

# 329E

Hydraulic Excavator



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## Engine

Engine Model	Cat® C7.1 ACERT™
Net Power – ISO 14396	179 kW (243 hp)

## Drive

Maximum Travel Speed	5.1 km/h
Maximum Drawbar Pull	247 kN

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## Weight

Minimum Weight	28 717 kg
Maximum Weight	31 639 kg

**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 European Union 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.*



**Contents**

Engine .....3  
Operator Station.....4  
Hydraulics .....5  
Structures & Undercarriage .....6  
Front Linkage .....7  
Work Tools.....8  
Integrated Technologies.....10  
Serviceability .....11  
Safety .....12  
Complete Customer Care.....13  
Sustainability .....14  
Specifications.....15  
Standard Equipment.....32  
Optional Equipment.....33

# 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 Stage IIIB emission standards. Driven by customer input, Caterpillar's aftertreatment regeneration solution ensures the machine works as normal 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 and tilt-out radiators, oil cooler and air coolers for easy cleaning and a fan that 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. All seats include 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 a 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 7" LCD (Liquid Crystal Display) monitor that's 40% bigger than the previous model's with higher resolution for better visibility. 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.

## Power Supply

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. A specific 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.



# 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 highly efficient and simple 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.

## 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.

## SmartBoom™

SmartBoom reduces stress and vibrations transmitted to the machine and provides a more comfortable environment. It is particularly well suited for the following applications:

- **Rock scraping.** SmartBoom simplifies the task and allows the operator to concentrate on stick and bucket, while the boom freely goes up and down without using pump flow.
- **Hammer work.** The front parts automatically follow the hammer while penetrating the rock. Blank shots or excessive force on the hammer are avoided, resulting in longer life for the hammer and the machine.

## Electric Boom Regeneration Valve

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



# Structures & Undercarriage

Built to work in rugged environments

## Frame

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

## Undercarriage

Fixed gauge long and long narrow 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.

## Counterweights

The standard counterweight (3) weighs 5.8 mt. Super Long Reach (SLR) configurations come with a heavier 6.75 mt counterweight. Integrated links enable easy removal of the counterweight 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 four basic boom options: HD, ES, SLR, and ME. Sticks match the boom descriptions and applications below:

### HD = Heavy Duty

This boom is designed to balance reach, digging force, and bucket capacity. It covers the vast majority of applications such as digging, loading, trenching, and working with hydraulic tools.

### ES = Extreme Service

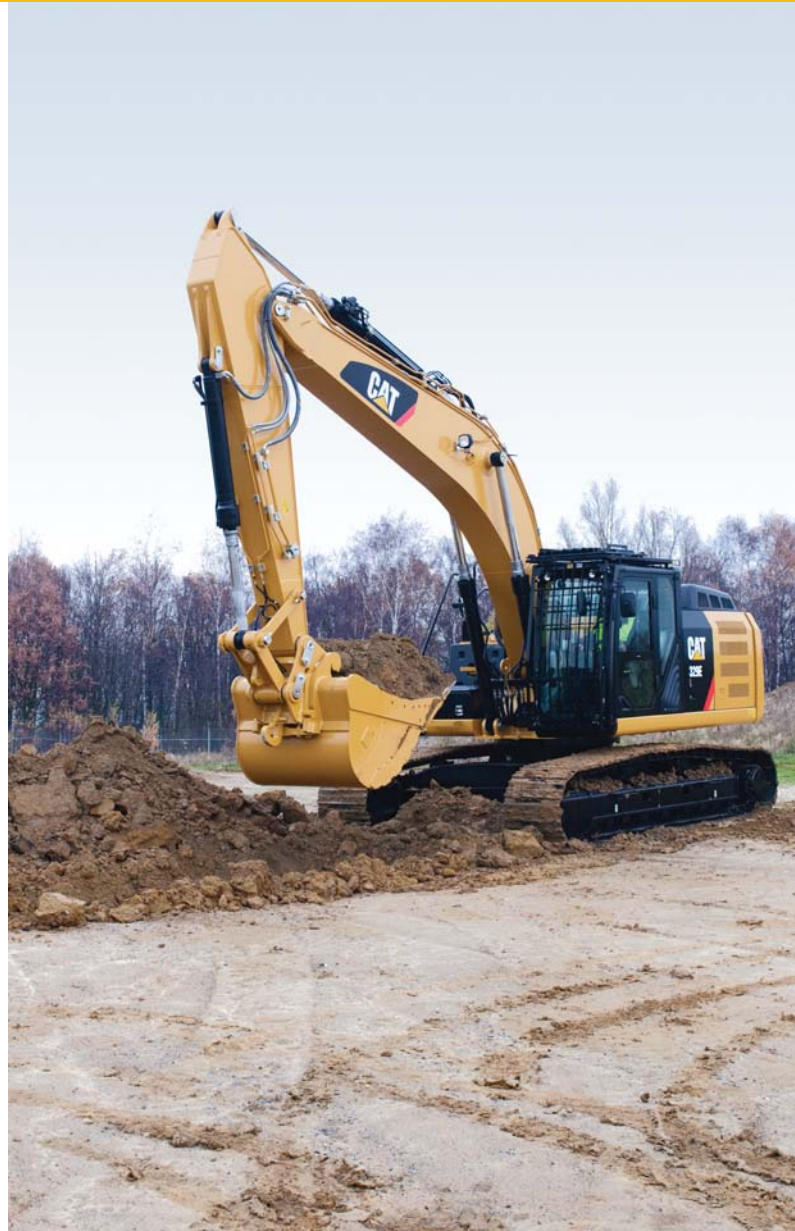
This configuration will do multipurpose digging and loading, but its added weight makes it more durable and better suited for highly demanding applications. The bucket and tool matching guides help identify which conditions require the ES front.

### SLR = Super Long Reach

This configuration offers reaches to over 18 m. It is well suited for ditch cleaning applications.

### ME = Mass Excavation

This boom 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

Dig, hammer, rip, and cut with confidence

An extensive range of Cat Work Tools for the 329E includes buckets, hydraulic hammers, multi-processors, scrap and demolition shears, grapples, and rippers. Each is designed to optimize machine versatility and performance.

## CW Quick 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.

The CW quick coupler can pick up any work tool and is equipped with a wedge-style locking system that fits the quick coupler tight to the tool hinges. Due to the tapered wedge design, there won't be any play during its entire life. Also, it is interchangeable with different machine classes. The CW is highly suitable for harsh applications such as demolition and quarries.

## Buckets

Cat buckets are designed as an integral part of the 329E system and feature new geometry for better performance. The leading edge has been pushed forward, resulting in more efficient filling and better operator control for greatly improved productivity. Wear coverage in the corners and side cutter and sidebar protector coverage are improved; a new lift eye design accepts a wide range of shackle sizes. All benefits are captured in a new bucket line with a new bucket naming convention. Following are the types offered:



## Four Durability Categories Suitable for Any Situation

Caterpillar offers four standard bucket categories for excavators. Each category is based on intended bucket durability when used in recommended applications and material. Each bucket durability type is available as pin-on or can be used with a Quick Coupler. Red areas on bucket images illustrate additional protection against wear as it increases across each category.

### General Duty (GD)

GD buckets are for digging in low-impact, low-abrasion material such as dirt, loam, and mixed compositions of dirt and fine gravel.

### Heavy Duty (HD)

The most popular bucket style, HD buckets are a good starting point when digging conditions are not well known like a wide range of impact and abrasion conditions that include mixed dirt, clay, and rock.

### Severe Duty (SD)

SD buckets are for higher abrasion conditions such as well shot granite and caliche.

