320D/D L Series 2

Hydraulic Excavators



Engine		
Engine Model	Cat® C7.1	
Engine Power (ISO 14396)	112.5 kW	151 hp
Net Power (SAE J1349)	106 kW	142 hp

Weights		
Operating Weight – Std. Undercarriage	21 040 kg-21 690 kg	46,390 lb-47,820 lb
Operating Weight – Long Undercarriage	21 680 kg-22 390 kg	47,800 lb-49,360 lb

320D/D L Series 2 Differentiating Features

Engine and Hydraulics
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 highly efficient hydraulic system which delivers excellent performance with low fuel consumption.

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

Operator Station
The spacious cab features excellent visibility and easy-to-access switches. The monitor features a full-color graphical display that is user intuitive and highly visual. Overall, the new cab provides you with a comfortable working environment for maximum production and efficiency.

Reduced Service and Maintenance Cost
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.

Cat 320D/D L Series 2 Total Solutions
Caterpillar and its extensive dealer network offer a wide variety of solutions designed to meet the unique needs of your business.

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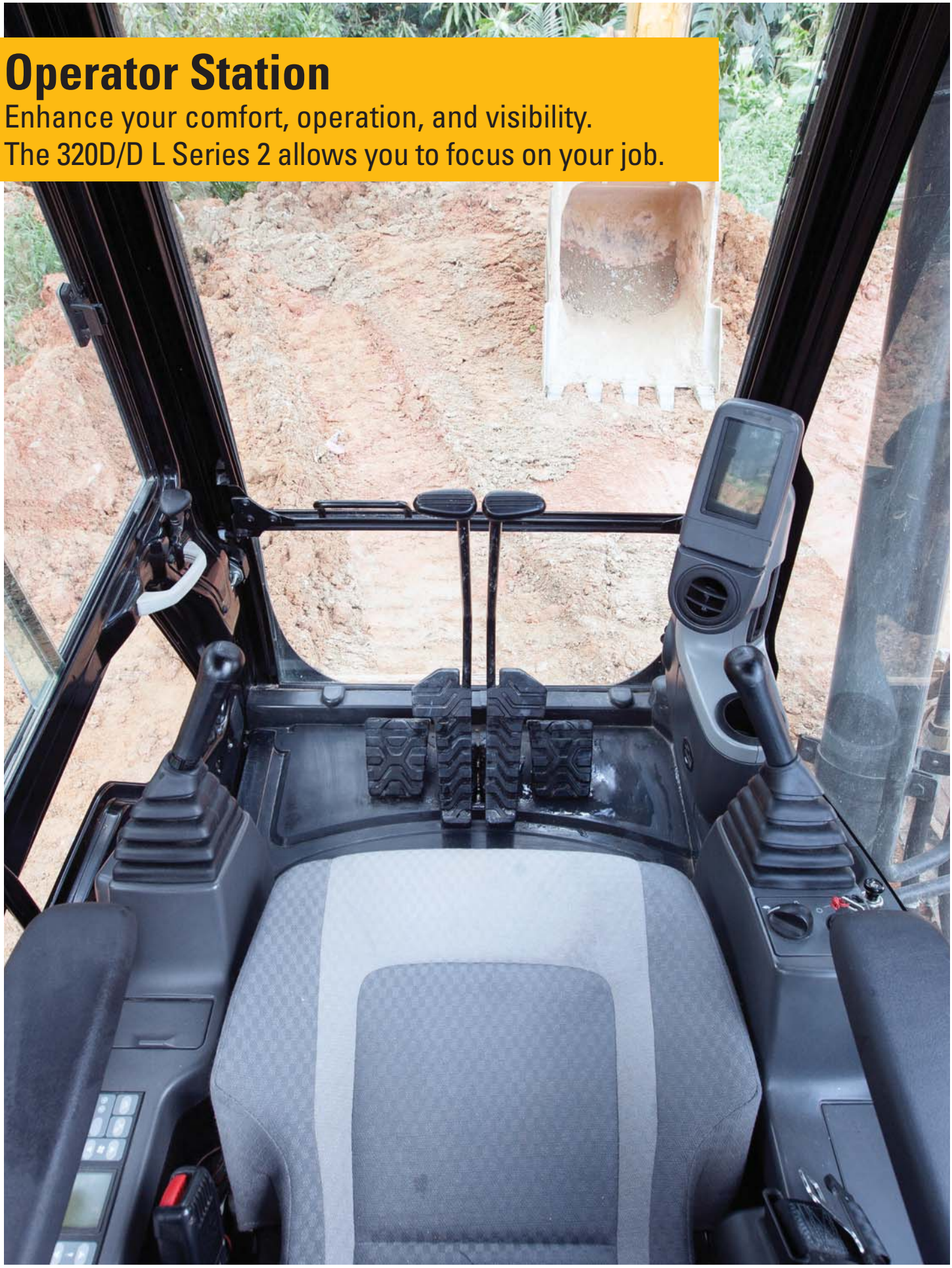




The 320D/D L Series 2 incorporates innovations to improve your job site efficiency through low owning and operating costs, excellent performance, and high versatility.

Operator Station

Enhance your comfort, operation, and visibility.
The 320D/D L Series 2 allows you to focus on your job.



Operator Station
The ergonomically designed operator station is spacious, quiet, and comfortable, assuring high productivity during a long work day. All switches are located in front of the operator for convenient access.



Monitor
The monitor is a full-color Liquid Crystal Display (LCD) that has the capability of displaying information in 42 languages.

Joystick Control
Low-effort pilot-operated joystick controls are designed to match your natural wrist and arm position for maximum comfort and minimum fatigue.



Seat
The suspension seat provides 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, to meet operator needs for comfort and productivity.

Console
The right and left joystick console can be adjusted to meet individual preferences, improving operator comfort and productivity during the course of a day.

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.

Cab Structure and Mounts
The cab shell features a thick steel tubing. This improves resistance to fatigue and vibration. The cab is attached to the frame with viscous rubber cab mounts, which dampen vibrations and sound levels while enhancing operator comfort.



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.

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

Engine

A powerful engine with excellent reliability and low fuel consumption delivering more while boosting your bottom line.





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 engine is powerful, strong, and durable to meet all of your application needs. An ECO-mode feature helps reduce fuel consumption by up to 15 percent for fuel-conscious customers. 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.

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

Radial seal air filters feature 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.

Low Sound, Low Vibration

The Cat C7.1 improves operator comfort by reducing sound and vibration.

Hydraulics

Efficient hydraulic system with low effort joysticks provides precise control regardless of your application.





Hydraulic System

Hydraulic system pressure is 35 000 kPa (5,076 psi) with 202 L/min (53.36 gal/min) flow from each of the two hydraulic pumps for increased digging performance and productivity.

Pilot System

An independent pilot pump enables smooth precise control for the front linkage, swing, and travel operations.

Component Layout

The 320D/D L Series 2 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.

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.

Auxiliary Hydraulic Valve

Control circuits are available as attachments to improve versatility. They allow operation of high- and medium-pressure tools such as shears, grapples, hammers, pulverizers, multi-processors, and vibratory plate compactors.

Boom and Stick Regeneration Circuit

Boom and stick regeneration circuits save 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.

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.

Hydraulic Activation Control Lever

With the hydraulic activation lever in the neutral position all front linkage, swing, and travel functions are isolated.

Undercarriage and Structures

Strong and durable, all you expect from Cat excavators.



Carbody Design and Track Roller Frames

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.

Main Frame

The upper frame is designed using inverse "T" shaped beams made out of high-tensile-strength steel providing excellent durability whatever your application. The 320D/D L Series 2 incorporates a one-piece upper frame table which improves strength and reliability. Both the boom tower and the main frame are constructed of solid plates and the areas adjacent to the boom foot are reinforced, adding to overall durability.

Lower Structure

The 320D/D L Series 2 carbody features a box section "X" structure which is designed with the carbody welded close to the ends of the track roller frame. As a result, overall rigidity is high and resistance to torsional rigidity between the track roller frames and the carbody is also high.
The standard undercarriage is well suited for applications that require frequent repositioning of the machine, restricted work space, or uneven rocky terrain.
The long (L) undercarriage maximizes stability and lift capacity. This long, wide, and sturdy undercarriage offers a very stable work platform.

Rollers and Idlers

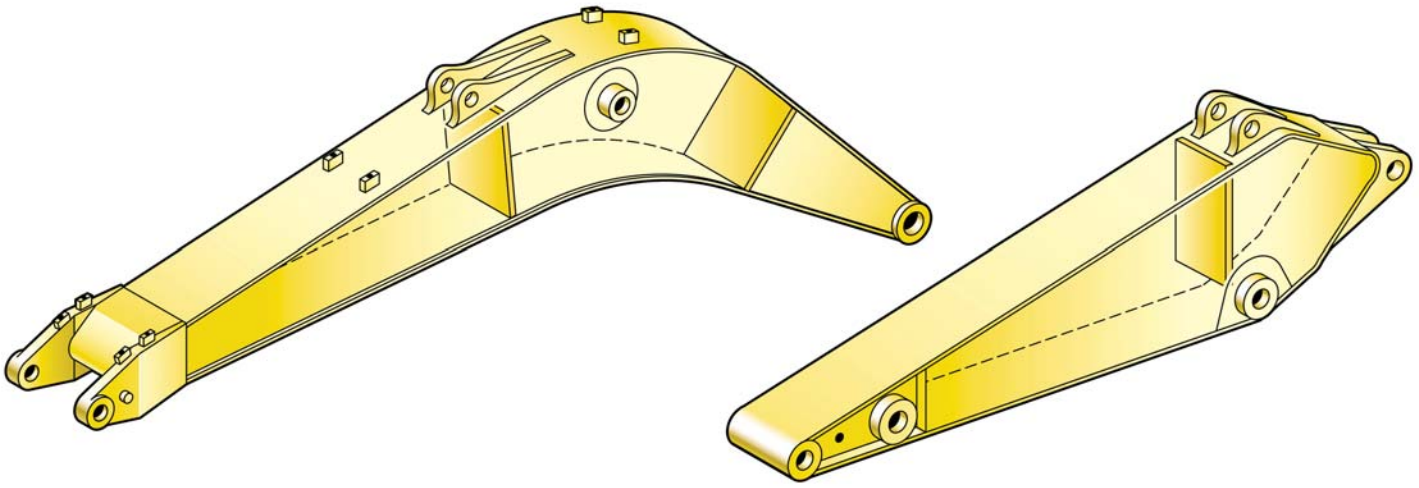
Sealed and lubricated track rollers, carrier rollers, and idlers provide excellent service life to keep your machine in the field and working longer.

