

# 326D2 L

Hydraulic Excavator



## Engine

Engine Model	Cat® C7.1 ACERT™	
Engine Power (ISO 14396)	147 kW	197 hp
Net Power (SAE J1349/ISO 9249)	144 kW	193 hp

## Weights

Minimum Operating Weight	25 765 kg	56,800 lb
Maximum Operating Weight	26 075 kg	57,490 lb

# Reach More, Dig More

*The Cat 326D2 L is designed to help you get more work done in less time with low operating costs. Outstanding reliability, unprecedented operator comfort and ease of service help to maximize your return on investment.*

*326D2 L with a powerful Cat C7.1 ACERT engine meets China Nonroad III emission standards combined with a new highly efficient hydraulic system, which delivers excellent performance with lower fuel consumption.*

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**The 326D2 L incorporates innovations to improve your job site efficiency through low owning and operating costs, excellent performance, high versatility and efficient fuel efficiency.**

# Key Features

World class design combines excellent performance with low fuel consumption and top reliability



## Performance/Efficiency

- High fuel efficiency
- Improves fuel efficiency by managing pump and isochronous engine speed control
- Meets China Nonroad III emission standards
- Electrical Fuel Priming Pump (EPP) replaces hand priming pump

## Ease of Operation

- Ergonomically designed cab with easy to operate controls
- Multiple seat and joystick adjustment options enhance comfort
- Excellent work site visibility from cab enhances productivity
- Optimized low effort joystick controls reduce operator fatigue
- Monitor with larger viewing screen, higher resolution and 42 language options available

## Reliability/Serviceability

- Strong and durable carbody designed to work in the toughest operating conditions
- All electrical wires are colored, numbered and protected with thick braiding for ease of identification and long life
- Modified X-frame structure provides long life and durability
- Heavy duty booms and sticks are standard
- Grease and Lubricated Tracks (GLT) provide longer life

## Reduced Costs

- 500 hour service intervals
- Two different power modes are available, High Horse Power (HHP) and ECO Mode; ECO Mode reduces fuel consumption up to 9% with no loss in digging or lifting forces

## Technology

- Integrated Cat technology solutions increase production and minimize operating costs
- Product Link™ reports key information from the machine to any location



# Engine

Power up with strong reliability, high efficiency

## Reliable Cat C7.1 ACERT Engine

The Cat C7.1 ACERT engine has been designed to meet China Nonroad III emission standards. The C7.1 ACERT engine incorporates proven, robust components and precision manufacturing you can count on for reliable and efficient operation. This proven engine boasts improved reliability as it's less sensitive to low quality fuel and also delivers reduced fuel consumption.

