

| Engine | |
|--|---|
| Engine Model | Cat [®] C7 with ACERT™ Technology |
| Net Flywheel Power | 140 kW |
| Weights | |
| Operating Weight – Std. Undercarriage | 24 240 kg |
| Operating Weight – Long Undercarriage | 25 560 kg |

324D/324D L Hydraulic Excavator

The D Series incorporates innovations for improved performance and versatility.

Engine

✓ The Cat® C7 with ACERTTM Technology offers better fuel consumption and reduced wear. It works at the point of combustion to optimize engine performance and provide low exhaust emissions. By combining ACERT Technology with the new Economy Mode and Power Management, customers can balance the demands of performance and fuel economy to suit their requirements and application. pg. 4

Hydraulics

The hydraulic system has been designed Provides maximum space, wider to provide reliability and outstanding controllability. An optional Tool Control System provides enhanced flexibility. pg. 5

Operator Station

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. 6

Service and Maintenance

Fast, easy service has been designed in with extended service intervals, advanced filtration, convenient filter access and user-friendly electronic diagnostics for increased productivity and reduced maintenance costs. pg. 12

Complete Customer Support

Your Cat® dealer offers a wide range of services that can be set up under a customer support agreement when you purchase your equipment. The dealer will help you choose a plan that can cover everything from machine configuration to eventual replacement. pg. 13



Structures

Caterpillar design and manufacturing techniques assure outstanding durability and service life from these important components. **pg. 8**

Booms and Sticks

Three length of booms and five sticks are available to suit a variety of application conditions. The bucket linkage pins have been enlarged to improve reliability and durability. **pg. 9**

Work Tools – Attachments

✓ A variety of work tools, including buckets, couplers, hammers, and shears are available through Cat Work Tools. pg. 10



✓ New Feature

Engine

The Cat® C7 gives the 324D exceptional power and fuel efficiency unmatched in the industry for consistently high performance in all applications.



Cat C7. The Cat C7 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 local engine emission regulations for off-road applications. By combining ACERT Technology with the new Economy Mode and Power Management, customers can balance the demands of performance and fuel economy to suit their requirements and application.

Performance. The Cat C7 with ACERT Technology offers more power, and runs at lower speeds for better fuel efficiency and reduced wear.

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.

Fuel Delivery. The Cat C7 features electronic controls that govern the unit 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.

Flexible Fuel Options.

Economy Mode. Available as standard, economy mode is best utilized in light duty applications and offers the best fuel economy while maintaining the breakout forces and lift capacity enjoyed while in standard power mode.

Power Management. Power
Management optimizes machine
performance for each type of
application. The operator can change the
engine power on the monitor (password
protected) from standard to high.
The high power mode is recommended
for extremely productive and hard
digging applications. The standard
power mode is recommended for lighter
duty applications and optimizes fuel
efficiency.

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. The Cat C7 delivered a completely new layout that separates the cooling system from the engine compartment.

Air Cleaner. The radial seal air filter features a double-layered filter core for more efficient filtration and is located in a compartment behind the cab. A warning is displayed on the monitor when dust accumulates above a preset level.

Noise Reduction Technologies.

The engine mounts are rubber-isolating mounts matched with the engine package. Further noise reduction has been achieved through design changes to the isolated top cover, oil pan, multiple injection strategy, insulated timing cover, sculpted crankcase and gear train refinements.

Hydraulics

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

Component Layout. The 324D hydraulic system and component locations have been designed to provide a high level of system efficiency. The main pumps, control valves and hydraulic tank are located close together to allow for shorter tubes and lines between components which reduces friction loss and pressure drops in the lines. The layout further provides greater operator comfort by placing the radiator on the cab side of the upper structure. This allows incoming air to enter the engine compartment from the operator side and hot air and corresponding engine sound to exit on the opposite side away from the operator. This reduces engine compartment heat and sound being transmitted to the operator.

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.

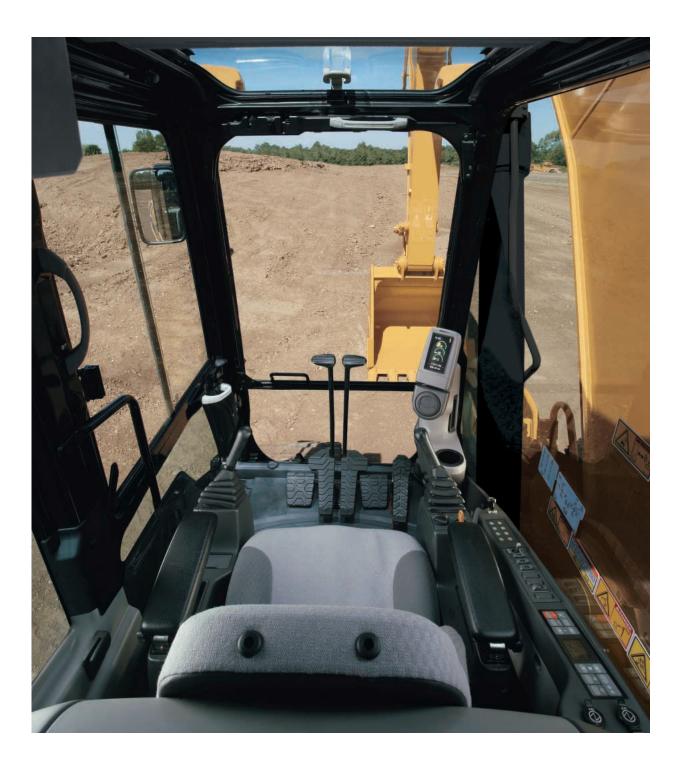


Auxiliary Hydraulic Valve. The auxiliary valve is standard on the 324D. Control Circuits are available as attachments, allowing for operation of high and medium pressure tools such as shears, grapples, hammers, pulverizers, multi-processors and vibratory plate compactors.

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.

Operator Station

Designed for comfort, simple and easy operation, the 324D allows the operator to focus on production.



Operator Station. The workstation is spacious, quiet and comfortable, assuring high productivity during a long work day. The air conditioner and attachment switches are conveniently located on the right-hand wall, and the key switch and throttle dial are on the right-hand console. The monitor is mounted in front of the right front cab post and is easy to see.

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.



