

# 314D CR 314D LCR

Hydraulic Excavators

CATERPILLAR®



#### Engine

Gross Power	72 kW	97 hp
Net Power (SAE J1349)	67 kW	90 hp
Engine Model	Cat® C4.2 ACERT®	

#### Weights

Operating Weight – Standard Undercarriage	14 000 kg	30,865 lb
Operating Weight – Long Undercarriage	14 100 kg	31,085 lb

## Features

### Comfortable Operator Station

*Spacious and quiet, this world class cab lets the operator focus on performance and production.*

### Industry-Leading Performance

*The 314D CR/314D LCR with a Cat® C4.2 ACERT® engine and overall system efficiency delivers industry-leading productivity.*

### Maximum Versatility

*Easily configure and operate a large variety of work tools with the Cat Tool Control System.*

### Proven Reliability

*Caterpillar® design and manufacturing techniques provide maximum uptime with outstanding durability and service life.*

### Low Emissions Engine

*Do more work using less fuel with the Cat C4.2 ACERT engine. It meets U.S. EPA Tier 3 and EU Stage IIIA emissions while maintaining the power and performance expected from Caterpillar.*

### Compact Radius

*The shorter tail swing and tighter front swing radius allow the operator to work safer and more efficiently on space restricted or congested job sites, focusing more on the work at hand and less on the counterweight clearance.*

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**Achieve high productivity and lower operating costs with the Cat® 314D Hydraulic Excavator. Unmatched versatility, improved controllability, easy operation and a comfortable, redesigned operator station help make the 314D an industry-leading performer.**

# Operator Station

Enhanced comfort, operation and visibility

Experience a spacious, quiet and comfortable operator station. The cab is pressurized to reduce the amount of dust that enters the cab, keeping the operator comfortable the entire shift, while assuring high productivity during long work days.

- The comfortable seat adjusts to suit the operator's size and weight. Available as an option is a heated, air suspension seat.
- Standard air conditioning with automatic climate control adjusts temperature and airflow.
- Low effort joystick controls are designed to match the operator's natural wrist and arm position. Joysticks can be operated with arms on the adjustable armrests. The horizontal and vertical strokes are designed to reduce fatigue.

## Prestart Check and Monitor Display

Prior to starting the machine, the system checks for low engine oil, hydraulic oil and engine coolant fluid levels and warns the operator through a color Liquid Crystal Display (LCD) monitor. The LCD monitor displays vital operating and performance information, in 29 different languages, for operator convenience.

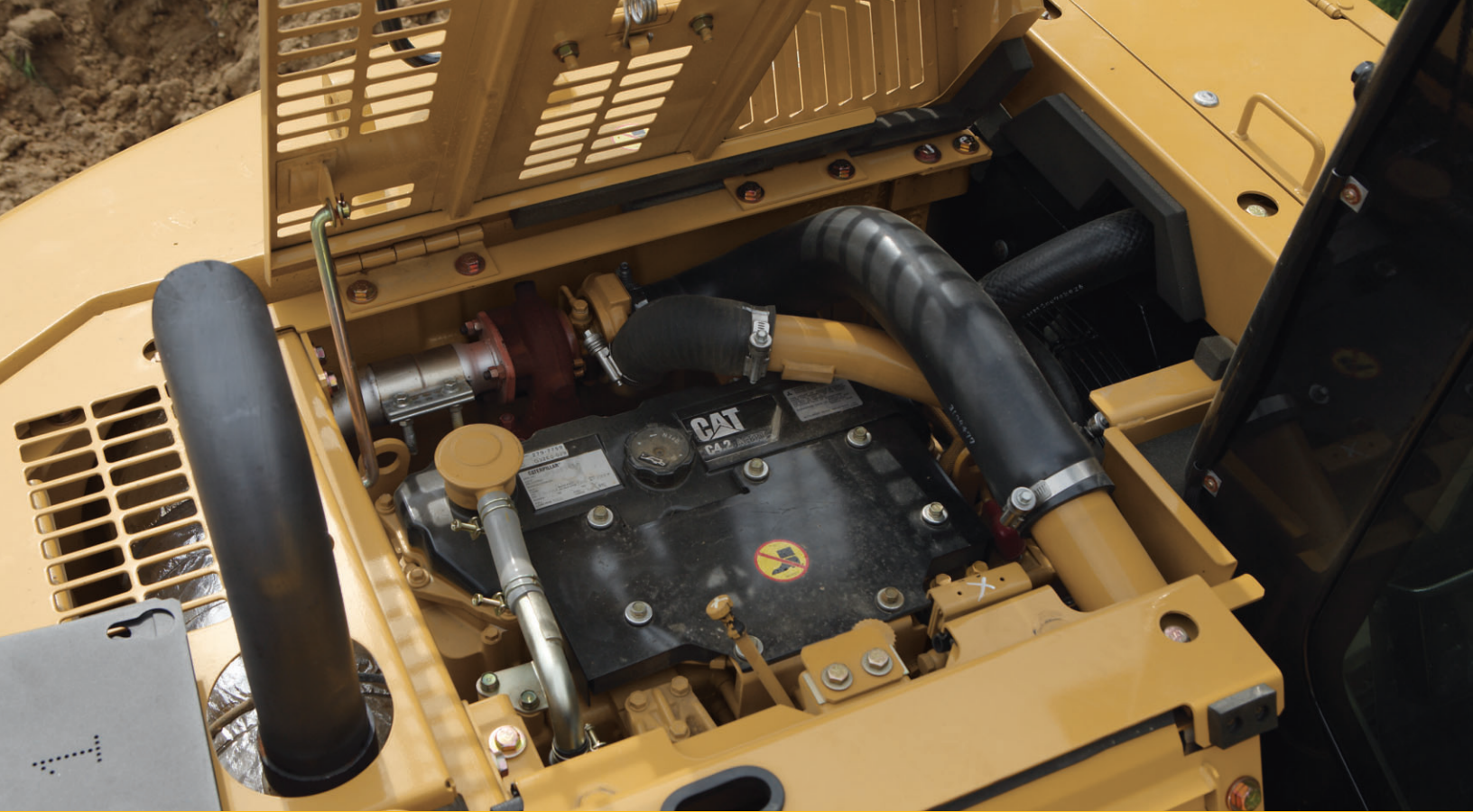
## Cab Exterior

The 314D provides a new cab design that allows a Falling Object Guard System (FOGS) or front windshield screen to be bolted directly to the cab, at the factory or in the field, enabling the machine to meet specifications and job site requirements. The cab shell is attached to the frame with viscous rubber cab mounts that dampen vibrations and sound levels to enhance operator comfort.

## Machine Security System

An optional Machine Security System (MSS) utilizes a programmable key, deterring theft, vandalism and unauthorized usage. MSS uses electronically coded keys selected by the customer to limit usage by individuals or time parameters.





# Engine

Delivering the most work per liter/gallon of fuel consumed

The Cat® C4.2 engine with ACERT® Technology optimizes performance and meets U.S. EPA Tier 3 and EU Stage IIIA regulations. In conjunction with integrated electronics, ACERT Technology reduces emissions during the combustion process by using advanced technology in the air and fuel systems. The Cat C4.2 engine delivers exceptional power, allowing more hydraulic pressure to drive productivity and reduce your cost per ton of material moved.

## **Automatic Engine Control and Fuel Delivery**

A two-stage control and one-touch low idle button maximize fuel efficiency and reduce sound levels. Fuel delivery is managed by the ADEM™ A4 Engine Controller for the best performance per liter (gallon) of fuel used. Flexible fuel mapping allows the engine to respond quickly to varying application needs.

## **Crankshaft and Pistons**

A forged, one-piece, induction hardened crankshaft enhances balance, decreases vibration and improves abrasion resistance. Heat resistant, aluminum alloy pistons have a short compression height for greater efficiency and longer life.

## **Economy Mode**

Accessible through the in-cab monitor, economy mode allows you to balance the demands of performance and fuel economy while maintaining the breakout forces and lift capacity enjoyed at standard power.

# Hydraulics

Low effort and precise control for highly efficient performance

## Outstanding Performance

With two percent more hydraulic pressure for additional lift and breakout forces, the 314D hydraulic system is designed for high efficiency and performance. Auxiliary hydraulic and electrical lines are routed to the boom foot as standard, making retrofit of hydraulic circuits much easier. This compact design utilizes short tubes and lines, reducing friction and pressure drops, resulting in a more efficient use of power.

- Hydraulic snubbers at the rod end of the boom cylinders and both ends of the stick cylinder cushion shock, reduce sound and increase cylinder life.
- Flow is reduced to a minimum when controls are in neutral to reduce fuel consumption and extend component life.
- Hydraulic Cross-Sensing System uses two hydraulic pumps up to 100 percent of available hydraulic horsepower under all operating conditions, improving productivity with faster implement speeds and quicker, stronger pivot turns.

## Boom and Stick Regeneration Circuit

The boom and stick electronic regeneration circuit saves energy during boom-down and stick-in operation, increasing efficiency and lowering operating costs.

## Easy Operation

Work mode and power mode switches have been eliminated making full power available at all times. Operators do not need to learn different modes. An automatic boom and swing priority function automatically selects the best mode based on joystick movement.



# Undercarriage/Structures

Strong, stable and easy to maneuver



Caterpillar uses advanced engineering and software to analyze all structures, creating a durable, reliable machine for the toughest applications. More than 70 percent of the structural welds are robotic and achieve additional penetration over manual welds. These structural components and undercarriage are the backbone of the machine's durability.

## Carbody Design

X-shaped, box section carbody provides excellent resistance to torsional bending. Robot-welded track roller frames are press-formed, pentagonal units that deliver exceptional strength and service life. Idler and center guards (standard for LC option) are available to help maintain track alignment when traveling or working on slopes.

## Grease Lubricated Track

Track links are assembled and sealed with grease to decrease internal bushing wear and increase life by as much as 25 percent, when compared to dry seal undercarriages.

## Travel Motors

Travel motors with automatic speed selection let the 314D automatically change up and down from high and low speeds in a smooth, controlled manner.

## Front Linkage

Reliable, durable and versatile

Built for performance and long service life, Cat booms and sticks are welded, box-section structures with thick multi-plate high strength steel fabrications. Service intervals are extended with self-lubricating bearings that resist corrosion and galling for superior durability.

### Boom

The boom is designed for maximum digging capability and is robotic welded to ensure consistent quality. This allows excellent all-around versatility and a large working envelope.

### Stick

Three stick options are available to meet your application needs and increase performance and productivity. A new 2.8 m (9'2") intermediate stick is available to provide long reach and increased digging and lifting capability.



# Versatility

More options for more work

## Work Tools

Caterpillar offers a variety of work tools, including hammers, thumbs, grapples, multi-processors, shears, pulverizers and vibratory compactors to fit your application needs. Additionally, a wide range of buckets are available to optimize machine performance.

