319D L/ 319D LN

Hydraulic Excavators

CATERPILLAR®

Engine		
Engine Model	Cat® C4.2 engine ACERT™	
Gross Power	98 kW	131 hp
Net Power (SAE J1349)	93 kW	125 hp

Weights		
Operating Weight – Long Narrow Undercarriage	19 480 kg	42,946 lb
Operating Weight – Long Undercarriage	19 900 kg	43,872 lb

319D L/319D LN Features

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

Industry Leading Performance
The 319D L/319D LN 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 emission standards while maintaining the power and performance expected from Caterpillar.

Long Narrow (LN) Undercarriage
The long narrow version of the undercarriage allows for permit-free transportability in most areas since it meets the 2590 mm (8 ft 6 in) transport width limit with 600 mm (24 in) track shoes.

Contents

Achieve high productivity and lower operating costs with the Cat® 319D L/319D LN Hydraulic Excavator. Unmatched versatility, improved controllability, easy operation and a comfortable, redesigned operator station help make the 319D an industry-leading performer.

Operator Station

New levels of comfort, visibility and operation

Cab

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 hours.

- 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 armrest. 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 Display (LCD) monitor. The LCD monitor displays vital operating and performance information in 27 different languages for operator convenience.

Cab Exterior

The 319D L/319D LN provide a new cab design that allows the Falling Object Guard System (FOGS) 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

Clean, quiet operation with reduced fuel consumption.

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 system. The Cat C4.2 engine delivers exceptional power, allowing more hydraulic pressure to drive productivity and reduce your cost per tone of material moved.

Automatic Engine Control and Fuel Delivery

A two-stage control and one-touch low idle button maximizes fuel efficiency and reduces 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. Electronic controls govern the fuel injection system. Multiple injection fuel delivery involves a high level of precision and by precisely shaping the combustion cycle, lowers combustion chamber temperatures, generates fewer emissions and optimizes fuel combustion. This means more work output for your fuel cost.

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

High efficiency and performance with low effort and precise control.

Outstanding Performance

With two percent more hydraulic pressure for additional lift and breakout forces, the 319D L/319D LN hydraulic system is designed for high efficiency and performance. Auxiliary hydraulic and electrical lines are routed to the boom foot as standard, making installation of hydraulic circuits much easier. This compact design utilizes shorter 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 cylinders 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 power under all operating conditions, improving productivity with faster implement speeds and quicker, stronger pivot turns.
- A longer undercarriage (versus 318C L/318C LN) and heavy counterweight option that provides additional 300 kg (600 lb) provide increased stability to better utilize breakout forces and hydraulic lifting capability.

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 and Structures

Excellent stability and maneuverability.

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. Integral to the track roller frame are the standard idler and center guards, which help maintain track alignment when traveling or working on slopes.

Grease Lubricated Track

Track links are assembled and sealed with grease to decrease 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 319D L/ 319D LN automatically change up and down from high and low speeds in a smooth, controlled manner.

Front Linkage

Performance, reliability and durability.

Built for performance and long service life, Cat booms and sticks are welded, box-section structures with thick multi-plate high strength steel fabrications. The 319D L/ 319D LN offers one boom with three different stick options.

Sticks

The three stick options provide flexibility to optimize and match reach, dig depth and lifting and digging forces to the application.

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.

Versatility

Do more with less.

Work Tools

Caterpillar offers a variety of work tools including Hammers, Thumbs, Grapples, Multi-Processors, Shears, Pulverizers, Vibratory Compactors and Rippers to fit your needs. A wide range of buckets are also available to optimize machine performance.

Auxiliary hydraulic and electrical lines are routed to the boom foot as standard for easier retrofit 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.

Cat K-Series™ Tooth System

The Cat K-Series Tooth System provides more wear material, a longer tip and adapter life, a one-piece vertical drive retainer, reliable tip retention and easy installation and removal, improving performance and penetration.

Enhanced Systems

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

- Optional Combined Function Circuit enables one or two pump flow in one or two directions. This single hydraulic circuit runs tools such as a hydraulic thumb, hammer, plate compactor, tilting bucket and auger.
- Tool Control System stores up to 10 different tool settings through the in-cab monitor. Cat Work Tools are selectable with preset flows and pressures.
- Optional Priority Flow System offers all the advantages of the Combined Function Circuit plus true priority flow for hydraulic work tools such as rotary mowers.

Transportability

The 319D L/319D LN (depending on overall machine configuration) can typically meet federal gross weight transport limits for truck, trailer and machine combined.

The Long Narrow (LN) undercarriage provides additional flexibility to meet the transport width limit of 2590 mm (8 ft 6 in) when equipped with 600 mm (24 in) track shoes, which is critical in some areas. This all adds up to more permit-free transportability, lowering operating costs and allowing frequent movement of the machine with less hassle.

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.
- Engine oil level check, fuel filters 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^{SM} 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.

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

Horizontal air conditioner condenser swings out for easy cleaning. 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 the Build and Quote application on your dealer's web site or 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 can make the right choice.

SAFETY.CAT.COM™

319D L/319D LN Hydraulic Excavator Specifications

Engine

Engine Model	Cat® C4.2 engine ACERT™	
Gross Power	98 kW	131 hp
Net Power (SAE J1349)	93 kW	125 hp
ISO 9249	93 kW	125 hp
Bore	102 mm	4 in
Stroke	130 mm	5.1 in
Displacement	4.2 L	259 in^3

- The 319D L/319D LN meets U.S. EPA Tier 3 and EU Stage IIIA Directive/97/68/EC emission requirements.
- 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) altitude.

Weights

Operating Weight – Long Undercarriage	19 900 kg	43,872 lb
Operating Weight – Long Narrow Undercarriage	19 480 kg	42,946 lb

- Long undercarriage: 700 mm (28 in) track shoes, 3.2 m (10 ft 6 in) stick, 0.77 m^3 (1.0 yd^3) bucket.
- Long Narrow undercarriage: 600 mm (24 in) track shoes, 3.2 m (6 ft 10 in) stick and 0.77 m^3 (1.0 yd^3) bucket.

