326D2 L

Hydraulic Excavator

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

Weights		
Minimum Operating Weight	25 745 kg	56,760 lb
Maximum Operating Weight	26 375 kg	58,150 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.

Contents

The 326D2 L incorporates innovations to improve your job site efficiency through low owning and operating costs, excellent performance, and high versatility. Fuel consumption is reduced by 9% compared to 324D ROPS with meeting Tier 3 regulations on High Power mode.

Key Features

A world class design combining excellent performance with low fuel consumption and top reliability.

Performance/Efficiency

- Fuel consumption is reduced by 9% compared to 324D ROPS with meeting Tier 3 regulations
- Isochronous engine speed control
- Electrical Fuel Lifting Pump (ELP) replaces hand priming pump
- Pressure sensor is added to measure Negative Flow Control pressure to improve the hydraulic efficiency

Ease of Operation

- Ergonomically designed cab with easy to operate controls
- Multiple seat and joystick adjustment options enhance comfort
- Excellent work site visibility from the cab enhances productivity
- Optimized low effort joystick controls reduce operator fatigue
- New monitor with 40% larger viewing screen, 4× higher resolution and 42 language options available

Reliability/Serviceability

- The strong and durable carbody has been designed to work in the toughest operating conditions
- All electrical wires are colored, numbered and protected with thick navy 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) provides longer service life
- New fuel injection system for improved reliability

Reduced Costs

- Service intervals 500 hours
- There are two different power modes; High Horse Power (HHP) and ECO Mode. 9% fuel consumption reduction vs. 324D is with HHP mode.

Technology

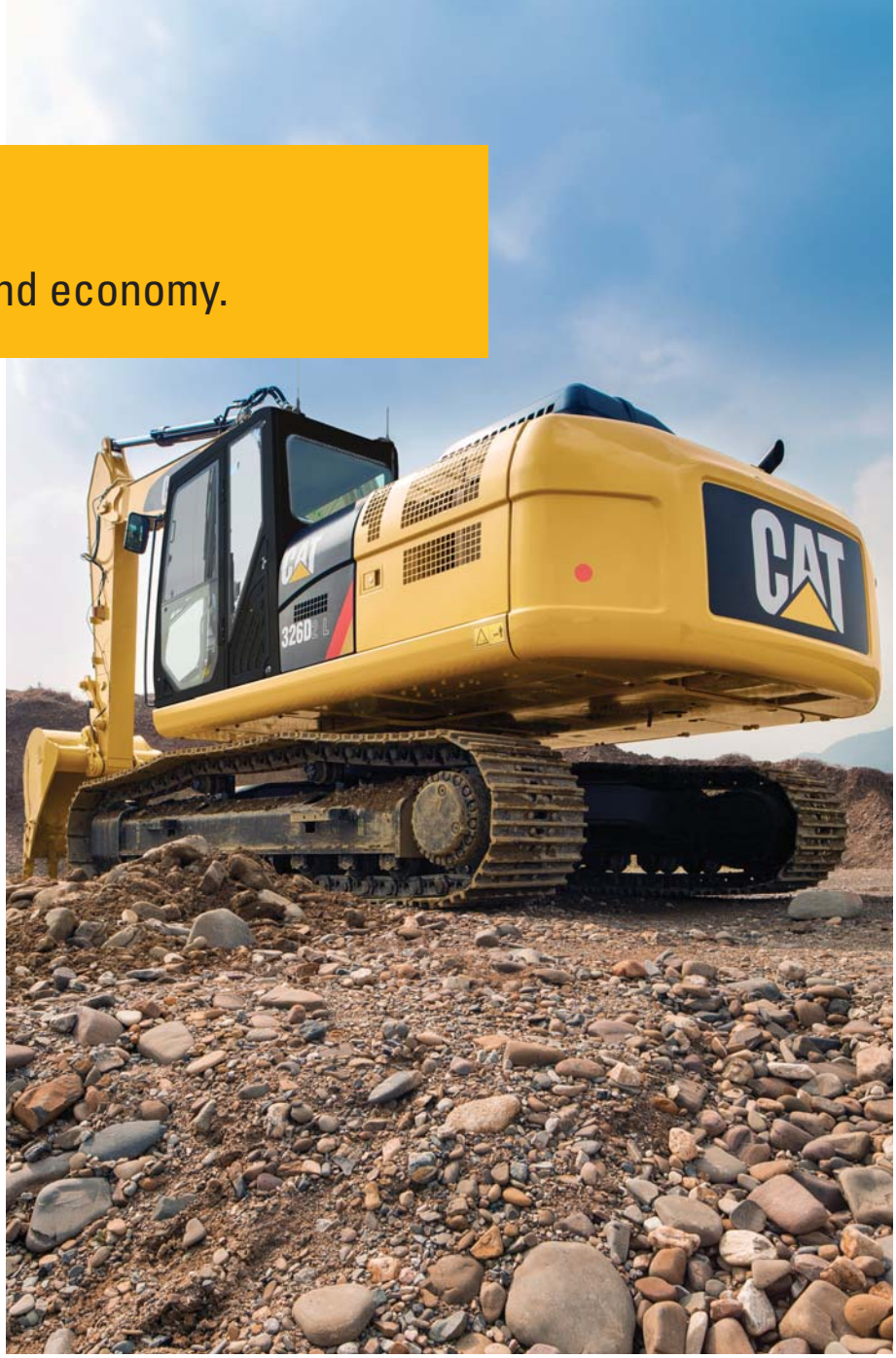
- Integrated Cat technology solutions increase production and minimize operating costs
- Product Link™ reports key information from the machine to any location

