 | 10,750 | *10,250 | 7,150 | | | *4,950 | *4,950 | 29.38 |
| 3.0 m | kg | | | | | *7700 | 7550 | *5900 | 4800 | *5050 | 3300 | | | *2350 | 2250 | 9.25 |
| 10.0 ft | lb | | | | | *16,550 | 16,250 | *12,800 | 10,250 | *11,000 | 7,000 | | | *5,150 | 4,950 | 30.32 |
| 1.5 m | kg | | | | | *9400 | 7000 | *6800 | 4550 | 5350 | 3150 | | | *2550 | 2250 | 9.22 |
| 5.0 ft | lb | | | v ===== | ×==00 | *20,250 | 15,050 | *14,650 | 9,750 | 11,500 | 6,800 | | | *5,550 | 4,900 | 30.25 |
| Ground | kg | | | *5700 | *5700 | *10 300 | 6700 | *7400 | 4350 | 5250 | 3100 | | | *2850 | 2350 | 8.89 |
| Line | lb | *0400 | *0400 | *13,100 | *13,100 | *22,300 | 14,400 | *15,950 | 9,350 | 11,300 | 6,600 | | | *6,200 | 5,150 | 29.18 |
| -1.5 m | kg | *6400 | *6400 | *10 500 | *10 500 | *10 400 | 6650 | 7400 | 4300 | 5250 | 3050 | | | *3350 | 2650 | 8.23 |
| -5.0 ft | lb | *14,350 | *14,350 | *23,850 | | *22,500 | 14,250 | 15,900 | 9,200 | 11,250 | 6,550 | | | *7,400 | 5,900 | 26.97 |
| -3.0 m | kg | *11 350 | *11 350 | *13 850 | 13 350 | *9650 | 6700 | *7050 | 4350 | | | | | *4350 | 3450 | 7.13 |
| -10.0 ft | lb | *25,450 | *25,450 | *30,000 | | *20,900 | 14,400 | *15,100 | 9,300 | | | | | *9,600 | 7,600 | 23.25 |
| -4.5 m | kg | | | *10 900 | *10 900 | *7700 | 6950 | | | | | | | *5850 | 5150 | 5.50 |
| -15.0 ft | lb | | | *23,350 | *23,350 | *16,350 | 15,000 | | | | | | | *12,800 | 11,650 | 17.76 |
| -6.0 m | kg | | | | | | | | | | | | | | | |
| -20.0 ft | lb | | | | | | | | | | | | | | | |

^{*} Limited by hydraulic capacity rather than tipping load. The above loads are in compliance with SAE hydraulic excavator lift capacity rating standard J1097. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping capacity. Weight of all lifting accessories must be deducted from the above lifting capacities.



