315B L
Hydraulic Excavator

Cat® 3054 TA engine	
Gross power	84 kW/113 hp
Flywheel power	80 kW/107 hp
Operating weight range	16 700 to 17 800 kg
Travel speed	5.5 km/h
Drawbar pull	132 kN

315B L Hydraulic Excavator

Improved performance and rugged durability combine to maximize productivity.

Operator Station

✔ *Roomy and quiet with ergonomic control placement has excellent sightlines to the work area* to help keep operator fatigue low and production up throughout the entire shift. Optional climate control maintains constant temperature in the cab in both hot and cold weather. **pg. 4-5**

Maestro Electronic Control System

Maximizes fuel efficiency and performance by maintaining the optimum balance between engine speed and hydraulic demand. **pg. 6**

Engine

The 315B L is powered by the Cat 3054 TA engine which complies with current worldwide emissions requirements. This engine includes several design features which enhance performance, efficiency and reliability. **pg. 7**

Improved performance.
Better controllability, higher stick and bucket forces, increased lift capacity, simplified service and a more comfortable operator station increase your productivity and lower your operating costs.

Hydraulics

✔ *New higher pressure Caterpillar® hydraulics provide increased break-out and crowd forces to maximize bucket loads and decrease cycle times.* The Cat Maestro Electronic Control System allows smooth, efficient operation. **pg. 8**

Undercarriage

Cat designed excavator undercarriage is stable, durable and low maintenance.

✔ *New smoother track roller frames are easier to clean.* **pg. 10**

Booms, Sticks and Attachments

Two booms and four sticks are available to meet your needs. 315B L offers several combinations of reach and digging forces for optimum versatility. **pg. 12**

Serviceability

✔ *Simplified service through many ground level service points, improved filtration and filter access, and electronic diagnostics means increased productivity.* **pg. 9**

Structures

Caterpillar design and manufacturing techniques assure outstanding durability and service life from these important components. **pg. 11**

Buckets and Teeth

A wide variety of bucket types with aggressive bucket designs take advantage of the 315B L's higher digging forces to improve productivity. **pg. 13**

Cat '5 Star Customer Service'

Turns your investment into profit, from purchase to resale through:

- Equipment Management Services for optimum profit
- Maintenance Services for equipment protection
- Predictive Services for optimum machine availability
- Reconditioning Services for lower repair cost
- Your Caterpillar dealer parts support for satisfaction and peace of mind

pg. 14

✔ *New feature*

Operator Station

Designed for comfort and ease of operation.

This operator work station is quiet with ergonomic control placement and convenient adjustments, low lever and pedal effort, ergonomic seat design, and highly efficient ventilation.
The result is a cab that puts the operator firmly and comfortably in control to enhance productivity.

Excellent viewing area through large, wide windows. A large skylight provides upward visibility. The upper front window features a top mounted parallelogram wiper to provide unobstructed front viewing. The front window is also flat for easy service replacement. The upper left side door window can slide open. The lower window provides visibility to the tracks and the ground next to the machine. The rear window offers a good view behind and to the left, aided by a lower hood profile.

Greater control convenience.
Each of the controls is positioned within easy reach of the operator.

The double wall, pressed cab shell is mounted to the swing frame using butyl mounts for reduced sound and vibrations.

1 **Caterpillar Maestro Electronic Control System panel** includes fuel level, hydraulic oil temperature and engine temperature gauges, machine condition indicators, and operator controls in a single console (refer to Maestro Electronic Control System on page 6).

2 **Optional automatic climate control** maintains constant temperature in the cab in both hot and cold weather conditions and, at the touch of a switch, the operator can choose between fresh or recirculated air.

3 **Joysticks control all implements** and swing functions with minimal effort. All electrical provisions are standard for easy retro-fit of auxiliary circuits. This includes two switches on each joystick. The integrated joystick consoles adjust to operator preference. Joystick consoles are suspended as part of the seat arrangement.

4 **Dial throttle** with ten settings for simple, precise repeatable engine speed adjustment.

5 **Hand or foot actuated travel controls** allow the operator to move the excavator while working the boom, stick and bucket. Hand levers are easily removable.

6 **Hydraulic activation control lever** deactivates hydraulic functions and prevents start-up when the operator exits the cab.

7 **The fully adjustable suspension seat (standard)** includes an impressive range of comfort features. In addition to fore/aft height and weight adjustments, it also offers wide arm support, headrest and a retractable seat belt.

Electronic Control System

The Electronic Control System manages the engine and hydraulics for maximum performance.

Maestro Electronic Power Unit Control System controls state-of-the-art hydraulics and engine performance for maximized productivity, increased fuel efficiency, and lower emission and sound levels.

Electronic Engine Underspeed Control balances engine and hydraulic output for maximum performance and fuel efficiency.

- It adjusts hydraulic pump output to maintain engine rpm in optimum range.
- 100 percent of engine hydraulic power is available for the hydraulic system.

