329E

Hydraulic Excavator



Engine		
Engine Model	Cat® C7.1 ACERT™	
Net Power – SAE J1349/ISO 9249	173 kW	232 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.



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 31
Optional Equipment 32

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

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, rippers, and thumbs. Each is designed to optimize machine versatility and performance.

Couplers

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

Cat Center-Lock™ Pin Grabber Coupler

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

Buckets

Cat Next Generation 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.

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.

Specialty Buckets

In addition to the four levels of bucket durability categories, several specialty buckets are available for the 329E, each with a different purpose:

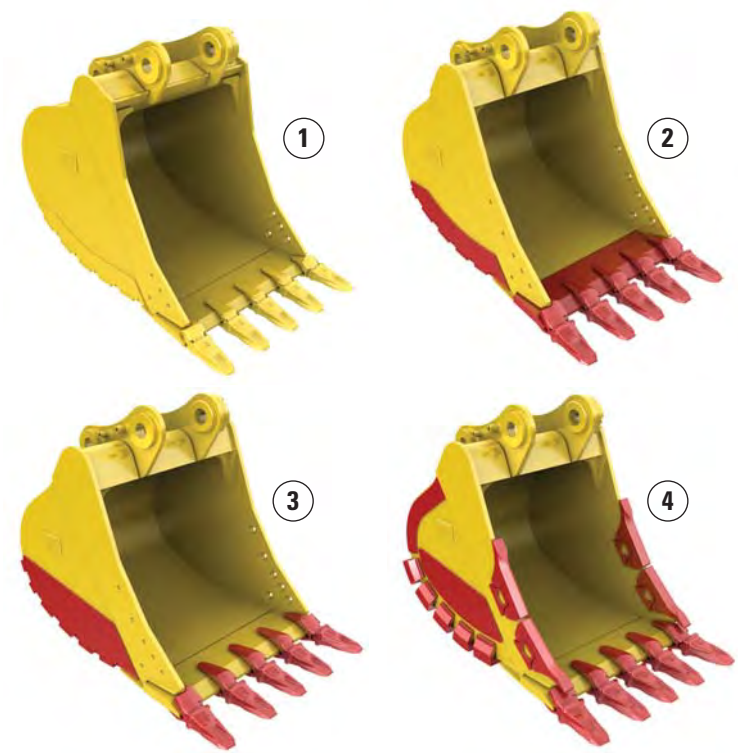
- **Ditch cleaning** for cleaning ditches, slope grading, and other finish work
- **Center-Lock Pin Grabber Performance** for maximum digging performance while keeping the versatility and convenience of a coupler
- **Power** for use in abrasive applications where breakout force and cycle times are critical
- **Wide tip** for low-impact material where leaving a smoother floor and minimal spillage are necessary

Hydraulic Kits

Caterpillar offers field-installed hydraulic kits that are uniquely designed to integrate Cat Work Tools with Cat excavators. Hoses and tubes are pre-made, pre-shaped, and pre-painted to make installation quick and easy.

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

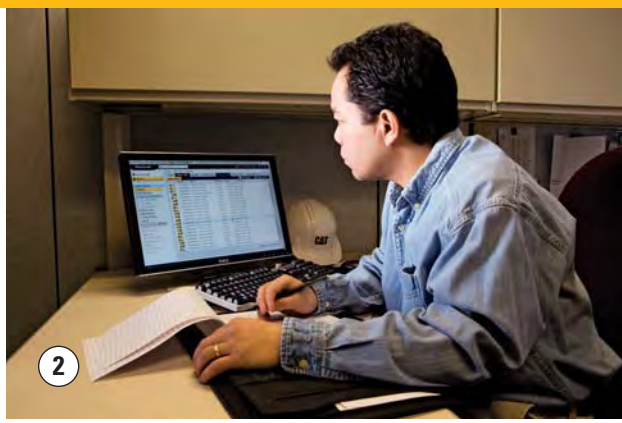
Cat® Grade Control Depth and Slope

This optional system combines traditional machine control and guidance with standard 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

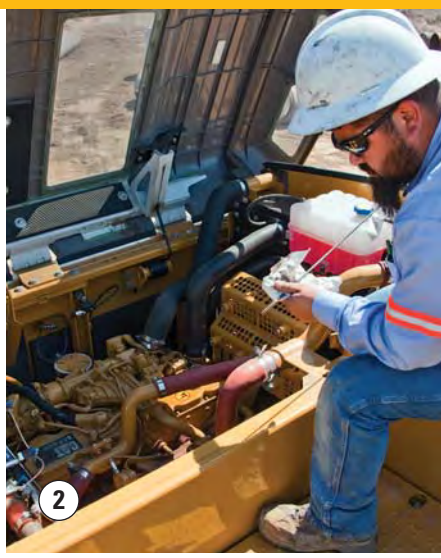
The water separator with water level sensor has a primary fuel filter element located in the pump compartment near ground level; the electric priming pump is mounted on the primary filter base and is easier to service than traditional hand-priming pumps.

