

323D2 L

Hydraulic Excavator



Engine

Engine Model	Cat® C7.1	
Engine Power (ISO 14396)	117 kW	158 hp
Net Power (SAE J1349/ISO 9249)	110 kW	149 hp

Weights

Minimum Operating Weight	21 990 kg	48,480 lb
Maximum Operating Weight	23 300 kg	51,370 lb

323D2 L Differentiating Features

Built to Last

Caterpillar design and manufacturing techniques assure you get outstanding durability and service life in the toughest applications.

Fuel Efficient

A powerful Cat C7.1 engine meets U.S. EPA Tier 2, EU Stage II regulations, and China Tier 2 emission regulations combined with a new highly efficient hydraulic system, which delivers excellent performance with lower fuel consumption compared to its predecessor 323D L.

Easy to Operate

The new cab provides you with a comfortable working environment for maximum production and efficiency. The new monitor features a 40% larger and four times increased resolution LCD display, compared to 323D L monitor.

Reduced Service and Maintenance Costs

Routine service and maintenance can be completed quickly and easily to help you reduce ownership costs. Convenient access points, extended service intervals, and advanced filtration help keep downtime to a minimum.

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.

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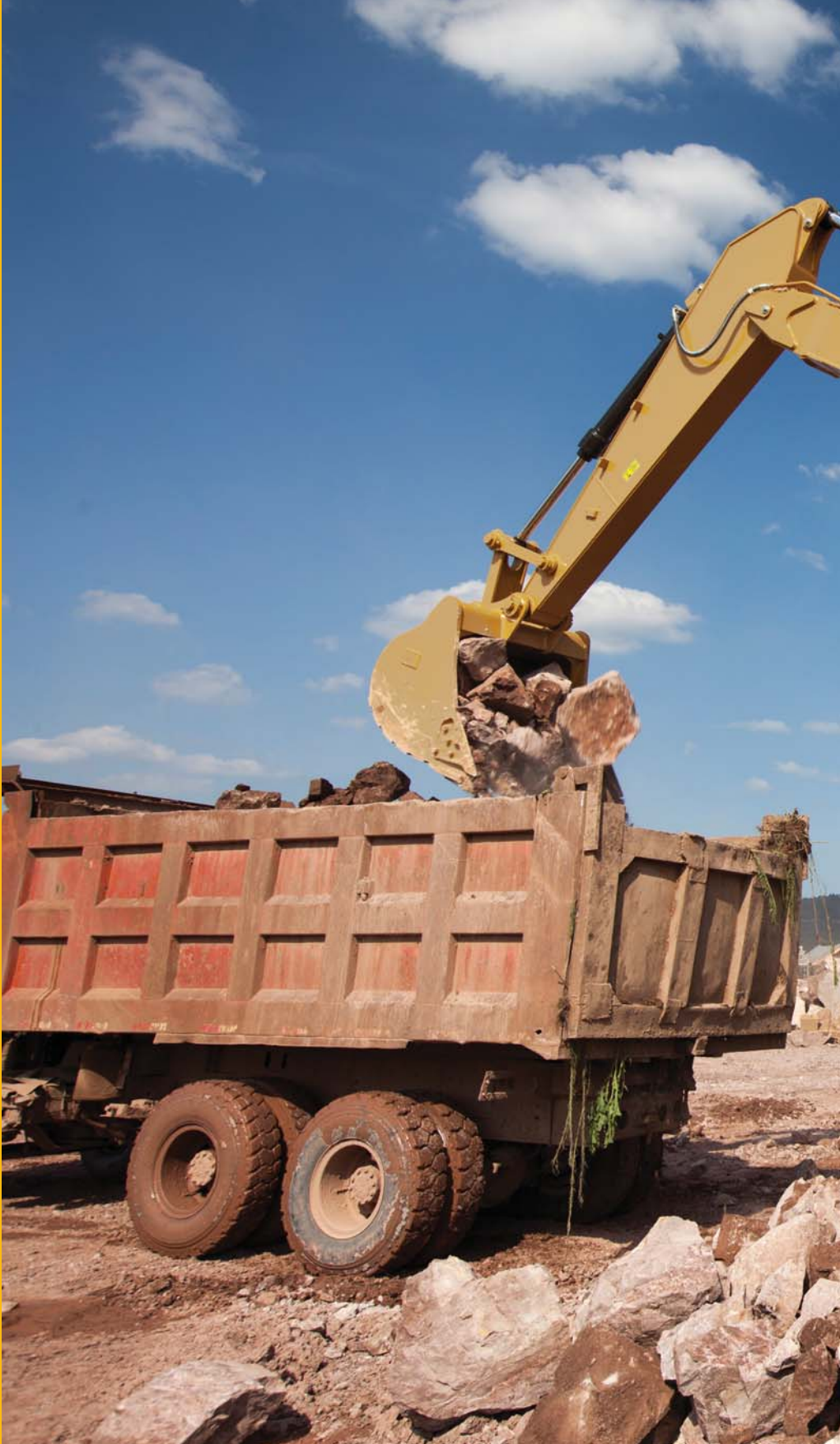
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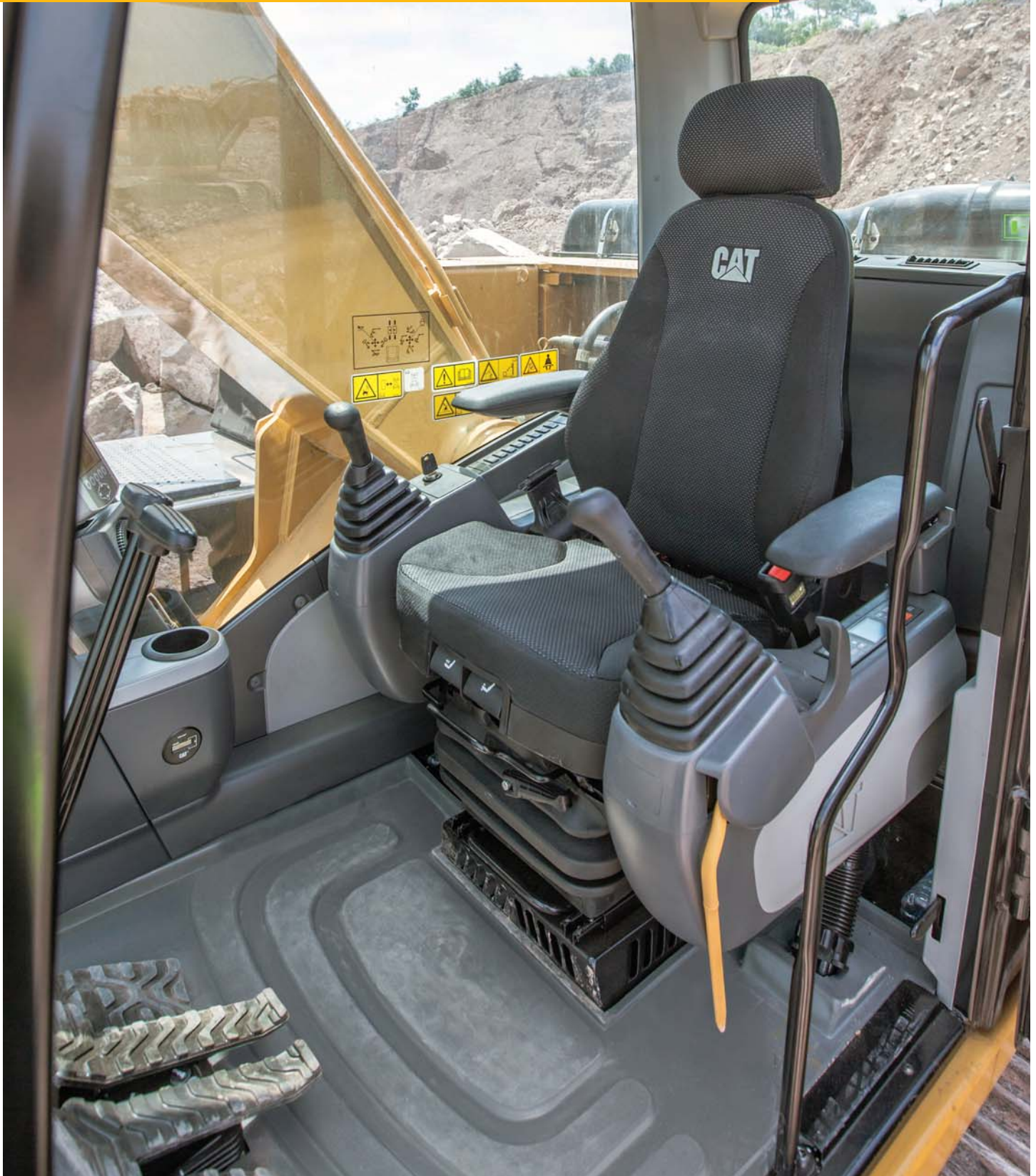




The 323D L Series 2 incorporates innovations to improve your job site efficiency through low owning and operating costs, excellent performance, and high versatility.

Operator Station

Your operators will enjoy the incredibly comfortable cab.



Operator Station

The ergonomically designed operator station is spacious, quiet, and comfortable, assuring high productivity during a long work day. All control switches are located on the right-hand and left-hand side consoles for more convenient access.