Auxiliary hydraulic and electrical lines are routed to the boom foot for easier installation of auxiliary hydraulic circuits, therefore reducing time, parts and cost required to add a work tool.

## Hydraulic Pin Grabber Coupler

An optional hydraulic pin grabber coupler is available to pick up a wide variety of buckets and work tools without having to leave the cab, thus maximizing productivity.

## Enhanced Systems

Work tool functionality has increased the versatility of the machine with the enhancement of the following:

- An optional Combined System enables one or two pump flow in one or two directions. With this system, only one hydraulic circuit is required.
- The Tool Control System stores up to 10 different tool settings through the in-cab display monitor. Cat Work Tools are selectable with preset flows and pressures.
- Offered as an option, the Priority Flow System provides all the advantages of the Combined System plus true priority flow for hydraulic work tools such as rotary mowers.
- Medium Pressure Circuit is available as an attachment for work tools requiring additional auxiliary hydraulics such as the rotate function on rotating grapples and shears.

## Compact Radius

The shorter tail swing and tighter front swing radius allow the operator to work safer and more efficiently on space restricted or congested job sites, focusing more on the work at hand and less on counterweight clearance.



# Compact Radius

Flexibility in tight quarters and peace of mind



## Compact Radius Design

The 314D CR/314D LCR features a compact radius design which makes it ideal for working in space restricted conditions such as close to buildings, against walls/fences/embankments, wooded residential lots, road construction – limiting lane closures, logging roads or just generally “crowded” job sites. This is not just a “city” machine. The tail swing radius is just 1.48 m (4'10") with the standard counterweight as compared to 2.14 m (7'0") on the Cat 312D. When rotated 90 degrees and working over the side, a minimal amount of counterweight extends beyond the track width: 185 mm (7") of overhang with 600 mm (24") track shoes and standard counterweight. At the end of the day, there is significantly reduced risk of damage to the machine and any job site obstacles which equates to lower operating costs, better resale value, increased safety and more operator comfort.

## Operator Confidence

Due to the 314D CR/314D LCR compact working envelope, operators can work confidently knowing that the counterweight will not swing into objects behind them.

## Comfort

The cab on the 314D CR/314D LCR is a comfortable place to work, with low sound levels, good viewing area and convenient access to the switches and controls. The 314D CR/314D LCR cab offers many of the same amenities and options found on the cab of the Cat 312D.

## Working Envelope

To further minimize the working envelope, the boom is repositioned more towards the center of the machine compared to a standard excavator. This reduces the front swing radius when the boom is pulled all the way up and the stick brought in completely.





# Serviceability

Simplified service and maintenance saves time and money

Designed with the service technician in mind, many service locations are at ground level so critical maintenance can be done quickly and efficiently. Longer maintenance intervals reduce cost and increase machine availability.

- LCD monitor has the capability to memorize working hours for filters, fluids, components and work tools. Working time histories and recommended change intervals can be displayed.
- Oil level gauge, fuel filter and priming pump are conveniently located on the front of the engine for easy maintenance.
- An optional electronic fuel water sensor is available to alert the operator when the water level is high.
- Product Link assists with fleet management by tracking hours, location and product health.
- New anti-skid plates over the top of the storage box and upper structure help prevent slipping and mud from falling into the upper structure.

## Sampling Ports

Equipped with S-O-S<sup>SM</sup> sampling ports and test ports for hydraulics, engine oil and coolant for quick diagnostics. A test connection for the Cat Electronic Technician (Cat ET) service tool is now located in the cab, behind the seat.

## Air Cleaner

A double-layered filter core in the radial seal air filter gives more efficient filtration. A warning is displayed on the monitor when dust accumulates above a preset level. This filter is conveniently located in the compartment behind the cab. An optional pre-cleaner is also available to extend filter life and reduce maintenance costs.

## Capsule Filter

Capsule-type, hydraulic return filter is accessible from outside the tank and prevents contaminants from entering the system when changing the hydraulic oil.

## Radiator Compartment

Removable screens are located in front of the radiator and hydraulic cooler, reducing cleaning time and effort.



# Customer Support

Unmatched support makes the difference

**Your Cat dealer is ready to assist you with your purchase decision and everything after.**

- Make detailed comparisons of the machines you are considering before you buy with estimates of component life, preventive maintenance and the true cost of production.
- Customize the machine that is right for you using Build and Quote applications on your dealer's website or [www.cat.com](http://www.cat.com).
- Get the latest training literature and trained staff.
- Repair option programs guarantee the cost of repairs up front.
- Nearly all parts are available at dealer parts counters.
- Financing packages are flexible to meet your needs.
- Your Cat dealer can evaluate the cost involved in repairing, rebuilding and replacing your machine so you make the right choice.
- SAFETY.CAT.COM™.

# 314D CR/314D LCR Hydraulic Excavator Specifications

## Engine

Engine Model	Cat® C4.2 ACERT®	
Gross Power	72 kW	97 hp
Net Power (SAE J1349)	67 kW	90 hp
SAE J1349	67 kW	90 hp
Bore	102 mm	4 in
Stroke	130 mm	5.1 in
Displacement	4.25 L	259 in <sup>3</sup>

- Net power advertised is the power available at the flywheel when the engine is equipped with fan, air cleaner, muffler and alternator.
- No engine power derating required below 2300 m (7,500 ft).
- The 314D CR/314D LCR meets U.S. EPA Tier 3 and EU Stage IIIA Directive/97/68/EC emissions requirements.

## Weights

Operating Weight – Standard Undercarriage	14 000 kg	30,865 lb
Operating Weight – Long Undercarriage	14 100 kg	31,085 lb

- Weight includes 500 mm (20 in) shoe, 0.43 m<sup>3</sup> (0.56 yd<sup>3</sup>) bucket, long stick (3.0 m/9'10") and standard counterweight.

## Swing Mechanism

Swing Torque	30.9 kN·m	22,825 lb ft
Swing Speed	11.5 rpm	

## Hydraulic System

Maximum Pressure – Implements	30 500 kPa	4,424 psi
Maximum Pressure – Travel	35 000 kPa	5,076 psi
Maximum Pressure – Swing	23 000 kPa	3,336 psi
Pilot System – Maximum Flow	21.1 L/min	5.57 gal/min
Pilot System – Maximum Pressure	4120 kPa	598 psi
Blade – Maximum Flow	47 L/min	12.42 gal/min
Blade System – Maximum Pressure	20 600 kPa	2,988 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 in

## Service Refill Capacities

Fuel Tank	186 L	49 gal
Cooling System	18 L	5 gal
Engine Oil	19 L	5 gal
Swing Drive (each)	3 L	1 gal
Final Drive (Each)	3 L	1 gal
Hydraulic System (Including Tank)	160 L	42 gal
Hydraulic Tank	120 L	32 gal

## Sound Performance

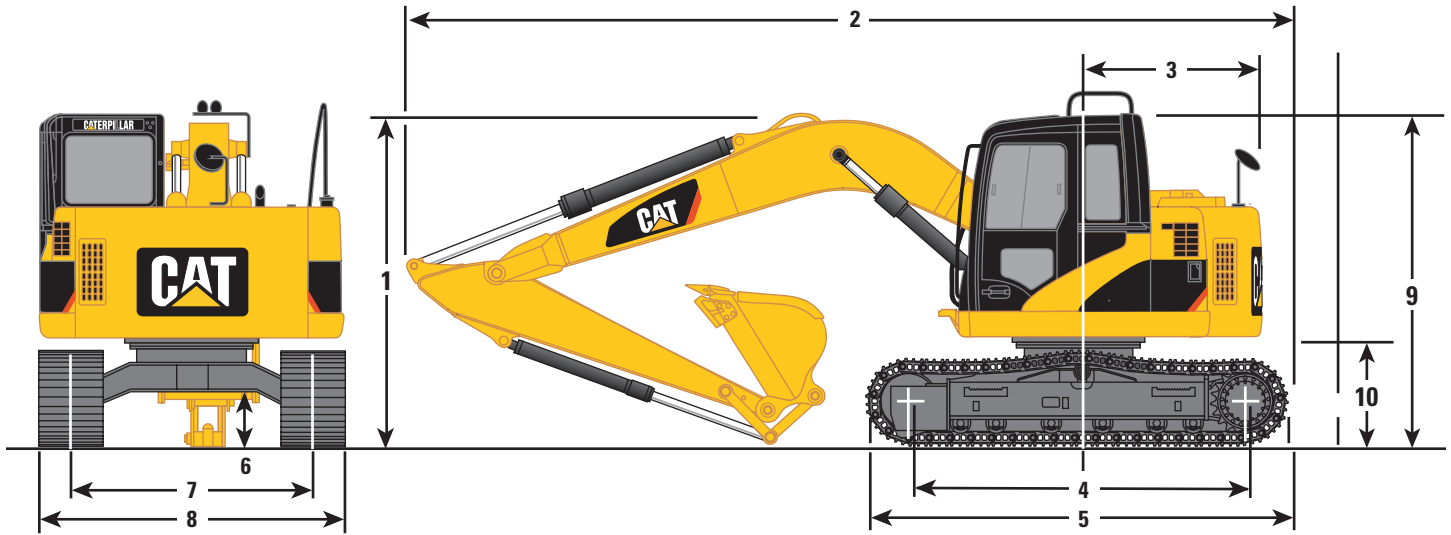
Performance	ANSI/SAE J1166 OCT98
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- When properly installed and maintained, the cab offered by Caterpillar, when tested with doors and windows closed according to ANSI/SAE J1166 OCT 98, meets OSHA and MSHA requirements for operator sound exposure limits 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.

# 314D CR/314D LCR Hydraulic Excavator Specifications

## Dimensions

All dimensions are approximate.



