

# 329E

## Hydraulic Excavator



### Engine

Engine Model	Cat® C7.1 ACERT™	
Net Power – SAE J1349/ISO 9249	170 kW	228 hp

### Drive

Maximum Travel Speed	5.1 km/h	3.2 mph
Maximum Drawbar Pull	249 kN	55,977 lbf

### Weight

Minimum Operating Weight	29 057 kg	64,060 lb
Maximum Operating Weight	31 279 kg	68,958 lb

## Introduction

Since its introduction in the 1990s, the 300 Series family of excavators has become the industry standard in general, quarry, and heavy construction applications. The all-new E Series and the 329E will continue that trend-setting standard.

The 329E meets today's U.S. emission standards. It is also built with several new fuel-saving and comfort-enabling features and benefits that will delight owners and operators.

If you are looking for more productivity and comfort, less fuel consumption and emissions, and easier and more sensible serviceability, you will find it in the all-new 329E and the E Series family of excavators.



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# Engine

Reduced emissions, economical and reliable performance

## Cat C7.1 ACERT Engine

The Cat C7.1 ACERT engine delivers more horsepower using less fuel than the previous series engine.

### Emissions Solution

The C7.1 ACERT engine is equipped to meet U.S. Tier 4 Interim emission standards. Driven by customer input, Caterpillar's aftertreatment regeneration solution ensures the machine works with no operator intervention needed.

The machine comes with two modes of regeneration: automatic and manual.

In automatic mode, the machine starts the regeneration process once the filtering system reaches a certain level and conditions are optimal. The system will not interrupt the work process and can regenerate during machine operation.

Manual mode enables the operator to override the automatic mode. With a touch of a button inside the cab, this mode allows the operator to move the machine from flammable or heat-restricted areas before initiating the regeneration process.

### Biodiesel-Ready Fuel System

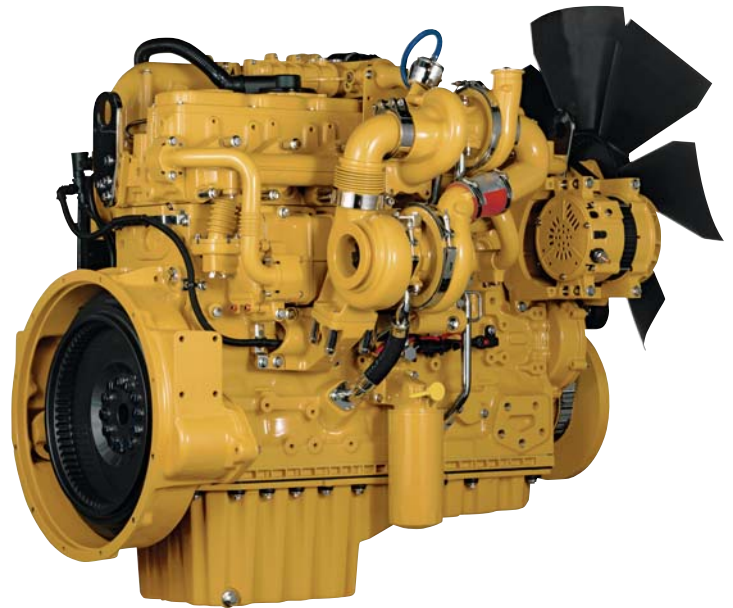
The C7.1 ACERT engine is equipped with an electronic-controlled high-pressure fuel system that includes an electric priming pump and three-layer fuel hose to allow the use of biodiesel (meeting ASTM 6751 or EN 14214) up to B20 (biodiesel 20% mixture).

### Cooling System

The cooling system features side-by-side-mounted hydraulic oil cooler and engine radiator with a tilt-out condenser and air-to-air aftercooler for easy cleaning. The fan automatically adjusts to ambient temperatures to help reduce fuel consumption and noise.

### Speed and Power Control

The E Series features speed control to maintain a constant speed – regardless of load – to improve fuel economy. Three different power modes are offered: high power, standard power, and economy power. The operator can easily change between modes through the monitor or console switch to meet the needs for the job at hand – all to help manage and conserve fuel.



# Operator Station

Comfort and convenience to keep people productive



## Seats

The seat range includes air suspension, heated, and air cooled options. Each option includes a reclining back, upper and lower seat slide adjustments, and height and tilt angle adjustments to meet operator needs for comfort and productivity.

## Controls

The right and left joystick consoles can be adjusted to meet individual preferences, improving operator comfort and productivity during the course of a day. With the touch of the button, one-touch idle reduces engine speed to help save fuel; touch it again or move the joystick and the machine returns to normal operating level. The heavy lift mode increases machine system pressure to improve lift – a nice benefit in certain situations. Heavy lift mode also reduces engine speed and pump flow in order to improve controllability.

## Monitor

The 329E is equipped with a new LCD (Liquid Crystal Display) monitor that's 40% bigger and has higher resolution than the previous model's monitor. In addition to an improved keypad and added functionality, it's programmable to provide information in a choice of 42 languages to support today's diverse workforce.

An "Engine Shutdown Setting" accessible through the monitor allows owners and operators to specify how long the machine should idle before shutting down the engine, which can save significant amounts of fuel.

The image of the rearview camera is displayed directly on the monitor. Up to two different camera images can be displayed on the screen at the same time.

## MP3-Ready Radio and Power Supply

The standard radio is equipped with a new auxiliary audio port for MP3 players. Two 12-volt power supply sockets are located near key storage areas for charging electronic devices.

## Storage

Storage spaces are located in the front, rear, and side consoles. Space near the auxiliary power supply holds MP3 players and cell phones. The drink holder accommodates large mugs with handles, and a shelf behind the seat stores large lunch or toolboxes.

## Automatic Climate Control

The climate control system features five air outlets with positive filtered ventilation, which makes working in the heat and cold much more pleasant for operators.



# Hydraulics

Power to move more dirt, rock, and debris with speed and precision

## **Hydraulic Horsepower**

Hydraulic horsepower is the actual machine power available to do work through implements and work tools. It's much more than just the engine power under the hood – it's a core strength that differentiates Cat machines from other brands.

## **Main Control Valve and Auxiliary Valves**

The 329E uses a high-pressure system to tackle the toughest of work in short order. The machine features a simple, highly efficient back-to-back main control valve to improve fuel consumption and reliability. Also, shortened spool lengths and a built-in drift reduction valve have been added for greater controllability.

## **Return Filter**

The return filter is a capsule-type design with a cartridge inside. The Cat cartridge features a handle to help remove and change oil without spillage or contamination. A sensor attached to the filter warns the operator if it is full or exceeds a certain pressure level.

## **Swing Priority Circuit**

The swing priority circuit on the 329E uses an electric valve that's operated by the machine's Electronic Control Module (ECM). Compared to using a hydraulic valve, an electric valve allows for more finely tuned control, which is critical during material loading.

## **Electric Boom Regeneration Valve**

An electric boom regeneration valve minimizes pump flow when the boom lowers down, which helps improve fuel efficiency. This unique Cat feature is optimized for any dial speed setting being used by the operator, which results in less pressure loss for higher controllability and more productivity with lower operating costs.

## **Stick Regeneration Circuit**

The 329E regenerates the flow of oil from the rod end to the head end of the stick cylinder during low-load, stick-in operation – an approach that saves energy and expense.



# Structures & Undercarriage

Built to work in rugged environments

## Frame

The upper frame (1) includes new reinforced mountings to support the Roll-Over Protective Structure (ROPS) cab; the lower frame is reinforced to increase component durability.

## Undercarriage

Fixed long undercarriage systems are available to support various work applications.

Heavy-duty track rollers, precision-forged carrier rollers (2), press-fit pin master joints, and enhanced track shoe bolts improve durability and reduce the risk of machine downtime and the need and cost to replace components.

A segmented three-piece guiding guard is now offered to help maintain track alignment and improve performance in multiple applications.

A redesigned motor housing prevents mud packing and debris buildup around seals.

## Counterweights

Two counterweights (3) are available: 5.8 mt (6.3 t) and 6.75 mt (7.4 t) options. The counterweight removal system comes with new integrated links that enable easy removal for maintenance or shipping.

# Front Linkage

Made for high stress and long service life

## Booms and Sticks

The 329E is offered with a range of booms and sticks (see list below). Each is built with internal baffle plates for added durability, and each undergoes ultrasound inspection to ensure weld quality and reliability.

Large box-section structures with thick, multi-plate fabrications, castings, and forgings are used in high-stress areas such as the boom nose, boom foot, boom cylinder, and stick foot to improve durability.

The boom nose pin retention method is a durable captured flag design. Boom durability is improved with a number of plate thickness changes. Also, the front linkage pins' inner bearing surfaces are welded, and a self-lubricated bearing is used to extend service intervals and increase uptime.

## Selections

There are three basic boom options: HD, SLR, and ME. Sticks match the boom descriptions and applications below:

### HD = Heavy Duty

This type of boom is best used for reach applications where conditions are optimal such as excavating basements, trenching for utility lines, and sewer applications.

### SLR = Super Long Reach

This configuration offers reaches to 60 feet. It is well suited for ditch cleaning applications.

### ME = Mass Excavation

Mass is best used for quarry, high-volume loading, and other demanding applications. Mass fronts provide higher digging forces due to the geometry of the boom and stick relationship. Bucket linkage and cylinders are also built for greater durability.



# Work Tools

You can dig, hammer, rip, and cut with confidence.



## **Couplers: Quick Tool Changes**

Imagine the productivity you'll achieve with a quick coupler. Combine a robust coupler with a common work tool inventory that can be shared between same size machines and you'll get performance and flexibility on every job. The Cat Center-Lock™ pin grabber coupler features a patented locking system and highly visible lock. You can clearly see when the coupler is engaged or disengaged from the attachment.

## **Work Tools: Cut, Crush, Pulverize and Load**

No matter your specialty, Caterpillar provides tools that are perfectly matched to get the most out of your Cat machine – quickly and efficiently. Auxiliary hydraulic circuits are available to integrate any Cat work tool with your 329E.

## **Buckets: Dig, Move, Load**

Cat buckets are designed to fill efficiently so you notice a fast, smooth cycle, which means high productivity each time you dig. Wear characteristics of general-duty, heavy-duty, and severe-duty buckets give you solid performance in a wide variety of material abrasions. Ditch cleaning and other specialty buckets are available when needed.