Operator control panel allows optimization of performance in all applications. The high contrast back-lit liquid crystal display includes:

1 Power Mode Selector changes engine power and speed at the touch of a switch.
- **Economy Mode** sets engine power at 90 percent and is used during normal and utility operations to reduce fuel consumption and sound levels.
- **Power Up Mode** sets engine power at 100 percent for high production truck loading, trenching and high speed travel.

2 Automatic Engine Speed Control (AEC) reduces engine speed to 1300 rpm during light-load or no-load applications when activated. A switch on the right joystick control lever engages the low idle function reducing engine speed to 1100 rpm. Press again to return to previous setting.

Work Mode Selector matches hydraulic characteristics to the application.

3 Boom Priority Mode gives priority flow to the boom for deep trenching and same level truck loading, where there is significant boom movement relative to swing.

4 Swing Priority Mode gives swing flow priority and is especially suited to extreme swing angle loading.

5 Fine Control Mode optimizes hydraulic pump output for applications like slope finishing or precision lifting which require smoother control.

6 User Mode allows the operator to choose from three submodes:
- **Tamping Mode** adjusts boom speed and force to keep machine motion at a minimum when compacting material with the bucket.
- **Hammer Mode** allows pump flow and hydraulic pressure adjustments to enhance hammer effectiveness.
- **Customer Mode** allows a customized combination of a work mode, power mode, and hydraulic output to be selected, recorded, and recalled for later use.

Machine monitoring system uses a progression of indicators, action lamps, and alarms to inform the operator of machine conditions.

Service Level Mode of the Electronic Power Unit Control delivers fast, detailed diagnosis of machine conditions improving uptime (refer to Serviceability on page 9).

Diagnostic functions primarily intended for service technicians provide a swift electronic scan of the Maestro Electronic Control System from troubleshooting to testing. Rapid diagnosis helps maximize uptime to reduce operating costs.

Cat 3054 TA Engine

A compact high performance power plant that's economic with your fuel.

The 3054 TA Engine. Fuel economy at its best. It features a high thermal efficiency and reduced friction resistance between piston and liners.

Engine emissions and sound levels meet or are superior to current EC regulations, setting a new standard in this size class.

This engine is designed for high torque rise at middle rev/min which is suited to excavator applications.

New materials and new technologies are used to help ensure excellent reliability and durability.

Designed to be as compact as possible while maintaining high performance and excellent response.

Automatic Engine Speed Control (AESC) provides optimum fuel efficiency, lower engine sound levels plus helps increase engine service life (see page 6).

Enhanced gear-driven water pump improves the cooling efficiency. The enlarged impeller increases water flow throughout the engine.

Helical porting in cylinder heads for input swirl – conditioned air ensures more complete combustion.

Closed crankcase ventilation to eliminate oil spillage and contamination.

Cast-iron cylinder block and integral crankcase are improved to reduce vibration and increase engine durability.

Hydraulics

Caterpillar hydraulics deliver power and control to keep material moving at high volume.

Dramatically increased control responsiveness aids operation and improves cycle time.

- Control movements better matched to hydraulic action for improved operator performance.
- Improved swing damping restrains drift and improves positioning during finishing and lifting applications.

Full-time nine percent increase in hydraulic relief pressure increases stick and bucket forces for better productivity, provides nine percent higher lift capacity (at lifting points limited by hydraulic pressure) and a wider range of workable material.

Hydraulic cross-sensing system improves productivity with faster implement speeds and quicker, stronger pivot turns.

- 100 percent of engine horsepower deliverable as hydraulic power.
- Full power to a single motor for strong, fast turns. Balanced power to two pumps for straight travel.

Boom regeneration circuit diverts oil to lower the boom. Flow from the pumps can be directed to other circuits, saving energy.

Stick regeneration circuit diverts oil to assist stick-in operation. Flow from the pumps can be directed to other circuits, saving energy.

Fine swing control cushions swing start and stop for better implement control.

Pump flow decreases when controls are in neutral for reduced fuel consumption and sound.

Auxiliary hydraulic valve is standard on the 315B L for use with optional hydraulic circuits.

Hydraulic cylinder snubbers at rod-end of boom cylinders and both ends of stick cylinders cushion shocks, reduce sound and increase cylinder life.

Cat's XT hose meets the critical flexibility and strength demands of the 315B L.

- O-ring face seal couplings provide positive sealing for reliable, leak-free connections.

Caterpillar Hydraulic oil offers maximum protection against rusting, mechanical and corrosive wear in all hydraulic systems.

Bio-degradable hydraulic oil can be used in the 315B L where desired.

Scheduled Oil Sampling allows for scheduled replacement or repair of components before the machine is stopped because of a major breakdown.

Serviceability

Simplified service and maintenance features save you time and money.

Fast, easy maintenance means improved uptime and better value.

Ground level service points
for fuel-water separator, engine oil filter, battery, radiator fluid level, window washer fluid level and pilot system filter.

Filters and filter locations
make maintenance easier.