Undercarriage

The 320D/D L Series 2 uses a grease-lubricated type track link with grease being sealed between the pin and the bushing. These seals deliver longer wear life by preventing dirt and debris from entering into the space between the pin and the bushing. The master link incorporates a split type pin which helps make routine service and maintenance quick and easy.

Front Linkage

Reliable, durable, and versatile to meet all your application needs.



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. They are 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 HD reach boom has two stick options available to meet all your application requirements.

The 2.9 m (9'6") heavy duty (HD) 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") heavy duty (HD) 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 (7'11") mass excavation stick was designed mainly for large earth moving and is made of high-tensile-strength steel in a box section to make it strong and durable.

Super Long Reach

This super long reach option provides up to 15.2 m (49'10") of reach and is designed for light-duty applications requiring an extra-large working envelope.

Service and Maintenance

Simplified service and maintenance features save you time and money.



Ground-Level Service

The design and layout of the 320D/D L Series 2 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 filters feature 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. A remote mounted greasing point on the swing bearing allows ease of service.

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 320D/D L Series 2 is equipped with Scheduled Oil Sampling (S·O·S^{SM}) 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 Support

Cat dealer services offer a wide range of personalized solutions.

Product Support

Cat dealers utilize a worldwide computer network to find in-stock parts to minimize machine downtime. You can also save money with our line of remanufactured components.

Machine Selection

Your Cat dealers can provide specific recommendations with detailed comparisons of the Cat machines you are considering before you buy. This ensures you get the right size machine and appropriate work tools to meet all of your application needs.

Maintenance Services

Repair option programs guarantee the cost of repairs up front. Condition monitoring services and diagnostic programs such as scheduled oil sampling, coolant sampling, and technical analysis help you avoid unscheduled repairs.

Customer Support Agreements

Cat dealers offer a variety of product support agreements which can be tailored to meet your specific needs. These plans can cover the entire machine – including attachments – to help protect your investment.

Replacement

Repair, rebuild, or replace? Your Cat dealers can help you evaluate the costs involved so you can make the right choice.

Work Tools

Dig, hammer, rip, and cut with confidence.



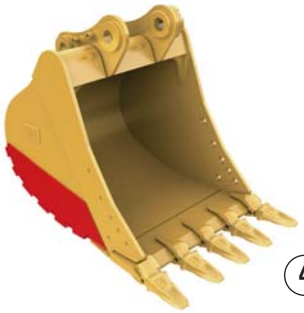
1



2



3



4



5

Each Cat work tool 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 is available for your 320D/D L Series 2.

Buckets

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

Utility Buckets (UD)

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

General Duty Buckets (GD)

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

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.

Severe Duty Buckets (SD)

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

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.

1) Utility Buckets (UD) 2) General Duty Buckets (GD) 3) Heavy Duty Buckets (HD)
4) Severe Duty Buckets (SD) 5) Extreme Duty Buckets (XD)

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



320D/D L Series 2 Hydraulic Excavator Specifications

Engine

Engine Model	Cat C7.1	
Engine Power – ISO 14396	112.5 kW	151 hp
Net Power – SAE J1349	106 kW	142 hp
Bore	105 mm	4.1 in
Stroke	135 mm	5.3 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 4000 m (13,120').

Weights

Operating Weight (ISO 6016)		
Standard Undercarriage		
Minimum Operating Weight*	21 040 kg	46,390 lb
Maximum Operating Weight**	21 690 kg	47,820 lb
Long Undercarriage		
Minimum Operating Weight***	21 680 kg	47,800 lb
Maximum Operating Weight****	22 390 kg	49,360 lb

*HD Reach Boom 5.7 m (18'8"), R2.5m HD (8'2") Stick, 600 mm (24") Triple Grouser Track Shoes, Bucket 1.0 m^3 GD (1.3 yd^3)
**Reach Boom 5.7 m HD (18'8"), R2.9m HD (9'6") Stick, 790 mm (31") Triple Grouser Track Shoes, Bucket 1.0 m^3 GD (1.3 yd^3)
***Mass Boom 5.2 m (17'1"), M2.4CB2 (7'11") Stick, 600 mm (24") Triple Grouser Track Shoes, Bucket 1.56 m^3 SD (2.04 yd^3)
****Reach Boom 5.7 m HD (18'8"), R2.9m HD (9'6") Stick, 790 mm (31") Triple Grouser Track Shoes, Bucket 1.0 m^3 HD (1.3 yd^3)

Swing Mechanism

Swing Speed	10.9 rpm	10.9 rpm
Swing Torque	61.8 kN·m	45,581 lbf-ft

Drive

Maximum Travel Speed	5.4 km/h	3.3 mph
Maximum Drawbar Pull	205 kN	46,086 lbf

Hydraulic System

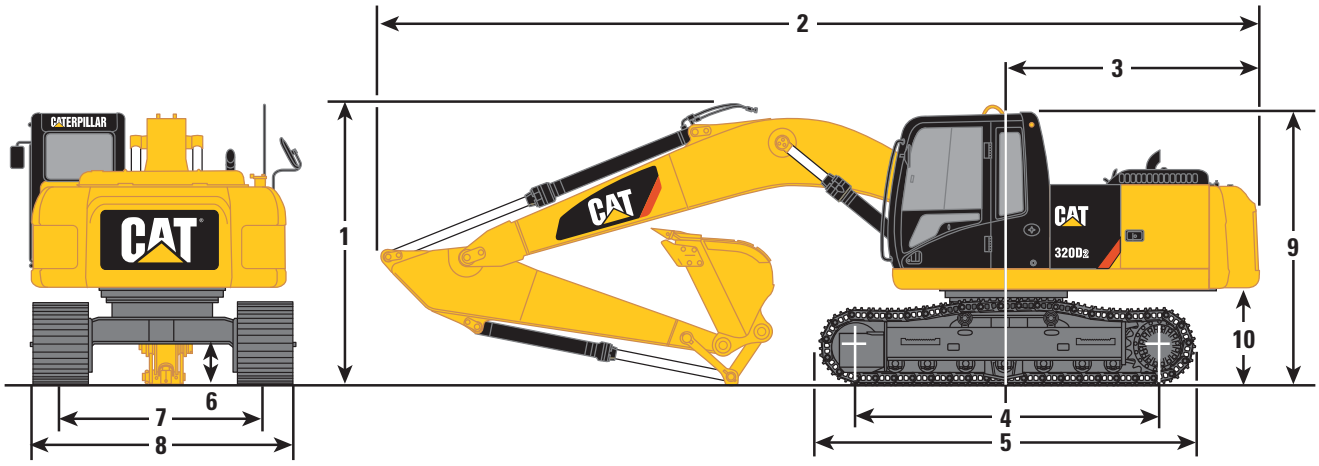
Main System – Maximum Flow (Total)	404 L/min	106.72 gal/min
Swing System – Maximum Flow	202 L/min	53.36 gal/min
Maximum Pressure – Equipment	35 000 kPa	5,076 psi
Maximum Pressure – Equipment (Lift mode ON)	36 000 kPa	5,221 psi
Maximum Pressure – Travel	35 000 kPa	5,076 psi
Maximum Pressure – Swing	25 000 kPa	3,626 psi
Pilot System – Maximum Flow	32.4 L/min	1,977 in^3/min
Pilot System – Maximum Pressure	3900 kPa	566 psi
Boom Cylinder – Bore	120 mm	4.7 in
Boom Cylinder – Stroke	1260 mm	49.6 in
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

Service Refill Capacities

Fuel Tank Capacity	410 L	108.3 gal
Cooling System	25 L	6.6 gal
Engine Oil	22 L	5.8 gal
Swing Drive (each)	8 L	2.1 gal
Final Drive (each)	8 L	2.1 gal
Hydraulic System (including tank)	260 L	68.7 gal
Hydraulic Oil	138 L	36.5 gal

Dimensions

All dimensions are approximate.



		320D/D L Series 2			
		Heavy Duty Reach Boom 5.7 m (18'8")		Mass Boom 5.2 m (17'1")	Super Long Reach 8.85 m (29'0")
		R2.9B1 HD (9'6")	R2.5B1 HD (8'2")	M2.4CB2 (7'11")	Super Long Reach 6.28 m (20'7")
1	Shipping Height*	3030 mm (9'11")	3050 mm (10'0")	3280 mm (10'9")	3050 mm (10'0")
2	Shipping Length	9460 mm (31'0")	9460 mm (31'0")	9050 mm (29'8")	12 680 mm (41'7")
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				
	Standard Undercarriage	3270 mm (10'9")	3270 mm (10'9")	3270 mm (10'9")	3270 mm (10'9")
	Long Undercarriage	3650 mm (12'0")	3650 mm (12'0")	3650 mm (12'0")	3650 mm (12'0")
5	Track Length				
	Standard Undercarriage	4080 mm (13'5")	4080 mm (13'5")	4080 mm (13'5")	4080 mm (13'5")
	Long Undercarriage	4460 mm (14'8")	4460 mm (14'8")	4460 mm (14'8")	4460 mm (14'8")
6	Ground Clearance				
	Long Undercarriage	450 mm (1'6")	450 mm (1'6")	450 mm (1'6")	450 mm (1'6")
7	Track Gauge				
	Standard Undercarriage	2200 mm (7'3")	2200 mm (7'3")	2200 mm (7'3")	2200 mm (7'3")
	Long Undercarriage	2380 mm (7'10")	2380 mm (7'10")	2380 mm (7'10")	2380 mm (7'10")
8	Transport Width				
	Standard Undercarriage				
	600 mm (24") Shoes	2800 mm (9'2")	2800 mm (9'2")	2800 mm (9'2")	2800 mm (9'2")
	700 mm (28") Shoes	2900 mm (9'6")	2900 mm (9'6")	2900 mm (9'6")	2900 mm (9'6")
	790 mm (31") Shoes	2990 mm (9'10")	2990 mm (9'10")	2990 mm (9'10")	2990 mm (9'10")
	Long Undercarriage				
	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")
9	Cab Height	2950 mm (9'8")	2950 mm (9'8")	2950 mm (9'8")	2950 mm (9'8")
	Cab Height with Top Guard	3090 mm (10'2")	3090 mm (10'2")	3090 mm (10'2")	3090 mm (10'2")
10	Counterweight Clearance**	1020 mm (3'4")	1020 mm (3'4")	1020 mm (3'4")	1020 mm (3'4")
Bucket	Type	HD	HD	GD	DC
	Capacity	1.0 m^3 (1.3 yd^3)	1.0 m^3 (1.3 yd^3)	1.1 m^3 (1.4 yd^3)	0.45 m^3 (0.6 yd^3)
	Tip Radius	1500 mm (4'11")	1500 mm (4'11")	1570 mm (5'2")	1220 mm (4'0")

All dimensions based on bucket A (see table).

