

314E CR/314E L CR

Hydraulic Excavator



Engine

Engine Model	Cat® C4.4 ACERT™	
Net Power – SAE J1349	67 kW	89 hp

Drive

Maximum Travel Speed	5.4 km/h	3.4 mph
Maximum Drawbar Pull	113 kN	25,400 lbf

Weight

Operating Weight			
Standard Undercarriage			
Minimum Weight	13 300 kg		29,300 lb
Maximum Weight	15 200 kg		33,500 lb
Long Undercarriage			
Minimum Weight	15 000 kg		33,100 lb
Maximum Weight	17 100 kg		37,700 lb

If you are looking for a compact, productive, and fuel-efficient 14 metric ton machine, you will find it in the all new 314E CR/314E L CR. Built to meet U.S. Environmental Protection Agency (EPA) Tier 4 Interim emission standards, European Union Stage IIIB emission standards, and Japan MLIT Step 4 emission standards, the 314E CR/314E L CR makes an excellent choice for people who need a well-balanced and versatile utility machine. In fact, this new model comes equipped with several new features and benefits that will please both you and your operators.

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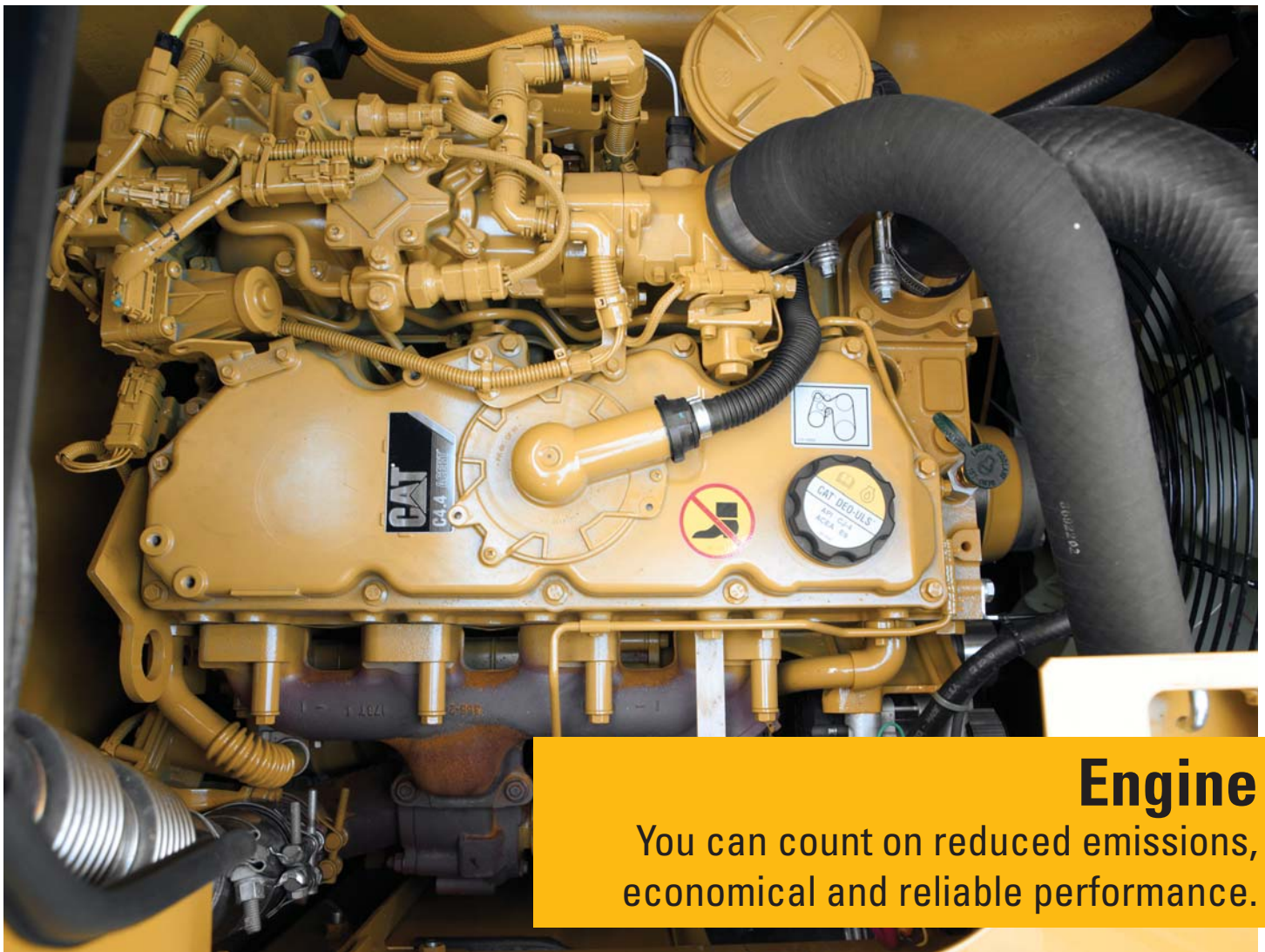
Compact Radius

You can have flexibility and peace of mind in tight quarters.



If your work space is restricted, the 314E CR/314E L CR makes an ideal choice because it can get up close to new residential construction, buildings, fences, hillsides, or any other “crowded” environment with ease.

When rotated 90 degrees and working over the side, the 314E CR/314E L CR’s counterweight extends only 185-285 mm (7.28 in-11.22 in) (depending on track shoe size) beyond the track shoe edge. During the entire 360 swing the counterweight will never protrude beyond the length of the undercarriage. This significantly reduces the risk of your operator damaging the machine and surrounding structures in full swing, which makes for a safer work environment and lower owning and operating costs for your business.



Engine

You can count on reduced emissions,
economical and reliable performance.

The Cat C4.4 ACERT engine is built to meet your demanding needs all day every day. There is no interruption to your job process as our new regeneration system works automatically with no operator intervention required.

Power Modes

The 314E CR/314E L CR features two power modes: High power mode is when you need maximum production; economy mode is when you need to balance performance with fuel economy.

Two additional fuel-saving features are on demand engine power and engine idle shutdown. On demand engine power keeps speed low during light loading and idling and automatically adjusts speed up when it senses a heavier load; engine idle shutdown automatically shuts the engine off when it's been idling for more than a specified amount of time that you set, which can save you significant amounts of fuel, reduce your emissions, and even reduce your accumulated service hours, which will extend service intervals and improve re-sale value.

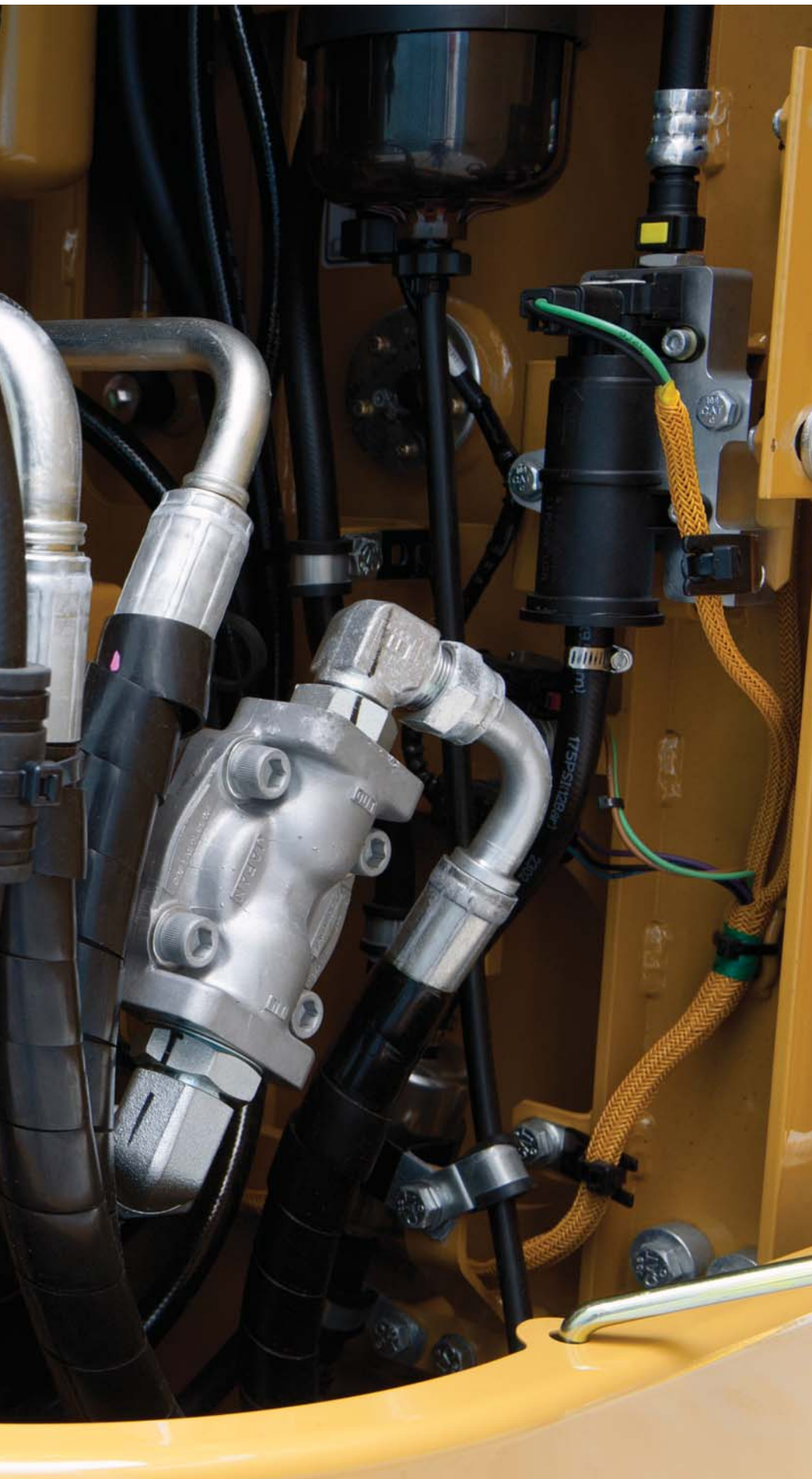
Biodiesel-Ready Fuel System

The C4.4 ACERT engine runs on ultra-low-sulfur diesel fuel, and you have added flexibility of running on B20 biodiesel fuel that meets ASTM 6751 standards. Just fill it up and go.

