

330D2 L

Hydraulic Excavator



Engine

Engine Model	Cat® C7.1 ACERT™	
Engine Power (ISO 14396)	159 kW	213 hp
Net Power (SAE J1349/ISO 9249)	157 kW	211 hp

Weights

Minimum Operating Weight	28 955 kg	63,830 lb
Maximum Operating Weight	30 305 kg	66,810 lb

Powerful, reliable, durable

The Cat 330D2 L is designed and built for a variety of applications from quarry to industrial material-handling to construction and more. It is powerful, reliable, and durable with great productivity and versatility, making it an ideal machine whatever your job site needs.

Contents

Key Features	4
Engine	6
Operator Station.....	7
Hydraulics	8
Undercarriage and Structures	9
Front Linkage	10
Service and Maintenance	11
Work Tools.....	12
Integrated Technologies.....	14
Safety	16
Complete Customer Support.....	17
Specifications.....	18
Standard Equipment.....	31
Optional Equipment.....	32
Notes.....	33





The 330D2 L comes with a number of new developments and features to help you make the best use of your machine including, isochronous engine speed control, a new fuel filtration system, a built-in economy mode to reduce fuel consumption. A variable speed fan with viscous clutch makes this machine productive, efficient, and safe.



Key Features

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



Performance/Efficiency

- Improves fuel efficiency by managing pump and isochronous engine speed control
- Electrical Fuel Priming Pump (EPP) replaces hand priming pump
- Pressure sensor added to measure Negative Flow Control, improving 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 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 durability
- Modified X-frame structure provides long life and durability
- Heavy duty booms and sticks are standard
- Grease and Lubricated Tracks (GLT) provide longer life
- New fuel injection system improves reliability

Reduced Costs

- Improved filtration efficiency and machine robustness
- 500 hour service intervals
- Two power modes are available: High Horse Power (HHP) and ECO Mode.

Technology

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



Engine

Remain powerful, reliable, durable
in your applications

Isochronous Control

The Isochronous engine speed control improves fuel efficiency and reduces fuel consumption and noise levels by managing pump and engine speed.

Reliable Cat C7.1 ACERT Engine

The Cat C7.1 ACERT engine has been designed to meet U.S. EPA Tier 2, EU Stage II equivalent emission standards. The C7.1 ACERT engine incorporates proven, robust components and precision manufacturing you can count on for reliable and efficient operation. This engine is 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 and Air Precleaner

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

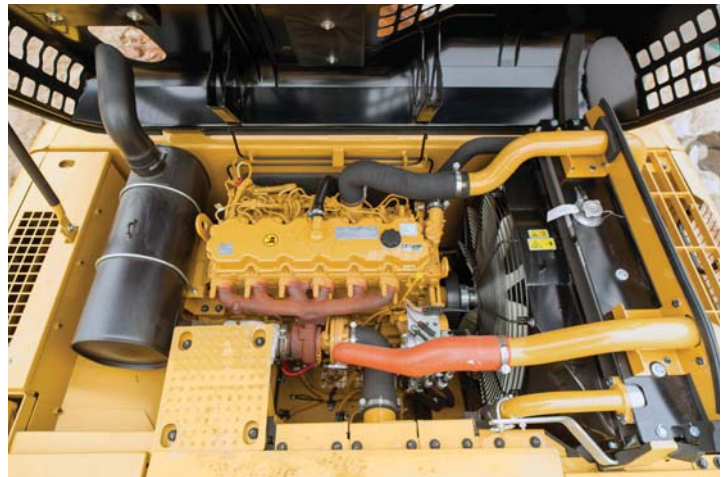
A warning is displayed on the monitor when dust accumulates above a preset level. Air precleaner reduces the amount of dust and debris that enter the air intake system which can help maximize engine performance by extending air filter life.

Electric Priming Pump

Eliminate the need for manual priming of fuel after filter changes. This pump reduces the risk of fuel contamination by preventing unfiltered fuel from being backfilled during filter changes as was possible with a manual hand priming pump.

Variable Speed Fan

Variable speed fan controlled by ECM reduces fuel consumption and noise.



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 3. 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 monitor is a full-color Liquid Crystal Display (LCD) that has the capability of displaying information in 42 languages to meet today's diverse workforce.

The LCD monitor is equipped with a warning lamp and buzzer for critical engine oil pressure, coolant temperature and oil temperature. 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

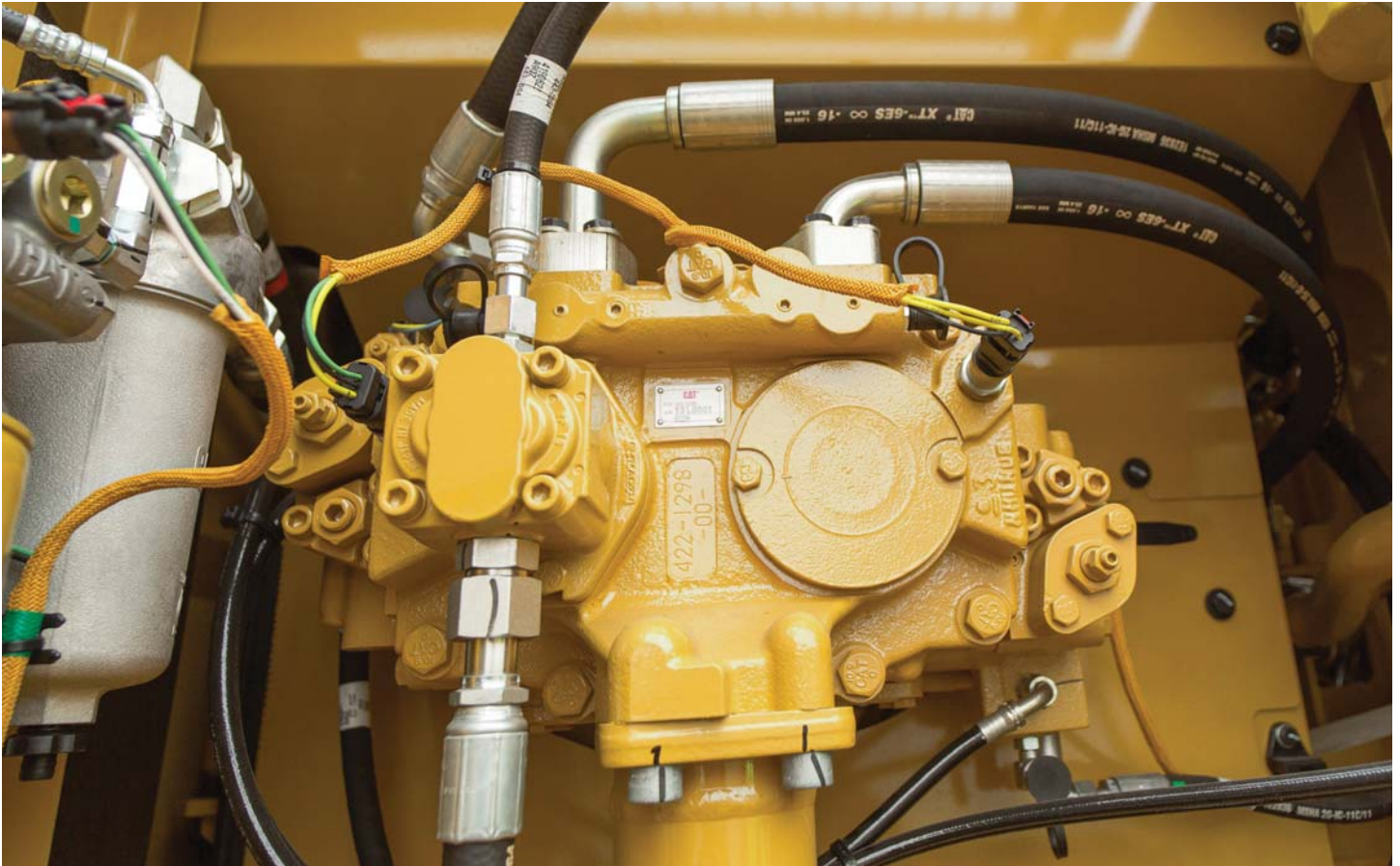
The 330D2 L offers positive filtered ventilation with a pressurized cab. Fresh air or recirculated air can be selected, which makes working in the heat and cold much more pleasant.