Swing Mechanism

Swing Torque	50.7 kN·m	37,394 lb ft
Swing Speed	11.1 rpm	

Drive

Maximum Travel Speed	4.8 km/h	3 mph
Maximum Drawbar Pull	206.7 kN	46,466 lb

Hydraulic System

Main Implement System – Maximum Flow (2x)	176 L/min	46.5 gal/min
Maximum Pressure – Implements	35 000 kPa	5,076 psi
Maximum Pressure – Travel	35 000 kPa	5,076 psi
Maximum Pressure – Swing	23 000 kPa	3,336 psi
Pilot System – Maximum Flow	26.7 L/min	7.1 gal/min
Pilot System – Maximum Pressure	4120 kPa	598 psi
Boom Cylinder – Bore	120 mm	4.7 in
Boom Cylinder – Stroke	1193 mm	47 in
Stick Cylinder – Bore	130 mm	5.1 in
Stick Cylinder – Stroke	1364 mm	53.7 in
Bucket Cylinder – Bore	110 mm	4.3 in
Bucket Cylinder – Stroke	1048 mm	41.3 in

Service Refill Capacities

Fuel Tank	300 L	79.3 gal
Cooling System	22 L	5.8 gal
Engine Oil	19.5 L	5.2 gal
Swing Drive (each)	8 L	2.1 gal
Final Drive (Each)	10 L	2.6 gal
Hydraulic System (Including Tank)	190 L	50.2 gal
Hydraulic Tank	106 L	28 gal

Standards

Cab/FOGS	SAE J1356 FEB 88/ISO 10262

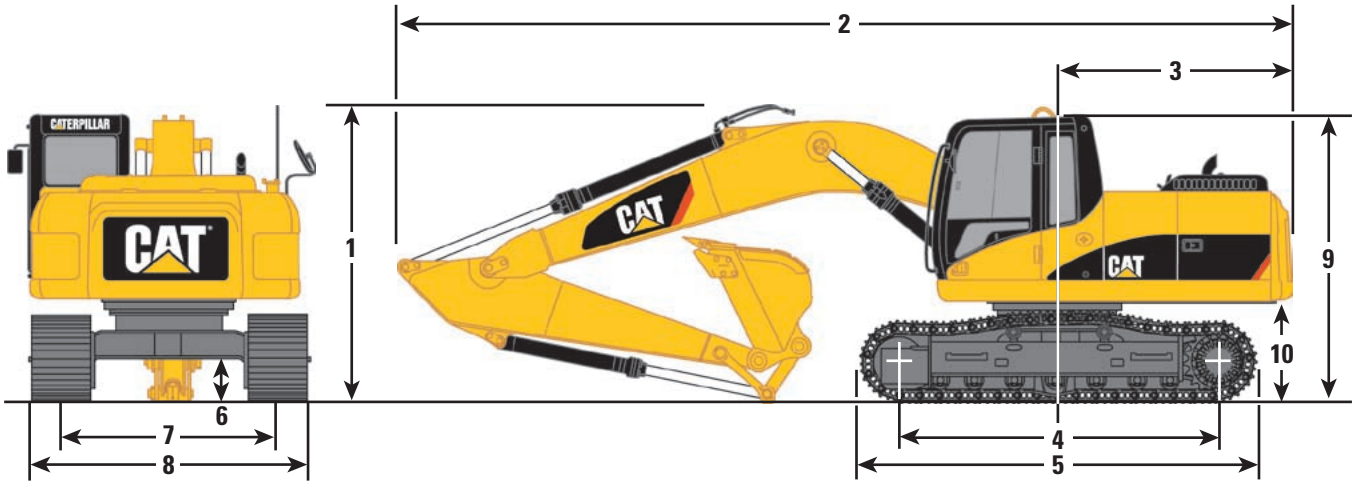
Sound Performance

Performance	ANSI/SAE J1166 OCT 98

- 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.

Dimensions

All dimensions are approximate.



	Boom Options	Reach	Reach	Reach
	Stick Options	**2.25 m (7'5")**	**2.7 m (8'10")**	**3.2 m (10'6")**
1	Shipping Height	3120 mm (10'2")	3080 mm (10'1")	3530 mm (11'7")
2	Shipping Length	8820 mm (28'11")	8780 mm (28'10")	8760 mm (28'9")
3	Tail Swing Radius	2500 mm (8'2")	2500 mm (8'2")	2500 mm (8'2")
4	Length to Center of Rollers			
	319D L	3650 mm (12'0")	3650 mm (12'0")	3650 mm (12'0")
	319D LN	3650 mm (12'0")	3650 mm (12'0")	3650 mm (12'0")
5	Track Length			
	319D L	4450 mm (14'7")	4450 mm (14'7")	4450 mm (14'7")
	319D LN	4450 mm (14'7")	4450 mm (14'7")	4450 mm (14'7")
6	Ground Clearance	440 mm (1'5")	440 mm (1'5")	440 mm (1'5")
7	Track Gauge			
	319D L	2200 mm (7'3")	2200 mm (7'3")	2200 mm (7'3")
	319D LN	1990 mm (6'6")	1990 mm (6'6")	1990 mm (6'6")
8	Transport Width	600 mm (24") Shoes	700 mm (28") Shoes	790 mm (31") Shoes
	319D L	2800 mm (9'2")	2900 mm (9'6")	2990 mm (9'10")
	319D LN	2595 mm (8'6")		
9	Cab Height	2870 mm (9'5")	2870 mm (9'5")	2870 mm (9'5")
10	Counterweight Clearance	1030 mm (3'5")*	1030 mm (3'5")*	1030 mm (3'5")*