Boom Options	Reach	Reach	Reach
Stick Options	2.5 m (8'2")	2.8 m (9'2")	3.0 m (9'10")
<b>1</b> Shipping Height	2910 mm (9'7")	3030 mm (9'11")	2910 mm (9'7")
<b>2</b> Shipping Length	7270 mm (23'10")	7390 mm (24'3")	7410 mm (24'4")
<b>3</b> Tail Swing Radius (with standard counterweight)	1480 mm (4'10")	1480 mm (4'10")	1480 mm (4'10")
<b>4</b> Length to Center of Rollers			
314D CR	2780 mm (9'1")	2780 mm (9'1")	2780 mm (9'1")
314D LCR	3040 mm (10'0")	3040 mm (10'0")	3040 mm (10'0")
<b>5</b> Track Length			
314D CR	3490 mm (11'5")	3490 mm (11'5")	3490 mm (11'5")
314D LCR	3750 mm (12'4")	3750 mm (12'4")	3750 mm (12'4")
<b>6</b> Ground Clearance	430 mm (1'5")	430 mm (1'5")	430 mm (1'5")
<b>7</b> Track Gauge			
314D CR	1990 mm (6'6")	1990 mm (6'6")	1990 mm (6'6")
314D LCR	1990 mm (6'6")	1990 mm (6'6")	1990 mm (6'6")
<b>8</b> Transport Width	500 mm (20") Shoes	600 mm (24") Shoes	700 mm (28") Shoes
314D CR	2490 mm (8'2")	2590 mm (8'6")	2690 mm (8'10")
314D LCR	2490 mm (8'2")	2590 mm (8'6")	2690 mm (8'10")
<b>9</b> Cab Height	2730 mm (8'11")	2730 mm (8'11")	2730 mm (8'11")
<b>10</b> Counterweight Clearance	895 mm (2'11")	895 mm (2'11")	895 mm (2'11")

## Operating Weights (with standard counterweight)

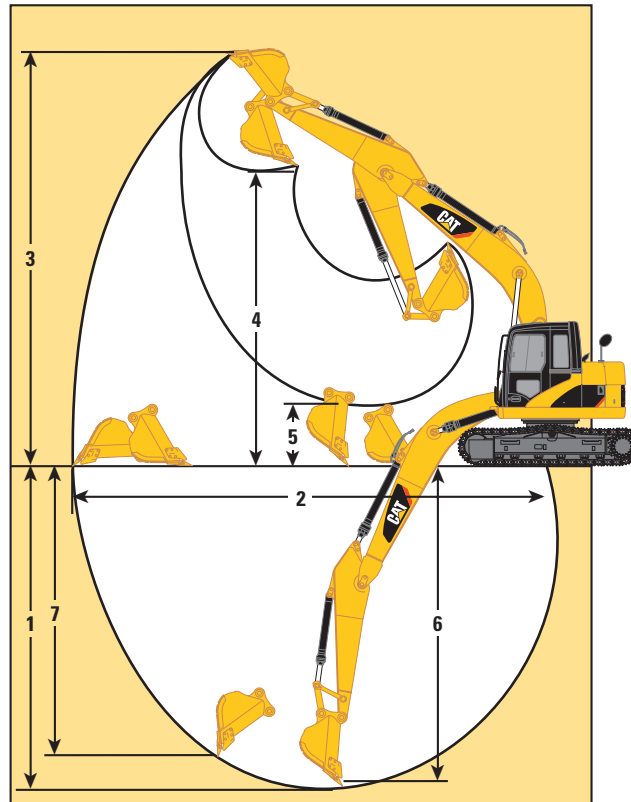
Caterpillar designed and built track-type undercarriage.

Track Width		Operating Weight 2.5 m (8'2")		Operating Weight 2.8 m (9'2")		Operating Weight 3.0 m (9'10")		
314D CR	500 mm (20") triple grouser	14 000 kg	30,865 lb	14 000 kg	30,865 lb	14 000 kg	30,865 lb	
	600 mm (24") triple grouser	14 200 kg	31,306 lb	14 200 kg	31,306 lb	14 200 kg	31,306 lb	
	700 mm (28") triple grouser	14 400 kg	31,747 lb	14 500 kg	31,967 lb	14 500 kg	31,967 lb	
		Blade: add						
	500 mm (20") triple grouser	w/Blade	14 800 kg	32,628 lb	14 800 kg	32,628 lb	14 800 kg	32,628 lb
	600 mm (24") triple grouser	w/Blade	15 000 kg	33,069 lb	15 000 kg	33,069 lb	15 100 kg	33,290 lb
	700 mm (28") triple grouser	w/Blade	15 300 kg	33,731 lb	15 300 kg	33,731 lb	15 300 kg	33,731 lb
			0.52 m <sup>3</sup> bucket		0.40 m <sup>3</sup> bucket		0.40 m <sup>3</sup> bucket	
314D LCR	500 mm (20") triple grouser	14 100 kg	31,085 lb	14 100 kg	31,085 lb	14 100 kg	31,085 lb	
	600 mm (24") triple grouser	14 300 kg	31,526 lb	14 400 kg	31,747 lb	14 400 kg	31,747 lb	
	700 mm (28") triple grouser	14 600 kg	32,187 lb	14 600 kg	32,187 lb	14 600 kg	32,187 lb	
		Blade: add						
	500 mm (20") triple grouser	w/Blade	14 900 kg	32,849 lb	14 900 kg	32,849 lb	14 900 kg	32,849 lb
	600 mm (24") triple grouser	w/Blade	15 200 kg	33,510 lb	15 200 kg	33,510 lb	15 200 kg	33,510 lb
	700 mm (28") triple grouser	w/Blade	15 400 kg	33,951 lb	15 400 kg	33,951 lb	15 500 kg	34,172 lb
			0.52 m <sup>3</sup> bucket		0.40 m <sup>3</sup> bucket		0.40 m <sup>3</sup> bucket	

# 314D CR/314D LCR Hydraulic Excavator Specifications

## Working Ranges

All dimensions are approximate.



Boom	Reach 4.65 m (15'3")	Reach 4.65 m (15'3")	Reach 4.65 m (15'3")
Stick	2.5 m (8'2")*	2.8 m (9'2")*	3.0 m (9'10")*
Bucket	0.52 m <sup>3</sup> (0.68 yd <sup>3</sup> )	0.40 m <sup>3</sup> (0.53 yd <sup>3</sup> )	0.40 m <sup>3</sup> (0.53 yd <sup>3</sup> )
1 Maximum Digging Depth	5440 mm (17'10")	5740 mm (18'10")	5940 mm (19'6")
2 Maximum Reach at Ground Level	8180 mm (26'10")	8440 mm (27'8")	8630 mm (28'4")
3 Maximum Cutting Height	9300 mm (30'6")	9470 mm (31'1")	9630 mm (31'7")
4 Maximum Loading Height	6870 mm (22'6")	7040 mm (23'1")	7200 mm (23'7")
5 Minimum Loading Height	2510 mm (8'3")	2250 mm (7'5")	2060 mm (6'9")
6 Maximum Depth Cut for 2440 m (8'0") Level Bottom	5240 mm (17'2")	5550 mm (18'3")	5760 mm (18'11")
7 Maximum Vertical Wall Digging Depth	4910 mm (16'1")	5080 mm (16'8")	5280 mm (17'4")
Minimum Front Swing Radius	1980 mm (6'6")	2160 mm (7'1")	2230 mm (7'4")
Stick Digging Force (SAE)	64 kN (14,400 lbf)	60 kN (13,500 lbf)	57 kN (12,800 lbf)
Bucket Digging Force (SAE)	85 kN (19,100 lbf)	85 kN (19,100 lbf)	85 kN (19,100 lbf)

\* Measurements shown are for machines equipped with the 0.52 m<sup>3</sup> (0.68 yd<sup>3</sup>) buckets.

## Buckets

Buckets have tapered sides, angled corner teeth, dual radius curvature, horizontal wear strips and holes for optional side cutters.

### Recommended Maximum Material Density

Width		Capacity		2.5 m (8'2") Stick		2.8 m (9'2") Stick		3.0 m (9'10") Stick	
mm	in	m <sup>3</sup>	yd <sup>3</sup>	kg/m <sup>3</sup>	lb/yd <sup>3</sup>	kg/m <sup>3</sup>	lb/yd <sup>3</sup>	kg/m <sup>3</sup>	lb/yd <sup>3</sup>
598	24	0.30	0.39	1800	3,050	1800	3,050	1800	3,050
748	30	0.40	0.52	1800	3,050	1800	3,050	1800	3,050
903	36	0.52	0.68	1800	3,050	1800	3,050	1500	2,550
1055	42	0.63	0.82	1500	2,550	1200	2,000	1200	2,000
1206	48	0.74	0.97	1200	2,000	1200	2,000	900	1,500

### Material Densities

Material	kg/m <sup>3</sup> *	lb/yd <sup>3</sup> **	Material	kg/m <sup>3</sup> *	lb/yd <sup>3</sup> **
Clay, dry	1480	2,500	Gravel, pit run	1930	3,250
Clay, wet	1660	2,800	Rock/dirt, 50%	1720	2,900
Earth, dry	1510	2,550	Sand, dry	1420	2,400
Earth, wet	1600	2,700	Sand, wet	1840	3,100
Loam	1250	2,100	Sand & Clay	1600	2,700
Gravel, dry	1510	2,550	Stone, crushed	1600	2,700
Gravel, wet	2020	3,400	Top soil	950	1,600

\* kilograms per loose cubic meter

\*\* pounds per loose cubic yard

For densities of other materials see Caterpillar Performance Handbook.

## Undercarriage

Caterpillar designed and built track-type undercarriage.

Track Width	Ground Pressure	
	314D CR	314D LCR
500 mm (20") triple grouser	45.3 kPa (6.6 psi)	42.1 kPa (6.1 psi)
600 mm (24") triple grouser	38.4 kPa (5.6 psi)	35.7 kPa (5.2 psi)
700 mm (28") triple grouser	33.5 kPa (4.9 psi)	31.2 kPa (4.5 psi)

With standard counterweight, 0.4 m<sup>3</sup> (0.52 yd<sup>3</sup>) bucket.

Track Width	Ground Pressure	
	314D CR	314D LCR
500 mm (20") triple grouser	47.0 kPa (6.8 psi)	43.6 kPa (6.3 psi)
600 mm (24") triple grouser	39.8 kPa (5.8 psi)	37.0 kPa (5.4 psi)
700 mm (28") triple grouser	34.6 kPa (5.1 psi)	32.3 kPa (4.7 psi)

With optional counterweight, 0.4 m<sup>3</sup> (0.52 yd<sup>3</sup>) bucket.

# 314D CR/314D LCR Hydraulic Excavator Specifications

## 314D CR Reach Boom Lift Capacities\*\*



Load at  
Maximum Reach



Load Radius  
Over Front

















Load Radius  
Over Side

**R3.0 (LONG) STICK** – 3.0 m (9'10")  
**BUCKET** – 0.40 m<sup>3</sup> (0.53 yd<sup>3</sup>)

**UNDERCARRIAGE** – Standard  
**SHOES** – 600 mm (24") triple grouser

**BOOM** – Reach 4.65 m (15'3")  
**BLADE** – Without Blade

	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				*1500 *3,050	*1500 *3,050					*1300 *2,750	*1300 *2,750	5.24 16.73	
6.0 m 20.0 ft	kg lb				*2400 *5,150	*2400 *5,150	*2050 *4,350	*2050 *4,350			*1500 *3,350	*1500 *3,350	6.51 21.15	
4.5 m 15.0 ft	kg lb				*3100 *6,750	*3100 *6,750	*2900 *6,350	2200 4,650			*1450 *3,200	*1450 *3,200	7.30 23.87	
3.0 m 10.0 ft	kg lb			*4700 *9,700	*4700 *9,700	*3900 *8,400	3350 7,250	3050 6,500	2100 4,450	2050 *4,350	1350 2,900	*1450 *3,200	1250 2,750	7.77 25.46
1.5 m 5.0 ft	kg lb				4600 9,850	3050 6,550	2900 6,200	1950 4,150	2000 4,250	1300 2,800	*1550 *3,350	1150 2,550	7.95 26.08	
Ground Line	kg lb			*5300 *12,350	5300 11,350	4350 9,300	2850 6,100	2750 5,900	1850 3,900	1950 4,150	1250 2,700	*1700 *3,700	1200 2,550	7.80 25.6
-1.5 m -5.0 ft	kg lb	*3850 *8,600	*3850 *8,600	*7150 *15,750	5250 11,250	4250 9,100	2750 5,900	2700 5,800	1750 3,750			2000 4,400	1300 2,850	7.32 23.99
-3.0 m -10.0 ft	kg lb	*5850 *12,800	*5850 *12,800	*5600 *12,000	5350 11,450	*4100 *8,750	2750 5,900	2700 5,850	1800 3,800			*2350 *5,150	1600 3,550	6.42 20.95
-4.5 m -15.0 ft	kg lb					*1950 *3,750	*1950 *3,750					*1600 *3,450	*1600 *3,450	4.86 15.38















\*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.