Hydraulics

You can move dirt, rock, and debris with speed, precision, and efficiency.





Hydraulic System

One of the biggest contributors to your productivity and fuel savings is a well-designed hydraulic system, and this is where Cat excavators stand apart. The 314E CR/314E L CR is loaded with several unique features that will put more power to the ground with less money out of your pocket.

Pumps and Valves

The main control valve is built to work with any tool, allowing you to take on multiple tasks with one machine. The main pumps are located side by side and are driven directly by the engine for the highest level of efficiency to reduce your fuel costs.

Boom Regeneration

Electric boom regeneration results in less pressure loss, higher controllability, more productivity, and lower operating costs for you; it works by reusing the flow of oil that travels from the head of the boom cylinder to the rod end of the boom cylinder during your operator's everyday "boom down" operation. During boom regeneration, engine speed is controlled to be low in order to save extra oil flow from going to the boom cylinders, which saves energy.

Operator Station

Your operators will enjoy the incredibly quiet and comfortable cab.



Seats

The air suspended, heated and cooled seat gives operators all the comfort they need for a long day of work. All seats include a reclining back, upper and lower seat slide adjustments, and height and tilt angle adjustments.

Controls

Your operators can adjust the right and left joysticks for individual preferences, helping the operator become more comfortable, more productive, and more alert.

Power Supply and Auxiliary Audio Port

To keep your operators happy, comfortable and connected, one 12-volt power supply is located on the radio near key storage areas for charging electronic devices such as an MP3 player and cell phone. An auxiliary port allows your operators to plug and play MP3 audio through the cab's speakers.

Storage

Your operators have storage spaces located in the rear. A dedicated space near the auxiliary power supply will hold an MP3 player and cell phone. The drink holder accommodates large mugs with handles, and a shelf behind the seat stores large lunch or toolboxes.

Monitor

Your operators can keep safely focused on the job at hand with a high-resolution LCD monitor that is programmable in 42 languages to support today's diverse workforce. It also projects the image from an available rearview camera, further enhancing the safety and productivity of your job site.



Automatic Climate Control

An automatic climate control system features seven air outlets with filtered ventilation to make your operators comfortable in either hot or cold climates.

Structures & Undercarriage

You can take on a variety of tough tasks with this built-to-last machine.



Frame

You can expect excellent quality, reliability, and durability with the 314E CR/314E L CR's reinforced lower and upper frames. Both are built to handle a hard day's work over and over again. The upper frame includes reinforced mountings to support the Roll-Over Protective Structure (ROPS) cab; the lower frame is reinforced to increase component durability.

Undercarriage

Standard and Long undercarriage supports any type of work you can do with a 14 metric ton machine. The track rollers are a double solid-pin-type design to improve reliability; an optional two-piece guiding guard helps maintain track alignment and improves the machine's overall performance.

Counterweight

Counterweight is selected depending on undercarriage – 2.19 mt (2.4 t) for standard undercarriage and 3.56 mt (3.9 t) for long undercarriage – to optimally match your machine to the task at hand, whether it's doing light trenching or heavy lifting. With integrated links, you can also easily – and safely – remove the counterweight for maintenance or shipping.



Work Tools

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



You can extend the versatility and performance of your machine with the full lineup of Cat work tools. Each tool equips your machine to perform many different tasks found at a variety of job sites.

Couplers: Quick Tool Changes

Imagine the productivity you'll achieve with a quick coupler. Combine a robust coupler with a common work tool inventory that can be shared between same size machines, and you'll get performance and flexibility on every job.

Cat Center-Lock™ Pin Grabber Coupler

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

Work Tools: Cut, Crush, Pulverize, and Load

No matter your specialty, Caterpillar provides tools that are perfectly matched to get the most out of your Cat machine – quickly and efficiently.

Buckets: Dig, Move, Load

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

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 application and material. Each bucket durability 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)

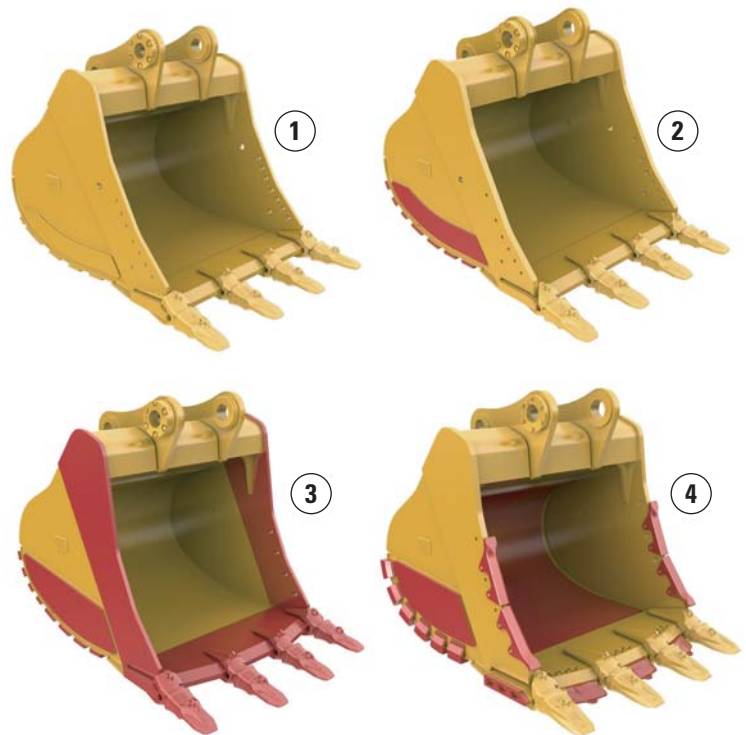
XD buckets are the new standard for high-abrasion conditions, including high quartzite granite.

Special Buckets

Special buckets are available for the 314E CR/314E L CR 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



Front Linkage

You'll experience a long service life even in the harshest of conditions.

Your uptime and service intervals are increased with durable and reliable booms, sticks, and linkage pins. Each boom and stick is built with internal baffle plates for additional strength, and each undergoes ultrasound inspection to ensure you get the durability and reliability you expect for any tough application.

Booms

Two types of booms are available to meet the variety of tasks you take on in a given day. A reach boom offers you excellent all-around versatility and a large working envelope; a power offset boom allows your operator to stay in the same position to load and dump, which increases productivity when your team is working in narrow, restricted space. A unique bucket-to-cab avoidance feature is also included to ensure safe operation.

Sticks

Sticks are matched to the booms. The R3.0 m (9'10") stick is best for when you need deep trenching, longer reach, and top truck loading capabilities. The R2.5 m (8'2") stick provides greater breakout force and increases productivity when you primarily plan on using hydro-mechanical work tools. The R2.1 m (6'11") stick combines with the power offset boom to deliver excellent breakout force and cycle speed in those tough-to-reach places. Your Cat dealer can help you pick the best configuration for your business.