* Includes lug height

Operating Weights

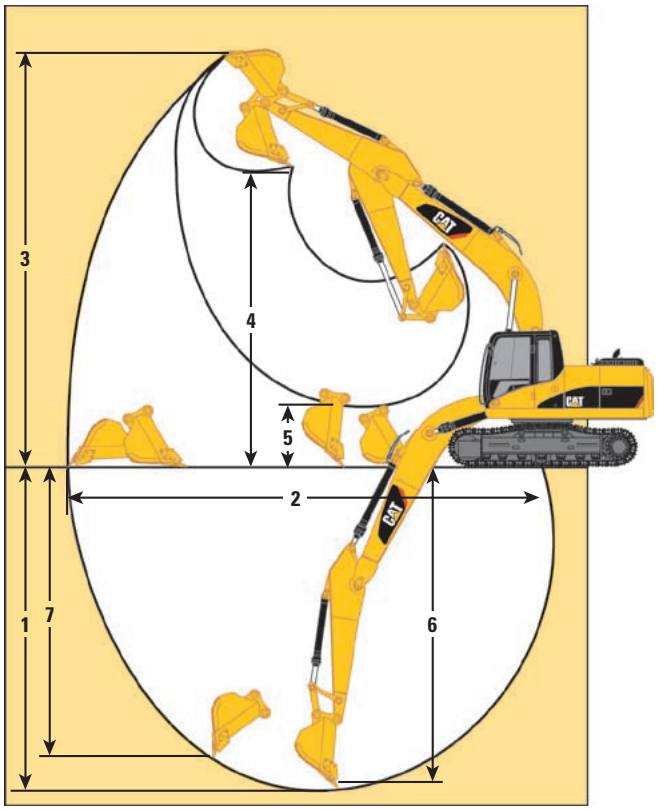
Caterpillar designed and built track-type undercarriage.

Track Width		Operating Weight 2.25 m (7'5")*		Operating Weight 2.7m (8'10")*		Operating Weight 3.2 m (10'6")*	
319D L	600 mm (24") triple grouser	19 450 kg	42,880 lb	19 460 kg	42,902 lb	19 520 kg	43,034 lb
	700 mm (28") triple grouser	19 830 kg	43,718 lb	19 840 kg	43,740 lb	19 900 kg	43,872 lb
	790 mm (31") triple grouser	20 100 kg	44,313 lb	20 110 kg	44,335 lb	20 180 kg	44,489 lb
319D LN	500 mm (20") triple grouser	19 150 kg	42,219 lb	19 160 kg	42,241 lb	19 230 kg	42,395 lb
	600 mm (24") triple grouser	19 410 kg	42,792 lb	19 420 kg	42,814 lb	19 480 kg	42,946 lb

* with SAE 0.77 m^3 (1.0 yd^3) and 3.6 ton counterweight.

Working Ranges

All dimensions are approximate.



	Boom	Reach 5.3 m (17'5")	Reach 5.3 m (17'5")	Reach 5.3 m (17'5")
	Stick	**3.2 m (10'6")***	**2.7 m (8'10")***	**2.25 m (7'5")***
	Bucket	**0.77 m³ (1.0 yd³)**	**0.77 m³ (1.0 yd³)**	**0.77 m³ (1.0 yd³)**
1	Maximum Digging Depth	6890 mm (22'7")	6390 mm (21'0")	5940 mm (19'6")
2	Maximum Reach at Ground Level	9640 mm (31'8")	9110 mm (29'11")	8660 mm (28'5")
3	Maximum Cutting Height	9610 mm (31'6")	9190 mm (30'2")	8880 mm (29'2")
4	Maximum Loading Height	6840 mm (22'5")	6440 mm (21'2)	6140 mm (20'2")
5	Minimum Loading Height	1840 mm (6'0")	2330 mm (7'8")	2790 mm (9'2")
6	Maximum Depth Cut for 2440 m (8') Level Bottom	6720 mm (22'1")	6180 mm (20'3")	5680 mm (18'8")
7	Maximum Vertical Wall Digging Depth	5710 mm (18'9")	5110 mm (16'9")	4550 mm (14'11")
	Minimum Front Swing Radius	3070 mm (10'1")	3120 mm (10'3")	3120 mm (10'3")
	Stick Digging Force (SAE)	80.7 kN (18,142 lb)	89.9 kN (20,210 lb)	105.1 kN (23,627 lb)
	Bucket Digging Force (SAE)	113.9 kN (25,606 lb)	112.3 kN (25,246 lb)	132.1 kN (29,697 lb)

* Measurements shown are for machines equipped with the 0.77 m³ (1.0 yd³) buckets.

Buckets

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

HEAVY DUTY					Recommended Maximum Material Density					
Buckets	Width		Capacity		2.25 m (7'5") Stick		2.7 m (8'10") Stick		(10'6") Stick	
	mm	in	m^3	yd^3	kg/m^3	lb/yd^3	kg/m^3	lb/yd^3	kg/m^3	lb/yd^3
239-2529	616	24	0.45	0.59	1800	3,034	1800	3,034	1800	3,034
239-2530	757	30	0.58	0.76	1800	3,034	1800	3,034	1800	3,034
239-2531	924	36	0.78	1.01	1800	3,034	1800	3,034	1500	2,528
239-2532	1052	42	0.92	1.20	1800	3,034	1500	2,528	1200	2,023
239-2533	1230	48	1.02	1.40	1500	2,528	1200	2,023	1200	2,023

Material Densities

Material	kg/m^3*	lb/yd^3**	Material	kg/m^3*	lb/yd^3**
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	
3.2 m (10'6") Stick	**319D L**	**319D LN**
600 mm (24") triple grouser	40.6 kPa (5.9 psi)	40.5 kPa (5.9 psi)
700 mm (28") triple grouser	35.5 kPa (5.1 psi)	–
790 mm (31") triple grouser	31.9 kPa (4.6 psi)	–