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

Designed 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 330D2 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 5.9 mt (6.5 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

Booms and sticks are stress-relieved for added durability

Heavy-Duty Reach Boom Front Linkage

The 6.15 m (10'2") 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. Booms and sticks are stress-relieved for added durability.

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

- R3.2 (10'6") CB2 HD stick
- R2.65 (8'8") CB2 HD stick

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 5.55 m (18'3") mass excavation boom is reinforced with a large cross section and internal baffle plates for long life and durability.

- M2.5DB (8'2") stick



Service and Maintenance

Designed to make your maintenance quick and easy



Ground-Level Service

The design and layout of the 330D2 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 330D2 L is equipped with S-O-SSM sampling ports and hydraulic test ports for the hydraulic system, engine oil, and for coolant.

Work Tools

Do more jobs with one machine



1



2



3



3



4



4

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 330D2 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.

4 – Extreme Duty Buckets (XD)

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

Couplers

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

Cat Pin Grabber Couplers

The Cat Pin Grabber Coupler is easy to activate, easy to engage, easy to disengage. Operating procedures are simple and easy to learn. It's the easiest way to improve productivity on every job site.

One excavator can share buckets and a variety of attachments with similar size excavators. Managing your assets just got easier.

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

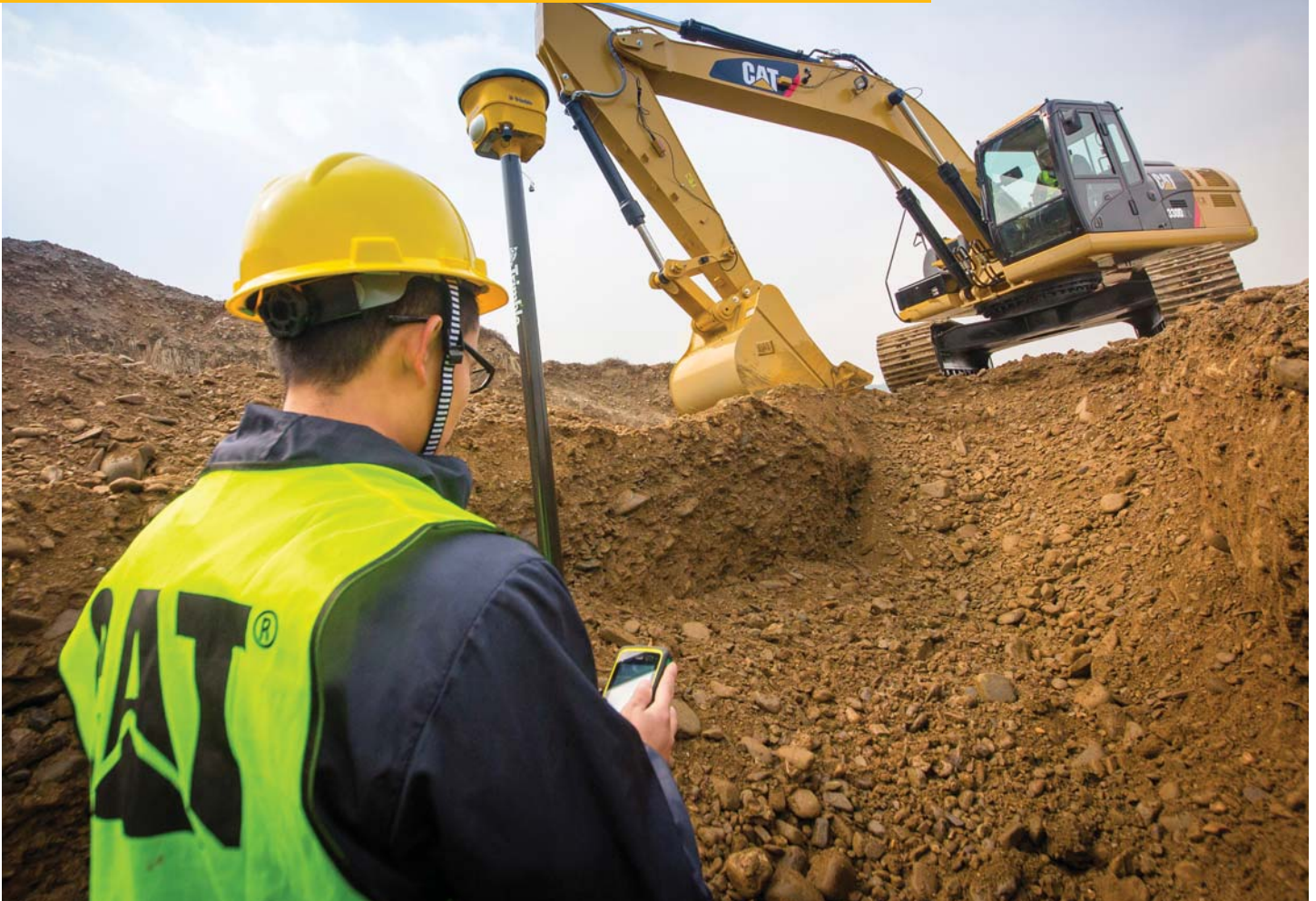
The hydraulic concrete crusher has taken modern demolition technology a step further. It is well suited for concrete demolition in residential areas. The hydraulic concrete crusher combines several concrete demolition operations in one piece of equipment:

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



Integrated Technologies

Monitor, manage, and enhance 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.

Cat Connect DETECT Technologies

DETECT technologies combine safety features, functionalities and alerts to enhance your job site awareness and keep your people and assets safe.

Rearview Camera

Rear vision cameras greatly enhance visibility behind the machine, helping the operator work more safely and productively. The camera view is automatically displayed on the integrated in-cab monitor increasing awareness of the working area around the machine giving the operator the confidence to work more safely and efficiently, at maximum potential.