Integrated Technologies

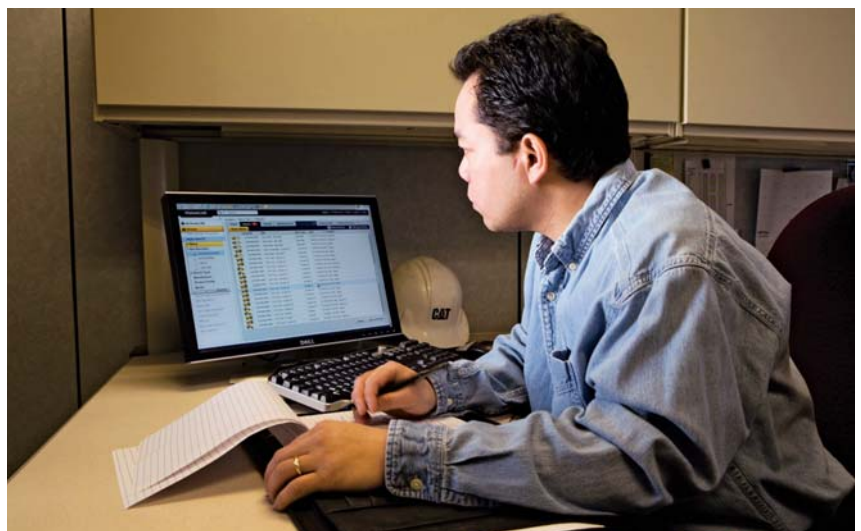
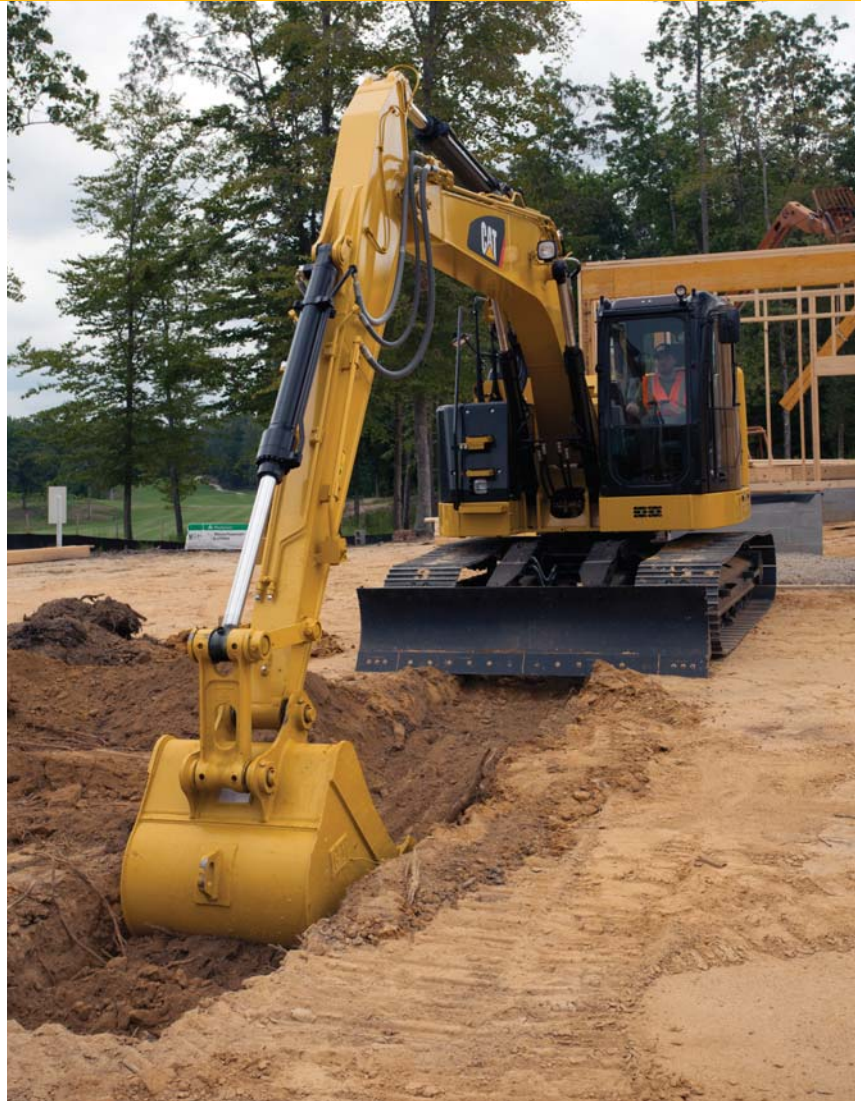
You can make your team's work much easier
and more efficient.

Cat Grade Control Depth and Slope

Cat Grade Control Depth and Slope is a standalone factory offering that allows your operator to reference a site elevation and input simple elevation and slope targets into the display to give them real-time bucket tip position through the cab monitor. This allows them to cut or fill to the target elevation the first time, which minimizes the need and cost for traditional grade checking. It also enhances job site safety and helps your team complete jobs quicker with fewer cycles, which means you'll save money on fuel.

Cat Product Link™

You can monitor and improve your fleet management with optional Cat Product Link. The integrated system reports events, diagnostic codes, hours, fuel consumption, location, and other pieces of detailed machine information to the secured web-based application called Vision Link®. The powerful tools within Vision Link communicate with you and your authorized Cat dealer to allow them to help you avoid downtime and better maintain your fleet.



Serviceability

You can depend on safe, fast, and easy access.



Ground-Level Compartments

Your service technicians have ground-level access to the radiator, pump, and air cleaner compartments through wide service doors, making it easy for them to reach, check, and replace fluids and filters.

Cooling System

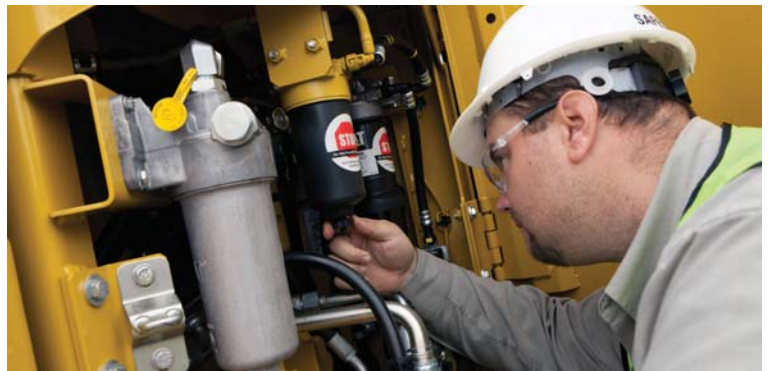
The cooling package features an improved oil cooler and engine radiator design mounted side by side and the air-to-air aftercooler and A/C condenser mounted in front. The radiator uses an aluminum square wave fin to prevent clogging with the other components positioned to make cleaning cores easier – a major service convenience.

Other Service Benefits

The engine oil dipstick is conveniently located in the front of the engine compartment.

The fuel tank's remote drain cock makes it easy and simple to remove water and sediment during routine maintenance.

Overfilling the fuel tank is significantly reduced with an integrated fuel level indicator.



Safety

Several built-in features will help protect your people.



Roll-Over Protective Structure (ROPS) Cab

Your operators will benefit from the protection of a ROPS-certified cab. It is also built to accommodate a Falling Object Guard Structure (FOGS) for industrial applications.

Sound Proofing

Roof lining and sealing make your operator's sound experience inside the cab comparable to any of today's top pickup trucks.

Anti-Skid Plates

Your operator and service technicians' slipping hazards are reduced with anti-skid plates on the surface of the upper structure and the top of the storage box area.

Steps, Hand and Guard Rails

Your service technicians can work securely on the machine with extended hand and guardrails to the upper deck and steps on the track frame and storage box.

Time Delay Lights

The cab and boom lights can be programmed to stay on for up to 90 seconds after the engine has been turned off to help your operators safely exit the machine.

High Intensity Discharge (HID) Lights

You can upgrade to HID for greater visibility in low-light conditions.

Windows

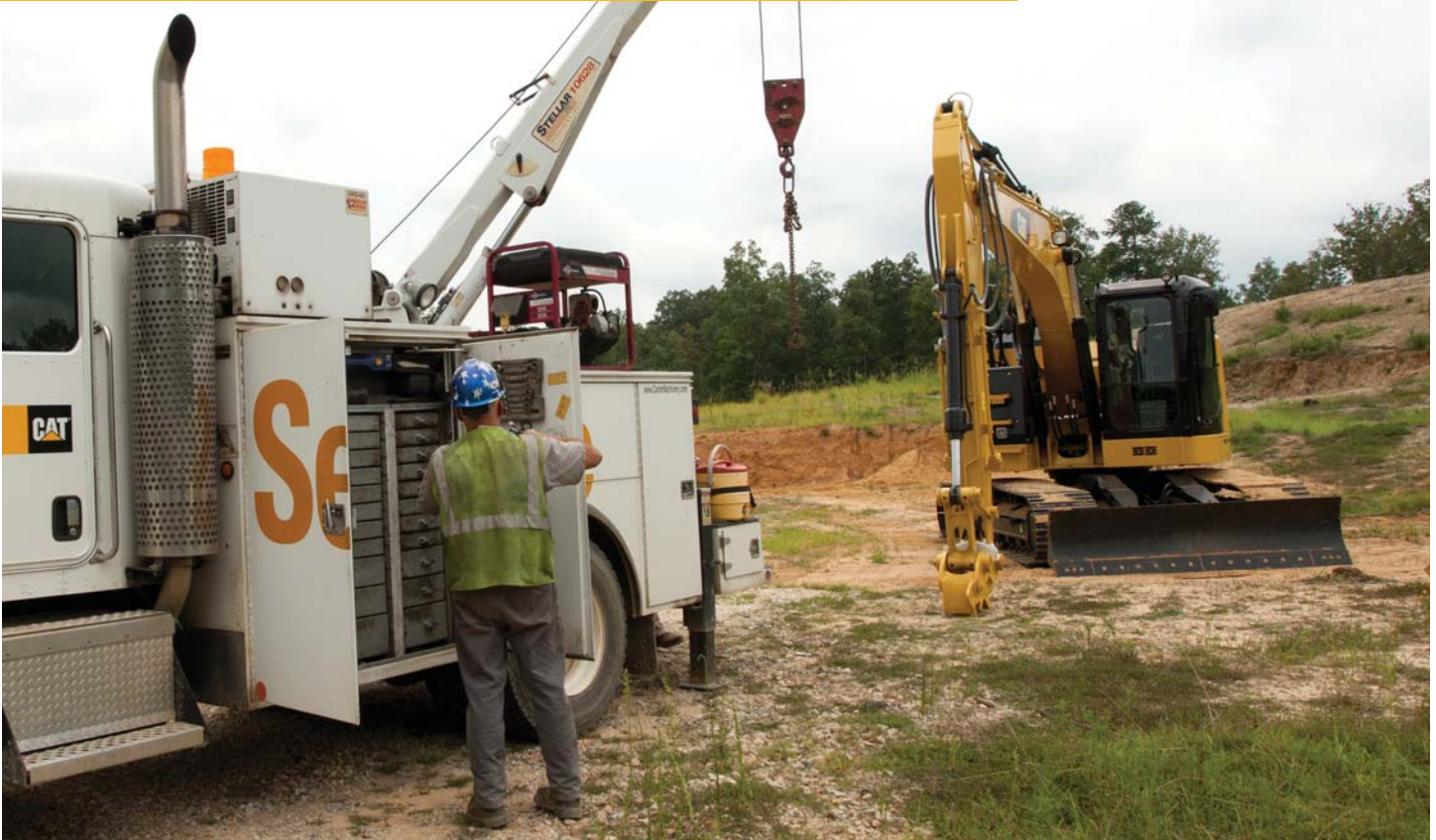
You can easily store both the upper and lower window in cab. You also have great overhead visibility and lighting with a large skylight.