Undercarriage

Caterpillar designed and built track-type undercarriage

Track Width	Ground Pressure	
R2.7 m (8'10")	**319D L**	**319D LN**
600 mm (24") triple grouser	40.5 kPa (5.9 psi)	40.4 kPa (5.9 psi)
700 mm (28") triple grouser	35.4 kPa (5.1 psi)	–
790 mm (31") triple grouser	31.8 kPa (4.6 psi)	–

Undercarriage

Caterpillar designed and built track-type undercarriage

Track Width	Ground Pressure	
2.25 m (7'5") Stick	**319D L**	**319D LN**
600 mm (24") triple grouser	40.5 kPa (5.9 psi)	40.4 kPa (5.9 psi)
700 mm (28") triple grouser	35.4 kPa (5.1 psi)	–
790 mm (31") triple grouser	31.8 kPa (4.6 psi)	–

319D L/319D LN Hydraulic Excavator Specifications

Reach Boom Lift Capacities

 Load Point Height

 Load at Maximum Reach

 Load Radius Over Front

 Load Radius Over Side

R2.7 STICK – 2.7 m (8'10")
BUCKET – 0.77 m³ (1.0 yd³)

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

BOOM – Reach 5.3 m (17.4 ft)
COUNTERWEIGHT – 3.6 mt (7,940 lb)

		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**									*1750 ***3,700**	*1750 ***3,700**	6.03 **19.43**
6.0 m **20.0 ft**	kg **lb**					*3700 ***8,000**	*3700 **7,950**			*2300 ***5,000**	*2300 ***5,000**	7.09 **23.09**
4.5 m **15.0 ft**	kg **lb**					*4050 ***8,800**	3650 **7,750**	*3000	2350	*2350 ***5,150**	2200 **4,900**	7.71 **25.20**
3.0 m **10.0 ft**	kg **lb**			*6200 ***13,300**	5550 **11,900**	*4800 ***10,450**	3450 **7,350**	*4250 ***8,850**	2300 **4,850**	*2450 ***5,350**	1950 **4,250**	8.10 **26.54**
1.5 m **5.0 ft**	kg **lb**			*8100 ***17,400**	5050 **10,850**	*5700 ***12,300**	3200 **6,900**	4200 **8,950**	2200 **4,650**	*2600 ***5,700**	1800 **3,950**	8.24 **27.04**
Ground Line	kg **lb**			*9050 ***19,500**	4800 **10,300**	5950 **12,700**	3050 **6,550**	4100 **8,750**	2100 **4,450**	*2900 ***6,400**	1850 **4,000**	8.08 **26.35**
–1.5 m **–5.0 ft**	kg **lb**	*7300 ***15,750**	*7300 ***15,750**	*9050 ***19,550**	4750 **10,200**	5850 **12,550**	3000 **6,400**			*3500 ***7,700**	2050 **4,450**	7.59 **24.87**
–3.0 m **–10.0 ft**	kg **lb**	*10 550 ***23,900**	*9750 ***20,800**	*8300 ***17,900**	4800 **10,300**	5900 **12,600**	3000 **6,500**			*4600 ***10,200**	2550 **5,600**	6.74 **21.98**
–4.5 m **–15.0 ft**	kg **lb**	*8650 ***18,400**	*8650 ***18,400**	6250 **13,200**	5000 **10,750**					*5000 ***10,950**	3900 **8,850**	5.27 **16.99**

* 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.

R3.2 STICK – 3.2 m (10'6")
BUCKET – 0.77 m³ (1.0 yd³)

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

BOOM – Reach 5.3 m (17.4 ft)
COUNTERWEIGHT – 3.6 mt (7,940 lb)

		1.5 m (5.0 ft)		3.0 m (10.0 ft)		4.5 m (15.0 ft)		6.0 m (20.0 ft)		7.5 m (25.0 ft)				
														m ft
7.5 m **25.0 ft**	kg **lb**											*1750 ***3,750**	*1750 ***3,750**	6.84 **22.11**
6.0 m **20.0 ft**	kg **lb**							*3150 ***6,950**	*3150 ***6,950**			*1850 ***4,050**	*1850 ***4,050**	7.78 **25.37**
4.5 m **15.0 ft**	kg **lb**							*3600 ***7,800**	*3600 ***7,800**	*3250 ***6,850**	2400 **5,050**	*1900 ***4,150**	*1900 ***4,150**	8.32 **27.24**
3.0 m **10.0 ft**	kg **lb**					*5450 ***11,700**	*5450 ***11,700**	*4400 ***9,500**	3500 **7,450**	*3900 ***8,500**	2300 **4,900**	*2000 ***4,350**	1700 **3,700**	8.63 **28.30**
1.5 m **5.0 ft**	kg **lb**					*7500 ***16,100**	5150 **11,100**	*5350 ***11,550**	3250 **6,950**	4200 **8,950**	2200 **4,650**	*2100 ***4,600**	1600 **3,500**	8.76 **28.73**
Ground Line	kg **lb**					*8750 ***18,900**	4850 **10,350**	5950 **12,700**	3050 **6,500**	4100 **8,750**	2100 **4,450**	*2300 ***5,100**	1600 **3,500**	8.61 **28.24**
–1.5 m **–5.0 ft**	kg **lb**			*7100 ***16,300**	*7100 ***16,300**	*9100 ***19,650**	4700 **10,100**	5800 **12,450**	2950 **6,350**	4050 **8,600**	2050 **4,350**	*2700 ***6,000**	1750 **3,850**	8.16 **26.73**
–3.0 m **–10.0 ft**	kg **lb**	*7800 ***16,950**	*7800 ***16,950**	*11 600 ***26,100**	9550 **20,500**	*8600 ***18,600**	1750 **10,150**	5800 **12,450**	2950 **6,350**			*3450 ***7,700**	2150 **4,700**	7.36 **24.05**
–4.5 m **–15.0 ft**	kg **lb**			*10 100 ***21,550**	9850 **21,100**	*7150 ***15,200**	4900 **10,500**					*4700 ***10,300**	3050 **6,800**	6.07 **19.66**

* 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.