- Encapsulated hydraulic oil filter is outside hydraulic tank. This new design avoids spills and hydraulic system contamination during replacement. Indicator in cab signals when the filter needs to be replaced, extending filter service life.
- Radial seal air cleaner has double layered filter core and built-in air precleaner for better filtration. No tools required to change. Operator is alerted to need for filter change.
- Engine oil filter is repositioned for easier access.
- Pilot hydraulic system filter keeps contaminates away from the pilot system. This system includes a Scheduled Oil Sampling port to simplify sampling.
- Swing and travel motor filter removes contaminants, keeping them from returning to the tank.

Design and layout translate to ease of use.

- Front linkage pin puller holes promote easier disassembly of front linkage.
- Cotter pin retained track master pin simplifies disassembly and assembly.
- Steeper roller frame top plate reduces dirt buildup for easier cleaning.

Water separator removes water from fuel even when under pressure and is located in the battery compartment.

Remote greasing block on the boom and two grease points for the swing bearing deliver grease to hard to reach locations.

Maestro Electronic Power Unit Control has diagnostic capabilities for service technician's use. Dealer service technicians can quickly and easily diagnose and adjust machine components, maximizing uptime.

Undercarriage

Durable undercarriage absorbs stresses and provides excellent stability.

Precision robotic welding helps ensure quality welds. These welds increase rigidity, reduce internal stresses and enhance durability for the chassis and track roller frames.

Heavy-duty, modified X-shaped chassis design. Cat undercarriage components are purposely oversized to offer heavy-duty performance and durability.

Strutted track links are sealed for longer life. Track rollers, carrier rollers and idlers are also sealed and lubricated for excellent service life.

Smoother auto shifting two-speed travel motors offer top travel speeds and plenty of pull on slopes or turns.

The long (L) undercarriage maximizes stability and lifting capacity. Long and sturdy undercarriage offers a very stable work platform.

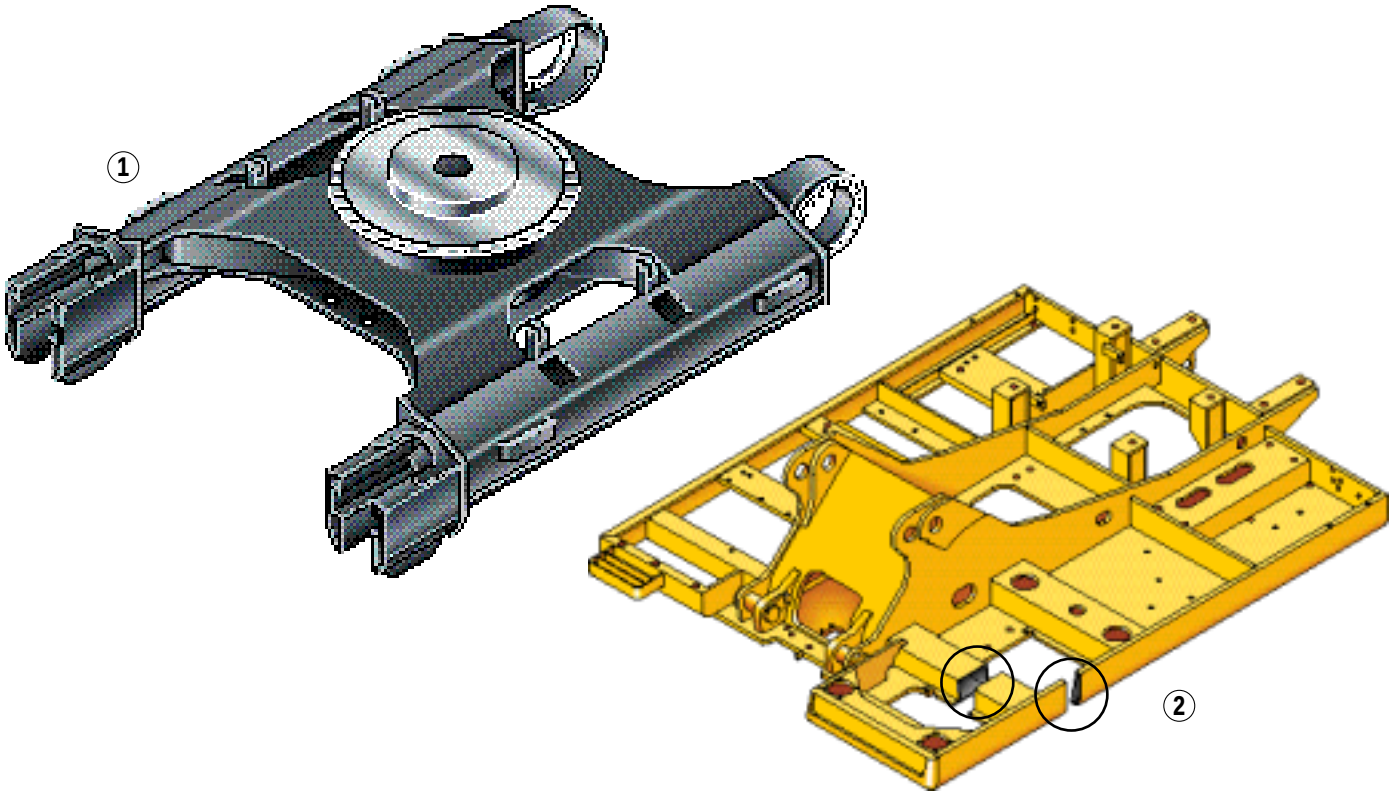
The elimination of the ledge at carbody and roller frame juncture reduces material build-up and makes digging out easier.