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_2 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.

Engine

Engine Model	Cat® C7.1 ACERT™	
Net Power – SAE J1349/ISO 9249	173 kW	232 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 in³

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 m³ (1.74 yd³) bucket, 700 mm (28") TG shoes.

**SLR boom, 7.85 m (25'9") stick, 6.75 mt (7.4 t) counterweight, 0.6 m³ (0.78 yd³) bucket, 800 mm (32") shoes.

Hydraulic System

Main System – Maximum Flow (Total)	494 L/min	130 gal/min
Swing System – Maximum Flow	247 L/min	65 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.

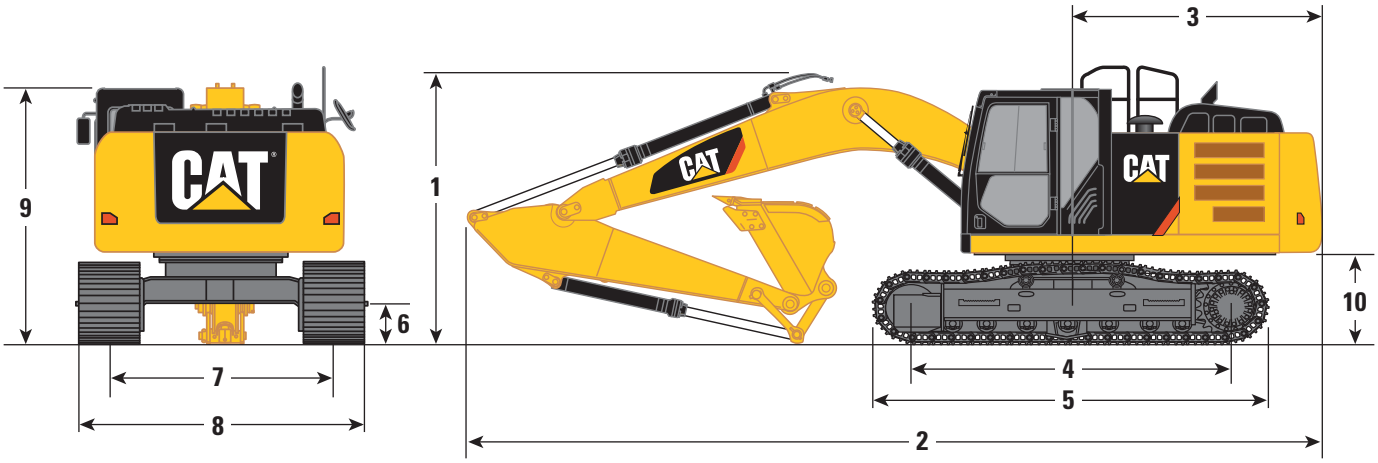
Standards

Brakes	ISO 10265 2008
Cab/FOGS	ISO 10262 1998

329E Hydraulic Excavator Specifications

Dimensions

All dimensions are approximate.