Safety

Make you safer.

Anti-skid plating with countersunk bolts reduces the potential for slippage and trip hazards, providing a **safe platform** for all routine service and maintenance needs.

The standard **hydraulic lockout lever** isolates all hydraulic and travel functions in the lowered position. It is specifically designed to not allow the operator to leave the cab without first lowering it.

Three circuit breakers protect critical electrical components to increase machine uptime.

A **battery disconnect switch** helps to deter theft by isolating the battery and enhances safety when servicing the machine.

A full length **firewall** separates the engine from the hydraulic pump and offers protection in the event of an incident.

Ground level **shut-off switch** stops all fuel to the engine when activated and shuts down the machine.



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.



330D2 L Hydraulic Excavator Specifications

Engine

Engine Model	Cat C7.1 ACERT	
Type	Direct Injection	
Engine Power (ISO 14396)	159 kW	213 hp
Net Power (SAE J1349/ISO 9249)	157 kW	211 hp
Displacement	7.01 L	428 in ³
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 U.S. EPA Tier 2, EU Stage II equivalent 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*	28 955 kg	63,830 lb
Maximum Operating Weight**	30 305 kg	66,810 lb

*Long undercarriage, 6.15 m (20'2") HD reach boom, R2.65CB2 (8'8") HD stick, 1.54 m³ (2.02 yd³) bucket, 600 mm (24") triple grouser track shoes

**Long undercarriage, 5.55 m (18'3") Mass boom, M2.5DB (8'2") stick, 2.12 m³ (2.77 yd³) bucket, 800 mm (32") triple grouser track shoes

Swing Mechanism

Swing Speed	9.6 rpm	
Swing Torque	82.2 kN·m	60,627.6 lbf-ft

Drive

Maximum Travel Speed	5.3 km/h	3.4 mph
Maximum Drawbar Pull	248 kN	55,752.6 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)	310 L	81.9 gal
Hydraulic Tank	257 L	67.9 gal

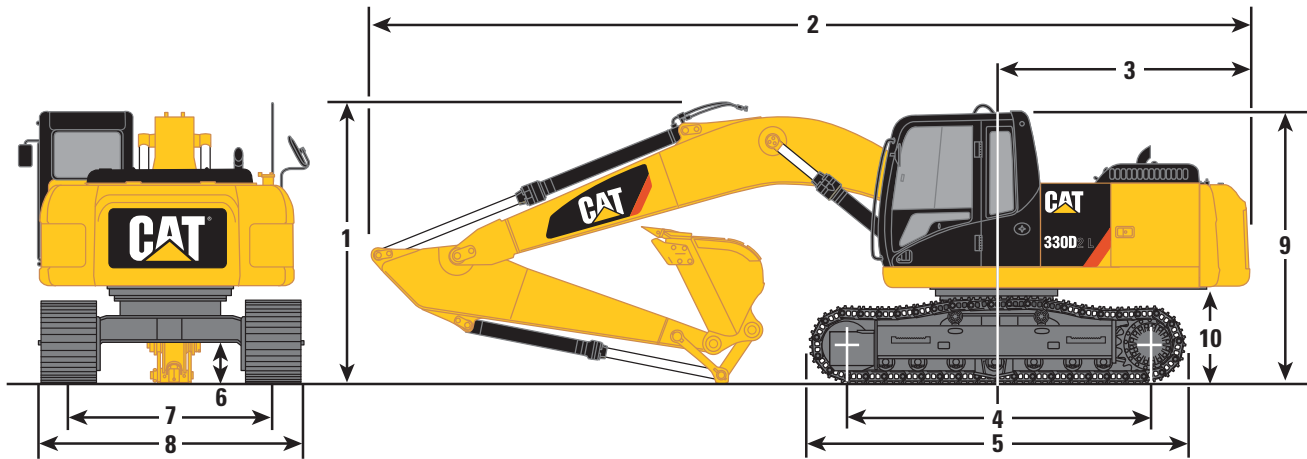
Hydraulic System

Main System – Maximum Flow at Travel H/L (1,800 rpm)	254 × 2 (508 total) L/min	67.1 × 2 (134.2 total) gal/min
Main System – Maximum Flow at Travel L/L (1,750 rpm)	247 × 2 (494 total) L/min	65.2 × 2 (130.4 total) gal/min
Main System – Maximum Flow (each) at Operation (1,700 rpm)	240 × 2 (480 total) L/min	63.4 × 2 (126.8 total) gal/min
Swing System – Maximum Flow	240 L/min	63.4 gal/min
Maximum Pressure – Equipment	35 MPa	5,076.4 psi
Maximum Pressure – Travel	35 MPa	5,076.4 psi
Maximum Pressure – Swing	27.5 MPa	3,982.7 psi
Pilot System – Maximum Flow	23.1 L/min	6.1 gal/min
Pilot System – Maximum Pressure	3920 kPa	568.6 psi
Boom Cylinder – Bore	140 mm	5.5 in
Boom Cylinder – Stroke	1407 mm	55.4 in
Stick Cylinder – Bore	150 mm	5.9 in
Stick Cylinder – Stroke	1646 mm	64.8 in
CB2 Bucket Cylinder – Bore	135 mm	5.3 in
CB2 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

330D2 L Hydraulic Excavator Specifications

Dimensions

All dimensions are approximate.



Stick Type	HD Reach Boom 6.15 m (20'2")		Mass Boom 5.55 m (18'3")
	R3.2CB2 (10'6") HD	R2.65CB2 (8'8") HD	M2.5DB (8'2")
1 Shipping Height*	3330 mm (10'11")	3420 mm (11'3")	3490 mm (11'5")
2 Shipping Length	10 360 mm (34'0")	10 370 mm (34'0")	9800 mm (32'2")
3 Tail Swing Radius	3080 mm (10'1")	3080 mm (10'1")	3080 mm (10'1")
4 Length to Center of Rollers			
Long Undercarriage	3990 mm (13'1")	3990 mm (13'1")	3990 mm (13'1")
5 Track Length			
Long Undercarriage	4860 mm (15'11")	4860 mm (15'11")	4860 mm (15'11")
6 Ground Clearance**	480 mm (19")	480 mm (19")	480 mm (19")
7 Track Gauge			
Long Undercarriage	2590 mm (8'6")	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")	3190 mm (10'6")
700 mm (28") Shoes	3290 mm (10'10")	3290 mm (10'10")	3290 mm (10'10")
800 mm (31") Shoes	3390 mm (11'1")	3390 mm (11'1")	3390 mm (11'1")
9 Cab Height*	3040 mm (10'0")	3040 mm (10'0")	3040 mm (10'0")
10 Counterweight Clearance**	1100 mm (3'7")	1100 mm (3'7")	1100 mm (3'7")
Bucket Type	SD	SD	SD
Bucket Capacity	1.54 m ³ (2.01 yd ³)	1.54 m ³ (2.01 yd ³)	2.12 m ³ (2.77 yd ³)
Bucket Tip Radius	1690 mm (5'7")	1690 mm (5'7")	1780 mm (5'10")

