

# 315D L

Hydraulic Excavator

**CATERPILLAR**<sup>®</sup>



**Cat<sup>®</sup> C4.2 Engine with ACERT<sup>™</sup> Technology**

Net Power (ISO 9249) at 2200 rpm 86 kW/117 hp

**Weight**

Operating Weight 16 700 kg

*Long Undercarriage, One-piece Boom,  
2600 mm Stick, 500 mm Shoes.*

## 315D L Features

### Comfortable Operator Station

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

### Low Emissions and Powerful Engine

*Move more material using less fuel with the Cat C4.2 ACERT engine. This meets EU Stage IIIA emissions while providing additional power and performance.*

### Performing Hydraulics

*Efficient hydraulic system delivers more power for increased digging ability, lifting performance and overall productivity.*

### Maximum Versatility

*Easily configure 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.*



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**Increased horsepower, improved controllability and a comfortable, redesigned operator station help make the Cat® 315D L Hydraulic Excavator an industry-leading performer. Easy to operate with unmatched versatility, the 315D L will help increase productivity and lower operating costs.**

# Operator Station

New levels of comfort, visibility and operation.

## Cab

Experience a spacious, quiet and comfortable operator station. The cab is pressurized to 0,5 bar 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 the air suspension and / or heating seat.
- 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 Crystal Display (LCD) monitor. The LCD monitor displays vital operating and performance information, in 27 different languages, for operator convenience.

## Cab Exterior

The 315D L provides a new cab design that allows the Falling Object Guard System (FOGS) to be bolted directly to the cab, at the factory or as an attachment, 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.





# Engine

Clean, quiet operation and superior power with ACERT Technology.

The Cat C4.2 engine with ACERT Technology optimizes performance and meets 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 has five percent more power than the former engine, allowing for more hydraulic pressure and increased productivity.

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

A three-stage control with one-touch command maximizes fuel efficiency and reduces sound levels. Fuel delivery is managed by the ADEM™ A4 Engine Controller for the best performance per liter 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**

Available as a standard feature, 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.

## **ODPS**

On Demand Power Supply is a new feature, constantly regulating engine power supply, based on the power demanded by the machine hydraulic system. This machine reduces fuel consumption and machine noise in light duty applications.

## **Electronic Module Control (ECM)**

The ECM works as the "brain" of the engine's control system, responding quickly to the operating variables to maximize engine efficiency. Fully integrated with sensors in the engine's fuel, air, coolant and exhaust systems, the ECM stores and relays information on conditions such as rpm, fuel consumption and diagnostics.

## **Air Cleaner**

The radial seal air filter features a double layered filter core for more efficient filtration. A warning is displayed on the monitor when dust accumulates above a preset level.

# Hydraulics

High efficiency and performance with low effort and precise control.



## Outstanding Performance

With two percent more hydraulic pressure for additional lift, swing torque and breakout forces, the 315D L hydraulic system is designed for high efficiency and performance. Auxiliary hydraulic and electrical lines are routed to the boom foot making installation of hydraulic circuits much easier. The new 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.
- Electronic Under Speed Control electronically adjusts pump output to not exceed engine power preventing the need to reserve engine power to avoid engine stalls.
- Hydraulic Cross-Sensing System uses two hydraulic pumps to 100 percent of engine power under all operating conditions, improving productivity with faster implement speeds and quicker, stronger pivot turns.

## Boom and Stick Regeneration Circuit

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

## 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 over three times the penetration of 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. 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.

## Cross Roller Bearing

A cross roller bearing design in the swing bearing gives more surface contact to absorb stresses from high swing torque offered by Caterpillar. This design provides exceptional machine stability and reduces machine pitching during boom down operation.

## Travel Motors

Travel motors with automatic speed selection let the 315D L 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 315D L offers one boom with four different stick options.

## Intermediate Stick

A new 2.9 m stick is available to provide long reach and increased digging and lifting capability. When equipped with a coupler or large bucket the new stick will increase overall performance and productivity.