Monitor

The new monitor is a full-color Liquid Crystal Display (LCD). Monitor is equipped with warning lamp and buzzer for critical engine oil pressure, coolant temperature and oil temperature. Filters and fluid change intervals are available in the main menu. It also projects the image from the optional rearview camera, further enhancing your job site safety and productivity.

Compared to 323D L D Series monitor, the new monitor on 323D2 L has a 40% larger screen, with a four times increased resolution display. Information language capability increased from 28 to 42 languages to support today's diverse workforce.

Seat

The mechanical or air suspension seats provide a variety of adjustments to accommodate a wide range of operators. All seats include a reclining back, upper and lower seat slide adjustments, and height and tilt adjustments.

Controls

Your operators can adjust the right and left joysticks for individual preferences, helping the operator become more comfortable, more productive, and more alert. Low-effort pilot-operated joystick controls are designed to match your natural wrist and arm position for maximum comfort and minimum fatigue.

Climate Control

The 323D2 L offers positive filtered ventilation with a pressurized cab. Fresh air or re-circulated air can be selected, which makes working in the heat and cold much more pleasant.

Cab Structure and Mounts

The cab shell is attached to the frame with viscous rubber cab mounts, which dampen vibrations and sound levels while enhancing operator comfort. Thick steel tubing along the bottom perimeter of the cab, improves resistance to fatigue and vibration.

Windows

To maximize 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.



Engine

You can count on reliable performance to meet your demanding needs all day long.



Reliable Cat C7.1 Engine

The Cat C7.1 engine has been designed to meet U.S. EPA Tier 2, EU Stage II and China Tier 2 emission regulations. The C7.1 engines incorporate proven, robust components and precision manufacturing you can count on for reliable and efficient operation. This is a proven engine that boasts improved reliability, as it's less sensitive to low quality fuel and also delivers better fuel consumption. An ECO-mode feature helps to reduce fuel consumption by up to 15 percent for fuel-conscious customers.

Automatic Engine Speed Control

Automatic engine speed control is activated during no-load or light-load conditions which reduces engine speed to minimize fuel consumption.

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.

Filtration System

The C7.1 engine features an improved filtration system to ensure good reliability to fuel injection system components. Intervals have been extended and the number of filters reduced to maximize your profit potential.

Hydraulics

You can move dirt, rock and debris with speed, precision and efficiency.



Hydraulic 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. 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. The hydraulic activation lever in the neutral position isolates all front linkage, swing, and travel functions for additional controllability and efficiency.

Optional auxiliary control circuits allow operation of high- and medium-pressure tools such as shears, grapples, hammers, pulverizers, multi-processors, and vibratory plate compactors.

Component Layout

The 323D2 L 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 reduce friction loss and pressure drops.

Boom and Stick Regeneration Circuit

Electric boom and stick regeneration circuits result in less pressure loss, higher controllability, reduced cycle times, more productivity and lower operating costs for you. It works by reusing the flow of oil that travels from the head of cylinder to the rod end of cylinder during your boom-down and stick-in operations.

Undercarriage and Structures

Strong and durable, all you expect from Cat excavators.



Undercarriage

The long (L) wide and sturdy undercarriage maximizes stability and lift capacity.

The 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.

Sealed and lubricated heavy duty track rollers, carrier rollers, and idlers provide excellent service life to keep your machine in the field and working longer.

Frame

You can expect excellent quality, reliability and durability with the 323D2 L lower and upper frames. Both are built to handle a hard day's work over and over again.

Front Linkage

You will experience a long service life even in the harshest of conditions.



Cat front linkages are designed for maximum versatility, productivity, and high efficiency whatever the application.

Heavy-Duty Front Linkage

The 5.7 m (18'8") heavy-duty (HD) reach boom is reinforced to be used in the severest applications and provide maximum digging capability. Heavy-duty Reach boom is made of high-tensile-strength steel using a large box-section design with interior baffle plates and an additional bottom guard for long life and durability.

The Standard and HD reach booms have two stick options available to meet all your application requirements.

The 2.9 m (9'6") stick is the most versatile option and a very good fit for truck loading and trenching applications where you need additional working range.

The 2.5 m (8'2") stick is ideally suited to applications requiring larger bucket sizes. It maximizes digging forces and enables you to get your jobs completed faster.

Mass Boom Front Linkage

The mass excavation (ME) front linkage is designed to maximize machine performance through superior digging forces and a larger bucket capacity.

The 5.2 m (17'1") mass excavation boom is reinforced with a geometry designed to maximize machine productivity. It also incorporates a large cross-section and internal baffle plates for long life and durability.

The 2.4 m (7'10") and 1.9 m (6'2") sticks were designed mainly for large earthmoving and is made of high-tensile-strength steel in a box section to make it strong and durable.

Work Tools

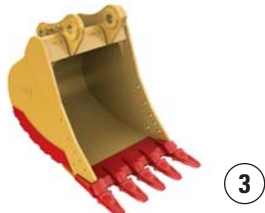
Dig, hammer, rip, and cut with confidence.



1



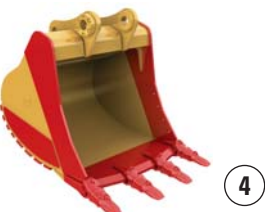
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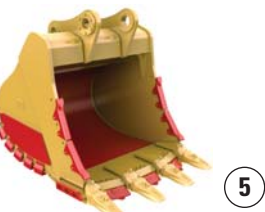
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5



5

Each Cat work tool attachment is designed to optimize the versatility and performance of your machine. An extensive range of buckets, compactors, grapples, multi-processors, rippers, crushers, pulverizers, hammers, and shears are available for your 323D2 L. Contact your local Cat dealer for more information on the attachments available in your region.

Buckets

Cat buckets and Cat Ground Engaging Tools (GET) are designed and matched to the machine to ensure optimal performance and fuel efficiency.

1 – Utility Buckets (UD)

These buckets are for digging in low-impact, low-abrasive material such as dirt, loam, and clay.

2 – General Duty Buckets (GD)

These buckets are designed for digging in low-impact, moderately abrasive materials such as dirt, loam, gravel, and clay.

3 – Heavy Duty Buckets (HD)

HD buckets are a good starting point when application conditions vary. Especially when conditions include mixed dirt, clay, sand, and gravel.

4 – Severe Duty Buckets (SD)

These buckets are best suited to highly abrasive applications such as shot rock, sand stone, and granite.

5 – Extreme Duty Buckets (XD)

These buckets are for very high abrasion conditions including high quartzite granite. Example: Digging conditions where tip life is less than or equal to 200 hours with Extra Duty tips.

Couplers

Quick couplers allow one person to change work tools in seconds for maximum performance and flexibility on a job site. One machine can move rapidly from task to task, and a fleet of similarly equipped machines can share a common work tool inventory.

Center-Lock™ Pin Grabber Coupler

Center-Lock is the pin grabber style coupler and features a patent-pending locking system. A highly visible secondary lock clearly shows the operator when the coupler is engaged or disengaged from the bucket or work tool.

E Series Hammers

E Series hammers bring together customer expectations of performance, quality, and serviceability along with Caterpillar manufacturing and logistics experience.

E Series hammers are quiet, and noise suppression is valuable in urban and restricted work areas.

Pin-on Rippers, Rip and Load Package

Constructed from high-strength steels and built to last, Cat rippers endure in the toughest conditions. The box-section structure is reinforced for maximum rigidity, transmitting the full machine power to the material being ripped. Rippers feature a replaceable wear tip, and most models also come equipped with a replaceable shank protector.

Grapples

Cat grapples replace the bucket on Cat excavators, converting them to the ideal machine for handling loose material, sorting trash, and demolition site cleanup. An array of styles and sizes are available to match excavators to the task at hand.

Multi-Processors

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.

Shear

Cat shears are designed for Cat machines – taking full advantage of the hydraulic flows and pressures to enhance productivity without compromising safety or causing premature wear of the shear and carrier.

Pulverizer

The excavator mounted mechanical pulverizer is a cost-effective tool for recycling demolished concrete debris. The bucket cylinder on the excavator powers the mechanical pulverizer. This eliminates the need for a dedicated cylinder and associated hydraulics and additional installation cost.

Vibratory Plate Compactor

Compactors enhance the versatility of your excavator and makes compacting faster, more efficient, and cost-effective. Cat compactors are the superior choice for any job site's compaction tasks.

Crusher

The hydraulic concrete crusher has taken modern demolition technology a step further. It is well suited for concrete demolition in residential areas. The hydraulic concrete crusher combines several concrete demolition operations in one piece of equipment:

- breaking out concrete from fixed structures
- pulverizing concrete
- cutting reinforcement rods and small steel profiles



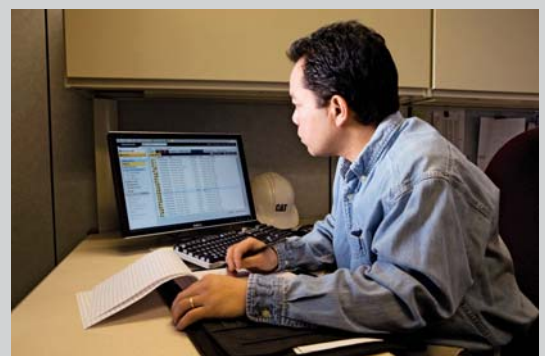
Integrated Technologies

You can make your team's work much easier and more efficient.