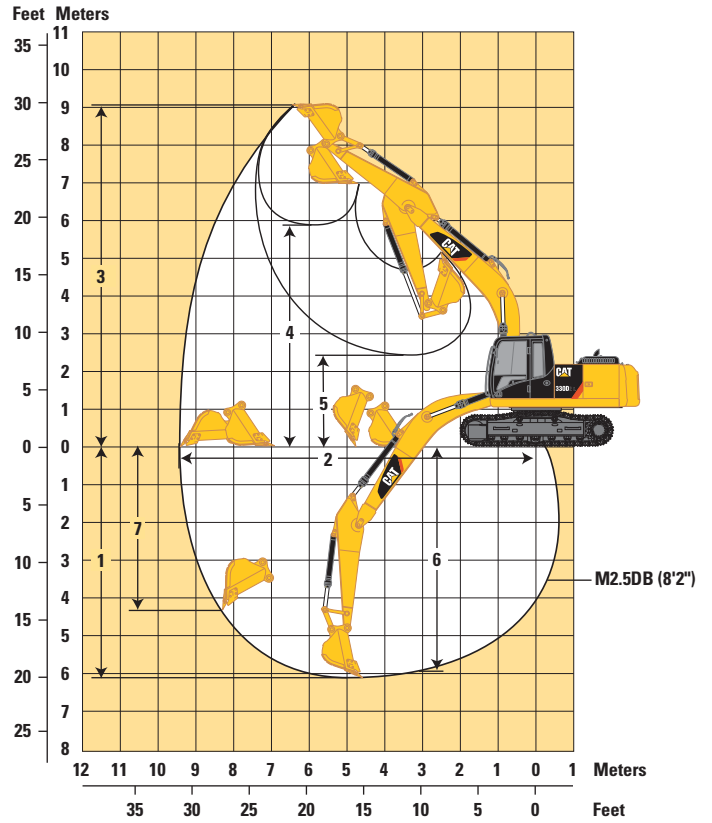
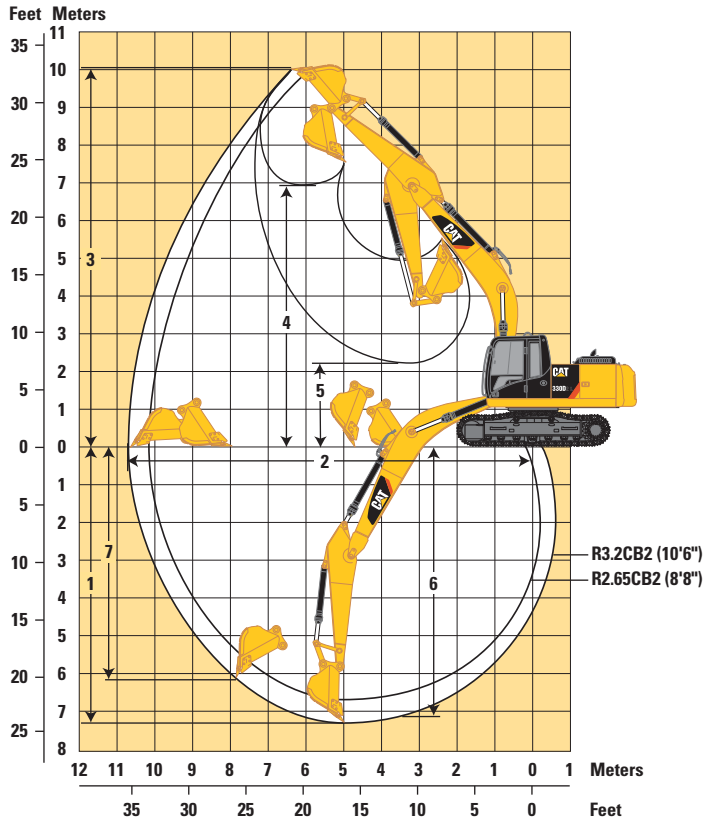
*Including shoe lug height.

**Without shoe lug height.

330D2 L Hydraulic Excavator Specifications

Working Ranges

All dimensions are approximate.



Stick Type	HD Reach Boom 6.15 m (20'2")		Mass Boom 5.55 m (18'3")
	3.2 m (10'6")	2.65 m (8'8")	2.5 m (8'2")
Bucket	1.54 m³ (2.01 yd³)	1.54 m³ (2.01 yd³)	2.12 m³ (2.77 yd³)
1 Maximum Digging Depth	7290 mm (23'11")	6740 mm (22'1")	6140 mm (20'2")
2 Maximum Reach at Ground Level	10 720 mm (35'2")	10 240 mm (33'7")	9470 mm (31'1")
3 Maximum Cutting Height	10 040 mm (32'11")	9930 mm (32'7")	9140 mm (30'0")
4 Maximum Loading Height	6900 mm (22'8")	6760 mm (22'2")	5960 mm (19'7")
5 Minimum Loading Height	2250 mm (7'5")	2800 mm (9'2")	2430 mm (8'0")
6 Maximum Depth Cut for 2440 mm (8'1") Level Bottom	7130 mm (23'5")	6560 mm (21'6")	5950 mm (19'6")
7 Maximum Digging (Vertical Wall)	6160 mm (20'3")	5840 mm (19'2")	4290 mm (14'1")
Bucket Type	SD	SD	SD
Bucket Capacity	1.54 m ³ (2.01 yd ³)	1.54 m ³ (2.01 yd ³)	2.12 m ³ (2.77 yd ³)
Bucket Tip Radius	1690 mm (5'7")	1690 mm (5'7")	1780 mm (5'10")

330D2 L Hydraulic Excavator Specifications

Operating Weight and Ground Pressure

Boom	Reach (HD)		Mass
Stick	R3.2HD	R2.65HD	M2.5
Bucket Linkage	CB	CB	DB
Bucket Capacity	1.54 m³ (2.01 yd³)	1.54 m³ (2.01 yd³)	2.12 m³ (2.77 yd³)
Bucket Width	1400 mm (55 in)	1400 mm (55 in)	1700 mm (67 in)
Total Weight (800 TG)	30 118 kg (66,260 lb)	29 914 kg (65,811 lb)	30 298 kg (66,656 lb)
Ground Pressure			
Long Undercarriage			
800 mm (31") TG	42.9 kPa (6.2 psi)	42.6 kPa (6.2 psi)	43.2 kPa (6.3 psi)
700 mm (28") TG	48.1 kPa (7.0 psi)	47.7 kPa (6.9 psi)	48.3 kPa (7.0 psi)
600 mm (24") TG	55.4 kPa (8.0 psi)	55.0 kPa (8.0 psi)	55.8 kPa (8.1 psi)
600 mm (24") DG	56.2 kPa (8.1 psi)	55.8 kPa (8.1 psi)	56.6 kPa (8.2 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.