Monitor. The monitor is a full color 400x234 pixels Liquid Crystal Display (LCD) graphic display. The monitor angle can be adjusted to minimize sun glare and has the capability of displaying information in twenty-seven different languages.

The Master Caution Lamp blinks ON and OFF when one of the critical conditions below occurs:

- Engine oil pressure low
- Coolant temperature high
- · Hydraulic oil temperature high

Under normal conditions or the default condition, the monitor display screen is divided into four areas; clock and throttle dial, gauge, event display and multi-information display.

Clock and Throttle Dial Display.

The clock and throttle dial position are displayed in this area. When Economy mode/Power management system is activated, the icon of the gas station icon will be indicated at the side of the throttle dial.

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

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 mark is displayed when no information is available to be displayed.

Joystick Control. Joystick controls have low lever effort and are designed to match the operator's natural wrist and arm position. The operator can operate joystick controls with an arm on the armrest and the horizontal and vertical strokes have been designed to reduce operator fatigue.

Seat. A new optional air suspension seat is available in the 324D. The standard and optional seats provide a variety of adjustments to suit the operator's size and weight including fore/aft, height and weight. Wide adjustable armrests and a retractable seat belt are also included.

Hydraulic Activation Control Lever.

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

Climate Control. Positive filtered ventilation with a pressurized cab is standard. Fresh air or re-circulated air can be selected with a switch on the left console.



Console. Redesigned consoles feature a simple, functional design to reduce operator fatigue, ease of switch operation and excellent visibility. Both consoles have attached armrests with height adjustments.

Cab Exterior. The exterior design uses thick steel tubing along the bottom perimeter of the cab, improving the resistance of fatigue and vibration. This design allows the FOGS to be bolted directly to the cab, at the factory or as an attachment later, enabling the machine to meet specifications and job site requirements.

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

Windows. To promote visibility, all glass is affixed directly to the cab, eliminating window frames. The upper front windshield opens, closes and stores on the roof above the operator with a one-touch action release system.

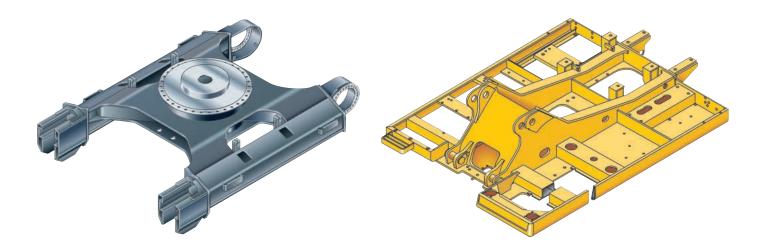
Wipers. Pillar-mounted wipers increase the operator's viewing area and offer continuous and intermittent modes.

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

Product Link. Product Link is now an attachment available from the factory.

Structures

324D structural components and undercarriage are the backbone of the machine's durability.



Robotic Welding. Up to 95% of the structural welds on a Caterpillar[®] Excavator are completed by robots. Robotic welds achieve over three times the penetration of manual welds.

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. **Main Frame.** Rugged main frame is designed for maximum durability and efficient use of materials.

Undercarriage. Durable Cat undercarriage absorbs stresses and provides excellent stability.

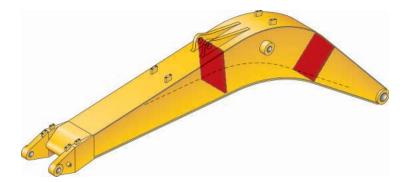
Rollers and Idlers. Sealed and lubricated track rollers, carrier rollers, and idlers provide excellent service life, to keep the machine in the field longer.

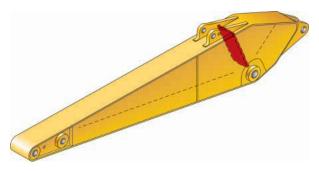
Standard Undercarriage. The standard undercarriage is well suited for applications that require frequent repositioning of the machine, have restricted working space or uneven, rocky terrain.

Long Undercarriage. The long (L) undercarriage maximizes stability and lift capacity. This long, wide, and sturdy undercarriage offers a very stable work platform.

Booms and Sticks

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





Booms, Sticks and Attachments.

Designed for maximum flexibility, productivity and high efficiency on all jobs, the 324D offers a wide range of configurations suitable for a variety of applications.

Front Linkage Attachments. Three lengths of booms and five types of sticks are available, offering a range of configurations suitable for a wide variety of application conditions.

Booms. The booms have large cross-sections and internal baffle plates to provide long life durability.

Sticks. The sticks are made of hightensile strength steel using a large box section design with interior baffle plates and an additional bottom guard.

Reach Boom. The reach boom features an optimum design that maximizes digging envelopes with three stick choices: R3.6B1, R2.95CB1 and R2.5CB1 Sticks

The B1 and CB1-family bucket associated with these sticks have enough capacity for excellent reach and depth in trenching and general construction applications.

R3.6B1 Stick

 Stick provides maximum reach at the expense of bucket size and forces.

R2.95CB1

 The most versatile front linkage and is a good fit for all 11-ton dump trucks with regard to reach and bucket capacity.

R2.5CB1

 Provides excellent digging envelope with large bucket sizes. **Mass Excavation Boom.** The mass excavation boom maximizes productivity. The mass version offers significantly higher digging forces and allows use of larger buckets.

M2.5DB and M2.0DB Sticks

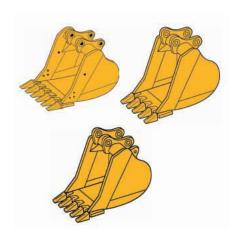
 The DB Stick uses a DB-family bucket and was designed for high volume earth moving, powerful digging force and a large capacity bucket. Combined with a Mass boom, this stick delivers outstanding productivity.

Linkage Pins. The bucket linkage pins have been enlarged to improve reliability and durability. All the pins in the front linkages have thick chrome plating, giving them high wear and corrosion resistance.

Bucket Linkage. The power link improves durability, increases machine-lifting capability in key lifting positions and is easier to use than compared to the previous lifting eye.

Work Tools – Attachments

The 324D has an extensive selection of work tools to optimize machine performance.



Service Life. Caterpillar buckets increase service life and reduce repair costs.