### Extreme Duty (XD)

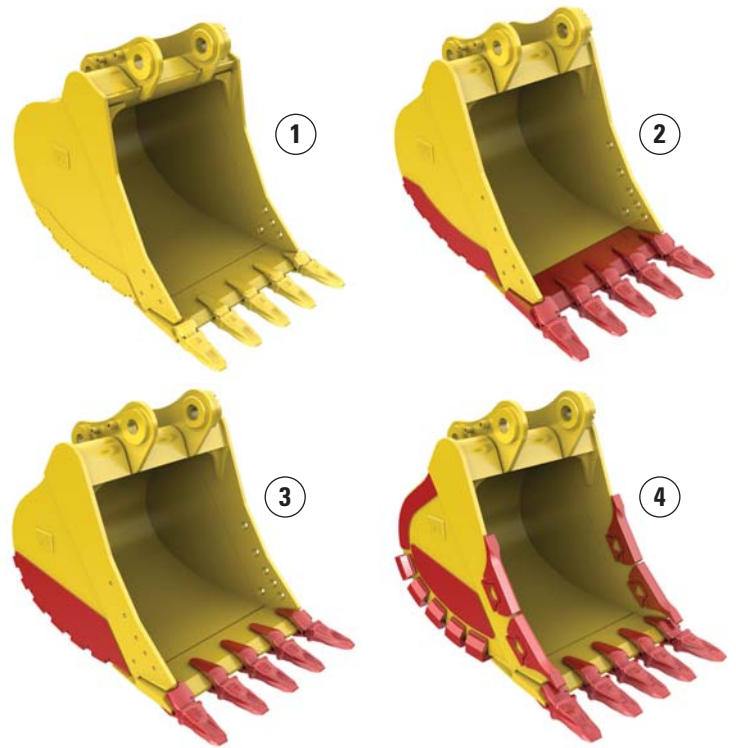
XD buckets are the new standard for high-abrasion conditions, including high quartzite granite.

### Special Buckets

Special buckets are available for the 329E on request.

### Comprehensive Product Support

All Cat Work Tools are backed up by a world-wide network of well-stocked parts depots and highly experienced service and support personnel.



1) General Duty 2) Heavy Duty 3) Severe Duty 4) Extreme Duty



# Integrated Technologies

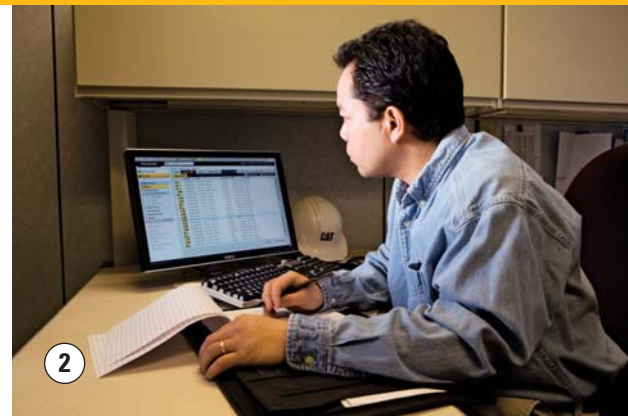
Solutions that make work easier and more efficient

## Cat® Grade Control Depth and Slope

This optional system combines traditional machine control and guidance with standard machine components at the factory. With factory-installed and calibrated components, the system is 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.



# Serviceability

Fast, easy and safe access built in

## Service Doors

Wide service doors (1) and a one-piece 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

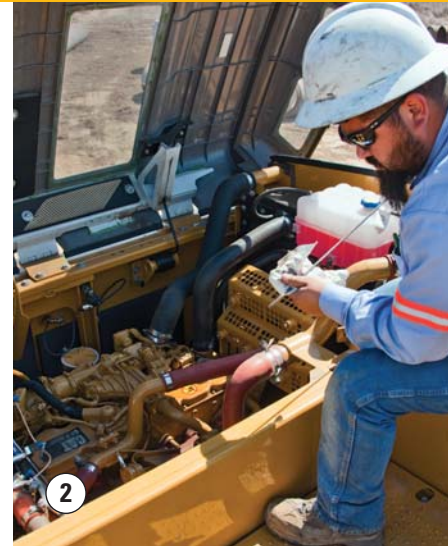
The radiator, pump, and air cleaner (3) compartments provide easy access to major components. The fresh air filter (4) is located on the side of the cab to make it easy to reach and replace as needed.

## Other Services

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 easy to service compared to 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.



# 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.

## **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 securely work on the machine.

## **Time Delay Cab and Boom Lights**

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 can be upgraded to HID for greater visibility.

## **Visibility – Windows**

Two windshield options are available: The 70/30 split configuration features an upper window equipped with handles on the top and both sides so the operator can slide it to store in the ceiling. The lower window is removable and can be stored on the left wall of the cab shell. A one-piece fixed front windshield provides operators an unobstructed forward view.

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

## **Wiper System**

Designed to maximize visibility in poor weather conditions, the parallel wiper system covers most of the front window without leaving unwiped areas in the line of sight of the operator. The wiper motor is integrated to the upper frame so that it does not obstruct any part of the forward view.

## **Monitor Warning System**

The monitor is equipped with a buzzer that can warn operators of critical events so they can take any necessary action.

## **Rearview Camera**

The standard rearview camera is housed in the counterweight (4). The image projects through the cab monitor to give the operator a clear view of what is 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 EU Stage IIIB emissions regulations.
- The 329E produces more while burning less fuel than the previous D Series model. This 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 Flywheel Power	161 kW
Net Flywheel Power (metric)	219 hp
Net Flywheel Power (imperial)	216 hp
Net Power – ISO 14396	179 kW
Net Power – ISO 14396 (metric)	243 hp
Net Power – ISO 14396 (imperial)	240 hp
Bore	105 mm
Stroke	135 mm
Displacement	7.01 L

## Weights

Minimum Weight*	28 717 kg
Maximum Weight**	31 639 kg

\*Long Undercarriage, 6.15 m reach boom, R2.6CB2 stick, 5.8 mt counterweight, 1.33 m<sup>3</sup> bucket, 600 mm TG shoes.

\*\*Long Undercarriage, 10.2 m Super Long Reach boom, 7.85 m CB stick, 6.75 mt counterweight, 0.6 m<sup>3</sup> bucket, 900 mm TG shoes.

## Hydraulic System

Main System – Maximum Flow (Total)	494 L/min
Swing System – Maximum Flow	247 L/min
Maximum Pressure – Equipment Heavy Lift	38 000 kPa
Maximum Pressure – Equipment Normal	35 000 kPa
Maximum Pressure – Travel	35 000 kPa
Maximum Pressure – Swing	27 503 kPa
Pilot System – Maximum Flow	23.1 L/min
Pilot System – Maximum Pressure	3920 kPa
Boom Cylinder – Bore	140 mm
Boom Cylinder – Stroke	1407 mm
Stick Cylinder – Bore	150 mm
Stick Cylinder – Stroke	1646 mm
DB Bucket Cylinder – Bore	135 mm
DB Bucket Cylinder – Stroke	1156 mm
TB Bucket Cylinder – Bore	150 mm
TB Bucket Cylinder – Stroke	1151 mm

## Drive

Maximum Travel Speed	5.1 km/h
Maximum Drawbar Pull	247 kN

## Swing Mechanism

Swing Speed	9.8 rpm
Swing Torque	82.2 kN·m

## Service Refill Capacities

Fuel Tank Capacity	520 L
Cooling System	44 L
Engine Oil (with filter)	22.5 L
Swing Drive (each)	10 L
Final Drive (each)	6 L
Hydraulic System (including tank)	310 L
Hydraulic Tank	155 L

## Track

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

- Operator Sound – The operator sound level is measured according to the procedures specified in ISO 6396, for cab offered by Caterpillar, when properly installed and maintained and tested with doors and windows closed.
- Exterior Sound – The labeled spectator sound power level is measured according to the test procedures and conditions specified in 2000/14/EC.
- Hearing protection may be needed when operating with an open operator station and cab (when not properly maintained for doors/windows open) for extended periods or in a noisy environment.