Standard idler guards maintain track alignment. Center section guards are equipped as standard for additional protection on side slopes.

Custom product arrangements are available. Consult your Caterpillar dealer for specifics.

Structures

The 315B L structural components are the backbone of the machine's durability.



1 Advanced carbody design stands up in the toughest applications.

- Modified X-shaped, box-section carbody provides excellent resistance to torsional bending.
- Upper structure weight and stresses are distributed evenly across the full length of the track roller frame.
- Smooth transitions and long welds reduce stresses at the carbody-to-roller frame junctions for excellent durability.
- Robotic welding ensures consistent, high-quality welds throughout the manufacturing process.

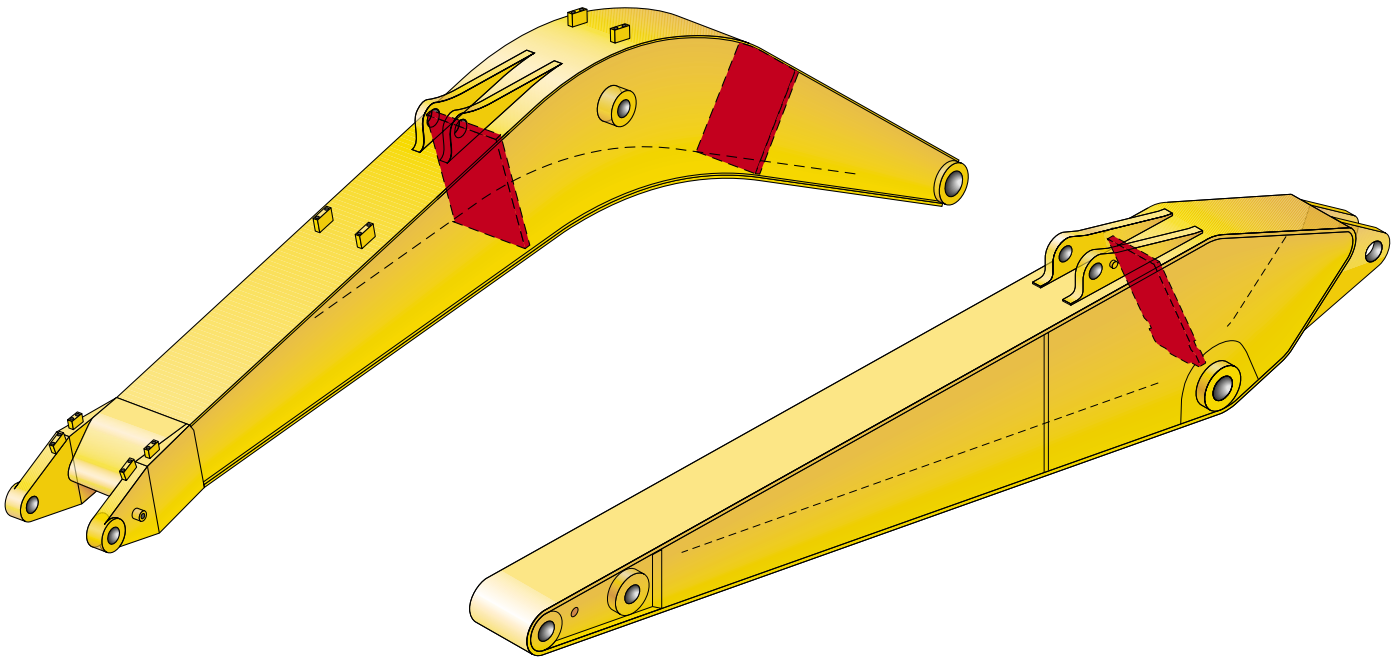
Robotic welded track roller frame pentagonal box section is press-formed to deliver exceptional strength and service life.

2 Rugged main frame is designed for maximum durability and efficient use of materials.

- Outer frame utilizes curved side rails, which are die-formed, for excellent uniformity and strength throughout the length.
- Box section channels improve upper frame rigidity under the cab.
- Inverted U-channels span the width of the main frame and are formed, rather than fabricated, for superior strength and reduced weight.
- Boom tower and main rails are constructed of solid, high-tensile strength steel plates.
- Boom foot and engine mount areas are reinforced for additional strength.