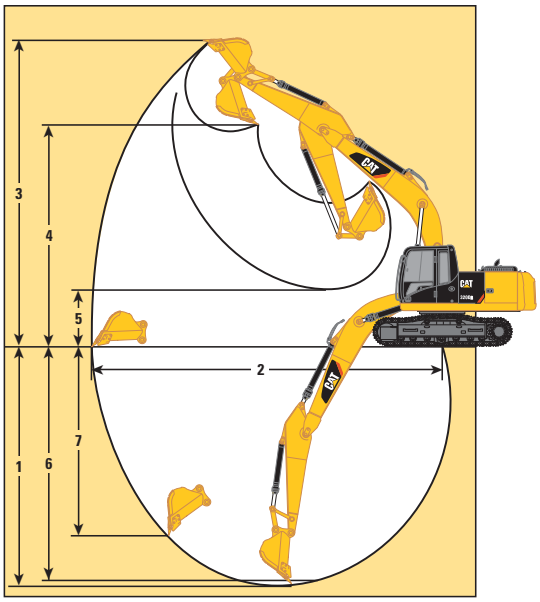
*Including shoe lug height.

**Without shoe lug height.

320D/D L Series 2 Hydraulic Excavator Specifications

Working Ranges

All dimensions are approximate.



		Heavy Duty Reach Boom 5.7 m (18'8")		Mass Boom 5.2 m (17'1")	Super Long Reach 8.85 m (29'0")
		R2.9B1 HD (9'6")	R2.5B1 HD (8'2")	M2.4CB2 (7'11")	Super Long Reach 6.28 m (20'7")
1	Maximum Digging Depth	6660 mm (21'10")	6240 mm (20'6")	5770 mm (18'11")	11 870 mm (38'11")
2	Maximum Reach at Ground Level	9790 mm (32'1")	9400 mm (30'10")	8850 mm (29'0")	15 720 mm (51'7")
3	Maximum Cutting Height	9450 mm (31'0")	9240 mm (30'4")	8780 mm (28'10")	13 300 mm (43'8")
4	Maximum Loading Height	6560 mm (21'6")	6360 mm (20'10")	5840 mm (19'2")	11 020 mm (36'2")
5	Minimum Loading Height	2240 mm (7'4")	2660 mm (8'9")	2340 mm (7'8")	1970 mm (6'6")
6	Maximum Depth Cut for 2440 mm (8'0") Level Bottom	6480 mm (21'3")	6040 mm (19'10")	5390 mm (17'8")	11 770 mm (38'7")
7	Maximum Vertical Wall Digging Depth	6010 mm (19'7")	5600 mm (18'4")	4890 mm (16'1")	8900 mm (29'2")
Bucket	Type	HD	HD	GD	DC
	Capacity	1.0 m^3 (1.3 yd^3)	1.0 m^3 (1.3 yd^3)	1.1 m^3 (1.4 yd^3)	0.45 m^3 (0.6 yd^3)
	Tip Radius	1500 mm (4'11")	1500 mm (4'11")	1570 mm (5'2")	1220 mm (4'0")

China		Heavy Duty Reach Boom 5.7 m (18'8")		Mass Boom 5.2 m (17'1")	Super Long Reach 8.85 m (29'0")
		R2.9B1 HD (9'6")	R2.5B1 HD (8'2")	M2.4CB2 (7'11")	Super Long Reach 6.28 m (20'7")
1	Maximum Digging Depth	6720 mm (22'1")	6300 mm (20'8")	NA	11 870 mm (38'11")
2	Maximum Reach at Ground Level	9890 mm (32'5")	9470 mm (31'1")	NA	15 720 mm (51'7")
3	Maximum Cutting Height	9490 mm (31'2")	9250 mm (30'4")	NA	13 300 mm (43'8")
4	Maximum Loading Height	6490 mm (21'4")	6290 mm (20'8")	NA	11 020 mm (36'2")
5	Minimum Loading Height	2170 mm (7'1")	2590 mm (8'6")	NA	1970 mm (6'6")
6	Maximum Depth Cut for 2440 mm (8'0") Level Bottom	6380 mm (20'11")	5960 mm (19'7")	NA	11 770 mm (38'7")
7	Maximum Vertical Wall Digging Depth	5690 mm (18'8")	5290 mm (17'4")	NA	8900 mm (29'2")
Bucket	Type	HD	HD	NA	DC
	Capacity	1.0 m^3 (1.3 yd^3)	1.2 m^3 (1.6 yd^3)	NA	0.9 m^3 (1.2 yd^3)
	Tip Radius	1570 mm (5'2")	1560 mm (5'1")	NA	1470 mm (4'10")

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.

	320D Series 2									
	790 mm (31") Triple Grouser Shoes		700 mm (28") Triple Grouser Shoes		600 mm (24") Triple Grouser Shoes		600 mm (24") HD Triple Grouser Shoes		600 mm (24") Double Grouser Shoes	
Heavy Duty Reach Boom – 5.7 m (18'8")										
R2.9B1 HD (9'6")	21 690 kg (47,820 lb)	37.9 kPa (5.5 psi)	21 450 kg (47,290 lb)	42.3 kPa (6.1 psi)	21 110 kg (46,540 lb)	48.6 kPa (7.1 psi)	21 460 kg (47,310 lb)	49.4 kPa (7.2 psi)	21 550 kg (47,510 lb)	49.6 kPa (7.2 psi)
R2.5B1 HD (8'2")	21 620 kg (47,660 lb)	37.8 kPa (5.5 psi)	21 380 kg (47,130 lb)	42.2 kPa (6.1 psi)	21 040 kg (46,390 lb)	48.5 kPa (7.0 psi)	21 390 kg (47,160 lb)	49.3 kPa (7.1 psi)	21 480 kg (47,360 lb)	49.5 kPa (7.2 psi)
Mass Boom – 5.2 m (17'1")										
M2.4CB2 (7'11")	21 340 kg (47,050 lb)	37.3 kPa (5.4 psi)	21 100 kg (46,520 lb)	41.7 kPa (6.0 psi)	20 760 kg (45,770 lb)	47.8 kPa (6.9 psi)	21 110 kg (46,540 lb)	48.6 kPa (7.1 psi)	21 200 kg (46,740 lb)	48.8 kPa (7.1 psi)

	320D L Series 2							
	790 mm (31") Triple Grouser Shoes		700 mm (28") Triple Grouser Shoes		600 mm (24") Triple Grouser Shoes		600 mm (24") Double Grouser Shoes	
Heavy Duty Reach Boom – 5.7 m (18'8")								
R2.9B1 HD (9'6")	22 390 kg (49,360 lb)	35.4 kPa (5.1 psi)	22 120 kg (48,770 lb)	39.4 kPa (5.7 psi)	21 750 kg (47,950 lb)	45.2 kPa (6.6 psi)	22 120 kg (48,770 lb)	46.0 kPa (6.7 psi)
R2.5B1 HD (8'2")	22 320 kg (49,210 lb)	35.3 kPa (5.1 psi)	22 050 kg (48,610 lb)	39.3 kPa (5.7 psi)	21 680 kg (47,800 lb)	45.1 kPa (6.5 psi)	22 050 kg (48,610 lb)	45.9 kPa (6.7 psi)
Mass Boom – 5.2 m (17'1")								
M2.4CB2 (7'11")	22 040 kg (48,590 lb)	34.8 kPa (5.0 psi)	21 770 kg (47,990 lb)	38.8 kPa (5.6 psi)	21 400 kg (47,180 lb)	44.5 kPa (6.5 psi)	21 770 kg (47,990 lb)	45.3 kPa (6.6 psi)
Super Long Reach	21 955 kg (48,400 lb)	34.7 kPa (5.0 psi)	21 690 kg (47,820 lb)	38.7 kPa (5.6 psi)	21 320 kg (47,000 lb)	44.3 kPa (6.4 psi)	21 420 kg (47,220 lb)	44.6 kPa (6.5 psi)

***Note:** The ISO 6016 machine operating weight includes the below content:

- Base machine with no optional attachments
- 75 kg (165 lb) operator
- 100% fuel tank
- Bucket:
  - 1250 mm (50 in)/1.0 m^3 (1.3 yd^3) GD weight 820 kg (1,810 lb)
  - 1050 mm (42 in)/1.0 m^3 (1.3 yd^3) HD weight 930 kg (2,050 lb)
  - 1350 mm (54 in)/1.56 m^3 (2.04 yd^3) SD weight 1210 kg (2,670 lb)
  - 810 mm (32 in)/0.45 m^3 (0.6 yd^3) DC weight 340 kg (750 lb)