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Reach Boom Lift Capacities

 Load Point Height

 Load at Maximum Reach

 Load Radius Over Front

 Load Radius Over Side

R2.7 STICK – 2.7 m (8'10")
BUCKET – 0.77 m³ (1.0 yd³)

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

BOOM – Reach 5.3 m (17.4 ft)
COUNTERWEIGHT – 3.6 mt (7,940 lb)

		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**									*1750 ***3,700**	*1750 ***3,700**	6.03 **19.43**
6.0 m **20.0 ft**	kg **lb**					*3700 ***8,000**	*3700 ***8,000**			*2300 ***5,000**	*2300 ***5,000**	7.09 **23.09**
4.5 m **15.0 ft**	kg **lb**					*4050 ***8,800**	3700 **7,900**	*3000	2400	*2350 ***5,150**	2250 **5,000**	7.71 **25.20**
3.0 m **10.0 ft**	kg **lb**			*6200 ***13,300**	5650 **12,100**	*4800 ***10,450**	3500 **7,500**	*4250 ***8,850**	2350 **4,950**	*2450 ***5,350**	2000 **4,350**	8.10 **26.54**
1.5 m **5.0 ft**	kg **lb**			*8100 ***17,400**	5150 **11,100**	*5700 ***12,300**	3300 **7,050**	4250 **9,150**	2250 **4,750**	*2600 ***5,700**	1850 **4,100**	8.24 **27.04**
Ground Line	kg **lb**			*9050 ***19,500**	4900 **10,550**	6050 **12,950**	3150 **6,700**	4200 **8,950**	2150 **4,600**	*2900 ***6,400**	1900 **4,150**	8.08 **26.50**
–1.5 m **–5.0 ft**	kg **lb**	*7300 ***15,750**	*7300 ***15,750**	*9050 ***19,550**	4850 **10,400**	5950 **12,800**	3050 **6,550**			*3500 ***7,700**	2100 **4,600**	7.59 **24.87**
–3.0 m **–10.0 ft**	kg **lb**	*10550 ***23,900**	9900 **21,200**	*8300 ***17,900**	4900 **10,550**	6000 **12,900**	3100 **6,650**			*4600 ***10,200**	2600 **5,700**	6.74 **21.98**
–4.5 m **–15.0 ft**	kg **lb**	*8650 ***18,400**	*8650 ***18,400**	*6250 ***13,200**	5100 **11,000**					*5000 ***10,950**	4000 **9,050**	5.27 **16.99**

* 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.

R3.2 STICK – 3.2 m (10'6")
BUCKET – 0.77 m³ (1.0 yd³)

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

BOOM – Reach 5.3 m (17.4 ft)
COUNTERWEIGHT – 3.6 mt (7,940 lb)

		1.5 m (5.0 ft)		3.0 m (10.0 ft)		4.5 m (15.0 ft)		6.0 m (20.0 ft)		7.5 m (25.0 ft)				
														m ft
7.5 m **25.0 ft**	kg **lb**											*1750 ***3,750**	*1750 ***3,750**	6.84 **22.11**
6.0 m **20.0 ft**	kg **lb**							*3150 ***6,950**	*3150 ***6,950**			*1850 ***4,050**	*1850 ***4,050**	7.78 **25.37**
4.5 m **15.0 ft**	kg **lb**							*3600 ***7,800**	*3600 ***7,800**	*3250 ***6,850**	2450 **5,200**	*1900 ***4,150**	*1900 ***4,150**	8.32 **27.24**
3.0 m **10.0 ft**	kg **lb**					*5450 ***11,700**	*5450 ***11,700**	*4400 ***9,500**	3550 **7,600**	*3900 ***8,500**	2350 **5,000**	*2000 ***4,350**	1750 **3,800**	8.63 **28.30**
1.5 m **5.0 ft**	kg **lb**					*7500 ***16,100**	5250 **11,300**	*5350 ***11,550**	3300 **7,100**	4300 **9,150**	2250 **4,750**	*2100 ***4,600**	1650 **3,600**	8.76 **28.73**
Ground Line	kg **lb**					*8750 ***18,900**	4950 **10,600**	6050 **13,000**	3150 **6,700**	4200 **8,950**	2150 **4,550**	*2300 ***5,100**	1650 **3,600**	8.61 **28.24**
–1.5 m **–5.0 ft**	kg **lb**			*7100 ***16,300**	*7100 ***16,300**	*9100 ***19,650**	4800 **10,350**	5950 **12,750**	3050 **6,500**	4100 **8,800**	2100 **4,450**	*2700 ***6,000**	1800 **3,950**	8.16 **26.73**
–3.0 m **–10.0 ft**	kg **lb**	*7800 ***16,950**	*7800 ***16,950**	*11 600 ***26,100**	9750 **20,850**	*8600 ***18,600**	4850 **10,350**	5950 **12,750**	3050 **6,500**			*3450 ***7,700**	2200 **4,800**	7.35 **24.05**
–4.5 m **–15.0 ft**	kg **lb**			*10 100 ***21,550**	10 050 **21,500**	*7150 ***15,200**	5000 **10,700**					*4700 ***10,300**	3100 **6,950**	6.07 **19.66**

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

319D L/319D LN Hydraulic Excavator Specifications

Reach Boom Lift Capacities

 Load Point Height

 Load at Maximum Reach

 Load Radius Over Front

 Load Radius Over Side

R2.7 STICK – 2.7 m (8'10")
BUCKET – 0.77 m³ (1.0 yd³)

UNDERCARRIAGE – Long
SHOES – 790 mm (31") triple grouser

BOOM – Reach 5.3 m (17.4 ft)
COUNTERWEIGHT – 3.6 mt (7,940 lb)