Booms, Sticks and Attachments

The 315B L has designed-in flexibility to help bring total solution for higher production and efficiency to your jobs.



Select the right combination for the job with your Cat dealer and you'll help ensure top production from the start.

Caterpillar excavator booms and sticks are built for performance and long service life.

- Castings and forgings are used at high stress areas such as boom nose, boom foot, boom cylinder and stick foot.
- Large, welded, box-section structures with thick, multi-plate fabrications in high-stress areas.
- Construction allows structures to flex and dissipate stresses.

The choice of two standard application booms and four sticks plus a wide selection of buckets and attachments, means the 315B L offers several combinations of reach and digging forces for optimum versatility.

One-piece boom for all standard applications.

Hydraulic Adjustable Boom (VA) for vertical wall digging, working near obstacles or in tight quarters. The variable geometry boom offers superb flexibility and versatility in the working envelope. With full extension the working range gives both maximum dig depth and reach above ground. Equally, when the VA boom is retracted, it can work closer to its tracks, increase lifting capacity and work in confined areas. All hydraulic adjustments to the VA boom angle can be made from the cab during a work cycle for true versatility. Contact your Cat dealer for further details.

Short stick for mass excavation and maximum breakout force bucket up to 1.0 m^3.

Medium stick for maximum versatility bucket up to 0.94 m^3

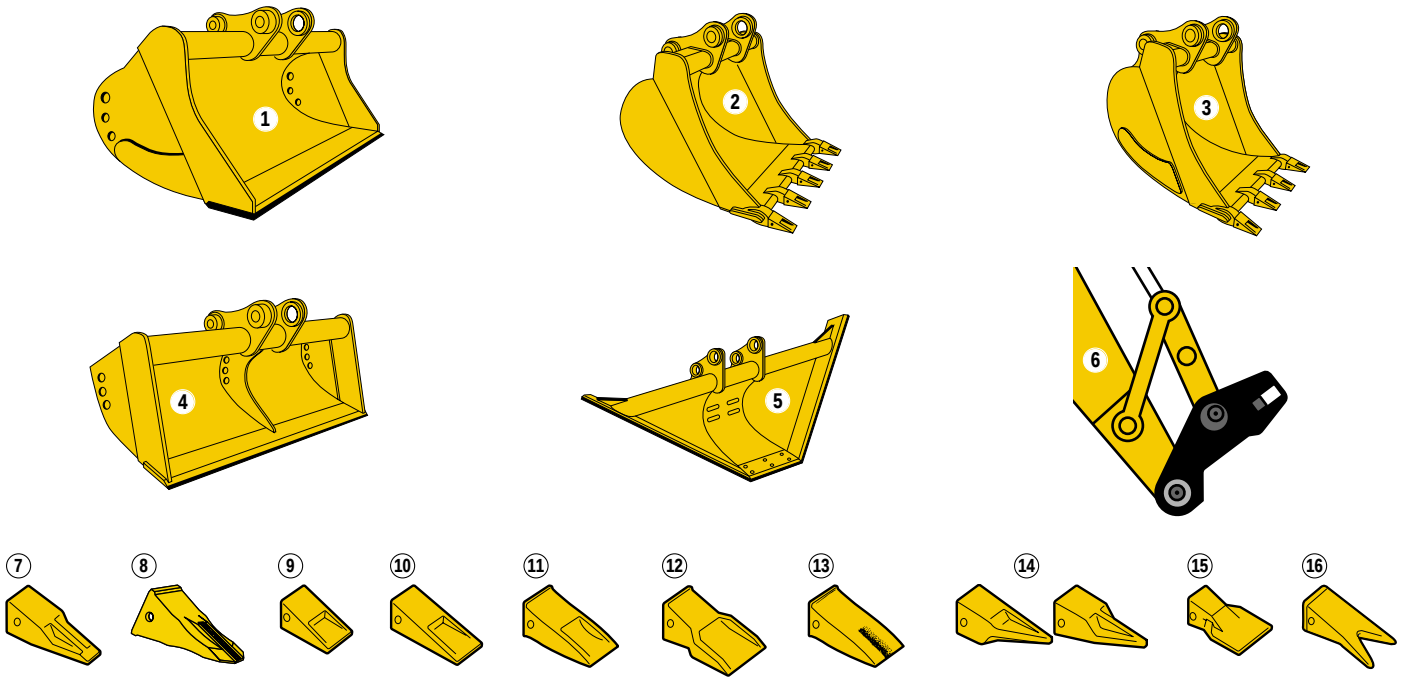
Long stick for all standard applications bucket up to 0.86 m^3

Extra long stick for maximum reach and digging depth bucket up to 0.68 m^3

Choose from a variety of work tools such as hammers, compactors, grapples or crushers. Ask your Cat dealer for information on attachments or special configurations.

Buckets and Teeth

A wide variety of buckets help optimize machine performance. Purpose designed and built to Caterpillar's high durability standards.