## 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 Cat Work Tools.



## Hydraulic and Pilot Configurations

High pressure systems, medium pressure systems and electrical pilot control are available as independent and combinable attachments to configure the most adapted machine to your specific job needs.

## Control Levers

Two types of control levers and two types of foot pedals are available as separate attachments.

## Work Tools

Caterpillar offers a variety of work tools, including Hammers, Grapples, Shears, Multi-processors, Pulverizers, Compactors and rippers to fit your application needs.

Additionally, a large range of Buckets is available to optimize machine performance.

## Cat K-series Tooth System

This feature provides a reliable tip retention and easy tooth installation and removal system.

## Pin Grabber

This hydraulic tool holder increases versatility of the excavator by easily and quickly changing a large variety of work tools.

## Product Link

The 315D L is pre-wired to accept Product link systems to install in the field or to order from factory. Product link assists with fleet management by tracking hours, location and machine health.



## Tool Control

The tool control attachment is installed as standard and offers up to 10 flow and pressure pre-setting ability for easier and quicker tool readiness.

Combined with an hydraulic Quick Coupler, the tool control system allows changes of tools simply from the cab.



# 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.

- Oil level gauge, oil filter, fuel filter and priming pump are on the right side of the upper structure 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.

## 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.



# Product Link

Efficient feature to follow and support your machine anywhere.



The 315D L can be equipped with Product Link PL321SR as optional feature.

This system provides permanent location, operating hours and machine health information through GPS ways and Internet tools.

Product Link improves machine availability and lower operating costs.

## Customer Support

Unmatched support makes the difference.

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

- Make comparisons of machines, with estimates of component life, preventative maintenance and cost of production.
- Financing packages are flexible to meet your needs.
- Your Cat dealer can evaluate the cost to repair, rebuild and replace your machine, so you can make the right choice.
- For more information on Cat products, dealer services and industry solutions, visit us at [www.cat.com](http://www.cat.com).



# 315D L Hydraulic Excavator specifications

## Engine

Engine Model Cat® C4.2 ACERT™	
Gross Power	91 kW/124 hp
Net Power	86 kW/117 hp
ISO 9249	86 kW/117 hp
Bore	102 mm
Stroke	130 mm
Displacement	4.25 liter

- Net power advertised is the power available at the flywheel when the engine is equipped with fan, air cleaner, muffler and alternator.
- No engine derating required below 2300 m altitude.
- The 315D L meets EU Stage IIIA Directive 97/68/EC emissions requirements.

## Swing Mechanism

Swing Torque	43 kNm
Swing Speed	10.2 rpm

## Drive

Maximum Drawbar Pull	157 kN
Maximum Travel Speed	5.6 km/h

## Hydraulic System

Main Implement System	
Maximum Flow (2x)	150 l/min
Maximum Pressure – Implements	350 bar
Maximum Pressure – Travel	350 bar
Maximum Pressure – Swing	245 bar
Pilot System –	
Maximum Flow	26 l/min
Pilot System –	
Maximum Pressure	41 bar
Boom Cylinder – Bore	110 mm
Boom Cylinder – Stroke	1193 mm
Stick Cylinder – Bore	120 mm
Stick Cylinder – Stroke	1331 mm
Bucket Cylinder – Bore	100 mm
Bucket Cylinder – Stroke	1048 mm

## Service Refill Capacities

	liter
Fuel Tank	300
Cooling System	22
Engine Oil	18.5
Swing Drive	3
Final Drive (Each)	5
Hydraulic System (Including Tank)	190
Hydraulic Tank	106