- Dual radius design for increased heel clearance and reduced wear
- Robot welding of hinge assembly for increased weld penetration and longer life
- Incorporates the new aggressive and easier to install, K SeriesTM GET tool system
- High strength and heat-treated steel that exceeds T-1 in high wear areas

Excavation Buckets (X). Excavation (X) buckets for digging in low-impact, moderately abrasive materials such as dirt, loam, gravel and clay.

Heavy Duty Buckets. Heavy duty (HD) buckets for a wide range of moderately abrasive applications such as mixed dirt, clay and rock. HD buckets have best loading and dumping characteristics and will empty easier in cohesive material. More robust construction than the GP buckets.

Heavy-Duty Power (HDP) Buckets.

For use in moderately abrasive applications where breakout force and cycle times are critical. Maximizes tip force and improves cycle times in most materials. Not for use in sticky material conditions. Cutting edge and GET are up-sized.

Heavy Duty Rock Buckets. Heavy duty rock for aggressive bucket loading in highly abrasive application such as shot rock and granite. Features include:

- Thickest wear plates to extend the life of bucket in severe applications
- Side wear plated extend further up the side of the bucket for maximum protection in rocky soils
- Buckets accept sidebar protectors for best sidebar protection, or sidecutters for best fill characteristics and bucket wear protection

Caterpillar Ground Engaging Tools

(GET). The new Caterpillar K Series GET is featured on the new buckets. This new GET system uses a hammerless vertical retainer, which is easier to remove and install than the Cat J Series pin. The new tooth shapes are more aggressive and offer better penetration than the previous generation of tips. There is also a variety of side cutters

and sidebar protectors to match

operating conditions.



Tool Control System. The optional tool control system maximizes work tool productivity by configuring hydraulic flow, pressure, and operator controls to match a specific work tool. System versatility enables a wide range of tools to be used.

Versatility

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



Hammer

Cat Hydraulic Hammers are precisely matched to Cat machines for optimum performance in a wide variety of demolition and construction applications.



Thumb

Cat thumbs multiply the capabilities of your excavator. This Highly versatile tool works in conjunction with the bucket to transform an excavator into a versatile material-handling machine.



Multi-processor

Multi-processors do the work of many types of demolition tools by use of interchangeable jaw sets. Changing jaws allows a single unit to crush, pulverize and perform a variety of specialized cutting tasks, such as cutting steel rebar and tanks.



Vibratory Plate Compactor

Caterpillar Vibratory Plate Compactors provide superior compaction force in a reliable, low-maintenance package. These units produce high-power impulses at a rate of 2,200 impacts per minute. The forces generated by this vibration drive soil particles close together for solid, stable compactions. Whether in a trench or on a slope, driving sheeting or posts, Cat Compactors are the superior choice for any jobsite's compaction tasks.



360° Scrap Shear

Caterpillar Scrap Shears feature 360° rotation and a high force-to-weight ratio. Used for demolishing steel structures, and preparing bulk scrap (such as cars, farm machinery and railroad cars) for further processing.



Pin-Grabber Quick Coupler

Pin-Grabber Plus Quick Couplers multiply the versatility and utility of Cat Excavators by allowing them to pick up and use virtually any work tool equipped with standard pins.

Dedicated Quick Coupler. Quick Couplers increase the versatility of Cat excavators; allowing the ease of changing work tools to meet job requirements at hand in a matter of minutes or seconds. Dedicated quick coupler buckets have no loss of tip radius, and develop maximum breakout force.

Service and Maintenance

Simplified service and maintenance features save you time and money.



Ground Level Service. The design and layout of the 324D 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 Compartment. The air filter 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.

Pump Compartment. A service door on the right side of the upper structure allows ground-level access to the pump and pilot filter.

Radiator Compartment. The left rear service door allows easy access to the engine radiator, oil cooler and air-to-air-after-cooler. A reserve tank and drain cock are attached to the radiator for simplified maintenance.

Capsule Filter. The hydraulic return filter, a capsule filter, is situated outside the hydraulic tank. This filter prevents contaminants from entering the system when hydraulic oil is changed and keeps the operation clean.



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

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

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

Diagnostics and Monitoring. The 324D 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. 324D service and maintenance intervals have been extended to reduce machine service time and increase machine availability.

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.

Purchase. Look past initial price. Consider the financing options available as well as day-to-day operating costs. This is also the time to look at dealer services that can be included in the cost of the machine to yield lower equipment owning and operating costs over the long run.

Customer Support Agreements.

Cat dealers offer a variety of product support agreements, and work with customers to develop a plan the best meets specific needs. These plans can cover the entire machine, including attachments, to help protect the customer's investment. **Operation.** Improving operating techniques can boost your profits. Your Cat dealer has videotapes, literature and other ideas to help you increase productivity, and Caterpillar offers certified operator training classes to help maximize the return on your investment.

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™.

| Engine | |
|----------------------|---------------------------------|
| Engine Model | Cat C7 with ACERT Technology |
| Net Flywheel Power | 140 kW |
| Net Power – ISO 9249 | 140 kW |
| Bore | 110 mm |
| Stroke | 127 mm |
| Displacement | 7.2 L |

- 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 needed up to 2300 m.

Weights

| Operating Weight – Std. Undercarriage | 24 240 kg |
|---------------------------------------|-----------|
| Operating Weight – Long Undercarriage | 25 560 kg |

- Reach boom, R2.95CB1 Stick, 1.0 m3 Bucket, 600 mm Shoes
- Reach boom, R2.95CB1 Stick, 1.1 m3 Bucket, 800 mm Shoes

| Track | |
|-----------------------------------|--------|
| Standard w/Standard Undercarriage | 600 mm |
| Standard w/Long Undercarriage | 800 mm |
| Optional – Triple Grouser | 600 mm |
| Optional | 700 mm |
| Optional – Double Grouser | 600 mm |

| Swing Mechanism | |
|-----------------|-----------|
| Swing Speed | 9.6 rpm |
| Swing Torque | 73.4 kN•m |

| Drive | |
|----------------------|----------|
| Maximum Drawbar Pull | 227 kN |
| Maximum Travel Speed | 5.5 km/h |