1 Utility. Demolition and construction bucket handles bricks and broken concrete, as well as trench filling, floor leveling and bank finishing.

2 Excavation. Digs and loads soft to medium materials such as clay and earth. Features weld on tip adapters, hardened cutting edge and side bars.

3 Extreme Excavation. Digs and loads compact/abrasive materials like earth/rock, sand/clay, sand/gravel, coal, chalk and low abrasion ores. Features bigger ground engaging tools, plus abrasion resistant steel for all wear parts.

4 Ditch Cleaning (DC). Wide, light bucket used mainly with long reach configurations to clean water beds and banks.

5 Trapezoidal (T). To prepare and maintain small irrigation ditches. Features angled sides to shape ditch banks in one operation.

6 All Cat buckets can be fitted for Caterpillar Quick Coupler.

Tip selection

7 Penetration

8 Penetration Long Life

9 Short

10 Long

11 Heavy Duty Long

12 Heavy Duty Abrasion

13 Heavy Duty Long Life

14 Sharp / Corner Sharp

15 Wide

16 Twin Sharp

Cat '5-Star Customer Service'

Your Cat 315B L comes with something unique: Cat '5-Star Customer Service' from your Cat dealer.

Cat '5-Star Customer Service' means peace of mind from the minute you contact your Cat dealer.
By building a partnership with your Cat dealer, you can focus on your business instead of your equipment. Cat '5-Star Customer Service' brings together all the products, services and people from Caterpillar and the Cat dealer network and puts them firmly behind you. Count on them to help you maintain your competitive edge.

Cat '5-Star Customer Service' includes Equipment Management Services to help you make a better business decision.
We'll assist you in selecting the right Cat equipment to suit your need, to optimize productivity. And we'll help you make smarter decisions, assist you with machine selection, purchasing or renting options, financing, and projected owning and operating costs.

Maintenance Services that enable you to maximize machine availability and performance. Every Cat dealer has a wide choice of maintenance products and services to make sure your equipment achieves maximum performance for the lowest possible cost.

Predictive Services to anticipate problems. By anticipating potential problems and preventing unscheduled repairs, Cat Predictive Services make sure that your equipment is always up and ready to run – because maximizing uptime means maximum earning capacity.

Reconditioning Services for a wider choice of repair alternatives.
Caterpillar factory-reconditioned parts and components get your equipment back on the job in the minimum of time and with lower repair costs, contributing to reduced operating costs and a more efficient operation.

Off-the shelf availability of genuine Cat parts. Genuine parts, together with highly experienced, Cat-trained specialists make sure every repair is right first time and your machine is back earning its keep in the shortest possible time.

"Cat '5-Star Customer Service' is our commitment to combine outstanding equipment and services to give you the most cost effective solutions for your business."

Caterpillar and Cat dealers

Engine

Caterpillar 3054 TA turbocharged and aftercooled diesel engine.

Ratings at 2100 rpm	kW	hp
Gross power	84	113

The following ratings apply at 2100 rpm when tested under the specified standard conditions for the specified standard:

Net power	kW	hp
ISO 9249	80	107
EEC 80/1269	80	107

Dimensions

Bore	100 mm
Stroke	127 mm
Displacement	3.99 liters

Power rating conditions

- based on standard air conditions of 25°C and 99 kPa dry barometer
- used 35° API gravity fuel having an LHV of 42 780 kJ/kg when used at 30°C (ref. a fuel density of 838.9 g/liters)
- 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

Features

- fuel injectors control fuel delivery more efficiently, resulting in better performance, fuel economy, and reduced noise and smoke
- 24-volt electric system with 55-amp alternator and two 100-amp h batteries
- low profile, heat-resistant, aluminum alloy pistons
- precision cast cylinder head with helical intake ports
- one-piece, induction hardened forged alloy crankshaft

Steering

Two rocker pedals with detachable hand levers control steering and travel functions.

Controls

- controls are pilot-operated for reduced efforts
- left pedal and lever control left track; right pedal and lever control right track
- when idlers are in front, pushing both pedals or levers forward moves the excavator straight ahead
- when the idlers are in front, rocking both pedals or pulling both levers backward moves the excavator straight back
- moving one pedal or lever more than the other, either forward or backward, results in a gradual turn
- moving one pedal or lever forward and the other pedal or lever backward counter-rotates the tracks for spot turns

Swing Mechanism

Hydrostatic with independent planetary reduction.

Ratings

Swing Torque	39.1 kNm
Swing Speed	10.1 rpm

Features

- the swing mechanism is driven by a pinion gear sealed in a grease bath through a double-reduction planetary gear set
- swing priority and fine control capability are available as work modes
- Standard Fine Swing Control smooths out starts and stops

Cab/FOGS

Bolt-on Falling Object Guard System (FOGS) is available as an attachment.

Cab Certifications

Optional Falling Object Guard System is designed to protect the operator from falling objects, and is certified under ISO 3449/1992 specifications.