## Standards

Cab/FOGS	SAE J1356
	FEB88 ISO 10262

## Sound

### Operator Sound

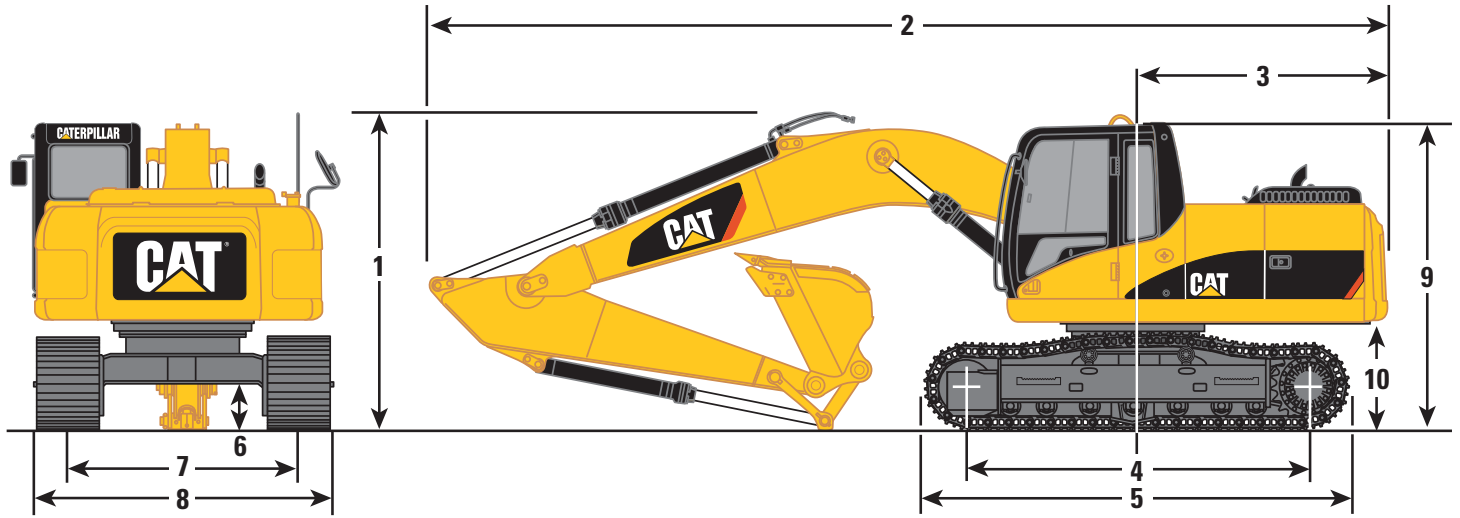
- The operator sound pressure level measured according to the procedures specified in ISO 6396 is 76 dB(A), for cab offered by Caterpillar, when properly installed and maintained and tested with the doors and windows closed.

### Exterior Sound

- The labeled spectator sound power level measured according to the test procedures and conditions specified in 2000/14/EC is 104 dB(A).

## Dimensions

All dimensions are approximate.



Boom		Reach Boom 5100 mm			
		R2.25	R2.6	R2.9	R3.1
<b>Stick Type</b>					
Stick length	mm	2250	2600	2900	3100
<b>1</b> Shipping height	mm	2920	3020	3080	3160
<b>2</b> Shipping length	mm	8525	8545	8560	8560
<b>3</b> Tail swing radius	mm	2500	2500	2500	2500
<b>4</b> Length to centers of idler and sprocket	mm	3170	3170	3170	3170
<b>5</b> Track length	mm	3970	3970	3970	3970
<b>6</b> Ground clearance	mm	460	460	460	460
<b>7</b> Track gauge	mm	1990	1990	1990	1990
<b>8</b> Transport width					
500 mm shoes (optional)	mm	2490	2490	2490	2490
600 mm shoes (standard)	mm	2590	2590	2590	2590
700 mm shoes (optional)	mm	2690	2690	2690	2690
<b>9</b> Cab height	mm	2870	2870	2870	2870
<b>10</b> Counterweight clearance	mm	1030	1030	1030	1030

## Operating Weights

Machine is equipped with One-piece boom and 0.93 m<sup>3</sup> bucket.