New Appearance

- New trade dress gives machine a stylish new look

Engine

Built for power, reliability and economy.



Reliable Cat C7.1 Engine

The Cat C7.1 engine has been designed to meet Tier 3 emission regulations. The C7.1 engine incorporates 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 reduced fuel consumption.

9% fuel consumption reduction vs. 324D is with HHP mode.

Automatic Engine Speed Control

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

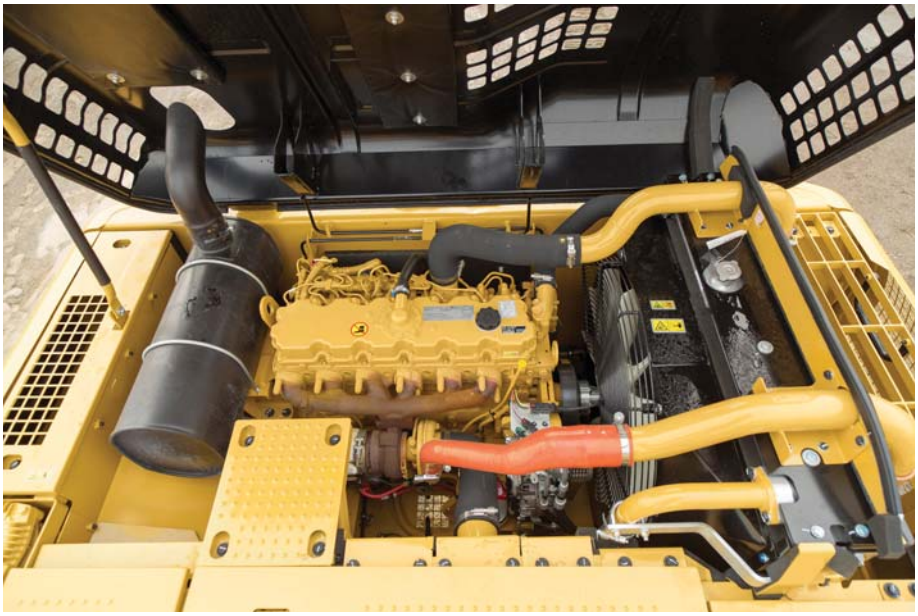
Air Cleaner

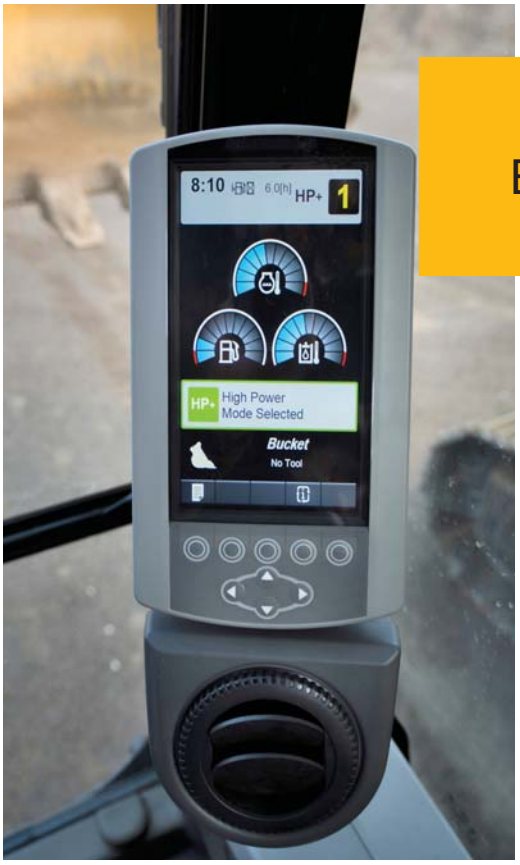
The radially sealed air filter features a double-layered filter core for more efficient filtration and is located in a compartment behind the cab.