Note

The operator sound level meets 89/662 EEC requirements, and is 72 dB(A), when measured following the ISO 6394/1985 standard.

Drive

Drive system is fully hydrostatic.

Ratings

Maximum drawbar pull	131 kN
Maximum travel speed	5.5 km/h

Features

- each track is driven by one independent, automatic shifting, two-speed axial piston motor via integral planetary final drives
- each drive module is well integrated into the roller frame for total protection

Hydraulic System

Two variable displacement, axial-piston pumps power the boom, stick, swing, bucket, auxiliary and travel circuits. One single-section, gear-type pump powers the pilot circuit.

Main Implement System

Maximum flow	2 x 132 liters/min
Maximum pressure	
Implements	34 300 kPa
Travel	34 300 kPa
Swing	23 000 kPa

Pilot System

Maximum flow	18 liters/min
Maximum pressure	4000 kPa

Cylinders, Bore and Stroke

Boom (2)	110 x 1193 mm
Stick (1)	120 x 1131 mm
Bucket (1)	100 x 1048 mm

Features

- main hydraulic pumps are electronically controlled and dependent on engine speed
- power modes match hydraulic output to application severity
- work modes match hydraulic characteristics to the application
- standard auxiliary hydraulic valve
- boom and stick regeneration system
- Caterpillar XT hose

Implement Controls

Two joystick hand levers actuate boom, stick, bucket and swing (SAE pattern).

Boom/Bucket Controls (right joystick)

- move forward and backward to lower and raise boom
- move left and right to control bucket curl and dump
- button on top is one-touch low idle

Stick/Swing Controls (left joystick)

- move forward and backward to move stick out and in
- move left and right to control direction of swing
- button on top controls horn

Other Features

- oblique movement of either lever operates two functions simultaneously
- manually applied lever on left console cuts off pilot pressure for joysticks and travel controls and electrical power for engine starting circuit

Attachments

- hammer is activated by auxiliary pedal or switch on right side joystick
- auxiliary hydraulic lines are activated by auxiliary pedal
- medium pressure hydraulic lines are activated by switch on left side joystick
- blade is activated by switch on right side joystick

Brakes

Service and parking brake features

- wet, multiple-disc brakes are used on the final drive input shafts
- spring-applied, hydraulically released
- actuating a travel control simultaneously releases the brakes
- when the controls are released, the brakes automatically apply

Undercarriage

Caterpillar designed and built track-type undercarriage.

Track width*	Ground Pressure
500 mm triple grouser	44 kPa
600 mm triple grouser	38 kPa
700 mm triple grouser	32 kPa

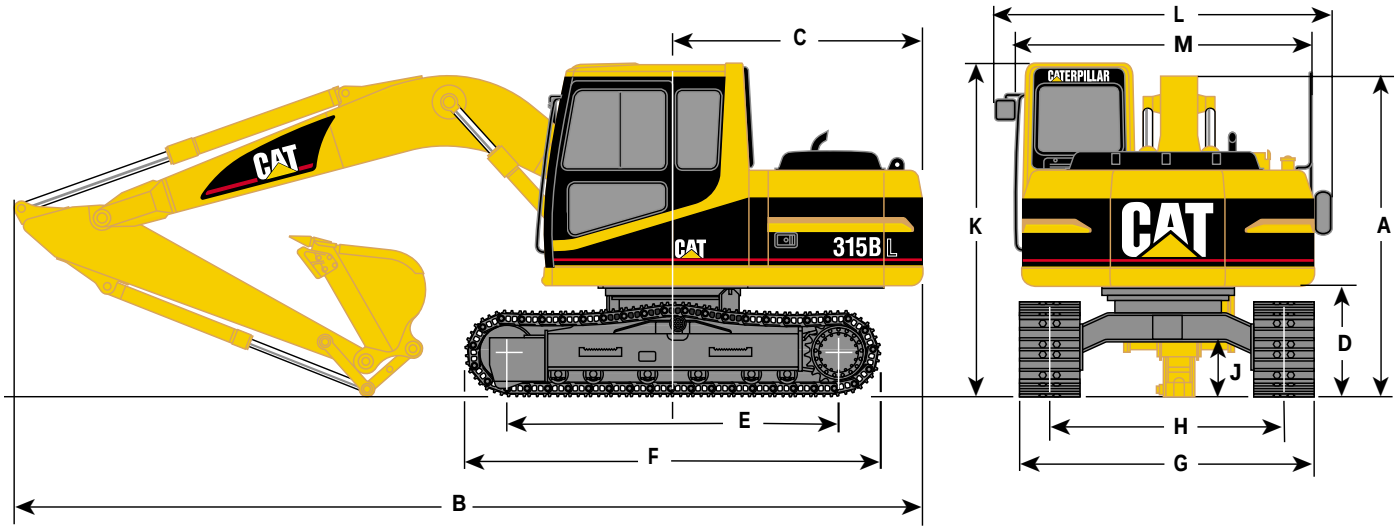
* Custom product undercarriage are available Consult your Caterpillar dealer for specifics.