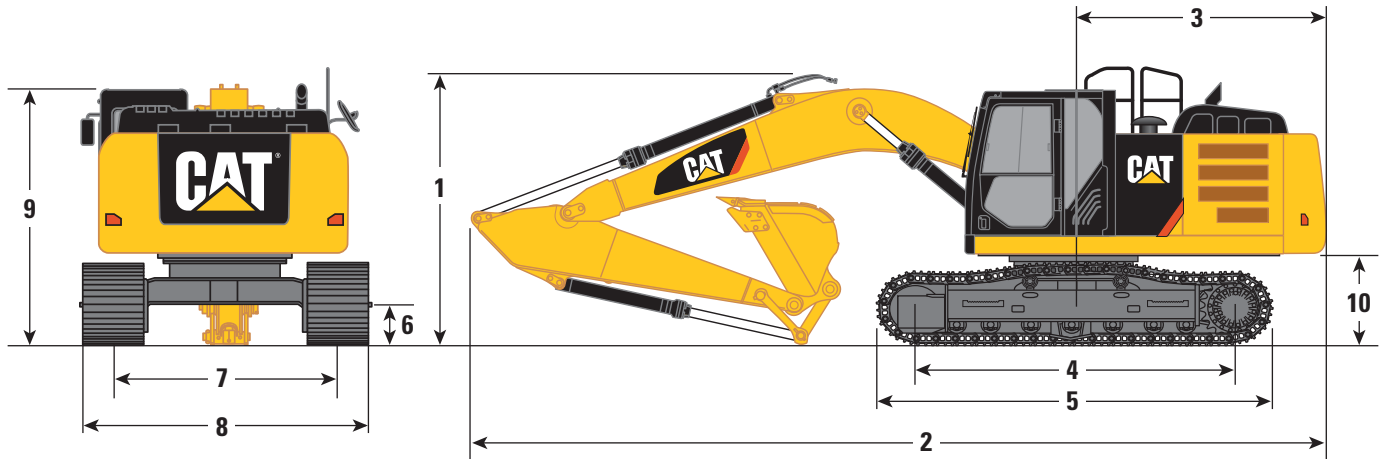
## Standards

Brakes	ISO 10265 2008
Cab/FOGS	ISO 10262 1998
Cab/ROPS	ISO 12117-2:2008

# 329E Hydraulic Excavator Specifications

## Dimensions

All dimensions are approximate.



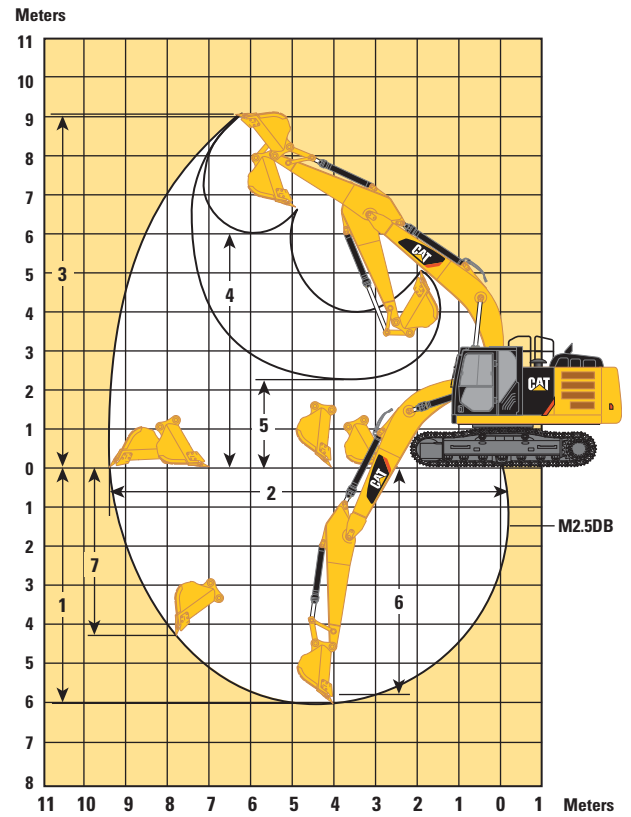
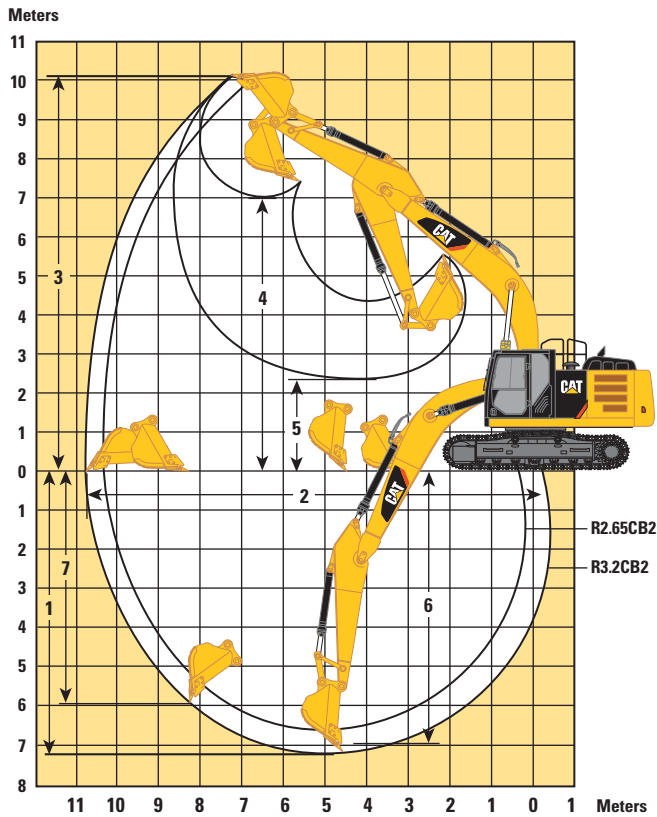
Stick	ES & HD Reach Booms 6.15 m		Mass Boom 5.55 m	Super Long Reach Boom 10.2 m
	R3.2CB2 mm	R2.65CB2 mm	M2.5DB mm	Super Long Reach 7.85 m mm
<b>1</b> Shipping Height*	3372	3450	3520	3229
Shipping Height with Guard Rail (without fronts)	3328	3328	3328	3328
Shipping Height with Top Guard (without fronts)	3240	3240	3240	3240
<b>2</b> Shipping Length	10 386	10 400	9830	14 443
<b>3</b> Tail Swing Radius	3044	3044	3044	3044
<b>4</b> Length to Center of Rollers				
Long Undercarriage	3994	3994	3994	3994
Long Narrow Undercarriage	3994	3994	3994	–
<b>5</b> Track Length				
Long Undercarriage	4855	4855	4855	4855
Long Narrow Undercarriage	4855	4855	4855	–
<b>6</b> Ground Clearance				
Long Undercarriage	490	490	490	490
Long Narrow Undercarriage	490	490	490	–
<b>7</b> Track Gauge				
Long Undercarriage	2590	2590	2590	2590
Long Narrow Undercarriage	2390	2390	2390	–
<b>8</b> Transport Width				
Long Undercarriage – 600 mm Shoes	3190	3190	3190	3190
Long Undercarriage – 700 mm Shoes	3290	3290	3290	3290
Long Undercarriage – 800 mm Shoes	3390	3390	3390	3390
Long Undercarriage – 900 mm Shoes	3490	3490	3490	3490
Long Narrow Undercarriage – 600 mm Shoes	2990	2990	2990	–
Long Narrow Undercarriage – 700 mm Shoes	3090	3090	3090	–
Long Narrow Undercarriage – 800 mm Shoes	3190	3190	3190	–
<b>9</b> Cab Height	3044	3044	3044	3044
Cab Height with Top Guard	3240	3240	3240	3240
<b>10</b> Counterweight Clearance**	1134	1134	1134	1134

\*Including shoe lug height.