\*\*Machine equipped with standard counterweight.

**R3.0 (LONG) STICK** – 3.0 m (9'10")  
**BUCKET** – 0.40 m<sup>3</sup> (0.53 yd<sup>3</sup>)

**UNDERCARRIAGE** – Standard  
**SHOES** – 600 mm (24") triple grouser

**BOOM** – Reach 4.65 m (15'3")  
**BLADE** – Hold

	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				*1500 *3,050	*1500 *3,050					*1300 *2,750	*1300 *2,750	5.24 16.73	
6.0 m 20.0 ft	kg lb				*2400 *5,150	*2400 *5,150	*2050 *4,350	*2050 *4,350			*1500 *3,350	*1500 *3,350	6.51 21.15	
4.5 m 15.0 ft	kg lb				*3100 *6,750	*3100 *6,750	*2900 *6,350	2600 5,500			*1450 *3,200	*1450 *3,200	7.30 23.87	
3.0 m 10.0 ft	kg lb			*4700 *9,700	*4700 *9,700	*3900 *8,400	*3200 *6,950	2450 5,300	*2300 *4,350	1650 3,500	*1450 *3,200	*1450 *3,200	7.77 25.46	
1.5 m 5.0 ft	kg lb					*4800 *10,400	3650 7,850	*3550 *7,700	2350 5,000	*2900 *5,850	1600 3,400	*1550 *3,350	1450 3,150	7.95 26.08
Ground Line	kg lb			*5300 *12,350	*5300 12,050	*5250 *11,400	3450 7,350	*3800 *8,150	2200 4,750	*2850 *5,550	1550 3,350	*1700 *3,700	1450 3,200	7.80 25.6
-1.5 m -5.0 ft	kg lb	*3850 *8,600	*3850 *8,600	*7150 *15,750	6450 13,800	*5050 *10,900	3350 7,150	*3600 *7,750	2150 4,600			2000 *4,400	1600 3,500	7.32 23.99
-3.0 m -10.0 ft	kg lb	*5850 *12,800	*5850 *12,800	*5600 *12,000	*5600 *12,000	*4100 *8,750	3350 7,200	*2800 *5,850	2150 4,650			*2350 *5,150	2000 4,350	6.42 20.95
-4.5 m -15.0 ft	kg lb					*1950 *3,750	*1950 *3,750					*1600 *3,450	*1600 *3,450	4.86 15.38

\*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.

\*\*Machine equipped with standard counterweight.

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



## 314D CR Reach Boom Lift Capacities\*\*



Load Point  
Height



Load at  
Maximum Reach



Load Radius  
Over Front



Load Radius  
Over Side

**R3.0 (LONG) STICK** – 3.0 m (9'10")  
**BUCKET** – 0.40 m<sup>3</sup> (0.53 yd<sup>3</sup>)

**UNDERCARRIAGE** – Standard  
**SHOES** – 700 mm (28") triple grouser

**BOOM** – Reach 4.65 m (15'3")  
**BLADE** – Without Blade

		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					*1500 *3,050	*1500 *3,050					*1300 *2,750	*1300 *2,750	5.24 16.73
6.0 m 20.0 ft	kg lb					*2400 *5,150	*2400 *5,150	*2050 *4,350	*2050 *4,350			*1500 *3,350	*1500 *3,350	6.51 21.15
4.5 m 15.0 ft	kg lb					*3100 *6,750	*3100 *6,750	*2900 *6,350	2200 4,700			*1450 *3,200	*1450 *3,200	7.30 23.87
3.0 m 10.0 ft	kg lb			*4700 *9,700	*4700 *9,700	*3900 *8,400	3450 7,350	3100 6,600	2100 4,500	2100 4,350	1400 2,950	*1450 *3,200	1300 2,850	7.77 25.46
1.5 m 5.0 ft	kg lb					4650 10,000	3100 6,700	2950 6,300	2000 4,250	2050 4,350	1350 2,850	*1550 *3,350	1200 2,600	7.95 26.08
Ground Line	kg lb			*5300 *12,350	*5300 11,550	4400 9,450	2900 6,200	2800 6,050	1850 4,000	2000 4,250	1300 2,750	*1700 *3,700	1200 2,650	7.80 25.6
-1.5 m -5.0 ft	kg lb	*3850 *8,600	*3850 *8,600	*7150 *15,750	5350 11,450	4300 9,250	2800 6,000	2750 5,900	1800 3,850			*2000 *4,400	1350 2,900	7.32 23.99
-3.0 m -10.0 ft	kg lb	*5850 *12,800	*5850 *12,800	*5600 *12,000	5450 11,650	*4100 *8,750	2800 6,050	2750 *5,850	1800 3,900			*2350 *5,150	1650 3,650	6.42 20.95
-4.5 m -15.0 ft	kg lb					*1950 *3,750	*1950 *3,750					*1600 *3,450	*1600 *3,450	4.86 15.38

\*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.

\*\*Machine equipped with standard counterweight.

**R3.0 (LONG) STICK** – 3.0 m (9'10")  
**BUCKET** – 0.40 m<sup>3</sup> (0.53 yd<sup>3</sup>)

**UNDERCARRIAGE** – Standard  
**SHOES** – 700 mm (28") triple grouser

**BOOM** – Reach 4.65 m (15'3")  
**BLADE** – Hold

		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					*1500 *3,050	*1500 *3,050					*1300 *2,750	*1300 *2,750	5.24 16.73
6.0 m 20.0 ft	kg lb					*2400 *5,150	*2400 *5,150	*2050 *4,350	*2050 *4,350			*1500 *3,350	*1500 *3,350	6.51 21.15
4.5 m 15.0 ft	kg lb					*3100 *6,750	*3100 *6,750	*2900 *6,350	2700 5,700			*1450 *3,200	*1450 *3,200	7.30 23.87
3.0 m 10.0 ft	kg lb			*4700 *9,700	*4700 *9,700	*3900 *8,400	*3900 *8,400	*3200 *6,950	2600 5,800	*2300 *4,350	1750 3,700	*1450 *3,200	*1450 *3,200	7.77 25.46
1.5 m 5.0 ft	kg lb					*4800 *10,400	3800 8,200	*3550 *7,700	2450 5,200	*2900 *5,850	1700 3,550	*1550 *3,350	1500 3,300	7.95 26.08
Ground Line	kg lb			*5300 *12,350	*5300 12,300	*5250 *11,400	3600 7,700	*3800 *8,150	2300 4,950	*2850 *5,550	1650 3,450	*1700 *3,700	1550 3,350	7.80 25.6
-1.5 m -5.0 ft	kg lb	*3850 *8,600	*3850 *8,600	*7150 *15,750	6750 14,450	*5050 *10,900	3500 7,500	*3600 *7,750	2250 4,850			*2000 *4,400	1650 3,650	7.32 23.99
-3.0 m -10.0 ft	kg lb	*5850 *12,800	*5850 *12,800	*5600 *12,000	*5600 *12,000	*4100 *8,750	3500 7,550	*2800 *5,850	2300 4,900			*2350 *5,150	2050 4,550	6.42 20.95
-4.5 m -15.0 ft	kg lb					*1950 *3,750	*1950 *3,750					*1600 *3,450	*1600 *3,450	4.86 15.38

\*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.

\*\*Machine equipped with standard counterweight.

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

# 314D CR/314D LCR Hydraulic Excavator Specifications

## 314D CR Reach Boom Lift Capacities\*\*



Load Point Height



Load at Maximum Reach



Load Radius Over Front

















Load Radius Over Side

**R2.8 (SEMI-LONG) STICK** – 2.8 m (9'2")  
**BUCKET** – 0.40 m<sup>3</sup> (0.53 yd<sup>3</sup>)

**UNDERCARRIAGE** – Standard  
**SHOES** – 600 mm (24") triple grouser

**BOOM** – Reach 4.65 m (15'3")  
**BLADE** – Without Blade

	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				*1450 *	*1450 *					*1300 *2,750	*1300 *2,750	4.94 15.72
6.0 m 20.0 ft	kg lb				*2450 *5,150	*2450 *5,150	*2050 *	*2050 *			*1650 *3,650	*1650 *3,650	6.28 20.38
4.5 m 15.0 ft	kg lb				*3300 *7,150	*3300 *7,150	*3000 *6,600	2150 4,600			*1600 *3,500	1550 3,400	7.10 23.19
3.0 m 10.0 ft	kg lb			*5850 *12,450	*5850 *12,450	*4050 *8,750	3350 7,150	3000 6,450	2050 4,400		*1600 *3,500	1350 2,900	7.58 24.83
1.5 m 5.0 ft	kg lb				4550 9,800	3050 6,550	2900 6,150	1950 4,150	2000 1300		*1700 *3,650	1250 2,700	7.76 25.46
Ground Line	kg lb			*5000 *11,650	*5000 11,350	4350 9,300	2850 6,100	2750 5,900	1850 3,900		*1850 *4,100	1250 2,700	7.61 24.97
-1.5 m -5.0 ft	kg lb	*3900 *8,850	*3900 *8,850	*6350 *14,600	5300 11,350	4250 9,100	2750 5,900	2700 5,800	1800 3,800		2100 4,600	1350 3,000	7.12 23.31
-3.0 m -10.0 ft	kg lb			*5250 *11,250	*5250 *11,250	*3950 *8,400	2800 6,000	*2600 *	1800 *		*2400 *5,150	1750 3,850	6.18 20.15















\*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.

\*\*Machine equipped with standard counterweight.