Weights will depend on final machine configuration.

Sticks		Medium 2250 mm	Long 2600 mm	Medium-long 2900 mm	Extra-long 3100 mm
500 mm triple grouser shoes	kg	16 675	16 710	16 775	16 800
600 mm triple grouser shoes	kg	16 900	16 935	17 000	17 025
700 mm triple grouser shoes	kg	17 150	17 185	17 245	17 275

# 315D L Hydraulic Excavator specifications

## Bucket Specifications

			Reach Boom 5100 mm							
			Without Quick Coupler			With Quick Coupler				
	Width	Capacity (ISO)	Weight*	2250 mm	2600 mm	3100 mm	Weight*	2250 mm	2600 mm	3100 mm
	mm	m <sup>3</sup>					kg			
Excavation (X)	600	0.38	466				678			
	750	0.52	505				714			
	900	0.65	567				744			
	1000	0.75	601				778			
	1100	0.84	633				810			
	1200	0.94	678				855			
	1300	1.03	710				886			
Extreme Excavation (EX)	1400	1.13	741				918			N
	1200	0.94	712				889			
	1300	1.03	745				922			
Maximum load in kg (payload plus bucket)				2512	2330	2120		2512	2330	2120

\* Bucket weight including penetration plus tips

- Max. Material Density 1200 kg/m<sup>3</sup>
- Max. Material Density 1500 kg/m<sup>3</sup>
- Material Density 1800 kg/m<sup>3</sup> and more
- N Not recommended

## Typical Material Densities

Clay, dry	1500	Rock/dirt, 50%	1720
Clay, wet	1660	Sand, dry	1425
Earth, dry	1510	Sand, wet	1700
Earth, wet	1600	Sand and clay	1600
Loam	1250	Stone, crushed	1600
Gravel, dry	1510	Top soil	950
Gravel, wet	2000		
Gravel, pit run	1930		

\* Kilograms per loose cubic meter

## Work Tools Matching Guide

When choosing between various work tool models that can be installed onto the same machine configuration, consider work tool application, productivity requirements, and durability. Refer to work tool specifications for application recommendations and productivity information.


Without quick coupler		315D L											
		500 mm shoes				600 mm shoes				700 mm shoes			
		mm	2250	2600	2900	3100	2250	2600	2900	3100	2250	2600	2900
Hammers	H115 S												
	H120C S												
Mechanical Pulverizers	P115												
	VMC-30												
Multiprocessor	MP15 CC		x	x	x		x	x	x		x	x	x
	MP15 CR		x	x	x		x	x	x		x	x	x
	MP15 PP	x	x	x	x	x	x	x	x	x	x	x	x
	MP15 PS	x	x	x	x		x	x	x		x	x	x
	MP15 S		x	x	x		x	x	x		x	x	x
Crusher	VHC-30		x	x	x		x	x	x		x	x	x
Pulverizer	VHP-30			x	x			x	x			x	x
Mechanical Shears	S115												
	VCS-35												
	VVC-25												
	VWS-25												
360° rotatable Shear	S325*												
Mechanical Grapple	G112			x	x			x	x				
Multi-Grapples	G310B-D												
	G315B-D			x	x			x	x			x	x
	G310B-R												
	G315B-R			x	x			x	x			x	x
Orange Peel Grapples	5 tines GSH15-400												
	4 tines GSH15-400												
	5 tines GSH15-500			x	x			x	x				
	4 tines GSH15-500												
	5 tines GSH15-600			x	x			x	x			x	x
	4 tines GSH15-600												
	5 tines GSH15-800	x	x	x	x	x	x	x	x	x	x	x	x
4 tines GSH15-800		x	x	x		x	x	x		x	x	x	
<b>With quick coupler</b>													
Quick Coupler	CW-30												
	CW-30S												
Hammers	H115 S												
	H120C S												
Pulverizer	VHP-30		x	x	x		x	x	x		x	x	x
Mechanical Shears	VCS-35												
	VVC-25												
	VWS-25												
Mechanical Grapple	G112		x	x	x		x	x	x			x	x
Multi-Grapples	G310B-D												
	G315B-D	x	x	x	x	x	x	x	x		x	x	x
	G310B-R												
	G315B-R	x	x	x	x	x	x	x	x	x	x	x	x