| Hydraulic System | |
|-------------------------------------|------------|
| Main Implement System – | 235 L/min |
| Maximum Flow (2x) | |
| Max. Pressure – Equipment | 35 000 kPa |
| Max. Pressure – Travel | 35 000 kPa |
| Max. Pressure – Swing | 24 500 kPa |
| Pilot System – Maximum Flow | 32.4 L/min |
| Pilot System – Maximum Pressure | 3900 kPa |
| Boom Cylinder – Bore | 135 mm |
| Boom Cylinder – Stroke | 1305 mm |
| Stick Cylinder – Bore | 140 mm |
| Stick Cylinder – Stroke | 1660 mm |
| B1 Family Bucket Cylinder – Bore | 120 mm |
| B1 Family Bucket Cylinder – Stroke | 1104 mm |
| CB1 Family Bucket Cylinder – Bore | 130 mm |
| CB1 Family Bucket Cylinder – Stroke | 1156 mm |
| DB Family Bucket Cylinder – Bore | 150 mm |
| DB Family Bucket Cylinder – Stroke | 1151 mm |

| Service Refill Capacities | | | |
|-----------------------------------|-------|--|--|
| Fuel Tank Capacity | 520 L | | |
| Cooling System | 30 L | | |
| Engine Oil | 30 L | | |
| Swing Drive | 10 L | | |
| Final Drive (each) | 6 L | | |
| Hydraulic System (including tank) | 300 L | | |
| Hydraulic Tank | 145 L | | |

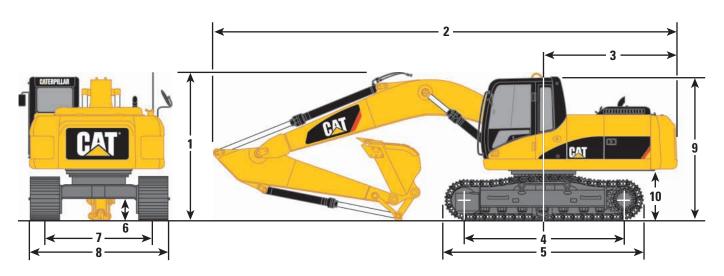
| Sound Performance | |
|-------------------|----------------|
| Performance | ANSI/SAE J1166 |
| | APR 90 |

- 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 Boom 5.9 m | | Mass Boom 5.3 m | | |
|--------------------------------------|---------------------|-------------|--------------------|------------------|---------|
| Stick Options | R3.6B1 | R2.95CB1 | R2.5CB1 | M2.5DB | M2.0DB |
| 1 Shipping height** | 3430 mm | 3170 mm | 3300 mm | 3450 mm | 3320 mm |
| 2 Shipping length | 10 050 mm | 10 060 mm | 10 100 mm | 9480 mm | 9610 mm |
| 3 Tail swing radius | 2940 mm | 2940 mm | 2940 mm | 2940 mm | 2940 mm |
| Undercarriage | Fi | Fixed Gauge | | Long Fixed Gauge | |
| 4 Length to center of rollers | , | 3450 mm | | 3830 mm | |
| 5 Track length | | 4250 mm | | 4630 mm | |
| 6 Ground clearance*** | | 470 mm | | 470 mm | |
| 7 Track gauge | | 2390 mm | | 2590 mm | |
| 8 Track width* | | 2990 mm | | 3390 mm | |
| 9 Cab height** | | 2980 mm | | 2980 mm | |
| 10 Counterweight clearance*** | 1060 mm | | 1060 mr | n | |

^{*} Track width shown is for 600 mm track shoes for Fixed Gauge and 800 mm for Long Fixed Gauge.

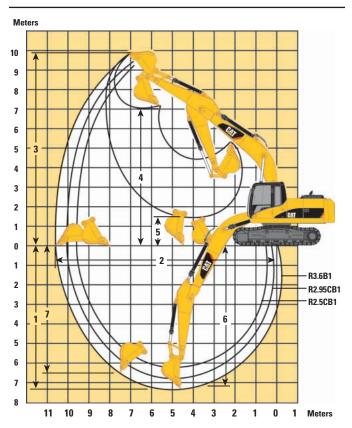
^{**} Includes 30 mm shoe lug height. *** Without 30 mm shoe lug height.

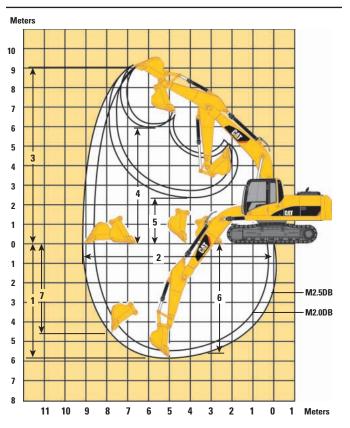
Reach Excavator Working Ranges

Reach (R) boom configuration

Mass Excavator Working Ranges

Mass (M) boom configuration

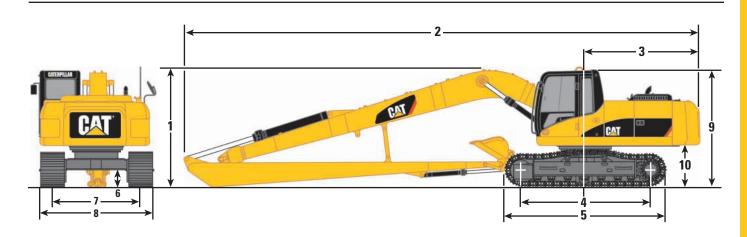




| Boom Options | | Reach Boom | | Mass B | Boom |
|--|-----------|------------|---------|---------|---------|
| Stick Options | R3.6B1 | R2.95CB1 | R2.5CB1 | M2.5DB | M2.0DB |
| 1 Maximum digging depth | 7300 mm | 6740 mm | 6290 mm | 5910 mm | 5410 mm |
| 2 Maximum reach at ground level | 10 550 mm | 10 030 mm | 9620 mm | 9110 mm | 8650 mm |
| 3 Maximum cutting height | 9880 mm | 9660 mm | 9460 mm | 9060 mm | 8830 mm |
| 4 Maximum loading height | 7070 mm | 6700 mm | 6500 mm | 5970 mm | 5750 mm |
| 5 Minimum loading height | 1910 mm | 2470 mm | 2930 mm | 2360 mm | 2860 mm |
| 6 Maximum depth cut for 2240 mm level bottom | 7140 mm | 6560 mm | 6080 mm | 5720 mm | 5190 mm |
| 7 Maximum vertical wall digging depth | 6540 mm | 5830 mm | 5390 mm | 4590 mm | 4120 mm |
| Bucket digging force (SAE) | 131 kN | 154 kN | 154 kN | 198 kN | 198 kN |
| (ISO) | 149 kN | 174 kN | 174 kN | 222 kN | 222 kN |
| Stick digging force (SAE) | 105 kN | 118 kN | 138 kN | 135 kN | 154 kN |
| (ISO) | 108 kN | 122 kN | 143 kN | 140 kN | 160 kN |