Major Component Weights

	320D Series 2	320D L Series 2
Base Machine (includes boom cylinders, pins, fluids and counterweight) with Full Fuel Tank	10 340 kg (22,800 lb)	10 340 kg (22,800 lb)
Boom (includes lines, pins and stick cylinder)		
Heavy Duty Reach Boom – 5.7 m (18'8")	2170 kg (4,780 lb)	2170 kg (4,780 lb)
Mass Boom – 5.2 m (17'1")	1840 kg (4,060 lb)	1840 kg (4,060 lb)
Super Long Reach – 8.85 m (29'0")	—	2350 kg (5,180 lb)
Stick (includes lines, stick pins, bucket pins and bucket cylinder)		
R2.9B1 HD (9'6")	1040 kg (2,290 lb)	1040 kg (2,290 lb)
R2.5B1 HD (8'2")	970 kg (2,140 lb)	970 kg (2,140 lb)
M2.4CB2 (7'11")	1020 kg (2,250 lb)	1020 kg (2,250 lb)
Super Long Reach – 6.28 m (20'7")	—	1020 kg (2,250 lb)
Undercarriage		
Standard Undercarriage	4180 kg (9,220 lb)	—
Long Undercarriage	—	4490 kg (9,900 lb)
Track Shoes		
600 mm (24") Triple Grouser Shoes	2480 kg (5,470 lb)	2700 kg (5,950 lb)
HD 600 mm (24") Triple Grouser Shoes	2830 kg (6,240 lb)	—
600 mm (24") Double Grouser Shoes	2920 kg (6,440 lb)	3070 kg (6,770 lb)
700 mm (28") Triple Grouser Shoes	2820 kg (6,220 lb)	3070 kg (6,770 lb)
790 mm (31") Triple Grouser Shoes	3060 kg (6,750 lb)	3340 kg (7,360 lb)
Common Buckets/Tools		
Quick Coupler (Center-Lock Type)	420 kg (930 lb)	420 kg (930 lb)

Note: Kg and lb were rounded up separately so some of the kg and lb do not match.
Offering varies for different regions.

Bucket and Stick Forces

	Heavy Duty Reach Boom 5.7 m (18'8")		Mass Boom 5.2 m (17'1")	Super Long Reach 8.85 m (29'0")
	R2.9B1 HD (9'6")	R2.5B1 HD (8'2")	M2.4CB2 (7'11")	Super Long Reach 6.28 m (20'7")
General Duty				
Bucket Digging Force (ISO)	148 kN (33,245 lbf)	148 kN (33,245 lbf)	194 kN (43,566 lbf)	61 kN (13,691 lbf)
Stick Digging Force (ISO)	108 kN (24,286 lbf)	120 kN (26,955 lbf)	131 kN (29,378 lbf)	49 kN (10,948 lbf)
Bucket Digging Force (SAE)	130 kN (29,313 lbf)	130 kN (29,313 lbf)	169 kN (37,950 lbf)	54 kN (12,185 lbf)
Stick Digging Force (SAE)	105 kN (23,497 lbf)	116 kN (25,974 lbf)	125 kN (28,180 lbf)	48 kN (10,813 lbf)
Heavy Duty				
Bucket Digging Force (ISO)	140 kN (31,502 lbf)	140 kN (31,502 lbf)	180 kN (40,396 lbf)	
Stick Digging Force (ISO)	107 kN (23,960 lbf)	118 kN (26,550 lbf)	128 kN (28,850 lbf)	
Bucket Digging Force (SAE)	125 kN (28,052 lbf)	125 kN (28,052 lbf)	161 kN (36,176 lbf)	
Stick Digging Force (SAE)	104 kN (23,301 lbf)	114 kN (25,723 lbf)	124 kN (27,964 lbf)	
Heavy Duty – Power				
Bucket Digging Force (ISO)	163 kN (36,709 lbf)	163 kN (36,709 lbf)		
Stick Digging Force (ISO)	109 kN (24,486 lbf)	121 kN (27,202 lbf)		
Bucket Digging Force (SAE)	144 kN (32,420 lbf)	144 kN (32,420 lbf)		
Stick Digging Force (SAE)	105 kN (23,706 lbf)	117 kN (26,231 lbf)		
Severe Duty				
Bucket Digging Force (ISO)	140 kN (31,417 lbf)	140 kN (31,417 lbf)		
Stick Digging Force (ISO)	106 kN (23,938 lbf)	118 kN (26,521 lbf)		
Bucket Digging Force (SAE)	122 kN (27,517 lbf)	122 kN (27,517 lbf)		
Stick Digging Force (SAE)	103 kN (23,173 lbf)	114 kN (25,568 lbf)		

320D Series 2 Bucket Specifications and Compatibility (Asia Pacific) – Standard Undercarriage

									320D Series 2								
									Heavy Duty Reach Boom						Mass Boom		
		Width		Capacity		Weight		Fill	R5.7HD	R5.7HD	R5.7HD	R5.7HD	R5.7HD	R5.7HD	M5.2	M5.2	M5.2
									R2.5B1HD	R2.5B1HD	R2.5B1HD	R2.9B1HD	R2.9B1HD	R2.9B1HD	M2.4CB2	M2.4CB2	M2.4CB2
	Linkage	mm	in	m^3	yd^3	kg	lb	%	600 mm (24")	700 mm (28")	790 mm (31")	600 mm (24")	700 mm (28")	790 mm (31")	600 mm (24")	700 mm (28")	790 mm (31")
Without Quick Coupler																	
General Duty (GD)	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%	●	●	●	◉	◉	◉			
	B	1250	50	1.00	1.31	797	1,756	100%	◉	◉	◉	⊖	⊖	⊖			
	B	1400	56	1.14	1.49	863	1,902	100%	⊖	⊖	⊖	○	○	○			
Heavy Duty (HD)	B	1050	42	1.00	1.31	880	1,940	100%	◉	◉	◉	⊖	⊖	⊖			
	B	1200	48	1.19	1.56	972	2,141	100%	○	⊖	⊖	○	○	○			
	B	1350	54	1.38	1.81	1054	2,322	100%	◇	○	○	◇	◇	◇			
Heavy Duty (HD) – China	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	1050	42	1.00	1.31	964	2,125	90%	◉	◉	◉	⊖	⊖	⊖			
	CB	1350	54	1.56	2.04	1249	2,753	90%							○	○	○
Severe Duty (SD) – China	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	2625	2675	2710	2405	2450	2485	3105	3160	3200
								lb	5,786	5,896	5,973	5,301	5,400	5,477	6,843	6,965	7,053
With Center-Lock Coupler																	
Heavy Duty (HD)	B	1050	42	1.00	1.31	880	1,940	100%	○	○	○	◇	○	○			
	B	1200	48	1.19	1.56	972	2,141	100%	◇	◇	◇	◇	◇	◇			
	B	1350	54	1.38	1.81	1054	2,322	100%	X	◇	◇	X	X	X			
Severe Duty (SD)	B	600	24	0.46	0.61	694	1,530	90%	●	●	●	●	●	●			
	B	1050	42	1.00	1.31	964	2,125	90%	○	⊖	⊖	○	○	○			
	CB	1350	54	1.56	2.04	1249	2,753	90%							◇	◇	◇
Maximum load pin-on (payload + bucket)								kg	2215	2265	2300	1995	2040	2075	2695	2750	2790
								lb	4,883	4,993	5,070	4,398	4,497	4,574	5,940	6,062	6,150

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 Long tips

Maximum Material Density:

- ● 2100 kg/m^3 (3,500 lb/yd^3)
- ◉ 1800 kg/m^3 (3,000 lb/yd^3)
- ⊖ 1500 kg/m^3 (2,500 lb/yd^3)
- ○ 1200 kg/m^3 (2,000 lb/yd^3)
- ◇ 900 kg/m^3 (1,500 lb/yd^3)
- X Not recommended

320D L Series 2 Bucket Specifications and Compatibility (Asia Pacific) – Long Undercarriage

									320D L Series 2								
									Heavy Duty Reach Boom						Mass Boom		
		Width		Capacity		Weight		Fill	R5.7HD	R5.7HD	R5.7HD	R5.7HD	R5.7HD	R5.7HD	M5.2	M5.2	M5.2
									R2.5B1HD	R2.5B1HD	R2.5B1HD	R2.9B1HD	R2.9B1HD	R2.9B1HD	M2.4CB2	M2.4CB2	M2.4CB2
	Linkage	mm	in	m^3	yd^3	kg	lb	%	600 mm (24")	700 mm (28")	790 mm (31")	600 mm (24")	700 mm (28")	790 mm (31")	600 mm (24")	700 mm (28")	790 mm (31")
Without Quick Coupler																	
General Duty (GD)	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%	●	●	●	●	●	●			
	B	1250	50	1.00	1.31	797	1,756	100%	●	●	●	◉	●	●			
	B	1400	56	1.14	1.49	863	1,902	100%	◉	◉	◉	⊖	◉	◉			
Heavy Duty (HD)	B	1050	42	1.00	1.31	880	1,940	100%	●	●	●	◉	◉	◉			
	B	1200	48	1.19	1.56	972	2,141	100%	⊖	◉	◉	⊖	⊖	⊖			
	B	1350	54	1.38	1.81	1054	2,322	100%	○	⊖	⊖	○	○	○			
Heavy Duty (HD) – China	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	1050	42	1.00	1.31	964	2,125	90%	●	●	●	◉	●	●			
	CB	1350	54	1.56	2.04	1249	2,753	90%							⊖	⊖	⊖
Severe Duty (SD) – China	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
With Center-Lock Coupler																	
Heavy Duty (HD)	B	1050	42	1.00	1.31	880	1,940	100%	⊖	◉	◉	⊖	⊖	⊖			
	B	1200	48	1.19	1.56	972	2,141	100%	○	○	⊖	○	○	○			
	B	1350	54	1.38	1.81	1054	2,322	100%	◇	○	○	◇	◇	◇			
Severe Duty (SD)	B	600	24	0.46	0.61	694	1,530	90%	●	●	●	●	●	●			
	B	1050	42	1.00	1.31	964	2,125	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