## Automatic Engine Speed Control

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

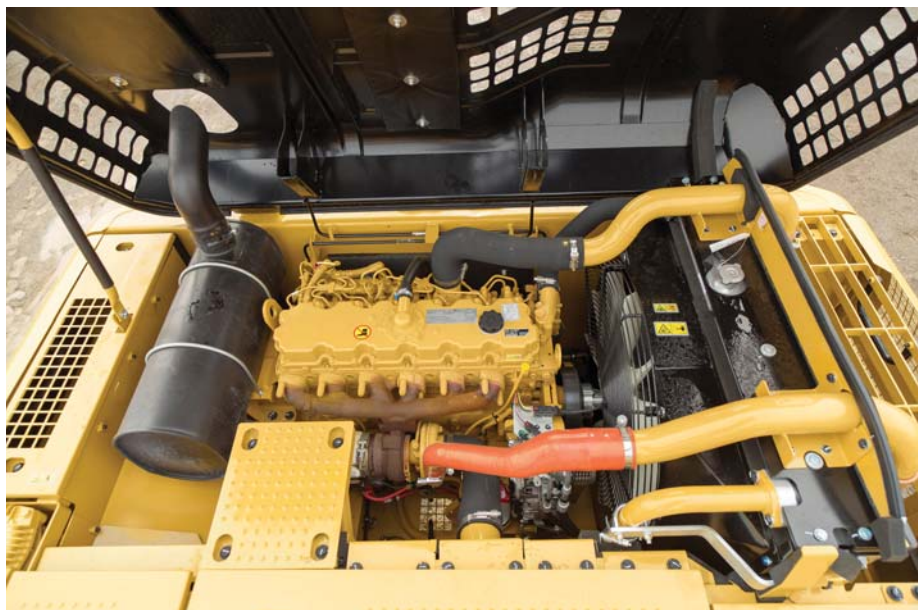
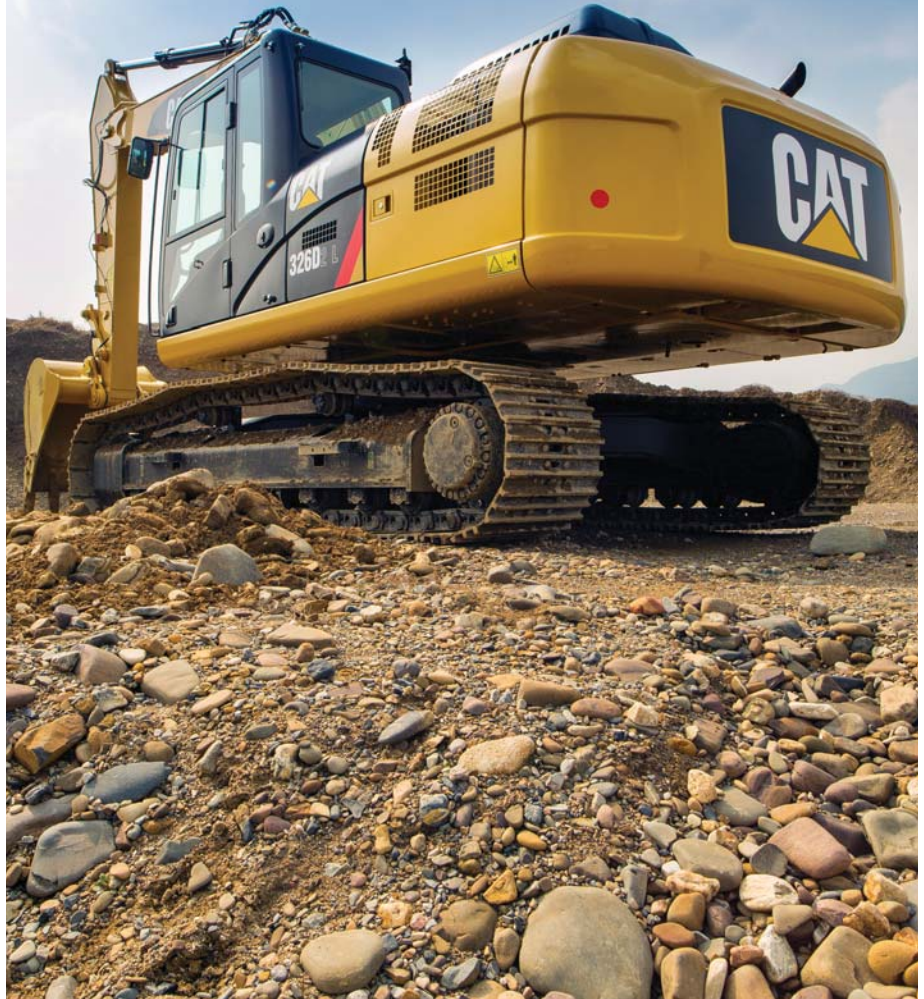
## Air Cleaner

The radially sealed 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 ACERT engine features an improved filtration system to ensure good reliability to fuel injection system components. Intervals have been extended and the number of filters has been increased to three. The primary filter and the secondary twin filters improve filtration efficiency and machine robustness.



# Operator Station

Comfort and convenience to keep you productive all day long



## Monitor

The new monitor on the 326D2 L features a 40 percent larger screen with four times increased resolution display.

The LCD monitor is equipped with a warning lamp and buzzer for critical engine oil pressure, coolant temperature and oil temperature. Programmable in up to 42 languages to meet today's diverse workforce, the monitor clearly displays critical information needed to operate efficiently and effectively.

Filters and fluid change intervals are available in the main menu which also projects the image from the optional rearview camera, further enhancing your job site safety and productivity.

## 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

Operators can adjust the right and left joysticks for individual preferences, helping them 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 326D2 L offers positive filtered ventilation with a pressurized cab. Fresh air or recirculated 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.

# Hydraulics

Precise power and control to move more material



## Hydraulic System

Hydraulic system pressure from the two-hydraulic pump system delivers terrific digging performance and productivity.

## Pilot System

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

## Component Layout

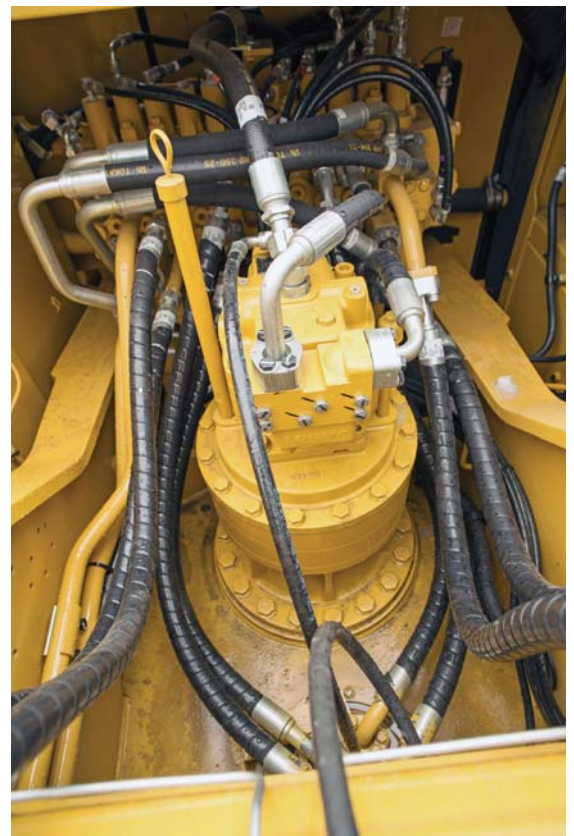
The hydraulic system and component locations have been designed to provide a high level of system efficiency. The main pumps, control valves, and hydraulic tank are located close together to allow for shorter tubes and lines between components, reducing friction loss and pressure drops.