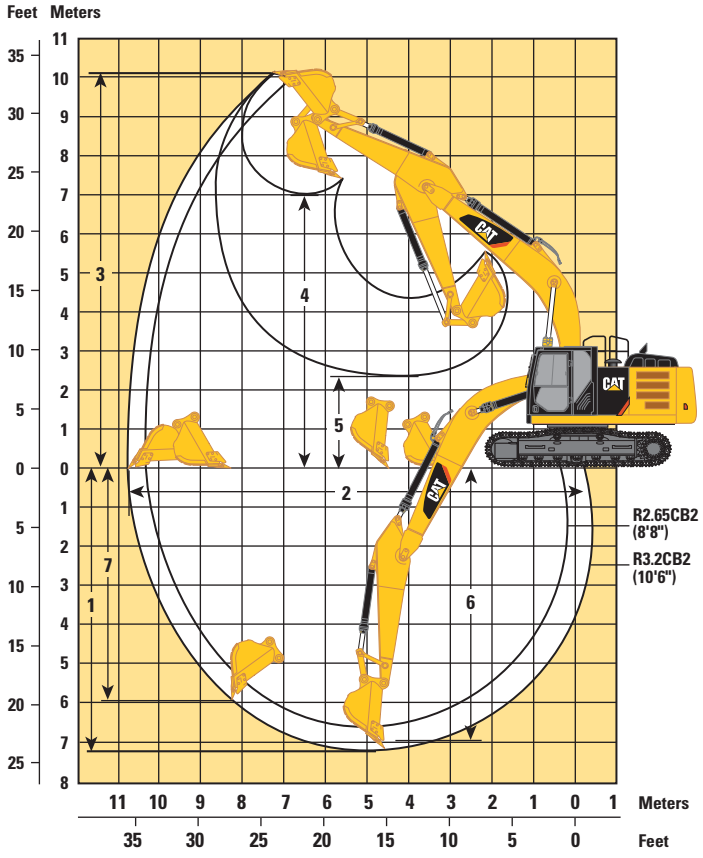
		HD Reach Booms 6.15 m (20'2")		Mass Boom 5.55 m (18'3")	Super Long Reach Boom 10.2 m (33'6")
	Stick	**R3.2CB2 (10'6")**	**R2.65CB2 (8'8")**	**M2.5DB (8'2")**	**Super Long Reach 7.85 m (25'9")**
		mm (ft)	**mm (ft)**	**mm (ft)**	**mm (ft)**
1	Shipping Height*	3372 (11'1")	3450 (11'4")	3520 (11'7")	3229 (10'7")
	Shipping Height with Guard Rail	3328 (10'11")	3328 (10'11")	3328 (10'11")	3328 (10'11")
	Shipping Height with Top Guard	3240 (10'8")	3240 (10'8")	3240 (10'8")	3240 (10'8")
2	Shipping Length	10 386 (34'1")	10 400 (34'1")	9830 (32'3")	14 443 (47'5")
3	Tail Swing Radius	3044 (10'0")	3044 (10'0")	3044 (10'0")	3044 (10'0")
4	Length to Center of Rollers				
	Long Undercarriage	3994 (13'1")	3994 (13'1")	3994 (13'1")	3994 (13'1")
5	Track Length				
	Long Undercarriage	4860 (15'11")	4860 (15'11")	4860 (15'11")	4860 (15'11")
6	Ground Clearance				
	Long Undercarriage	490 (1'7")	490 (1'7")	490 (1'7")	490 (1'7")
7	Track Gauge				
	Long Undercarriage	2590 (8'6")	2590 (8'6")	2590 (8'6")	2590 (8'6")
8	Transport Width				
	Long Undercarriage – 600 mm (24") Shoes	3190 (10'6")	3190 (10'6")	3190 (10'6")	3190 (10'6")
	Long Undercarriage – 700 mm (28") Shoes	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")
9	Cab Height	3044 (10'0")	3044 (10'0")	3044 (10'0")	3044 (10'0")
	Cab Height with Top Guard	3240 (10'8")	3240 (10'8")	3240 (10'8")	3240 (10'8")
10	Counterweight Clearance**	1134 (3'9")	1134 (3'9")	1134 (3'9")	1134 (3'9")