		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**									*1750 ***3,700**	*1750 ***3,700**	6.03 **19.43**
6.0 m **20.0 ft**	kg **lb**					*3700 ***8,000**	*3700 ***8,000**			*2350 ***5,000**	*2300 ***5,000**	7.09 **23.09**
4.5 m **15.0 ft**	kg **lb**					*4050 ***8,800**	3750 **8,000**	*3000	2450	*2350 ***5,150**	2300 **5,100**	7.71 **25.20**
3.0 m **10.0 ft**	kg **lb**			6200 **13,300**	5700 **12,250**	*4800 ***10,450**	3550 **7,600**	*4250 ***8,850**	2350 **5,050**	*2450 ***5,350**	2050 **4,450**	8.10 **26.54**
1.5 m **5.0 ft**	kg **lb**			8100 **17,400**	5250 **11,250**	*5700 ***12,300**	3350 **7,150**	4350 **9,300**	2250 **4,850**	*2600 ***5,700**	1900 **4,150**	8.24 **27.04**
Ground Line	kg **lb**			9050 **19.500**	5000 **10,700**	6150 **13,150**	3200 **6,800**	4250 **9,100**	2200 **4,650**	*2900 ***6,400**	1900 **4,200**	8.08 **26.5**
–1.5 m **–5.0 ft**	kg **lb**	*7300 ***15,750**	*7300 ***15,750**	*9050 ***19,550**	4950 **10,550**	6050 **13,000**	3100 **6,650**			*3500 ***7,700**	2100 **4,650**	7.59 **24.87**
–3.0 m **–10.0 ft**	kg **lb**	*10 550 ***23,900**	10 050 **21,500**	*8300 ***17,900**	5000 **10,700**	*6000 ***12,900**	3150 **6,750**			*4600 ***10,200**	2650 **5,800**	6.74 **21.98**
–4.5 m **–15.0 ft**	kg **lb**	*8650 ***18,400**	*8650 ***18,400**	*6250 ***13,200**	5200 **11,150**					*5000 ***10,950**	4050 **9,200**	5.27 **16.99**

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R3.2 STICK – 3.2 m (10'6")
BUCKET – 0.77 m³ (1.0 yd³)

UNDERCARRIAGE – Long
SHOES – 790 mm (31") triple grouser

BOOM – Reach 5.3 m (17.4 ft)
COUNTERWEIGHT – 3.6 mt (7,940 lb)

		1.5 m (5.0 ft)		3.0 m (10.0 ft)		4.5 m (15.0 ft)		6.0 m (20.0 ft)		7.5 m (25.0 ft)				
														m ft
7.5 m **25.0 ft**	kg **lb**											*1750 ***3,750**	*1750 ***3,750**	6.84 **22.11**
6.0 m **20.0 ft**	kg **lb**							*3150 ***6,950**	*3150 ***6,950**			*1850 ***4,050**	*1850 ***4,050**	7.78 **25.37**
4.5 m **15.0 ft**	kg **lb**							*3600 ***7,800**	*3600 ***7,800**	*3250 ***6,850**	2500 **5,250**	*1900 ***4,150**	*1900 ***4,150**	8.32 **27.24**
3.0 m **10.0 ft**	kg **lb**					*5450 ***11,700**	*5450 ***11,700**	*4400 ***9,500**	3600 **7,700**	*3900 ***8,500**	2400 **5,100**	*2000 ***4,350**	1750 **3,900**	8.63 **28.30**
1.5 m **5.0 ft**	kg **lb**					*7500 ***16,100**	5350 **11,450**	*5350 ***11,550**	3350 **7,200**	4350 **9,300**	2250 **4,850**	*2100 ***4,600**	1650 **3,650**	8.76 **28.73**
Ground Line	kg **lb**					*8750 ***18,900**	5000 **10,750**	*6100 ***13,150**	3200 **6,800**	4250 **9,100**	2150 **4,650**	*2300 ***5,100**	1700 **3,700**	8.61 **28.24**
–1.5 m **–5.0 ft**	kg **lb**			*7100 ***16,300**	*7100 ***16,300**	*9100 ***19,650**	4900 **10,500**	6050 **12,950**	3100 **6,600**	4200 **8,950**	2100 **4,500**	*2700 ***6,000**	1850 **4,050**	8.16 **26.73**
–3.0 m **–10.0 ft**	kg **lb**	*7800 ***16,950**	*7800 ***16,950**	*11 600 ***26,100**	9900 **21,150**	*8600 ***18,600**	4900 **10,550**	6050 **12,950**	3100 **6,600**			*3450 ***7,700**	2200 **4,900**	7.36 **24.05**
–4.5 m **–15.0 ft**	kg **lb**			*10 100 ***21,550**	*10 100 ***21,550**	*7150 ***15,200**	5050 **10,850**					*4700 ***10,300**	3150 **7,100**	6.07 **19.66**

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Reach Boom Lift Capacities

 Load Point Height

 Load at Maximum Reach

 Load Radius Over Front

 Load Radius Over Side

R2.7 STICK – 2.7 m (8'10")
BUCKET – 0.77 m³ (1.0 yd³)

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

BOOM – Reach 5.3 m (17.4 ft)
COUNTERWEIGHT – 3.9 mt (8,600 lb)