## 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 to increase efficiency and reduce cycle times and pressure loss for higher productivity, lower operating costs, and increased fuel efficiency.







# Undercarriage and Structures

Built to work in your tough, heavy-duty applications

## Robotic Welding

Up to 95% of the structural welds on a Cat Excavator are completed by robots. Robotic welds achieve over three times the penetration of manual welds.

## Carbody Design and Track Roller Frames

X-shaped, box-section carbody provides excellent resistance to torsional bending. Robot-welded track roller frames are press-formed, pentagonal units which deliver exceptional strength and service life.

## Rollers and Idlers

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

## Long Undercarriage

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

## Tracks

The 326D2 L track links are assembled and sealed with grease to decrease internal bushing wear, reduce travel noise and extend service life lowering operating costs.

## Counterweights

The 4.8 mt (5.2 t) standard weight makes a better choice for heavy lifting with long undercarriage. Counterweights are bolted directly to the main frame for extra rigidity.

# Front Linkage

Options to take on your far-reaching or up-close tasks

## Standard Reach Boom and Heavy-Duty Reach Boom Front Linkage

The 5.9 m (19'4") heavy-duty (HD) reach boom is reinforced to be used in the severest applications for maximum digging capability. The 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.

A 2.9 m (9'6") HD stick with CB1 linkage is available to meet all your application requirements.



# Service and Maintenance

Designed to make your maintenance quick and easy



## Ground-Level Service

The design and layout of the 326D2 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 cleaner plugs, a warning is displayed on the monitor screen inside the cab.

## Pump Compartment

A service door on the right side of the upper structure allows ground-level access to the pump, pilot filter, and water separator with primary fuel filter.

## Radiator Compartment

The left rear service door allows easy access to the engine radiator, oil cooler, air-to-air-aftercooler, water separator, second and third fuel filters, and fuel cooler. A reserve tank and drain cock are attached to the radiator for simplified maintenance.

## Greasing Points

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

## Fan Guard

The engine radiator fan is completely enclosed by fine wire mesh, reducing the risk of an accident.

## Anti-Skid Plate

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

## Diagnostics and Monitoring

The 326D2 L is equipped with S-O-S<sup>SM</sup> sampling ports and hydraulic test ports for the hydraulic system, engine oil, and for coolant.

# Work Tools

Do more jobs with one machine



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 326D2 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 – General Duty Buckets (GD)

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

### 2 – 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.

### 3 – Severe Duty Buckets (SD)

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

## 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.

## 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.

## 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

Monitor, manage, and enhance job site operations



Cat Connect makes smart use of technology and services to improve your job site efficiency. Using the data from technology-equipped machines, you'll get more information and insight into your equipment and operations than ever before.

Cat Connect technologies offer improvements in these key areas:



EQUIPMENT  
MANAGEMENT

**Equipment Management** – increase uptime and reduce operating costs.



PRODUCTIVITY

**Productivity** – monitor production and manage job site efficiency.



SAFETY

**Safety** – enhance job site awareness to keep your people and equipment safe.



### **Cat Connect LINK Technologies**

LINK technologies wirelessly connect you to your equipment giving you access to essential information you need to know to run your business. Link data can give you valuable insight into how your machine or fleet is performing so you can make timely, fact-based decisions that can boost job site efficiency and productivity.



### **Product Link/VisionLink®**

Product Link is deeply integrated into your machine, helping to take the guesswork out of equipment management. Easy access to timely information like machine location, hours, fuel usage, idle time and event codes via the online VisionLink user interface can help you effectively manage your fleet and lower operating costs.





# Complete Customer Support

Unmatched support makes the difference

## 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.



# 326D2 L Hydraulic Excavator Specifications

## Engine

Engine Model	Cat C7.1 ACERT	
Type	Direct Injection	
Engine Power (ISO 14396)	147 kW	197 hp
Net Power (SAE J1349/ISO 9249)	144 kW	193 hp
Displacement	7.01 L	428 in <sup>3</sup>
Bore	105 mm	4.13 in
Stroke	135 mm	5.31 in
Rated Speed (engine)	1,800 rpm	
Hi-Idle Speed	1,700 rpm	
Low-Idle Speed	950 rpm	
Maximum Torque (torque peak) @ 1,400 rpm	900 N·m	663.8 lbf-ft
Maximum Altitude (without derate)	3000 m	9,842 ft
Maximum Altitude (with derate)	5000 m	16,404 ft

- All engine horsepower (hp) are metric including front page.
- The C7.1 ACERT engine meets China Nonroad III emission standards.
- Net power advertised is the power available at the flywheel when the engine is equipped with fan, air cleaner, muffler, and alternator.
- Full engine net power up to 3000 m (9,842 ft) altitude (engine derating required above 3000 m [9,842 ft]).