A warning is displayed on the monitor when dust accumulates above a preset level.

Filtration System

The C7.1 engine features an improved filtration system to ensure reliability to the fuel injection system components. The primary filter and the secondary twin filters improve filtration efficiency and machine robustness.





Operator Station

Ergonomically designed to keep you comfortable and productive all day long.

ROPS Certified Operator Station

The 326D2 L features a ROPS (Roll Over Protective Structure) compliant cab structure that meets ISO 12117-2:2008 as standard.

This design also allows for a Falling Object Guard System (FOGS) or front windshield guard to be bolted directly to the cab, either at the factory or in the field, enabling the machine to meet all job site requirements.

- More glass versus previous non-ROPS cab to improve visibility
- More interior head room space
- Improved cab pressurization
- ROPS cab air filter accessible at ground level

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

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

Hydraulic System

Hydraulic system pressure from the two-hydraulic pump system delivers the best in class digging performance and productivity.

Pilot System

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

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.

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.

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

Undercarriage and Structures

Strong and durable, all you expect from Cat excavators.

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.

Frame

The upper frame includes reinforced mountings to support the ROPS cab, the lower frame is reinforced to increase component durability.

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.

Counterweight

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

Front Linkage

Designed for flexibility, high productivity, and efficiency in a variety of applications.

Standard Reach Boom Front Linkage

The 5.9 m (19'4") 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.

The Standard reach boom has two stick options available to meet all your application requirements.

- 2.9 m (9'6") stick with CB1 bucket linkage
- 2.5 m (8'2") stick with CB1 bucket linkage

Service and Maintenance

Simplified service and maintenance features save you time and money.

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 left side service compartment features the battery disconnect switch, electrical circuit breakers, air conditioning condenser core. 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, hydraulic oil cooler, air-to-air-aftercooler, 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 structure.

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 with countersunk bolts reduce trip hazards which covers top of storage box and upper structure to prevent accidents during maintenance.

Diagnostics and Monitoring

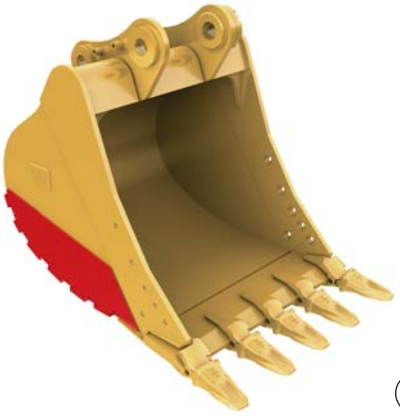
The 326D2 L is equipped with S·O·S℠ sampling ports for the hydraulic system, engine oil, and for coolant and hydraulic pressure test ports for the hydraulic system.

Work Tools

Dig, hammer, rip, and cut with confidence.

1

2



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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 (GD)

For digging in low impact, lower abrasion materials such as dirt, loam, and mixed compositions of dirt and fine gravel. Example: Digging conditions in which General Duty tip life exceeds 800 hours. Typically larger General Duty Buckets are the most popular sizes, and are used by site developers to mass excavate in low abrasion applications.

2 – Heavy Duty (HD)

The most popular excavator bucket style. A good “center line” choice, or starting point, when application conditions are not well known.

For a wide range of impact and abrasion conditions including mixed dirt, clay and rock. Example: Digging conditions where Penetration Plus tip life ranges from 400 to 800 hours.

3 – Severe Duty (SD)

For higher abrasion conditions such as well shot granite and caliche. Example: Digging conditions where tip life ranges from 200 to 400 hours with Penetration Plus tips.