\* Boom Mounted

 360° Working Range

 Over the front only

 Available

 Maximum material density 1800 kg/m³

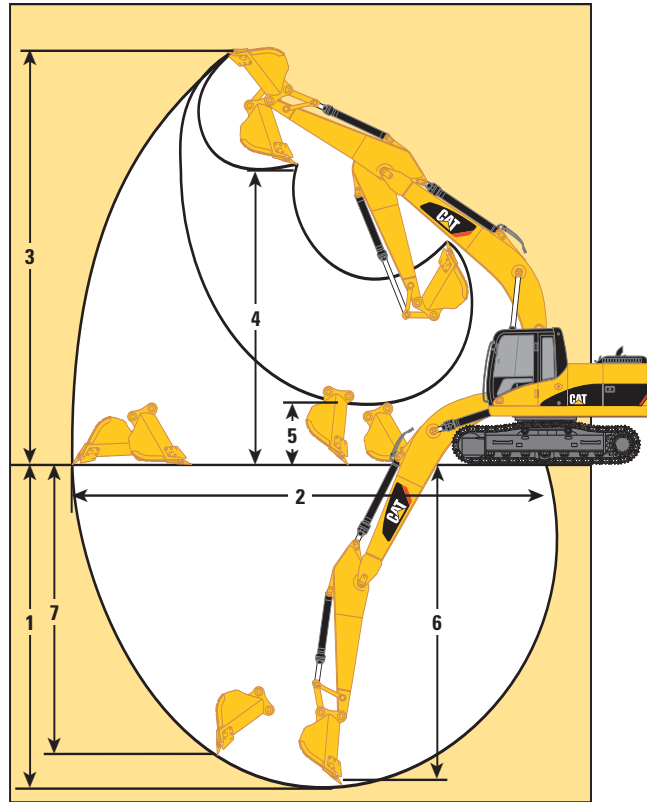
 Maximum material density 1200 kg/m³

 Not compatible

# 315D L Hydraulic Excavator specifications

## Reach Excavator Working Ranges

Reach (R) boom configuration. All measurements are approximate

















Stick Options		R2.25	R2.6	R2.9	R3.1
<b>Bucket – Long Undercarriage</b>	m <sup>3</sup>	<b>0.61</b>	<b>0.61</b>	<b>0.61</b>	<b>0.61</b>
<b>1</b> Maximum Digging Depth	mm	5720	6070	6370	6570
<b>2</b> Maximum Reach at Ground Level	mm	8430	8750	8960	9150
<b>3</b> Maximum Cutting Height	mm	8740	8920	8870	8970
<b>4</b> Maximum Loading Height	mm	6140	6310	6310	6400
<b>5</b> Minimum Loading Height	mm	2680	2330	2030	1830
<b>6</b> Maximum Depth Cut for 2.50 m Level Bottom	mm	5470	5840	6130	6340
<b>7</b> Maximum Vertical Wall Digging Depth	mm	4920	5350	5360	5550
Bucket Digging Force (ISO 6015)	kN	104	100	97	95
Stick Digging Force (ISO 6015)	kN	95	87	82	79















## Lift Capacities with One-piece Boom

All weights are in kg. Calculations are made without bucket, but with CW30 Quick Coupler. Lift capacities described in the tables below are calculated with 600 mm shoes. Other 500 mm and 700 mm shoe configurations are not included as they do not impact significantly the following data.