\*\*Without shoe lug height.

## Working Ranges

All dimensions are approximate.

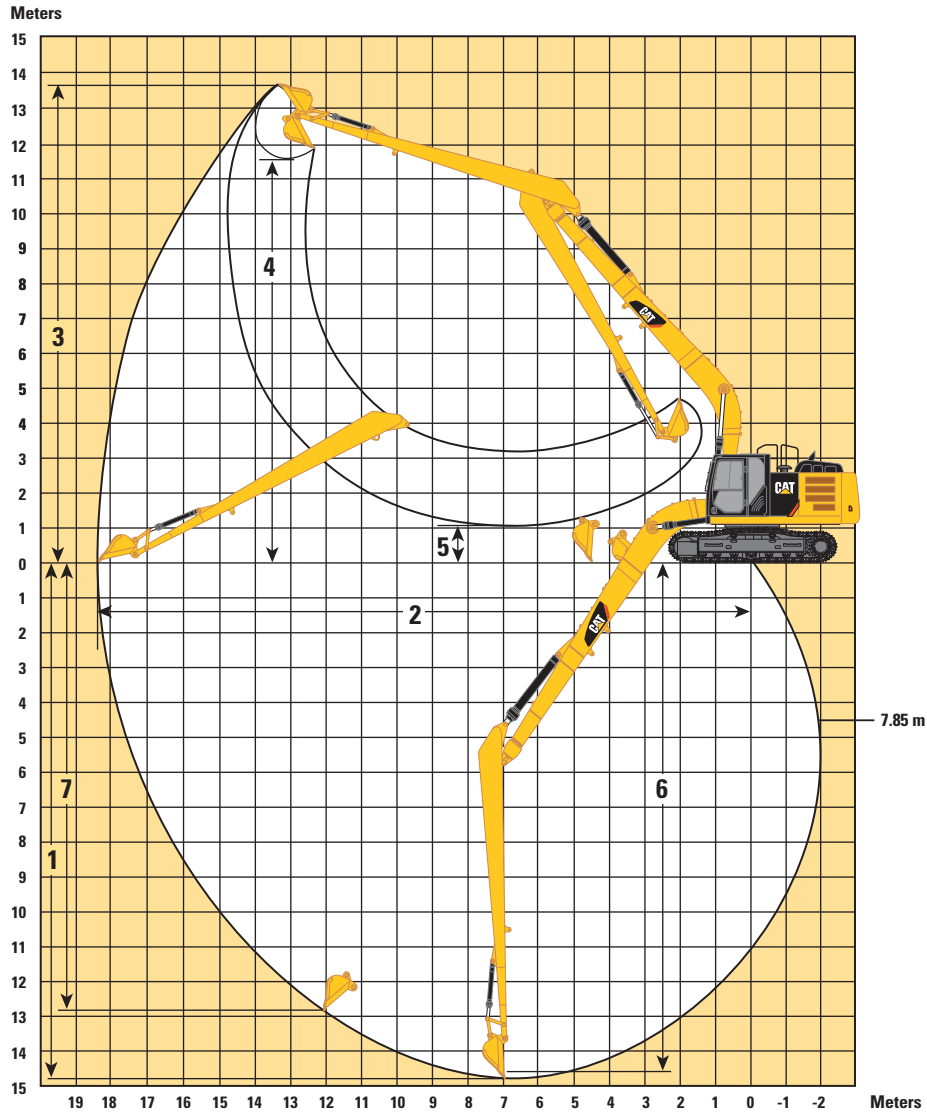


Stick	ES & HD Reach Booms 6.15 m		Mass Boom 5.55 m
	R3.2CB2	R2.65CB2	M2.5DB
	mm	mm	mm
1 Maximum Digging Depth	7250	6700	6100
2 Maximum Reach at Ground Level	10 680	10 200	9430
3 Maximum Cutting Height	10 010	9900	9130
4 Maximum Loading Height	6950	6800	6000
5 Minimum Loading Height	2290	2840	2470
6 Maximum Depth Cut for 2440 mm Level Bottom	7090	6520	5910
7 Maximum Vertical Wall Digging Depth	5980	5680	4250

# 329E Hydraulic Excavator Specifications

## Working Ranges

All dimensions are approximate.



**Super Long Reach Boom  
10.2 m**

**Super Long Reach Stick  
7.85 m**

**mm**

<b>1</b> Maximum Digging Depth	14 750
<b>2</b> Maximum Reach at Ground Level	18 420
<b>3</b> Maximum Cutting Height	13 620
<b>4</b> Maximum Loading Height	11 420
<b>5</b> Minimum Loading Height	1 170
<b>6</b> Maximum Depth Cut for 2440 mm Level Bottom	14 650
<b>7</b> Maximum Vertical Wall Digging Depth	12 690

## Operating Weight and Ground Pressure

	900 mm Triple Grouser Shoes		800 mm Triple Grouser Shoes		700 mm Triple Grouser Shoes		600 mm Triple Grouser Shoes	
	kg	kPa	kg	kPa	kg	kPa	kg	kPa
<b>Long Undercarriage</b>								
HD Reach Boom – 6.15 m								
R3.2CB2 HD	30 187	41.2	29 827	45.8	29 207	51.2	28 867	59.1
R2.65CB2 HD	30 037	41.0	29 677	45.5	29 057	51.0	28 717	58.8
ES Reach Boom – 6.15 m								
R3.2CB2 ES	30 527	41.6	30 167	46.3	29 547	52.5	29 207	59.8
R2.65CB2 ES	30 357	41.4	29 997	46.0	29 377	52.2	29 037	59.4
Mass Boom – 5.55 m								
M2.5DB	30 477	41.6	30 117	46.2	29 497	51.7	29 157	59.7
Super Long Reach Boom – 10.2 m								
7.85 m (SLR)	31 639	43.2	31 279	48.0	30 659	53.8	30 319	62.0
<b>Long Narrow Undercarriage</b>								
HD Reach Boom – 6.15 m								
R3.2CB2 HD	–	–	30 017	46.1	29 397	51.6	29 057	59.5
R2.65CB2 HD	–	–	29 847	45.8	29 227	51.3	28 887	59.1
ES Reach Boom – 6.15 m								
R3.2CB2 ES	–	–	30 167	46.3	29 547	52.5	29 207	59.8
R2.65CB2 ES	–	–	29 997	46.0	29 377	52.2	29 037	59.4
Mass Boom – 5.55 m								
M2.5DB	–	–	30 117	46.2	29 497	51.7	29 157	59.7

# 329E Hydraulic Excavator Specifications

## Major Component Weights

	kg
<b>Base Machine (with boom cylinder, without counterweight, front linkage and track)</b>	
Long Undercarriage	15 500
Long Narrow Undercarriage	15 500
<b>Counterweight</b>	
5.8 mt	5810
6.75 mt	6750
<b>Boom (includes lines, pins and stick cylinder)</b>	
HD Reach Boom – 6.15 m	1950
ES Reach Boom – 6.15 m	2100
Mass Boom – 5.55 m	2020
Super Long Reach – 10.2 m	2800
<b>Stick (includes lines, pins and bucket cylinder)</b>	
R3.2CB2 HD	980
R2.65CB2 HD	830
R3.2CB2 ES	1170
R2.65CB2 ES	1000
M2.5DB	1020
7.85 m (SLR)	1400
<b>Track Shoe (Long/per two tracks)</b>	
600 mm Triple Grouser	3580
600 mm Triple Grouser Heavy Duty	4120
700 mm Triple Grouser Heavy Duty	4280
800 mm Triple Grouser	4540
900 mm Triple Grouser	4900
<b>Track Shoe (Long Narrow/per two tracks)</b>	
600 mm Triple Grouser	3580
600 mm Triple Grouser Heavy Duty	4120
700 mm Triple Grouser Heavy Duty	4280
800 mm Triple Grouser	4540
<b>Buckets</b>	
CB1 1200HD – 1.33 m <sup>3</sup>	1047
CB1 1350HD – 1.54 m <sup>3</sup>	1096
DB 1500GD – 1.87 m <sup>3</sup>	1227
A 1145DC – 0.6 m <sup>3</sup>	288.9