## Weights

Minimum Operating Weight*	25 765 kg	56,800 lb
Maximum Operating Weight**	26 075 kg	57,490 lb

\*Based on: 600 mm (24") TG Track + HD Reach Boom + R2.95 (9'8") HD Stick + 1250 mm (4'1")/1.33 m<sup>3</sup> (1.74 yd<sup>3</sup>) Bucket

\*\*Based on: 600 mm (24") DG Track + HD Reach Boom + 2.95 m (9'8") HD Stick + 1250 mm (4'1")/1.33 m<sup>3</sup> (1.74 yd<sup>3</sup>) Bucket

## Swing Mechanism

Swing Speed	9.6 rpm	
Swing Torque	73.4 kN·m	54,137 lbf-ft

## Drive

Travel Speed		
High Load	5.8 km/h	3.6 mph
Low Load	5.4 km/h	3.4 mph
Drawbar Pull	227 kN	51,032 lbf

## Service Refill Capacities

Fuel Tank Capacity	520 L	137.4 gal
Cooling System	31 L	8.2 gal
Engine Oil	22 L	5.8 gal
Swing Drive	10 L	2.6 gal
Final Drive (each)	6 L	1.6 gal
Hydraulic System (including tank)	285 L	75.3 gal
Hydraulic Tank	257 L	67.9 gal

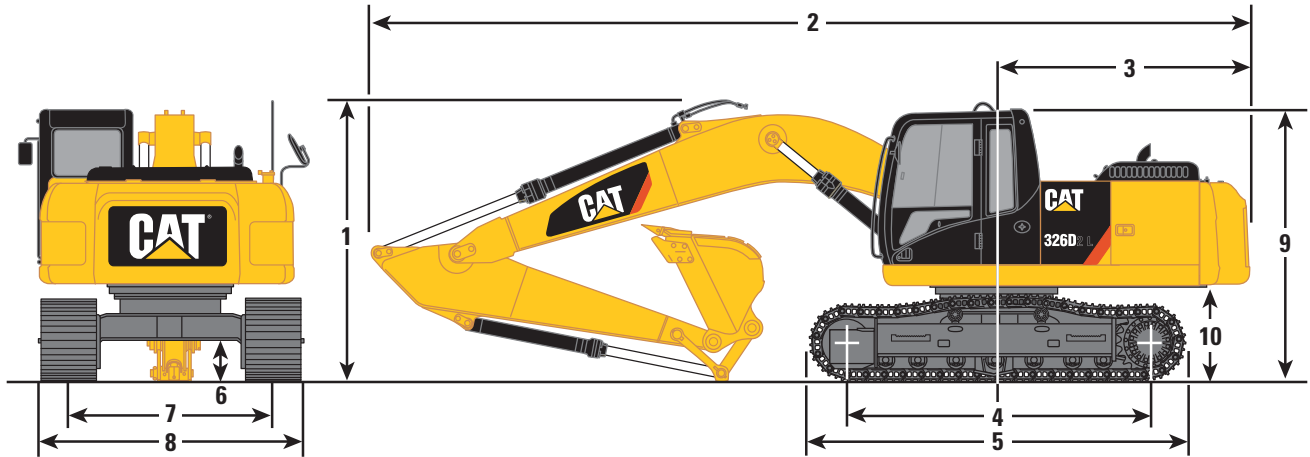
## Hydraulic System

Main System – Maximum Flow at travel H/L (1,800 rpm)	247 × 2 L/min (494 total)	65.2 × 2 gal/min (130.4 total)
Main System – Maximum Flow at travel L/L (1,700 rpm)	233 × 2 L/min (466 total)	61.6 × 2 gal/min (123.2 total)
Main System – Maximum Flow (each) at operation (1,700 rpm)	233 × 2 L/min (466 total)	61.6 × 2 gal/min (123.2 total)
Swing System – Maximum Flow	233 L/min	61.6 gal/min
Maximum Pressure – Equipment	35 MPa	5,076.4 psi
Maximum Pressure – Travel	35 MPa	5,076.4 psi
Maximum Pressure – Swing	24.5 MPa	3,555.9 psi
Pilot System – Maximum Flow	23.4 L/min	6.2 gal/min
Pilot System – Maximum Pressure	3920 kPa	568.6 psi
Boom Cylinder – Bore	135 mm	5.3 in
Boom Cylinder – Stroke	1305 mm	51.4 in
Stick Cylinder – Bore	140 mm	5.5 in
Stick Cylinder – Stroke	1660 mm	65.4 in
CB1 Bucket Cylinder – Bore	130 mm	5.1 in
CB1 Bucket Cylinder – Stroke	1156 mm	45.5 in
DB Bucket Cylinder – Bore	150 mm	5.9 in
DB Bucket Cylinder – Stroke	1151 mm	45.3 in

# 326D2 L Hydraulic Excavator Specifications

## Dimensions

All dimensions are approximate.