		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**									*1750 ***3,700**	*1750 ***3,700**	6.03 **19.43**
6.0 m **20.0 ft**	kg **lb**					*3700 ***8,000**	3500 **7,450**			*2300 ***5,000**	*2300 ***5,000**	7.09 **23.09**
4.5 m **15.0 ft**	kg **lb**					*4050 ***8,800**	3400 **7,250**	*3000	2200	*2350 ***5,150**	2050 **4,550**	7.71 **25.20**
3.0 m **10.0 ft**	kg **lb**			*6200 ***13,300**	5150 **11,050**	*4800 ***10,450**	3200 **6,850**	*4250 ***8,850**	2100 **4,500**	*2450 ***5,350**	1800 **3,950**	8.10 **26.54**
1.5 m **5.0 ft**	kg **lb**			*8100 ***17,400**	4650 **10,050**	*5700 ***12,300**	3000 **6,400**	4350 **9,250**	2000 **4,300**	*2600 ***5,700**	1700 **3,650**	8.24 **27.04**
Ground Line	kg **lb**			*9050 ***19,500**	4450 **9,500**	6150 **13,150**	2850 **6,050**	4250 **9,100**	1950 **4,150**	*2900 ***6,400**	1700 **3,700**	8.08 **26.50**
–1.5 m **–5.0 ft**	kg **lb**	*7300 ***15,750**	*7300 ***15,750**	*9050 ***19,550**	4400 **9,400**	6050 **12,950**	3750 **5,900**			*3500 ***7,700**	1900 **4,150**	7.59 **24.87**
–3.0 m **–10.0 ft**	kg **lb**	*10 550 ***23,900**	8800 **18,850**	*8300 ***17,900**	4450 **9,500**	*6000 ***12,900**	2800 **6,000**			*4600 ***10,200**	2350 **5,200**	6.74 **21.98**
–4.5 m **–15.0 ft**	kg **lb**	*8650 ***18,400**	*8650 ***18,400**	*6250 ***13,200**	4650 **9,950**					*5000 ***10,950**	3600 **8,200**	5.27 **16.99**

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R3.2 STICK – 3.2 m (10'6")
BUCKET – 0.77 m³ (1.0 yd³)

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

BOOM – Reach 5.3 m (17.4 ft)
COUNTERWEIGHT – 3.9 mt (8,600 lb)

		1.5 m (5.0 ft)		3.0 m (10.0 ft)		4.5 m (15.0 ft)		6.0 m (20.0 ft)		7.5 m (25.0 ft)				
														m ft
7.5 m **25.0 ft**	kg **lb**											*1750 ***3,750**	*1750 ***3,750**	6.84 **22.11**
6.0 m **20.0 ft**	kg **lb**							*3150 ***6,950**	*3150 ***6,950**			*1850 ***4,050**	*1850 ***4,050**	7.78 **25.37**
4.5 m **15.0 ft**	kg **lb**							*3600 ***7,800**	3450 **7,350**	*3250 ***6,850**	2250 **4,700**	*1900 ***4,150**	1750 **3,850**	8.32 **27.24**
3.0 m **10.0 ft**	kg **lb**					*5450 ***11,700**	5250 **11,350**	*4400 ***9,500**	3250 **6,950**	*3900 ***8,500**	2150 **4,550**	*2000 ***4,350**	1550 **3,450**	8.63 **28.30**
1.5 m **5.0 ft**	kg **lb**					*7500 ***16,100**	4750 **10,250**	*5350 ***11,550**	3000 **6,450**	4350 **9,300**	2000 **4,300**	*2100 ***4,600**	1450 **3,200**	8.76 **28.73**
Ground Line	kg **lb**					*8750 ***18,900**	4450 **9,550**	*6100 ***13,150**	2850 **6,050**	4250 **9,050**	1950 **4,100**	*2300 ***5,100**	1500 **3,250**	8.61 **28.24**
–1.5 m **–5.0 ft**	kg **lb**			*7100 ***16,300**	*7100 ***16,300**	*9100 ***19,650**	4350 **9,300**	6000 **12,900**	2750 **5,850**	4200 **8,950**	1900 **4,000**	*2700 ***6,000**	1600 **3,550**	8.16 **26.73**
–3.0 m **–10.0 ft**	kg **lb**	*7800 ***16,950**	*7800 ***16,950**	*11 600 ***26,100**	8650 **18,500**	*8600 ***18,600**	4350 **9,350**	6000 **12,900**	2750 **5,850**			*3450 ***7,700**	1950 **4,350**	7.36 **24.05**
–4.5 m **–15.0 ft**	kg **lb**			*10 100 ***21,550**	8900 **19,100**	*7150 ***15,200**	4500 **9,650**					*4700 ***10,300**	2800 **6,300**	6.07 **19.66**

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319D L/319D LN Hydraulic Excavator Specifications

Reach Boom Lift Capacities

 Load Point Height

 Load at Maximum Reach

 Load Radius Over Front

 Load Radius Over Side

R2.7 STICK – 2.7 m (8'10")
BUCKET – 0.77 m³ (1.0 yd³)

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

BOOM – Reach 5.3 m (17.4 ft)
COUNTERWEIGHT – 3.6 mt (7,940 lb)

		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**									*1750 ***3,700**	*1750 ***3,700**	6.03 **19.43**
6.0 m **20.0 ft**	kg **lb**					*3700 ***8,000**	*3350 ***7,150**			*2300 ***5,000**	*2300 ***5,000**	7.09 **23.09**
4.5 m **15.0 ft**	kg **lb**					*4050 ***8,800**	3250 **6,900**	*3000	2100	*2350 ***5,150**	1950 **4,300**	7.71 **25.20**
3.0 m **10.0 ft**	kg **lb**			*6200 ***13,300**	4900 **10,600**	*4800 ***10,450**	3050 **6,500**	*4250 ***8,850**	2000 **4,250**	*2450 ***5,350**	1700 **3,700**	8.10 **26.54**
1.5 m **5.0 ft**	kg **lb**			*8100 ***17,400**	4450 **9,600**	*5700 ***12,300**	2850 **6,050**	4150 **8,950**	1900 **4,050**	*2600 ***5,700**	1600 **3,450**	8.24 **27.04**
Ground Line	kg **lb**			*9050 ***19,500**	4200 **9,050**	5900 **12,650**	2700 **5,750**	4100 **8,750**	1850 **3,900**	*2900 ***6,400**	1600 **3,500**	8.08 **26.50**
–1.5 m **–5.0 ft**	kg **lb**	*7300 ***15,750**	*7300 ***15,750**	*9050 ***19,550**	4150 **8,950**	5850 **12,500**	2600 **5,600**			*3500 ***7,700**	1750 **3,900**	7.59 **24.87**
–3.0 m **–10.0 ft**	kg **lb**	*10 550 ***23,900**	8400 **18,000**	*8300 ***17,900**	4200 **9,050**	5850 **12,600**	2650 **5,650**			*4600 ***10,200**	2200 **4,900**	6.74 **21.98**
–4.5 m **–15.0 ft**	kg **lb**	*8650 ***18,400**	*8650 **18,400**	*6250 ***13,200**	4400 **9,500**					*5000 ***10,950**	3450 **7,800**	5.27 **16.99**