Rearview Camera

Your operator has a clear view behind the machine with the rearview camera. The image projects through the standard cab monitor.

Complete Customer Care

Your Cat dealer will support you like no other.



Product Support

You can maximize your machines' uptime with the Cat worldwide dealer network. You can also decrease your repair costs by utilizing Cat remanufactured components while contributing to sustainable development.

Machine Selection

What are your job requirements and machine attachments? What production do you need? Your Cat dealer can provide recommendations to help you make the right machine configuration.

Purchase

You can ensure lower owning and operating costs by utilizing dealer services and financing options.

Customer Support Agreements

Cat dealers offer a variety of customer support agreements and work with you to develop a plan to meet your specific needs. These plans can cover the entire machine, including attachments, to help protect your investment.

Operation

You can boost your profits by improving operating techniques. 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

Your machine is designed to conserve natural resources for generations ahead.



- The 314E CR/314E L CR is an efficient, productive machine that's designed to conserve our natural resources for generations ahead.
- The C4.4 ACERT engine meets EPA Tier 4 Interim emission standards, European Union Stage IIIB emission standards, and Japan MLIT Step 4 emission standards.
- The 314E CR/314E L CR 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 that meets ASTM 6751 standards.
- An overfill indicator rises when the fuel tank is full to help your service technicians avoid spilling.
- An unique 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.

314E CR/314E L CR Hydraulic Excavator Specifications

Engine

Engine Model	Cat C4.4 ACERT	
Gross Power – SAE J1995	71 kW	95 hp
Net Power – SAE J1349	67 kW	89 hp
Bore	105 mm	4.1 in
Stroke	127 mm	5.0 in
Displacement	4.4 L	270 in ³

Weight

Operating Weight		
Long Undercarriage		
Minimum Weight	15 000 kg	33,100 lb
Maximum Weight	17 100 kg	37,700 lb
Standard Undercarriage		
Minimum Weight	13 300 kg	29,300 lb
Maximum Weight	15 200 kg	33,500 lb

Hydraulic System

Main System – Maximum Flow 314E L CR	2 × 127 L/min	2 × 34 gal/min
Main System – Maximum Flow (Total) – 314E CR	2 × 119 L/min	2 × 31 gal/min
Maximum Pressure – Equipment	30 500 kPa	4,420 psi
Maximum Pressure – Power Offset Boom (optional)	29 900 kPa	4,340 psi
Maximum Pressure – Travel	35 000 kPa	5,080 psi
Maximum Pressure – Swing	23 000 kPa	3,340 psi
Pilot System – Maximum Flow	21.9 L/min	4.8 gal/min
Pilot System – Maximum Pressure	4120 kPa	600 psi
Boom Cylinder – Bore	110 mm	4.3 in
Boom Cylinder – Stroke	1000 mm	39.4 in
Stick Cylinder – Bore	120 mm	4.7 in
Stick Cylinder – Stroke	1197 mm	47.1 in
Bucket Cylinder – Bore	100 mm	3.9 in
Bucket Cylinder – Stroke	939 mm	37.0 in

Drive

Maximum Travel Speed	5.4 km/h	3.4 mph
Maximum Drawbar Pull	113 kN	25,400 lbf

Swing Mechanism

Swing Speed – 314E L CR	11.5 rpm
Swing Speed – 314E CR	10.9 rpm
Swing Torque	30.9 kN·m 22,790 lbf·ft

Service Refill Capacities

Fuel Tank Capacity	178 L	47.0 gal
Cooling System	28 L	7.40 gal
Engine Oil (with filter)	13.5 L	3.6 gal
Swing Drive (each)	2.4 L	0.6 gal
Final Drive (each)	3 L	0.8 gal
Hydraulic System (including tank)	160 L	42.3 gal
Hydraulic Tank	84 L	22.2 gal

Track

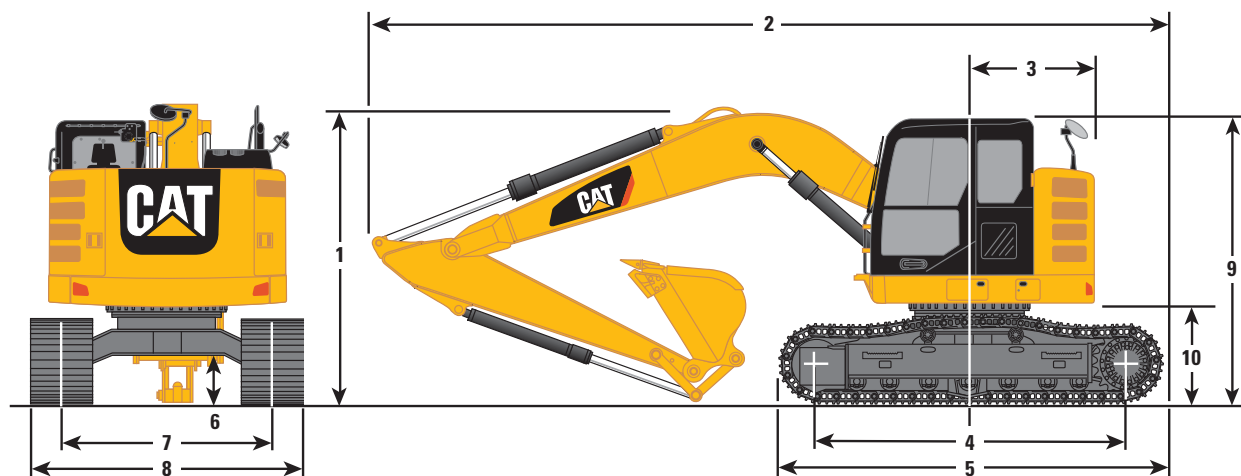
Standard Undercarriage	
Number of Shoes (each side)	43 pieces
Number of Track Rollers (each side)	6 pieces
Number of Carrier Rollers (each side)	1 piece
Length to Center of Rollers	2780 mm
Track Length	3490 mm
Long Undercarriage	
Number of Shoes (each side)	46 pieces
Number of Track Rollers (each side)	7 pieces
Number of Carrier Rollers (each side)	2 pieces
Length to Center of Rollers	3040 mm
Track Length	3750 mm

Sound Performance

ISO 6396	
Operator Noise (Closed)	69 dB(A)
ISO 6395	
Spectator Noise	100 dB(A)

Dimensions

All dimensions are approximate.



Reach Boom 4.65 m (15'3")

Power Offset Boom

Stick	R3.0 m (9'10")		R2.5 m (8'2")		2.13 m (6'11")	
1 Shipping Height*	3000 mm	9'10"	3000 mm	9'10"	3000 mm	9'10"
Shipping Height at Boom Top	2750 mm	9'0"	2820 mm	9'3"	2780 mm	9'1"
Shipping Height with Guard Rail	3000 mm	9'10"	3000 mm	9'10"	3000 mm	9'10"
Shipping Height with Top Guard	2950 mm	9'8"	2950 mm	9'8"	2950 mm	9'8"
2 Shipping Length						
Standard Undercarriage	7320 mm	24'0"	7320 mm	24'0"	6910 mm	22'8"
Standard Undercarriage with Blade	7940 mm	26'1"	7940 mm	26'1"	7530 mm	24'9"
Long Undercarriage	7450 mm	24'5"	7450 mm	24'5"	7040 mm	23'1"
Long Undercarriage with Blade	8010 mm	26'3"	8010 mm	26'3"	7600 mm	24'8"
3 Tail Swing Radius						
Standard Undercarriage	1490 mm	4'11"	1490 mm	4'11"	1490 mm	4'11"
Long Undercarriage	1530 mm	5'0"	1530 mm	5'0"	1530 mm	5'0"
4 Length to Center of Rollers						
Standard Undercarriage	2780 mm	9'1"	2780 mm	9'1"	2780 mm	9'1"
Long Undercarriage	3040 mm	10'0"	3040 mm	10'0"	3040 mm	10'0"
5 Track Length						
Standard Undercarriage	3490 mm	11'5"	3490 mm	11'5"	3490 mm	11'5"
Long Undercarriage	3750 mm	12'4"	3750 mm	12'4"	3750 mm	12'4"
6 Ground Clearance	440 mm	1'5"	440 mm	1'5"	440 mm	1'5"
7 Track Gauge	1990 mm	6'6"	1990 mm	6'6"	1990 mm	6'6"
8 Transport Width						
500 mm (20") Shoes	2490 mm	8'2"	2490 mm	8'2"	2490 mm	8'2"
600 mm (24") Shoes	2590 mm	8'6"	2590 mm	8'6"	2590 mm	8'6"
700 mm (28") Shoes	2690 mm	8'10"	2690 mm	8'10"	2690 mm	8'10"
9 Cab Height	2810 mm	9'3"	2810 mm	9'3"	2810 mm	9'3"
Cab Height with Top Guard	2950 mm	9'8"	2950 mm	9'8"	2950 mm	9'8"
10 Counterweight Clearance**	860 mm	2'10"	860 mm	2'10"	860 mm	2'10"

*Including shoe lug height.