	HD Reach Boom 5.9 m (19'4")
	HD Stick R2.95 CB1 (9'8")
1 Shipping Height*	3170 mm (10'5")
2 Shipping Length	10 050 mm (33'0")
3 Tail Swing Radius	3000 mm (9'10")
4 Length to Center of Rollers	
Long Undercarriage	3830 mm (12'7")
5 Track Length	
Long Undercarriage	4630 mm (15'2")
6 Ground Clearance**	440 mm (17")
7 Track Gauge	
Long Undercarriage	2590 mm (8'6")
8 Transport Width	
Long Undercarriage	
600 mm (24") Shoes	3190 mm (10'6")
9 Cab Height*	2980 mm (9'9")
10 Counterweight Clearance**	1060 mm (3'6")
<b>Bucket Type</b>	SD
<b>Bucket Capacity</b>	1.33 m <sup>3</sup> (1.74 yd <sup>3</sup> )
<b>Bucket Tip Radius</b>	1690 mm (5'7")

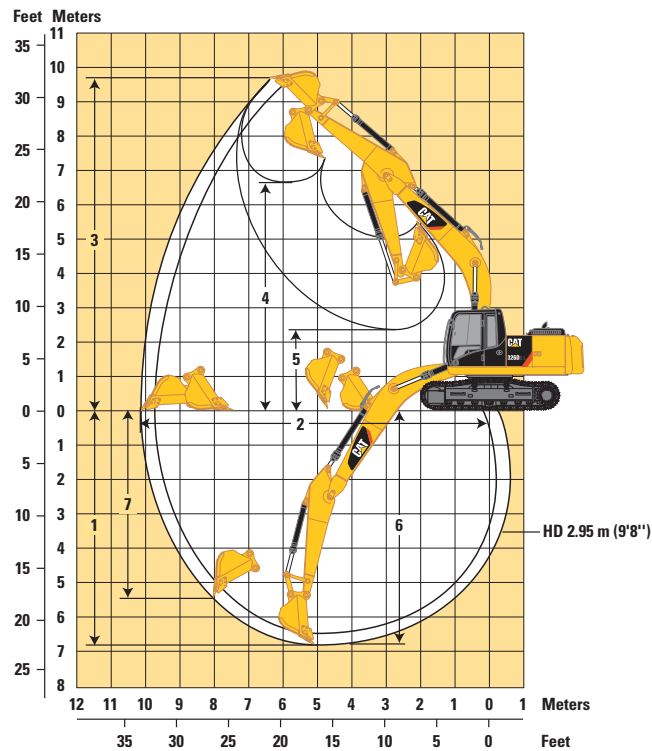
\*Including shoe lug height.

\*\*Without shoe lug height.

# 326D2 L Hydraulic Excavator Specifications

## Working Ranges

All dimensions are approximate.



	<b>HD Reach Boom</b> <b>5.9 m (19'4")</b>
<b>Stick Type</b>	<b>HD 2.95 m (9'8")</b>
<b>Bucket</b>	<b>1.33 m<sup>3</sup> (1.74 yd<sup>3</sup>)</b>
<b>1</b> Maximum Digging Depth	6850 mm (22'6")
<b>2</b> Maximum Reach at Ground Level	10 150 mm (33'4")
<b>3</b> Maximum Cutting Height	9700 mm (31'10")
<b>4</b> Maximum Loading Height	6590 mm (21'7")
<b>5</b> Minimum Loading Height	2360 mm (7'9")
<b>6</b> Maximum Depth Cut for 2440 mm (8'1") Level Bottom	6680 mm (21'11")
<b>7</b> Maximum Vertical Wall Digging Depth	5410 mm (17'9")
<b>Bucket Type</b>	SD
<b>Bucket Capacity</b>	1.33 m <sup>3</sup> (1.74 yd <sup>3</sup> )
<b>Bucket Tip Radius</b>	1690 mm (5'7")

# 326D2 L Hydraulic Excavator Specifications

## Operating Weight and Ground Pressure

<b>Boom</b>	<b>Reach (HD)</b>
<b>Stick</b>	<b>R2.95 HD</b>
<b>Bucket Linkage</b>	<b>CB</b>
<b>Bucket Capacity</b>	<b>1.33 m<sup>3</sup> (1.74 yd<sup>3</sup>)</b>
<b>Bucket Width</b>	<b>1250 mm (49 in)</b>
Total Weight (600 TG)	25 043 kg (55,095 lb)
Total Weight (790 TG-LC)	26 330 kg (57,926 lb)
<b>Ground Pressure</b>	
Long Undercarriage	
600 mm (24") TG (LC)	51.1 kPa (7.4 psi)
600 mm (24") DG (LC)	51.7 kPa (7.5 psi)

The ground pressure information is based on operating weights shown below.

ISO 6016 configuration: machine (upper and lower structure), front structure, 100% full fuel tank, fluids at normal level (i.e.: oils/water/lubricants), bucket (currently = WW major bucket) without fill materials, 75 kg (165 lb) operator.

Notes: No optional attachments are included, the bucket is empty.