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 Long tips

Maximum Material Density:

- ● 2100 kg/m^3 (3,500 lb/yd^3)
- ◉ 1800 kg/m^3 (3,000 lb/yd^3)
- ⊖ 1500 kg/m^3 (2,500 lb/yd^3)
- ○ 1200 kg/m^3 (2,000 lb/yd^3)
- ◇ 900 kg/m^3 (1,500 lb/yd^3)

320D/D L Series 2 Hydraulic Excavator Specifications

320D Series 2 Bucket Specifications and Compatibility (South America) – Standard Undercarriage

									320D Series 2					
									Heavy Duty Reach Boom					
		Width		Capacity		Weight		Fill	R5.7HD	R5.7HD	R5.7HD	R5.7HD	R5.7HD	R5.7HD
									R2.5B1HD	R2.5B1HD	R2.5B1HD	R2.9B1HD	R2.9B1HD	R2.9B1HD
	Linkage	mm	in	m^3	yd^3	kg	lb	%	600 mm (24")	700 mm (28")	790 mm (31")	600 mm (24")	700 mm (28")	790 mm (31")
Without Quick Coupler														
Heavy Duty (HD)	B	1050	42	1.00	1.31	880	1,940	100%	◉	◉	◉	⊖	⊖	⊖
	B	1200	48	1.19	1.56	918	2,024	100%	⊖	⊖	⊖	○	○	○
	B	1350	54	1.40	1.83	1012	2,230	100%	○	○	○	◇	◇	◇
Maximum load pin-on (payload + bucket)								kg	2625	2675	2710	2405	2450	2485
								lb	5,786	5,896	5,973	5,301	5,400	5,477
With Center-Lock Coupler														
Heavy Duty (HD)	B	1050	42	1.00	1.31	880	1,940	100%	○	○	○	◇	○	○
	B	1200	48	1.19	1.56	918	2,024	100%	◇	◇	○	◇	◇	◇
	B	1350	54	1.40	1.83	1012	2,230	100%	◇	◇	◇	X	X	X
Maximum load with coupler (payload + bucket)								kg	2215	2265	2300	1995	2040	2075
								lb	4,883	4,993	5,070	4,398	4,497	4,574

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 Long tips

Maximum Material Density:

- ◉ 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)
- X Not recommended

320D L Series 2 Bucket Specifications and Compatibility (South America) – Long Undercarriage

									320D L Series 2					
									Heavy Duty Reach Boom					
		Width		Capacity		Weight		Fill	R5.7HD	R5.7HD	R5.7HD	R5.7HD	R5.7HD	R5.7HD
									R2.5B1HD	R2.5B1HD	R2.5B1HD	R2.9B1HD	R2.9B1HD	R2.9B1HD
	Linkage	mm	in	m^3	yd^3	kg	lb	%	600 mm (24")	700 mm (28")	790 mm (31")	600 mm (24")	700 mm (28")	790 mm (31")
Without Quick Coupler														
Heavy Duty (HD)	B	1050	42	1.00	1.31	880	1,940	100%	●	●	●	◉	◉	◉
	B	1200	48	1.19	1.56	918	2,024	100%	◉	◉	◉	⊖	⊖	⊖
	B	1350	54	1.40	1.83	1012	2,230	100%	○	⊖	⊖	○	○	○
Maximum load pin-on (payload + bucket)								kg	2990	3050	3090	2755	2815	2850
								lb	6,590	6,722	6,810	6,072	6,204	6,281
With Center-Lock Coupler														
Heavy Duty (HD)	B	1050	42	1.00	1.31	880	1,940	100%	⊖	◉	◉	⊖	⊖	⊖
	B	1200	48	1.19	1.56	918	2,024	100%	○	⊖	⊖	○	○	○
	B	1350	54	1.40	1.83	1012	2,230	100%	◇	○	○	◇	◇	◇
Maximum load with coupler (payload + bucket)								kg	2580	2640	2680	2345	2405	2440
								lb	5,687	5,819	5,907	5,169	5,301	5,378

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 Long 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)

320D L Series 2 Bucket Specifications and Compatibility (Africa, Middle East & CIS) – Long Undercarriage

									320D L Series 2					
									Heavy Duty Reach Boom					
		Width		Capacity		Weight		Fill	R5.7HD	R5.7HD	R5.7HD	R5.7HD	R5.7HD	R5.7HD
									R2.5B1HD	R2.5B1HD	R2.5B1HD	R2.9B1HD	R2.9B1HD	R2.9B1HD
	Linkage	mm	in	m^3	yd^3	kg	lb	%	600 mm (24")	700 mm (28")	790 mm (31")	600 mm (24")	700 mm (28")	790 mm (31")
Without Quick Coupler														
General Duty (GD)	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%	⊖	⊖	◉	⊖	⊖	⊖
	B	1400	55	1.43	1.87	870	1,918	100%	⊖	⊖	⊖	○	○	○
Heavy Duty (HD)	B	1050	42	1.00	1.31	880	1,940	100%	●	●	●	◉	◉	◉
	B	1200	48	1.19	1.56	907	1,999	100%	◉	◉	◉	⊖	⊖	⊖
	B	1300	52	1.30	1.71	962	2,120	100%	⊖	⊖	⊖	○	○	⊖
	CB	1500	59	1.76	2.30	1234	2,719	100%						
Severe Duty (SD)	B	1050	42	1.00	1.31	964	2,125	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 pin-on (payload + bucket)								kg	2990	3050	3090	2755	2815	2850
								lb	6,590	6,722	6,810	6,072	6,204	6,281
With Center-Lock Coupler														
General Duty (GD)	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%	○	○	○	○	○	○
	B	1400	55	1.43	1.87	870	1,918	100%	○	○	○	◇	◇	◇
Heavy Duty (HD)	B	1050	42	1.00	1.31	880	1,940	100%	⊖	◉	◉	⊖	⊖	⊖
	B	1200	48	1.19	1.56	907	1,999	100%	○	⊖	⊖	○	○	○
	B	1300	52	1.30	1.71	962	2,120	100%	○	○	○	◇	◇	◇
	CB	1500	59	1.76	2.30	1234	2,719	100%						
Severe Duty (SD)	B	1050	42	1.00	1.31	964	2,125	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
								lb	5,687	5,819	5,907	5,169	5,301	5,378
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
								lb	6,035	6,167	6,255	5,517	5,649	5,726
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
								lb	5,567	5,700	5,788	5,049	5,182	5,259

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.

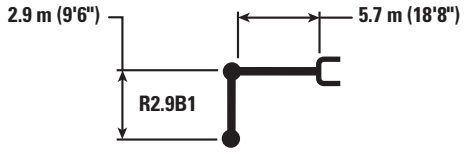
Bucket weight with Long tips

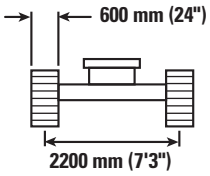
Maximum Material Density:

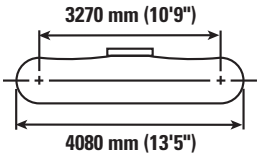
- ● 2100 kg/m^3 (3,500 lb/yd^3)
- ◉ 1800 kg/m^3 (3,000 lb/yd^3)
- ⊖ 1500 kg/m^3 (2,500 lb/yd^3)
- ○ 1200 kg/m^3 (2,000 lb/yd^3)
- ◇ 900 kg/m^3 (1,500 lb/yd^3)

320D/D L Series 2 Hydraulic Excavator Specifications

320D Series 2 Heavy Duty Reach Boom Lift Capacities – Standard 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**							*4500	*4500			*3850 ***8,600**	*3850 ***8,600**	6.15 **19.78**
6.0 m **20.0 ft**	kg **lb**							*4800 ***10,550**	4600 **9,900**			*3600 ***7,900**	3300 **7,300**	7.28 **23.71**
4.5 m **15.0 ft**	kg **lb**							*5300 ***11,500**	4450 **9,550**	4600 **9,800**	3100 **6,600**	*3500 ***7,700**	2750 **6,100**	7.98 **26.10**
3.0 m **10.0 ft**	kg **lb**					*7750 ***16,650**	6400 **13,800**	*6050 ***13,150**	4200 **9,000**	4450 **9,600**	2950 **6,350**	*3600 ***7,900**	2500 **5,450**	8.35 **27.38**
1.5 m **5.0 ft**	kg **lb**					*9350 **20,100**	5850 **12,600**	6050 **12,950**	3900 **8,450**	4350 **9,300**	2850 **6,100**	3600 **7,950**	2350 **5,200**	8.44 **27.70**
0.0 m **0.0 ft**	kg **lb**			*6200 ***14,200**	*6200 ***14,200**	9000 **19,350**	5550 **11,900**	5800 **12,500**	3750 **8,050**	4200 **9,100**	2750 **5,900**	3700 **8,100**	2400 **5,250**	8.26 **27.09**
–1.5 m **–5.0 ft**	kg **lb**	*6600 ***14,750**	*6600 ***14,750**	*10 700 ***24,300**	10 300 **22,100**	8900 **19,100**	5450 **11,700**	5750 **12,300**	3650 **7,850**	4200 **9,000**	2700 **5,850**	4000 **8,800**	2600 **5,700**	7.78 **25.48**
–3.0 m **–10.0 ft**	kg **lb**	*11 350 ***25,500**	*11 350 ***25,500**	*13 700 ***29,600**	10 500 **22,550**	8950 **19,250**	5500 **11,850**	5750 **12,400**	3700 **7,950**			4700 **10,450**	3050 **6,800**	6.94 **22.67**
–4.5 m **–15.0 ft**	kg **lb**			*10 850 ***23,250**	*10 850 ***23,250**	*7800 ***16,600**	5750 **12,350**					*5900 ***12,900**	4250 **9,600**	5.60 **18.08**

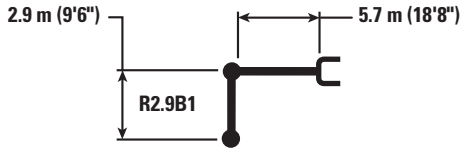
* **ISO 10567**

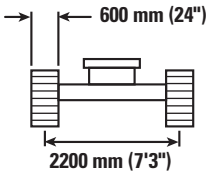
*Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories 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.