Load Point Height



Load Radius Over Front



Load Radius Over Side



Load at Maximum Reach – Coupler Curled

STICK – 2.9 m (9'7")
BUCKET – No Bucket, Bare Quick Coupler

UNDERCARRIAGE – Long **SHOES** – 800 mm (32") triple grouser

BOOM – 5.7 m (18'9") **HEAVY LIFT** – ON

| | | 1.5 m | (5.0 ft) | 3.0 m (| 10.0 ft) | 4.5 m (| 15.0 ft) | 6.0 m (| 20.0 ft) | 7.5 m (2 | 25.0 ft) | 9.0 m (| 30.0 ft) | | | |
|---------------------------|-----------------|---------|----------|---------|----------|---------|----------|-------------------------|-------------------------|-------------------------|----------------------|---------|----------|------------------------|------------------------|----------------------|
| | - | | | | | | | | | | | | | | | m ft |
| 9.0 m 30.0 ft | kg lb | | | | | | | | | | | | | | | |
| 7.5 m 25.0 ft | kg lb | | | | | | | | | | | | | *3200 *7,150 | *3200 *7,150 | 6.60 21.29 |
| 6.0 m 20.0 ft | kg lb | | | | | | | | | *3700 | *3700 | | | *3000 *6,600 | *3000 *6,600 | 7.67 24.97 |
| 4.5 m 15.0 ft | kg lb | | | | | | | *5100 *11,050 | *5100 *11,050 | *4800 *10,500 | 3750 8,050 | | | *2950 *6,500 | *2950 *6,500 | 8.33 27.26 |
| 3.0 m | kg | | | *11 650 | *11 650 | *7500 | *7500 | *5950 | 5150 | *5200 | 3650 | | | *3050 | 2850 | 8.69 |
| 10.0 ft | lb | | | *24,750 | *24,750 | *16,150 | *16,150 | *12,900 | 11,100 | *11,350 | 7,850 | | | *6,650 | 6,300 | 28.48 |
| 1.5 m | kg | | | | | *9350 | 7450 | *6900 | 4900 | *5700 | 3550 | | | *3200 | 2750 | 8.77 |
| 5.0 ft | lb | | | | | *20,200 | 16,000 | *14,950 | 10,550 | *12,250 | 7,550 | | | *7,050 | 6,050 | 28.79 |
| Ground | kg | | | *6850 | *6850 | *10 550 | 7100 | *7650 | 4700 | 5600 | 3450 | | | *3600 | 2800 | 8.60 |
| Line | lb | V 00=0 | × 00=0 | *15,650 | | *22,800 | 15,300 | *16,500 | 10,150 | 12,050 | 7,350 | | | *7,850 | 6,150 | 28.20 |
| -1.5 m | kg | *6250 | *6250 | *10 400 | *10 400 | *10 850 | 7000 | 7750 | 4600 | 5550 | 3400 | | | *4200 | 3000 | 8.14 |
| -5.0 ft | lb | *14,000 | *14,000 | *23,600 | | *23,550 | 15,000 | 16,600 | 9,900 | 11,950 | 7,250 | | | *9,250 | 6,650 | 26.67 |
| -3.0 m | kg | *10 350 | *10 350 | *15 150 | 13 650 | *10 400 | 7000 | *7650 | 4600 | | | | | *5400 | 3500 | 7.35 |
| -10.0 ft | lb | *23,250 | *23,250 | *32,750 | 29,250 | *22,450 | 15,050 | *16,500 | 9,950 | | | | | *11,950 | 7,750 | 23.99 |
| -4.5 m | kg | | | *12 550 | *12 550 | *8850 | 7150 | *6200 | 4750 | | | | | *6000 | 4700 | 6.09 |
| -15.0 ft | lb | | | *26,950 | *26,950 | *18,900 | 15,450 | | | | | | | *13,250 | 10,500 | 19.72 |
| −6.0 m −20.0 ft | kg lb | | | | | | | | | | | | | | | |
| -20.0 π | ιD | | | | | | | | | | | | | | | |

^{*} Limited by hydraulic capacity rather than tipping load. The above loads are in compliance with SAE hydraulic excavator lift capacity rating standard J1097. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping capacity. Weight of all lifting accessories must be deducted from the above lifting capacities.

Always refer to the appropriate Operation and Maintenance Manual for specific product information.

Reach Boom Lift Capacities for 6 Metric Ton Counterweight



Load Point Height



Load Radius Over Front



Load Radius Over Side



Load at Maximum Reach – Coupler Curled

STICK – 2.5 m (8'3")
BUCKET – No Bucket, Bare Quick Coupler

UNDERCARRIAGE – Long SHOES – 800 mm (32") triple grouser **BOOM** – 5.7 m (18'9") **HEAVY LIFT** – ON