330D2 L Hydraulic Excavator Specifications

Major Component Weights for Undercarriage

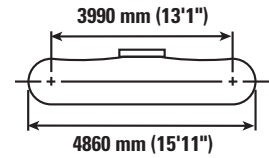
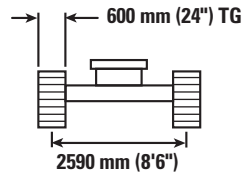
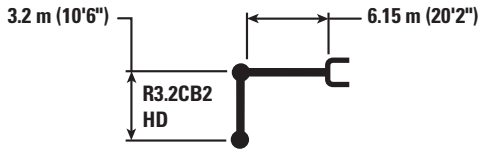
Base Machine – Includes: Boom Cylinders, Pins, Fluids	7030 kg (15,500 lb)
Full Fuel Tank	430 kg (950 lb)
Counterweight	5860 kg (12,920 lb)
Boom (includes lines, pins, and stick cylinder)	
Reach Boom HD – 6.15 m (20'2")	2420 kg (5,340 lb)
Mass Boom – 5.55 m (18'3")	2390 kg (5,270 lb)
Stick (includes lines, stick pins, bucket pins, bucket cylinder, and bucket linkage)	
R3.2CB2 HD (10'6")	1610 kg (3,550 lb)
R2.65CB2 HD (8'8")	1410 kg (3,110 lb)
M2.5DB (8'2")	1550 kg (3,420 lb)
Undercarriage	
Long Undercarriage	6630 kg (14,620 lb)
Tracks	
600 mm (24") TG shoe	3580 kg (7,890 lb)
600 mm (24") DG shoe	4000 kg (8,820 lb)
700 mm (28") TG shoe	3910 kg (8,620 lb)
800 mm (31") TG shoe	4540 kg (10,010 lb)

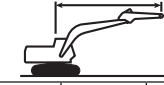














Bucket and Stick Forces

Stick Type	HD Reach Boom 6.15 m (20'2")		Mass Boom 5.55 m (18'3")
	R3.2 HD (10'6")	R2.65 HD (8'8")	M2.5 (8'2")
Bucket Capacity	1.54 m³ (2.01 yd³)	1.54 m³ (2.01 yd³)	2.12 m³ (2.77 yd³)
Cutting Edge			
Bucket Digging Force (ISO)	179 kN (40,152 lbf)	179 kN (40,152 lbf)	211 kN (47,458 lbf)
Stick Digging Force (ISO)	126 kN (28,374 lbf)	145 kN (32,526 lbf)	153 kN (34,334 lbf)
Bucket Tip			
Bucket Digging Force (SAE)	154 kN (34,709 lbf)	154 kN (34,709 lbf)	184 kN (41,417 lbf)
Stick Digging Force (SAE)	122 kN (27,423 lbf)	139 kN (31,263 lbf)	147 kN (33,028 lbf)

330D2 L Hydraulic Excavator Specifications

330D2 L HD Reach Boom Lift Capacities – Counterweight: 5.9 mt (6.5 t) – Without Bucket Linkage



		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		 m ft			
																	
7.5 m	kg														*5100	*5100	7.28
25.0 ft	lb														*11,250	*11,250	23.9
6.0 m	kg									*7000	5550				*4850	4700	8.23
20.0 ft	lb									*15,150	11,900				*10,650	10,450	27.0
4.5 m	kg							*8200	7650	*7400	5400				*4800	4100	8.83
15.0 ft	lb							*17,800	16,500	*16,150	11,600				*10,550	9,100	29.0
3.0 m	kg					*12 650	11 100	*9550	7250	*8100	5200	*5900	3900		*4950	3800	9.14
10.0 ft	lb					*27,200	23,950	*20,700	15,600	17,450	11,150				*10,850	8,400	30.0
1.5 m	kg					*15 100	10 350	*10 850	6850	7900	5000	6000	3800		*5250	3700	9.19
5.0 ft	lb					*32,550	22,250	*23,500	14,750	16,950	10,750	*12,400	8,200		*11,500	8,100	30.2
0 m	kg					*16 200	9950	10 850	6600	7700	4850				*5750	3750	8.99
0 ft	lb					*35,050	21,350	23,250	14,200	16,600	10,400				*12,650	8,250	29.5
-1.5 m	kg	*6300	*6300	*9950	*9950	*16 200	9850	10 700	6450	7650	4750				6400	4050	8.53
-5.0 ft	lb	*14,050	*14,050	*22,600	*22,600	*35,050	21,150	22,950	13,950	16,450	10,250				14,050	8,850	28.0
-3.0 m	kg	*11 400	*11 400	*16 150	*16 150	*15 200	9900	10 700	6500	7700	4800				7400	4650	7.74
-10.0 ft	lb	*25,550	*25,550	*36,650	*36,650	*32,850	21,300	23,000	14,000	16,600	10,400				16,350	10,250	25.4
-4.5 m	kg			*17 550	*17 550	*12 850	10 150	*9500	6700						*8300	6000	6.52
-15.0 ft	lb			*37,700	*37,700	*27,600	21,850	*20,100	14,450						*18,300	13,450	21.4



ISO 10567



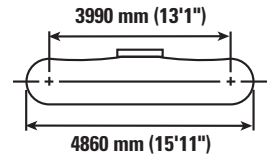
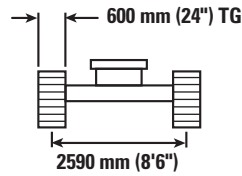
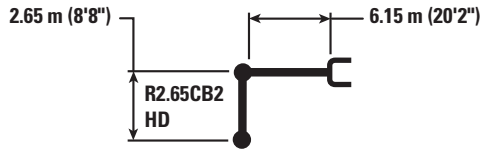
*Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories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

330D2 L Hydraulic Excavator Specifications

330D2 L HD Reach Boom Lift Capacities – Counterweight: 5.9 mt (6.5 t) – Without Bucket Linkage



		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					*17,200	*17,200			*6700	*6700	6.67 21.9
6.0 m 20.0 ft	kg lb					*8000 *17,450	7900 17,000	*7600 *14,300	5500 11,750	*6300 *13,850	5250 11,700	7.70 25.3
4.5 m 15.0 ft	kg lb			*11 050 *23,700	*11 050 *23,700	*9000 *19,450	7600 16,400	*8000 *17,500	5400 11,600	*6200 *13,650	4550 10,050	8.34 27.4
3.0 m 10.0 ft	kg lb			*13 900 *29,850	10 950 23,650	*10 250 *22,200	7250 15,600	8150 17,500	5250 11,250	*6350 *13,950	4200 9,250	8.67 28.4
1.5 m 5.0 ft	kg lb			*15 550 *34,450	10 350 22,250	11 150 24,000	6900 14,900	7950 17,100	5050 10,900	6350 14,000	4100 8,950	8.72 28.6
0 m 0 ft	kg lb			*16 500 *35,850	10 100 21,700	10 950 23,500	6700 14,450	7800 16,800	4950 10,650	6550 14,350	4150 9,150	8.51 27.9
-1.5 m -5.0 ft	kg lb	*9700 *22,150	*9700 *22,150	*16 100 *34,900	10 050 21,650	10 850 23,300	6650 14,300	7800 16,750	4900 10,600	7100 15,650	4500 9,950	8.02 26.3
-3.0 m -10.0 ft	kg lb	*18 250 *41,650	*18 250 *41,650	*14 650 *31,700	10 200 21,900	10 950 23,500	6700 14,450			8400 18,650	5300 11,750	7.18 23.6
-4.5 m -15.0 ft	kg lb	*15 350	*15 350	*11 650 *24,850	10 500 22,600					*8450 *18,550	7250 16,350	5.83 19.1