Cat Product Link™

You can monitor and improve your fleet management with Cat Product Link. The integrated system reports events, diagnostic codes, hours, fuel consumption, location, and other pieces of detailed machine information to the secured web-based application called VisionLink®. The powerful tools within VisionLink communicate with you and your authorized Cat dealer to allow them to help you avoid downtime and better maintain your fleet.





Serviceability

You can depend on safe, fast, and easy access.

Ground-Level Service

The design and layout of the 323D2 L was made with the service technician in mind. Most service locations are easily accessible at ground level to allow service and maintenance to get completed quickly and efficiently.

Air Filter Compartment

The air filter features a double-element construction for superior cleaning efficiency. When the air filter plugs, a warning is displayed on the cab monitor. Maintenance free batteries are standard along with a battery disconnect switch.

Pump Compartment

A service door on the right side of the upper structure allows ground-level access to the hydraulic pumps, hydraulic filters, engine oil filter, and fuel filters.

Radiator Compartment

The left rear service door allows easy access to the engine radiator, hydraulic oil cooler, air-to-air aftercooler, and AC condenser. A reserve tank and drain cock are attached to the radiator for ground level maintenance.

Greasing Points

A concentrated remote greasing block on the boom allows the greasing of hard-to-reach locations on the boom and stick.

Fan Guard

The engine radiator fan is enclosed by a steel guard that provides maximum protection when carrying out routine service and maintenance.

Anti-Skid Plate

Anti-skid plating covers the entire upper structure and storage box to prevent slipping during maintenance. Safety is further enhanced with the addition of countersunk bolts to reduce trip hazards.

Diagnostics and Monitoring

The 323D2 L is equipped with Scheduled Oil Sampling (S-O-SSM) ports for the hydraulic system, engine oil, and coolant. Standard hydraulic test ports enable a service technician to quickly and easily fault find in the event of service issue.

Complete Customer Care

Your Cat dealer will support you like no other.



Product Support

You can maximize your machines' uptime with the Cat worldwide dealer network. You can also decrease your repair costs by utilizing Cat remanufactured components while contributing to sustainable development.

Machine Selection

What are the job requirements and machine attachments? What production do you need? Your Cat dealer can provide recommendations to help you make the right machine configuration.

Purchase

You can ensure lower owning and operating costs by utilizing unique Cat dealer services and financing options.

Customer Support Agreements

Cat dealers offer a variety of customer support agreements and work with you to develop a plan to meet your specific needs. These plans can cover the entire machine, including attachments, to help protect your investment.

Operation

You can boost your profits by improving your operators' techniques. Your Cat dealer has videos, literature, and other ideas to help increase productivity. Caterpillar also offers simulators and certified operator training to help maximize the return on your investment.

Replacement

Repair, rebuild, or replace? Your Cat dealer can help you evaluate the cost involved so you can make the best choice for your business.

Engine

Engine Model	Cat C7.1	
Engine Power – ISO 14396	117 kW	158 hp
Net Power – SAE J1349/ISO 9249	110 kW	149 hp
Bore	105 mm	4.13 in
Stroke	135 mm	5.31 in
Displacement	7.01 L	428 in ³

- The Cat C7.1 meets exhaust emissions equivalent to U.S. EPA Tier 2, EU Stage II, and China Tier 2 emission regulations.
- Net power advertised is the power available at the flywheel when the engine is equipped with fan, air cleaner, muffler and alternator.
- The field-proven C7.1 engine can work efficiently at altitudes up to 5000 m (16,405 ft).

Swing Mechanism

Swing Speed	10.5 rpm	
Swing Torque	61.8 kN·m	45,581 lbf-ft

Drive

Maximum Travel Speed	5.6 km/h	3.5 mph
Drawbar Pull	205 kN	46,086 lbf

Hydraulic System

Main System – Maximum Flow at Travel	214×2 L/min	56.5×2 gal/min
Main System – Maximum Flow at Operation	202×2 L/min	53.4×2 gal/min
Swing System – Maximum Flow	202 L/min	53.4 gal/min
Maximum Pressure – Equipment	35,000 kPa	5,076 psi
Maximum Pressure – Travel	35,000 kPa	5,076 psi
Maximum Pressure – Swing	25,000 kPa	3,626 psi
Pilot System – Maximum Flow	23.1 L/min	6.1 gal/min
Pilot System – Maximum Pressure	3920 kPa	569 psi
Boom Cylinder – Bore	120 mm	4.7 in
Boom Cylinder – Stroke	1260 mm	49.6 in
Stick Cylinder – Bore	140 mm	5.5 in
Stick Cylinder – Stroke	1504 mm	59.2 in
B1 Bucket Cylinder – Bore	120 mm	4.7 in
B1 Bucket Cylinder – Stroke	1104 mm	43.5 in
CB2 Bucket Cylinder – Bore	135 mm	5.3 in
CB2 Bucket Cylinder – Stroke	1156 mm	45.5 in

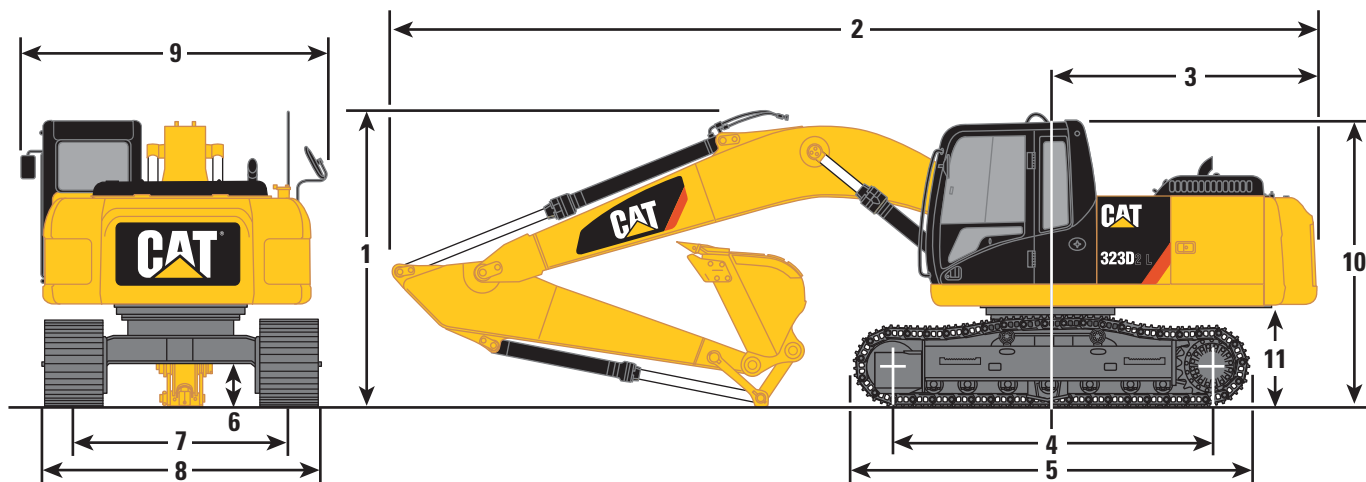
Service Refill Capacities

Fuel Tank Capacity	410 L	108 gal
Cooling System	25 L	6.6 gal
Engine Oil	22 L	5.8 gal
Swing Drive	8 L	2.1 gal
Final Drive (each)	10 L	2.6 gal
Hydraulic System Oil Capacity (including tank)	260 L	68.7 gal
Hydraulic Oil	138 L	36.5 gal

323D2 L Specifications

Dimensions

All dimensions are approximate.



	Reach Boom 5.7 m (18'8")		Mass Boom 5.2 m (17'1")	
	HD R2.9B1 (9'6")	HD R2.5B1 (8'2")***	M2.4CB2 (7'10")	M1.9CB2 (6'2")
1 Overall Height*	3030 mm (9'11")	3050 mm (10'0")	3280 mm (10'9")	3176 mm (10'5")
2 Overall Length	9460 mm (31'0")	9460 mm (31'0")	9050 mm (29'8")	9200 mm (30'2")
3 Tail Swing Radius	2750 mm (9'0")	2750 mm (9'0")	2750 mm (9'0")	2750 mm (9'0")
4 Length to Center of Rollers	3650 mm (12'0")	3650 mm (12'0")	3650 mm (12'0")	3650 mm (12'0")
5 Track Length	4455 mm (14'7")	4455 mm (14'7")	4455 mm (14'7")	4455 mm (14'7")
6 Ground Clearance**	450 mm (1'6")	450 mm (1'6")	450 mm (1'6")	450 mm (1'6")
7 Track Gauge	2380 mm (7'10")	2380 mm (7'10")	2380 mm (7'10")	2380 mm (7'10")
8 Transport Width				
600 mm (24") Shoes	2980 mm (9'9")	2980 mm (9'9")	2980 mm (9'9")	2980 mm (9'9")
700 mm (28") Shoes	3080 mm (10'1")	3080 mm (10'1")	3080 mm (10'1")	3080 mm (10'1")
790 mm (31") Shoes	3170 mm (10'5")	3170 mm (10'5")	3170 mm (10'5")	3170 mm (10'5")
900 mm (35") Shoes	3280 mm (10'5")	3280 mm (10'5")	3280 mm (10'5")	3280 mm (10'5")
9 Width of Upper Structure	2740 mm (9'0")	2740 mm (9'0")	2740 mm (9'0")	2740 mm (9'0")
10 Cab Height*	2950 mm (9'8")	2950 mm (9'8")	2950 mm (9'8")	2950 mm (9'8")
11 Counterweight Clearance**	1020 mm (3'4")	1020 mm (3'4")	1020 mm (3'4")	1020 mm (3'4")
Bucket	Type	HD	HD	HD
	Capacity	1.19 m ³ (1.56 yd ³)	1.19 m ³ (1.56 yd ³)	1.76 m ³ (2.3 yd ³)
	Tip Radius	1570 mm (5'2")	1570 mm (5'2")	1650 mm (5'5")