Dimensions

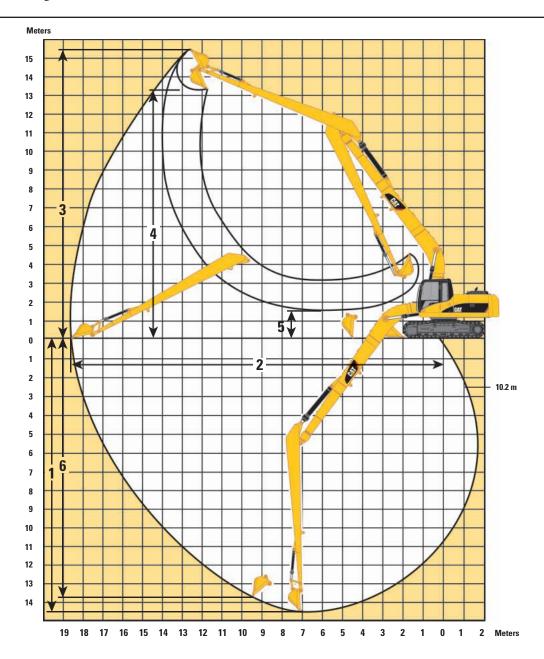
All dimensions are approximate.



| Вс | oom Options | Super Long Reach Boom 10.2 m |
|----|-----------------------------|---------------------------------|
| St | ick Options | 7.85 m |
| 1 | Shipping height | 3150 mm |
| 2 | Shipping length | 14 340 mm |
| 3 | Tail swing radius | 3000 mm |
| 4 | Length to center of rollers | 3830 mm |
| 5 | Track length | 4630 mm |
| 6 | Ground clearance | 440 mm |
| 7 | Track gauge | 2590 mm |
| 8 | Transport width | |
| | 800 mm shoes (standard) | 3390 mm |
| | 700 mm shoes (optional) | 3290 mm |
| | 600 mm shoes (optional) | 3190 mm |
| 9 | Cab height | 2980 mm |
| 10 | Counterweight clearance | 1060 mm |

Reach Excavator Working Ranges

Reach (R) boom configuration



| Boom Options | Super Long Reach Boom 10.2 m |
|---------------------------------------|---------------------------------|
| Stick Options | 7.85 m |
| Bucket Options | DC 0.61 m ³ |
| 1 Maximum digging depth | 14 594 mm |
| 2 Maximum reach at ground level | 18 603 mm |
| 3 Maximum cutting height | 15 411 mm |
| 4 Maximum loading height | 13 285 mm |
| 5 Minimum loading height | 1483 mm |
| 6 Maximum vertical wall digging depth | 13 922 mm |

Major Component Weights

| | | kg |
|--|------------------|--------|
| Base machine with counterweight and 800 mm shoes (without front linkage) | With 600 mm shoe | 19 450 |
| | With 800 mm shoe | 20 740 |
| Two boom cylinders (each) | | 227 |
| Counterweight | | |
| Non-removal type | | 4520 |
| Boom (includes lines, pins and stick cylinder) | | |
| Reach boom | | 2033 |
| Mass boom | | 2138 |
| Stick (includes lines, pins, bucket cylinder and linkage) | | |
| R3.6B1 | | 1199 |
| R2.95CB1 | | 1208 |
| R2.5CB1 | | 1149 |
| M2.5DB | | 1470 |
| M2.0DB | | 1385 |
| Track roller frame [includes frame, rollers, idlers, steps, guards, | With 600 mm shoe | 7950 |
| final drive, 800 mm shoes] – each | With 800 mm shoe | 9240 |

324D Bucket Specifications and Compatibility

| | Capacity* | Width | Tip Radius | Weight (w/o tips) | Teeth | Total Weight | | Reach Stick | | | ass ick |
|-------------|-----------|-------|---------------|----------------------|-------|-----------------|----------|----------------|----------|--------|------------|
| | m^3 | mm | mm | kg | Qty | kg | R3.6B1 | R2.95CB1 | R2.5CB1 | M2.5DB | M2.0DB |
| B1 Buckets | | | | | | | | | | | |
| Excavation | 0.9 | 1092 | 1488 | 647 | 5 | 647 | • | • | • | _ | _ |
| CB1 Buckets | | | | | | | | | | | |
| Excavation | 1.0 | 1232 | 1555 | 822 | 5 | 822 | - | • | • | _ | _ |
| | 1.1 | 1320 | 1555 | 857 | 5 | 857 | 0 | - | - | _ | _ |
| | 1.2 | 1420 | 1555 | 896 | 5 | 896 | 0 | 0 | - | _ | _ |
| DB Buckets | | | | | | | | | | | |
| Excavation | 1.4 | 1472 | 1660 | 1124 | 5 | 1124 | _ | _ | | 0 | • |
| | 1.5 | 1559 | 1660 | 1167 | 5 | 1167 | _ | _ | _ | 0 | Θ |

324D L Bucket Specifications and Compatibility

| | Capacity* | Width | Tip Radius | Weight (w/o tips) | Teeth | Total Weight | | Reach Stick | | | ass ick |
|--------------------|-----------|-------|---------------|----------------------|-------|-----------------|----------------------|----------------|---------|----------------------|------------|
| | m³ | mm | mm | kg | Ωty | kg | R3.6B1 | R2.95CB1 | R2.5CB1 | M2.5DB | M2.0DB |
| B1 Buckets | | | | | | | | | | | |
| Excavation | 0.9 | 1092 | 1488 | 647 | 5 | 647 | • | • | • | _ | _ |
| CB1 Buckets | | | | | | | | | | | |
| Excavation | 1.0 | 1232 | 1555 | 822 | 5 | 822 | • | • | • | _ | _ |
| | 1.1 | 1320 | 1555 | 857 | 5 | 857 | $\overline{\bullet}$ | • | • | _ | _ |
| | 1.2 | 1420 | 1555 | 896 | 5 | 896 | $\overline{\bullet}$ | • | • | _ | |
| DB Buckets | | | | | | | | | | | |
| Excavation | 1.4 | 1472 | 1660 | 1124 | 5 | 1124 | _ | _ | _ | $\overline{\bullet}$ | • |
| | 1.5 | 1559 | 1660 | 1167 | 5 | 1167 | _ | _ | _ | $\overline{\bullet}$ | - |