ISO 10567



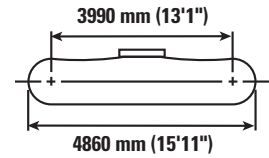
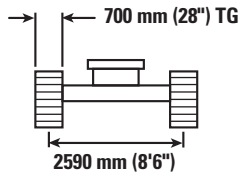
*Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories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

330D2 L Hydraulic Excavator Specifications

330D2 L Mass Boom Lift Capacities – Counterweight: 5.9 mt (6.5 t) – Without Bucket Linkage



		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									*7950 *17,650	*7950 *17,650	5.50 18.0
6.0 m 20.0 ft	kg lb					*8800 *19,300	7950 17,100			*7400 *16,300	6600 14,750	6.72 22.0
4.5 m 15.0 ft	kg lb			*11 150 *24,100	*11 150 *24,100	*9450 *20,600	7750 16,650			*7350 *16,150	5500 12,200	7.44 24.4
3.0 m 10.0 ft	kg lb			*13 800 *29,700	11 350 24,450	*10 600 *22,950	7400 15,950	8250 17,750	5300 11,400	*7650 *16,750	5000 11,000	7.81 25.6
1.5 m 5.0 ft	kg lb			*15 950 *34,400	10 700 23,050	11 450 24,550	7100 15,250	8100 17,450	5150 11,100	7550 16,600	4800 10,600	7.87 25.8
0 m 0 ft	kg lb			*16 700 *36,150	10 400 22,350	11 200 24,050	6900 14,800	8000 17,200	5050 10,900	7800 17,200	4950 10,900	7.64 25.1
-1.5 m -5.0 ft	kg lb	*16 400 *37,300	*16 400 *37,300	*16 100 *34,900	10 350 22,250	11 150 23,900	6850 14,700			8700 19,250	5500 12,100	7.08 23.2
-3.0 m -10.0 ft	kg lb	*19 150 *41,450	*19 150 *41,450	*14 050 *30,300	10 500 22,600	*10 150 6950				*9850 *21,700	6800 15,150	6.10 20.0



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.

330D2 L Hydraulic Excavator Specifications

Work Tool Offering Guide* – Africa, Middle East

Boom Type	HD Reach Boom	Mass Boom
	6.15 m (20'2")	5.55 m (18'3")
Stick Size	R2.65 HD (8'8")	M2.5 (8'2")
Hydraulic Hammer	B30 (2209 kg) B35 (3005 kg) ^{^ ^^} H140Es (2410 kg)	B30 (2209 kg) B35 (3005 kg) H140Es (2410 kg)
Multi-Processor	MP324 CC Jaw MP324 D Jaw MP324 P Jaw MP324 U Jaw MP324 S Jaw MP324 TS Jaw	MP324 CC Jaw MP324 D Jaw MP324 P Jaw MP324 U Jaw MP324 S Jaw MP324 TS Jaw MP30 CC Jaw [^] MP30 CR Jaw [^] MP30 PP Jaw ^{** #} MP30 PS Jaw [^] MP30 S Jaw ^{**}
Crusher	P325	P325 P335 [^]
Pulverizer	P225	P225 P235 [^]
Demolition and Sorting Grapple (D-Demolition Shells, R-Recycling Shells)	G320B-D/R G325B-D ^{^ ^^}	G320B-D/R G325B-D G330 [^]
Scrap and Demolition Shear	S320B S325B ^{^ ^^} S340B ^{##}	S320B S325B S340B ^{##}
Compactor (Vibratory Plate)	CVP110	CVP110
Orange Peel Grapple		
Rippers		
Pin Grabber Coupler	Cat-PG	
Dedicated Quick Coupler	CW45s CW45	

These work tools are available for the 330D2 L.
Consult your Cat dealer for proper work tool 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.

** Match; Pin-on only

Work over the front only

Match; Boom Mount

[^] Work over the front only with Dedicated Quick Coupler (match; Pin-on and Dedicated Quick Coupler)

^{^^} Work over the front only with Cat-PG (match; Pin-on, Dedicated Quick Coupler and Cat-PG)

330D2 L Hydraulic Excavator Specifications

Work Tool Offering Guide* – Asia Pacific (except China)

Boom Type	HD Reach Boom		Mass Boom
	6.15 m (20'2")		5.55 m (18'3")
Stick Size	R3.2 HD (10'6")	R2.65 HD (8'8")	M2.5 (8'2")
Hydraulic Hammer	B30 B35** H140Es	B30 B35^ ^^ H140Es	B30 B35 H140Es
Multi-Processor	MP324 CC Jaw^ ^^ MP324 D Jaw^ ^^ MP324 P Jaw^ MP324 U Jaw^ ^^ MP324 S Jaw MP324 TS Jaw^	MP324 CC Jaw MP324 D Jaw MP324 P Jaw MP324 U Jaw MP324 S Jaw MP324 TS Jaw	MP324 CC Jaw MP324 D Jaw MP324 P Jaw MP324 U Jaw MP324 S Jaw MP324 TS Jaw MP30 CC Jaw^ MP30 CR Jaw^ MP30 PP Jaw** # MP30 PS Jaw^ MP30 S Jaw**
Crusher	P325^ ^^	P325	P325 P335^
Pulverizer	P225	P225	P225 P235^
Demolition and Sorting Grapple (D-Demolition Shells, R-Recycling Shells)	G320B-D/R G325B-D**	G320B-D/R G325B-D^ ^^	G320B-D/R G325B-D G330^
Scrap and Demolition Shear	S320B S325B** S340B##	S320B S325B^ ^^ S340B##	S320B S325B S340B##
Compactor (Vibratory Plate)	CVP110	CVP110	CVP110
Orange Peel Grapple			
Rippers			
Pin Grabber Coupler	Cat-PG		
Dedicated Quick Coupler	CW45s CW45		

These work tools are available for the 330D2 L.
Consult your Cat dealer for proper work tool 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.