| | | 1.5 m | (5.0 ft) | 3.0 m (| 10.0 ft) | 4.5 m (| 15.0 ft) | 6.0 m (| 20.0 ft) | 7.5 m (| 25.0 ft) | 9.0 m (| 30.0 ft) | | | |
|---------------------------|-----------------|---------|----------|-------------------------|-------------------------|---------------------------|-----------------------|-------------------------|-------------------------|-------------------------|----------------------|---------|----------|-------------------------|------------------------|----------------------|
| | - | | | | | | | | | | | | | | | m ft |
| 9.0 m 30.0 ft | kg lb | | | | | | | | | | | | | | | |
| 7.5 m 25.0 ft | kg lb | | | | | | | *4150 | *4150 | | | | | *3850 *8,600 | *3850 *8,600 | 6.06 19.49 |
| 6.0 m 20.0 ft | kg lb | | | | | | | *4950 *10,850 | *4950 *10.850 | | | | | *3550 *7,850 | *3550 *7,850 | 7.21 23.47 |
| 4.5 m 15.0 ft | kg lb | | | | | | | *5450 *11,850 | 5300 11.450 | *5100 *10.950 | 3700 7,950 | | | *3500 * 7,700 | 3400 7,450 | 7.92 25.89 |
| 3.0 m 10.0 ft | kg lb | | | | | *8100 *17,400 | 7850 16,850 | *6300 *13,650 | 5100 10,950 | *5450 *11,900 | 3600 7,750 | | | *3600 * 7,900 | 3100 6,750 | 8.29 27.18 |
| 1.5 m | kg | | | | | *9800 | 7350 | *7150 | 4850 | 5700 | 3500 | | | *3850 | 2950 | 8.38 |
| 5.0 ft | lb | | | V 0.4.0.0 | V 0 4 0 0 | *21,150 | 15,800 | *15,500 | 10,450 | 12,200 | 7,550 | | | *8,450 | 6,500 | 27.49 |
| Ground Line | kg lb | | | *6100 *14,000 | *6100 *14.000 | *10 750 *23,250 | 7050 15,200 | *7800 16,800 | 4700 10.100 | 5600 12,050 | 3450 7,350 | | | *4300 *9,500 | 3000 6.650 | 8.19 26.88 |
| -1.5 m | kg | *6750 | *6750 | *10 950 | *10 950 | *10 850 | 7000 | 7750 | 4650 | 5550 | 3400 | | | *5150 | 3300 | 7.71 |
| -5.0 ft | lb | *15,050 | *15,050 | *24,850 | *24,850 | *23,450 | 15,000 | 16,600 | 9,950 | 12,000 | 7,300 | | | *11,350 | 7,200 | 25.26 |
| –3.0 m | kg | *11 750 | *11 750 | *14 350 | 13 750 | *10 100 | 7050 | *7450 | 4650 | | | | | *6150 | 3900 | 6.87 |
| -10.0 ft | lb | *26,350 | *26,350 | *31,050 | 29,450 | *21,800 | 15,150 | *16,000 | 10,050 | | | | | *13,550 | 8,600 | 22.42 |
| –4.5 m | kg | | | *11 350 | *11 350 | *8100 | 7250 | | | | | | | *6200 | 5450 | 5.50 |
| -15.0 ft | lb | | | *24,250 | *24,250 | *17,200 | 15,650 | | | | | | | *13,650 | 12,350 | 17.77 |
| −6.0 m −20.0 ft | kg lb | | | | | | | | | | | | | | | |

^{*} Limited by hydraulic capacity rather than tipping load. The above loads are in compliance with SAE hydraulic excavator lift capacity rating standard J1097. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping capacity. Weight of all lifting accessories must be deducted from the above lifting capacities.

Always refer to the appropriate Operation and Maintenance Manual for specific product information.