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

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

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

## Bucket and Stick Forces

Stick	Reach Booms 6.15 m				Mass Boom 5.55 m	Super Long Reach Boom 10.2 m
	CB-Family Bucket		CB-Family Bucket for CW-40		DB-Family Bucket	A-Family Bucket
	R3.2CB2 kN	R2.65CB2 kN	R3.2CB2 kN	R2.65CB2 kN	M2.5DB kN	Super Long Reach 7.85 m kN
General Duty						
Bucket Digging Force (ISO)	180	180	164	164	212	–
Stick Digging Force (ISO)	126	145	122	139	153	–
General Duty Capacity						
Bucket Digging Force (ISO)	175	175	–	–	–	–
Stick Digging Force (ISO)	125	143	–	–	–	–
Heavy Duty						
Bucket Digging Force (ISO)	179	179	163	163	210	–
Stick Digging Force (ISO)	126	145	122	139	152	–
Heavy Duty - Power						
Bucket Digging Force (ISO)	196	196	–	–	–	–
Stick Digging Force (ISO)	128	147	–	–	–	–
Severe Duty						
Bucket Digging Force (ISO)	179	179	–	–	–	–
Stick Digging Force (ISO)	126	145	–	–	–	–
Ditch Cleaning						
Bucket Digging Force (ISO)	–	–	–	–	–	60
Stick Digging Force (ISO)	–	–	–	–	–	45

Stick	Reach Booms 6.15 m			
	CB-Family Bucket for CW-45		CB-Family Bucket for CW-45S	
	R3.2CB2 kN	R2.65CB2 kN	R3.2CB2 kN	R2.65CB2 kN
General Duty				
Bucket Digging Force (ISO)	164	164	165	165
Stick Digging Force (ISO)	122	139	121	139
Heavy Duty				
Bucket Digging Force (ISO)	164	164	164	164
Stick Digging Force (ISO)	122	139	121	138

## Tip Radius

	CB-Family Bucket	CB-Family Bucket for CW-45	DB-Family Bucket	A-Family Bucket
General Duty	1623 mm	1772 mm	1745 mm	–
General Duty Capacity	1656 mm	–	–	–
Heavy Duty	1650 mm	1798 mm	1779 mm	–
Severe Duty	1650 mm	–	–	–
Ditch Cleaning	–	–	–	1092 mm

# 329E Hydraulic Excavator Specifications

## 329E L Heavy Duty Reach Boom Lift Capacities



Load Point Height



Load at Maximum Reach



Load Radius Over Front



















Load Radius Over Side

**Boom** – 6.15 m  
**Stick** – R3.2CB2

**Counterweight** – 5.8 mt  
**Shoes** – 600 mm triple grouser
















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

		1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		9.0 m				m
																
7.5 m	kg													*5600	*5600	7.27
6.0 m	kg									*7850	6050			*5350	5150	8.23
4.5 m	kg							*9200	8300	*8350	5900			*5300	4550	8.82
3.0 m	kg					*14 150	12 050	*10 750	7900	8750	5750	*6500	4350	*5450	4250	9.13
1.5 m	kg					*16 900	11 350	12 000	7550	8550	5550	6550	4250	*5800	4150	9.19
Ground Line	kg					*18 150	11 000	11 750	7300	8400	5400			*6350	4200	8.99
-1.5 m	kg	*6750	*6750	*10 600	*10 600	*18 150	10 900	11 600	7200	8300	5300			6950	4500	8.52
-3.0 m	kg	*12 100	*12 100	*17 150	*17 150	*17 050	10 950	11 600	7200	8350	5350			8000	5150	7.74
-4.5 m	kg			*19 750	*19 750	*14 500	11 200	*10 750	7400					*9400	6650	6.51

**Boom** – 6.15 m  
**Stick** – R3.2CB2

**Counterweight** – 5.8 mt  
**Shoes** – 700 mm triple grouser















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

		1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		9.0 m				m
																
7.5 m	kg													*5600	*5600	7.27
6.0 m	kg									*7850	6100			*5350	5250	8.23
4.5 m	kg							*9200	8400	*8350	5950			*5300	4600	8.82
3.0 m	kg					*14 150	12 200	*10 750	8000	8850	5800	*6500	4400	*5450	4300	9.13
1.5 m	kg					*16 900	11 450	12 150	7650	8650	5600	6600	4300	*5800	4200	9.19
Ground Line	kg					*18 150	11 100	11 850	7400	8500	5450			*6350	4250	8.99
-1.5 m	kg	*6750	*6750	*10 600	*10 600	*18 150	11 000	11 750	7250	8400	5400			7050	4550	8.52
-3.0 m	kg	*12 100	*12 100	*17 150	*17 150	*17 050	11 050	11 750	7300	8450	5400			8100	5200	7.74
-4.5 m	kg			*19 750	*19 750	*14 500	11 300	*10 750	7450					*9400	6700	6.51

**Boom** – 6.15 m  
**Stick** – R2.65CB2

**Counterweight** – 5.8 mt  
**Shoes** – 600 mm triple grouser

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

		1.5 m		3.0 m		4.5 m		6.0 m		7.5 m				m
														
7.5 m	kg											*7350	7250	6.67
6.0 m	kg							*8900	8500	*8350	6000	*6900	5750	7.70
4.5 m	kg					*12 250	*12 250	*10 000	8250	8950	5900	*6850	5000	8.33
3.0 m	kg					*15 450	11 900	*11 450	7900	8750	5750	*7000	4650	8.66
1.5 m	kg					*16 500	11 300	12 000	7550	8600	5550	6900	4500	8.72
Ground Line	kg					*17 550	11 050	11 800	7350	8450	5450	7050	4600	8.51
-1.5 m	kg			*10 350	*10 350	*17 950	11 050	11 700	7300	8400	5450	7700	5000	8.01
-3.0 m	kg			*19 400	*19 400	*16 400	11 150	11 800	7350			9100	5850	7.17
-4.5 m	kg			*17 250	*17 250	*13 100	11 450					*9550	7950	5.83

\*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 L Extreme Service Boom Lift Capacities



Load Point Height



Load at Maximum Reach



Load Radius Over Front



Load Radius Over Side

**Boom** – 6.15 m

















**Stick** – R3.2CB2

**Counterweight** – 5.8 mt

**Shoes** – 600 mm triple grouser

**Bucket** – None

**Heavy Lift** – On

		1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		9.0 m				m	
																	
7.5 m	kg														*5550	*5550	7.27
6.0 m	kg									*7750	5950				*5300	5050	8.23
4.5 m	kg							*9050	8200	*8200	5800				*5250	4450	8.82
3.0 m	kg					*13 950	11 900	*10 550	7800	8650	5600	*6450	4250	*5400	4150	9.13	
1.5 m	kg					*16 650	11 100	11 850	7400	8450	5400	6400	4150	*5750	4000	9.19	
Ground Line	kg					*17 900	10 750	11 550	7100	8250	5250			*6300	4100	8.99	
-1.5 m	kg	*6700	*6700	*10 550	*10 550	*17 850	10 600	11 400	7000	8150	5150			6850	4350	8.52	
-3.0 m	kg	*12 050	*12 050	*17 100	*17 100	*16 750	10 700	11 450	7050	8250	5200			7900	5000	7.74	
-4.5 m	kg			*19 400	*19 400	*14 250	10 950	*10 550	7200					*9200	6500	6.51	