Couplers

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

Pin Grabber Coupler

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

E Series Hammers

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

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

Pin On Rippers, Rip and Load Package

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

Grapples

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

Multi-Processors

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

Shear

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

Pulverizer

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

Vibratory Plate Compactor

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

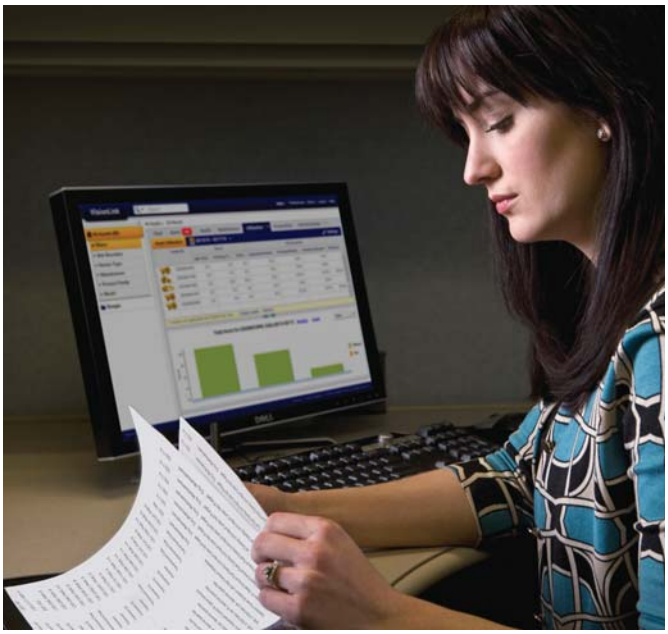
Crusher

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

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

Integrated Technologies

Monitor, manage, and enhance your 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 offers 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.

LINK Technologies

LINK technologies like Product Link wirelessly connect you to your equipment, giving you valuable insight into how your machine or fleet is performing. Track location, hours, fuel usage, idle time, and event codes through the online VisionLink® interface so you can make timely, fact-based decisions that can boost job site efficiency and productivity, and lower operating costs.

DETECT Technologies

DETECT technologies like the rear-vision camera enhance operator awareness by expanding your view of the environment around working equipment. Work with greater confidence and at peak potential while keeping people and assets safe.

Complete Customer Support

Cat dealer services help you operate longer with lower costs.

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	
Type	Direct Injection	
Engine Gross Power (ISO 14396)	147 kW	197 hp
Engine Net Power (SAE J1349/ISO 9249)	144 kW	193 hp
Displacement	7.01 L	428 in^3
Bore	105 mm	4.13 in
Stroke	135 mm	5.31 in
Rated Speed (engine)	1,900 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 engine meets Tier 3 emission regulations.
- 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*	25 745 kg	56,760 lb
Maximum Operating Weight**	26 375 kg	58,150 lb

*Based on: 600 mm (24") TG Track + Reach Boom + R2.5CB1 (8'2") Stick + 1,250 mm (4'1")/1.33 m^3 (1.75 yd^3) Bucket

**Based on: 790 mm (31") TG LC Track + Reach Boom + R2.95CB1 (9'8") Stick + 1250 mm (4'1")/1.33 m^3 (1.75 yd^3) 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 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

Exterior Sound

The labeled spectator sound power level measured according to the test procedures and conditions specified in 2005/88/EC is 103 dB(A).

Sound Performance

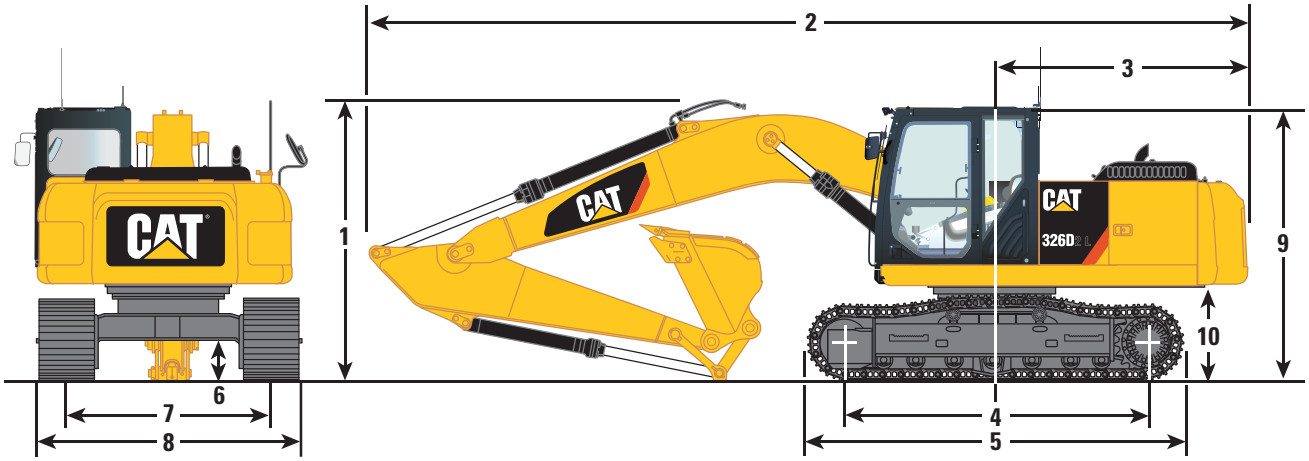
- When properly installed and maintained, the cab offered by Caterpillar, when tested with doors and windows closed according to ANSI/SAE J1166OCT98, meets OSHA and MSHA requirements for operator sound exposure limits in effect at time of manufacture.
- Hearing protection may be needed when operating with an open operator station and cab (when not properly maintained or doors/windows open) for extended periods or in a noisy environment.