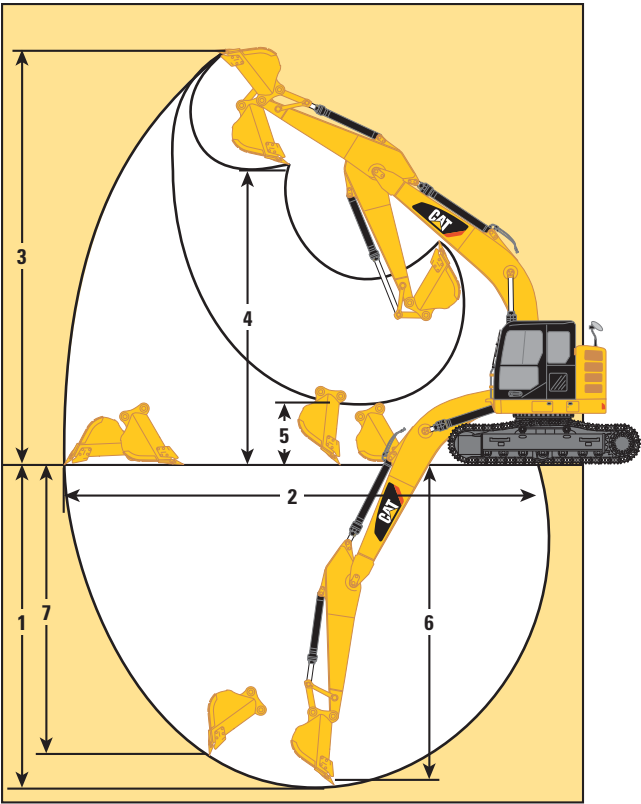
**Without shoe lug height.

All dimensions were calculated with 900 mm (35") wide GD bucket with 0.53 m³ (0.69 yd³) capacity and 1200 mm (3'11") tip radius.

314E CR/314E L CR Hydraulic Excavator Specifications

Working Ranges

All dimensions are approximate.

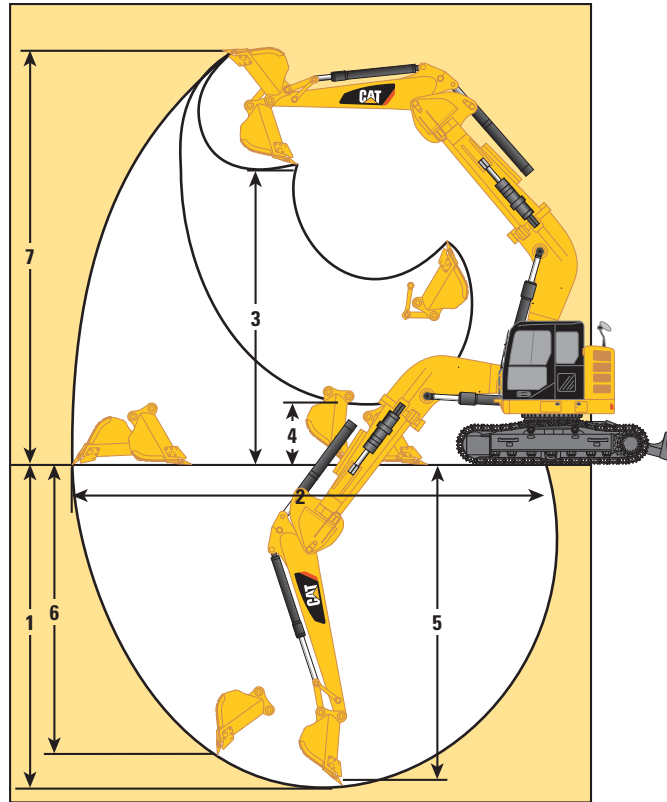


Stick	Reach Boom 4.65 m (15'3")			
	R3.0 m (9'10")		R2.5 m (8'2")	
1 Maximum Digging Depth	5950 mm	19'6"	5450 mm	17'11"
2 Maximum Reach at Ground Level	8680 mm	28'6"	8230 mm	27'0"
3 Maximum Cutting Height	9640 mm	31'8"	9310 mm	30'7"
4 Maximum Loading Height	7190 mm	23'7"	6860 mm	22'6"
5 Minimum Loading Height	2060 mm	6'9"	2500 mm	8'2"
6 Maximum Depth Cut for 2440 mm (8'0") Level Bottom	5660 mm	18'7"	5160 mm	16'11"
7 Maximum Vertical Wall Digging Depth	5280 mm	17'4"	4880 mm	16'0"

All dimensions were calculated with 900 mm (35") wide GD bucket with 0.53 m³ (0.69 yd³) capacity and 1200 mm (3'11") tip radius.

Working Ranges

All dimensions are approximate.



Stick	Power Offset Boom					
	2.13 m (6'11")*		2.13 m (6'11")		2.13 m (6'11")**	
1 Maximum Digging Depth	4510 mm	14'10"	4840 mm	15'11"	4480 mm	14'8"
2 Maximum Reach at Ground Level	6890 mm	22'7"	7270 mm	23'10"	6850 mm	22'6"
3 Maximum Cutting Height	8110 mm	26'7"	8450 mm	27'9"	8070 mm	26'7"
4 Maximum Loading Height	5680 mm	18'8"	6020 mm	19'9"	5640 mm	18'6"
5 Minimum Loading Height	2330 mm	7'8"	2680 mm	8'10"	2290 mm	7'6"
6 Maximum Depth Cut for 2440 mm (8'0") Level Bottom	4110 mm	13'6"	4450 mm	14'7"	4080 mm	13'5"
7 Maximum Vertical Wall Digging Depth	3270 mm	10'9"	3550 mm	11'8"	3240 mm	10'8"

*Left side 1100 mm (3'7") offset position

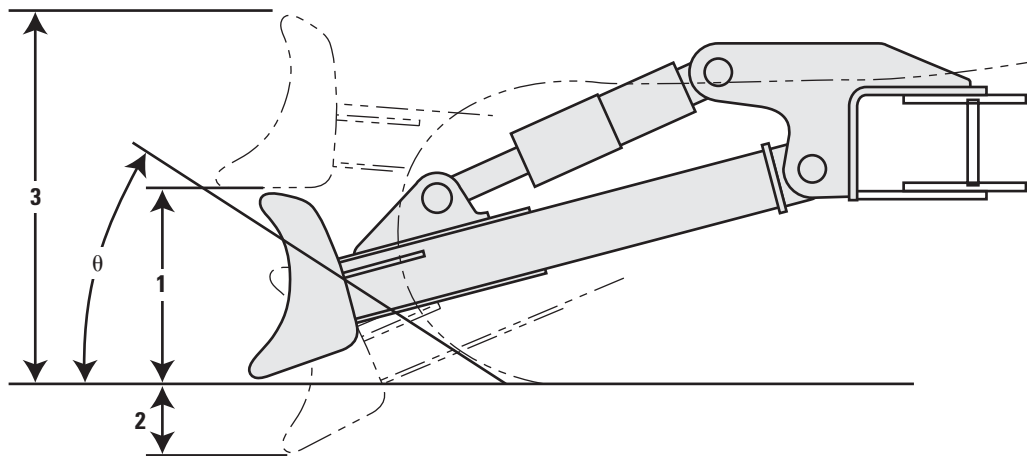
**Right side 1150 mm (3'9") offset position

All dimensions were calculated with 900 mm (35") wide GD bucket with 0.53 m³ (0.69 yd³) capacity and 1200 mm (3'11") tip radius.

314E CR/314E L CR Hydraulic Excavator Specifications

Blade Working Ranges

All dimensions are approximate.



Blade Options	2500 mm (8'2")		2600 mm (8'6")		2700 mm (8'10")	
Recommended Track Shoe Width	500 mm (20")		600 mm (24")		700 mm (28")	
1 Blade Height	630 mm	2'1"	630 mm	2'1"	630 mm	2'1"
2 Maximum Lowering Depth from Ground	570 mm	1'10"	570 mm	1'10"	570 mm	1'10"
3 Maximum Raising Height above Ground	1000 mm	3'3"	1000 mm	3'3"	1000 mm	3'3"
theta Approach Angle						
Standard Undercarriage	23.3 degrees		23.3 degrees		23.3 degrees	
Long Undercarriage	24.9 degrees		24.9 degrees		24.9 degrees	

Major Component Weights

Base Machine (with boom cylinder, without counterweight, front linkage and track)	5040 kg	11,110 lb
Undercarriage	2660 kg	5,870 lb
Standard Undercarriage	2440 kg	5,380 lb
Long Undercarriage	2660 kg	5,870 lb
Counterweight		
Long Undercarriage – 3.56 mt (3.9 t)	3560 kg	7,850 lb
Standard Undercarriage – 2.19 mt (2.4 t)	2190 kg	4,830 lb
Boom (includes lines, pins and stick cylinder)		
Reach Boom – 4.65 m (15'3")	1040 kg	2,290 lb
Power Offset Boom	1730 kg	3,810 lb
Reach Boom for CGC – 4.65 m (15'3")	1050 kg	2,320 lb
Stick (includes lines, pins, bucket cylinder and bucket linkage)		
R3.0 m (9'10")	650 kg	1,430 lb
R2.5 m (8'2")	570 kg	1,260 lb
2.13 m (6'11") for Power Offset Boom	570 kg	1,260 lb
R3.0 m (9'10") for CGC	650 kg	1,430 lb
Track Shoe		
Standard/per two tracks		
500 mm (20") Triple Grouser	1460 kg	3,220 lb
600 mm (24") Triple Grouser	1700 kg	3,750 lb
700 mm (28") Triple Grouser	1960 kg	4,320 lb
Long/per two tracks		
500 mm (20") Triple Grouser	1570 kg	3,460 lb
600 mm (24") Triple Grouser	1820 kg	4,010 lb
700 mm (28") Triple Grouser	2090 kg	4,610 lb
Blade		
2500 mm (8'2")	810 kg	1,790 lb
2600 mm (8'6")	810 kg	1,790 lb
2700 mm (8'10")	820 kg	1,810 lb

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

Base machine includes 75 kg (170 lb) operator weight, 90% fuel weight, and undercarriage with center guard.