Assumptions for maximum material density rating:

- 1. Front linkage fully extended at ground line
- 2. Bucket curled
- 3. 100% bucket fill factor
- * 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 max material density
- 1800 kg/m³ max material density
- O 1500 kg/m³ max material density
- ∴ 1200 kg/m³ max material density
- Not Available

324D/324D L Work Tool Matching Guide

| Boom Options | | Reach Boom 5.9 m | | Mass Boom 5.3 m | | | |
|---------------------------|--------------------|---------------------|--------------------|--------------------|--------------------|--|--|
| Stick Options | R3.6CB | R2.95CB | R2.5CB | M2.5DB | M2.0DB | | |
| Hydraulic Hammer | H115Cs/ | H115Cs/ | H115Cs/ | H115Cs/ | H115Cs/ | | |
| | H120Cs/ | H120Cs/ | H120Cs/ | H120Cs/ | H120Cs/ | | |
| | H130Ds | H130Ds | H130Ds | H130Ds | H130Ds | | |
| Vibratory Plate Compactor | CVP110 | CVP110 | CVP110 | CVP110 | CVP110 | | |
| Multi-Processor | MP20 | MP20 | MP20 | n/a | n/a | | |
| 360 Scrap Shear | S320 | S320 | S320 | n/a | n/a | | |
| Trash Grapple | 2.7 m ³ | 2.7 m ³ | 2.7 m ³ | 3.1 m ³ | 3.1 m ³ | | |
| Contractors' Grapple | yes | yes | yes | n/a | n/a | | |
| Hydraulic Thumb | yes | yes | yes | n/a | n/a | | |
| Dedicated Quick Coupler | yes | yes | yes | yes | yes | | |
| Pin-Grabber Quick Coupler | yes | yes | yes | yes | yes | | |

Reach Boom Lift Capacities



Load Point Height



Load Radius Over Front



Load Radius Over Side



Load at Maximum Reach

R2.95B1 STICK – 2950 mm **BUCKET** – 1.1 m³

UNDERCARRIAGE – Long **SHOES** – 600 mm triple grouser

BOOM - 5900 mm

| 13 | | 1.5 | i m | 3.0 |) m | 4.5 | i m | 6.0 |) m | 7.5 | m | 4 | | |
|----------------|---------|---------|---------|---------|---------|---------|------|-------|------|-------|------|-------|-------|------|
| | <u></u> | P. | | | | | | U | | | | | | m |
| 7.5 m | kg | | | | | | | | | | | *2900 | *2900 | 8.12 |
| 6.0 m | kg | | | | | | | | | *4900 | 4100 | *2850 | *2850 | 9.04 |
| 4.5 m | kg | | | | | | | *6250 | 6050 | *5700 | 4050 | *2900 | 2550 | 9.58 |
| 3.0 m | kg | | | | | *9650 | 9100 | *7350 | 5700 | 6200 | 3900 | *3050 | 2350 | 9.81 |
| 1.5 m | kg | | | | | *11 850 | 8350 | *8550 | 5350 | 6000 | 3700 | *3300 | 2300 | 9.76 |
| Ground Line | kg | | | *5500 | *5500 | *13 150 | 7900 | 8350 | 5100 | 5850 | 3550 | *3700 | 2400 | 9.43 |
| –1.5 m | kg | *5700 | *5700 | *9450 | *9450 | *13 350 | 7750 | 8200 | 4950 | 5750 | 3500 | *4400 | 2700 | 8.80 |
| –3.0 m | kg | *10 000 | *10 000 | *14 850 | *14 850 | *12 600 | 7800 | 8250 | 4950 | | | 5550 | 3400 | 7.77 |
| -4.5 m | kg | | | *15 050 | *15 050 | *10 700 | 8050 | *7600 | 5150 | | | *5350 | 5150 | 6.16 |

^{*} 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.

R2.5B1 STICK – 2500 mm **BUCKET** – 1.2 m³

UNDERCARRIAGE – Long SHOES – 600 mm triple grouser **BOOM** - 5.9 m

| 184 | | 3.0 |) m | 4.5 | m | 6.0 | m | 7.5 | m | 5 | | |
|----------------|---------|---------|---------|---------|-------|-------|-------|-------|------|-------|-------|------|
| | <u></u> | P. | | | | | | U | | U | | m |
| 7.5 m | kg | | | | | *5800 | *5800 | | | *4000 | *4000 | 7.60 |
| 6.0 m | kg | | | | | *5950 | *5950 | | | *3900 | 3200 | 8.59 |
| 4.5 m | kg | | | *8050 | *8050 | *6700 | 5950 | *6050 | 3950 | *3950 | 2750 | 9.16 |
| 3.0 m | kg | | | *10 400 | 8900 | *7800 | 5600 | 6150 | 3850 | *4150 | 2550 | 9.40 |
| 1.5 m | kg | | | *12 400 | 8150 | 8600 | 5250 | 5950 | 3700 | 4100 | 2500 | 9.35 |
| Ground Line | kg | | | *13 300 | 7800 | 8350 | 5050 | 5800 | 3550 | 4350 | 2600 | 9.00 |
| -1.5 m | kg | *9900 | *9900 | *13 200 | 7750 | 8250 | 4950 | 5800 | 3500 | 4950 | 3000 | 8.33 |
| –3.0 m | kg | *16 300 | 16 250 | *12 150 | 7850 | 8300 | 5000 | | | *5500 | 3900 | 7.22 |
| -4.5 m | kg | *13 400 | *13 400 | *9750 | 8200 | | | | | *7350 | 5750 | 5.64 |

^{*} 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.