**GRAB, SORT, LOAD**



**Pro Series Hydraulic Thumbs**



**Stiff Link Thumbs**



**Demolition & Sorting Grapple**



**Contractors' Grapples**



**Trash Grapples**

**SWAP TOOLS**



**Center-Lock Pin Grabber Coupler**

**DIG & PACK**



**Ditch Cleaning and Tilt Buckets**



**General Duty Buckets**



**Heavy Duty Buckets**



**Severe Duty Buckets**



**Extreme Duty Buckets**



**Vibratory Plate Compactors**

**CUT, CRUSH, BREAK & RIP**



**Multi-Processors**



**Scrap & Demolition Shears**



**Secondary Pulverizers**



**Hydraulic Hammers**



**Rippers**



# Integrated Technologies

Solutions that make work easier and more efficient

## Cat Grade Control Depth and Slope

This optional system combines traditional machine control and guidance with standard factory-installed and calibrated components, making the system ready to go to work the moment it leaves the factory. The system utilizes internal front linkage sensors – well protected from the harsh working environment – to give operators real-time bucket tip position information through the cab monitor (1), which minimizes the need and cost for traditional grade checking and improves job site safety. It also helps the operator complete jobs in fewer cycles, which means less fuel use. Cat dealers can upgrade the system to full three-dimensional control by adding proven Cat AccuGrade™ positioning technologies, including GPS and Universal Total Station (UTS).

## Cat Product Link™\*

This deeply integrated machine monitoring system (2 and 3) is designed to help customers improve their overall fleet management effectiveness. Events and diagnostic codes as well as hours, fuel consumption, idle time, machine location, and other detailed information are transmitted to a secure web based application called VisionLink®, which uses powerful tools to communicate to users and dealers.

*\*Product Link licensing not available in all areas. Please consult your Cat dealer for availability.*



# Serviceability

Fast, easy and safe access built in

## Service Doors

Wide service doors (1) and a new hood design (2) provide easy access to the engine and cooling compartments. Both doors and hood feature enhanced hardware and a new screen design to help minimize debris entry.

## Compartments

The radiator, pump, and air cleaner (3) compartments provide easy access to major components. The fresh air filter (4) is located on the side of the cab to make it easier to reach and replace as needed.

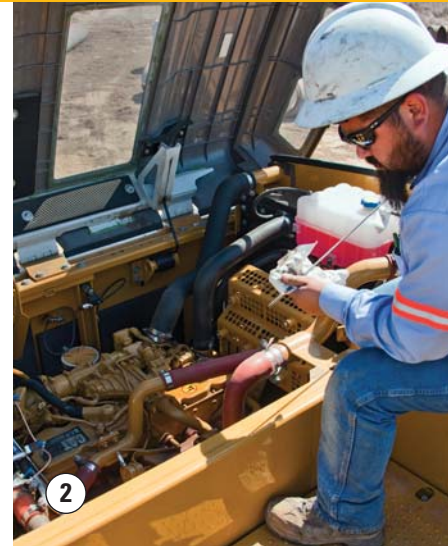
## Other Service Improvements

The water separator with water level sensor has a primary fuel filter element located in the pump compartment near ground level; the electric priming pump is mounted on the primary filter base and is easier to service than traditional hand-priming pumps.

The fuel tank features a remote drain cock located in the pump compartment to make it easy to remove water and sediment during maintenance.

The engine oil check gauge and oil filter are situated in front of the engine compartment for easy access, and a uniquely designed drain cock helps prevent spills.

An optional QuickEvac™ system makes changing engine and hydraulic oil easy to complete in minutes rather than hours.



# Safety

Features to help protect people



## ROPS Cab

The ROPS-certified cab (1) allows a Falling Object Guard Structure (FOGS) to be bolted directly to it to help protect operators.

## Sound Proofing

Improved sealing and roof lining lower noise levels inside the cab significantly during machine operation.

## Anti-Skid Plates

The surface of the upper structure and the top of the storage box area are covered with anti-skid plates to help prevent service personnel and operators from slipping during maintenance.

## Steps, Hand and Guard Rails

Steps on the track frame and storage box (2) along with extended hand and guard rails (3) to the upper deck enable operators to more securely work on the machine.



## Time Delay Cab and Boom Lights

For a predetermined amount of time after the engine start key has been turned to the “OFF” position, lights will be illuminated to enhance visibility. The time delay can vary from 0 to 90 seconds, which can be set through the monitor.

## High Intensity Discharge (HID) Lights

Cab lights operate on a time delay for enhanced safety; lights can be upgraded to HID for greater night time visibility.

## Visibility – Windows

Increased glass coverage enhances visibility while meeting the latest ROPS regulations.

The 70/30 split configuration features an upper window equipped with handles on the top and both sides so the operator can easily slide it to store in the ceiling. The lower window is removable and can be stored on the left wall of the cab shell.

The large skylight provides enhanced overhead visibility, excellent natural lighting, and good ventilation. The skylight can be opened completely to become an emergency exit.

## Monitor Warning System

The monitor is equipped with a buzzer that can warn operators of critical events like “Engine Oil Pressure Decrease,” “Coolant Temperature High,” or “Hydraulic Oil Temperature High” so they can take any necessary action.



## Rearview Camera

An optional rearview camera (4) housed in the counterweight area is available as an attachment. The image projects through the cab monitor to give the operator a clear picture of what’s behind the machine.



# Complete Customer Care

Service you can count on

## **Product Support**

Cat dealers utilize a worldwide parts network to maximize your machines' uptime. Plus they can help you save money with Cat remanufactured components.

## **Machine Selection**

What are the job requirements and machine attachments? What production is needed? Your Cat dealer can provide recommendations to help you make the right machine choices.

## **Purchase**

Consider financing options and day-to-day operating costs. Look at dealer services that can be included in the machine's cost to yield lower owning and operating costs over time.

## **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**

Improving operating techniques can boost your profits. Your Cat dealer has videos, literature, and other ideas to help you 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.



# Sustainability

Generations ahead in every way

- The C7.1 ACERT engine, along with the Cat Clean Emissions Module (CEM), meets U.S. Tier 4 Interim emission standards.
- The 329E performs the same amount of work while burning 3% less fuel than the previous D Series model, which means more efficiency, less resources consumed, and fewer CO<sub>2</sub> emissions.
- The 329E has the flexibility of running on either ultra-low-sulfur diesel (ULSD) fuel with 15 ppm of sulfur or less or biodiesel (B20) fuel blended with ULSD.
- A ground-level overfill indicator rises when the tank is full to help the operator avoid spilling.
- The QuickEvac option ensures fast, easy, and secure changing of engine and hydraulic oil.
- The 329E is built to be rebuilt with major structures and components capable of being remanufactured to reduce waste and replacement costs.
- An eco-friendly engine oil filter eliminates the need for painted metal cans and aluminum top plates. The cartridge-style spin-on housing enables the internal filter to be separated and replaced; the used internal element can be incinerated to help reduce waste.
- The 329E is an efficient, productive machine that's designed to conserve our natural resources for generations ahead.

# 329E Hydraulic Excavator Specifications

## Engine

Engine Model	Cat C7.1 ACERT	
Net Power – SAE J1349/ISO 9249	170 kW	228 hp
Gross Power – SAE J1995	180 kW	241 hp
Bore	105 mm	4.13 in
Stroke	135 mm	5.31 in
Displacement	7.01 L	428 in <sup>3</sup>

## Weights

Minimum Operating Weight*	29 057 kg	64,060 lb
Maximum Operating Weight**	31 279 kg	68,958 lb

\*6.15 m (20'2") reach boom, R2.65CB2 (8'8") stick, 5.8 mt (6.3 t) counterweight, 1.33 m<sup>3</sup> (1.74 yd<sup>3</sup>) bucket, 700 mm (28") TG shoes.  
 \*\*SLR boom, 7.85 m (25'9") stick, 6.75 mt (7.4 t) counterweight, 0.6 m<sup>3</sup> (0.78 yd<sup>3</sup>) bucket, 800 mm (32") shoes.

## Hydraulic System

Main System – Maximum Flow (Total)	494 L/min	130 gal/min
Maximum Pressure – Equipment Heavy Lift	38 000 kPa	5,511 psi
Maximum Pressure – Equipment Normal	35 000 kPa	5,076 psi
Maximum Pressure – Travel	35 000 kPa	5,076 psi
Maximum Pressure – Swing	27 503 kPa	3,989 psi
Pilot System – Maximum Flow	23.1 L/min	6.1 gal/min
Pilot System – Maximum Pressure	3920 kPa	569 psi
Boom Cylinder – Bore	140 mm	6 in
Boom Cylinder – Stroke	1407 mm	55 in
Stick Cylinder – Bore	150 mm	6 in
Stick Cylinder – Stroke	1646 mm	65 in
DB Bucket Cylinder – Bore	135 mm	5 in
DB Bucket Cylinder – Stroke	1156 mm	46 in
TB Bucket Cylinder – Bore	150 mm	6 in
TB Bucket Cylinder – Stroke	1151 mm	45 in

## Drive

Maximum Travel Speed	5.1 km/h	3.2 mph
Maximum Drawbar Pull	249 kN	55,977 lbf

## Swing Mechanism

Swing Speed	9.8 rpm	
Swing Torque	82.2 kN·m	60,628 lb ft

## Service Refill Capacities

Fuel Tank Capacity	520 L	137.37 gal
Cooling System	44 L	11.62 gal
Engine Oil (with filter)	22.5 L	5.94 gal
Swing Drive (each)	10 L	2.64 gal
Final Drive (each)	6 L	1.59 gal
Hydraulic System (including tank)	310 L	81.89 gal
Hydraulic Tank	155 L	40.95 gal

## Track

Number of Shoes (each side)	
Long Undercarriage	50
Number of Track Rollers (each side)	
Long Undercarriage	9
Number of Carrier Rollers (each side)	
Long Undercarriage	2

## Sound Performance

ISO 6396	
Operator Noise (Closed)	72 dB(A)
Operator Noise (Open)	77 dB(A)
ISO 6395	
Spectator Noise	105 dB(A)

- When properly installed and maintained, the cab offered by Caterpillar, when tested with doors and windows closed according to ANSI/SAE J1166 OCT98, 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 noisy environment.

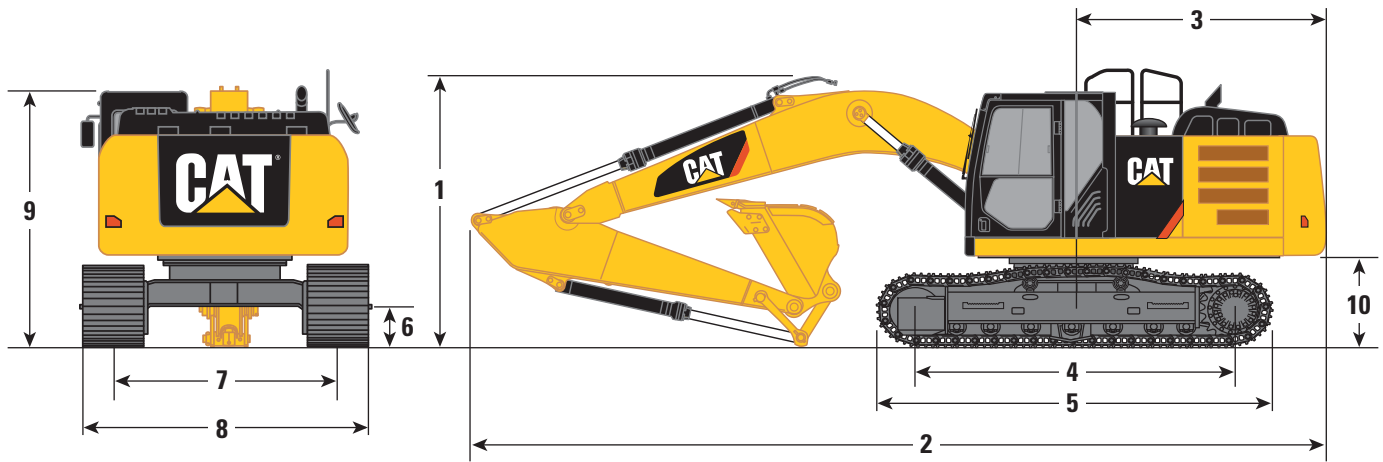
## Standards

Brakes	ISO 10265 2008
Cab/FOGS	ISO 10262 1998

# 329E Hydraulic Excavator Specifications

## Dimensions

All dimensions are approximate.