314E CR/314E L CR Hydraulic Excavator Specifications

Operating Weight and Ground Pressure

	700 mm (28") Triple Grouser Shoes				600 mm (24") Triple Grouser Shoes				500 mm (20") Triple Grouser Shoes			
	kg	lb	kPa	psi	kg	lb	kPa	psi	kg	lb	kPa	psi
Standard Undercarriage without Blade												
Reach Boom – 4.65 m (15'3")												
R3.0 m (9'10")	13 800	30,400	31.9	46.00	13 600	30,000	36.7	53.00	13 300	29,300	43.0	62.00
R2.5 m (8'2")	13 800	30,400	31.9	46.00	13 500	29,800	36.4	53.00	13 300	29,300	43.0	62.00
Standard Undercarriage with Blade												
Reach Boom – 4.65 m (15'3")												
R3.0 m (9'10")	14 700	32,400	34.0	49.00	14 400	31,700	38.8	56.00	14 200	31,300	46.0	67.00
R2.5 m (8'2")	14 600	32,200	33.7	49.00	14 300	31,500	38.6	56.00	14 100	31,100	45.6	66.00
Power Offset Boom												
2.13 m (6'11")	15 200	33,500	35.1	51.00	15 000	33,100	40.4	59.00	14 700	32,400	47.6	69.00
Long Undercarriage without Blade												
Reach Boom – 4.65 m (15'3")												
R3.0 m (9'10")	15 600	34,400	33.2	4.82	15 300	33,700	38.0	5.51	15 100	33,300	45.0	6.53
R2.5 m (8'2")	15 500	34,200	33.0	4.79	15 200	33,500	37.7	5.47	15 000	33,100	44.7	6.48
Long Undercarriage with Blade												
Reach Boom – 4.65 m (15'3")												
R3.0 m (9'10")	16 400	36,200	34.9	5.06	16 100	35,500	40.0	5.80	15 900	35,100	47.4	6.87
R2.5 m (8'2")	16 300	35,900	34.7	5.03	16 100	35,500	40.0	5.80	15 800	34,800	47.1	6.83
Power Offset Boom												
2.13 m (6'11")	17 000	37,500	36.2	5.25	16 700	36,800	41.4	6.00	16 400	36,200	48.8	7.08

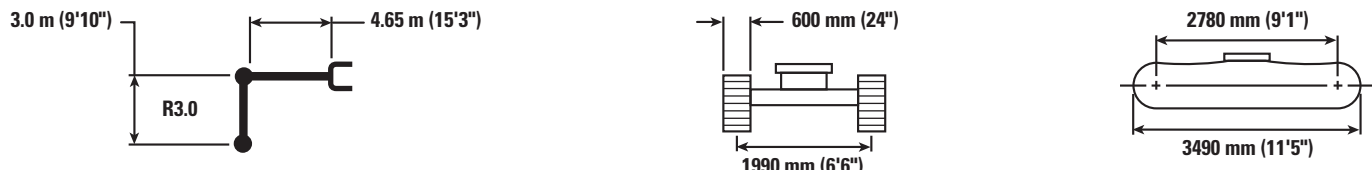
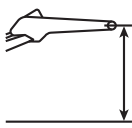













Bucket and Stick Forces

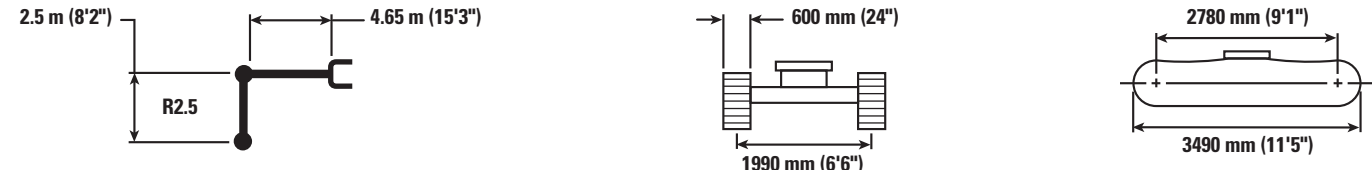
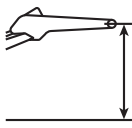













Stick	Reach Boom 4.65 m 15'3")				Power Offset Boom	
	R3.0 m (9'10")		R2.5 m (8'2")		2.13 m (6'11")	
General Duty						
Bucket Digging Force SAE)	85 kN	19,200 lbf	85 kN	19,200 lbf	78 kN	17,500 lbf
Stick Digging Force (SAE)	57 kN	12,800 lbf	64 kN	14,300 lbf	61 kN	13,700 lbf
Severe Duty						
Bucket Digging Force (SAE)	84 kN	18,800 lbf	83 kN	18,700 lbf	77 kN	17,200 lbf
Stick Digging Force (SAE)	57 kN	12,800 lbf	63 kN	14,200 lbf	61 kN	13,700 lbf

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.

314E CR/314E L CR Hydraulic Excavator Specifications

Reach Boom Lift Capacities – Standard Undercarriage – Blade Up/None

<div></div>														
<div></div>		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		<div></div>		mm in
		<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	
7.5 m 25.0 ft	kg lb					*2600 *2600						*2500 *5,600	*2500 *5,600	4540 180
6.0 m 20.0 ft	kg lb					*3450 *7,550	3400 7,300	*2350 2050				*2100 *4,650	2000 4,500	6080 240
4.5 m 15.0 ft	kg lb					*3700 *8,050	3350 7,150	2950 6,300	2050 4,400			*2000 *4,350	1600 3,500	6960 280
3.0 m 10.0 ft	kg lb			*5950 *12,700	*5950 *12,700	*4400 *9,450	3100 6,700	2850 6,150	2000 4,250			*2000 *4,350	1350 3,000	7440 300
1.5 m 5.0 ft	kg lb			*8050 *17,400	5200 11,150	4250 9,100	2850 6,100	2750 5,850	1850 4,000	1950	1300	1900 4,200	1300 2,800	7590 300
0.0 m 0.0 ft	kg lb			*7350 16,750	4750 10,200	4000 8,600	2650 5,650	2650 5,650	1750 3,800			1950 4,250	1300 2,850	7430 300
-1.5 m -5.0 ft	kg lb	*4550 *10,150	*4550 *10,150	7700 16,500	4650 9,950	3900 8,400	2550 5,450	2600 5,500	1700 3,650			2100 4,650	1400 3,100	6940 280
-3.0 m -10.0 ft	kg lb	*7550 *16,950	*7550 *16,950	*6500 *14,000	4700 10,100	3900 8,400	2550 5,500	2600	1750			2600 5,700	1750 3,800	6050 240
-4.5 m -15.0 ft	kg lb			*3600 *7,400	*3600 *7,400							*2150 *4,550	*2150 *4,550	4490 180

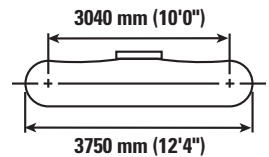
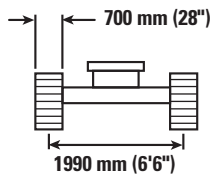
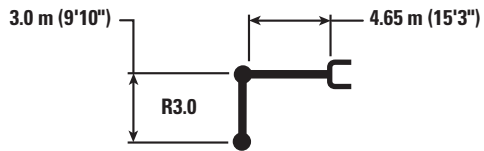
<div></div>														
<div></div>		1.5 m/5.0 ft		3.0 m/10.0 ft		4.5 m/15.0 ft		6.0 m/20.0 ft		7.5 m/25.0 ft		<div></div>		mm in
		<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	
7.5 m 25.0 ft	kg lb			*4450 *9250	*4450 *9250							*3050 *6,900	*3050 *6,900	3740 140
6.0 m 20.0 ft	kg lb					*3900 *8,550	3350 7,150					*2400 *5,350	2350 5,300	5510 220
4.5 m 15.0 ft	kg lb			*4550 *9,950	*4550 *9,950	*4100 *8,950	3250 7,000	2900 6,250	2050 4,350			*2250 *4,950	1800 3,950	6470 260
3.0 m 10.0 ft	kg lb			*6800 *14,550	5750 12,400	4500 9,600	3050 6,600	2850 6,100	1950 4,200			2250 *4,900	1550 3,350	6990 280
1.5 m 5.0 ft	kg lb			*7250 17,550	5050 10,900	4200 9,050	2850 6,100	2750 5,900	1900 4,000			2100 4,650	1450 3,150	7150 290
0.0 m 0.0 ft	kg lb			*6550 *15,100	4800 10,250	4050 8,650	2650 5,700	2650 5,700	1800 3,850			2150 4,700	1450 3,200	6980 280
-1.5 m -5.0 ft	kg lb	*4950 *11,100	*4950 *11,100	*7650 *16,550	4750 10,200	3950 8,500	2600 5,600	2650 5,650	1750 3,800			2400 5,250	1600 3,550	6460 260
-3.0 m -10.0 ft	kg lb	*7650 *16,450	*7650 *16,450	*5700 *12,300	4850 10,400	4000 8,600	2650 5,700					*2900 *6,300	2050 4,550	5480 220