Standard Equipment

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

Electrical

50 Ampere alternator

Base machine light (frame)

Horn

Pre-start monitoring system – checks for low fluids

(engine oil, coolant, hydraulic oil) prior to starting machine

Operator Environment

Air conditioner, heater, defroster with automatic climate

control

AM/FM Radio with antenna and 2 speakers

Ashtray with 24 volt lighter

Beverage/cup holder

Bolt-on Falling object Guarding System (FOGS) capability

Cab Glass

Openable and retractable two- piece front windshield

Sky-light, pop-up, polycarbonate

Coat hook

Floor mat

Instrument panel and gauges

Joysticks, console mounted, pilot operated

Light, interior

Literature compartment

Monitor, full graphic color display

Neutral lever (lock out) for all controls

Polycarbonate side windows

Positive filtered ventilation

Pressurized cab

Seat, suspension, with high back and head rest

Seat belt, retractable – 76 mm (3 in)

Storage compartment suitable for lunch box cooler

Sun shade (for skylight)

Travel control pedals with removable hand levers

Windows, Polycarbonate (mandatory attachment)

Windshield wiper and washer (upper and lower)

Engine/Power Train

C6.4 with ACERTTM Technology

Air intake heater

Air-to-air aftercooler (ATAAC)

24 volt electric start

HEUITM injectors

2300 m (7,500 ft) altitude capability without derate

Automatic engine speed control with one touch low idle

Cooling

Protection of 43° C (110° F) to -18° C (0° F)

at 50% concentration

Straight line travel

Two-speed auto-shift travel

Water separator in fuel line

Undercarriage

Grease lubricated track

Hydraulic track adjusters

Idler and center section track guards

Long undercarriage

Other Standard Equipment

Automatic swing parking brake

Auxiliary hydraulic valve

Capability of stackable valves (max of 3) for main valve

Capability of auxiliary circuit

Counterweight with lifting eyes

Door locks, cap locks and Caterpillar® one key security system

Fine swing control

Fully pressurized hydraulic system

Heavy lift

Mirrors (frame-right, cab left)

S•O•SSM quick sampling valves for engine and hydraulic oil

Wave fin radiator

Wiring provision for Product Link

Optional Equipment

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

Front Linkage

Booms

Reach 5.68 m (18 ft 7 in)

Sticks

Reach 2.9 m (9 ft 6 in)

Reach 2.5 m (8 ft 2 in)

Bucket Linkage

B1 Family

Boom Lowering Control Device

Electrical

Light, Boom – Right side

Lights, Cab mounted (2)

Machine Security System (MSS)

Power supply (12V-7 AMP)

Product Link (PL121SR/PL321SR

Travel Alarm (Mandatory attachment)

Guarding

Falling Object Guarding System (FOGS)

Front windshield guard

Full length, wire mesh

Heavy-duty bottom guards

Rubber bumpers (Side)

Track guiding guards

Sprocket end, idler end guard

Two-piece full length (center guard removed)

Vandalism guards

Operator Environment

Hand control pattern changer (ISO-SAE)

Rear window, secondary exit

Sunscreen – roller type

Seat, high back with air suspension and heater

Third pedal, straight travel

Wiper, Lower windshield

Washer, windshield

Engine/Power Train

High ambient cooling

For conditions up to 52° C (125° F)

Viscous clutch demand fan

Prefilter, air

Starting, Cold weather package

Two additional maintenance free batteries

High capacity starter motor

Heavy-duty cable

Jump-start receptacle

Water level indicator (Fuel)

Undercarriage

Track shoes

600 mm (24 in) double or triple grouser

700 mm (28 in) double or triple grouser

800 mm (32 in) Heavy-duty triple grouser

Auxiliary Hydraulics

Hammer Circuit

For single function (1 way/2 pump) hydraulic tools

Thumb Circuit

For double function (2 way/1 pump) hydraulic tools

Tool Control System

For single or double function, (1 or 2 way, 1 or 2 pump)

hydraulic tools

Joysticks with additional switches

Program up to 10 tools in memory

Capability of adding medium pressure

Medium pressure circuit for tools requiring medium pressure

Hydraulic pin grabber quick coupler and controller

Lines for booms and sticks

Work Tools

Wide offering of buckets, tips and sidecutters

320D LRR Hydraulic Excavator

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Featured machines in photos may include additional equipment.

See your Caterpillar dealer for available options.

AEHQ5872-04 (12-08) Replaces AEHQ5872-03

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