** Match; Pin-on only

Work over the front only

Match; Boom Mount

^ Work over the front only with Dedicated Quick Coupler (match; Pin-on and Dedicated Quick Coupler)

^^ Work over the front only with Cat-PG (match; Pin-on, Dedicated Quick Coupler and Cat-PG)

330D2 L Hydraulic Excavator Specifications

Work Tool Offering Guide* – South America and CIS

Boom Type	HD Reach Boom		Mass Boom
	6.15 m (20'2")		5.55 m (18'3")
Stick Size	R3.2 HD (10'6")	R2.65 HD (8'8")	M2.5 (8'2")
Hydraulic Hammer	H140Es	H140Es	H140Es
Multi-Processor	MP324 CC Jaw [^] ^{^^} MP324 D Jaw [^] ^{^^} MP324 P Jaw [^] MP324 U Jaw [^] ^{^^} MP324 S Jaw MP324 TS Jaw [^]	MP324 CC Jaw MP324 D Jaw MP324 P Jaw MP324 U Jaw MP324 S Jaw MP324 TS Jaw	MP324 CC Jaw MP324 D Jaw MP324 P Jaw MP324 U Jaw MP324 S Jaw MP324 TS Jaw MP30 CC Jaw [^] MP30 CR Jaw [^] MP30 PP Jaw ^{**} # MP30 PS Jaw [^] MP30 S Jaw ^{**}
Crusher	P325 [^] ^{^^}	P325	P325 P335 [^]
Pulverizer	P225	P225	P225 P235 [^]
Demolition and Sorting Grapple (D-Demolition Shells, R-Recycling Shells)	G320B-D/R G325B-D ^{**}	G320B-D/R G325B-D [^] ^{^^}	G320B-D/R G325B-D G330 [^]
Scrap and Demolition Shear	S320B S325B ^{**} S340B ^{##}	S320B S325B [^] ^{^^} S340B ^{##}	S320B S325B S340B ^{##}
Compactor (Vibratory Plate)	CVP110	CVP110	CVP110
Orange Peel Grapple			
Rippers			
Pin Grabber Coupler	Cat-PG		
Dedicated Quick Coupler	CW45s CW45		

These work tools are available for the 330D2 L.
Consult your Cat dealer for proper work tool 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.

** Match; Pin-on only

Work over the front only

Match; Boom Mount

[^] Work over the front only with Dedicated Quick Coupler (match; Pin-on and Dedicated Quick Coupler)

^{^^} Work over the front only with Cat-PG (match; Pin-on, Dedicated Quick Coupler and Cat-PG)

330D2 L Hydraulic Excavator Specifications

Bucket Specifications and Compatibility – Africa, Middle East and CIS

	Linkage	Width		Capacity		Weight		Fill	330D2 L – Africa, Middle East				330D2 L – CIS					
									HD Reach Boom		ME Boom		HD Reach Boom		ME Boom			
									6.15 m (20'2")		5.55 m (18'3")		6.15 m (20'2")		5.55 m (18'3")			
									Stick				Stick					
									2.65 HD (8'8")		M2.5 (8'2")		3.2 HD (10'6")		2.65 HD (8'8")		M2.5 (8'2")	
								Shoes				Shoes						
		600 mm (24")	700 mm (28")	600 mm (24")	700 mm (28")	600 mm (24")	800 mm (31")	600 mm (24")	800 mm (31")	600 mm (24")	800 mm (31")	600 mm (24")	800 mm (31")					
Without Quick Coupler																		
General Duty (GD)	CB	750	30	0.71	0.93	730	1,609	100	●	●			●	●	●	●		
	CB	1050	42	1.12	1.46	864	1,903	100	●	●			●	●	●	●		
	CB	1200	48	1.33	1.74	927	2,044	100	●	●			●	●	●	●		
	CB	1350	54	1.54	2.02	1009	2,224	100	●	●			⊖	⊙	●	●		
	CB	1500	60	1.76	2.30	1074	2,366	100	⊙	⊙								
	DB	1350	53	1.64	2.14	1173	2,585	100			●	●					●	●
	DB	1500	59	1.88	2.46	1275	2,809	100			⊙	⊙					⊙	●
	DB	1650	65	2.12	2.77	1352	2,979	100			⊖*	⊖*					⊖*	⊙*
Heavy Duty (HD)	CB	1350	54	1.54	2.02	1134	2,499	100	⊙	⊙			⊖	⊙	⊙	●		
	CB	1500	60	1.76	2.30	1229	2,708	100	⊖	⊖			⊙	⊖	⊖	⊙		
	DB	1350	54	1.64	2.14	1447	3,189	100			●	●					●	●
	DB	1500	60	1.88	2.46	1542	3,399	100			⊙	⊙					⊙	⊙
	DB	1650	66	2.12	2.77	1673	3,687	100			⊖*	⊖*					⊖*	⊖*
Severe Duty (SD)	CB	1350	54	1.56	2.04	1245	2,744	90	●	●			⊖	⊙	●	●		
	DB	1500	60	1.91	2.50	1691	3,727	90			⊙	⊙					⊙	⊙
Maximum load pin on (payload + bucket)								kg	4119	4174	4870	4932	3635	3782	4119	4277	4870	5049
								lb	9,078	9,199	10,733	10,870	8,012	8,336	9,078	9,427	10,733	11,128
With Quick Coupler (CW45, CW45s)																		
General Duty (GD)	CB	750	30	0.7	0.9	693	1,526	100	●	●			●	●	●	●		
	CB	1350	54	1.5	2.0	1008	2,221	100	⊙	⊙			⊙	⊖	⊙	⊙		
	CB	1500	60	1.76	2.30	1074	2,366	100	⊖	⊖			⊙	⊙	⊖	⊖		
	CB	1650	66	1.97	2.58	1157	2,550	100	⊙	⊙			◇	◇	⊙	⊙		
	DB	1050	41	1.17	1.54	986	2,172	100			●	●					●	●
	DB	1200	47	1.40	1.84	1064	2,345	100			●	●					●	●
	DB	1350	53	1.64	2.14	1142	2,517	100			⊙	●					⊙	●
	DB	1500	59	1.88	2.46	1245	2,745	100			⊖	⊖					⊖	⊙
	DB	1650	65	2.12	2.77	1323	2,917	100			⊖	⊖					⊖	⊖
Heavy Duty (HD)	CB	1050	42	1.12	1.46	986	2,174	100	●	●			⊙	●	●	●		
	CB	1200	48	1.33	1.74	1061	2,338	100	⊙	⊙			⊖	⊖	⊙	●		
	CB	1350	54	1.54	2.02	1134	2,499	100	⊖	⊖			⊙	⊙	⊖	⊙		
	CB	1500	60	1.76	2.30	1229	2,709	100	⊙	⊙			◇	⊙	⊙	⊖		
	CB	1650	66	1.97	2.58	1302	2,869	100	⊙	⊙			◇	◇	⊙	⊙		
	DB	750	30	0.73	0.95	973	2,144	100			●	●					●	●
	DB	1350	54	1.64	2.14	1417	3,122	100			⊙	⊙					⊙	⊙
	DB	1500	60	1.88	2.46	1514	3,337	100			⊖	⊖					⊖	⊖
	DB	1650	66	2.12	2.77	1647	3,629	100			⊙	⊙					⊙	⊙
	DB	1800	72	2.36	3.08	1746	3,848	100			◇	⊙					◇	⊙
Severe Duty (SD)	DB	1050	42	1.17	1.54	1282	2,826	90			●	●					●	●
	DB	1500	60	1.91	2.50	1661	3,661	90			⊖	⊖					⊖	⊖
	DB	1650	66	2.15	2.81	1802	3,971	90			⊙	⊙					⊙	⊖
Maximum load with coupler (payload + bucket)								kg	3655	3710	4380	4442	3171	3318	3655	3813	4380	4559
								lb	8,056	8,177	9,654	9,790	6,989	7,313	8,056	8,404	9,654	10,048

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.