Stick	HD Reach Booms 6.15 m (20'2")			Mass Boom 5.55 m (18'3")	Super Long Reach Boom 10.2 m (33'6")
	R3.75CB2 (12'4")	R3.2CB2 (10'6")	R2.65CB2 (8'8")	M2.5DB (8'2")	Super Long Reach 7.85 m (25'9")
	mm (ft)	mm (ft)	mm (ft)	mm (ft)	mm (ft)
<b>1</b> Shipping Height*	3676 (12'1")	3372 (11'1")	3450 (11'4")	3520 (11'7")	3229 (10'7")
Shipping Height with Guard Rail	3328 (10'11")	3328 (10'11")	3328 (10'11")	3328 (10'11")	3328 (10'11")
<b>2</b> Shipping Length	10 386 (34'1")	10 386 (34'1")	10 400 (34'1")	9830 (32'3")	14 443 (47'5")
<b>3</b> Tail Swing Radius	3044 (10'0")	3044 (10'0")	3044 (10'0")	3044 (10'0")	3044 (10'0")
<b>4</b> Length to Center of Rollers					
Long Undercarriage	3994 (13'1")	3994 (13'1")	3994 (13'1")	3994 (13'1")	3994 (13'1")
<b>5</b> Track Length					
Long Undercarriage	4860 (15'11")	4860 (15'11")	4860 (15'11")	4860 (15'11")	4860 (15'11")
<b>6</b> Ground Clearance					
Long Undercarriage	490 (1'7")	490 (1'7")	490 (1'7")	490 (1'7")	490 (1'7")
<b>7</b> Track Gauge					
Long Undercarriage	2590 (8'6")	2590 (8'6")	2590 (8'6")	2590 (8'6")	2590 (8'6")
<b>8</b> Transport Width					
Long Undercarriage – 700 mm (28") Shoes	3290 (10'10")	3290 (10'10")	3290 (10'10")	3290 (10'10")	3290 (10'10")
Long Undercarriage – 800 mm (32") Shoes	3390 (11'1")	3390 (11'1")	3390 (11'1")	3390 (11'1")	3390 (11'1")
<b>9</b> Cab Height	3044 (10'8")	3044 (10'8")	3044 (10'8")	3044 (10'8")	3044 (10'8")
Cab Height with Top Guard	3240 (10'8")	3240 (10'8")	3240 (10'8")	3240 (10'8")	3240 (10'8")
<b>10</b> Counterweight Clearance**	1134 (3'9")	1134 (3'9")	1134 (3'9")	1134 (3'9")	1134 (3'9")

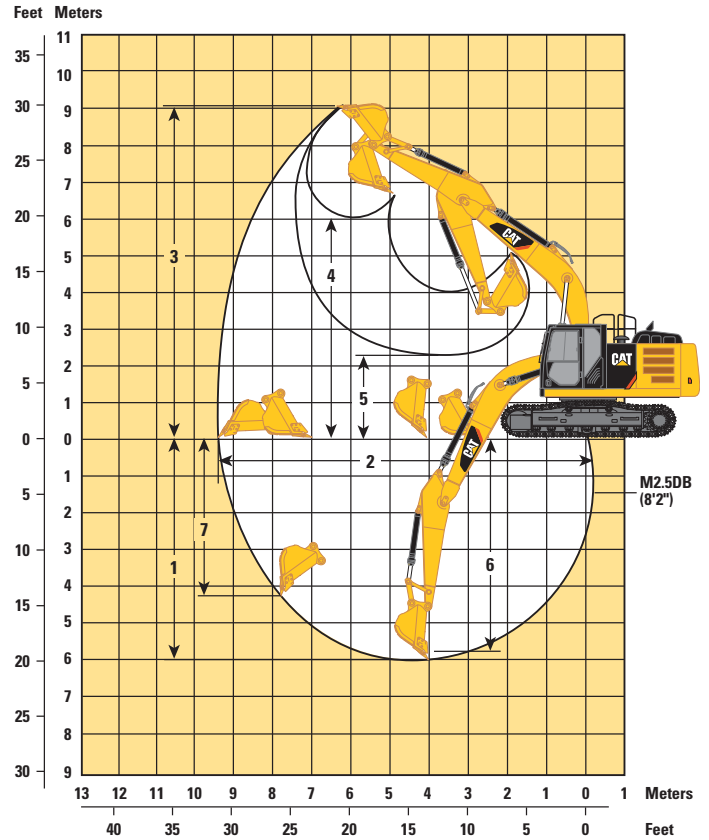
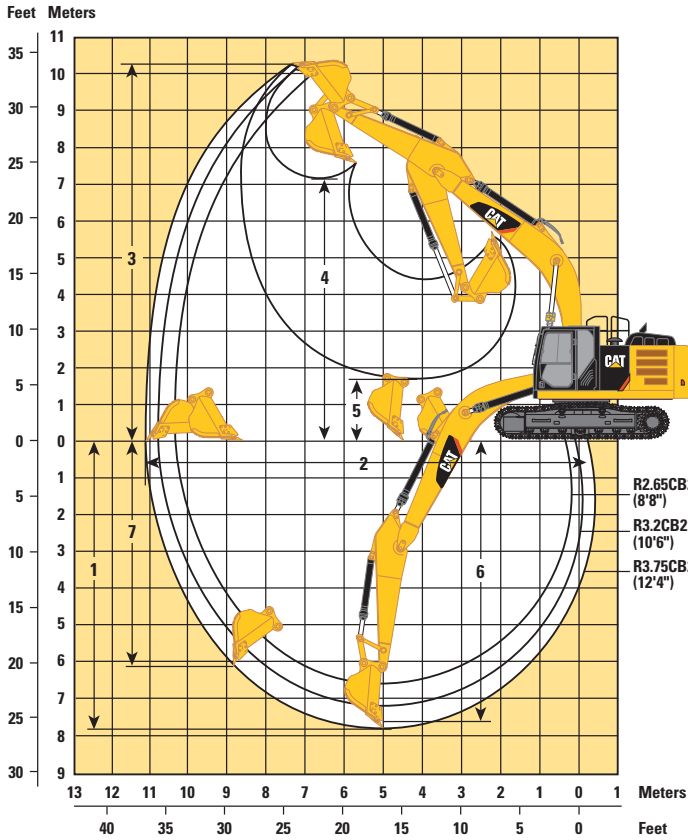
\*Including shoe lug height.

\*\*Without shoe lug height.



## Working Ranges

All dimensions are approximate.



### HD Reach Booms 6.15 m (20'2")

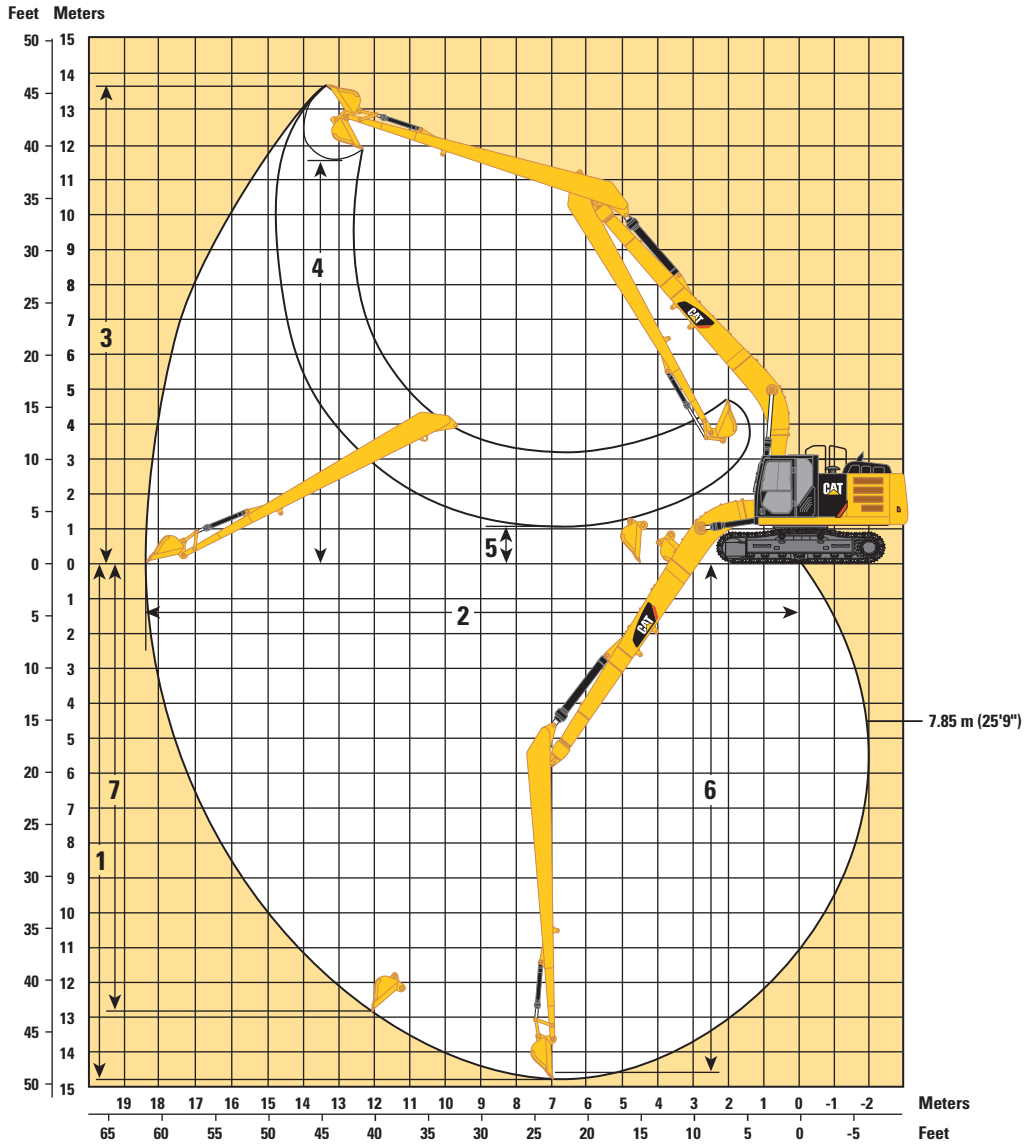
### Mass Boom 5.55 m (18'3")

Stick	R3.75CB2 (12'4")	R3.2CB2 (10'6")	R2.65CB2 (8'8")	M2.5DB (8'2")
	mm (ft)	mm (ft)	mm (ft)	mm (ft)
1 Maximum Digging Depth	7800 (25'6")	7250 (23'9")	6700 (22'0")	6100 (20'0")
2 Maximum Reach at Ground Level	11 180 (36'7")	10 680 (35'0")	10 200 (33'6")	9430 (30'11")
3 Maximum Cutting Height	10 190 (33'4")	10 010 (32'10")	9900 (32'6")	9130 (29'11")
4 Maximum Loading Height	7140 (23'4")	6950 (22'10")	6800 (22'4")	6000 (19'8")
5 Minimum Loading Height	1740 (5'7")	2290 (7'6")	2840 (9'4")	2470 (8'1")
6 Maximum Depth Cut for 2440 mm (8'0") Level Bottom	7660 (25'1")	7090 (23'3")	6520 (21'5")	5910 (19'5")
7 Maximum Vertical Wall Digging Depth	6130 (20'1")	5980 (19'7")	5680 (18'8")	4250 (13'11")

# 329E Hydraulic Excavator Specifications

## Working Ranges

All dimensions are approximate.