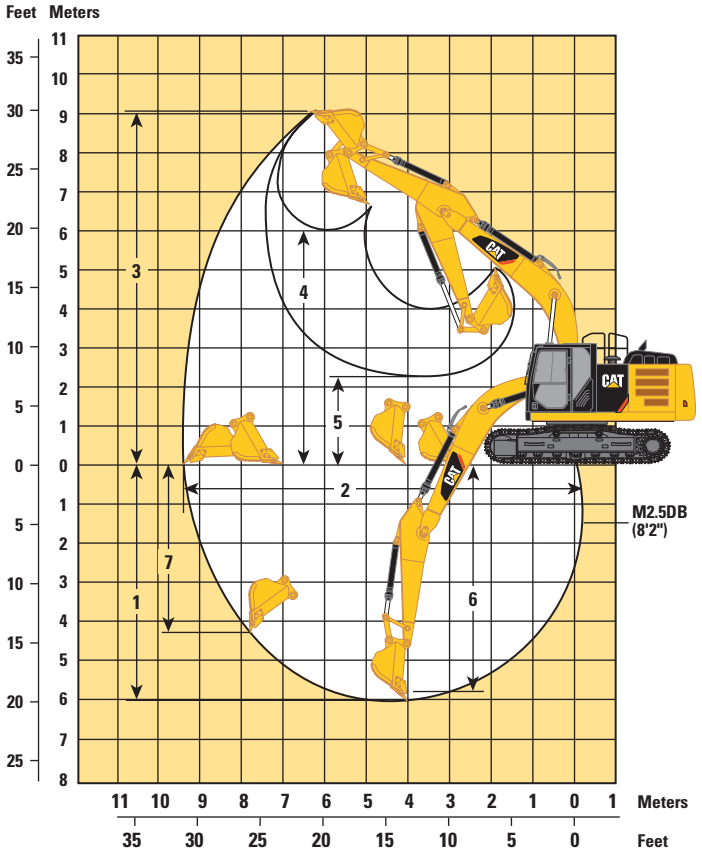
*Including shoe lug height.

**Without shoe lug height.

Working Ranges

All dimensions are approximate.