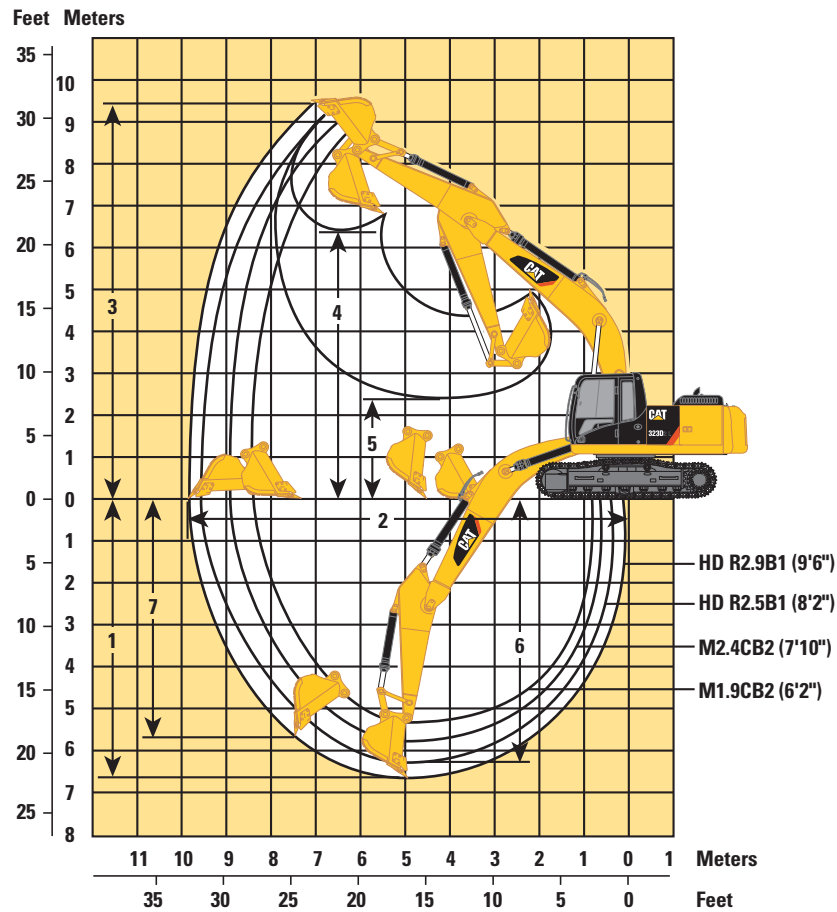
*Including shoe lug height.

**Without shoe lug height.

***Standard and Heavy Duty Reach booms.

Working Ranges

All dimensions are approximate.



		Reach Boom 5.7 m (18'8")		Mass Boom 5.2 m (17'1")	
		HD R2.9B1 (9'6")	HD R2.5B1 (8'2")*	M2.4CB2 (7'10")	M1.9CB2 (6'2")
1	Maximum Digging Depth	6720 mm (22'1")	6300 mm (20'8")	5850 mm (19'2")	5350 mm (17'7")
2	Maximum Reach at Ground Level	9860 mm (32'4")	9630 mm (31'7")	8920 mm (29'3")	8460 mm (27'9")
3	Maximum Cutting Height	9490 mm (31'0")	9290 mm (30'6")	8830 mm (27'6")	8560 mm (28'1")
4	Maximum Loading Height	6490 mm (21'4")	6290 mm (20'8")	5760 mm (18'11")	5530 mm (18'2")
5	Minimum Loading Height	2170 mm (7'1")	2590 mm (8'6")	2270 mm (7'5")	2770 mm (9'1")
6	Maximum Depth Cut for 2440 mm (8'0") Level Bottom	6380 mm (20'11")	5960 mm (19'7")	5500 mm (18'1")	5000 mm (16'5")
7	Maximum Vertical Wall Digging Depth	5690 mm (18'8")	5650 mm (18'6")	4580 mm (15'0")	3880 mm (12'9")
Bucket	Type	HD	HD	HD	HD
	Capacity	1.19 m ³ (1.56 yd ³)	1.19 m ³ (1.56 yd ³)	1.76 m ³ (2.3 yd ³)	1.76 m ³ (2.3 yd ³)
	Tip Radius	1570 mm (5'2")	1570 mm (5'2")	1650 mm (5'5")	1650 mm (5'5")

*Standard and Heavy Duty Reach booms.

323D2 L Specifications

Operating Weight* and Ground Pressure

The standard and optional equipment availability vary by region. Please contact your local Cat dealer for more information about the work tools available in your region.

Operating Weight									
	Bucket Capacity	600 mm (24") Triple Grouser Shoes	700 mm (28") Triple Grouser Shoes	790 mm (31") Triple Grouser Shoes	900 mm (35") Triple Grouser Shoes	600 mm (24") HD Triple Grouser Shoes	700 mm (28") HD Triple Grouser Shoes	600 mm (24") Double Grouser Shoes	700 mm (28") Double Grouser Shoes
Reach Boom – STD – 5.7 m (18'8")									
R2.9 HD (9'6")	1.19 m ³ (1.56 yd ³)	21 990 kg (48,480 lb)	22 370 kg (49,320 lb)	22 630 kg (49,890 lb)	22 940 kg (50,570 lb)	22 390 kg (49,360 lb)	22 800 kg (50,270 lb)	22 370 kg (49,320 lb)	22 690 kg (50,020 lb)
Reach Boom – HD – 5.7 m (18'8")									
R2.9 HD (9'6")	1.19 m ³ (1.56 yd ³)	22 350 kg (49,270 lb)	22 730 kg (50,110 lb)	22 990 kg (50,680 lb)	23 300 kg (51,370 lb)	22 750 kg (50,160 lb)	23 160 kg (51,060 lb)	22 730 kg (50,110 lb)	23 050 kg (50,820 lb)
R2.5 HD (8'2")	1.19 m ³ (1.56 yd ³)	22 280 kg (49,120 lb)	22 660 kg (49,960 lb)	22 920 kg (50,530 lb)	23 230 kg (51,210 lb)	22 680 kg (50,000 lb)	23 090 kg (50,900 lb)	22 660 kg (49,960 lb)	22 980 kg (50,660 lb)
Mass Boom – 5.2 m (17'1")									
M2.4CB2 (7'10")	1.76 m ³ (2.30 yd ³)	22 160 kg (48,850 lb)	22 540 kg (49,690 lb)	22 800 kg (50,270 lb)	23 110 kg (50,950 lb)	22 560 kg (49,740 lb)	22 970 kg (50,640 lb)	22 540 kg (49,690 lb)	22 860 kg (50,400 lb)
M1.9CB2 (6'2")	1.76 m ³ (2.30 yd ³)	22 150 kg (48,830 lb)	22 530 kg (49,670 lb)	22 790 kg (50,240 lb)	23 100 kg (50,930 lb)	22 550 kg (49,710 lb)	22 960 kg (50,620 lb)	22 530 kg (49,670 lb)	22 850 kg (50,380 lb)
Ground Pressure									
	Bucket Capacity	600 mm (24") Triple Grouser Shoes	700 mm (28") Triple Grouser Shoes	790 mm (31") Triple Grouser Shoes	900 mm (35") Triple Grouser Shoes	600 mm (24") HD Triple Grouser Shoes	700 mm (28") HD Triple Grouser Shoes	600 mm (24") Double Grouser Shoes	700 mm (28") Double Grouser Shoes
Reach Boom – STD – 5.7 m (18'8")									
R2.9 HD (9'6")	1.19 m ³ (1.56 yd ³)	45.7 kPa (6.6 psi)	39.9 kPa (5.8 psi)	35.7 kPa (5.2 psi)	31.8 kPa (4.6 psi)	46.6 kPa (6.8 psi)	40.6 kPa (5.9 psi)	46.5 kPa (6.7 psi)	40.4 kPa (5.9 psi)
Reach Boom – HD – 5.7 m (18'8")									
R2.9 HD (9'6")	1.19 m ³ (1.56 yd ³)	46.5 kPa (6.7 psi)	40.5 kPa (5.9 psi)	36.3 kPa (5.3 psi)	32.3 kPa (4.7 psi)	47.3 kPa (6.9 psi)	41.3 kPa (6.0 psi)	47.3 kPa (6.9 psi)	41.1 kPa (6.0 psi)
R2.5 HD (8'2")	1.19 m ³ (1.56 yd ³)	46.3 kPa (6.7 psi)	40.4 kPa (5.9 psi)	36.2 kPa (5.3 psi)	32.2 kPa (4.7 psi)	47.2 kPa (6.8 psi)	41.2 kPa (6.0 psi)	47.1 kPa (6.8 psi)	41.0 kPa (5.9 psi)
Mass Boom – 5.2 m (17'1")									
M2.4CB2 (7'10")	1.76 m ³ (2.30 yd ³)	46.1 kPa (6.7 psi)	40.2 kPa (5.8 psi)	36.0 kPa (5.2 psi)	32.0 kPa (4.6 psi)	46.9 kPa (6.8 psi)	40.9 kPa (5.9 psi)	46.9 kPa (6.8 psi)	40.8 kPa (5.9 psi)
M1.9CB2 (6'2")	1.76 m ³ (2.30 yd ³)	46.1 kPa (6.7 psi)	40.2 kPa (5.8 psi)	36.0 kPa (5.2 psi)	32.0 kPa (4.6 psi)	46.9 kPa (6.8 psi)	40.9 kPa (5.9 psi)	46.9 kPa (6.8 psi)	40.7 kPa (5.9 psi)