**Super Long Reach Boom**  
10.2 m (33'6")

**Super Long Reach Stick**  
7.85 m (25'9")

mm (ft)

<b>1</b> Maximum Digging Depth	14 750 (48'5")
<b>2</b> Maximum Reach at Ground Level	18 420 (60'5")
<b>3</b> Maximum Cutting Height	13 620 (44'8")
<b>4</b> Maximum Loading Height	11 420 (37'6")
<b>5</b> Minimum Loading Height	1170 (3'10")
<b>6</b> Maximum Depth Cut for 2440 mm (8'0") Level Bottom	14 650 (48'1")
<b>7</b> Maximum Vertical Wall Digging Depth	12 690 (41'8")

## Operating Weight and Ground Pressure

	800 mm (32") Triple Grouser Shoes		700 mm (28") Triple Grouser Shoes	
	kg (lb)	kPa (psi)	kg (lb)	kPa (psi)
<b>Long Undercarriage</b>				
HD Reach Boom – 6.15 m (20'2")				
R3.75CB2 HD (12'4")	30 560 (67,373)	43.6 (6.32)	29 921 (65,976)	48.8 (7.08)
R3.2CB2 HD (10'6")	29 827 (65,757)	45.8 (6.64)	29 207 (64,390)	51.2 (7.43)
R2.65CB2 HD (8'8")	29 677 (65,427)	45.5 (6.60)	29 057 (64,060)	51.0 (7.40)
Mass Boom – 5.55 m (18'3")				
M2.5DB (8'2")	30 117 (66,397)	46.2 (6.70)	29 497 (65,030)	51.7 (7.50)
Super Long Reach Boom – 10.2 m (33'6")				
Super Long Reach – 7.85 m (25'9")	31 279 (68,958)	48.0 (6.96)	30 659 (67,591)	53.8 (7.80)

## Major Component Weights

	kg	lb
Base Machine (with boom cylinder, without counterweight, front linkage and track)		
Long Undercarriage	15 500	34,180
Counterweight		
5.8 mt (6.3 t)	5810	12,810
6.75 mt (7.4 t) SLR model	6750	14,880
Boom (includes lines, pins and stick cylinder)		
HD Reach Boom – 6.15 m (20'2")	1950	4,300
Mass Boom – 5.55 m (18'3")	2020	4,450
Super Long Reach – 10.2 m (33'6")	2800	6,170
Stick (includes lines, pins and bucket cylinder)		
R3.75CB2 (12'4") HD	1160	2,558
R3.2CB2 (10'6") HD	980	2,160
R2.65CB2 (8'8") HD	830	1,830
M2.5DB (8'2")	1020	2,250
Super Long Reach	1400	3,090
Track Shoes (Long/per two tracks)		
700 mm (28") Triple Grouser	3920	8,640
700 mm (28") Triple Grouser Heavy Duty	4280	9,440
800 mm (32") Triple Grouser	4540	10,020
Buckets		
CB1 1200HD – 1.33 m <sup>3</sup> (1.74 yd <sup>3</sup> )	1047	2,309
CB1 1350HD – 1.54 m <sup>3</sup> (2.01 yd <sup>3</sup> )	1096	2,416
DB 1500GD – 1.87 m <sup>3</sup> (2.45 yd <sup>3</sup> )	1227	2,705
A 1145DC – 0.6 m <sup>3</sup> (0.78 yd <sup>3</sup> )	288.9	637

All weights are rounded up to nearest 10 kg and lb except for buckets. Kg and lb were rounded up separately so some of the kg and lb do not match.

Base machine includes 75 kg (165 lb) operator weight, 90% fuel weight, and undercarriage with center guard.

700 mm (28") triple grouser heavy duty track shoe is not used in the calculation for operating weight and ground pressure.

# 329E Hydraulic Excavator Specifications

## Bucket and Stick Forces

Stick	HD Reach Booms 6.15 m (20'2")			Mass Boom 5.55 m (18'3")	Super Long Reach Boom 10.2 m (33'6")
	CB-Family Bucket			DB-Family Bucket	A-Family Bucket
	R3.75CB2 (12'4")	R3.2CB2 (10'6")	R2.65CB2 (8'8")	M2.5DB (8'2")	Super Long Reach 7.85 m (25'9")
	kN (lbf)	kN (lbf)	kN (lbf)	kN (lbf)	kN (lbf)
General Duty					
Bucket Digging Force (SAE)	–	149 (33,487)	149 (33,497)	188 (42,300)	–
Stick Digging Force (SAE)	–	119 (26,752)	136 (30,574)	148 (33,300)	–
Heavy Duty					
Bucket Digging Force (SAE)	158 (35,519)	147 (33,046)	147 (33,046)	185 (41,600)	–
Stick Digging Force (SAE)	111 (124,953)	119 (26,752)	135 (30,349)	147 (33,000)	–
Severe Duty					
Bucket Digging Force (SAE)	–	158 (35,500)	158 (35,500)	–	–
Stick Digging Force (SAE)	–	123 (27,700)	140 (31,500)	–	–

## HD Reach Boom Lift Capacities



Load Point Height



Load at Maximum Reach



Load Radius Over Front



Load Radius Over Side

**Boom** – 6.15 m (20'2")

**Counterweight** – 5.8 mt (6.3 t)

**Bucket** – None

**Stick** – R3.75CB2 (12'4")

**Shoes** – 800 mm (32") triple grouser with step

**Heavy Lift Mode** – On

 7.5 m 25.0 ft kg lb	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				
	 kg lb	 kg lb	 kg lb	 kg lb	 kg lb	 kg lb	 kg lb	 kg lb	 kg lb	 kg lb	 kg lb	 kg lb	 kg lb	 kg lb			
										*5950 *11,950	*5950 *11,950			*4750 *10,500	*4750 *10,500	7.89 25.60	
										*7150 *15,550	6150 13,250			*4550 *10,050	*4550 *10,050	8.78 28.64	
								*18,100	*18,100	*7700 *16,800	6000 12,950	*6000 *11,850	4500 9,600	*4550 *9,950	4200 9,300	9.34 30.57	
					*12 800 *27,500	12 450 26,800	*9950 *21,500	8100 17,400	*8550 *18,550	5800 12,500	6750 14,500	4400 9,400	*4650 *10,200	3950 8,650	9.63 31.58		
					*15 850 *34,150	11 600 24,950	*11 550 *25,000	7650 16,500	8750 18,750	5600 12,000	6650 14,250	4300 9,200	*4900 *10,800	3850 8,450	9.68 31.77		
					*6500 *14,900	*6500 *14,900	*17 650 *38,150	11 100 23,900	11 950 25,700	7350 15,850	8550 18,350	5400 11,650	6500 14,050	4200 9,000	*5350 *11,800	3900 8,550	9.50 31.15
		*6400 *14,250	*6400 *14,250	*10 250 *23,200	*10 250 *23,200	*18 100 *39,250	10 900 23,450	11 750 25,300	7200 15,500	8400 18,100	5300 11,400	6500	4150	*6150 *13,550	4100 9,050	9.06 29.68	
		*10 650 *23,850	*10 650 *23,850	*15 300 *34,750	*15 300 *34,750	*17 450 *37,800	10 900 23,500	11 750 25,250	7200 15,400	8400 18,100	5300 11,400			7300 16,100	4650 10,250	8.32 27.20	
		*15 850	*15 850	*21 850 *47,050	*21 850 *47,050	*15 550 *33,450	11 100 23,850	*11 650 *24,900	7300 15,700					*9000 *19,850	5750 12,800	7.20 23.41	
						*11 350 *23,650	*11 350 *23,650							*8850 *21,350	8700 *21,350	5.45 16.32	

**Boom** – 6.15 m (20'2")

**Counterweight** – 5.8 mt (6.3 t)

**Bucket** – None

**Stick** – R3.75CB2 (12'4")

**Shoes** – 700 mm (28") triple grouser

**Heavy Lift Mode** – On

 7.5 m 25.0 ft kg lb	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				
	 kg lb	 kg lb	 kg lb	 kg lb	 kg lb	 kg lb	 kg lb	 kg lb	 kg lb	 kg lb	 kg lb	 kg lb	 kg lb	 kg lb			
										*5950 *11,950	*5950 *11,950			*4750 *10,500	*4750 *10,500	7.89 25.60	
										*7150 *15,550	6050 13,000			*4550 *10,050	*4550 *10,050	8.78 28.64	
								*18,100	18,000	*7700 *16,800	5900 12,700	*6000 *11,850	4400 9,450	*4550 *9,950	4150 9,100	9.34 30.57	
					*12 800 *27,500	12 200 26,350	*9950 *21,500	7950 17,100	*8550 *18,550	5700 12,250	6600 14,200	4300 9,250	*4650 *10,200	3850 8,500	9.63 31.58		
					*15 850 *34,150	11 400 24,500	*11 550 *25,000	7550 16,200	8550 18,400	5500 11,800	6500 13,950	4200 9,000	*4900 *10,800	3750 8,250	9.68 31.77		
					*6500 *14,900	*6500 *14,900	*17 650 *38,150	10 900 23,450	11 750 25,200	7250 15,550	8350 17,950	5300 11,400	6400 13,750	4100 8,800	*5350 *11,800	3800 8,350	9.50 31.15
		*6400 *14,250	*6400 *14,250	*10 250 *23,200	*10 250 *23,200	*18 100 *39,250	10 700 23,000	11 550 24,800	7050 15,200	8250 17,750	5200 11,200	6350	4050	*6150 *13,550	4050 8,900	9.06 29.68	
		*10 650 *23,850	*10 650 *23,850	*15 300 *34,750	*15 300 *34,750	*17 450 *37,800	10 700 23,050	11 500 24,700	7050 15,150	8250 17,750	5200 11,200			7150 15,800	4550 10,050	8.32 27.20	
		*15 850	*15 850	*21 850 *47,050	21 800 46,700	*15 550 *33,450	10 900 23,400	*11 650 *24,900	7150 15,400					8900 *19,850	5600 12,550	7.20 23.41	
						*11 350 *23,650	*11 300 *23,650							*8850 *21,350	8550 *21,350	5.45 16.32	

\*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.