*Recommended for General Duty application.

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)

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.

330D2 L Hydraulic Excavator Specifications

Bucket Specifications and Compatibility – Asia Pacific (except China)

		330D2 L																		
		HD Reach Boom					ME Boom													
		6.15 m (20'2")					5.55 m (18'3")													
		Stick																		
		3.2 HD (10'6")			2.65 HD (8'8")			M2.5 (8'2")												
Linkage		Width		Capacity		Weight		Fill	Shoes											
		mm	in	m ³	yd ³	kg	lb		%	600 mm (24")	700 mm (28")	800 mm (31")	600 mm (24")	700 mm (28")	800 mm (31")	600 mm (24")	700 mm (28")	800 mm (31")		
Without Quick Coupler																				
Heavy Duty (HD)	CB	1200	48	1.33	1.74	1095	2413	100	⊙	⊙	●	●	●	●						
	CB	1250	49	1.33	1.74	1130	2,491	100	⊙	⊙	⊙	●	●	●						
	CB	1350	54	1.54	2.02	1188	2,618	100	⊖	⊖	⊖	⊙	⊙	●						
	CB	1400	55	1.54	2.02	1230	2,712	100	⊖	⊖	⊖	⊙	⊙	⊙						
Severe Duty (SD)	CB	1350	54	1.45	1.90	1286	2,834	90	⊙	⊙	⊙	●	●	●						
	CB	1400	56	1.54	2.02	1355	2,985	90	⊖	⊖	⊙	⊙	●	●						
	DB	1400	56	1.64	2.14	1643	3,621	90								●	●	●		
Maximum load pin on (payload + bucket)								kg	3635	3686	3782	4119	4174	4277	4870	4932	5049			
								lb	8,012	8,124	8,336	9,078	9,199	9,427	10,733	10,870	11,128			
With Pin Grabber Coupler																				
Heavy Duty (HD)	CB	1200	48	1.33	1.74	1095	2,413	100	⊖	⊖	⊖	⊙	⊙	●						
	CB	1250	49	1.33	1.74	1130	2,491	100	⊖	⊖	⊖	⊙	⊙	⊙						
	CB	1350	54	1.54	2.02	1188	2,618	100	○	○	○	⊖	⊖	⊖						
	CB	1400	55	1.54	2.02	1230	2,712	100	○	○	○	⊖	⊖	⊖						
Severe Duty (SD)	CB	1350	54	1.45	1.90	1286	2,834	90	○	⊖	⊖	⊙	⊙	⊙						
	CB	1400	56	1.54	2.02	1355	2,985	90	○	○	○	⊖	⊖	⊙						
	DB	1400	56	1.64	2.14	1643	3,621	90								⊙	⊙	⊙		
Maximum load with coupler (payload + bucket)								kg	3130	3181	3277	3614	3669	3772	4312	4374	4491			
								lb	6,900	7,012	7,224	7,966	8,087	8,315	9,503	9,640	9,898			

Bucket Specifications and Compatibility – South America

		330D2 L																		
		HD Reach Boom					ME Boom													
		6.15 m (20'2")					5.55 m (18'3")													
		Stick																		
		3.2 HD (10'6")			2.65 HD (8'8")			M2.5 (8'2")												
Linkage		Width		Capacity		Weight		Fill	Shoes											
		mm	in	m ³	yd ³	kg	lb		%	600 mm (24")	700 mm (28")	600 mm (24")	700 mm (28")	600 mm (24")	700 mm (28")					
Without Quick Coupler																				
Severe Duty (SD)	DB	1350	54	1.66	2.17	1576	3,474	90	●	●										
	DB	1500	60	1.91	2.50	1691	3,727	90	⊙	⊙										
Maximum load pin on (payload + bucket)								kg	3635	3686	4119	4174	4870	4932						
								lb	8,012	8,124	9,078	9,199	10,733	10,870						
With Pin Grabber Coupler																				
Severe Duty (SD)	DB	1350	54	1.66	2.17	1576	3,474	90	⊙	⊙										
	DB	1500	60	1.91	2.50	1691	3,727	90	⊖	⊖										
Maximum load with coupler (payload + bucket)								kg	3130	3181	3614	3669	4312	4374						
								lb	6,900	7,012	7,966	8,087	9,503	9,640						

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

Capacity based on ISO 7451.

Bucket weight with General Duty tips.

Maximum Material Density:

- 2100 kg/m³ (3,500 lb/yd³)
- ⊙ 1800 kg/m³ (3,000 lb/yd³)
- ⊖ 1500 kg/m³ (2,500 lb/yd³)
- 1200 kg/m³ (2,000 lb/yd³)

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Standard Equipment

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

ENGINE

- C7.1 ACERT electronic control engine
- Meets U.S. EPA Tier 2, EU Stage II equivalent 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
- Fuel filtration system (primary ×1, twin main ×2)
- Up to 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
- Heavy lift mode

CAB

- Pressurized cab
- Air 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

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

ELECTRICAL

- Batteries (2 – 900 CCA)
- Capability to connect a beacon

LIGHTS

- Working light, storage box mounted
- Interior lighting
- Cab mounted working lights
- Right mounted boom light for reach boom

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
- Battery disconnect switch
- Cap locks on fuel and hydraulic tanks
- Lockable tool box

COUNTERWEIGHT

- 5860 kg (12,920 lb) counterweight

330D2 L Optional Equipment

Optional Equipment

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

ENGINE

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

HYDRAULIC SYSTEM

- Boom and stick high pressure lines
- Boom and stick QC lines
- Tool control system
- Hammer circuit, foot pedal operated

CAB

- 12V-10A power supply
- 12V Radio Ready
- Travel alarm
- Falling Objects Guarding System (FOGS)
- Rearview camera and mirrors
- Control pattern quick-changer

UNDERCARRIAGE AND GUARDS

- 600 mm (24 in) double grouser shoes
- 600 mm (24 in) triple grouser shoes
- 700 mm (28 in) triple grouser shoes
- 800 mm (31 in) triple grouser shoes
- Segmented track guiding guard (three pieces)
- Full length track guiding guard
- HD guard package
 - (HD) bottom
 - (HD) travel motor
 - Swivel guard

FRONT LINKAGE

- Heavy Duty 6.15 m (20'2") reach boom with left side light
 - R3.2CB2 (10'6") HD stick
 - R2.65CB2 (8'8") HD stick
- Mass boom 5.55 m (18'2") with left side light
 - M2.5 DB (8'2") stick
 - Bucket linkage with lifting eye

TECHNOLOGY

- Product Link

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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