*Based on ISO 6016. Operating weight includes Base machines with fronts, bucket, full fuel tank and fluids, and 75 kg (165 lb) operator, excluding optional attachments.

Major Component Weights

Base Machine (with counterweight 4.26 mt/9,390 lb, with boom cylinders, without front linkage, without tracks)	15 410 kg (33,970 lb)
Counterweight	4260 kg (9,390 lb)
Upper Frame	6320 kg (13,930 lb)
Undercarriage	4490 kg (9,900 lb)
Full Fuel	340 kg (750 lb)
Boom (includes lines, pins, and stick cylinder)	
Heavy Duty Reach Boom – 5.7 m (18'8")	2010 kg (4,430 lb)
Reach Boom – 5.7 m (18'8")	1650 kg (3,640 lb)
Mass Boom – 5.2 m (17'1")	1680 kg (3,700 lb)
Stick (includes lines, pins, linkage and bucket cylinder)	
R2.9 HD (9'6")	1120 kg (2,470 lb)
R2.5 HD (8'2")	1050 kg (2,310 lb)
M2.4CB2 (7'10")	1060 kg (2,340 lb)
M1.9CB2 (6'2")	1050 kg (2,310 lb)
Long Tracks Shoes	
600 mm (24") Triple Grouser	2700 kg (5,950 lb)
600 mm (24") Double Grouser	3080 kg (6,790 lb)
600 mm (24") HD Triple Grouser	3100 kg (6,830 lb)
700 mm (28") Triple Grouser	3080 kg (6,790 lb)
700 mm (28") Double Grouser	3400 kg (7,500 lb)
700 mm (28") HD Triple Grouser	3510 kg (7,740 lb)
790 mm (31") Triple Grouser	3350 kg (7,390 lb)
900 mm (35") Triple Grouser	3650 kg (8,050 lb)
Buckets	
1200 mm (47")/1.19 m ³ (1.56 yd ³)	1030 kg (2,270 lb)
1350 mm (53")/1.38 m ³ (1.80 yd ³)	1090 kg (2,400 lb)
1350 mm (53")/1.40 m ³ (1.83 yd ³)	1060 kg (2,340 lb)
1500 mm (59")/1.76 m ³ (2.30 yd ³)	1230 kg (2,710 lb)

Bucket and Stick Forces

	Reach Boom – STD 5.7 m (18'8")	Reach Boom – HD 5.7 m (18'8")		Mass Boom 5.2 m (17'1")	
	HD R2.9B1 (9'6")	HD R2.9B1 (9'6")	HD R2.5B1 (8'2")	M2.4CB2 (7'10")	M1.9CB2 (6'2")
Bucket	1.19 m ³ (1.56 yd ³)	1.19 m ³ (1.56 yd ³)	1.19 m ³ (1.56 yd ³)	1.76 m ³ (2.30 yd ³)	1.76 m ³ (2.30 yd ³)
Bucket Digging Force (ISO)	140 kN (31,506 lbf)	140 kN (31,472 lbf)	140 kN (31,506 lbf)	179 kN (40,293 lbf)	178 kN (40,118 lbf)
Stick Digging Force (ISO)	107 kN (23,961 lbf)	107 kN (24,054 lbf)	118 kN (26,549 lbf)	128 kN (28,817 lbf)	148 kN (33,205 lbf)
Bucket Digging Force (SAE)	125 kN (28,024 lbf)	125 kN (28,100 lbf)	125 kN (28,024 lbf)	158 kN (35,575 lbf)	158 kN (35,419 lbf)
Stick Digging Force (SAE)	104 kN (23,296 lbf)	104 kN (23,379 lbf)	114 kN (25,717 lbf)	124 kN (27,810 lbf)	142 kN (31,883 lbf)

323D2 L Specifications

323D2 L Bucket Specifications and Compatibility

	Linkage	Width		Capacity		Weight		Fill	Reach Boom						Mass Boom		
									HD R5.7 (18'8")						M5.2 (17'1")		
									HD R2.5B1 (8'2")			HD R2.9B1 (9'6")			M2.4CB2 (7'10")		
		mm	in	m³	yd³	kg	lb	%	600 mm (24") Tracks	700 mm (28") Tracks	790 mm (31") Tracks	600 mm (24") Tracks	700 mm (28") Tracks	790 mm (31") Tracks	600 mm (24") Tracks	700 mm (28") Tracks	790 mm (31") Tracks
Without Quick Coupler																	
General Duty (GD) EAME	B	600	24	0.46	0.61	551	1,213	100	●	●	●	●	●	●			
	B	750	30	0.64	0.84	622	1,370	100	●	●	●	●	●	●			
	B	900	36	0.81	1.06	668	1,473	100	●	●	●	●	●	●			
	B	1200	48	1.19	1.56	803	1,770	100	⊙	⊙	⊙	⊖	⊖	⊙			
	B	1300	51	1.30	1.71	835	1,840	100	⊖	⊖	⊙	⊖	⊖	⊖			
General Duty (GDC)	B	1400	55	1.43	1.87	870	1,918	100	⊖	⊖	⊖	○	○	○			
	B	600	24	0.55	0.72	619	1,363	100	●	●	●	●	●	●			
	B	750	30	0.75	0.98	710	1,566	100	●	●	●	●	●	●			
	B	900	36	0.95	1.24	787	1,735	100	●	●	●	●	●	●			
	B	1050	42	1.16	1.52	848	1,870	100	⊙	⊙	⊙	⊖	⊖	⊙			
General Duty – CCL	B	1200	48	1.38	1.80	926	2,041	100	⊖	⊖	⊖	○	○	○			
	B	1350	54	1.59	2.08	1004	2,213	100	○	○	○	◇	◇	○			
	B	1150	46	0.90	1.18	719	1,585	100	●	●	●	●	●	●			
	B	1250	50	1.00	1.31	751	1,656	100	●	●	●	●	●	●			
	B	1150	46	0.90	1.18	762	1,680	100	●	●	●	●	●	●			
Heavy Duty (HD)	B	1250	50	1.00	1.31	797	1,756	100	●	●	●	⊙	●	●			
	B	1400	56	1.14	1.49	863	1,902	100	⊙	⊙	⊙	⊖	⊙	⊙			
	B	600	24	0.46	0.61	649	1,431	100	●	●	●	●	●	●			
	B	750	30	0.64	0.84	748	1,649	100	●	●	●	●	●	●			
	B	900	36	0.81	1.06	826	1,821	100	●	●	●	●	●	●			
	B	1050	42	1.00	1.31	880	1,940	100	●	●	●	⊙	⊙	⊙			
	B	1200	48	1.19	1.56	907	1,999	100	⊙	⊙	⊙	⊖	⊖	⊖			
	B	1200	48	1.19	1.56	918	2,024	100	⊙	⊙	⊙	⊖	⊖	⊖			
	B	1200	48	1.19	1.56	972	2,141	100	⊖	⊙	⊙	⊖	⊖	⊖			
	B	1300	52	1.30	1.71	962	2,120	100	⊖	⊖	⊖	○	○	⊖			
	B	1350	54	1.38	1.81	1054	2,322	100	○	⊖	⊖	○	○	○			
	B	1350	54	1.40	1.83	1012	2,230	100	○	⊖	⊖	○	○	○			
	B	1050	43	1.00	1.31	879	1,937	100	●	●	●	⊙	⊙	⊙			
	B	1200	49	1.19	1.56	942	2,076	100	⊙	⊙	⊙	⊖	⊖	⊖			
	B	1350	54	1.38	1.81	1003	2,210	100	⊖	⊖	⊖	○	○	○			
Severe Duty (SD)	B	600	24	0.46	0.61	694	1,530	90	●	●	●	●	●	●			
	B	750	30	0.64	0.84	802	1,768	90	●	●	●	●	●	●			
	B	900	36	0.81	1.06	889	1,959	90	●	●	●	●	●	●			
	B	1050	42	1.00	1.31	964	2,125	90	●	●	●	⊙	●	●			
	B	1200	48	1.19	1.56	1053	2,320	90	⊙	⊙	⊙	⊖	⊖	⊖			
Severe Duty – China	B	1200	48	1.19	1.56	1001	2,207	90	⊙	⊙	⊙	⊖	⊖	⊙			
	CB	1350	54	1.56	2.04	1249	2,753	90							⊖	⊖	⊖
	B	1100	43	1.00	1.31	969	2,136	90	●	●	●	⊙	●	●			
	B	1250	49	1.19	1.56	1068	2,355	90	⊙	⊙	⊙	⊖	⊖	⊖			
	CB	1250	50	1.33	1.74	1261	2,778	90							⊙	⊙	⊙
Maximum load pin-on (payload + bucket)								kg	2990	3050	3090	2755	2815	2850	3515	3585	3630
								lb	6,590	6,722	6,810	6,072	6,204	6,281	7,747	7,901	8,001

The above loads are in compliance with hydraulic excavator standard EN474, they do not exceed 87% of hydraulic lifting capacity or 75% of tipping capacity with front linkage fully extended at ground line with bucket curled.