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

# 329E Hydraulic Excavator Specifications

## HD Reach Boom Lift Capacities



Load Point Height



Load at Maximum Reach



Load Radius Over Front



















Load Radius Over Side

**Boom** – 6.15 m (20'2")  
**Stick** – R3.2CB2 (10'6")

**Counterweight** – 5.8 mt (6.3 t)  
**Shoes** – 800 mm (32") triple grouser with step

















**Bucket** – None  
**Heavy Lift Mode** – On

		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 25.0 ft	kg lb													*5600 *12,400	*5600 *12,400	7.27 23.54
6.0 m 20.0 ft	kg lb									*7850 *16,700	6200 13,300			*5350 *11,750	5300 *11,750	8.23 26.83
4.5 m 15.0 ft	kg lb							*9200 *19,950	8500 18,350	*8350 *18,200	6100 13,050			*5300 *11,650	4700 10,350	8.82 28.88
3.0 m 10.0 ft	kg lb					*14 150 *30,450	12 400 26,700	*10 750 *23,250	8150 17,550	9050 19,400	5900 12,650	*6500 4500		*5450 *12,000	4400 9,650	9.13 29.95
1.5 m 5.0 ft	kg lb					*16 900 *36,450	11 650 25,100	*12 200 *26,400	7750 16,750	8800 18,950	5700 12,250	*6750 *13,700	4400 9,450	*5800 *12,700	4250 9,350	9.19 30.15
Ground Line	kg lb					*18 150 *39,300	11 300 24,300	12 100 26,000	7550 16,200	8650 18,600	5550 11,950			*6350 *14,000	4350 9,550	8.99 29.50
-1.5 m -5.0 ft	kg lb	*6750 *15,050	*6750 *15,050	*10 600 *24,050	*10 600 *24,050	*18 150 *39,350	11 200 24,100	11 950 25,700	7400 15,950	8600 18,450	5500 11,800			7200 15,800	4650 10,250	8.52 27.93
-3.0 m -10.0 ft	kg lb	*12 100 *27,150	*12 100 *27,150	*17 150 *38,900	*17 150 *38,900	*17 050 *36,900	11 250 24,250	12 000 25,750	7450 16,000	8600 18,600	5500 11,900			8250 18,300	5300 11,750	7.74 25.28
-4.5 m -15.0 ft	kg lb			*19 750 *42,500	*19 750 *42,500	*14 500 *31,150	11 500 24,750	*10 750 *22,750	7600 16,400					*9400 *20,700	6850 15,300	6.51 21.13

**Boom** – 6.15 m (20'2")  
**Stick** – R3.2CB2 (10'6")

**Counterweight** – 5.8 mt (6.3 t)  
**Shoes** – 700 mm (28") triple grouser

**Bucket** – None  
**Heavy Lift Mode** – On

		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 25.0 ft	kg lb													*5600 *12,400	*5600 *12,400	7.27 23.54
6.0 m 20.0 ft	kg lb									*7850 *16,700	6100 13,100			*5350 *11,750	5250 11,600	8.23 26.83
4.5 m 15.0 ft	kg lb							*9200 *19,950	8400 18,050	*8350 *18,200	5950 12,850			*5300 *11,650	4600 10,200	8.82 28.88
3.0 m 10.0 ft	kg lb					*14 150 *30,450	12 200 26,250	*10 750 *23,250	8000 17,250	8850 19,050	5800 12,450	*6500 4400		*5450 *12,000	4300 9,450	9.13 29.95
1.5 m 5.0 ft	kg lb					*16 900 *36,450	11 450 24,700	12 150 26,100	7650 16,450	8650 18,600	5600 12,050	*6600 *13,700	4300 9,250	*5800 *12,700	4200 9,200	9.19 30.15
Ground Line	kg lb					*18 150 *39,300	11 100 23,850	11 850 25,500	7400 15,900	8500 18,250	5450 11,700			*6350 *14,000	4250 9,350	8.99 29.50
-1.5 m -5.0 ft	kg lb	*6750 *15,050	*6750 *15,050	*10 600 *24,050	*10 600 *24,050	*18 150 *39,350	11 000 23,650	11 750 25,200	7250 15,650	8400 18,100	5400 11,600			7050 15,500	4550 10,050	8.52 27.93
-3.0 m -10.0 ft	kg lb	*12 100 *27,150	*12 100 *27,150	*17 150 *38,900	*17 150 *38,900	*17 050 *36,900	11 050 23,800	11 750 25,250	7300 15,700	8450 18,200	5400 11,700			8100 17,950	5200 11,550	7.74 25.28
-4.5 m -15.0 ft	kg lb			*19 750 *42,500	*19 750 *42,500	*14 500 *31,150	11 300 24,300	*10 750 *22,750	7450 16,100					*9400 *20,700	6700 15,000	6.51 21.13

\*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.

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

## HD Reach Boom Lift Capacities



Load Point Height



Load at Maximum Reach



Load Radius Over Front



Load Radius Over Side

**Boom** – 6.15 m (20'2")















**Counterweight** – 5.8 mt (6.3 t)

**Bucket** – None

**Stick** – R2.65CB2 (8'8")

**Shoes** – 800 mm (32") triple grouser with step

**Heavy Lift Mode** – On

	1.5 m/5.0 ft		3.0 m/10.0 ft		4.5 m/15.0 ft		6.0 m/20.0 ft		7.5 m/25.0 ft				m ft										
																							
7.5 m 25.0 ft	kg lb												*7350 *16,300	*7350 *16,300	6.67 21.52								
6.0 m 20.0 ft	kg lb												*8350 *15,750	6150 13,200	*6900 *15,250	5900 13,100	7.70 25.08						
4.5 m 15.0 ft	kg lb												*12 250 *26,350	*12 250 *26,350	*10 000 *21,700	8450 18,200	*8950 *19,550	6050 13,050	*6850 *15,050	5150 11,350	8.33 27.26		
3.0 m 10.0 ft	kg lb												*15 450 *33,250	12 200 26,300	*11 450 *24,800	8100 17,450	9050 19,400	5900 12,700	*7000 *15,400	4750 10,500	8.66 28.40		
1.5 m 5.0 ft	kg lb												*16 500 *38,400	11 600 25,000	12 350 26,600	7800 16,750	8850 19,000	5750 12,350	7100 15,600	4650 10,200	8.72 28.61		
Ground Line	kg lb												*17 550 *40,000	11 350 24,450	12 150 26,100	7600 16,350	8700 18,750	5600 12,100	7300 16,050	4750 10,450	8.51 27.92		
-1.5 m -5.0 ft	kg lb												*10 350 *23,600	*10 350 *23,600	*17 950 *38,950	11 350 24,400	12 050 25,950	7500 16,200	8700 18,700	5600 12,050	7950 17,500	5150 11,350	8.01 26.26
-3.0 m -10.0 ft	kg lb												*19 400 *44,200	*19 400 *44,200	*16 400 *35,450	11 450 24,700	12 150 26,100	7600 16,350			9350 20,750	6000 13,300	7.17 23.42
-4.5 m -15.0 ft	kg lb												*17 250	*17 250	*13 100 *27,900	11 750 25,350					*9550 *20,900	8150 18,400	5.83 18.85

**Boom** – 6.15 m (20'2")















**Counterweight** – 5.8 mt (6.3 t)

**Bucket** – None

**Stick** – R2.65CB2 (8'8")

**Shoes** – 700 mm (28") triple grouser

**Heavy Lift Mode** – On

	1.5 m/5.0 ft		3.0 m/10.0 ft		4.5 m/15.0 ft		6.0 m/20.0 ft		7.5 m/25.0 ft				m ft										
																							
7.5 m 25.0 ft	kg lb												*7350 *16,300	7300 *16,300	6.67 21.52								
6.0 m 20.0 ft	kg lb												*8350 *15,750	6050 12,950	*6900 *15,250	5800 12,900	7.70 25.08						
4.5 m 15.0 ft	kg lb												*12 250 *26,350	*12 250 *26,350	*10 000 *21,700	8300 17,900	*8950 *19,400	5950 12,800	*6850 *15,050	5050 11,150	8.33 27.26		
3.0 m 10.0 ft	kg lb												*15 450 *33,250	12 000 25,850	*11 450 *24,800	7950 17,150	8850 19,050	5800 12,450	*7000 *15,400	4700 10,300	8.66 28.40		
1.5 m 5.0 ft	kg lb												*16 500 *38,400	11 400 24,550	12 150 26,100	7650 16,450	8700 18,650	5650 12,100	6950 15,300	4550 10,050	8.72 28.61		
Ground Line	kg lb												*17 550 *40,000	11 150 24,000	11 900 25,600	7450 16,050	8550 18,400	5500 11,850	7150 15,750	4650 10,250	8.51 27.92		
-1.5 m -5.0 ft	kg lb												*10 350 *23,600	*10 350 *23,600	*17 950 *38,950	11 150 23,950	11 850 25,450	7400 15,900	8500 18,350	5500 11,800	7800 17,150	5050 11,100	8.01 26.26
-3.0 m -10.0 ft	kg lb												*19 400 *44,200	*19 400 *44,200	*16 400 *35,450	11 250 24,250	11 900 25,600	7450 16,050			9200 20,350	5900 13,100	7.17 23.42
-4.5 m -15.0 ft	kg lb												*17 250	*17 250	*13 100 *27,900	11 550 24,900					*9550 *20,900	8050 18,050	5.83 18.85

\*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.