**R2.8 (SEMI-LONG) STICK** – 2.8 m (9'2")  
**BUCKET** – 0.40 m<sup>3</sup> (0.53 yd<sup>3</sup>)

**UNDERCARRIAGE** – Standard  
**SHOES** – 600 mm (24") triple grouser

**BOOM** – Reach 4.65 m (15'3")  
**BLADE** – Hold

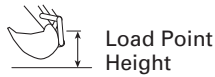
	1.5 m (5.0 ft)		3.0 m (10.0 ft)		4.5 m (15.0 ft)		6.0 m (20.0 ft)		7.5 m (25.0 ft)				m ft
													
7.5 m 25.0 ft	kg lb				*1450 *	*1450 *					*1300 *2,750	*1300 *2,750	4.94 15.72
6.0 m 20.0 ft	kg lb				*2450 *5,150	*2450 *5,150	*2050 *	*2050 *			*1650 *3,650	*1650 *3,650	6.28 20.38
4.5 m 15.0 ft	kg lb				*3300 *7,150	*3300 *7,150	*3000 *6,600	2550 5,450			*1600 *3,500	*1600 *3,500	7.10 23.19
3.0 m 10.0 ft	kg lb			*5850 *12,450	*5850 *12,450	*4050 *8,750	3950 8,500	*3300 *7,150	2450 5,250		*1600 *3,500	*1600 *3,500	7.58 24.83
1.5 m 5.0 ft	kg lb				*4950 *10,650	3650 7,800	*3650 *7,850	2350 5,000	*2750 1600		*1700 *3,650	1500 3,200	7.76 25.46
Ground Line	kg lb			*5000 *11,650	*5000 11,650	*5300 *11,450	3450 7,350	*3800 *8,200	2200 4,750		*1850 *4,100	1550 3,350	7.61 24.97
-1.5 m -5.0 ft	kg lb	*3900 *8,850	*3900 *8,850	*6350 *14,600	*6350 13,900	*4950 *10,750	3350 7,200	*3550 *7,650	2150 4,650		*2200 *4,850	1700 3,700	7.12 23.31
-3.0 m -10.0 ft	kg lb			*5250 *11,250	*5250 *11,250	*3950 *8,400	3400 7,250	*2600 *	2200 *		*2400 *5,150	2100 4,700	6.18 20.15

\*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.

\*\*Machine equipped with standard counterweight.

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

## 314D CR Reach Boom Lift Capacities\*\*



Load Point Height



Load at Maximum Reach



Load Radius Over Front

















Load Radius Over Side

**R2.8 (SEMI-LONG) STICK** – 2.8 m (9'2")  
**BUCKET** – 0.40 m<sup>3</sup> (0.53 yd<sup>3</sup>)

**UNDERCARRIAGE** – Standard  
**SHOES** – 700 mm (28") triple grouser

**BOOM** – Reach 4.65 m (15'3")  
**BLADE** – Without Blade

	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				*1450 *1450	*1450 *1450					*1300 *2,750	*1300 *2,750	4.94 15.72
6.0 m 20.0 ft	kg lb				*2450 *5,150	*2450 *5,150	*2050 *2050				*1650 *3,650	*1650 *3,650	6.28 20.38
4.5 m 15.0 ft	kg lb				*3300 *7,150	*3300 *7,150	*3000 *6,600	2200 4,700			*1600 *3,500	1600 3,500	7.10 23.19
3.0 m 10.0 ft	kg lb			*5850 *12,450	*5850 *12,450	*4050 *8,750	3400 7,300	3100 6,600	2100 4,500		*1600 *3,500	1350 3,000	7.58 24.83
1.5 m 5.0 ft	kg lb				4650 9,950	3100 6,650	2950 6,300	2000 4,200	2050 4,500	1350	*1700 *3,650	1250 2,750	7.76 25.46
Ground Line	kg lb			*5000 *11,650	*5000 11,550	4400 9,450	2900 6,200	2800 6,050	1850 4,000		*1850 *4,100	1250 2,750	7.61 24.97
-1.5 m -5.0 ft	kg lb	*3900 *8,850	*3900 *8,850	*6350 *14,600	5400 11,550	4350 9,300	2800 6,050	2750 5,950	1800 3,900		2150 4,700	1400 3,050	7.12 23.31
-3.0 m -10.0 ft	kg lb			*5250 *11,250	*5250 *11,250	*3950 *8,400	2850 6,100	*2600 5,700	1850 4,000		*2400 *5,150	1800 3,950	6.18 20.15















\*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.

\*\*Machine equipped with standard counterweight.

**R2.8 (SEMI-LONG) STICK** – 2.8 m (9'2")  
**BUCKET** – 0.40 m<sup>3</sup> (0.53 yd<sup>3</sup>)

**UNDERCARRIAGE** – Standard  
**SHOES** – 700 mm (28") triple grouser

**BOOM** – Reach 4.65 m (15'3")  
**BLADE** – Hold

	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				*1450 *1450	*1450 *1450					*1300 *2,750	*1300 *2,750	4.94 15.72
6.0 m 20.0 ft	kg lb				*2450 *5,150	*2450 *5,150	*2050 *2050				*1650 *3,650	*1650 *3,650	6.28 20.38
4.5 m 15.0 ft	kg lb				*3300 *7,150	*3300 *7,150	*3000 *6,600	2650 5,700			*1600 *3,500	*1600 *3,500	7.10 23.19
3.0 m 10.0 ft	kg lb			*5850 *12,450	*5850 *12,450	*4050 *8,750	*3300 *7,150	2550 5,500			*1600 *3,500	*1600 *3,500	7.58 24.83
1.5 m 5.0 ft	kg lb				*4950 *10,650	3800 8,150	*3650 *7,850	2450 5,200	*2750 6,000	1700	*1700 *3,650	1600 3,450	7.76 25.46
Ground Line	kg lb			*5000 *11,650	*5000 11,650	*5300 *11,450	3600 7,700	*3800 *8,200	2300 4,950		*1850 *4,100	1600 3,500	7.61 24.97
-1.5 m -5.0 ft	kg lb	*3900 *8,850	*3900 *8,850	*6350 *14,600	*6350 14,550	*4950 *10,750	3500 7,500	*3550 *7,650	2250 4,850		*2200 *4,850	1750 3,850	7.12 23.31
-3.0 m -10.0 ft	kg lb			*5250 *11,250	*5250 *11,250	*3950 *8,400	3550 7,660	*2600 5,700	2300 4,900		*2400 *5,150	2200 4,900	6.18 20.15

\*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.

\*\*Machine equipped with standard counterweight.

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

# 314D CR/314D LCR Hydraulic Excavator Specifications

## 314D CR Reach Boom Lift Capacities\*\*



Load Point Height



Load at Maximum Reach



Load Radius Over Front















Load Radius Over Side

**R2.5 (MEDIUM) STICK** – 2.5 m (8'2")  
**BUCKET** – 0.52 m<sup>3</sup> (0.68 yd<sup>3</sup>)

**UNDERCARRIAGE** – Standard  
**SHOES** – 600 mm (24") triple grouser

**BOOM** – Reach 4.65 m (15'3")  
**BLADE** – Without Blade

	1.5 m (5.0 ft)		3.0 m (10.0 ft)		4.5 m (15.0 ft)		6.0 m (20.0 ft)				m ft	
												
7.5 m 25.0 ft	kg lb									*1200 *2,550	*1200 *2,550	4.53 14.32
6.0 m 20.0 ft	kg lb					*2400 *5,050	*2400 *5,050			*1700 *3,700	*1700 *3,700	5.97 19.38
4.5 m 15.0 ft	kg lb					*3500 *7,600	*3500 7,550	3100 2100	2100 4,500	*1600 *3,550	*1600 *3,550	6.82 22.29
3.0 m 10.0 ft	kg lb			*6450 *13,700	6300 13,600	*4250 *9,200	3300 7,050	3000 6,400	2050 4,350	*1650 *3,550	1400 3,050	7.32 23.97
1.5 m 5.0 ft	kg lb					4500 9,700	3000 6,450	2850 6,100	1900 4,100	*1700 *3,700	1300 2,800	7.51 24.63
Ground Line	kg lb					4300 9,250	2800 6,050	2750 5,900	1800 3,900	*1900 *4,100	1300 2,850	7.35 24.12
-1.5 m -5.0 ft	kg lb	*3800 *8,600	*3800 *8,600	*5500 *12,300	5350 11,450	4250 9,150	2750 5,950	2700 5,800	1800 3,800	2250 4,900	1450 3,200	6.84 22.39
-3.0 m -10.0 ft	kg lb			*4650 *10,000	*4650 *10,000	*3600 *7,650	2800 6,050			*2300 *5,000	1900 4,200	5.85 19.06













\*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.

\*\*Machine equipped with standard counterweight.

**R2.5 (MEDIUM) STICK** – 2.5 m (8'2")  
**BUCKET** – 0.52 m<sup>3</sup> (0.68 yd<sup>3</sup>)

**UNDERCARRIAGE** – Standard  
**SHOES** – 600 mm (24") triple grouser

**BOOM** – Reach 4.65 m (15'3")  
**BLADE** – Hold

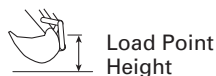
	1.5 m (5.0 ft)		3.0 m (10.0 ft)		4.5 m (15.0 ft)		6.0 m (20.0 ft)				m ft	
												
7.5 m 25.0 ft	kg lb									*1200 *2,550	*1200 *2,550	4.53 14.32
6.0 m 20.0 ft	kg lb					*2400 *5,050	*2400 *5,050			*1700 *3,700	*1700 *3,700	5.97 19.38
4.5 m 15.0 ft	kg lb					*3500 *7,600	*3500 7,600	*3150 *6,500	2500 5,350	*1600 *3,550	*1600 *3,550	6.82 22.29
3.0 m 10.0 ft	kg lb			*6450 *13,700	*6450 *13,700	*4250 *9,200	3900 8,350	*3400 *7,350	2450 5,200	*1650 *3,550	*1650 *3,550	7.32 23.97
1.5 m 5.0 ft	kg lb					*5050 *10,900	3600 7,700	*3700 *8,000	2300 4,950	*1700 *3,700	1600 3,450	7.51 24.63
Ground Line	kg lb					*5300 *11,450	3400 7,350	*3800 *8,200	2200 4,700	*1900 *4,100	1600 3,500	7.35 24.12
-1.5 m -5.0 ft	kg lb	*3800 *8,600	*3800 *8,600	*5500 *12,300	*5500 12,150	*4850 *10,450	3350 7,200	*3450 *7,400	2150 4,650	*2250 *4,900	1800 3,950	6.84 22.39
-3.0 m -10.0 ft	kg lb			*4650 *10,000	*4650 *10,000	*3600 *7,650	3400 7,300			*2300 *5,000	*2300 *5,000	5.85 19.06

\*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.

\*\*Machine equipped with standard counterweight.