### Medium stick – 2250 mm Shoes – 600 mm

	1.5 m		3.0 m		4.5 m		6.0 m		7.5 m					
													m	
7.5 m					*3590	*3590						*3300	*3300	4.59
6.0 m							*3130	*3130				*2870	*2870	6.06
4.5 m					*4600	*4600	*4250	3260				*2760	2560	6.91
3.0 m			*8970	8920	*5850	4830	*4760	3130				*2810	2250	7.35
1.5 m					*7150	4490	4840	2980				*3020	2140	7.47
0 m			*5870	*5870	7320	4280	4710	2870				*3430	2180	7.29
-1.5 m	*5590	*5590	*8250	7820	7240	4210	4660	2820				3940	2400	6.76
-3.0 m	*7820	*7820	*9540	7960	*7250	4260						4960	3010	5.8
-4.5 m			*7370	*7370								*5270	5100	4.12















### Long stick – 2600 mm Shoes – 600 mm

	1.5 m		3.0 m		4.5 m		6.0 m		7.5 m					
													m	
7.5 m												*2740	*2740	5.1
6.0 m							*3540	3350				*2430	*2430	6.45
4.5 m					*4200	*4200	*3970	3300				*2340	*2340	7.25
3.0 m			*7990	*7990	*5460	4900	*4520	3160	*3190	2200		*2390	2100	7.68
1.5 m			*6150	*6150	*6850	4540	4860	3000	3450	2130		*2550	2000	7.8
0 m			*6360	*6360	7340	4290	4720	2870	3390	2070		*2880	2030	7.62
-1.5 m	*5210	*5210	*8920	7770	7220	4190	4640	2800				*3490	2220	7.11
-3.0 m	*8120	*8120	*10180	7880	7250	4210	4670	2830				4450	2700	6.21
-4.5 m			*8390	8150	*5560	4390						*5210	4160	4.68

### Medium-long stick – 2900 mm Shoes – 600 mm

	1.5 m		3.0 m		4.5 m		6.0 m		7.5 m					
													m	
7.5 m												*2480	*2480	5.4
6.0 m							*3430	3380				*2240	*2240	6.69
4.5 m							*3710	3310				*2190	*2190	7.47
3.0 m			*7140	*7140	*5090	4930	*4280	3160	*3420	2190		*2250	2000	7.88
1.5 m			*8760	8250	*6530	4540	4850	2980	3430	2110		*2420	1900	7.99
0 m			*7170	*7170	7310	4260	4690	2830	3360	2040		*2750	1920	7.82
-1.5 m	*5240	*5240	*8560	7650	7160	4130	4600	2750				*3350	2080	7.33
-3.0 m	*7680	*7680	*9470	7730	7160	4130	4600	2760				4140	2500	6.46
-4.5 m	*8790	*8790	*9040	7980	*6100	4270						*5260	3690	5.01

### Extra-long stick – 3100 mm Shoes – 600 mm

	1.5 m		3.0 m		4.5 m		6.0 m		7.5 m					
													m	
7.5 m												*2260	*2260	5.67
6.0 m							*3290	*3290				*2050	*2050	6.91
4.5 m							*3550	3330	*2450	2260		*2000	*2000	7.66
3.0 m			*6610	*6610	*4860	*4860	*4140	3180	*3480	2200		*2060	1930	8.07
1.5 m			*10290	8380	*6340	4580	*4860	3000	3440	2110		*2210	1830	8.18
0 m			*7410	*7410	7340	4290	4700	2840	3360	2040		*2500	1840	8.01
-1.5 m	*5020	*5020	*8770	7670	7170	4140	4590	2750	*3220	2000		*3020	1990	7.53
-3.0 m	*7730	*7730	*9570	7720	7150	4120	4580	2740				3920	2370	6.69
-4.5 m	*8760	*8760	*9480	7940	*6410	4240						*5140	3370	5.3



Load Point Height



Load Radius Over Front



Load Radius Over Side



Load at Maximum Reach

\* Limited by hydraulic rather than tipping load.