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

# 329E Hydraulic Excavator Specifications

## Mass Boom Lift Capacities



Load Point Height



Load at Maximum Reach



Load Radius Over Front



Load Radius Over Side

**Boom** – 5.55 m (18'3")















**Counterweight** – 5.8 mt (6.3 t)

**Bucket** – None

**Stick** – M2.5DB (8'2")

**Shoes** – 800 mm (32") triple grouser with step

**Heavy Lift Mode** – On

	1.5 m/5.0 ft		3.0 m/10.0 ft		4.5 m/15.0 ft		6.0 m/20.0 ft		7.5 m/25.0 ft				m ft	
														
7.5 m 25.0 ft	kg lb											*8650 *19,250	*8650 *19,250	5.49 17.60
6.0 m 20.0 ft	kg lb						*9650 *21,200	8650 18,550				*8050 *17,750	7150 16,050	6.71 21.82
4.5 m 15.0 ft	kg lb				*12 250 *26,450	*12 250 *26,450	*10 400 *22,650	8400 18,100				*8000 *17,600	6000 13,300	7.43 24.31
3.0 m 10.0 ft	kg lb				*15 200 *32,700	12 350 26,600	*11 650 *25,300	8100 17,400	8950 19,250	5800 12,500		*8300 *18,300	5450 12,050	7.80 25.57
1.5 m 5.0 ft	kg lb				*17 550 *37,900	11 700 25,200	12 400 26,600	7750 16,700	8800 18,900	5650 12,200		8200 18,050	5300 11,650	7.87 25.81
Ground Line	kg lb				*18 400 *39,800	11 400 24,500	12 150 26,100	7550 16,300	8700 18,700	5600 12,000		8500 18,700	5450 12,000	7.63 25.04
-1.5 m -5.0 ft	kg lb		*17 350 *39,450	*17 350 *39,450	*17 750 *38,450	11 350 24,400	12 100 26,000	7500 16,150				9450 20,900	6050 13,300	7.08 23.17
-3.0 m -10.0 ft	kg lb		*21 150 *45,750	*21 150 *45,750	*15 550 *33,500	11 500 24,750	*11 200 24,750	7650				*10 900 *24,000	7500 16,600	6.10 19.88

**Boom** – 5.55 m (18'3")















**Counterweight** – 5.8 mt (6.3 t)

**Bucket** – None

**Stick** – M2.5DB (8'2")

**Shoes** – 700 mm (28") triple grouser

**Heavy Lift Mode** – On

	1.5 m/5.0 ft		3.0 m/10.0 ft		4.5 m/15.0 ft		6.0 m/20.0 ft		7.5 m/25.0 ft				m ft	
														
7.5 m 25.0 ft	kg lb											*8650 *19,250	*8650 *19,250	5.49 17.60
6.0 m 20.0 ft	kg lb						*9650 *21,200	8500 18,200				*8050 *17,750	7050 15,750	6.71 21.82
4.5 m 15.0 ft	kg lb				*12 250 *26,450	*12 250 *26,450	*10 400 *22,650	8250 17,800				*8000 *17,600	5900 13,050	7.43 24.31
3.0 m 10.0 ft	kg lb				*15 200 *32,700	12 150 26,150	*11 650 *25,300	7950 17,100	8800 18,900	5700 12,250		8250 18,200	5350 11,850	7.80 25.57
1.5 m 5.0 ft	kg lb				*17 550 *37,900	11 500 24,750	*12 150 26,100	7600 16,400	8650 18,550	5550 11,950		8050 17,700	5200 11,450	7.87 25.81
Ground Line	kg lb				*18 400 *39,800	11 200 24,050	11 900 25,600	7400 16,000	8550 18,350	5450 11,800		8300 18,300	5350 11,750	7.63 25.04
-1.5 m -5.0 ft	kg lb		*17 350 *39,450	*17 350 *39,450	*17 750 *38,450	11 150 23,950	11 850 25,500	7350 15,850				9300 20,500	5900 13,050	7.08 23.17
-3.0 m -10.0 ft	kg lb		*21 150 *45,750	*21 150 *45,750	*15 550 *33,500	11 300 24,300	*11 200 24,300	7500				*10 900 *24,000	7350 16,300	6.10 19.88

\*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.

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



# Super Long Reach Boom Lift Capacities



Load Point Height



Load at Maximum Reach



Load Radius Over Front



Load Radius Over Side

**Boom** – 10.2 m (33'6")

















**Counterweight** – 6.75 mt (7.4 t)

**Bucket** – None

**Stick** – 7.85 m (25'9") Super Long Reach

**Shoes** – 800 mm (32") triple grouser with step

**Heavy Lift Mode** – On

	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		
																	
12.0 m 40.0 ft	kg lb													*1350 *2,950	*1350 *2,950	14.02 45.54	
10.5 m 35.0 ft	kg lb													*1300 *2,800	*1300 *2,800	15.00 48.88	
9.0 m 30.0 ft	kg lb													*1250 *2,750	*1250 *2,750	15.77 51.52	
7.5 m 25.0 ft	kg lb													*1250 *2,750	*1250 *2,750	16.37 53.56	
6.0 m 20.0 ft	kg lb													*1250 *2,750	*1250 *2,750	16.81 55.06	
4.5 m 15.0 ft	kg lb													*1300 *2,800	*1300 *2,800	17.10 56.08	
3.0 m 10.0 ft	kg lb			*4150	*4150								*4650 *10,100	*4650 *10,100	*1350 *2,900	*1350 *2,900	17.27 56.63
1.5 m 5.0 ft	kg lb			*1550 *3,550	*1550 *3,550	*5200 *12,200	*5200 *12,200	*8300 *17,800	7500 16,200	*6400 *13,850	5600 12,050	*5350 *11,550	4350 9,400	*1400 *3,000	*1400 *3,000	17.29 56.74	
Ground Line	kg lb			*1650 *3,750	*1650 *3,750	*3600 *8,250	*3600 *8,250	*8250 *19,300	6750 14,600	*7350 *15,850	5100 11,050	*6000 *12,950	4050 8,700	*1450 *3,150	*1450 *3,150	17.19 56.40	
-1.5 m -5.0 ft	kg lb	*1650 *3,600	*1650 *3,600	*2150 *4,800	*2150 *4,800	*3550 *8,000	*3550 *8,000	*6500 *14,950	6300 13,550	7900 17,050	4750 10,250	6150 13,300	3800 8,100	*1550 *3,400	1500 3,250	16.95 55.60	
-3.0 m -10.0 ft	kg lb	*2250 *4,950	*2250 *4,950	*2750 *6,100	*2750 *6,100	*3900 *8,750	*3900 *8,750	*6250 *14,250	6050 13,000	7650 16,450	4550 9,750	5950 12,850	3600 7,700	*1650 *3,650	1500 3,300	16.58 54.34	
-4.5 m -15.0 ft	kg lb	*2850 *6,300	*2850 *6,300	*3350 *7,500	*3350 *7,500	*4450 *10,000	*4450 *10,000	*6550 *14,950	5900 12,700	7500 16,150	4400 9,450	5850 12,550	3450 7,450	*1850 *4,050	1600 3,450	16.05 52.56	
-6.0 m -20.0 ft	kg lb	*3450 *7,700	*3450 *7,700	*4050 *9,050	*4050 *9,050	*5150 *11,650	*5150 *11,650	*7250 *16,500	5900 12,700	7450 16,050	4350 9,350	5800 12,450	3400 7,350	*2050 *4,600	1700 3,700	15.36 50.22	
-7.5 m -25.0 ft	kg lb	*4150 *9,250	*4150 *9,250	*4800 *10,800	*4800 *10,800	*6000 *13,600	*6000 *13,600	*8250 *18,800	5950 12,800	7500 16,100	4350 9,400	5800 12,450	3400 7,350	*2400 *5,350	1850 4,100	14.47 47.23	
-9.0 m -30.0 ft	kg lb	*4850 *10,900	*4850 *10,900	*5650 *12,750	*5650 *12,750	*7050 *15,950	*7050 *15,950	*9650 *22,100	6100 13,150	7550 16,300	4450 9,600	5850 12,600	3450 7,500	*2950 *6,600	2100 4,700	13.36 43.45	
-10.5 m -35.0 ft	kg lb	*5650 *12,700	*5650 *12,700	*6650 *15,000	*6650 *15,000	*8350 *19,000	*8350 *19,000	*9950 *21,300	6300 13,600	7750 16,700	4600 9,950	5950 12,900	3600 7,750	*3900 *8,900	2550 5,700	11.96 38.66	
-12.0 m -40.0 ft	kg lb			*7800 *17,700	*7800 *17,700	*10,100 *23,200	*10,100 *23,200	*8650 *18,350	6600 14,300	*7050 *14,850	4850 10,500	*5800 *12,100	3800 8,250	*4900 *10,850	3300 7,550	10.15 32.40	
-13.5 m	kg													*5550	*5550	7.10	

\*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.

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

# 329E Hydraulic Excavator Specifications

## Super Long Reach Boom Lift Capacities



Load Point Height



Load at Maximum Reach



Load Radius Over Front



Load Radius Over Side

**Boom** – 10.2 m (33'6")

**Counterweight** – 6.75 mt (7.4 t)

**Bucket** – None

**Stick** – 7.85 m (25'9") Super Long Reach

**Shoes** – 800 mm (32") triple grouser with step

**Heavy Lift Mode** – On

 12.0 m 40.0 ft	10.5 m/35.0 ft		12.0 m/40.0 ft		13.5 m/45.0 ft		15.0 m/50.0 ft		16.5 m/55.0 ft		 m ft		
	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	
12.0 m 40.0 ft					*3,350	*3,350					*1,350 *2,950	*1,350 *2,950	14.02 45.54
10.5 m 35.0 ft											*1,300 *2,800	*1,300 *2,800	15.00 48.88
9.0 m 30.0 ft							*2,050 *3,950	*2,050 *3,950			*1,250 *2,750	*1,250 *2,750	15.77 51.52
7.5 m 25.0 ft					*3,000 *6,550	2,800 6,000	*2,550 *5,150	2,300 4,850			*1,250 *2,750	*1,250 *2,750	16.37 53.56
6.0 m 20.0 ft					*3,150 *6,900	2,750 5,850	*2,950 *6,050	2,250 4,750	*1,700 *2,850	*1,700 *2,850	*1,250 *2,750	*1,250 *2,750	16.81 55.06
4.5 m 15.0 ft			*3,500 *7,650	3,200 6,900	*3,350 *7,350	2,600 5,600	*3,300 *6,850	2,150 4,550	*2,100 *3,850	1,750 3,750	*1,300 *2,800	*1,300 *2,800	17.10 56.08
3.0 m 10.0 ft	*4,200 *9,050	3,750 8,050	*3,850 *8,350	3,050 6,500	*3,600 *7,850	2,500 5,350	3,300 7,000	2,050 4,400	*2,350 *4,500	1,700 3,650	*1,350 *2,900	*1,350 *2,900	17.27 56.63
1.5 m 5.0 ft	*4,650 *10,100	3,500 7,550	*4,200 *9,100	2,850 6,150	3,750 8,050	2,350 5,050	3,200 6,800	2,000 4,200	*2,550 *4,800	1,650 3,500	*1,400 *3,000	*1,400 *3,000	17.29 56.74
Ground Line	*5,150 *11,100	3,300 7,050	4,300 9,250	2,700 5,800	3,650 7,800	2,250 4,800	3,100 6,650	1,900 4,050	*2,550 *4,800	1,600 3,400	*1,450 *3,150	*1,450 *3,150	17.19 56.40
-1.5 m -5.0 ft	5,000 10,750	3,100 6,600	4,150 8,950	2,550 5,500	3,500 7,550	2,150 4,600	3,000 6,500	1,800 3,900	*2,400 *4,150	1,550 3,300	*1,550 *3,400	1,500 3,250	16.95 55.60
-3.0 m -10.0 ft	4,850 10,400	2,950 6,300	4,050 8,700	2,450 5,250	3,450 7,400	2,050 4,450	2,950 6,350	1,750 3,750	*1,850	1,550	*1,650 *3,650	1,500 3,300	16.58 54.34
-4.5 m -15.0 ft	4,750 10,200	2,850 6,100	3,950 8,500	2,350 5,100	3,400 7,250	2,000 4,300	2,950 6,300	1,750 3,700			*1,850 *4,050	1,600 3,450	16.05 52.56
-6.0 m -20.0 ft	4,700 10,100	2,800 6,000	3,900 8,450	2,350 5,000	3,350 7,200	2,000 4,300	2,950 *4,950	1,750 3,750			*2,050 *4,600	1,700 3,700	15.36 50.22
-7.5 m -25.0 ft	4,700 10,100	2,800 6,000	3,950 8,450	2,350 5,050	3,400 7,300	2,000 4,350					*2,400 *5,350	1,850 4,100	14.47 47.23
-9.0 m -30.0 ft	4,750 10,200	2,850 6,100	4,000 8,600	2,400 5,150							*2,950 *6,600	2,100 4,700	13.36 43.45
-10.5 m -35.0 ft	4,850 10,500	2,950 6,400									*3,900 *8,900	2,550 5,700	11.96 38.66
-12.0 m -40.0 ft											*4,900 *10,850	3,300 7,550	10.15 32.40
-13.5 m											*5,550	*5,550	7.10

\*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.