Standards

Brakes	SAE J1026/APR90
Cab/FOGS	SAE J1356 FEB88 ISO 10262
Cab/ROPS	ISO 12117-2:2008

Dimensions

All dimensions are approximate.



	Reach Boom 5.9 m (19'4")	
	R2.95CB1 (9'8")	**R2.5CB1 (8'2")**
1 Shipping Height*	3170 mm (10'5")	3370 mm (11'1")
2 Shipping Length	10 050 mm (33'0")	10 090 mm (33'1")
3 Tail Swing Radius	3000 mm (9'10")	3000 mm (9'10")
4 Length to Center of Rollers		
Long Undercarriage	3830 mm (12'7")	3830 mm (12'7")
5 Track Length		
Long Undercarriage	4630 mm (15'2")	4630 mm (15'2")
6 Ground Clearance**	440 mm (17")	440 mm (17")
7 Track Gauge		
Long Undercarriage	2590 mm (8'6")	2590 mm (8'6")
8 Transport Width		
Long Undercarriage		
600 mm (24") Shoes	3190 mm (10'6")	3190 mm (10'6")
700 mm (28") Shoes	3290 mm (10'10")	3290 mm (10'10")
790 mm (31") Shoes	3380 mm (11'1")	3380 mm (11'1")
9 Cab Height*	2980 mm (9'9")	2980 mm (9'9")
10 Counterweight Clearance**	1060 mm (3'6")	1060 mm (3'6")
Bucket Type	SD	SD
Bucket Capacity	1.33 m^3 (1.74 yd^3)	1.33 m^3 (1.74 yd^3)
Bucket Tip Radius	1690 mm (5'7")	1690 mm (5'7")

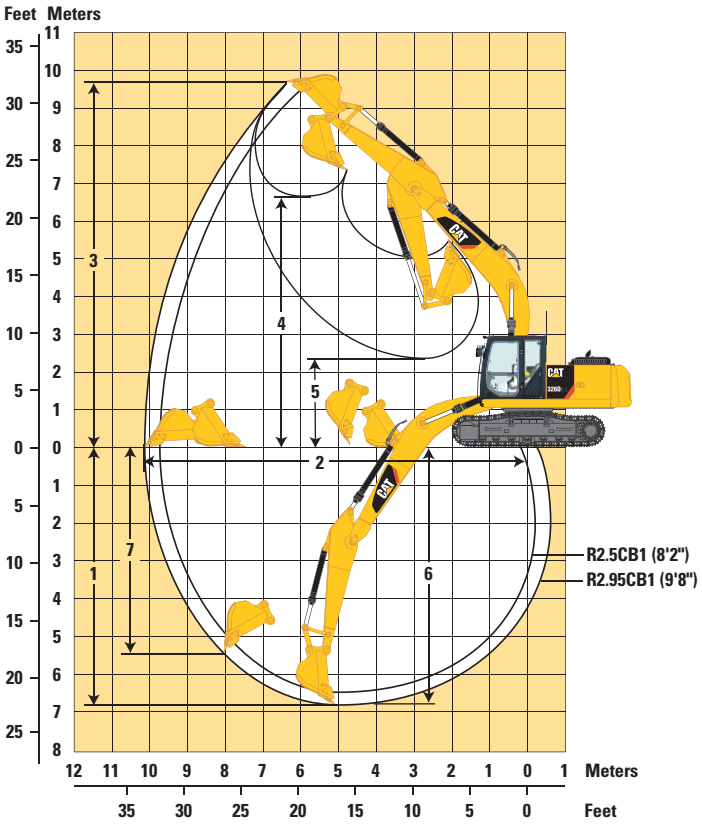
*Including shoe lug height.

**Without shoe lug height.

326D2 L Hydraulic Excavator Specifications

Working Ranges

All dimensions are approximate.



	Reach Boom 5.9 m (19'4")	
Stick Type	**2.95 m (9'8")**	**2.50 m (8'2")**
Bucket	**1.33 m³ (1.74 yd³)**	**1.33 m³ (1.74 yd³)**
1 Maximum Digging Depth	6850 mm (22'6")	6400 mm (21'0")
2 Maximum Reach at Ground Level	10 150 mm (33'4")	9739 mm (31'11")
3 Maximum Cutting Height	9700 mm (31'10")	9500 mm (31'2")
4 Maximum Loading Height	6590 mm (21'7")	6390 mm (21'0")
5 Minimum Loading Height	2360 mm (7'9")	2820 mm (9'3")
6 Maximum Depth Cut for 2440 mm (8'1") Level Bottom	6680 mm (21'11")	6200 mm (20'4")
7 Maximum Vertical Wall Digging Depth	5410 mm (17'9")	4980 mm (16'4")
Bucket Type	SD	SD
Bucket Capacity	1.33 m³ (1.74 yd³)	1.33 m³ (1.74 yd³)
Bucket Tip Radius	1690 mm (5'7")	1690 mm (5'7")