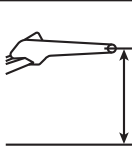















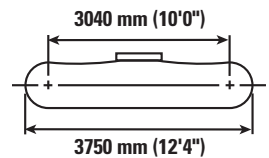
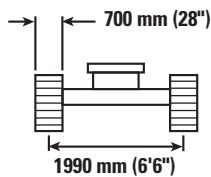
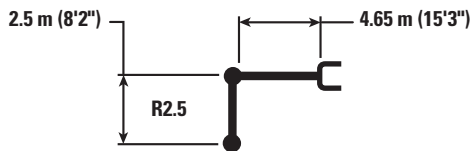
ISO 10567



Reach Boom Lift Capacities – Long Undercarriage – Blade Up/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				
														mm in
7.5 m 25.0 ft	kg lb					*2600	*2600					*2500 *5,600	*2500 *5,600	4540 180
6.0 m 20.0 ft	kg lb					*3450 *7,550	*3450 *7,550	*2350	*2350			*2100 *4,650	*2100 *4,650	6080 240
4.5 m 15.0 ft	kg lb					*3700 *8,050	*3700 *8,050	*3400 *7,400	2650 5,700			*2000 *4,350	*2000 *4,350	6960 280
3.0 m 10.0 ft	kg lb			*5900 *12,700	*5900 *12,700	*4350 *9,450	3950 8,550	*3650 *7,900	2550 5,500			*2000 *4,350	1850 4,000	7440 300
1.5 m 5.0 ft	kg lb			*8050 *17,350	6700 14,400	*5150 *11,150	3700 7,950	3900 8,400	2450 5,250	*2500	1750	*2100 *4,550	1750 3,800	7590 300
0.0 m 0.0 ft	kg lb			*7350 *16,950	6250 13,400	*5600 *12,100	3500 7,500	3800 8,150	2350 5,050			*2300 *5,050	1750 3,850	7430 300
-1.5 m -5.0 ft	kg lb	*4550 *10,150	*4550 *10,150	*8050 *17,450	6150 13,150	*5400 *11,700	3400 7,250	3750 8,050	2300 4,950			*2700 *6,000	1900 4,150	6940 280
-3.0 m -10.0 ft	kg lb	*7550 *16,950	*7550 *16,950	*6450 *13,950	6200 13,300	*4500 *9,650	3400 7,300	*2950	2300			*2850 *6,300	2300 5,100	6050 240
-4.5 m -15.0 ft	kg lb			*3550 *7,350	*3550 *7,350							*2150 *4,500	*2150 *4,500	4490 180



	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				mm in
7.5 m 25.0 ft	kg			*4450	*4450						*3050	*3050	3740
	lb			*9,250	*9,250						*6900	*6900	140
6.0 m 20.0 ft	kg					*3900	*3900				*2400	*2400	5510
	lb					*8,550	*8,550				*5350	*5350	220
4.5 m 15.0 ft	kg			*4550	*4550	*4100	*4100	*3700	2650		*2250	*2250	6470
	lb			*9,950	*9,950	*8,900	8,850	*7,750	5,650		*4950	*4950	260
3.0 m 10.0 ft	kg			*6800	*6800	*4750	3900	*3850	2550		*2250	2000	6990
	lb			*14,550	*14,550	*10,250	8,400	*8,400	5,500		*4900	4450	280
1.5 m 5.0 ft	kg			*7250	6550	*5450	3650	3900	2450		*2350	1900	7150
	lb			*17,650	14,100	*11,750	7,900	8,400	5,300		*5150	4200	290
0.0 m 0.0 ft	kg			*6550	6250	*5700	3500	3850	2400		*2600	1950	6980
	lb			*15,100	13,450	*12,300	7,550	8,250	5,100		*5700	4250	280
-1.5 m -5.0 ft	kg	*4950	*4950	*7600	6250	*5300	3450	*3750	2350		*3150	2150	6460
	lb	*11,100	*11,100	*16,500	13,400	*11,400	7,400	*8,000	5,050		*6900	4700	260
-3.0 m -10.0 ft	kg	*7600	*7600	*5700		*4050	3500				*2900	2700	5480
	lb	*16,350	*16,350	*12,250	*12,250	*8,600	7,500				*6300	6000	220



ISO 10567



314E CR/314E L CR Hydraulic Excavator Specifications

Reach Boom Lift Capacities – Long Undercarriage – Blade Up/None

3.0 m (9'10")
4.65 m (15'3")
R3.0

600 mm (24")
1990 mm (6'6")

3040 mm (10'0")
3750 mm (12'4")

		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			
7.5 m	kg					*2600	*2600					*2500	*2500
25.0 ft	lb											*5,600	*5,600
6.0 m	kg					*3450	*3450	*2350	*2350			*2100	*2100
20.0 ft	lb					*7,550	*7,550					*4,650	*4,650
4.5 m	kg					*3700	*3700	*3400	2600			*2000	*2000
15.0 ft	lb					*8,050	*8,050	*7,400	5,600			*4,350	*4,350
3.0 m	kg			*5900	*5900	*4350	3900	*3650	2550			*2000	1800
10.0 ft	lb			*12,700	*12,700	*9,450	8,400	*7,900	5,400			*4,350	3,950
1.5 m	kg			*8050	6600	*5150	3650	3850	2400			*2100	1700
5.0 ft	lb			*17,350	14,150	*11,150	7,800	8,250	5,150			*4,550	3,700
0.0 m	kg			*7350	6150	*5600	3400	3750	2300			*2300	1700
0.0 ft	lb			*16,950	13,150	*12,100	7,350	8,000	4,950			*5,050	3,750
-1.5 m	kg	*4550	*4550	*8050	6050	*5400	3300	3700	2250			*2700	1850
-5.0 ft	lb	*10,150	*10,150	*17,450	12,950	*11,700	7,150	7,900	4,850			*6,000	4,100
-3.0 m	kg	*7550	*7550	*6450	6100	*4500	3350	*2950	2300			*2850	2250
-10.0 ft	lb	*16,950	*16,950	*13,950	13,050	*9,650	7,150					*6,300	5,000
-4.5 m	kg			*3550	*3550							*2150	*2150
-15.0 ft	lb			*7,350	*7,350							*4,500	*4,500

2.5 m (8'2")
4.65 m (15'3")
R2.5

600 mm (24")
1990 mm (6'6")

3040 mm (10'0")
3750 mm (12'4")

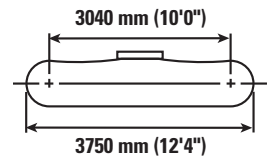
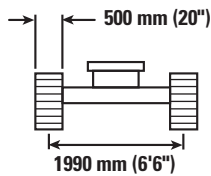
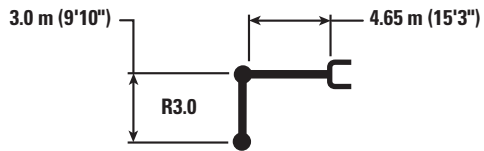
		1.5 m/5.0 ft		3.0 m/10.0 ft		4.5 m/15.0 ft		6.0 m/20.0 ft		7.5 m/25.0 ft			
7.5 m	kg			*4450	*4450							*3050	*3050
25.0 ft	lb			*9,250	*9,250							*6,900	*6,900
6.0 m	kg					*3900	*3900					*2400	*2400
20.0 ft	lb					*8,550	*8,550					*5,350	*5,350
4.5 m	kg			*4550	*4550	*4100	4050	*3700	2600			*2250	*2250
15.0 ft	lb			*9,950	*9,950	*8,900	8,700	*7,750	5,550			*4,950	*4,950
3.0 m	kg			*6800	*6800	*4750	3850	*3850	2500			*2250	2000
10.0 ft	lb			*14,550	*14,550	*10,250	8,300	*8,400	5,400			*4,900	4,350
1.5 m	kg			*7250	6450	*5450	3600	3850	2400			*2350	1900
5.0 ft	lb			*17,650	13,850	*11,750	7,750	8,250	5,200			*5,150	4,100
0.0 m	kg			*6550	6150	*5700	3450	3750	2350			*2600	1900
0.0 ft	lb			*15,100	13,200	*12,300	7,400	8,100	5,000			*5,700	4,200
-1.5 m	kg	*4950	*4950	*7600	6150	*5300	3400	3750	2300			*3150	2100
-5.0 ft	lb	*11,100	*11,100	*16,500	13,150	*11,400	7,250	*8,000	4,950			*6,900	4,650
-3.0 m	kg	*7600	*7600	*5700	*5700	*4050	3400					*2900	2650
-10.0 ft	lb	*16,350	*16,350	*12,250	*12,250	*8,600	7,350					*6,300	5,900



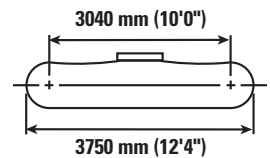
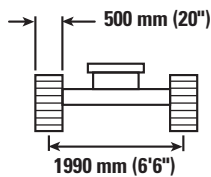
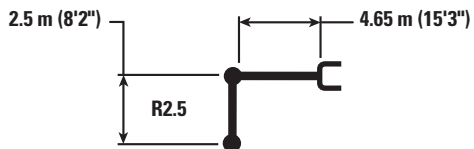
ISO 10567