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

# Super Long Reach Boom Lift Capacities



Load Point Height



Load at Maximum Reach



Load Radius Over Front



Load Radius Over Side

**Boom – 10.2 m (33'6")**

















**Counterweight – 6.75 mt (7.4 t)**

**Bucket – None**

**Stick – 7.85 m (25'9") Super Long Reach**

**Shoes – 700 mm (28") triple grouser**

**Heavy Lift Mode – On**

	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		
																	
12.0 m 40.0 ft	kg lb													*1350 *2,950	*1350 *2,950	14.02 45.54	
10.5 m 35.0 ft	kg lb													*1300 *2,800	*1300 *2,800	15.00 48.88	
9.0 m 30.0 ft	kg lb													*1250 *2,750	*1250 *2,750	15.77 51.52	
7.5 m 25.0 ft	kg lb													*1250 *2,750	*1250 *2,750	16.37 53.56	
6.0 m 20.0 ft	kg lb													*1250 *2,750	*1250 *2,750	16.81 55.06	
4.5 m 15.0 ft	kg lb													*1300 *2,800	*1300 *2,800	17.10 56.08	
3.0 m 10.0 ft	kg lb			*4150	*4150								*4650 *10,100	4650 10,000	*1350 *2,900	*1350 *2,900	17.27 56.63
1.5 m 5.0 ft	kg lb			*1550 *3,550	*1550 *3,550	*5200 *12,200	*5200 *12,200	*8300 *17,800	7350 15,900	*6400 *13,850	5500 11,850	*5350 *11,550	4300 9,200	*1400 *3,000	*1400 *3,000	17.29 56.74	
Ground Line	kg lb			*1650 *3,750	*1650 *3,750	*3600 *8,250	*3600 *8,250	*8250 *19,300	6650 14,300	*7350 *15,850	5000 10,800	*6000 *12,950	3950 8,500	*1450 *3,150	1450 3,150	17.19 56.40	
-1.5 m -5.0 ft	kg lb	*1650 *3,600	*1650 *3,600	*2150 *4,800	*2150 *4,800	*3550 *8,000	*3550 *8,000	*6500 *14,950	6150 13,250	7750 16,700	4650 10,000	6050 13,000	3700 7,950	*1550 *3,400	1450 3,150	16.95 55.60	
-3.0 m -10.0 ft	kg lb	*2250 *4,950	*2250 *4,950	*2750 *6,100	*2750 *6,100	*3900 *8,750	*3900 *8,750	*6250 *14,250	5900 12,700	7500 16,100	4400 9,500	5850 12,550	3500 7,550	*1650 *3,650	1500 3,250	16.58 54.34	
-4.5 m -15.0 ft	kg lb	*2850 *6,300	*2850 *6,300	*3350 *7,500	*3350 *7,500	*4450 *10,000	*4450 *10,000	*6550 *14,950	5750 12,400	7350 15,800	4300 9,200	5700 12,250	3400 7,250	*1850 *4,050	1550 3,350	16.05 52.56	
-6.0 m -20.0 ft	kg lb	*3450 *7,700	*3450 *7,700	*4050 *9,050	*4050 *9,050	*5150 *11,650	*5150 *11,650	*7250 *16,500	5750 12,400	7300 15,650	4250 9,100	5650 12,150	3350 7,150	*2050 *4,600	1650 3,600	15.36 50.22	
-7.5 m -25.0 ft	kg lb	*4150 *9,250	*4150 *9,250	*4800 *10,800	*4800 *10,800	*6000 *13,600	*6000 *13,600	*8250 *18,800	5800 12,500	7300 15,700	4250 9,150	5650 12,150	3350 7,150	*2400 *5,350	1800 4,000	14.47 47.23	
-9.0 m -30.0 ft	kg lb	*4850 *10,900	*4850 *10,900	*5650 *12,750	*5650 *12,750	*7050 *15,950	*7050 *15,950	*9650 *22,100	5950 12,850	7400 15,950	4350 9,350	5700 12,300	3400 7,300	*2950 *6,600	2050 4,550	13.36 43.45	
-10.5 m -35.0 ft	kg lb	*5650 *12,700	*5650 *12,700	*6650 *15,000	*6650 *15,000	*8350 *19,000	*8350 *19,000	*9950 *21,300	6150 13,300	7550 16,350	4500 9,700	5850 12,600	3500 7,600	*3900 *8,900	2450 5,550	11.96 38.66	
-12.0 m -40.0 ft	kg lb			*7800 *17,700	*7800 *17,700	*10,100 *23,200	10,000 21,600	*8650 *18,350	6450 14,000	*7050 *14,850	4750 10,250	*5800 *12,100	3700 8,100	*4900 *10,850	3200 7,350	10.15 32.40	
-13.5 m	kg													*5550	5500	7.10	

\*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.

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

# 329E Hydraulic Excavator Specifications

## Super Long Reach Boom Lift Capacities



Load Point Height



Load at Maximum Reach



Load Radius Over Front



Load Radius Over Side

**Boom** – 10.2 m (33'6")















**Counterweight** – 6.75 mt (7.4 t)

**Bucket** – None

**Stick** – 7.85 m (25'9") Super Long Reach

**Shoes** – 700 mm (28") triple grouser

**Heavy Lift Mode** – On

		10.5 m/35.0 ft		12.0 m/40.0 ft		13.5 m/45.0 ft		15.0 m/50.0 ft		16.5 m/55.0 ft				m ft
														
12.0 m 40.0 ft	kg lb					*3,350	*3,350					*1350 *2,950	*1350 *2,950	14.02 45.54
10.5 m 35.0 ft	kg lb											*1300 *2,800	*1300 *2,800	15.00 48.88
9.0 m 30.0 ft	kg lb							*2050 *3,950	*2050 *3,950			*1250 *2,750	*1250 *2,750	15.77 51.52
7.5 m 25.0 ft	kg lb					*3000 *6,550	2750 5,900	*2550 *5,150	2250 4,750			*1250 *2,750	*1250 *2,750	16.37 53.56
6.0 m 20.0 ft	kg lb					*3150 *6,900	2700 5,700	*2950 *6,050	2200 4,650	*1700 *2,850	*1700 *2,850	*1250 *2,750	*1250 *2,750	16.81 55.06
4.5 m 15.0 ft	kg lb			*3500 *7,650	3150 6,750	*3350 *7,350	2550 5,500	*3300 *6,850	2100 4,450	*2100 *3,850	1700 3,650	*1300 *2,800	*1300 *2,800	17.10 56.08
3.0 m 10.0 ft	kg lb	*4200 *9,050	3700 7,900	*3850 *8,350	3000 6,400	*3600 *7,850	2450 5,200	3200 6,850	2000 4,300	*2350 *4,500	1650 3,550	*1350 *2,900	*1350 *2,900	17.27 56.63
1.5 m 5.0 ft	kg lb	*4650 *10,100	3450 7,400	*4200 *9,100	2800 6,000	3700 7,900	2300 4,950	3100 6,650	1950 4,100	*2550 *4,800	1600 3,400	*1400 *3,000	*1400 *3,000	17.29 56.74
Ground Line	kg lb	5100 10,950	3200 6,900	4200 9,050	2650 5,650	3550 7,600	2200 4,700	3050 6,500	1850 3,950	*2550 *4,800	1550 3,300	*1450 *3,150	1450 3,150	17.19 56.40
-1.5 m -5.0 ft	kg lb	4900 10,550	3000 6,450	4050 8,750	2500 5,350	3450 7,400	2100 4,500	2950 6,300	1800 3,800	*2400 *4,150	1500 3,200	*1550 *3,400	1450 3,150	16.95 55.60
-3.0 m -10.0 ft	kg lb	4750 10,200	2850 6,150	3950 8,500	2400 5,100	3350 7,200	2000 4,300	2900 6,200	1700 3,650	*1850 3,650	1500	*1650 *3,650	1500 3,250	16.58 54.34
-4.5 m -15.0 ft	kg lb	4650 9,950	2750 5,950	3850 8,300	2300 4,950	3300 7,100	1950 4,200	2850 6,150	1700 3,600			*1850 *4,050	1550 3,350	16.05 52.56
-6.0 m -20.0 ft	kg lb	4600 9,850	2700 5,850	3850 8,250	2250 4,900	3300 7,050	1950 4,150	2850 *4,950	1700 3,650			*2050 *4,600	1650 3,600	15.36 50.22
-7.5 m -25.0 ft	kg lb	4600 9,850	2700 5,850	3850 8,250	2300 4,900	3300 7,100	1950 4,200					*2400 *5,350	1800 4,000	14.47 47.23
-9.0 m -30.0 ft	kg lb	4650 10,000	2750 5,950	3900 8,400	2350 5,050							*2950 *6,600	2050 4,550	13.36 43.45
-10.5 m -35.0 ft	kg lb	4750 10,250	2850 6,200									*3900 *8,900	2450 5,550	11.96 38.66
-12.0 m -40.0 ft	kg lb											*4900 *10,850	3200 7,350	10.15 32.40
-13.5 m	kg											*5550	5500	7.10

\*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.