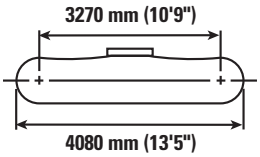
Lift capacity stays with ±5% for all available track shoes.

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

320D Series 2 Heavy Duty Reach Boom Lift Capacities – Standard 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**							*4500	*4500			*3850 ***8,600**	*3850 ***8,600**	6.15 **19.78**
6.0 m **20.0 ft**	kg **lb**							*4800 ***10,550**	4700 **10,050**			*3600 ***7,900**	3350 **7,400**	7.28 **23.71**
4.5 m **15.0 ft**	kg **lb**							*5300 ***11,500**	4500 **9,700**	4650 **10,000**	3150 **6,700**	*3500 ***7,700**	2800 **6,200**	7.98 **26.10**
3.0 m **10.0 ft**	kg **lb**					*7750 ***16,650**	6500 **14,000**	*6050 ***13,150**	4250 **9,150**	4550 **9,750**	3000 **6,450**	*3600 ***7,900**	2550 **5,550**	8.35 **27.38**
1.5 m **5.0 ft**	kg **lb**					*9350 ***20,150**	5950 **12,800**	6150 **13,200**	4000 **8,600**	4400 **9,450**	2900 **6,200**	3700 **8,100**	2400 **5,300**	8.44 **27.70**
0.0 m **0.0 ft**	kg **lb**			*6200 ***14,200**	*6200 ***14,200**	9150 **19,650**	5650 **12,100**	5900 **12,750**	3800 **8,150**	4300 **9,250**	2800 **6,000**	3750 **8,250**	2450 **5,350**	8.26 **27.09**
–1.5 m **–5.0 ft**	kg **lb**	*6600 ***14,750**	*6600 ***14,750**	*10 700 ***24,300**	10 500 **22,450**	9050 **19,400**	5550 **11,900**	5850 **12,550**	3700 **8,000**	4250 **9,150**	2750 **5,950**	4050 **8,950**	2650 **5,800**	7.78 **25.48**
–3.0 m **–10.0 ft**	kg **lb**	*11 350 ***25,500**	*11 350 ***25,500**	*13 700 ***29,600**	10 700 **22,900**	9100 **19,550**	5600 **12,050**	5850 **12,600**	3750 **8,050**			4800 **10,650**	3100 **6,900**	6.94 **22.67**
–4.5 m **–15.0 ft**	kg **lb**			*10 850 ***23,250**	*10 850 ***23,250**	*7800 ***16,600**	5800 **12,550**					*5900 ***12,900**	4350 **9,750**	5.60 **18.08**

* **ISO 10567**

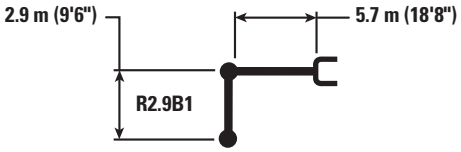
*Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories 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.

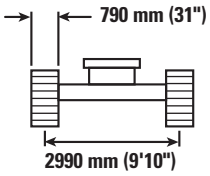
Lift capacity stays with ±5% for all available track shoes.

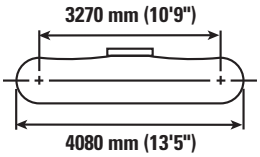
Always refer to the appropriate Operation and Maintenance Manual for specific product information.

320D/D L Series 2 Hydraulic Excavator Specifications

320D Series 2 Heavy Duty Reach Boom Lift Capacities – Standard 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**							*4500	*4500			*3850 ***8,600**	*3850 ***8,600**	6.15 **19.78**
6.0 m **20.0 ft**	kg **lb**							*4800 ***10,550**	4700 **10,100**			*3600 ***7,900**	3350 **7,500**	7.28 **23.71**
4.5 m **15.0 ft**	kg **lb**							*5300 ***11,500**	4550 **9,800**	4700 **10,100**	3150 **6,750**	*3500 ***7,700**	2850 **6,250**	7.98 **26.1**
3.0 m **10.0 ft**	kg **lb**					*7750 ***16,650**	6550 **14,100**	*6050 ***13,150**	4300 **9,250**	4600 **9,850**	3050 **6,550**	*3600 ***7,900**	2550 **5,600**	8.35 **27.38**
1.5 m **5.0 ft**	kg **lb**					*9350 ***20,150**	6000 **12,950**	6200 **13,300**	4050 **8,650**	4450 **9,550**	2950 **6,300**	3750 **8,200**	2450 **5,350**	8.44 **27.7**
0.0 m **0.0 ft**	kg **lb**			*6200 ***14,200**	*6200 ***14,200**	9250 **19,850**	5700 **12,250**	6000 **12,900**	3850 **8,250**	4350 **9,350**	2850 **6,050**	3800 **8,350**	2500 **5,450**	8.26 **27.09**
–1.5 m **–5.0 ft**	kg **lb**	*6600 ***14,750**	*6600 ***14,750**	*10 700 ***24,300**	10 600 **22,700**	9150 **19,650**	5600 **12,050**	5900 **12,700**	3750 **8,100**	4300 **9,300**	2800 **6,000**	4100 **9,050**	2650 **5,850**	7.78 **25.48**
–3.0 m **–10.0 ft**	kg **lb**	*11 350 ***25,500**	*11 350 ***25,500**	*13 700 ***29,600**	10 800 **23,150**	9200 **19,800**	5650 **12,200**	5950 **12,750**	3800 **8,150**			4850 **10,750**	3150 **7,000**	6.94 **22.67**
–4.5 m **–15.0 ft**	kg **lb**			*10 850 ***23,250**	*10 850 ***23,250**	*7800 ***16,600**	5900 **12,700**					*5900 ***12,900**	4400 **9,850**	5.6 **18.08**

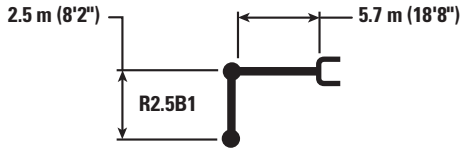
* **ISO 10567**

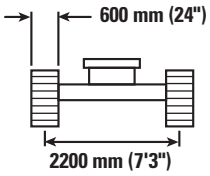
*Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories 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.

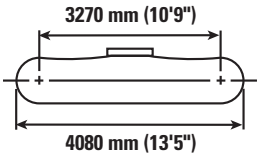
Lift capacity stays with ±5% for all available track shoes.

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

320D Series 2 Heavy Duty Reach Boom Lift Capacities – Standard 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**											*4700 ***10,450**	*4700 ***10,450**	5.59 **17.92**
6.0 m **20.0 ft**	kg **lb**							*5200 ***11,450**	4550 **9,700**			*4300 ***9,500**	3600 **8,050**	6.83 **22.19**
4.5 m **15.0 ft**	kg **lb**					*6600 ***14,200**	*6600 ***14,200**	*5650 ***12,250**	4400 **9,400**	4550	3050	*4200 ***9,250**	3000 **6,600**	7.57 **24.74**
3.0 m **10.0 ft**	kg **lb**					*8250 ***17,750**	6250 **13,450**	6250 **13,450**	4150 **8,900**	4450 **9,500**	2950 **6,300**	4050 **8,900**	2650 **5,850**	7.96 **26.08**
1.5 m **5.0 ft**	kg **lb**					9250 **19,850**	5750 **12,400**	6000 **12,850**	3900 **8,350**	4300 **9,250**	2850 **6,050**	3900 **8,550**	2550 **5,600**	8.05 **26.41**
0.0 m **0.0 ft**	kg **lb**					8950 **19,250**	5500 **11,850**	5800 **12,500**	3700 **8,000**	4250 **9,100**	2750 **5,900**	3950 **8,700**	2600 **5,700**	7.86 **25.77**
–1.5 m **–5.0 ft**	kg **lb**			*11 300 ***25,700**	10 450 **22,300**	8900 **19,150**	5450 **11,750**	5750 **12,350**	3650 **7,900**			4350 **9,600**	2850 **6,200**	7.35 **24.08**
–3.0 m **–10.0 ft**	kg **lb**			*12 800 ***27,700**	10 650 **22,800**	9050 **19,400**	5550 **12,000**	5850 **12,550**	3750 **8,100**			5300 **11,700**	3400 **7,600**	6.46 **21.08**
–4.5 m **–15.0 ft**	kg **lb**					*6900 ***14,400**	5850 **12,650**					*5950 ***13,050**	5100 **11,600**	4.98 **16.03**

* **ISO 10567**

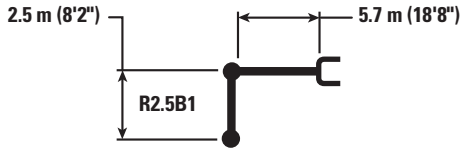
*Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories 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.

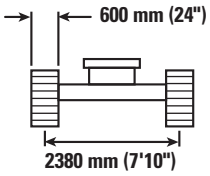
Lift capacity stays with ±5% for all available track shoes.

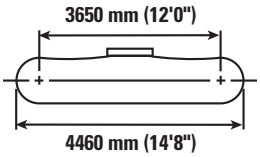
Always refer to the appropriate Operation and Maintenance Manual for specific product information.