**Boom** – 6.15 m















**Stick** – R2.65CB2

**Counterweight** – 5.8 mt

**Shoes** – 600 mm triple grouser

**Bucket** – None

**Heavy Lift** – On

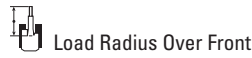
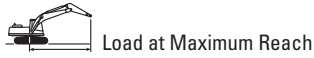
		1.5 m		3.0 m		4.5 m		6.0 m		7.5 m				m
														
7.5 m	kg											*7300	7150	6.67
6.0 m	kg							*8800	8450	*8350	5900	*6900	5650	7.70
4.5 m	kg					*12 100	*12 100	*9850	8150	*8800	5800	*6800	4900	8.33
3.0 m	kg					*15 250	11 700	*11 300	7750	8650	5600	6950	4500	8.66
1.5 m	kg					*16 500	11 050	11 850	7400	8450	5450	6800	4400	8.72
Ground Line	kg					*17 500	10 800	11 600	7200	8350	5300	6950	4500	8.51
-1.5 m	kg			*10 300	*10 300	*17 700	10 800	11 550	7150	8300	5300	7600	4850	8.01
-3.0 m	kg			*19 350	*19 350	*16 100	10 950	11 650	7200			8950	5700	7.17
-4.5 m	kg			*16 950	*16 950	*12 850	11 250					*9350	7800	5.83

\*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















## 329E L Mass Boom Lift Capacities



**Boom** – 5.55 m  
**Stick** – M2.5DB

**Counterweight** – 5.8 mt  
**Shoes** – 600 mm triple grouser

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

		1.5 m		3.0 m		4.5 m		6.0 m		7.5 m				m
														
7.5 m	kg											*8650	*8650	5.49
6.0 m	kg							*9650	8400			*8050	7000	6.71
4.5 m	kg					*12 250	*12 250	*10 400	8200			*8000	5850	7.43
3.0 m	kg					*15 200	12 050	*11 650	7850	8700	5650	8150	5300	7.80
1.5 m	kg					*17 550	11 400	12 050	7550	8550	5500	7950	5150	7.87
Ground Line	kg					*18 400	11 050	11 800	7350	8450	5400	8250	5300	7.63
-1.5 m	kg			*17 350	*17 350	*17 750	11 050	11 750	7300			9200	5850	7.08
-3.0 m	kg			*21 150	*21 150	*15 550	11 200	*11 200	7450			*10 900	7250	6.10

\*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 L 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**

















**Counterweight – 6.75 mt**















**Bucket – None**

**Stick – 7.85 m Super Long Reach**

**Shoes – 800 mm triple grouser with step**

**Heavy Lift – On**

		1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		9.0 m				m
																
12.0 m	kg													*1350	*1350	14.02
10.5 m	kg													*1300	*1300	15.00
9.0 m	kg													*1250	*1250	15.77
7.5 m	kg													*1250	*1250	16.37
6.0 m	kg													*1250	*1250	16.81
4.5 m	kg													*1300	*1300	17.10
3.0 m	kg			*4150	*4150							*4650	*4650	*1350	*1350	17.27
1.5 m	kg			*1550	*1550	*5200	*5200	*8300	7500	*6400	5600	*5350	4350	*1400	*1400	17.29
Ground Line	kg			*1650	*1650	*3600	*3600	*8250	6750	*7350	5100	*6000	4050	*1450	*1450	17.19
-1.5 m	kg	*1650	*1650	*2150	*2150	*3550	*3550	*6500	6300	7900	4750	6150	3800	*1550	1500	16.95
-3.0 m	kg	*2250	*2250	*2750	*2750	*3900	*3900	*6250	6050	7650	4550	5950	3600	*1650	1500	16.58
-4.5 m	kg	*2850	*2850	*3350	*3350	*4450	*4450	*6550	5900	7500	4400	5850	3450	*1850	1600	16.05
-6.0 m	kg	*3450	*3450	*4050	*4050	*5150	*5150	*7250	5900	7450	4350	5800	3400	*2050	1700	15.36
-7.5 m	kg	*4150	*4150	*4800	*4800	*6000	*6000	*8250	5950	7500	4350	5800	3400	*2400	1850	14.47
-9.0 m	kg	*4850	*4850	*5650	*5650	*7050	*7050	*9650	6100	7550	4450	5850	3450	*2950	2100	13.36
-10.5 m	kg	*5650	*5650	*6650	*6650	*8350	*8350	*9950	6300	7750	4600	5950	3600	*3900	2550	11.96
-12.0 m	kg			*7800	*7800	*10 100	*10 100	*8650	6600	*7050	4850	*5800	3800	*4900	3300	10.15
-13.5 m	kg													*5550	*5550	7.10

		10.5 m		12.0 m		13.5 m		15.0 m		16.5 m				m
														
12.0 m	kg											*1350	*1350	14.02
10.5 m	kg											*1300	*1300	15.00
9.0 m	kg							*2050	*2050			*1250	*1250	15.77
7.5 m	kg					*3000	2800	*2550	2300			*1250	*1250	16.37
6.0 m	kg					*3150	2750	*2950	2250	*1700	*1700	*1250	*1250	16.81
4.5 m	kg			*3500	3200	*3350	2600	*3300	2150	*2100	1750	*1300	*1300	17.10
3.0 m	kg	*4200	3750	*3850	3050	*3600	2500	3300	2050	*2350	1700	*1350	*1350	17.27
1.5 m	kg	*4650	3500	*4200	2850	3750	2350	3200	2000	*2550	1650	*1400	*1400	17.29
Ground Line	kg	*5150	3300	4300	2700	3650	2250	3100	1900	*2550	1600	*1450	*1450	17.19
-1.5 m	kg	5000	3100	4150	2550	3500	2150	3000	1800	*2400	1550	*1550	1500	16.95
-3.0 m	kg	4850	2950	4050	2450	3450	2050	2950	1750	*1850	1550	*1650	1500	16.58
-4.5 m	kg	4750	2850	3950	2350	3400	2000	2950	1750			*1850	1600	16.05
-6.0 m	kg	4700	2800	3900	2350	3350	2000	2950	1750			*2050	1700	15.36
-7.5 m	kg	4700	2800	3950	2350	3400	2000					*2400	1850	14.47
-9.0 m	kg	4750	2850	4000	2400							*2950	2100	13.36
-10.5 m	kg	4850	2950									*3900	2550	11.96
-12.0 m	kg											*4900	3300	10.15
-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

## 329E LN Heavy Duty Reach Boom Lift Capacities



Load Point Height



Load at Maximum Reach



Load Radius Over Front



Load Radius Over Side

**Boom** – 6.15 m

















**Stick** – R3.2CB2

**Counterweight** – 5.8 mt

**Shoes** – 600 mm triple grouser

**Bucket** – None

**Heavy Lift** – On

		1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		9.0 m				m	
																	
7.5 m	kg														*5600	*5600	7.27
6.0 m	kg									*7850	5600				*5350	4800	8.23
4.5 m	kg							*9200	7700	*8350	5500				*5300	4250	8.82
3.0 m	kg					*14 150	11 050	*10 750	7300	8800	5300	*6500	4000	*5450	3950	9.13	
1.5 m	kg					*16 900	10 350	12 050	6950	8600	5100	6550	3950	*5800	3800	9.19	
Ground Line	kg					*18 150	10 000	11 750	6700	8400	4950			*6350	3900	8.99	
-1.5 m	kg	*6750	*6750	*10 600	*10 600	*18 150	9900	11 650	6600	8350	4900			7000	4150	8.52	
-3.0 m	kg	*12 100	*12 100	*17 150	*17 150	*17 050	9950	11 650	6600	8400	4950			8050	4750	7.74	
-4.5 m	kg			*19 750	*19 750	*14 500	10 200	*10 750	6800					*9400	6100	6.51	