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

## Work Tool Offering Guide\*

Boom Type	HD Reach Boom			Mass Boom
	Stick Size	R3.75 (12'4")	R3.2 (10'6")	R2.65 (8'8")
Hydraulic Hammer	H120E S H130E S H140E S**	H120E S H130E S H140E S	H120E S H130E S H140E S	H120E S H130E S H140D S
Multi-Processor	–	MP20 with CC Jaw MP20 with CR Jaw** MP20 with PP Jaw** MP20 with PS Jaw** MP20 with S Jaw MP20 with TS Jaw**	MP20	MP20 MP30**
Pulverizer	–	P225**	P225	P225 P235**
Mobile Scrap and Demolition Shear	S340B***	S320B S325B** S340B***	S320B S325B S340B***	S320B S325B S340B***
Compactor (Vibratory Plate)	CVP110	CVP110	CVP110	CVP110
Demolition and Sorting Grapple	–	G320B** G325B**	G320B G325B	G320B G325B G330
Contractors' Grapple	G120B – G130B	G120B – G130B	G120B – G130B	G120B – G130B
Trash Grapple				
Thumbs				
Rakes				
Center-Lock Pin Grabber Coupler				
Dedicated Quick Coupler				

These work tools are available for the 329E.  
Consult your Cat dealer for proper match.

\*Matches are dependent on excavator configurations. Consult your Cat dealer for proper work tool match.

\*\*Pin-on only.

\*\*\*Boom Mount.

# 329E Hydraulic Excavator Specifications

## Bucket Specifications and Compatibility

	Linkage	Width		Capacity		Weight		Fill	Reach Boom (HD)			Super Long Reach	Mass Boom
		mm	in	m <sup>3</sup>	yd <sup>3</sup>	kg	lb		%	R3.75 HD (12'4")	R3.2 HD (10'6")		
<b>Without Quick Coupler</b>													
Ditch Cleaning (DC)	A	1238	49	0.57	0.75	289	637	100%				⊙	
	A	770	30	0.69	0.90	377	830	100%				○	
General Duty (GDC)	CB	600	24	0.63	0.83	724	1,595	100%	●	●	●		
	CB	750	30	0.86	1.13	810	1,785	100%	●	●	●		
	CB	900	36	1.09	1.43	907	1,998	100%	●	●	●		
	CB	1050	42	1.34	1.75	979	2,157	100%	●	●	●		
	CB	1200	48	1.58	2.07	1070	2,358	100%	⊙	●	●		
	CB	1350	54	1.83	2.40	1164	2,564	100%	⊖	⊙	●		
Heavy Duty (HD)	CB	600	24	0.52	0.68	763	1,681	100%	●	●	●		
	CB	750	30	0.71	0.93	847	1,866	100%	●	●	●		
	CB	900	36	0.91	1.19	935	2,061	100%	●	●	●		
	CB	1050	42	1.12	1.46	1024	2,256	100%	●	●	●		
	CB	1200	48	1.33	1.74	1095	2,413	100%	●	●	●		
	CB	1350	54	1.54	2.02	1188	2,618	100%	⊙	●	●		
	CB	1500	60	1.76	2.30	1285	2,831	100%	⊖	⊙	●		
	DB	1500	60	1.88	2.46	1624	3,579	100%					●
Severe Duty (SD)	CB	600	24	0.52	0.68	810	1,784	90%	●	●	●		
	CB	750	30	0.71	0.93	902	1,987	90%	●	●	●		
	CB	900	36	0.91	1.19	999	2,202	90%	●	●	●		
	CB	1050	42	1.12	1.46	1097	2,417	90%	●	●	●		
	CB	1200	48	1.33	1.74	1178	2,595	90%	●	●	●		
Maximum load pin-on (payload + bucket)								kg	4010	4485	4955	1145	5725
								lb	8,838	9,885	10,921	2,524	12,618
Maximum standard bucket width								mm	–	1524	1524	–	1676
								in	–	60	60	–	66

### Maximum Material Density:

- 2100 kg/m<sup>3</sup> (3,500 lb/yd<sup>3</sup>)
- ⊙ 1800 kg/m<sup>3</sup> (3,000 lb/yd<sup>3</sup>)
- ⊖ 1500 kg/m<sup>3</sup> (2,500 lb/yd<sup>3</sup>)
- 1200 kg/m<sup>3</sup> (2,000 lb/yd<sup>3</sup>)

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 over the side with front linkage fully extended at ground line with bucket curled.

Capacity based on ISO 7451.

Bucket weight with General Duty tips.

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.

## Bucket Specifications and Compatibility

	Linkage	Width		Capacity		Weight		Fill	Reach Boom (HD)			Mass Boom
		mm	in	m <sup>3</sup>	yd <sup>3</sup>	kg	lb		%	R3.75 HD (12'4")	R3.2 HD (10'6")	
<b>With Center Lock Coupler</b>												
General Duty (GDC)	CB	600	24	0.63	0.83	724	1,595	100%	●	●	●	
	CB	750	30	0.86	1.13	810	1,785	100%	●	●	●	
	CB	900	36	1.09	1.43	907	1,998	100%	●	●	●	
	CB	1050	42	1.34	1.75	979	2,157	100%	⊙	●	●	
	CB	1200	48	1.58	2.07	1070	2,358	100%	⊖	⊙	●	
	CB	1350	54	1.83	2.40	1164	2,564	100%	○	⊖	⊙	
Heavy Duty (HD)	CB	600	24	0.52	0.68	763	1,681	100%	●	●	●	
	CB	750	30	0.71	0.93	847	1,866	100%	●	●	●	
	CB	900	36	0.91	1.19	935	2,061	100%	●	●	●	
	CB	1050	42	1.12	1.46	1024	2,256	100%	●	●	●	
	CB	1200	48	1.33	1.74	1095	2,413	100%	⊙	●	●	
	CB	1350	54	1.54	2.02	1188	2,618	100%	⊖	⊙	●	
	CB	1500	60	1.76	2.30	1285	2,831	100%	○	⊖		
	CB	1650	66	1.97	2.58	1357	2,990	100%	◇	○		
	DB	1500	60	1.88	2.46	1624	3,579	100%				●
Severe Duty (SD)	CB	600	24	0.52	0.68	810	1,784	90%	●	●	●	
	CB	750	30	0.71	0.93	902	1,987	90%	●	●	●	
	CB	900	36	0.91	1.19	999	2,202	90%	●	●	●	
	CB	1050	42	1.12	1.46	1097	2,417	90%	●	●	●	
	CB	1200	48	1.33	1.74	1178	2,595	90%	⊙	●	●	
Maximum load with coupler (payload + bucket)								kg	3505	3980	4450	5167
								lb	7,726	8,773	9,809	11,388
Maximum standard bucket width with coupler								mm	–	1676	1676	1676
								in	–	66	66	66

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 over the side with front linkage fully extended at ground line with bucket curled.

Capacity based on ISO 7451.

Bucket weight with General Duty tips.

### Maximum Material Density:

- 2100 kg/m<sup>3</sup> (3,500 lb/yd<sup>3</sup>)
- ⊙ 1800 kg/m<sup>3</sup> (3,000 lb/yd<sup>3</sup>)
- ⊖ 1500 kg/m<sup>3</sup> (2,500 lb/yd<sup>3</sup>)
- 1200 kg/m<sup>3</sup> (2,000 lb/yd<sup>3</sup>)
- ◇ 900 kg/m<sup>3</sup> (1,500 lb/yd<sup>3</sup>)

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

## Standard Equipment

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

### ENGINE

- C7.1 diesel engine
- Biodiesel capable
- Meets EPA Tier 4 (Interim) emission standards
- 2300 m (7,500 ft) altitude capability
- Electric priming pump
- Automatic engine speed control
- Standard, economy and high power modes
- Two-speed travel
- Side-by-side cooling system
- Radial seal air filter
- Primary filter with water separator and water separator indicator switch
- Fuel differential indicator switch in fuel line
- 1×4 micron main filters
- 1×10 micron primary fuel line filter

### HYDRAULIC SYSTEM

- Regeneration circuit for boom and stick
- Reverse swing dampening valve
- Automatic swing parking brake
- High-performance hydraulic return filter
- Capability of installing HP stackable valve and medium and QC valve
- Capability of installing additional auxiliary pump and circuit
- Capability of installing boom lowering control device and stick lowering check valve
- Capability of installing Cat Bio hydraulic oil

### CAB

- Pressurized operator station with positive filtration
- Mirror package
- Sliding upper door window (left-hand cab door)
- Glass-breaking safety hammer
- Removable lower windshield with in cab storage bracket
- Coat hook
- Beverage holder
- Literature holder
- Radio with MP3 auxiliary audio port
- Two stereo speakers
- Storage shelf suitable for lunch or toolbox
- Color LCD display with warning, filter/fluid change, and working hour information
- Adjustable armrest
- Height adjustable joystick consoles
- Neutral lever (lock out) for all controls
- Travel control pedals with removable hand levers
- Capability of installing two additional pedals
- Two power outlets, 10 amp (total)
- Laminated glass front upper window and tempered other windows

### UNDERCARRIAGE

- Grease Lubricated Track GLT2, resin seal
- Towing eye on base frame

### ELECTRICAL

- 80 amp alternator
- Circuit breaker
- Capability to electrically connect a beacon

### LIGHTS

- Boom light with time delay
- Cab lights with time delay
- Exterior lights integrated into storage box

### SECURITY

- Cat one key security system
- Door locks
- Cap locks on fuel and hydraulic tanks
- Lockable external tool/storage box
- Signaling/warning horn
- Secondary engine shutoff switch
- Openable skylight for emergency exit
- Rearview camera



## Optional Equipment

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

### ENGINE

- Electric refueling pump with auto shut off
- Starting kit, cold weather, -32° C (-26° F)
- Jump start receptacle
- Quick drains, engine and hydraulic oil

### HYDRAULIC SYSTEM

- Control pattern quick-changer, two way
- Additional circuit
- Boom and stick lines
- High-pressure line
- Medium-pressure line
- Cat quick coupler line – high- and medium-pressure capable
- Quick coupler for high pressure
- Tool control system

### CAB

- Cab hatch emergency exit
- Seat, high-back air suspension with heater and cooling
- Seat, high-back air suspension with heater
- Seat, high-back mechanical suspension
- Sunscreen
- Windshield wiper, lower with washer
- AM/FM radio
- Air pre-filter
- Travel alarm
- Left foot switch
- Left pedal
- Straight travel pedal

### UNDERCARRIAGE

- 700 mm (28") triple grouser shoes
- 800 mm (32") triple grouser shoes
- 900 mm (35") triple grouser shoes
- Guard, full length for long FG undercarriage
- Guard, heavy-duty bottom
- Center track guiding guard
- Segmented (3 piece) track guiding guard

### COUNTERWEIGHT

- 5.8 mt (6.3 t)
- 6.75 mt (7.4 t)

### FRONT LINKAGE

- Bucket linkage, CB2 family without lifting eye
- Bucket linkage, CB2 family with lifting eye
- Mass 5.55 m (18'3") boom
- Mass 2.5DB m (8'2") stick
- SLR 10.2 m (33'6") boom
- SLR 7.85 m (25'9") stick

### LIGHTS

- Working lights, cab mounted with time delay
- HID lights, cab mounted with time delay
- Halogen boom lights
- HID boom lights

### SECURITY

- FOGS, bolt-on
- Guard, cab front, mesh
- Guard, vandalism
- Cat MSS (anti-theft)

### TECHNOLOGY

- Cat Grade Control Depth and Slope
- Product Link





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