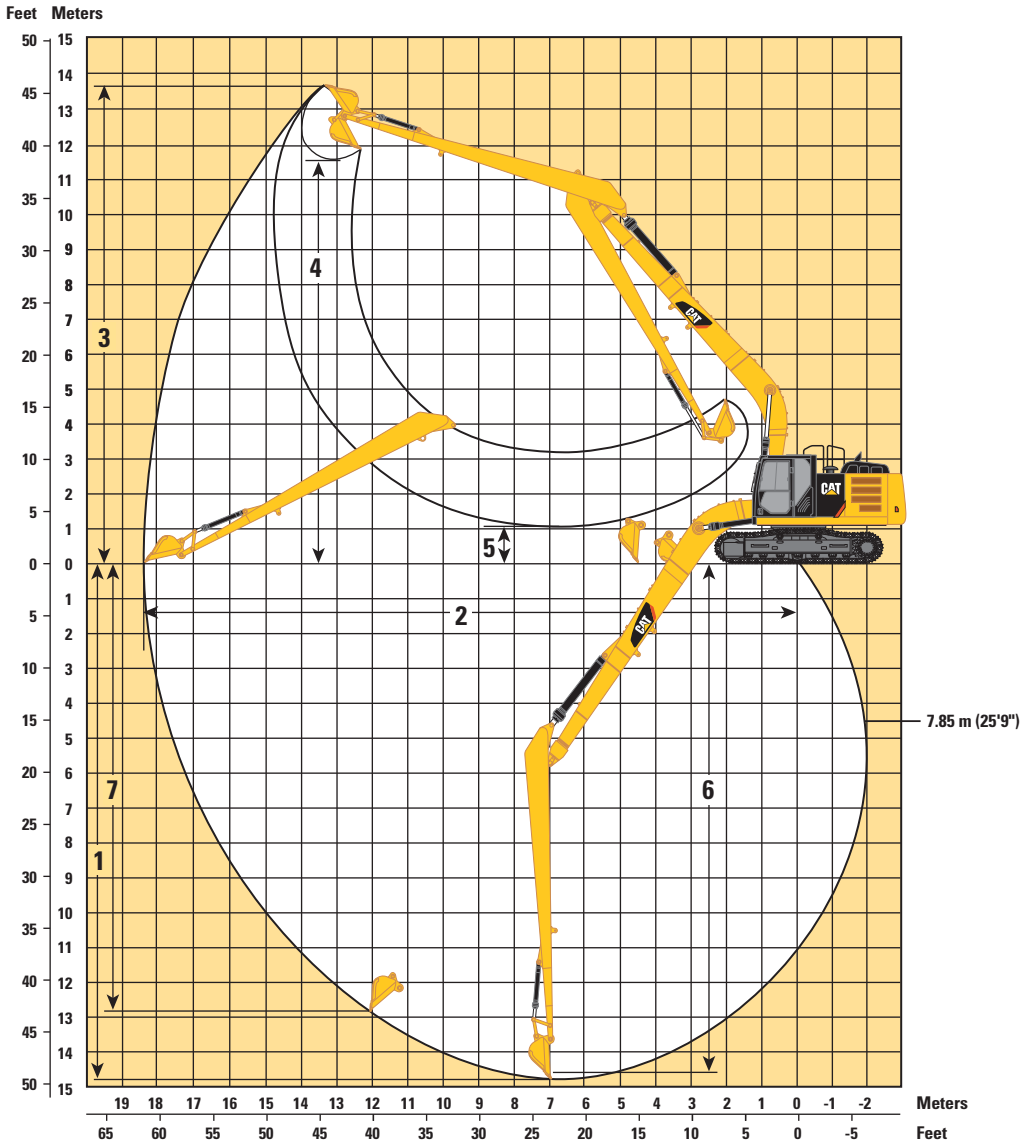




	HD Reach Booms 6.15 m (20'2")		Mass Boom 5.55 m (18'3")
Stick	**R3.2CB2 (10'6")**	**R2.65CB2 (8'8")**	**M2.5DB (8'2")**
	mm (ft)	**mm (ft)**	**mm (ft)**
1 Maximum Digging Depth	7250 (23'9")	6700 (22'0")	6100 (20'0")
2 Maximum Reach at Ground Level	10 680 (35'0")	10 200 (33'6")	9430 (30'11")
3 Maximum Cutting Height	10 010 (32'10")	9900 (32'6")	9130 (29'11")
4 Maximum Loading Height	6950 (22'10")	6800 (22'4")	6000 (19'8")
5 Minimum Loading Height	2290 (7'6")	2840 (9'4")	2470 (8'1")
6 Maximum Depth Cut for 2440 mm (8'0") Level Bottom	7090 (23'3")	6520 (21'5")	5910 (19'5")
7 Maximum Vertical Wall Digging Depth	5980 (19'7")	5680 (18'8")	4250 (13'11")

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)
1 Maximum Digging Depth	14 750 (48'5")
2 Maximum Reach at Ground Level	18 420 (60'5")
3 Maximum Cutting Height	13 620 (44'8")
4 Maximum Loading Height	11 420 (37'6")
5 Minimum Loading Height	1170 (3'10")
6 Maximum Depth Cut for 2440 mm (8'0") Level Bottom	14 650 (48'1")
7 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)
Long Undercarriage				
HD Reach Boom – 6.15 m (20'2")				
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)	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)		
R3.2CB2 (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 Shoe (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^3 (1.74 yd^3)	1047	2,309
CB1 1350HD – 1.54 m^3 (2.01 yd^3)	1096	2,416
DB 1500GD – 1.87 m^3 (2.45 yd^3)	1227	2,705
A 1145DC – 0.6 m^3 (0.78 yd^3)	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.

Bucket and Stick Forces

	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
Stick	**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)**
General Duty				
Bucket Digging Force (ISO)	180 (40,500)	180 (40,500)	212 (47,700)	–
Stick Digging Force (ISO)	126 (28,300)	145 (32,600)	153 (34,400)	–
Bucket Digging Force (SAE)	161 (36,200)	161 (36,200)	188 (42,300)	–
Stick Digging Force (SAE)	123 (27,700)	141 (31,700)	148 (33,300)	–
General Duty Capacity				
Bucket Digging Force (ISO)	175 (39,300)	175 (39,300)	–	–
Stick Digging Force (ISO)	125 (28,100)	143 (32,100)	–	–
Bucket Digging Force (SAE)	158 (35,500)	158 (35,500)	–	–
Stick Digging Force (SAE)	122 (27,400)	139 (31,200)	–	–
Heavy Duty				
Bucket Digging Force (ISO)	179 (40,200)	179 (40,200)	210 (47,200)	–
Stick Digging Force (ISO)	126 (28,300)	145 (32,600)	152 (34,200)	–
Bucket Digging Force (SAE)	158 (35,500)	158 (35,500)	185 (41,600)	–
Stick Digging Force (SAE)	123 (27,700)	140 (31,500)	147 (33,000)	–
Heavy Duty – Power				
Bucket Digging Force (ISO)	196 (44,100)	196 (44,100)	–	–
Stick Digging Force (ISO)	128 (28,800)	147 (33,000)	–	–
Bucket Digging Force (SAE)	172 (38,700)	172 (38,700)	–	–
Stick Digging Force (SAE)	124 (27,900)	141 (31,700)	–	–
Severe Duty				
Bucket Digging Force (ISO)	179 (40,200)	179 (40,200)	–	–
Stick Digging Force (ISO)	126 (28,300)	145 (32,600)	–	–
Bucket Digging Force (SAE)	158 (35,500)	158 (35,500)	–	–
Stick Digging Force (SAE)	123 (27,700)	140 (31,500)	–	–
Ditch Cleaning				
Bucket Digging Force (ISO)	–	–	–	60.49 (13,600)
Stick Digging Force (ISO)	–	–	–	45.16 (10,150)