320D/D L Series 2 Hydraulic Excavator Specifications

320D L Series 2 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**											*4700 ***10,450**	*4700 ***10,450**	5.59 **17.92**
6.0 m **20.0 ft**	kg **lb**							*5200 ***11,450**	5000 **10,750**			*4300 ***9,500**	4000 **8,950**	6.83 **22.19**
4.5 m **15.0 ft**	kg **lb**					*6600 ***14,200**	*6600 ***14,200**	*5650 ***12,250**	4850 **10,450**	*4750	3350	*4200 ***9,250**	3300 **7,350**	7.57 **24.74**
3.0 m **10.0 ft**	kg **lb**					*8250 ***17,750**	7000 **15,100**	*6350 ***13,800**	4600 **9,900**	5250 **11,200**	3300 **7,050**	*4300 ***9,500**	3000 **6,550**	7.96 **26.08**
1.5 m **5.0 ft**	kg **lb**					*9750 ***20,950**	6500 **13,950**	*7100 **15,350**	4350 **9,350**	5100 **10,950**	3150 **6,800**	4600 **10,100**	2850 **6,250**	8.05 **26.41**
0.0 m **0.0 ft**	kg **lb**					*10 350 ***22,450**	6250 **13,400**	6950 **14,950**	4200 **9,000**	5000 **10,800**	3100 **6,650**	4700 **10,350**	2900 **6,400**	7.86 **25.77**
–1.5 m **–5.0 ft**	kg **lb**			*11 300 ***25,700**	*11 300 ***25,700**	*10 200 ***22,150**	6200 **13,300**	6900 **14,800**	4150 **8,900**			5150 **11,400**	3200 **7,000**	7.35 **24.08**
–3.0 m **–10.0 ft**	kg **lb**			*12 800 ***27,700**	12 300 **26,300**	*9300 ***20,050**	6300 **13,550**	*6850 ***14,650**	4200 **9,100**			*6100 ***13,450**	3850 **8,500**	6.46 **21.08**
–4.5 m **–15.0 ft**	kg **lb**					*6900 ***14,400**	6600 **14,250**					*5950 ***13,050**	5750 **13,000**	4.98 **16.03**

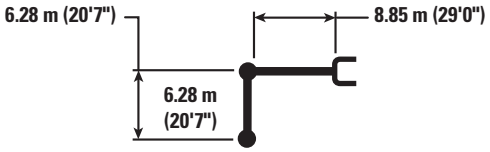
* **ISO 10567**

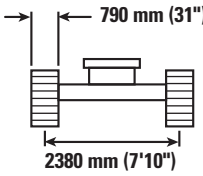
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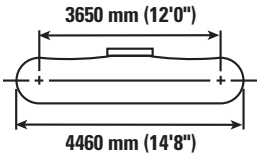
Lift capacity stays with ±5% for all available track shoes.

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

320D L Series 2 Super Long 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		9.0 m/30.0 ft		10.5 m/35.0 ft		12.0 m/40.0 ft		13.5 m/45.0 ft				
																						m ft
12.0 m 40.0 ft	kg lb																			*1300 *2,850	*1300 *2,850	10.35 33.31
10.5 m 35.0 ft	kg lb													*4,700	*4,700					*1200 *2,600	*1200 *2,600	11.66 37.83
9.0 m 30.0 ft	kg lb															*2000 *3,700	2000 *3,700			*1150 *2,500	*1150 *2,500	12.66 41.25
7.5 m 25.0 ft	kg lb													*2150 *4,750	*2150 *4,750	*2150 *4,700	1950 4,200			*1100 *2,450	*1100 *2,450	13.41 43.83
6.0 m 20.0 ft	kg lb													*2300 *5,000	*2300 *5,000	*2250 *4,850	1900 4,100	*1850 *3,250	1500 3,150	*1100 *2,400	*1100 *2,400	13.96 45.71
4.5 m 15.0 ft	kg lb											*2700 *5,850	*2700 *5,850	*2500 *5,400	2350 5,000	*2350 *5,100	1850 3,900	*2250 *4,650	1450 3,050	*1150 *2,450	*1150 *2,450	14.34 46.99
3.0 m 10.0 ft	kg lb			*4700 *11,900	*4700 *11,900	*5800 *12,400	*5800 *12,400	*4300 *9,200	*4300 *9,200	*3500 *7,550	*3500 *7,550	*3000 *6,550	2800 6,050	*2700 *5,850	2200 4,700	*2500 *5,400	1750 3,750	2350 4,950	1400 2,950	*1150 *2,500	*1150 *2,500	14.54 47.71
1.5 m 5.0 ft	kg lb					*6750 *15,750	6600 14,250	*5150 *11,050	4550 9,800	*4000 *8,650	3400 7,250	*3350 *7,250	2600 5,600	*2950 *6,350	2050 4,400	*2650 *5,750	1650 3,550	2250 4,850	1350 2,850	*1200 *2,650	1150 2,500	14.60 47.89
0.0 m 0.0 ft	kg lb			*2050 *4,550	*2050 *4,550	*4700 *10,750	*4700 *10,750	*5800 *12,550	4100 8,850	*4450 *9,650	3100 6,650	*3650 *7,950	2400 5,200	*3150 *6,850	1950 4,150	2650 5,650	1550 3,350	2200 4,750	1300 2,750	*1300 *2,800	1150 2,500	14.49 47.54
–1.5 m –5.0 ft	kg lb	*2100 *4,600	*2100 *4,600	*2750 *6,100	*2750 *6,100	*4650 *10,550	*4650 *10,550	*6250 *13,500	3850 8,250	*4800 *10,400	2900 6,200	3850 8,250	2250 4,850	3100 6,650	1850 3,900	2550 5,500	1500 3,200	2150 4,650	1250 2,650	*1400 *3,000	1150 2,500	14.22 46.65
–3.0 m –10.0 ft	kg lb	*2850 *6,350	*2850 *6,350	*3550 *7,900	*3550 *7,900	*5200 *11,750	*5200 *11,750	*6450 *13,950	3700 8,000	4800 10,350	2750 5,950	3750 8,050	2200 4,650	3050 6,500	1750 3,750	2500 5,400	1450 3,100	2150 *3,700	1250 2,650	*1500 *3,350	1200 2,600	13.79 45.19
–4.5 m –15.0 ft	kg lb	*3700 *8,200	*3700 *8,200	*4450 *9,900	*4450 *9,900	*6100 *13,750	5600 12,000	*6450 *14,000	3700 7,900	4750 10,200	2700 5,850	3700 7,950	2150 4,550	3000 6,450	1750 3,700	2500 5,400	1450 3,100			*1700 *3,800	1300 2,800	13.17 43.10
–6.0 m –20.0 ft	kg lb	*4550 *10,150	*4550 *10,150	*5450 *12,200	*5450 *12,200	*7250 *16,350	5700 12,250	*6300 *13,550	3700 8,000	4750 10,250	2750 5,850	3700 7,950	2150 4,600	3000 6,450	1750 3,750	2550 *5,150	1450 3,150			*2000 *4,500	1450 3,150	12.34 40.27
–7.5 m 25.0 ft	kg lb	*5500 *12,300	*5500 *12,300	*6600 *14,850	*6600 *14,850	*7600 *16,350	5900 12,650	*5850 *12,600	3850 8,250	*4700 *10,100	2800 6,050	3750 8,100	2200 4,700	3100 6,650	1800 3,900					*2550 *5,700	1650 3,700	11.24 36.55
–9.0 m –30.0 ft	kg lb			*8000 *18,050	*8000 *18,050	*6550 *14,000	6150 13,250	*5150 *10,950	4000 8,650	*4150 *8,750	2950 6,350	*3300 *6,950	2300 5,050							*2900 *6,350	2100 4,750	9.79 31.60
–10.5 m –35.0 ft	kg lb							*3900	3900	*3000	*3000									*2800	*2800	7.80

* ISO 10567

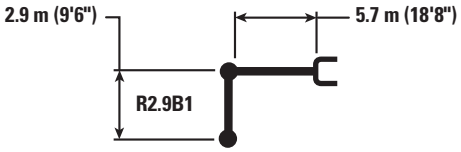
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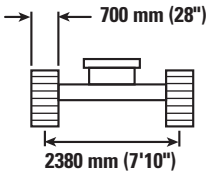
Lift capacity stays with ±5% for all available track shoes.

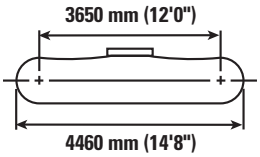
Always refer to the appropriate Operation and Maintenance Manual for specific product information.

320D/D L Series 2 Hydraulic Excavator Specifications

320D L Series 2 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**							*4500	*4500			*3850 ***8,600**	*3850 ***8,600**	6.15 **19.78**
6.0 m **20.0 ft**	kg **lb**							*4800 ***10,550**	*4800 ***10,550**			*3600 ***7,900**	*3600 ***7,900**	7.28 **23.71**
4.5 m **15.0 ft**	kg **lb**							*5300 ***11,500**	5000 **10,750**	*4950 ***10,850**	3500 **7,450**	*3500 ***7,700**	3100 **6,900**	7.98 **26.10**
3.0 m **10.0 ft**	kg **lb**					*7750 ***16,650**	7250 **15,650**	*6050 ***13,150**	4750 **10,200**	*5300 ***11,500**	3350 **7,250**	*3600 ***7,900**	2850 **6,200**	8.35 **27.38**
1.5 m **5.0 ft**	kg **lb**					*9350 ***20,150**	6700 **14,450**	*6900 ***14,900**	4450 **9,600**	5200 **11,200**	3250 **6,950**	*3800 ***8,350**	2700 **5,950**	8.44 **27.70**
0.0 m **0.0 ft**	kg **lb**			*6200 ***14,200**	*6200 ***14,200**	*10 250 ***22,150**	6400 **13,750**	7100 **15,250**	4300 **9,200**	5100 **10,950**	3150 **6,750**	*4200 ***9,300**	2750 **6,050**	8.26 **27.09**
–1.5 m **–5.0 ft**	kg **lb**	*6600 ***14,750**	*6600 ***14,750**	*10 700 ***24,300**	*10 700 ***24,300**	*10 350 ***22,350**	6300 **13,500**	7000 **15,050**	4200 **9,000**	5050 **10,900**	3100 **6,700**	4850 **10,650**	2950 **6,550**	7.78 **25.48**
–3.0 m **–10.0 ft**	kg **lb**	*11 350 ***25,500**	*11 350 ***25,500**	*13 700 ***29,600**	12 350 **26,450**	*9650 ***20,850**	6350 **13,650**	7050 **15,150**	4250 **9,100**			5700 **12,650**	3500 **7,750**	6.94 **22.67**
–4.5 m **–15.0 ft**	kg **lb**			*10 850 ***23,250**	*10 850 ***23,250**	*7800 ***16,600**	6600 **14,200**					*5900 ***12,900**	4850 **10,950**	5.60 **18.08**

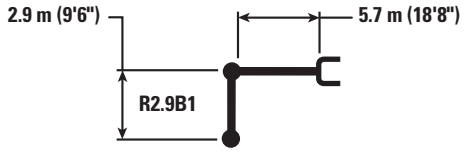
* **ISO 10567**

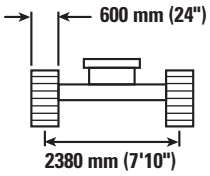
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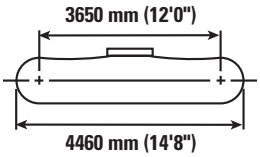
Lift capacity stays with ±5% for all available track shoes.