# 326D2 L Hydraulic Excavator Specifications

## Major Component Weights

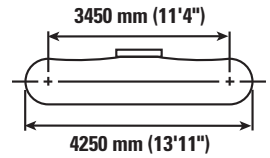
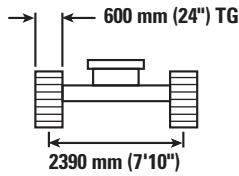
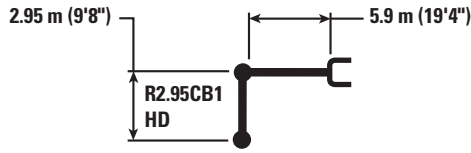
<b>Base Machine – Includes: Boom Cylinders, Pins, Fluids</b>	6950 kg (15,320 lb)
Full Fuel Tank	430 kg (950 lb)
Counterweight (for use with Reach)	4750 kg (10,470 lb)
Boom (includes lines, pins, and stick cylinder)	
Reach Boom HD – 5.9 m (19'4")	2190 kg (4,830 lb)
Stick (includes lines, stick pins, bucket pins, bucket cylinder, and bucket linkage)	
R2.95CB1 HD (9'8")	1310 kg (2,890 lb)
Undercarriage	
Long Undercarriage	5740 kg (12,650 lb)
Tracks (Long Undercarriage)	
600 mm (24") TG shoe	2920 kg (6,440 lb)
600 mm (24") DG shoe	3230 kg (7,120 lb)












## Bucket and Stick Forces

	<b>HD Reach Boom 5.9 m (19'4")</b>
<b>Stick Type</b>	<b>R2.95 HD (9'8")</b>
<b>Bucket</b>	<b>1.33 m<sup>3</sup> (1.74 yd<sup>3</sup>)</b>
<b>Cutting Edge</b>	
Bucket Digging Force (ISO)	166 kN (37,231 lbf)
Stick Digging Force (ISO)	120 kN (27,066 lbf)
<b>Bucket Tip</b>	
Bucket Digging Force (SAE)	143 kN (32,185 lbf)
Stick Digging Force (SAE)	116 kN (26,099 lbf)

# 326D2 L Hydraulic Excavator Specifications

## 326D2 HD Reach Boom Lift Capacities – Counterweight: 4.8 mt (5.2 t) – Without Bucket



		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					*6450 *13,350	6300 13,350			*5350 *11,900	*5350 *11,900	6.43 21.1
6.0 m 20.0 ft	kg lb					*6500 *14,200	6250 13,450	*5150	4300	*5100 *11,250	4300 9,550	7.51 24.6
4.5 m 15.0 ft	kg lb			*8500 *18,300	*8500 *18,300	*7250 *15,700	6050 12,950	6050 12,950	4250 9,100	*5100 *11,200	3650 8,100	8.18 26.8
3.0 m 10.0 ft	kg lb			*10 850 *23,350	8700 18,750	8300 17,850	5700 12,300	5900 12,650	4100 8,750	4800 10,550	3350 7,350	8.54 28.0
1.5 m 5.0 ft	kg lb			12 400 26,700	8050 17,350	7950 17,100	5400 11,600	5700 12,250	3950 8,450	4650 10,200	3200 7,050	8.61 28.2
0 m 0 ft	kg lb			12 050 25,850	7750 16,600	7700 16,600	5200 11,150	5600 12,000	3800 8,200	4750 10,400	3250 7,150	8.42 27.6
-1.5 m -5.0 ft	kg lb	*10 400 *23,650	*10 400 *23,650	11 950 25,600	7650 16,400	7600 16,350	5100 10,950	5550 11,900	3750 8,100	5100 11,300	3500 7,700	7.94 26.0
-3.0 m -10.0 ft	kg lb	*17 050 *38,650	15 050 32,250	12 050 25,800	7700 16,600	7650 16,450	5100 11,000			6000 13,350	4100 9,050	7.11 23.3
-4.5 m -15.0 ft	kg lb	*14 200 *30,400	*14 200 *30,400	*10 400 *22,250	7950 17,150					*7750 *17,050	5600 12,600	5.78 19.0



ISO 10567



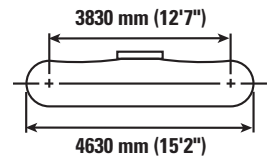
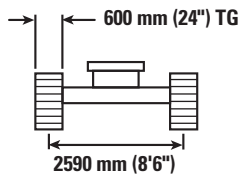
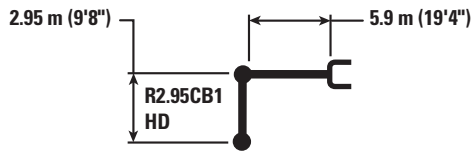
\*Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories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