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 – R3.2CB2 (10'6") **Shoes** – 800 mm (32") triple grouser with step

		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") **Counterweight** – 5.8 mt (6.3 t) **Bucket** – None

Stick – R3.2CB2 (10'6") **Shoes** – 700 mm (28") triple grouser

		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.

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 – R2.65CB2 (8'8")
Counterweight – 5.8 mt (6.3 t)
Shoes – 800 mm (32") triple grouser with step
Bucket – None

		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**							*19,150 **18,950**				*7350 **16,300**	*7350 **16,300**	6.67 **21.52**
6.0 m **20.0 ft**	kg **lb**							*8900 **19,450**	8750 **18,800**	*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 **13,350**	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")
Stick – R2.65CB2 (8'8")
Counterweight – 5.8 mt (6.3 t)
Shoes – 700 mm (28") triple grouser
Bucket – None

		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**							*19,150 **18,650**				*7350 **16,300**	7300 **16,300**	6.67 **21.52**
6.0 m **20.0 ft**	kg **lb**							*8900 **19,450**	8600 **18,500**	*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.

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

		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	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

		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	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.

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")

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

Counterweight – 6.75 mt (7.4 t)

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

Bucket – None

		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 **22,050**	*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.

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")
Stick – 7.85 m (25'9") Super Long Reach
Counterweight – 6.75 mt (7.4 t)
Shoes – 800 mm (32") triple grouser with step
Bucket – None

		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**	2800 **6,000**	*2550 ***5,150**	2300 **4,850**			*1250 ***2,750**	*1250 ***2,750**	16.37 **53.56**
6.0 m **20.0 ft**	kg **lb**					*3150 ***6,900**	2750 **5,850**	*2950 ***6,050**	2250 **4,750**	*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**	3200 **6,900**	*3350 ***7,350**	2600 **5,600**	*3300 ***6,850**	2150 **4,550**	*2100 ***3,850**	1750 **3,750**	*1300 ***2,800**	*1300 ***2,800**	17.10 **56.08**
3.0 m **10.0 ft**	kg **lb**	*4200 ***9,050**	3750 **8,050**	*3850 ***8,350**	3050 **6,500**	*3600 ***7,850**	2500 **5,350**	3300 **7,000**	2050 **4,400**	*2350 ***4,500**	1700 **3,650**	*1350 ***2,900**	*1350 ***2,900**	17.27 **56.63**
1.5 m **5.0 ft**	kg **lb**	*4650 ***10,100**	3500 **7,550**	*4200 ***9,100**	2850 **6,150**	3750 **8,050**	2350 **5,050**	3200 **6,800**	2000 **4,200**	*2550 ***4,800**	1650 **3,500**	*1400 ***3,000**	*1400 ***3,000**	17.29 **56.74**
Ground Line	kg **lb**	*5150 ***11,100**	3300 **7,050**	4300 **9,250**	2700 **5,800**	3650 **7,800**	2250 **4,800**	3100 **6,650**	1900 **4,050**	*2550 ***4,800**	1600 **3,400**	*1450 ***3,150**	*1450 ***3,150**	17.19 **56.40**
–1.5 m **–5.0 ft**	kg **lb**	5000 **10,750**	3100 **6,600**	4150 **8,950**	2550 **5,500**	3500 **7,550**	2150 **4,600**	3000 **6,500**	1800 **3,900**	*2400 ***4,150**	1550 **3,300**	*1550 ***3,400**	1500 **3,250**	16.95 **55.60**
–3.0 m **–10.0 ft**	kg **lb**	4850 **10,400**	2950 **6,300**	4050 **8,700**	2450 **5,250**	3450 **7,400**	2050 **4,450**	2950 **6,350**	1750 **3,750**	*1850	1550	*1650 ***3,650**	1500 **3,300**	16.58 **54.34**
–4.5 m **–15.0 ft**	kg **lb**	4750 **10,200**	2850 **6,100**	3950 **8,500**	2350 **5,100**	3400 **7,250**	2000 **4,300**	2950 **6,300**	1750 **3,700**			*1850 ***4,050**	1600 **3,450**	16.05 **52.56**
–6.0 m **–20.0 ft**	kg **lb**	4700 **10,100**	2800 **6,000**	3900 **8,450**	2350 **5,000**	3350 **7,200**	2000 **4,300**	2950 ***4,950**	1750 **3,750**			*2050 ***4,600**	1700 **3,700**	15.36 **50.22**
–7.5 m **–25.0 ft**	kg **lb**	4700 **10,100**	2800 **6,000**	3950 **8,450**	2350 **5,050**	3400 **7,300**	2000 **4,350**					*2400 ***5,350**	1850 **4,100**	14.47 **47.23**
–9.0 m **–30.0 ft**	kg **lb**	4750 **10,200**	2850 **6,100**	4000 **8,600**	2400 **5,150**							*2950 ***6,600**	2100 **4,700**	13.36 **43.45**
–10.5 m **–35.0 ft**	kg **lb**	4850 **10,500**	2950 **6,400**									*3900 ***8,900**	2550 **5,700**	11.96 **38.66**
–12.0 m **–40.0 ft**	kg **lb**											*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")
Stick – 7.85 m (25'9") Super Long Reach
Counterweight – 6.75 mt (7.4 t)
Shoes – 700 mm (28") triple grouser
Bucket – None