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R3.2 STICK – 3.2 m (10'6")
BUCKET – 0.77 m³ (1.0 yd³)

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

BOOM – Reach 5.3 m (17.4 ft)
COUNTERWEIGHT – 3.6 mt (7,940 lb)

		1.5 m (5.0 ft)		3.0 m (10.0 ft)		4.5 m (15.0 ft)		6.0 m (20.0 ft)		7.5 m (25.0 ft)				
														m ft
7.5 m **25.0 ft**	kg **lb**											*1750 ***3,750**	*1750 ***3,750**	6.84 **22.11**
6.0 m **20.0 ft**	kg **lb**							*3150 ***6,950**	*3150 ***6,950**			*1850 ***4,050**	*1850 ***4,050**	7.78 **25.37**
4.5 m **15.0 ft**	kg **lb**							*3600 ***7,800**	3300 **7,050**	*3250 ***6,850**	2100 **4,450**	*1900 ***4,150**	1650 **3,650**	8.32 **27.24**
3.0 m **10.0 ft**	kg **lb**					*5450 ***11,700**	5050 **10,850**	*4400 ***9,500**	3100 **6,600**	*3900 ***8,500**	2000 **4,300**	*2000 ***4,350**	1450 **3,200**	8.63 **28.30**
1.5 m **5.0 ft**	kg **lb**					*7500 ***16,100**	4550 **9,800**	*5350 ***11,550**	2850 **6,150**	4200 **8,950**	1900 **4,050**	*2100 ***4,600**	1350 **3,000**	8.76 **28.73**
Ground Line	kg **lb**					*8750 ***18,900**	4250 **9,100**	5900 **12,700**	2700 **5,750**	4050 **8,700**	1800 **3,850**	*2300 ***5,100**	1400 **3,000**	8.61 **28.25**
–1.5 m **–5.0 ft**	kg **lb**			*7100 ***16,300**	*7100 ***16,300**	*9100 ***19,650**	4150 **8,850**	5800 **12,450**	2600 **5,550**	4000 **8,600**	1750 **3,750**	*2700 ***6,000**	1500 **3,300**	8.16 **26.73**
–3.0 m **–10.0 ft**	kg **lb**	*7800 ***16,950**	*7800 ***16,950**	*11 600 ***26,100**	8250 **17,700**	*8600 ***18,600**	4150 **8,900**	5800 **12,450**	2600 **5,550**			*3450 ***7,700**	1850 **4,100**	7.36 **24.05**
–4.5 m **–15.0 ft**	kg **lb**			*10 100 ***21,550**	8550 **18,300**	*7150 ***15,200**	4300 **9,200**					*4700 ***10,300**	2650 **6,000**	6.07 **19.66**

* 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.

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

319D L/319D LN Standard Equipment

Standard equipment may vary. Consult your Caterpillar dealer for details

Alternator, 50 amp
Automatic engine speed control
Automatic swing brake
Bolt-on Falling Object Guard System (FOGS) capability
Cab
- AM/FM radio, 24-volt
- Ashtray with cigar lighter
- Coat hook
- Drink holder
- Economy mode
- Horn

Counterweight 3.6 mt (7,940 lb)
Language display monitor (full graphic/full color display)
- Clock
- Filter/fluid change information
- Level check for hydraulic oil, engine oil and coolant
- Warning messages

Light, interior
Literature holder
Openable front windshield
Openable skylight with sunshade
Positive filtered ventilation
Storage compartment
Travel control pedals with removable hand levers
Door locks and caps lock with one-key security system
Light, storage box mounted (1)
Mirrors (frame and cab)
Power train
- Cat® C4.2 engine with ACERT™ Technology
- 24-volt electric starter
- Air intake heater
- Water separator

Radial seal air filter, double element
Reverse swing damping valve
Undercarriage
- Greased track adjusters
- Idler and center section track guiding guards
- Track-type undercarriage with grease lubricated seals

319D L/319D LN Optional Equipment

Optional equipment may vary. Consult your Caterpillar dealer for details

Air prefilter
Auxiliary hydraulics
Auxiliary hydraulic lines for booms and sticks
Boom lowering and overload warning control device
Bucket linkage
Cab mounted working lights
Cab mounted working lights with time delay function
Cold weather start
Counterweight 3.9 mt (8,600 lb)
Fine swing control
Falling Object Guarding System (FOGS)
Front windshield guard
Hand control pattern changer
Heavy-duty bottom guard
High ambient cooling system
Power supply 12V-7A
Pull down sunscreen
Rain protector
Rear view camera
Right-side boom lights
Secondary exit, rear window
Steel bumper
Stick and boom combinations
- 3.2 m (10 ft 6 in) stick
- 2.7 m (8 ft 10 in) stick
- 2.25 m (7 ft 5 in) stick

Straight travel pedal
Sun visor
Swivel guard
Vandalism protection
Water level indicator with water separator

Notes

Notes

319D L/319D LN Hydraulic Excavator

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

AEHQ6010 (10-2008)

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