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

## 314D CR Reach Boom Lift Capacities\*\*



Load Point Height



Load at Maximum Reach



Load Radius Over Front















Load Radius Over Side

**R2.5 (MEDIUM) STICK** – 2.5 m (8'2")  
**BUCKET** – 0.52 m<sup>3</sup> (0.68 yd<sup>3</sup>)

**UNDERCARRIAGE** – Standard  
**SHOES** – 700 mm (28") triple grouser

**BOOM** – Reach 4.65 m (15'3")  
**BLADE** – Without Blade

	1.5 m (5.0 ft)		3.0 m (10.0 ft)		4.5 m (15.0 ft)		6.0 m (20.0 ft)				m ft	
												
7.5 m 25.0 ft	kg lb									*1200 *2,550	*1200 *2,550	4.53 14.32
6.0 m 20.0 ft	kg lb					*2400 *5,050	*2400 *5,050			*1700 *3,700	*1700 *3,700	5.97 19.38
4.5 m 15.0 ft	kg lb					*3500 *7,600	*3500 *7,600	3150 4,600	2150 4,600	*1600 *3,550	*1600 *3,550	6.82 22.29
3.0 m 10.0 ft	kg lb			*6450 *13,700	6400 13,700	*4250 *9,200	3350 7,150	3050 6,500	2050 4,400	*1650 *3,550	1450 3,150	7.32 23.97
1.5 m 5.0 ft	kg lb					4600 9,850	3050 6,550	2900 6,250	1950 4,150	*1700 *3,700	1300 2,900	7.51 24.63
Ground Line	kg lb					4400 9,450	2900 6,150	2800 6,000	1850 3,950	*1900 *4,100	1350 2,900	7.35 24.12
-1.5 m -5.0 ft	kg lb	*3800 *8,600	*3800 *8,600	*5500 *12,300	5450 11,650	4350 9,300	2850 6,050	2750 5,950	1800 3,900	*2250 *4,900	1500 3,300	6.84 22.39
-3.0 m -10.0 ft	kg lb			*4650 *10,000	*4650 *10,000	*3600 *7,650	2850 6,150			*2300 *5,000	1950 4,300	5.85 19.06













\*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.

\*\*Machine equipped with standard counterweight.

**R2.5 (MEDIUM) STICK** – 2.5 m (8'2")  
**BUCKET** – 0.52 m<sup>3</sup> (0.68 yd<sup>3</sup>)

**UNDERCARRIAGE** – Standard  
**SHOES** – 700 mm (28") triple grouser

**BOOM** – Reach 4.65 m (15'3")  
**BLADE** – Hold

	1.5 m (5.0 ft)		3.0 m (10.0 ft)		4.5 m (15.0 ft)		6.0 m (20.0 ft)				m ft	
												
7.5 m 25.0 ft	kg lb									*1200 *2,550	*1200 *2,550	4.53 14.32
6.0 m 20.0 ft	kg lb					*2400 *5,050	*2400 *5,050			*1700 *3,700	*1700 *3,700	5.97 19.38
4.5 m 15.0 ft	kg lb					*3500 *7,600	*3500 *7,600	*3150 *6,500	2600 5,600	*1600 *3,550	*1600 *3,550	6.82 22.29
3.0 m 10.0 ft	kg lb			*6450 *13,700	*6450 *13,700	*4250 *9,200	4050 8,650	*3400 *7,350	2550 5,400	*1650 *3,550	*1650 *3,550	7.32 23.97
1.5 m 5.0 ft	kg lb					*5050 *10,900	3750 8,050	*3700 *8,000	2400 5,150	*1700 *3,700	1650 3,650	7.51 24.63
Ground Line	kg lb					*5300 *11,450	3550 7,650	*3800 *8,200	2300 4,950	*1900 *4,100	1700 3,700	7.35 24.12
-1.5 m -5.0 ft	kg lb	*3800 *8,600	*3800 *8,600	*5500 *12,300	*5500 *12,300	*4850 *10,450	3500 7,550	*3450 *7,400	2250 4,850	*2250 *4,900	1900 4,100	6.84 22.39
-3.0 m -10.0 ft	kg lb			*4650 *10,000	*4650 *10,000	*3600 *7,650	3550 7,650			*2300 *5,000	*2300 *5,000	5.85 19.06

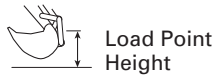
\*Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories must be deducted from the above lifting capacities. Lifting capacities are based on the machine standing on a firm, uniform supporting surface.

\*\*Machine equipped with standard counterweight.

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

# 314D CR/314D LCR Hydraulic Excavator Specifications

## 314D LCR Reach Boom Lift Capacities\*\*



Load Point Height



Load at Maximum Reach



Load Radius Over Front

















Load Radius Over Side

**R3.0 (LONG) STICK** – 3.0 m (9'10")  
**BUCKET** – 0.40 m<sup>3</sup> (0.53 yd<sup>3</sup>)

**UNDERCARRIAGE** – Long  
**SHOES** – 600 mm (24") triple grouser

**BOOM** – Reach 4.65 m (15'3")  
**BLADE** – Without Blade

	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				*1500 *3,050	*1500 *3,050					*1300 *2,750	*1300 *2,750	5.24 16.73	
6.0 m 20.0 ft	kg lb				*2400 *5,150	*2400 *5,150	*2050 *4,350	*2050 *4,350			*1500 *3,350	*1500 *3,350	6.51 21.15	
4.5 m 15.0 ft	kg lb				*3100 *6,750	*3100 *6,750	*2900 *6,350	2200 4,700			*1450 *3,200	*1450 *3,200	7.30 23.87	
3.0 m 10.0 ft	kg lb			*4700 *9,700	*4700 *9,700	*3900 *8,400	3400 7,300	*3200 *6,950	2100 4,500	*2300 *4,350	1400 2,900	*1450 *3,200	1300 2,800	7.77 25.46
1.5 m 5.0 ft	kg lb					*4800 *10,400	3100 6,650	3300 7,100	1950 4,200	2300 4,900	1350 2,800	*1550 *3,350	1200 2,600	7.95 26.08
Ground Line	kg lb			*5300 *12,350	*5300 11,450	5050 10,800	2850 6,150	3200 6,800	1850 3,950	2250 4,800	1300 2,700	*1700 *3,700	1200 2,600	7.80 25.60
-1.5 m -5.0 ft	kg lb	*3850 *8,600	*3850 *8,600	*7150 *15,750	5300 11,400	4950 10,550	2800 5,950	3100 6,700	1800 3,800			*2000 *4,400	1300 2,850	7.32 23.99
-3.0 m -10.0 ft	kg lb	*5850 *12,800	*5850 *12,800	*5600 *12,000	5400 11,550	*4100 *8,750	2800 6,000	*2800 *5,850	1800 3,850			*2350 *5,150	1650 3,600	6.42 20.95
-4.5 m -15.0 ft	kg lb					*1950 *3,750	*1950 *3,750					*1600 *3,450	*1600 *3,450	4.86 15.38















\*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.

\*\*Machine equipped with standard counterweight.

**R3.0 (LONG) STICK** – 3.0 m (9'10")  
**BUCKET** – 0.40 m<sup>3</sup> (0.53 yd<sup>3</sup>)

**UNDERCARRIAGE** – Long  
**SHOES** – 600 mm (24") triple grouser

**BOOM** – Reach 4.65 m (15'3")  
**BLADE** – Hold

	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				*1500 *3,050	*1500 *3,050					*1300 *2,750	*1300 *2,750	5.24 16.73	
6.0 m 20.0 ft	kg lb				*2400 *5,150	*2400 *5,150	*2050 *4,350	*2050 *4,350			*1500 *3,350	*1500 *3,350	6.51 21.15	
4.5 m 15.0 ft	kg lb				*3100 *6,750	*3100 *6,750	*2900 *6,350	2600 5,550			*1450 *3,200	*1450 *3,200	7.30 23.87	
3.0 m 10.0 ft	kg lb			*4700 *9,700	*4700 *9,700	*3900 *8,400	*3900 *8,400	*3200 *6,950	2500 5,350	*2300 *4,350	1700 3,550	*1450 *3,200	*1450 *3,200	7.77 25.46
1.5 m 5.0 ft	kg lb					*4800 *10,400	3700 8,000	*3550 *7,700	2350 5,050	*2900 *5,850	1650 3,450	*1550 *3,350	1450 3,200	7.95 26.08
Ground Line	kg lb			*5300 *12,350	*5300 12,200	*5250 *11,400	3500 7,450	*3800 *8,150	2250 4,800	*2850 *5,550	1600 3,350	*1700 *3,700	1500 3,250	7.80 25.60
-1.5 m -5.0 ft	kg lb	*3850 *8,600	*3850 *8,600	*7150 *15,750	6550 14,000	*5050 *10,900	3400 7,250	*3600 *7,750	2200 4,700			*2000 *4,400	1600 3,550	7.32 23.99
-3.0 m -10.0 ft	kg lb	*5850 *12,800	*5850 *12,800	*5600 *12,000	*5600 *12,000	*4100 *8,750	3400 7,300	*2800 *5,850	2200 4,750			*2350 *5,150	2000 4,450	6.42 20.95
-4.5 m -15.0 ft	kg lb					*1950 *3,750	*1950 *3,750					*1600 *3,450	*1600 *3,450	4.86 15.38

\*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.

\*\*Machine equipped with standard counterweight.

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

## 314D LCR Reach Boom Lift Capacities\*\*



Load Point Height



Load at Maximum Reach



Load Radius Over Front














Load Radius Over Side

**R3.0 (LONG) STICK** – 3.0 m (9'10")  
**BUCKET** – 0.40 m<sup>3</sup> (0.53 yd<sup>3</sup>)

**UNDERCARRIAGE** – Long  
**SHOES** – 700 mm (28") triple grouser

**BOOM** – Reach 4.65 m (15'3")  
**BLADE** – Without Blade

		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					*1500 *3,050	*1500 *3,050					*1300 *2,750	*1300 *2,750	5.24 16.73
6.0 m 20.0 ft	kg lb					*2400 *5,150	*2400 *5,150	*2050 *4,350	*2050 *4,350			*1500 *3,350	*1500 *3,350	6.51 21.15
4.5 m 15.0 ft	kg lb					*3100 *6,750	*3100 *6,750	*2900 *6,350	2250 4,800			*1450 *3,200	*1450 *3,200	7.30 23.87
3.0 m 10.0 ft	kg lb			*4700 *9,700	*4700 *9,700	*3900 *8,400	3450 7,450	*3200 *6,950	2150 4,550	*2300 *4,350	1400 3,000	*1450 *3,200	1300 2,850	7.77 25.46
1.5 m 5.0 ft	kg lb					*4800 *10,400	3150 6,750	3400 7,250	2000 4,300	2350 5,000	1350 2,900	*1550 *3,350	1200 2,650	7.95 26.08
Ground Line	kg lb			*5300 *12,350	*5300 11,700	5150 11,000	2950 6,300	3250 6,950	1900 4,050	2300 4,900	1300 2,800	*1700 *3,700	1200 2,650	7.80 25.60
-1.5 m -5.0 ft	kg lb	*3850 *8,600	*3850 *8,600	*7150 *15,750	5400 11,600	5050 10,800	2850 6,100	3200 6,850	1850 3,900			*2000 *4,400	1350 2,950	7.32 23.99
-3.0 m -10.0 ft	kg lb	*5850 *12,800	*5850 *12,800	*5600 *12,000	5500 11,800	*4100 *8,750	2850 6,100	*2800 *5,850	1850 3,950			*2350 *5,150	1700 3,700	6.42 20.95
-4.5 m -15.0 ft	kg lb					*1950 *3,750	*1950 *3,750					*1600 *3,450	*1600 *3,450	4.86 15.38












\*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.