Capacity based on ISO 7451.

Bucket weight with General Duty tips.

Maximum Material Density:

● 2100 kg/m³ (3,500 lb/yd³)

⊙ 1800 kg/m³ (3,000 lb/yd³)

⊖ 1500 kg/m³ (2,500 lb/yd³)

○ 1200 kg/m³ (2,000 lb/yd³)

◇ 900 kg/m³ (1,500 lb/yd³)

323D2 L Bucket Specifications and Compatibility

	Linkage	Width		Capacity		Weight		Fill	Reach Boom						Mass Boom		
									HD R5.7 (18'8")						M5.2 (17'1")		
		HD R2.5B1 (8'2")			HD R2.9B1 (9'6")			M2.4CB2 (7'10")									
		mm	in	m³	yd³	kg	lb	%	600 mm (24") Tracks	700 mm (28") Tracks	790 mm (31") Tracks	600 mm (24") Tracks	700 mm (28") Tracks	790 mm (31") Tracks	600 mm (24") Tracks	700 mm (28") Tracks	790 mm (31") Tracks
With Center-Lock Coupler																	
General Duty (GD) EAME	B	600	24	0.46	0.61	551	1,213	100	●	●	●	●	●	●			
	B	750	30	0.64	0.84	622	1,370	100	●	●	●	●	●	●			
	B	900	36	0.81	1.06	668	1,473	100	●	●	●	●	●	●			
	B	1200	48	1.19	1.56	803	1,770	100	⊖	⊖	⊖	○	○	○			
	B	1300	51	1.30	1.71	835	1,840	100	○	○	○	○	○	○			
General Duty (GDC)	B	1400	55	1.43	1.87	870	1,918	100	○	○	○	◇	◇	◇			
	B	600	24	0.55	0.72	619	1,363	100	●	●	●	●	●	●			
	B	750	30	0.75	0.98	710	1,566	100	●	●	●	●	●	●			
	B	900	36	0.95	1.24	787	1,735	100	⊙	⊙	⊙	⊖	⊖	⊙			
	B	1050	42	1.16	1.52	848	1,870	100	⊖	⊖	⊖	○	○	○			
Heavy Duty (HD)	B	1200	48	1.38	1.80	926	2,041	100	○	○	○	◇	◇	◇			
	B	1350	54	1.59	2.08	1004	2,213	100	◇	◇	◇	X	◇	◇			
	B	600	24	0.46	0.61	649	1,431	100	●	●	●	●	●	●			
	B	750	30	0.64	0.84	748	1,649	100	●	●	●	●	●	●			
	B	900	36	0.81	1.06	826	1,821	100	●	●	●	⊙	⊙	⊙			
	B	1050	42	1.00	1.31	880	1,940	100	⊖	⊙	⊙	⊖	⊖	⊖			
	B	1200	48	1.19	1.56	907	1,999	100	○	⊖	⊖	○	○	○			
	B	1200	48	1.19	1.56	918	2,024	100	○	⊖	⊖	○	○	○			
	B	1200	48	1.19	1.56	972	2,141	100	○	○	⊖	○	○	○			
	B	1300	52	1.30	1.71	962	2,120	100	○	○	○	◇	◇	◇			
Severe Duty (SD)	B	1350	54	1.38	1.81	1054	2,322	100	◇	○	○	◇	◇	◇			
	B	1350	54	1.40	1.83	1012	2,230	100	◇	○	○	◇	◇	◇			
	B	600	24	0.46	0.61	694	1,530	90	●	●	●	●	●	●			
	B	750	30	0.64	0.84	802	1,768	90	●	●	●	●	●	●			
	B	900	36	0.81	1.06	889	1,959	90	●	●	●	⊙	●	●			
	B	1050	42	1.00	1.31	964	2,125	90	⊙	⊙	⊙	⊖	⊖	⊖			
	B	1200	48	1.19	1.56	1053	2,320	90	○	⊖	⊖	○	○	○			
	B	1200	48	1.19	1.56	1001	2,207	90	⊖	⊖	⊖	○	○	○			
CB	1350	54	1.56	2.04	1249	2,753	90							○	○	○	
Maximum load with coupler (payload + bucket)								kg	2580	2640	2680	2345	2405	2440	3105	3175	3220
								lb	5,687	5,819	5,907	5,169	5,301	5,378	6,844	6,998	7,098

With Quick Coupler (CW40, CW40s)

General Duty (GD)	B	600	24	0.46	0.61	503	1,109	100	●	●	●	●	●	●			
	B	750	30	0.64	0.84	588	1,297	100	●	●	●	●	●	●			
	B	900	36	0.81	1.06	655	1,444	100	●	●	●	●	●	●			
	B	1200	48	1.19	1.56	770	1,697	100	⊖	⊖	⊙	⊖	⊖	⊖			
	B	1300	51	1.30	1.71	801	1,765	100	⊖	⊖	⊖	○	○	○			
	B	1400	55	1.43	1.87	837	1,845	100	○	○	○	○	○	○			
Heavy Duty (HD)	B	600	24	0.46	0.61	584	1,288	100	●	●	●	●	●	●			
	B	1200	48	1.19	1.56	874	1,927	100	⊖	⊖	⊖	○	○	⊖			
	B	1300	52	1.30	1.71	929	2,048	100	○	⊖	⊖	○	○	○			
Maximum load with coupler (payload + bucket)								kg	2738	2798	2838	2503	2563	2598	3263	3333	3378
								lb	6,035	6,167	6,255	5,517	5,649	5,726	7,192	7,346	7,445

With Quick Coupler (CW45)

Severe Duty (SD)	CB	1350	54	1.56	2.04	1250	2,755	90							○	○	○
Maximum load with coupler (payload + bucket)								kg	2526	2586	2626	2291	2351	2386	3051	3121	3166
								lb	5,567	5,700	5,788	5,049	5,182	5,259	6,724	6,879	6,978

The above loads are in compliance with hydraulic excavator standard EN474, they do not exceed 87% of hydraulic lifting capacity or 75% of tipping capacity with front linkage fully extended at ground line with bucket curled.

Capacity based on ISO 7451.

Bucket weight with General Duty tips.

Maximum Material Density:

- 2100 kg/m³ (3,500 lb/yd³)
- 1200 kg/m³ (2,000 lb/yd³)
- ⊙ 1800 kg/m³ (3,000 lb/yd³)
- ◇ 900 kg/m³ (1,500 lb/yd³)
- ⊖ 1500 kg/m³ (2,500 lb/yd³)
- X Not recommended

323D2 L Specifications

323D2 L Work Tool Offering Guide*

Boom Type	Reach HD		Mass	
Stick Size	R2.9 HD	R2.5 HD	M2.4	M1.9
Hydraulic Hammer	H120Es H130Es	H120Es H130Es	H120Es H130Es H140Es ^^	H120Es H130Es H140Es
Multi-Processor	MP15 CC Jaw** MP15 CR Jaw** MP15 PP Jaw*** MP15 PS Jaw** MP15 S Jaw	MP15 CC Jaw MP15 CR Jaw MP15 PP Jaw ^^ MP15 PS Jaw MP15 S Jaw	MP15 MP20 CC Jaw** MP20 CR Jaw** MP20 PP Jaw*** # MP20 PS Jaw** ^ MP20 S Jaw** MP20 TS Jaw** ^	MP15 MP20 CC Jaw ^^ MP20 CR Jaw ^^ MP20 PP Jaw** MP20 PS Jaw ^^ MP20 S Jaw MP20 TS Jaw**
Crusher	P315**	P315	P315 P325**	P315 P325 ^^
Pulverizer	P215	P215	P215 P225**	P215 P225 ^^
Demolition and Sorting Grapple	G315B**	G315B G320B*** #	G320B** ^	G320B ^^
Mobile Scrap and Demolition Shear	S320B*** S325B##	S320B S325B##	S320B S325B## S340B##	S320B S325B## S340B##
Compactor (Vibratory Plate)	CVP110	CVP110	CVP110	CVP110
Contractors' Grapple	G120B-G130B	G120B-G130B	G120B-G130B	G120B-G130B
Trash Grapple	These work tools are available for the 323D2 L. Consult your Cat dealer for proper match.			
Thumbs				
Orange Peel Grapples				
Rakes				
Center-Lock Pin Grabber Coupler				
Dedicated Quick Coupler				

* Offerings not available in all areas. Matches are dependent on excavator configurations. Consult your Cat dealer for proper work tool match.