Operating Weight and Ground Pressure

Boom	**Reach**	
Stick	**R2.95**	**R2.5**
Bucket Linkage	**CB1**	**CB1**
Bucket Capacity	**1.33 m³ (1.74 yd³)**	**1.33 m³ (1.74 yd³)**
Bucket Width	**1250 mm (49 in)**	**1250 mm (49 in)**
Total Weight (600 TG)	24 804 kg (54,569 lb)	24 754 kg (54,459 lb)
Total Weight (790 TG-LC)	26 091 kg (57,400 lb)	26 041 kg (57,290 lb)
Ground Pressure		
Long Undercarriage		
600 mm (24") TG (LC)	50.7 kPa (7.4 psi)	50.6 kPa (7.3 psi)
600 mm (24") DG (LC)	51.3 kPa (7.4 psi)	51.2 kPa (7.4 psi)
790 mm (31") TG (LC)	39.4 kPa (5.7 psi)	39.3 kPa (5.7 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

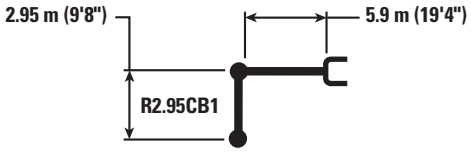
Base Machine – Includes: Boom Cylinders, Pins, Fluids	6950 kg (15,320 lb)
Full Fuel Tank	430 kg (950 lb)
Counterweight (for use with Reach and Mass booms)	4750 kg (10,470 lb)
Counterweight (for use with Super Long Reach linkage)	6780 kg (14,950 lb)
Boom (includes lines, pins, and stick cylinder)	
Reach Boom – 5.9 m (19'4")	2040 kg (4,500 lb)
Stick (includes lines, stick pins, bucket pins, bucket cylinder, and bucket linkage)	
R2.95CB1 (9'8")	1220 kg (2,690 lb)
R2.5CB1 (8'2")	1170 kg (2,580 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)
790 mm (31") TG shoe	3500 kg (7,720 lb)

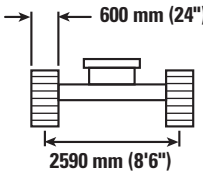
Bucket and Stick Forces

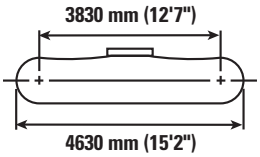
	Reach Boom* 5.9 m (19'4")	
Stick Type	**R2.95 (9'8")**	**R2.5 (8'2")**
Bucket	**1.33 m^3 (1.74 yd^3)**	**1.33 m^3 (1.74 yd^3)**
Cutting Edge		
Bucket Digging Force (ISO)	166 kN (37,231 lbf)	166 kN (37,231 lbf)
Stick Digging Force (ISO)	120 kN (27,066 lbf)	141 kN (31,600 lbf)
Bucket Tip		
Bucket Digging Force (SAE)	143 kN (32,185 lbf)	143 kN (32,185 lbf)
Stick Digging Force (SAE)	116 kN (26,099 lbf)	135 kN (30,317 lbf)

*HD Reach boom is same as Reach boom.

326D2 L 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**					*6550 ***13,500**	*6550 ***13,500**			*5450 ***12,000**	*5450 ***12,000**	6.43 **21.10**
6.0 m **20.0 ft**	kg **lb**					*6600 ***14,450**	*6600 ***14,450**	*5200	4850	*5150 ***11,350**	4850 **10,800**	7.51 **24.60**
4.5 m **15.0 ft**	kg **lb**			*8600 ***18,550**	*8600 ***18,550**	*7350 ***15,950**	6800 **14,600**	*6750 ***14,750**	4800 **10,300**	*5150 ***11,300**	4150 **9,200**	8.18 **26.80**
3.0 m **10.0 ft**	kg **lb**			*11 000 ***23,650**	9900 **21,300**	*8450 ***18,300**	6450 **13,900**	6950 **14,950**	4650 **10,000**	*5350 ***11,700**	3800 **8,400**	8.54 **28.00**
1.5 m **5.0 ft**	kg **lb**			*13 100 ***28,250**	9250 **19,950**	9500 **20,450**	6150 **13,250**	6800 **14,600**	4500 **9,700**	5550 **12,200**	3700 **8,100**	8.61 **28.20**
0 m **0 ft**	kg **lb**			*14 100 ***30,450**	8950 **19,250**	9300 **19,950**	5950 **12,800**	6650 **14,350**	4400 **9,450**	5650 **12,450**	3750 **8,250**	8.42 **27.60**
–1.5 m **–5.0 ft**	kg **lb**	*10 450 ***23,750**	*10 450 ***23,750**	*14 000 ***30,350**	8850 **19,050**	9200 **19,700**	5850 **12,600**	6600 **14,250**	4350 **9,350**	6100 **13,500**	4050 **8,900**	7.94 **26.00**
–3.0 m **–10.0 ft**	kg **lb**	*17 100 ***38,950**	*17 100 ***38,050**	*13 000 ***28,100**	8900 **19,200**	9200 **19,800**	5900 **12,700**			7200 **15,950**	4700 **10,450**	7.11 **23.30**
–4.5 m **–15.0 ft**	kg **lb**	*14 400 ***30,900**	*14 400 ***30,900**	*10 600 ***22,650**	9150 **19,700**					*7900 ***17,400**	6400 **14,400**	5.78 **19.00**