**Boom** – 6.15 m















**Stick** – R2.65CB2

**Counterweight** – 5.8 mt

**Shoes** – 600 mm triple grouser

**Bucket** – None

**Heavy Lift** – On

		1.5 m		3.0 m		4.5 m		6.0 m		7.5 m				m
														
7.5 m	kg											*7350	6700	6.67
6.0 m	kg							*8900	7900	*8350	5550	*6900	5300	7.70
4.5 m	kg					*12 250	11 700	*10 000	7650	*8950	5450	*6850	4650	8.33
3.0 m	kg					*15 450	10 850	*11 450	7250	8800	5300	*7000	4300	8.66
1.5 m	kg					*16 500	10 300	12 050	6950	8600	5150	6900	4200	8.72
Ground Line	kg					*17 550	10 050	11 800	6750	8500	5050	7100	4250	8.51
-1.5 m	kg			*10 350	*10 350	*17 950	10 050	11 750	6700	8450	5000	7700	4600	8.01
-3.0 m	kg			*19 400	*19 400	*16 400	10 150	11 800	6750			9100	5400	7.17
-4.5 m	kg			*17 250	*17 250	*13 100	10 450					*9550	7300	5.83

\*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 LN Extreme Service Boom Lift Capacities



Load Point Height



Load at Maximum Reach



Load Radius Over Front



Load Radius Over Side

**Boom** – 6.15 m

**Stick** – R3.2CB2

**Counterweight** – 5.8 mt

**Shoes** – 600 mm triple grouser

**Bucket** – None

**Heavy Lift** – On

		1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		9.0 m				m	
7.5 m	kg														*5550	*5550	7.27
6.0 m	kg									*7750	5500				*5300	4700	8.23
4.5 m	kg							*9050	7600	*8200	5350				*5250	4100	8.82
3.0 m	kg					*13 950	10 900	*10 550	7150	8700	5150	*6450	3900	*5400	3800	9.13	
1.5 m	kg					*16 650	10 100	11 900	6800	8450	4950	6450	3800	*5750	3700	9.19	
Ground Line	kg					*17 900	9750	11 600	6550	8250	4800			*6300	3750	8.99	
-1.5 m	kg	*6700	*6700	*10 550	*10 550	*17 850	9650	11 450	6400	8200	4750			6850	4000	8.52	
-3.0 m	kg	*12 050	*12 050	*17 100	*17 100	*16 750	9700	11 450	6450	8250	4800			7900	4600	7.74	
-4.5 m	kg			*19 400	*19 400	*14 250	9950	*10 550	6600					*9200	5950	6.51	

**Boom** – 6.15 m

**Stick** – R2.65CB2

**Counterweight** – 5.8 mt

**Shoes** – 600 mm triple grouser

**Bucket** – None

**Heavy Lift** – On

		1.5 m		3.0 m		4.5 m		6.0 m		7.5 m				m
7.5 m	kg											*7300	6650	6.67
6.0 m	kg							*8800	7800	*8350	5450	*6900	5200	7.70
4.5 m	kg					*12 100	11 600	*9850	7500	*8800	5350	*6800	4550	8.33
3.0 m	kg					*15 250	10 700	*11 300	7150	8700	5200	6950	4200	8.66
1.5 m	kg					*16 500	10 050	11 900	6800	8500	5000	6800	4050	8.72
Ground Line	kg					*17 500	9850	11 650	6600	8350	4900	7000	4150	8.51
-1.5 m	kg			*10 300	*10 300	*17 700	9800	11 600	6550	8300	4850	7600	4500	8.01
-3.0 m	kg			*19 350	*19 350	*16 100	9950	11 650	6600			9000	5250	7.17
-4.5 m	kg			*16 950	*16 950	*12 850	10 250					*9350	7200	5.83

\*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














## 329E LN Mass Boom Lift Capacities



**Boom** – 5.55 m  
**Stick** – M2.5DB

**Counterweight** – 5.8 mt  
**Shoes** – 600 mm triple grouser

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

		1.5 m		3.0 m		4.5 m		6.0 m		7.5 m				m
														
7.5 m	kg											*8650	*8650	5.49
6.0 m	kg							*9650	7800			*8050	6450	6.71
4.5 m	kg					*12 250	11 800	*10 400	7600			*8000	5400	7.43
3.0 m	kg					*15 200	11 000	*11 650	7250	8700	5200	8200	4900	7.80
1.5 m	kg					*17 550	10 350	12 050	6950	8550	5100	7950	4750	7.87
Ground Line	kg					*18 400	10 100	11 850	6750	8450	5000	8250	4900	7.63
-1.5 m	kg			*17 350	*17 350	*17 750	10 050	11 750	6700			9200	5400	7.08
-3.0 m	kg			*21 150	19 850	*15 550	10 200	*11 200	6800			*10 900	6700	6.10

\*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	ES & HD Reach Booms		Mass Boom
	R3.2	R2.65	M2.5
Stick Size			
Hydraulic Hammer	H120E s H130E s H140D s	H120E s H130E s H140D s	H120E s H130E s H140D s
Multi-Processor	MP20	MP20	MP20 MP30**
Crusher	P325	P325	P325
Pulverizer	P225	P225	P225 P235
Demolition and Sorting Grapple	G320B G325B	G320B G325B	G325B G330
Mobile Scrap and Demolition Shear	S320B S325B** S340B***	S320B S325B S340B***	S320B S325B S340B***
Compactor (Vibratory Plate)	CVP110	CVP110	CVP110
Orange Peel Grapple			
Ripper			
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.

## Bucket Specifications and Compatibility

	Linkage	Width	Capacity	Weight	Fill	Reach Boom (HD)		Reach Boom (ES)		Super Long Reach	Mass Boom
		mm	m <sup>3</sup>	kg	%	R2.65 HD	R3.2 HD	R2.65 ES	R3.2 ES	7.85	M2.5
<b>Without Quick Coupler</b>						<b>329E L</b>					
Ditch Cleaning (DC)	A	1238	0.57	289	100%					⊙	
	A	770	0.69	377	100%					○	
General Duty (GD)	CB	750	0.71	730	100%	●	●	●	●		
	CB	1050	1.12	864	100%	●	●	●	●		
	CB	1200	1.33	927	100%	●	●	●	●		
	CB	1350	1.54	1009	100%	●	●	●	●		
	CB	1500	1.76	1074	100%	●	X	●	⊙		
	DB	1350	1.64	1173	100%						●
	DB	1500	1.88	1275	100%						●
	DB	1650	2.12	1352	100%						●
	DB	1800	2.36	1453	100%						X
Heavy Duty (HD)	CB	1350	1.54	1134	100%	●	●	●	⊙		
	CB	1500	1.76	1229	100%	●	X	●	⊖		
	DB	1350	1.64	1447	100%						●
	DB	1500	1.88	1542	100%						●
	DB	1650	2.12	1673	100%						⊙
Severe Duty (SD)	CB	1350	1.56	1245	90%	●	●	●	●		
	DB	1650	2.15	1827	90%						●
Maximum load pin-on (payload + bucket)					kg	4955	4485	4830	4165	1145	5725
<b>Without Quick Coupler</b>						<b>329E LN</b>					
Ditch Cleaning (DC)	A	1238	0.57	289	100%					⊙	
	A	770	0.69	377	100%					○	
General Duty (GD)	CB	750	0.71	730	100%	●	●	●	●		
	CB	1050	1.12	864	100%	●	●	●	●		
	CB	1200	1.33	927	100%	●	●	●	●		
	CB	1350	1.54	1009	100%	●	⊙	●	⊙		
	CB	1500	1.76	1074	100%	⊙	X	⊙	⊖		
	DB	1350	1.64	1173	100%						●
	DB	1500	1.88	1275	100%						●
	DB	1650	2.12	1352	100%						⊙
	DB	1800	2.36	1453	100%						X
Heavy Duty (HD)	CB	1350	1.54	1134	100%	●	⊙	●	⊙		
	CB	1500	1.76	1229	100%	⊙	X	⊙	⊖		
	DB	1350	1.64	1447	100%						●
	DB	1500	1.88	1542	100%						⊙
	DB	1650	2.12	1673	100%						⊖
Severe Duty (SD)	CB	1350	1.56	1245	90%	●	⊙	●	⊙		
	DB	1650	2.15	1827	90%						⊖
Maximum load pin-on (payload + bucket)					kg	4400	3970	4260	3790	1145	5075

### Maximum Material Density:

- 2100 kg/m<sup>3</sup>
- ⊙ 1800 kg/m<sup>3</sup>
- ⊖ 1500 kg/m<sup>3</sup>
- 1200 kg/m<sup>3</sup>
- X Not Recommended

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.