\*\*Machine equipped with standard counterweight.

**R3.0 (LONG) STICK** – 3.0 m (9'10")  
**BUCKET** – 0.40 m<sup>3</sup> (0.53 yd<sup>3</sup>)

**UNDERCARRIAGE** – Long  
**SHOES** – 700 mm (28") triple grouser

**BOOM** – Reach 4.65 m (15'3")  
**BLADE** – Hold

		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					*1500 *3,050	*1500 *3,050					*1300 *2,750	*1300 *2,750	5.24 16.73
6.0 m 20.0 ft	kg lb					*2400 *5,150	*2400 *5,150	*2050 *4,350	*2050 *4,350			*1500 *3,350	*1500 *3,350	6.51 21.15
4.5 m 15.0 ft	kg lb					*3100 *6,750	*3100 *6,750	*2900 *6,350	2700 5,800			*1450 *3,200	*1450 *3,200	7.30 23.87
3.0 m 10.0 ft	kg lb			*4700 *9,700	*4700 *9,700	*3900 *8,400	*3900 *8,400	*3200 *6,950	2600 5,600	*2300 *4,350	1750 3,750	*1450 *3,200	*1450 *3,200	7.77 25.46
1.5 m 5.0 ft	kg lb					*4800 *10,400	3900 8,350	*3550 *7,700	2500 5,300	*2900 *5,850	1700 3,650	*1550 *3,350	*1550 *3,350	7.95 26.08
Ground Line	kg lb			*5300 *12,350	*5300 *12,350	*5250 *11,400	3650 7,800	*3800 *8,150	2350 5,050	*2850 *5,550	1650 3,550	*1700 *3,700	1550 3,400	7.80 25.60
-1.5 m -5.0 ft	kg lb	*3850 *8,600	*3850 *8,600	*7150 *15,750	6900 14,700	5050 10,800	3550 7,600	*3600 *7,750	2300 4,900			*2000 *4,400	1700 3,750	7.32 23.99
-3.0 m -10.0 ft	kg lb	*5850 *12,800	*5850 *12,800	*5600 *12,000	*5600 *12,000	*4100 *8,750	3550 7,650	*2800 *5,850	2300 4,950			*2350 *5,150	2100 4,650	6.42 20.95
-4.5 m -15.0 ft	kg lb					*1950 *3,750	*1950 *3,750					*1600 *3,450	*1600 *3,450	4.86 15.38

\*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.

\*\*Machine equipped with standard counterweight.

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

# 314D CR/314D LCR Hydraulic Excavator Specifications

## 314D LCR Reach Boom Lift Capacities\*\*



Load Point Height



Load at Maximum Reach



Load Radius Over Front

















Load Radius Over Side

**R2.8 (SEMI-LONG) STICK** – 2.8 m (9'2")  
**BUCKET** – 0.40 m<sup>3</sup> (0.53 yd<sup>3</sup>)

**UNDERCARRIAGE** – Long  
**SHOES** – 600 mm (24") triple grouser

**BOOM** – Reach 4.65 m (15'3")  
**BLADE** – Without Blade

	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				*1450 *1450	*1450 *1450					*1300 *2,750	*1300 *2,750	4.94 15.72
6.0 m 20.0 ft	kg lb				*2450 *5,150	*2450 *5,150	*2050 *2050				*1650 *3,650	*1650 *3,650	6.28 20.38
4.5 m 15.0 ft	kg lb				*3300 *7,150	*3300 *7,150	*3000 *6,600	2200 4,650			*1600 *3,500	1550 3,450	7.10 23.19
3.0 m 10.0 ft	kg lb			*5850 *12,450	*5850 *12,450	*4050 *8,750	3250 7,250	*3300 *7,150	2100 4,450		*1600 *3,500	1350 2,950	7.58 24.83
1.5 m 5.0 ft	kg lb				*4950 *10,650	3100 6,600	3300 7,100	1950 4,200	2300 1350		*1700 *3,650	1250 2,700	7.76 25.46
Ground Line	kg lb			*5000 *11,650	*5000 11,450	5050 10,800	2850 6,150	3200 6,850	1850 3,950		*1850 *4,100	1250 2,750	7.61 24.97
-1.5 m -5.0 ft	kg lb	*3900 *8,850	*3900 *8,850	*6350 *14,600	5350 11,450	4950 10,600	2800 6,000	3150 6,700	1800 3,850		*2200 *4,850	1400 3,050	7.12 23.31
-3.0 m -10.0 ft	kg lb			*5250 *11,250	*5250 *11,250	*3950 *8,400	2800 6,050	*2600 *2600	1850		*2400 *5,150	1750 3,900	6.18 20.15















\*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.

\*\*Machine equipped with standard counterweight.

**R2.8 (SEMI-LONG) STICK** – 2.8 m (9'2")  
**BUCKET** – 0.40 m<sup>3</sup> (0.53 yd<sup>3</sup>)

**UNDERCARRIAGE** – Long  
**SHOES** – 600 mm (24") triple grouser

**BOOM** – Reach 4.65 m (15'3")  
**BLADE** – Hold

	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				*1450 *1450	*1450 *1450					*1300 *2,750	*1300 *2,750	4.94 15.72
6.0 m 20.0 ft	kg lb				*2450 *5,150	*2450 *5,150	*2050 *2050				*1650 *3,650	*1650 *3,650	6.28 20.38
4.5 m 15.0 ft	kg lb				*3300 *7,150	*3300 *7,150	*3000 *6,600	2600 5,550			*1600 *3,500	*1600 *3,500	7.10 23.19
3.0 m 10.0 ft	kg lb			*5850 *12,450	*5850 *12,450	*4050 *8,750	4000 8,600	*3300 *7,150	2500 5,350		*1600 *3,500	*1600 *3,500	7.58 24.83
1.5 m 5.0 ft	kg lb				*4950 *10,650	3700 7,950	*3650 *7,850	2350 5,050	*2750 1650		*1700 *3,650	1550 3,350	7.76 25.46
Ground Line	kg lb			*5000 *11,650	*5000 11,650	*5300 *11,450	3500 7,450	*3800 *8,200	2250 4,800		*1850 *4,100	1550 3,400	7.61 24.97
-1.5 m -5.0 ft	kg lb	*3900 *8,850	*3900 *8,850	*6350 *14,600	*6350 14,100	*4950 *10,750	3400 7,300	*3550 *7,650	2200 4,700		*2200 *4,850	1700 3,750	7.12 23.31
-3.0 m -10.0 ft	kg lb			*5250 *11,250	*5250 *11,250	*3950 *8,400	3450 7,350	*2600 *2600	2250		*2400 *5,150	2150 4,750	6.18 20.15

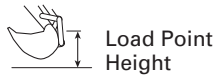
\*Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories must be deducted from the above lifting capacities. Lifting capacities are based on the machine standing on a firm, uniform supporting surface.

\*\*Machine equipped with standard counterweight.

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



## 314D LCR Reach Boom Lift Capacities\*\*



Load Point  
Height



Load at  
Maximum Reach



Load Radius  
Over Front

















Load Radius  
Over Side

**R2.8 (SEMI-LONG) STICK** – 2.8 m (9'2")  
**BUCKET** – 0.40 m<sup>3</sup> (0.53 yd<sup>3</sup>)

**UNDERCARRIAGE** – Long  
**SHOES** – 700 mm (28") triple grouser

**BOOM** – Reach 4.65 m (15'3")  
**BLADE** – Without Blade

	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				*1450 *1450	*1450 *1450					*1300 *2,750	*1300 *2,750	4.94 15.72
6.0 m 20.0 ft	kg lb				*2450 *5,150	*2450 *5,150	*2050 *2050				*1650 *3,650	*1650 *3,650	6.28 20.38
4.5 m 15.0 ft	kg lb				*3300 *7,150	*3300 *7,150	*3000 *6,600	2250 4,750			*1600 *3,500	*1600 *3,500	7.10 23.19
3.0 m 10.0 ft	kg lb			*5850 *12,450	*5850 *12,450	*4050 *8,750	3450 7,350	*3300 *7,150	2150 4,550		*1600 *3,500	1400 3,000	7.58 24.83
1.5 m 5.0 ft	kg lb				*4950 *10,650	3150 6,750	3350 7,200	2000 4,250	2350 1350		*1700 *3,650	1300 2,800	7.76 25.46
Ground Line	kg lb			*5000 *11,650	*5000 *11,650	5150 11,000	2950 6,300	3250 6,950	1900 4,050		*1850 *4,100	1300 2,800	7.61 24.97
-1.5 m -5.0 ft	kg lb	*3900 *8,850	*3900 *8,850	*6350 *14,600	5450 11,700	*4950 *10,750	2850 6,100	3200 6,850	1850 3,950		*2200 *4,850	1400 3,100	7.12 23.31
-3.0 m -10.0 ft	kg lb			*5250 *11,250	*5250 *11,250	*3950 *8,400	2900 6,200	*2600 *2600	1850 1850		*2400 *5,150	1800 4,000	6.18 20.15















\*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.

\*\*Machine equipped with standard counterweight.

**R2.8 (SEMI-LONG) STICK** – 2.8 m (9'2")  
**BUCKET** – 0.40 m<sup>3</sup> (0.53 yd<sup>3</sup>)

**UNDERCARRIAGE** – Long  
**SHOES** – 700 mm (28") triple grouser

**BOOM** – Reach 4.65 m (15'3")  
**BLADE** – Hold

	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				*1450 *1450	*1450 *1450					*1300 *2,750	*1300 *2,750	4.94 15.72
6.0 m 20.0 ft	kg lb				*2450 *5,150	*2450 *5,150	*2050 *2050				*1650 *3,650	*1650 *3,650	6.28 20.38
4.5 m 15.0 ft	kg lb				*3300 *7,150	*3300 *7,150	*3000 *6,600	2700 5,750			*1600 *3,500	*1600 *3,500	7.10 23.19
3.0 m 10.0 ft	kg lb			*5850 *12,450	*5850 *12,450	*4050 *8,750	*4050 *8,750	*3300 *7,150	2600 5,550		*1600 *3,500	*1600 *3,500	7.58 24.83
1.5 m 5.0 ft	kg lb				*4950 *10,650	3850 8,300	*3650 *7,850	2450 5,300	*2750 1700		*1700 *3,650	1600 3,600	7.76 25.46
Ground Line	kg lb			*5000 *11,650	*5000 *11,650	*5300 *11,450	3650 7,800	*3800 *8,200	2350 5,050		*1850 *4,100	1650 3,550	7.61 24.97
-1.5 m -5.0 ft	kg lb	*3900 *8,850	*3900 *8,850	*6350 *14,600	*6350 *14,600	*4950 *10,750	3550 7,650	*3550 *7,650	2300 4,950		*2200 *4,850	1800 3,950	7.12 23.31
-3.0 m -10.0 ft	kg lb			*5250 *11,250	*5250 *11,250	*3950 *8,400	3600 7,700	*2600 *2600	2350 2350		*2400 *5,150	2250 5,000	6.18 20.15

\*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.