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

320D L Series 2 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**							*4500	*4500			*3850 ***8,600**	*3850 ***8,600**	6.15 **19.78**
6.0 m **20.0 ft**	kg **lb**							*4800 ***10,550**	*4800 ***10,550**			*3600 ***7,900**	*3600 ***7,900**	7.28 **23.71**
4.5 m **15.0 ft**	kg **lb**							*5300 ***11,500**	4900 **10,600**	*4950 ***10,850**	3400 **7,300**	*3500 ***7,700**	3050 **6,750**	7.98 **26.10**
3.0 m **10.0 ft**	kg **lb**					*7750 ***16,650**	7150 **15,400**	*6050 ***13,150**	4650 **10,000**	5250 **11,300**	3300 **7,100**	*3600 ***7,900**	2800 **6,100**	8.35 **27.38**
1.5 m **5.0 ft**	kg **lb**					*9350 ***20,150**	6600 **14,200**	*6900 ***14,900**	4400 **9,450**	5100 **11,000**	3200 **6,850**	*3800 ***8,350**	2650 **5,850**	8.44 **27.70**
0.0 m **0.0 ft**	kg **lb**			*6200 ***14,200**	*6200 ***14,200**	*10 250 ***22,150**	6250 **13,500**	6950 **14,950**	4200 **9,050**	5000 **10,750**	3100 **6,650**	*4200 ***9,300**	2700 **5,950**	8.26 **27.09**
–1.5 m **–5.0 ft**	kg **lb**	*6600 ***14,750**	*6600 ***14,750**	*10 700 ***24,300**	*10 700 ***24,300**	*10 350 ***22,350**	6200 **13,300**	6850 **14,750**	4100 **8,850**	5000 **10,700**	3050 **6,550**	4750 **10,450**	2900 **6,400**	7.78 **25.48**
–3.0 m **–10.0 ft**	kg **lb**	*11 350 ***25,500**	*11 350 ***25,500**	*13 700 ***29,600**	12 150 **26,000**	*9650 ***20,850**	6250 **13,400**	6900 **14,850**	4150 **8,950**			5600 **12,450**	3450 **7,600**	6.94 **22.67**
–4.5 m **–15.0 ft**	kg **lb**			*10 850 ***23,250**	*10 850 ***23,250**	*7800 ***16,600**	6450 **13,950**					*5900 ***12,900**	4800 **10,750**	5.60 **18.08**

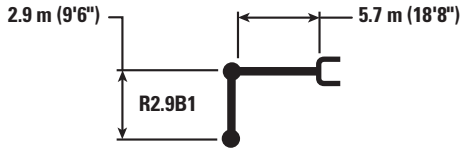
* **ISO 10567**

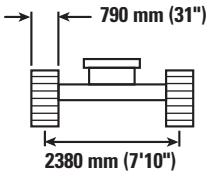
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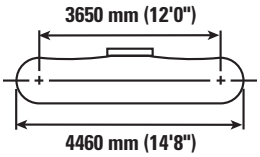
Lift capacity stays with ±5% for all available track shoes.

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

320D L Series 2 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**							*4500	*4500			*3850 ***8,600**	*3850 ***8,600**	6.15 **19.78**
6.0 m **20.0 ft**	kg **lb**							*4800 ***10,550**	*4800 ***10,550**			*3600 ***7,900**	*3600 ***7,900**	7.28 **23.71**
4.5 m **15.0 ft**	kg **lb**							*5300 ***11,500**	5050 **10,850**	*4950 ***10,850**	3500 **7,550**	*3500 ***7,700**	3150 **6,950**	7.98 **26.10**
3.0 m **10.0 ft**	kg **lb**					*7750 ***16,650**	7350 **15,800**	*6050 ***13,150**	4800 **10,300**	*5300 ***11,500**	3400 **7,300**	*3600 ***7,900**	2850 **6,300**	8.35 **27.38**
1.5 m **5.0 ft**	kg **lb**					*9350 ***20,150**	6800 **14,600**	*6900 ***14,900**	4500 **9,750**	5250 **11,350**	3300 **7,050**	*3800 ***8,350**	2750 **6,050**	8.44 **27.70**
0.0 m **0.0 ft**	kg **lb**			*6200 ***14,200**	*6200 ***14,200**	*10 250 ***22,150**	6450 **13,900**	7200 **15,400**	4350 **9,300**	5150 **11,100**	3200 **6,850**	*4200 ***9,300**	2800 **6,100**	8.26 **27.09**
–1.5 m **–5.0 ft**	kg **lb**	*6600 ***14,750**	*6600 ***14,750**	*10 700 ***24,300**	*10 700 ***24,300**	*10 350 ***22,350**	6350 **13,700**	7100 **15,200**	4250 **9,150**	5150 **11,050**	3150 **6,800**	4900 **10,750**	3000 **6,600**	7.78 **25.48**
–3.0 m **–10.0 ft**	kg **lb**	*11 350 ***25,500**	*11 350 ***25,500**	*13 700 ***29,600**	12 500 **26,750**	*9650 ***20,850**	6450 **13,800**	7100 **15,300**	4300 **9,200**			5800 **12,800**	3550 **7,850**	6.94 **22.67**
–4.5 m **–15.0 ft**	kg **lb**			*10 850 ***23,250**	*10 850 ***23,250**	*7800 ***16,600**	6650 **14,350**					*5900 ***12,900**	4900 **11,100**	5.60 **18.08**

* **ISO 10567**

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Lift capacity stays with ±5% for all available track shoes.

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

Standard Equipment

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

ENGINE
- C7.1 Mechanical engine
- Meets U.S. EPA Tier 2, EU Stage II and China Tier 2 emission regulations
- 4000 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)
- Water separator with water level indicator sensor
- Waved fin radiator with space for cleaning
- Two speed travel
- Electric priming pump
- Fuel pressure differential gauge
- Power modes (Eco and Standard)

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
- Straight travel hydraulic circuit
- High performance hydraulic return filters

CAB
- Pressurized cab
- Fully adjustable mechanical suspension seat
- Adjustable armrest
- Seat belt, retractable (51 mm [2 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
- Pillar mounted upper windshield wiper and washer
- Bi-level air conditioner (automatic) with defroster (pressurized function)
- Color LCD display with warning, filter/fluid change, and working hour information
- Control lever joysticks
- Hydraulic activation control lever (lock out for all controls)
- Travel control pedals with removable hand levers
- Radio mounting (DIN size)
- Radio ready
- 12V – 2× maximum 10A power supply
- Two stereo speakers
- Beverage holder
- Coat hook
- Openable roof hatch
- Washable floor mat

UNDERCARRIAGE
- Idler and center section track guiding guard
- Towing eye on base frame
- Grease lubricated track

ELECTRICAL
- Batteries (2 × 750 CCA)
- 115 amp alternator
- 8 kW starter motor

LIGHTS
- Left boom working light
- Right working light mounted in the storage box
- Interior lighting

SAFETY & SECURITY
- Cat one key security system
- Door and compartment locks
- Signaling/warning horn
- Rearview mirrors
- Fire wall between engine and pump compartment
- Emergency engine shutoff switch
- Rear window, emergency exit
- Battery disconnect switch

COUNTERWEIGHT
- 3.7 mt counterweight

TECHNOLOGY
- Product Link™
- Cat data link receptacle

Optional Equipment

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

ENGINE

- Starting kit, cold weather, –32° C (–25.6° F), ether or block heater
- Air prefilter

HYDRAULIC SYSTEM

- Auxiliary hydraulics options
- Hammer circuit, foot pedal operated
- Two way combined circuit, foot pedal operated
- Two way combined circuit, joystick operated
- Two way combined circuit with medium pressure, joystick operated
- Auxiliary hydraulic lines for booms and sticks

UNDERCARRIAGE AND GUARDS

- 600 mm (24") double grouser shoes
- 600 mm (24") triple grouser shoes
- 700 mm (28") triple grouser shoes
- 790 mm (31") triple grouser shoes
- Full length track guiding guard (2 pieces)
- Guard package includes (HD) bottom, (HD) travel motor, swivel guard

LIGHTS

- Cab mounted working lights
- Right mounted boom light for reach boom

TECHNOLOGY

- AccuGrade™ Ready Option (ARO)

FRONT LINKAGE

- 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
  - M2.4CB2 (7'11") stick
- Super long reach (SLR)
  - (SLR) Boom 8.85 m (29'0")
  - (SLR) Stick 6.28 m (20'7")

BUCKETS

- General duty buckets from 0.46 m^3 (0.60 yd^3) to 1.43 m^3 (1.87 yd^3)
- Heavy duty buckets from 1.00 m^3 (1.3 yd^3) to 1.40 m^3 (1.8 yd^3)
- Severe duty buckets from 1.00 m^3 (1.3 yd^3) to 1.20 m^3 (1.6 yd^3)
- Extreme duty buckets from 1.00 m^3 (1.3 yd^3) to 1.20 m^3 (1.6 yd^3)
- Ditch cleaning 0.9 m^3 (1.2 yd^3) for super long reach arrangement
- Ditch cleaning 0.45 m^3 (0.6 yd^3) for super long reach arrangement

Notes

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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