The above loads are in compliance with hydraulic excavator lift capacity ratings standard ISO 10567, they do not exceed 87% of hydraulic lifting capacity or 75% of tipping capacity. Weight of all lifting accessories must be deducted from the above lifting capacities.

# 315D L Standard Equipment

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

## ELECTRICAL

50 A alternator  
Light, storage box (one)  
Signal/warning horn (front)  
Water level indicator  
Single converter (7 A / 12 V)

## OPERATOR ENVIRONMENT

Openable front windshield with assist device  
Bolt-on FOGS capability  
Monitor  
    Full graphic and full color display with language capability  
    Warning information, filter and fluid change information  
    Working hour information  
    Economy mode selection (Password protection capability)  
    Machine condition, error code and tool mode setting information  
    Start up level check for hydraulic oil, engine oil and engine coolant  
    Full time clock on monitor (No less than one week)  
Openable skylight  
Pillar mounted windshield wiper  
Adjustable armrest  
Interior lighting  
Coat hook  
Ashtray with lighter  
Literature holder

Utility space for magazines  
Beverage holder  
Storage compartment suitable for lunch box  
Neutral lever lock out for all controls  
Two travel control pedals with removable hand levers  
Radio Mounting (DIN size)  
Cab with tempered windows  
Joystick 4 buttons  
Seat, high back with mechanical suspension  
Seat belt (51 mm wide)  
Wiper for lower windshield  
Start switch panel  
Floor mat  
Air conditioner with swing-out condenser  
Sun visor  
Storage compartment cover radio mounting 12 V

## POWER TRAIN

Cat C4.2 ACERT Diesel engine with 24 V electric starting and air intake heater  
2300 m altitude capability  
Radial seal air filter  
Automatic engine speed control with one touch low idle  
Secondary engine shutoff switch  
Water separator in fuel line  
Two speed auto-shift travel motors  
Straight line travel

## UNDERCARRIAGE

Hydraulic track adjusters  
Track type undercarriage with grease lubricated seals  
Idler and center section track guiding guards  
500 mm shoes

## OTHER STANDARD EQUIPMENT

Waved fin radiator  
Capability of stackable valve for main valve (Maximum three valves)  
Capability of additional auxiliary pump and circuit  
Door locks and caps locks and Caterpillar one key security system  
Mirrors (frame right, cab left)  
Automatic swing parking brake  
Counterweight with lifting eye  
Product Link ready  
Boom, one-piece  
Boom Lowering Control device  
Instruction book  
New machine certificate

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

## OPERATOR ENVIRONMENT

Joystick thumb wheel  
 Tool modulation pedal  
 Foot switch  
 Air suspended seat with heater  
 Floor mat for left hand pedal configuration  
 Cab rain protector

## ELECTRICAL

Electric refueling pump  
 Working lights, cab mounted  
 Timer delay  
 Alarm travel  
 Light boom (right side)  
 Cold weather starting

## TRACKS

600 mm track shoes  
 700 mm track shoes  
 Track guiding guards

## FRONT PARTS

Sticks  
 3100 mm (Extra Long)  
 2900 mm (Long)  
 2600 mm (Medium)  
 2250 mm (Short)  
 Bucket linkage  
 Stick Lowering Control device  
 Pin grabber with pins  
 Pin grabber without pins  
 Spare pins for pin grabber

## HYDRAULICS

High pressure Combined function system  
 Medium pressure system  
 Initial circuit  
 Boom auxiliary lines  
 Boom medium pressure lines  
 Boom quick-coupler lines  
 Stick auxiliary lines  
 Stick medium pressure lines  
 Stick quick-coupler lines  
 Control and lines for Quick Couplers

## GUARDS

Bottom guards, heavy duty  
 Swivel guard

## FOGS

## OTHERS

Engine without EPA label  
 Product link PL321SR  
 Antifreeze, -50° C  
 Special packings





# 315D L 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 photos may include additional equipment. See your Caterpillar dealer for available options.

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