* **ISO 10567**

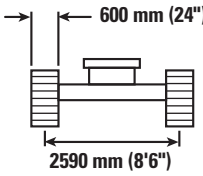
*Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories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

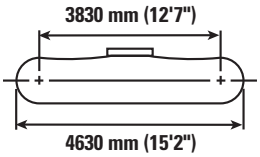
Lift capacity stays with ±5% for all available track shoes.

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

326D2 L Hydraulic Excavator Specifications

326D2 L 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**									*7250 ***16,050**	7200 ***16,050**	5.87 **19.30**
6.0 m **20.0 ft**	kg **lb**					*7150 ***15,650**	6900 **14,850**			*7000 ***15,450**	5350 **11,900**	7.04 **23.10**
4.5 m **15.0 ft**	kg **lb**			*9400 ***20,250**	*9400 ***20,250**	*7850 ***17,000**	6700 **14,400**	7050 **15,150**	4750 **10,200**	6700 **14,850**	4500 **9,950**	7.75 **25.40**
3.0 m **10.0 ft**	kg **lb**			*11 750 ***25,300**	9700 **20,950**	*8900 ***19,200**	6400 **13,800**	6950 **14,900**	4650 **9,950**	6150 **13,500**	4100 **9,050**	8.13 **26.70**
1.5 m **5.0 ft**	kg **lb**			*13 600 ***29,350**	9150 **19,700**	9450 **20,350**	6150 **13,200**	6800 **14,600**	4500 **9,650**	5950 **13,100**	3950 **8,700**	8.21 **26.90**
0 m **0 ft**	kg **lb**			*14 200 ***30,750**	8950 **19,200**	9250 **19,950**	5950 **12,800**	6700 **14,400**	4400 **9,500**	6100 **13,450**	4050 **8,900**	8.00 **26.20**
–1.5 m **–5.0 ft**	kg **lb**	*10 800 ***24,600**	*10 800 ***24,600**	*13 800 ***29,950**	8900 **19,150**	9200 **19,800**	5900 **12,700**			6700 **14,750**	4400 **9,700**	7.50 **24.60**
–3.0 m **–10.0 ft**	kg **lb**	*16 750 ***36,300**	*16 750 ***36,300**	*12 450 ***26,900**	9000 **19,400**	9300 **20,000**	5950 **12,850**			8100 **17,950**	5250 **11,700**	6.61 **21.70**
–4.5 m **–15.0 ft**	kg **lb**			*9450 ***19,950**	9300 ***19,950**					*8000 ***17,550**	7700 **17,400**	5.15 **16.90**

* **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.

Work Tool Offering Guide*

Boom Type	Reach Boom 5.9 m (19'4")	Reach Boom 5.9 m (19'4")
Stick Size	**R2.95**	**R2.5**
Hydraulic Hammer	H120Es H130Es H140Es	H120Es H130Es 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 **	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 **	P315 P325
Pulverizer	P215 P225 ^^	P215 P225
Demolition and Sorting Grapple	G320B ** G325B **^	G320B ^^ G325B **
Mobile Scrap and Demolition Shear	S320B S325B **^ S340B #	S320B S325B ** S340B #
Compactor (Vibratory Plate)	CVP110	CVP110
Orange Peel Grapple	These work tools are available for the 326D2 L. Consult your Cat dealer for proper match.	
Thumbs		
Rakes		
Center-Lock Pin Grabber Coupler		
Dedicated Quick Coupler		