R2.95B1 STICK – 2950 mm **BUCKET** – 1 m³

UNDERCARRIAGE – Standard **SHOES** – 600 mm triple grouser

BOOM - 5900 mm

| 1# | | 1.5 | i m | 3.0 m | | 4.5 m | | 6.0 m | | 7.5 m | | | | | |
|----------------|---------|----------------|---------|---------|--------|---------|------|-------|------|-------|------|-------|-------|------|--|
| | <u></u> | P ₀ | | | | | | | | | | | | m | |
| 7.5 m | kg | | | | | | | | | | | *2950 | *2950 | 8.12 | |
| 6.0 m | kg | | | | | | | | | *4950 | 3650 | *2850 | 2600 | 9.04 | |
| 4.5 m | kg | | | | | | | *6250 | 5400 | 5350 | 3600 | *2900 | 2250 | 9.58 | |
| 3.0 m | kg | | | | | *9650 | 8050 | *7400 | 5050 | 5200 | 3450 | *3050 | 2050 | 9.81 | |
| 1.5 m | kg | | | | | 11 650 | 7300 | 7250 | 4700 | 5000 | 3250 | 3200 | 2000 | 9.76 | |
| Ground Line | kg | | | *5500 | *5500 | 11 150 | 6900 | 6950 | 4450 | 4850 | 3100 | 3350 | 2100 | 9.43 | |
| -1.5 m | kg | *5750 | *5750 | *9450 | *9450 | 10 950 | 6750 | 6800 | 4350 | 4800 | 3050 | 3750 | 2350 | 8.80 | |
| –3.0 m | kg | *10 050 | *10 050 | *14 850 | 13 700 | 11 050 | 6800 | 6850 | 4350 | | | 4650 | 3000 | 7.77 | |
| -4.5 m | kg | | | *15 050 | 14 200 | *10 700 | 7050 | 7000 | 4500 | · | · | *5400 | 4550 | 6.16 | |

^{*} 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.

Mass Boom Lift Capacities



Load Point Height



Load Radius Over Front



Load Radius Over Side



Load at Maximum Reach

M2.5DB STICK – 2500 mm **BUCKET** – 1.4 m³

UNDERCARRIAGE – Long **SHOES** – 600 mm triple grouser

BOOM - 5300 mm

| 14 | | 1.5 | i m | 3.0 |) m | 4.5 | i m | 6.0 |) m | 7.5 | m | 4 | | |
|----------------|---------|---------|---------|---------|---------|---------|------|-------|------|-------|------|-------|-------|------|
| | <u></u> | U | | | | | | | | U | | | | m |
| 7.5 m | kg | | | | | | | | | | | *3500 | *3500 | 6.95 |
| 6.0 m | kg | | | | | | | *6000 | 5900 | | | *3300 | *3300 | 8.05 |
| 4.5 m | kg | | | | | | | *6500 | 5750 | *4700 | 3650 | *3300 | 2800 | 8.66 |
| 3.0 m | kg | | | | | *9600 | 8950 | *7500 | 5450 | 5850 | 3550 | *3500 | 2550 | 8.92 |
| 1.5 m | kg | | | | | *11 700 | 8150 | 8450 | 5100 | 5700 | 3400 | *3800 | 2500 | 8.87 |
| Ground Line | kg | | | *8550 | *8550 | *12 900 | 7700 | 8200 | 4850 | 5600 | 3300 | *4350 | 2650 | 8.49 |
| –1.5 m | kg | *7950 | *7950 | *14 200 | *14 200 | *12 950 | 7550 | 8050 | 4750 | | | *5300 | 3150 | 7.75 |
| –3.0 m | kg | *14 250 | *14 250 | *17 000 | 16 050 | *11 700 | 7700 | 8150 | 4850 | | | *5850 | 4450 | 6.50 |
| −4.5 m | kg | | | | | *8200 | 8150 | | | | | *7450 | 7450 | 4.76 |

^{*} 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.

Super Long Reach Boom Lift Capacities



Load Point Height



Load Radius Over Front



Load Radius Over Side



Load at Maximum Reach – Bucket Curled

BOOM – 10.2 m **STICK** – 7.85 m

BUCKET – 1142 mm 0.60 m³ 291 kg SHOES – 800 mm triple grouser UNDERCARRIAGE – Long HEAVY LIFT – On

| 124 | | 6.0 | m | 7.5 | i m | 9.0 | m | 10. | 5 m | 12.0 |) m | 13. | 5 m | 15.0 | 0 m | 4 | | |
|----------------|----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | | | | | | | | | | | | | | | | | m |
| 12.0 m | kg | | | | | | | | | | | | | | | *980 | *980 | 15.24 |
| 10.5 m | kg | | | | | | | | | | | *1630 | *1630 | *1710 | *1710 | *930 | *930 | 16.16 |
| 9.0 m | kg | | | | | | | | | | | *1610 | *1610 | *1680 | *1680 | *900 | *900 | 16.89 |
| 7.5 m | kg | | | | | | | | | | | *1730 | *1730 | *1710 | *1710 | *870 | *870 | 17.01 |
| 6.0 m | kg | | | | | | | | | | | *1820 | *1820 | *1790 | 1680 | *870 | *870 | 17.62 |
| 4.5 m | kg | | | | | | | | | *2070 | *2070 | *1960 | *1960 | *1890 | 1600 | *880 | *880 | 17.99 |
| 3.0 m | kg | | | | | *2860 | *2860 | *2530 | *2530 | *2300 | *2300 | *2130 | 1910 | *2010 | 1510 | *910 | 880 | 18.22 |
| 1.5 m | kg | *5290 | *5290 | *4060 | *4060 | *3330 | *3330 | *2860 | 2820 | *2540 | 2230 | *2300 | 1780 | *2140 | 1420 | *930 | 860 | 18.32 |
| Ground Line | kg | *6250 | 5670 | *4690 | 4220 | *3770 | 3260 | *3180 | 2580 | *2770 | 2060 | *2480 | 1660 | *2270 | 1330 | *950 | 850 | 18.28 |
| –1.5 m | kg | *6950 | 5140 | *5220 | 3830 | *4160 | 2980 | *3470 | 2370 | *2990 | 1910 | *2650 | 1550 | 2240 | 1260 | *1000 | 860 | 18.12 |
| –3.0 m | kg | *7400 | 4820 | *5600 | 3570 | *4470 | 2770 | *3710 | 2210 | 3090 | 1790 | 2580 | 1460 | 2180 | 1200 | *1080 | 890 | 17.82 |
| -4.5 m | kg | *7650 | 4670 | *5850 | 3410 | 4550 | 2640 | 3650 | 2100 | 3000 | 1710 | 2520 | 1400 | 2140 | 1160 | *1180 | 960 | 17.36 |
| -6.0 m | kg | *7710 | 4630 | 5840 | 3340 | 4480 | 2570 | 3590 | 2040 | 2950 | 1660 | 2480 | 1370 | 2130 | 1150 | *1310 | 1090 | 16.74 |
| –7.5 m | kg | *7600 | 4670 | 5850 | 3350 | 4460 | 2550 | 3570 | 2030 | 2950 | 1650 | 2490 | 1380 | 2160 | 1180 | *1500 | 1230 | 15.94 |
| –9.0 m | kg | *7310 | 4800 | *5780 | 3420 | 4510 | 2600 | 3610 | 2060 | 2990 | 1690 | 2550 | 1440 | | | *1770 | 1480 | 14.92 |
| -10.5 m | kg | *6800 | 4990 | *5420 | 3550 | *4430 | 2710 | *3670 | 2160 | *3010 | 1800 | | | | | *2200 | 1870 | 13.63 |
| -12.0 m | kg | *5970 | 5280 | *4780 | 3770 | *3870 | 2890 | *3090 | 2350 | | | | | | | *2590 | *1930 | 11.96 |
| –12.0 m | kg | *4620 | *4620 | *3630 | *3630 | *2700 | *2700 | | | | | | | | | | | |