# 329E Hydraulic Excavator Specifications

## Bucket Specifications and Compatibility

	Linkage	Width	Capacity	Weight	Fill	Reach Boom (HD)		Reach Boom (ES)		Super Long Reach	Mass Boom
		mm	m <sup>3</sup>	kg	%	R2.65 HD	R3.2 HD	R2.65 ES	R3.2 ES	7.85	M2.5
<b>With Quick Coupler (CW45, CW45s)</b>						<b>329E L</b>					
General Duty (GD)	CB	750	0.71	693	100%	●	●	●	●		
	CB	1350	1.54	1008	100%	●	⊙	●	⊙		
	CB	1500	1.76	1074	100%	⊙	⊖	⊙	⊖		
	CB	1650	1.97	1157	100%	⊖	⊖	⊖	○		
	DB	1050	1.17	986	100%						●
	DB	1200	1.40	1064	100%						●
	DB	1350	1.64	1142	100%						●
	DB	1500	1.88	1245	100%						●
Heavy Duty (HD)	DB	1650	2.12	1323	100%						⊙
	CB	1200	1.33	1061	100%	●	●	●	●		
	CB	1350	1.54	1134	100%	●	⊙	●	⊖		
	CB	1500	1.76	1229	100%	⊙	⊖	⊙	○		
	CB	1650	1.97	1302	100%	⊖	○	⊖	○		
	DB	1350	1.64	1417	100%						●
	DB	750	0.73	973	100%						●
	DB	1500	1.88	1514	100%						⊙
Severe Duty (SD)	DB	1650	2.12	1647	100%						⊖
	DB	1800	2.36	1746	100%						⊖
	DB	1050	1.17	1282	90%						●
		1500	1.91	1661	90%						●
		1650	2.15	1802	90%						⊙
Maximum load with coupler (payload + bucket)					kg	4491	4021	4366	3701		5235

### Maximum Material Density:

- 2100 kg/m<sup>3</sup>
- ⊙ 1800 kg/m<sup>3</sup>
- ⊖ 1500 kg/m<sup>3</sup>
- 1200 kg/m<sup>3</sup>
- X Not Recommended

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)		Reach Boom (ES)		Super Long Reach	Mass Boom
		mm	m <sup>3</sup>	kg	%	R2.65 HD	R3.2 HD	R2.65 ES	R3.2 ES	7.85	M2.5
<b>With Quick Coupler (CW45, CW45s)</b>						<b>329E LN</b>					
General Duty (GD)	CB	750	0.71	693	100%	●	●	●	●		
	CB	1350	1.54	1008	100%	⊙	⊖	⊙	⊖		
	CB	1500	1.76	1074	100%	⊖	○	⊖	○		
	CB	1650	1.97	1157	100%	○	○	○	◇		
	DB	1050	1.17	986	100%						●
	DB	1200	1.40	1064	100%						●
	DB	1350	1.64	1142	100%						●
	DB	1500	1.88	1245	100%						⊙
	DB	1650	2.12	1323	100%						⊖
Heavy Duty (HD)	CB	1200	1.33	1061	100%	●	⊙	●	⊖		
	CB	1350	1.54	1134	100%	⊙	⊖	⊙	○		
	CB	1500	1.76	1229	100%	⊖	○	⊖	○		
	CB	1650	1.97	1302	100%	○	◇	○	◇		
	DB	1350	1.64	1417	100%						⊙
	DB	750	0.73	973	100%						●
	DB	1500	1.88	1514	100%						⊖
	DB	1650	2.12	1647	100%						○
	DB	1800	2.36	1746	100%						○
Severe Duty (SD)	DB	1050	1.17	1282	90%						●
	DB	1500	1.91	1661	90%						⊖
	DB	1650	2.15	1802	90%						⊖
Maximum load with coupler (payload + bucket)					kg	3936	3506	3796	3326		4585

### Maximum Material Density:

- 2100 kg/m<sup>3</sup>
- ⊙ 1800 kg/m<sup>3</sup>
- ⊖ 1500 kg/m<sup>3</sup>
- 1200 kg/m<sup>3</sup>
- ◇ 900 kg/m<sup>3</sup>
- X Not Recommended

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.

# 329E Standard Equipment

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

## ENGINE

- C7.1 diesel engine
- Biodiesel capable
- EU Stage IIIB emissions
- 2300 m 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
- Air pre-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
- Boom lowering control device with SmartBoom™
- 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
- Coat hook
- Beverage holder
- Literature holder
- 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 window and tempered other windows
- Windshield wiper, parallel type
- Sunscreen
- Radio 12V mounting
- Openable roof hatch

## UNDERCARRIAGE

- Grease Lubricated Track GLT2, resin seal
- Towing eye on base frame
- Swivel guard
- HD travel motor guards
- Heavy Duty Roller (Single Flange Roller)

## ELECTRICAL

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

## LIGHTS

- Boom lights 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

## TECHNOLOGY

- Product Link

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

## ENGINE

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

## HYDRAULIC SYSTEM

Additional circuit  
Boom and stick lines  
High-pressure line  
Medium-pressure line  
Cat quick coupler line – high- and medium-pressure capable  
Quick coupler tool control system  
Tool 20, Electronic Control device, 1/2P, common circuit  
Tool 21, Electronic Control device, 1/2P, one-way circuit

## CAB

Seat, high-back air suspension with heater and cooling  
Seat, high-back air suspension with heater  
Travel alarm  
Left pedal  
Straight travel pedal  
Rain protector

## UNDERCARRIAGE

600 mm triple grouser shoes  
600 mm HD triple grouser shoes  
700 mm HD triple grouser shoes  
800 mm triple grouser shoes  
900 mm triple grouser shoes (Long Undercarriage only)  
Guard, full length  
Center track guiding guard  
Segmented (2 piece) track guiding guard

## COUNTERWEIGHT

5.8 mt  
6.75 mt for SLR boom/stick package

## FRONT LINKAGE

Bucket linkage, CB2 family with lifting eye  
Bucket linkage, DB family with lifting eye  
Heavy-duty reach boom 6.15 m  
R2.65CB2 HD 2650 mm stick  
R3.2CB2 HD 3200 mm stick  
Extreme service reach boom 6.15 m  
R2.65CB2 ES 2650 mm stick  
R3.2CB2 ES 3200 mm stick  
Mass boom 5.55 m  
M2.5DB 2500 mm stick  
SLR boom 10.2 m  
7850 mm stick

## LIGHTS

Halogen lights, cab mounted  
HID lights, cab mounted

## SECURITY

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

## TECHNOLOGY

Cat Grade Control Depth and Slope





# 329E Hydraulic Excavator

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

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(EU)