Reach Boom Lift Capacities – Long Undercarriage – Blade Up/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				mm in
7.5 m 25.0 ft	kg				*2600	*2600					*2500	*2500	4540
	lb										*5,600	*5,600	180
6.0 m 20.0 ft	kg				*3450	*3450	*2350	*2350			*2100	*2100	6080
	lb				*7,550	*7,550					*4,650	*4,650	240
4.5 m 15.0 ft	kg				*3700	*3700	*3400	2550			*2000	*2000	6960
	lb				*8,050	*8,050	*7,400	5,500			*4,350	*4,350	280
3.0 m 10.0 ft	kg			*5900	*5900	*4350	3850	*3650	2500		*2000	1750	7440
	lb			*12,700	*12,700	*9,450	8,250	*7,900	5,350		*4,350	3,850	300
1.5 m 5.0 ft	kg			*8050	6450	*5150	3600	3800	2350		*2100	1650	7590
	lb			*17,350	13,950	*11,150	7,700	8,150	5,100		*4,550	3,650	300
0.0 m 0.0 ft	kg			*7350	6050	*5600	3350	3650	2250		*2300	1700	7430
	lb			*16,950	12,950	*12,100	7,250	7,900	4,850		*5,050	3,700	300
-1.5 m -5.0 ft	kg	*4550	*4550		5950	*5400	3250	3600	2200		*2700	1850	6940
	lb	*10,150	*10,150		12,700	*11,700	7,000	7,750	4,750		*6,000	4,000	280
-3.0 m -10.0 ft	kg	*7550	*7550	*6450	6000	*4500	3250	*2950	2250		*2850	2200	6050
	lb	*16,950	*16,950	*13,950	12,850	*9,650	7,050				*6,300	4,900	240
-4.5 m -15.0 ft	kg			*3550	*3550						*2150	*2150	4490
	lb			*7,350	*7,350						*4,500	*4,500	180



	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				mm in
7.5 m 25.0 ft	kg			*4450	*4450						*3050	*3050	3740
	lb			*9,250	*9,250						*6,900	*6,900	140
6.0 m 20.0 ft	kg					*3900	*3900				*2400	*2400	5510
	lb					*8,550	*8,550				*5,350	*5,350	220
4.5 m 15.0 ft	kg			*4550	*4550	*4100	4000	*3700	2550		*2250	2250	6470
	lb			*9,950	*9,950	*8,900	8,600	*7,750	5,450		*4,950	*4,950	260
3.0 m 10.0 ft	kg			*6800	*6800	*4750	3800	*3850	2500		*2250	1950	6990
	lb			*14,550	*14,550	*10,250	8,150	8,350	5,300		*4,900	4,300	280
1.5 m 5.0 ft	kg			*7250	6350	*5450	3550	3800	2400		*2350	1850	7150
	lb			*16,150	13,650	*11,750	7,650	8,150	5,100		*5,150	4,050	290
0.0 m 0.0 ft	kg			*6550	6050	5650	3400	3700	2300		*2600	1900	6980
	lb			*14,500	13,000	12,150	7,250	7,950	4,950		*5,700	4,100	280
-1.5 m -5.0 ft	kg	*4950	*4950	*7600	6050	*5300	3300	3650	2250		*3150	2050	6460
	lb	*11,100	*11,100	*16,500	12,950	*11,400	7,150	7,900	4,850		*6,900	4,550	260
-3.0 m -10.0 ft	kg	*7600	*7600	*5700	*5700	*4050	3350				*2900	2600	5480
	lb	*16,350	*16,350	*12,250	*12,250	*8,600	7,250				*6,300	5,800	220



ISO 10567



314E CR/314E L CR Hydraulic Excavator Specifications

Work Tool Offering Guide*

Boom Type	Reach Boom	
Stick Size	R3.0 m (9'10")	R2.5 m (8'2")
Hydraulic Hammer	H110Es H115Es	H110Es H115Es
Demolition and Sorting Grapple	G310B*** #	G310B** ###
Mobile Scrap and Demolition Shear	S320B##	S320B##
Compactor (Vibratory Plate)	CVP75	CVP75
Contractors' Grapple	G112B	G112B
Orange Peel Grapple		
Trash Grapple		
Thumbs	These work tools are available for the 314E CR/314E L CR. Consult your Cat dealer for proper match.	
Rakes		
Center-Lock Pin Grabber Coupler		
Dedicated Quick Coupler		

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

** Pin-on or CW coupler

*** Pin-on only

Over the front only

Boom Mount

Over the front only with CW coupler

Bucket Specifications and Compatibility

	Width		Capacity		Weight		Fill	Reach Booms		POB**
	mm	in	m ³	yd ³	kg	lb	%	R3.0 m (9'10")	R2.5 m (8'2")	2.13 m (6'11")
314E CR with Center-Lock Quick Coupler										
General Duty (GD)	450	18	0.20	0.27	235	518	100	●	●	●
	500	20	0.24	0.31	285	628	100	●	●	●
	600	24	0.31	0.40	308	679	100	●	●	●
	750	30	0.41	0.54	355	783	100	●	●	●
	900	36	0.53	0.69	404	890	100	⊙	●	●
	1050	42	0.65	0.84	452	996	100	⊖	⊙	⊙
	1200	48	0.76	1.00	492	1084	100	○	⊖	⊖
Maximum load pin-on (payload + bucket)							kg	1439	1659	1609
							lb	3,172	3,657	3,547

	Width		Capacity		Weight		Fill	Reach Booms		POB**
	mm	in	m ³	yd ³	kg	lb	%	R3.0 m (9'10")	R2.5 m (8'2")	2.13 m (6'11")
314E L CR with Center-Lock Quick Coupler										
General Duty (GD)	450	18	0.20	0.27	235	518	100	●	●	●
	500	20	0.24	0.31	285	628	100	●	●	●
	600	24	0.31	0.40	308	679	100	●	●	●
	750	30	0.41	0.54	355	783	100	●	●	●
	900	36	0.53	0.69	404	890	100	●	●	●
	1050	42	0.65	0.84	452	996	100	⊖	⊙	●
	1200	48	0.76	1.00	492	1084	100	○	⊖	⊙
Maximum load pin-on (payload + bucket)							kg	1479	1699	1974
							lb	3,260	3,745	4,351

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

Capacity based on ISO 7451.

Bucket weight with Long tips.

*Densities with 3.0 m (9'10") thumb stick do not consider thumb weight.

**POB installs blade as standard configuration.

Maximum Material Density:

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

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.

314E CR/314E L CR Standard Equipment

Standard Equipment

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

CAB

- Seat, high-back air suspension with heater and cooling
- Pressurized operator station with positive filtration
- Sliding upper door window (left-hand cab door)
- Removable lower windshield with in cab storage bracket
- Coat hook
- Beverage holder
- Literature holder
- AM/FM Radio with MP3 auxiliary audio port
- Two stereo speakers
- Storage shelf suitable for lunch or toolbox
- Color LCD display with indicators, 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 additional pedal
- Power outlets, 5 amp
- Travel alarm
- Laminated glass front upper window and tempered other windows
- Cab mirror
- Level sensor

COUNTERWEIGHT

- 2.19 mt (2.4 t) without lifting eye for standard undercarriage
- 3.56 mt (3.9 t) without lifting eye for long undercarriage

ELECTRICAL

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

ENGINE

- C4.4 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
- 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
- Secondary filter
- Screen filter in fuel line
- Variable speed fan with viscous clutch
- Quick drains, engine and hydraulic oil

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 and stick lowering control device

LIGHTS

- Halogen boom light (left side)
- Time delay function for boom light and cab light
- Exterior light

UNDERCARRIAGE

- Center track guiding guard for long undercarriage
- Grease Lubricated Track GLT2, resin seal
- Towing eye on base frame
- Swivel guard

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
- Rear window for emergency exit
- Guard, travel motor protection
- Guard rail
- Rearview camera

Optional Equipment

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

CAB

- Right pedal
- Cab mirror
- Ashtray

ELECTRICAL

- Cold weather battery -25°C (-13°F)

ENGINE

- Radiator Screen

FRONT LINKAGE

- Quick coupler
- 4.65 m (15'3") Reach Boom
- Power Offset Boom
- 2.13 m (6'11") stick for Power Offset Boom
- 2.5 m (8'2") stick
- 3.0 m (9'10") stick

HYDRAULIC SYSTEM

- Control pattern quick-changer, two way
- Auxiliary hydraulics
- Boom and stick lines
- High-pressure line
- Medium-pressure line
- Quick coupler line
- Cat Bio hydraulic oil

LIGHTS

- Working light, cab mounted with time delay
- HID light, cab mounted with time delay
- Halogen boom lights (right side)

UNDERCARRIAGE

- 500 mm (20") triple grouser shoes
- 600 mm (24") triple grouser shoes
- 700 mm (28") triple grouser shoes
- Rubber pad for 500 mm (20") triple grouser shoes
- 2500 mm (8'2") blade with replaceable cutting edge
- 2600 mm (8'6") blade with replaceable cutting edge
- 2700 mm (8'10") blade with replaceable cutting edge
- Segmented (2 piece) track guiding guard

SECURITY

- FOGS, bolt-on
- Guard, vandalism
- Security system fitted (MSS)
- Bottom guards, heavy duty

TECHNOLOGY

- Cat Grade Control Depth and Slope
- Product Link

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

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