# 326D2 L Hydraulic Excavator Specifications

## 326D2 L HD Reach Boom Lift Capacities – Counterweight: 4.8 mt (5.2 t) – Without Bucket



		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					*6500 *13,500	*6500 *13,500			*5450 *12,000	*5450 *12,000	6.43 21.1
6.0 m 20.0 ft	kg lb					*6550 *14,350	*6550 *14,350	*5200 4850	4850	*5150 *11,350	4850 10,750	7.51 24.6
4.5 m 15.0 ft	kg lb			*8550 *18,450	*8550 *18,450	*7300 *15,850	6750 14,550	*6700 *14,650	4750 10,250	*5150 *11,300	4150 9,150	8.18 26.8
3.0 m 10.0 ft	kg lb			*10 950 *23,500	9850 21,200	*8400 *18,200	6450 13,850	6950 14,900	4600 9,950	*5350 *11,700	3800 8,350	8.54 28.0
1.5 m 5.0 ft	kg lb			*13 000 *28,050	9200 19,800	*9450 20,350	6100 13,150	6750 14,550	4450 9,600	5500 12,100	3650 8,050	8.61 28.2
0 m 0 ft	kg lb			*14 000 *30,250	8850 19,050	9250 19,850	5900 12,700	6650 14,250	4350 9,350	5600 12,350	3700 8,150	8.42 27.6
-1.5 m -5.0 ft	kg lb	*10 450 *23,750	*10 450 *23,750	*13 900 *30,100	8750 18,850	9100 19,600	5800 12,500	6600 14,150	4300 9,250	6100 13,400	4000 8,800	7.94 26.0
-3.0 m -10.0 ft	kg lb	*17 100 *38,850	*17 100 37,750	*12 900 *27,850	8850 19,000	9150 19,700	5850 12,550			7150 15,900	4650 10,350	7.11 23.3
-4.5 m -15.0 ft	kg lb	*14 250 *30,600	*14 250 *30,600	*10 500 *22,400	9100 19,550					*7850 *17,200	6350 14,300	5.78 19.0



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  $\pm 5\%$  for all available track shoes.

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

# 326D2 L Hydraulic Excavator Specifications

## Work Tool Offering Guide\*

Boom Type	HD Reach Boom 5.9 m (19'4")
Stick Size	HD R2.95 (9'8")
Hydraulic Hammer	H120Es, B20 H130Es, B30 H140Es
Multi-Processor	MP318 CC Jaw MP318 D Jaw MP318 P Jaw MP318 U Jaw MP318 S Jaw MP324 CC Jaw ** MP324 D Jaw ** MP324 P Jaw **^ MP324 U Jaw **^ MP324 S Jaw ^^ MP324 TS Jaw **^
Crusher	P315 P325 **
Pulverizer	P215 P225 **
Demolition and Sorting Grapple	G320B ** G325B ***#
Mobile Scrap and Demolition Shear	S320B S325B ***# S340B ##
Compactor (Vibratory Plate)	CVP110
Orange Peel Grapple	
Thumbs	
Rakes	
Center-Lock Pin Grabber Coupler	
Dedicated Quick Coupler	

These work tools are available for the 326D2 L.  
Consult your Cat dealer for proper match.

\* Offerings not available in all areas. Matches are dependent on excavator configurations. Consult your Cat dealer to determine what is offered in your area and 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.



# 326D2 L Hydraulic Excavator Specifications

## Bucket Specifications and Compatibility – China

	Linkage	Width		Capacity		Weight		Fill	326D2 L		
		mm	in	m <sup>3</sup>	yd <sup>3</sup>	kg	lb		%	HD Reach Boom	
										5.9 m (19'4")	
		2.95 HD (9'8")		600 mm (24")							
<b>Without Quick Coupler</b>											
General Duty (GD)	CB	1400	55	1.54	2.02	1116	2,459	100	⊖		
Heavy Duty (HD)	CB	1250	49	1.33	1.74	1120	2,469	100	⊙		
	CB	1300	51	1.36	1.78	1146	2,526	100	⊙		
	CB	1350	53	1.45	1.90	1180	2,601	100	⊖		
	CB	1400	55	1.54	2.02	1221	2,692	100	⊖		
	CB	1450	57	1.57	2.05	1248	2,751	100	⊖		
	CB	1500	59	1.65	2.16	1275	2,811	100	⊖		
	DB	1400	55	1.64	2.14	1448	3,190	100			
Severe Duty (SD)	CB	1250	50	1.33	1.74	1235	2,723	90	●		
	CB	1300	51	1.36	1.78	1263	2,784	90	⊙		
	CB	1350	54	1.45	1.90	1286	2,834	90	⊙		
	CB	1400	56	1.54	2.02	1355	2,985	90	⊖		
	DB	1250	50	1.40	1.84	1521	3,353	90			
	DB	1400	56	1.64	2.14	1643	3,621	90			
Extreme Duty (XD)	DB	1250	50	1.40	1.84	1709	3,768	90			
	DB	1400	56	1.64	2.14	1804	3,977	90			
								Maximum load pin on (payload + bucket)			
								kg	3652		
								lb	8,049		
<b>With Pin Grabber Coupler</b>											
General Duty (GD)	CB	1400	55	1.54	2.02	1116	2,459	100	○		
Heavy Duty (HD)	CB	1250	49	1.33	1.74	1072	2,363	100	⊖		
	CB	1300	51	1.36	1.78	1146	2,526	100	⊖		
	CB	1350	53	1.45	1.90	1132	2,496	100	○		
	CB	1400	55	1.54	2.02	1163	2,564	100	○		
	CB	1450	57	1.57	2.05	1248	2,751	100	⊖		
	CB	1500	59	1.65	2.16	1275	2,811	100	⊖		
	DB	1400	55	1.64	2.14	1448	3,190	100			
Severe Duty (SD)	CB	1250	50	1.33	1.74	1235	2,723	90	●		
	CB	1300	51	1.36	1.78	1263	2,784	90	⊙		
	CB	1350	54	1.45	1.90	1286	2,834	90	⊖		
	CB	1400	56	1.54	2.02	1355	2,985	90	○		
	DB	1250	50	1.40	1.84	1521	3,353	90			
Extreme Duty (XD)	DB	1250	50	1.40	1.84	1709	3,768	90			
	DB	1400	56	1.64	2.14	1804	3,977	90			
								Maximum load with coupler (payload + bucket)			
								kg	3147		
								lb	6,937		