** Pin-on or CW coupler

*** Pin-on only

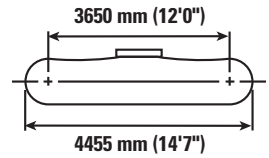
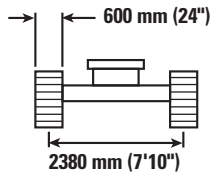
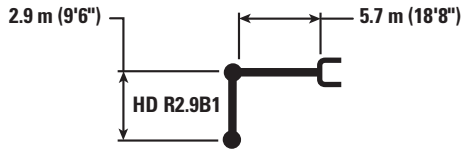
Over the front only

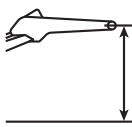













Boom mount

^ Over the front only with CW coupler

^^ Over the front only with CL coupler

323D2 L Reach Boom Lift Capacities – Long Undercarriage



		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				
														m ft
7.5 m 25.0 ft	kg lb							*4600 *4600				*4000 *8,850	*4000 *8,850	6.15 20.00
6.0 m 20.0 ft	kg lb							*5050 *11,050	*5050 *11,050			*3700 *8,150	*3700 *8,150	7.29 24.20
4.5 m 15.0 ft	kg lb							*5550 *12,050	5250 11,300	*5200 *11,400	3700 7,900	*3600 *7,950	3350 7,350	7.99 26.70
3.0 m 10.0 ft	kg lb					*8100 *17,450	7650 16,500	*6350 *13,800	5000 10,800	*5550 12,000	3600 7,700	*3700 *8,100	3050 6,700	8.36 27.50
1.5 m 5.0 ft	kg lb					*9800 *21,200	7150 15,400	*7250 *15,650	4800 10,300	5450 11,750	3500 7,450	*3900 *8,600	2950 6,400	8.45 28.30
0 m 0 ft	kg lb			*6350 *14,600	*6350 *14,600	*10 750 *23,300	6850 14,800	7450 16,000	4600 9,900	5350 11,550	3400 7,300	*4350 *9,550	2950 6,550	8.26 27.50
-1.5 m -5.0 ft	kg lb	*6800 *15,150	*6800 *15,150	*11 000 *25,000	*11 000 *25,000	*10 850 *23,550	6800 14,600	7350 15,850	4550 9,750	5350 11,500	3350 7,250	5100 11,200	3200 7,050	7.78 25.80
-3.0 m -10.0 ft	kg lb	*11 700 *26,200	*11 700 *26,200	*14 450 *31,250	13 250 28,400	*10 150 *21,950	6850 14,700	7400 15,900	4550 9,800			6000 13,300	3800 8,350	6.95 23.30
-4.5 m -15.0 ft	kg lb			*11 500 *24,600	*11 500 *24,600	*8250 *17,550	7050 15,200					*6200 *13,650	5200 11,750	5.60 18.30



ISO 10567



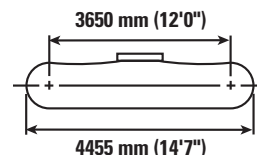
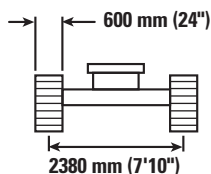
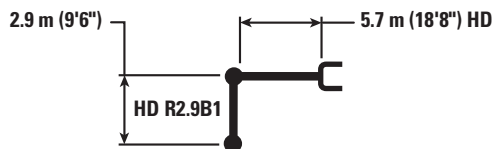
*Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories must be deducted from the above lifting capacities. Lifting capacities are based on the machine standing on a firm, uniform supporting surface. The use of a work tool attachment point to handle/lift objects, could affect the machine lift performance.

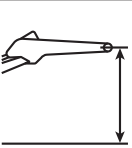













Lift capacity is for "Heavy Lift" mode, without bucket. Lift capacity stays with $\pm 5\%$ for all available track shoes.

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

323D2 L Specifications

323D2 L Heavy Duty Reach Boom Lift Capacities – Long Undercarriage



		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					
														m ft	
7.5 m 25.0 ft	kg lb							*4600 *4600				*4000 *8,850	*4000 *8,850	6.15 20.00	
6.0 m 20.0 ft	kg lb							*4950 *10,900	*4950 *10,900				*3700 *8,150	*3700 *8,150	7.29 24.20
4.5 m 15.0 ft	kg lb							*5450 *11,850	5250 11,250	*5100 *11,200	3650 7,800	*3600 *7,950	3300 7,250	7.99 26.70	
3.0 m 10.0 ft	kg lb					*8000 *17,200	7600 16,400	*6250 *13,550	4950 10,700	*5450 *11,850	3550 7,600	*3700 *8,100	3000 6,550	8.36 27.50	
1.5 m 5.0 ft	kg lb					*9650 *20,800	7050 15,150	*7100 *15,350	4700 10,100	5400 11,650	3400 7,350	*3900 *8,600	2850 6,300	8.45 28.30	
0 m 0 ft	kg lb			*6350 *14,600	*6350 *14,600	*10 550 *22,850	6700 14,450	7400 15,850	4500 9,700	5300 11,400	3300 7,100	*4350 *9,550	2900 6,350	8.26 27.50	
-1.5 m -5.0 ft	kg lb	*6800 *15,150	*6800 *15,150	*11 000 *25,000	*11 000 *25,000	*10 650 *23,050	6600 14,250	7300 15,650	4400 9,500	5250 11,350	3300 7,050	5000 11,050	3150 6,900	7.78 25.80	
-3.0 m -10.0 ft	kg lb	*11 700 *26,200	*11 700 *26,200	*14 100 *30,550	13 000 27,800	*9950 *21,500	6700 14,350	7300 15,750	4450 9,600			5950 13,150	3700 8,150	6.95 23.30	
-4.5 m -15.0 ft	kg lb			*11 200 *23,950	*11 200 *23,950	*8050 *17,100	6900 14,900					*6050 *13,300	5100 11,500	5.60 18.30	



ISO 10567

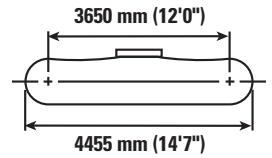
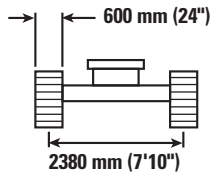
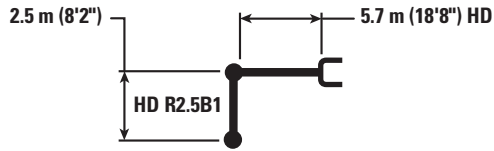


*Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories must be deducted from the above lifting capacities. Lifting capacities are based on the machine standing on a firm, uniform supporting surface. The use of a work tool attachment point to handle/lift objects, could affect the machine lift performance.

Lift capacity is for "Heavy Lift" mode, without bucket. Lift capacity stays with $\pm 5\%$ for all available track shoes.

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

323D2 L Heavy Duty Reach Boom Lift Capacities – Long Undercarriage



	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				m ft
7.5 m 25.0 ft	kg										*4850	*4850	5.60
6.0 m 20.0 ft	kg						*5400	5350			*4450	4250	6.83
	lb						*11,800	11,400			*9,800	9,550	22.50
4.5 m 15.0 ft	kg				*6800	*6800	*5800	5150	*4900	3600	*4350	3550	7.57
	lb				*14,650	*14,650	*12,650	11,100			*9,550	7,850	25.00
3.0 m 10.0 ft	kg				*8500	7450	*6550	4900	5550	3500	*4450	3200	7.96
	lb				*18,350	16,050	*14,200	10,550	11,850	7,550	*9,750	7,050	26.70
1.5 m 5.0 ft	kg				*10 050	6950	*7350	4650	5400	3400	*4750	3050	8.05
	lb				*21,650	14,950	*15,850	10,000	11,600	7,300	*10,400	6,750	26.70
0 m 0 ft	kg				*10 700	6700	7350	4500	5300	3300	5000	3100	7.86
	lb				*23,150	14,350	15,800	9,650	11,450	7,150	10,950	6,850	25.80
-1.5 m -5.0 ft	kg		*11 600	*11 600	*10 550	6650	7300	4450			5450	3400	7.35
	lb		*26,450	*26,450	*22,850	14,250	15,700	9,550			12,050	7,500	24.10
-3.0 m -10.0 ft	kg		*13 200	13 100	*9600	6750	*7050	4500			*6300	4100	6.47
	lb		*28,600	28,100	*20,700	14,500	*15,100	9,750			*13,900	9,100	21.70
-4.5 m -15.0 ft	kg				*7100	7050					*6150	6150	4.98
	lb				*14,850	*14,850					*13,450	*13,450	16.70



ISO 10567



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Lift capacity is for "Heavy Lift" mode, without bucket. Lift capacity stays with $\pm 5\%$ for all available track shoes.