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

** Pin On or CW coupler.

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

		Width		Capacity		Weight		Fill	326D2 L Reach Boom 5.9 m (19'4") Stick			
									2.95 m (9'8")		2.5 m (8'2")	
									Shoes			
	Linkage	mm	in	m^3	yd^3	kg	lb	%	600 mm (24")	790 mm (31")	600 mm (24")	790 mm (31")
With Pin Grabber Coupler												
General Duty (GD)	CB	600	24	0.52	0.68	659	1,409	100	●	●	●	●
	CB	750	30	0.71	0.93	726	1,599	100	●	●	●	●
	CB	1000	40	1.03	1.35	834	1,838	100	●	●	●	●
	CB	1350	54	1.54	2.02	1004	2,141	100	⊖	⊖	⊖	◉
	CB	1500	60	1.76	2.30	1068	2,282	100	○	○	⊖	⊖
	CB	1600	63	1.86	2.43	1098	2,419	100	○	○	○	○
Heavy Duty (HD)	CB	600	24	0.52	0.68	808	1,780	100	●	●	●	●
	CB	750	30	0.71	0.93	947	2,086	100	●	●	●	●
	CB	900	36	0.91	1.19	1040	2,292	100	●	●	●	●
	CB	1050	42	1.12	1.46	1134	2,498	100	◉	◉	●	●
	CB	1200	48	1.33	1.74	1206	2,657	100	⊖	⊖	◉	◉
	CB	1350	54	1.54	2.02	1305	2,876	100	○	○	⊖	⊖
	CB	1500	60	1.76	2.30	1406	3,098	100	◇	◇	○	○
	CB	1650	66	1.97	2.58	1477	3,254	100	◇	◇	◇	◇
Severe Duty (SD)	CB	1050	42	1.12	1.46	1241	2,734	90	●	●	●	●
Maximum load with coupler (payload + bucket)								kg	3259	3350	3606	3703
								lb	7,184	7,384	7,949	8,162

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^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)

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.

Standard Equipment

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

ENGINE

- C7.1 electronic control engine
- Meets Tier 3 emission regulations
- 3000 m (9,842 ft) altitude capability without derating (Maximum 5000 m (16,404 ft) with derate from 3000 m [9,842 ft])
- Air prefilter
- 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)
- Starting kit, cold weather, <–32° C (–26° F)
- Water separator with water level indicator sensor
- Radiator and oil cooler side by side with enough space for cleaning
- Two speed travel
- Electric fuel (Priming) pump
- Power modes (Eco and High Power)
- Variable fan with viscous clutch
- New fuel filtration system (primary ×1, secondary and third filter ×1)
- 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
- Fine swing control
- Capability of installing additional valves, pumps, circuits
- Cat bio-oil capability

CAB

- Pressurized cab
- Mechanical or air suspension seat
- Positive filtered ventilation
- Adjustable armrest
- Seat belt, retractable
- 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
- Seat integrated control lever joystick
- 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

UNDERCARRIAGE

- Idler and center section track guiding guards
- Towing eyes on base frame
- Grease lubricated track GLT2, resin

ELECTRICAL

- Batteries (2 – 900 CCA)

LIGHTS

- Working light, storage box mounted
- Interior lighting

SAFETY AND SECURITY

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

COUNTERWEIGHT

- 4750 kg (10,470 lb) counterweight

326D2 L Optional Equipment

Optional Equipment

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

HYDRAULIC SYSTEM

- Boom and stick high pressure lines
- Boom and stick medium pressure lines
- Boom and stick QC lines
- Tool control system
- Hammer circuit, foot pedal operated
- Two way combined circuit, joystick modulation operated
- Two way combined circuit with medium pressure, joystick modulation operated
- Boom lowering control device
- Stick lowering control device for Reach Boom

CAB

- 12V-10A power supply
- Sun screen
- Radio 24V
- Travel alarm
- Falling Objects Guarding System (FOGS)
- Rearview camera and mirrors

UNDERCARRIAGE AND GUARDS

- Long undercarriage
  - 600 mm (24") double grouser shoes
  - 600 mm (24") triple grouser shoes
  - 790 mm (31") triple grouser shoes
- Segmented track guiding guard (two pieces)
- Swing frame with bumper capability
  - (HD) bottom
  - (HD) travel motor
  - Swivel guard

FRONT LINKAGE

- Standard 5.9 m (19'4") reach boom with left side light
  - R2.95CB1 (9'8") stick
  - R2.5CB1 (8'2") stick
  - Bucket linkage with lifting eye
  - Bucket linkage without lifting eye

LIGHTS

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

TECHNOLOGY

- Product Link

Notes

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

AEHQ7304 (09-2014)
(ANZ, Turkey)

Materials and specifications are subject to change without notice. Featured machines in photos may include additional equipment. See your Cat dealer for available options.