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/m<sup>3</sup> (3,500 lb/yd<sup>3</sup>)
- ⊙ 1800 kg/m<sup>3</sup> (3,000 lb/yd<sup>3</sup>)
- ⊖ 1500 kg/m<sup>3</sup> (2,500 lb/yd<sup>3</sup>)
- 1200 kg/m<sup>3</sup> (2,000 lb/yd<sup>3</sup>)

Caterpillar recommends using appropriate work tools to maximize the value customers receive from our products. Use of work tools, including buckets, which are outside of Caterpillar's recommendations or specifications for weight, dimensions, flows, pressures, etc. may result in less-than-optimal performance, including but not limited to reductions in production, stability, reliability, and component durability. Improper use of a work tool resulting in sweeping, prying, twisting and/or catching of heavy loads will reduce the life of the boom and stick.

# 326D2 L Standard Equipment

## Standard Equipment

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

### ENGINE

- C7.1 ACERT electronic control engine
- Meets China Nonroad III emission standards
- 3000 m (9,842 ft) altitude capability without derating (Maximum 5000 m (16,404 ft) with derate from 3000 m [9,842 ft])
- Radial seal air filters (primary and secondary filter)
- Glow plugs
- Automatic engine speed control with one touch low idle
- High ambient cooling package 52° C (126° F)
- Water separator with water level indicator sensor
- Radiator and oil cooler side by side with enough space for cleaning
- Two speed travel
- Electric (Priming) pump
- Power modes (Eco and High Power)
- Variable fan with viscous clutch
- New fuel filtration system (primary ×1, twin main ×2)
- B20 biodiesel fuel capability
- Air-to-air-aftercooler

### HYDRAULIC SYSTEM

- Regeneration circuits for boom and stick
- Auxiliary hydraulic valve
- Reverse swing damping valve
- Automatic swing parking brake
- Boom drift reducing valve
- Stick drift reducing valve
- High performance hydraulic return filters
- Hydraulic main pump
- Universal seal used in cylinders
- Capability of installing additional valves, pumps, circuits
- Cat bio-oil capability

### CAB

- Pressurized cab
- Mechanical suspension seat
- Positive filtered ventilation
- Adjustable armrest
- Seat belt, retractable (51 mm [2 in])
- 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
- Two stereo speakers
- Radio mounting
- Beverage holder
- Coat hook
- Interior lighting
- Ashtray and lighter
- Rear window, emergency exit
- Capability to install two additional pedals
- Bolt-on FOGS (Falling Objects Guarding System) capability
- Sun screen

### UNDERCARRIAGE AND GUARDS

- Idler and segmented track guiding guards (two pieces)
- Towing eyes on base frame
- Grease lubricated track GLT2, resin

### ELECTRICAL

- Batteries (2 – 900 CCA)

### LIGHTS

- Working light, storage box mounted
- Interior lighting
- Cab mounted working lights

### SAFETY AND SECURITY

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

### COUNTERWEIGHT

- 4750 kg (10,470 lb) counterweight

## Optional Equipment

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

### ENGINE

- Starting kit, cold weather, <-32° C (-26° F)

### HYDRAULIC SYSTEM

- Hammer circuit, foot pedal operated

### UNDERCARRIAGE AND GUARDS

- Long undercarriage
  - 600 mm (24") double grouser shoes
  - 600 mm (24") triple grouser shoes
  - (HD) bottom
  - (HD) travel motor
  - Swivel guard

### FRONT LINKAGE

- Heavy Duty 5.9 m (19'4") reach boom with left side light
  - R2.95CB1 (9'8") HD stick
  - R2.95CB1 (9'8") stick with bars
- SLR is available in China
  - Bucket linkage without lifting eye is available in China

### TECHNOLOGY

- Product Link

For more complete information on Cat products, dealer services, and industry solutions, visit us on the web at [www.cat.com](http://www.cat.com)

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(GCN1)

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