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

323D2 L Specifications

323D2 L Mass Excavation Boom Lift Capacities – Long Undercarriage

	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				
	kg	lb	kg	lb	kg	lb	kg	lb	kg	lb	kg	lb	m ft
6.0 m 20.0 ft	kg						*6000	5200			*6000	5100	6.09
	lb										*13,300	11,400	20.00
4.5 m 15.0 ft	kg				*7000	*7000	*6200	5150			*5850	4100	6.92
	lb				*15,100	*15,100	*13,500	11,050			*12,900	9,050	22.50
3.0 m 10.0 ft	kg				*8600	7600	*6850	4950			5700	3600	7.34
	lb				*18,550	16,350	*14,850	10,600			12,550	8,000	24.20
1.5 m 5.0 ft	kg				*10 150	7100	*7550	4700			5500	3450	7.44
	lb				*21,900	15,300	16,350	10,150			12,050	7,600	25.00
0 m 0 ft	kg				*10 900	6850	7450	4600			5650	3550	7.23
	lb				*23,550	14,750	16,000	9,850			12,450	7,800	24.20
-1.5 m -5.0 ft	kg				*15 400	13 200	*10 650	6800			6350	3950	6.68
	lb				*33,450	28,200	*23,100	14,650			14,000	8,700	22.50
-3.0 m -10.0 ft	kg				*13 050	*13 050	*9300	6950			*6950	5000	5.68
	lb				*28,200	*28,200	*20,000	14,900			*15,300	11,150	19.20



ISO 10567

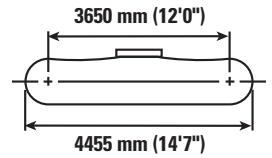
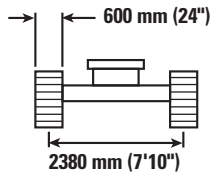
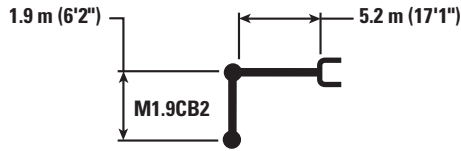


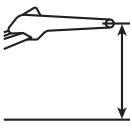













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Lift capacity is for “Heavy Lift” mode, without bucket. Lift capacity stays with ±5% for all available track shoes.

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

323D2 L Mass Excavation Boom Lift Capacities – Long Undercarriage



	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				m ft
													
6.0 m 20.0 ft	kg				*6750	*6750					*6700	5900	5.53
	lb				*14,850	*14,850					*14,750	13,250	18.30
4.5 m 15.0 ft	kg				*7650	*7650					*6600	4550	6.42
	lb				*16,500	*16,500	*14,550	10,850			*14,450	10,050	21.70
3.0 m 10.0 ft	kg				*9200	7450	*7200	4900			6250	3950	6.88
	lb				*19,800	16,000	*15,650	10,500			13,850	8,750	22.50
1.5 m 5.0 ft	kg				*10 550	7000	7550	4700			6000	3800	6.99
	lb				*22,700	15,100	16,250	10,100			13,250	8,350	23.30
0 m 0 ft	kg				*10 950	6850	7450	4600			6250	3900	6.76
	lb				*23,650	14,700	16,000	9,850			13,750	8,600	22.50
-1.5 m -5.0 ft	kg			*14 250	13 300	*10 350	6850	7450	4600		7200	4450	6.17
	lb			*31,000	28,450	*22,450	14,700	16,050	9,900		15,850	9,800	20.80
-3.0 m -10.0 ft	kg			*11 550	*11 550	*8450	7050				*7200	6000	5.07
	lb			*24,900	*24,900	*18,000	15,150				*15,850	13,350	16.70



ISO 10567



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Lift capacity is for "Heavy Lift" mode, without bucket. Lift capacity stays with ±5% for all available track shoes.

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

323D2 L Standard Equipment

Standard Equipment

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

ENGINE

- C7.1 electronic control engine
- Meets U.S. EPA Tier 2, EU Stage II and China Tier 2 emission regulations
- 5000 m altitude capability
- Radial seal air filters (primary and secondary filter)
- Glow plugs (for cold weather start)
- Automatic engine speed control with one touch low idle
- High ambient cooling package 52° C (125° F)
- Starting kit, cold weather, <-18° C (-0° F)
- Water separator with water level indicator sensor
- Waved fin radiator with space for cleaning
- Two speed travel
- Electric priming pump
- Power modes (Eco and High Power)

HYDRAULIC SYSTEM

- Regeneration circuits for boom and stick
- Auxiliary hydraulic valve
- Reverse swing damping valve
- Automatic swing parking brake
- Boom drift reducing valve
- Boom lowering device for back-up
- Stick drift reducing valve
- High performance hydraulic return filters
- Fine swing control
- Capability of installing additional valves, pumps, circuits
- Cat Bio-oil capability B20

CAB

- Pressurized cab
- Positive filtered ventilation
- Adjustable armrest
- Seat belt, retractable (51 mm [2 in] or 76 mm [3 in] width)
- 70/30 split front windshield
- Laminated upper front windshield and tempered other windows
- Sliding upper door window
- Openable front windshield with assist device
- Openable roof hatch
- Removable lower windshield, within cab storage bracket
- Pillar mounted upper windshield wiper and washer
- Bi-level air conditioner (automatic) with defroster (pressurized function)
- Full color and full graphic LCD display with warning, filter/fluid change, and working hour information
- Control lever joysticks, seat integrated
- Neutral lever (lock out) for all controls
- Travel control pedals with removable hand levers

- Radio mounting (DIN size)
- 12V-10A power supply with two lighter sockets
- Two stereo speakers
- Beverage holder
- Coat hook
- Interior lighting
- Ashtray and lighter
- Storage compartment for lunch box
- Capability to install two additional pedals

UNDERCARRIAGE

- Idler and center section track guiding guards
- Towing eye on base frame
- Grease lubricated track GLT2, resin
- Heavy duty rollers
- Center track guiding guard

ELECTRICAL

- Batteries (2 × 900 CCA)
- 115 amp alternator
- 8 kW starter motor
- Capability to connect a beacon*

LIGHTS

- Working lights, boom and cab
- Right working light, storage box mounted
- Interior lighting

SAFETY AND SECURITY

- Cat one key security system
- Door and compartment locks
- Signaling/warning horn
- Rearview mirrors
- Rearview camera ready
- Fire wall between engine and pump compartment
- Emergency engine shutoff switch
- Rear window, emergency exit
- Battery disconnect switch
- Bolt-on FOGS capability
- Cap locks on fuel and hydraulic tanks
- Lockable tool box

COUNTERWEIGHT

- 4.26 mt (9,390 lb) counterweight

TECHNOLOGY

- Cat data link receptacle

*Requires additional hardware (relay, switch, beacon, and electric harness)

Optional Equipment

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

ENGINE

- Starting kit, cold weather, $<-32^{\circ}\text{C}$ (-25.6°F), ether or block heater with two additional batteries
- Air prefilter
- Jump start receptacle
- Fuel tank refueling pump

HYDRAULIC SYSTEM

- Fine Swing control
- Boom and stick high pressure lines
- Boom and stick medium pressure lines
- Boom and stick QC lines
- Tool control system
- Hammer circuit, foot pedal operated
- Two way combined circuit, foot pedal operated
- Two way combined circuit, joystick modulation operated
- Two way combined circuit with medium pressure, joystick modulation operated
- Quick couplers

CAB

- Fully adjustable mechanical suspension seat
- Fully adjustable air suspension seat, with heater
- Rain protector
- Sun visor/screen

UNDERCARRIAGE AND GUARDS

- 600 mm (24") double grouser shoes
- 600 mm (24") triple grouser shoes
- 600 mm (24") heavy duty triple grouser shoes
- 700 mm (28") double grouser shoes
- 700 mm (28") triple grouser shoes
- 700 mm (28") heavy duty triple grouser shoes
- 790 mm (31") triple grouser shoes
- 900 mm (35") triple grouser shoes
- Segmented track guiding guard (two pieces)
- Full length track guiding guard
- Swing frame with bumper capability
- Guard package includes (HD) bottom, (HD) travel motor, swivel guard

FRONT LINKAGE

- Standard 5.7 m (18'8") reach boom with left side light
 - R2.9B1 (9'6") HD stick
 - R2.5B1 (8'2") HD stick
- Heavy Duty 5.7 m (18'8") reach boom with left side light
 - R2.9B1 (9'6") HD stick
 - R2.5B1 (8'2") HD stick
- Mass boom 5.2 m (17'1") with left side light
 - M1.9CB2 (6'2") stick
 - M2.4CB2 (7'11") stick
- Bucket linkage with lifting eye
- Bucket linkage without lifting eye

LIGHTS

- Cab mounted working lights
- Right mounted boom light for reach boom
- Lights, time delay

SAFETY AND SECURITY

- Travel alarm
- Falling Object Guards (FOGS)
- Rearview camera

For more complete information on Cat products, dealer services, and industry solutions, visit us on the web at www.cat.com

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AEHQ7139-01 (06-2014)
Replaces AEHQ7139