^{*} 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.

Upper Structure

Electrical

Alternator, 80A

Light, storage box mounted (one)

Signaling/Warning horn

Engine

Cat C7 with ACERT Technology

2300 m altitude capability with no deration

Air intake heater

Automatic engine speed control

Radial seal air filter

Water separator in fuel line

Waved fin radiator with space for cleaning

2 micron fuel filter

Automatic swing parking brake

Boom drift reducing valve

Boom lowering device for back-up

Caterpillar one key security system

Counterweight

Door locks and cap locks

Mirrors, rearview (frame-right, cab-left)

Regeneration circuit for boom and stick

Reverse swing damping valve

Stick drift reducing valve

Two speed travel

Operator Station

Cab

Adjustable armrest

Ashtray with lighter

Beverage holder

Bi-Level air conditioner (automatic) with defroster

Bolt-on FOGS capability

Capability of installing two additional pedals

Coat hook

Front windshield glass split 70/30

Interior lighting

Literature holder

Mounting for two stereo speakers (two locations)

Neutral lever (lock out) for all controls

Openable front windshield with assist device

Openable skylight

Pillar mounted upper windshield wiper and washer

Pressurized cab (positive filtered ventilation)

Radio mounting (DIN size)

Rear window, emergency exit

Removable lower windshield with in-cab storage bracket

Seat with integrated, adjustable console

Seat belt, retractable (50.8 mm width)

Sliding upper door window

Storage compartment suitable for lunch box

Travel control pedals with removable hand levers

Utility space for magazine

Washable floor mat

Monitor

Economy mode

Full time clock

Language display – Full color and graphical display

Machine condition, error code and tool mode setting

Start-up level check for hydraulic oil, engine oil and coolant

Warning information, filter/fluid change information

and working hour

Undercarriage

Grease lubricated GLT2, resin seal

Idler and center section track guiding

800 mm triple grouser track shoe (324D L)

600 mm triple grouser track shoes (324D)

Optional Equipment

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

Front Linkage

Bucket linkage, B1-family with lifting eye

Bucket linkage, CB1-family with lifting eye

Bucket linkage, DB-family with lifting eye

Heavy-duty 5.9 m reach boom (with left and right side light)

Heavy-duty 2.95 m stick for heavy-duty reach boom

Reach boom 5.9 m with left and right side light

R3.6B1 3600 mm stick

R2.95CB1 2950 mm stick

R2.5CB1 2500 mm stick

Mass boom 5.3 m with left and right side light

M2.5DB 2500 mm stick

M2.0DB 3200 mm stick

Track

Standard undercarriage

700 mm triple grouser shoes

800 mm triple grouser shoes

Long Undercarriage

600 mm triple grouser shoes

700 mm triple grouser shoes

Guards

FOGS, bolt-on

Guard, cab front

Guard, cab top

Guard, full length for long undercarriage (two piece)

Guard, heavy-duty bottom, 4 mm, with out swivel

guard and travel motor protection

Guard, track end guide for long undercarriage

Guard, track end guide for standard undercarriage

Guard, vandalism

Heavy-duty swivel protection, 16 mm, swivel guard only

Heavy-duty travel motor protection

Net for front guard (full net, one piece)

Net for front guard (half net, one piece)

Swivel protection, 6 mm, swivel guard only

Auxiliary Hydraulics and Lines

Additional circuit

Hammer return filter circuit

Boom and stick lines

Cat quick coupler line (high and medium pressure capable)

Drain line

High pressure line

Medium pressure line

Quick coupler

Quick coupler for high pressure

Tool control system

Configuration 1 (hammer 1), foot pedal operated 1P,

one-way circuit

Configuration 2 (common), foot pedals operated 1/2P,

common circuit

Configuration 3 (hammer 2), foot pedal operated 2P,

one-way circuit

Operator Station

Tempered glass windows

Polycarbonate windows

Power supply, 12V-7A (1)

Power supply, 12V-7A (2)

Rear window emergency exit

Seat, high-back air suspension

Seat, high-back air suspension with heater

Seat, high-back mechanical suspension

Seat, low-back suspension without headrest

Headrest

Sunscreen

Windshield wiper, lower with washer

Working lights, cab mounted

Rain protector for front windshield

Sun visor

AM/FM radio

Control pattern quick-changer, two way

Control pattern quick-changer, four way

Cat MSS (anti-theft device)

Lunch box with cover

Water level indicator for water separator

Other Optional Equipment

Additional gear train for auxiliary pump

Air pre-filter

Cooling package, high ambient with VSF

Cooling package, semi-high ambient

Electric refueling pump with auto shut off

Fine swing

Starting kit, cold weather, -32° C

Travel alarm

| Notes | | | |
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324D/324D L Hydraulic Excavator

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Featured machines in photos may include additional equipment.

See your Caterpillar dealer for available options.

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AEHQ6000 (8-08) Replaces AEHQ5664-04

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