		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.

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")
Stick – 7.85 m (25'9") Super Long Reach
Counterweight – 6.75 mt (7.4 t)
Shoes – 700 mm (28") triple grouser
Bucket – None

		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	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	**R3.2 (10'6")**	**R2.65 (8'8")**	**M2.5 (8'2")**
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**
Mobile Scrap and Demolition Shear	S320B S325B** S340B***	S320B S325B S340B***	S320B S325B S340B***
Compactor (Vibratory Plate)	CVP110	CVP110	CVP110
Contractors' Grapple	G120B – G130B	G120B – G130B	G120B – G130B
Trash Grapple	These work tools are available for the 329E. Consult your Cat dealer for proper match.		
Thumbs			
Rippers			
Rakes			
Center-Lock Pin Grabber Coupler			
Dedicated Quick Coupler			

*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)		Super Long Reach	Mass Boom
		mm	in	m^3	yd^3	kg	lb	%	R3.2 HD (10'6")	R2.65 HD (8'8")	7.85 m (25'9")	M2.5 (8'2")
Without Quick Coupler												
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%	●	◉		
	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	4955	4485	1145	5725
								lb	10,921	9,885	2,524	12,618
Maximum standard bucket width								mm	1524	1524	–	1676
								in	60	60	–	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^3 (3,500 lb/yd^3)
- ◉ 1800 kg/m^3 (3,000 lb/yd^3)
- ○ 1200 kg/m^3 (2,000 lb/yd^3)

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

329E Hydraulic Excavator Specifications

Bucket Specifications and Compatibility

	Linkage	Width		Capacity		Weight		Fill	Reach Boom (HD)		Mass Boom
		mm	in	m^3	yd^3	kg	lb	%	R3.2 HD (10'6")	R2.65 HD (8'8")	M2.5 (8'2")
With Center Lock Coupler											
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	4450	3980	5167
								lb	9,809	8,773	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^3 (3,500 lb/yd^3)
- ◉ 1800 kg/m^3 (3,000 lb/yd^3)
- ⊖ 1500 kg/m^3 (2,500 lb/yd^3)
- ○ 1200 kg/m^3 (2,000 lb/yd^3)

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
- 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 ready

329E 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
- Tool 20, Electronic Control device, (common), 1/2P, common circuit
- Tool 21, Electronic Control device, 1/2P, one-way circuit
- Tool 25, Electronic Control device, 1P, two-way circuit

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
- 600 mm (24") double grouser shoes
- 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 device)
- Rearview camera

TECHNOLOGY
- Cat Grade Control Depth and Slope
- Product Link

Notes

Notes

329E Hydraulic Excavator

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

© 2011 Caterpillar Inc.
All rights reserved

AEHQ6293 (07-2011)
(Americas)

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

CAT, CATERPILLAR, SAFETY.CAT.COM, their respective logos, “Caterpillar Yellow” and the “Power Edge” trade dress, as well as corporate and product identity used herein, are trademarks of Caterpillar and may not be used without permission.