\*\*Machine equipped with standard counterweight.

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

# 314D CR/314D LCR Hydraulic Excavator Specifications

## 314D LCR Reach Boom Lift Capacities\*\*



Load Point Height



Load at Maximum Reach



Load Radius Over Front















Load Radius Over Side

**R2.5 (MEDIUM) STICK** – 2.5 m (8'2")  
**BUCKET** – 0.52 m<sup>3</sup> (0.68 yd<sup>3</sup>)

**UNDERCARRIAGE** – Long  
**SHOES** – 600 mm (24") triple grouser

**BOOM** – Reach 4.65 m (15'3")  
**BLADE** – Without Blade

	1.5 m (5.0 ft)		3.0 m (10.0 ft)		4.5 m (15.0 ft)		6.0 m (20.0 ft)				m ft	
												
7.5 m 25.0 ft	kg lb									*1200 *2,550	*1200 *2,550	4.53 14.32
6.0 m 20.0 ft	kg lb					*2400 *5,050	*2400 *5,050			*1700 *3,700	*1700 *3,700	5.97 19.38
4.5 m 15.0 ft	kg lb					*3500 *7,600	*3500 7,600	*3150 *6,500	2150 4,550	*1600 *3,550	*1600 *3,550	6.82 22.29
3.0 m 10.0 ft	kg lb			*6450 *13,700	6350 *13,700	*4250 *9,200	3300 7,100	*3400 7,300	2050 4,400	*1650 *3,550	1400 3,100	7.32 23.97
1.5 m 5.0 ft	kg lb					*5050 *10,900	3050 6,500	3300 7,000	1950 4,150	*1700 *3,700	1300 2,850	7.51 24.63
Ground Line	kg lb					5000 10,750	2850 6,100	3200 6,800	1850 3,950	*1900 *4,100	1300 2,900	7.35 24.12
-1.5 m -5.0 ft	kg lb	*3800 *8,600	*3800 *8,600	*5500 *12,300	5400 11,550	*4850 *10,450	2800 6,000	3150 6,700	1800 3,850	*2250 *4,900	1500 3,250	6.84 22.39
-3.0 m -10.0 ft	kg lb			*4650 *10,000	*4650 *10,000	*3600 *7,650	2850 6,100			*2300 *5,000	1950 4,250	5.85 19.06













\*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.

\*\*Machine equipped with standard counterweight.

**R2.5 (MEDIUM) STICK** – 2.5 m (8'2")  
**BUCKET** – 0.52 m<sup>3</sup> (0.68 yd<sup>3</sup>)

**UNDERCARRIAGE** – Long  
**SHOES** – 600 mm (24") triple grouser

**BOOM** – Reach 4.65 m (15'3")  
**BLADE** – Hold

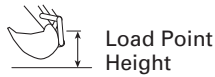
	1.5 m (5.0 ft)		3.0 m (10.0 ft)		4.5 m (15.0 ft)		6.0 m (20.0 ft)				m ft	
												
7.5 m 25.0 ft	kg lb									*1200 *2,550	*1200 *2,550	4.53 14.32
6.0 m 20.0 ft	kg lb					*2400 *5,050	*2400 *5,050			*1700 *3,700	*1700 *3,700	5.97 19.38
4.5 m 15.0 ft	kg lb					*3500 *7,600	*3500 7,600	*3150 *6,500	2550 5,450	*1600 *3,550	*1600 *3,550	6.82 22.29
3.0 m 10.0 ft	kg lb			*6450 *13,700	*6450 *13,700	*4250 *9,200	3950 8,450	*3400 *7,350	2450 5,250	*1650 *3,550	*1650 *3,550	7.32 23.97
1.5 m 5.0 ft	kg lb					*5050 *10,900	3650 7,850	*3700 *8,000	2350 5,000	*1700 *3,700	1600 3,500	7.51 24.63
Ground Line	kg lb					*5300 *11,450	3450 7,450	*3800 *8,200	2250 4,800	*1900 *4,100	1650 3,550	7.35 24.12
-1.5 m -5.0 ft	kg lb	*3800 *8,600	*3800 *8,600	*5500 *12,300	*5500 *12,300	*4850 *10,450	3400 7,300	*3450 *7,400	2200 4,700	*2250 *4,900	1800 4,000	6.84 22.39
-3.0 m -10.0 ft	kg lb			*4650 *10,000	*4650 *10,000	*3600 *7,650	3450 7,400			*2300 *5,000	*2300 *5,000	5.85 19.06

\*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.

\*\*Machine equipped with standard counterweight.

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

## 314D LCR Reach Boom Lift Capacities\*\*



Load Point  
Height



Load at  
Maximum Reach



Load Radius  
Over Front















Load Radius  
Over Side

**R2.5 (MEDIUM) STICK** – 2.5 m (8'2")  
**BUCKET** – 0.52 m<sup>3</sup> (0.68 yd<sup>3</sup>)

**UNDERCARRIAGE** – Long  
**SHOES** – 700 mm (28") triple grouser

**BOOM** – Reach 4.65 m (15'3")  
**BLADE** – Without Blade

	1.5 m (5.0 ft)		3.0 m (10.0 ft)		4.5 m (15.0 ft)		6.0 m (20.0 ft)				m ft	
												
7.5 m 25.0 ft	kg lb									*1200 *2,550	*1200 *2,550	4.53 14.32
6.0 m 20.0 ft	kg lb					*2400 *5,050	*2400 *5,050			*1700 *3,700	*1700 *3,700	5.97 19.38
4.5 m 15.0 ft	kg lb					*3500 *7,600	*3500 *7,600	*3150 *6,500	2200 4,650	*1600 *3,550	*1600 *3,550	6.82 22.29
3.0 m 10.0 ft	kg lb			*6450 *13,700	*6450 *13,700	*4250 *9,200	3350 7,250	*3400 *7,350	2100 4,450	*1650 *3,550	1450 3,150	7.32 23.97
1.5 m 5.0 ft	kg lb					*5050 *10,900	3100 6,650	3350 7,150	1950 4,200	*1700 *3,700	1350 2,950	7.51 24.63
Ground Line	kg lb					5100 10,950	2900 6,250	3250 6,950	1900 4,000	*1900 *4,100	1350 2,950	7.35 24.12
-1.5 m -5.0 ft	kg lb	*3800 *8,600	*3800 *8,600	*5500 *12,300	5500 11,800	*4850 *10,450	2850 6,150	3200 6,850	1850 3,950	*2250 *4,900	1500 3,350	6.84 22.39
-3.0 m -10.0 ft	kg lb			*4650 *10,000	*4650 *10,000	*3600 *7,650	2900 6,250			*2300 *5,000	1950 4,350	5.85 19.06













\*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.

\*\*Machine equipped with standard counterweight.

**R2.5 (MEDIUM) STICK** – 2.5 m (8'2")  
**BUCKET** – 0.52 m<sup>3</sup> (0.68 yd<sup>3</sup>)

**UNDERCARRIAGE** – Long  
**SHOES** – 700 mm (28") triple grouser

**BOOM** – Reach 4.65 m (15'3")  
**BLADE** – Hold

	1.5 m (5.0 ft)		3.0 m (10.0 ft)		4.5 m (15.0 ft)		6.0 m (20.0 ft)				m ft	
												
7.5 m 25.0 ft	kg lb									*1200 *2,550	*1200 *2,550	4.53 14.32
6.0 m 20.0 ft	kg lb					*2400 *5,050	*2400 *5,050			*1700 *3,700	*1700 *3,700	5.97 19.38
4.5 m 15.0 ft	kg lb					*3500 *7,600	*3500 *7,600	*3150 *6,500	2650 5,650	*1600 *3,550	*1600 *3,550	6.82 22.29
3.0 m 10.0 ft	kg lb			*6450 *13,700	*6450 *13,700	*4250 *9,200	4100 8,800	*3400 *7,350	2550 5,500	*1650 *3,550	1550 3,400	7.32 23.97
1.5 m 5.0 ft	kg lb					*5050 *10,900	3800 8,200	*3700 *8,000	2450 5,250	*1700 *3,700	1450 3,150	7.51 24.63
Ground Line	kg lb					*5300 *11,450	3650 7,800	*3800 *8,200	2350 5,050	*1900 *4,100	1450 3,200	7.35 24.12
-1.5 m -5.0 ft	kg lb	*3800 *8,600	*3800 *8,600	*5500 *12,300	*5500 *12,300	*4850 *10,450	3600 7,650	*3450 *7,400	2300 4,950	*2250 *4,900	1650 3,600	6.84 22.39
-3.0 m -10.0 ft	kg lb			*4650 *10,000	*4650 *10,000	*3600 *7,650	*3600 *7,650			*2300 *5,000	2100 4,700	5.85 19.06

\*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.

\*\*Machine equipped with standard counterweight.

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

# 314D CR/314D LCR Standard Equipment

Standard equipment may vary. Consult your Caterpillar dealer for details

Alternator, 50 amp	• Filter/fluid change information	Mirrors (frame and cab)
Automatic engine speed control	• Level check for hydraulic oil, engine oil and coolant	Power train
Bolt-on Falling Object Guard System (FOGS) capability	• Warning messages	• Cat® C4.2 engine with ACERT® Technology
Cab	Light, interior	• 24-volt electric starter
• AM/FM radio, 24-volt	Literature holder	• Air intake heater
• Ashtray	Openable front windshield	• Water separator
• Coat hook	Openable skylight with sun shade	Radial seal air filter
• Beverage holder	Storage compartment	Undercarriage
• Economy mode	Travel control pedals with removable hand levers	• Idler section track guiding guards
• Horn	Door locks and cap locks with one-key security system	• Center section track guiding guards (for 314D LCR)
• Language display monitor (full graphic/full color display)	Light, storage box mounted (1)	• Track-type undercarriage with grease lubricated seals
• Clock		

# 314D CR/314D LCR Optional Equipment

Optional equipment may vary. Consult your Caterpillar dealer for details

Auxiliary hydraulics	Fine swing control	Secondary exit, rear window
Auxiliary hydraulic lines from boom and sticks	Front windshield guard	Stick and boom configurations
Bucket linkage	Hand control pattern changer	• 3.0 m (9'10") stick
Cab mounted working lights	Heavy-duty bottom guard	• 2.8 m (9'2") stick
Cab mounted working lights with time delay function	High ambient cooling system	• 2.5 m (8'2") stick
Cold weather start	Power supply 5A-12V	Swivel guard
Counterweight	Rain protector	Vandalism protection
	Right side boom lights	Water level indicator for water separator







# 314D CR/314D LCR Hydraulic Excavator

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

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

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