Service Refill Capacities

	Liters
Fuel Tank	280
Cooling System	24.4
Engine Oil	8.5
Swing Drive	3
Final Drive (each)	2.6
Hydraulic system (including tank)	188
Hydraulic tank	105
Optional additional Fuel Tank	80

Dimensions

All dimensions are approximate.



		mm
A	Shipping height (with bucket)	
	Short stick	2700
	Medium stick	2920
	Long stick	2870
	Extra long stick	3210
B	Shipping length	
	Short stick	8401
	Medium stick	8417
	Long stick	8417
	Extra long stick	8430

		mm
C	Tail swing radius	2430
D	Swing ground clearance	1010
E	Length to centers of rollers	3170
F	Track length	3960
G	Shipping width shoes of 500 mm	2490

		mm
H	Track gauge	1990
J	Ground clearance	460
K	Cab height	3000
L	Overall width with mirrors installed	2820
M	Shipping width upper frame	2550

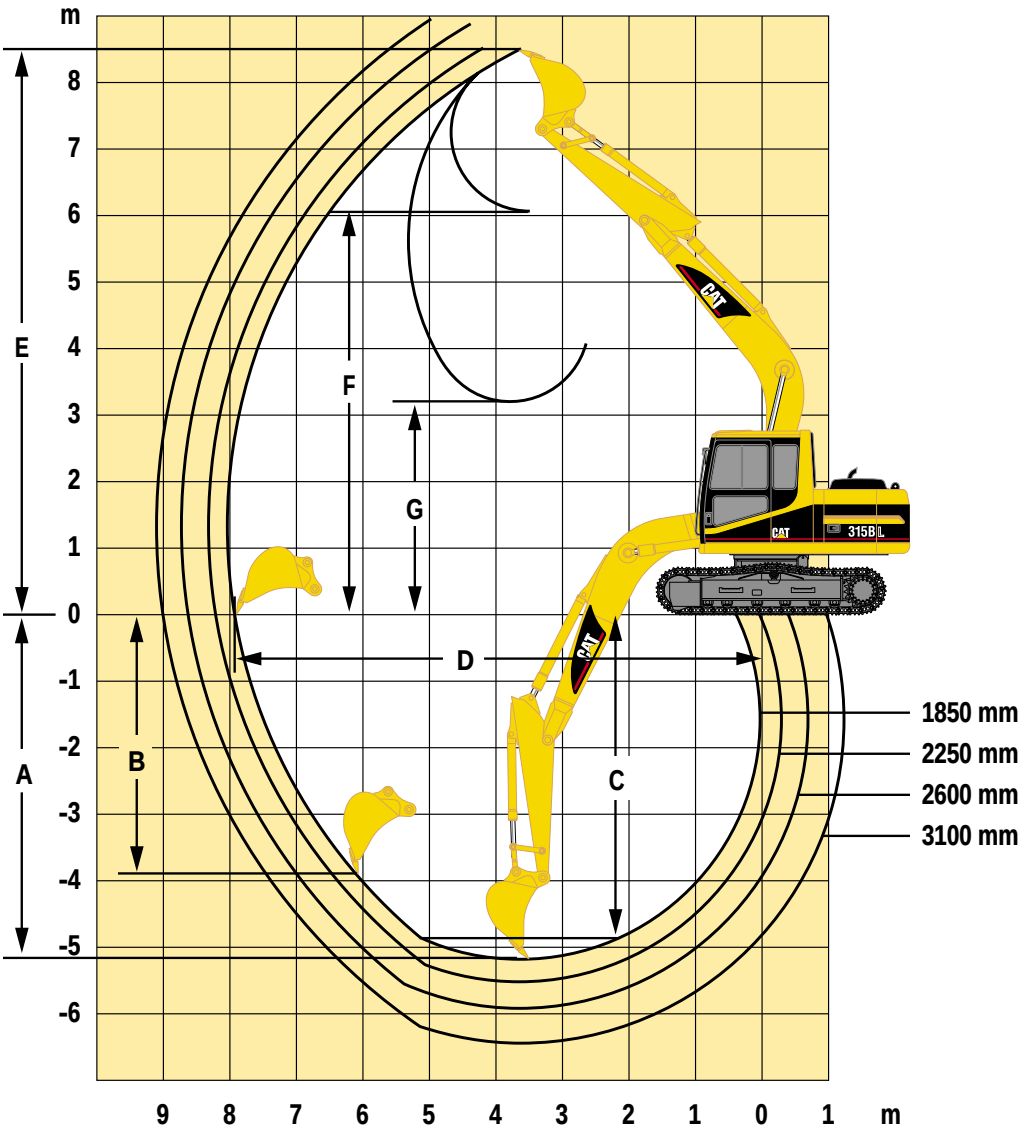
Machine Weights

Machine is equipped with One-piece boom and 850 mm/0.56 m^3 bucket.
Weights will depend on final machine configuration.

	Short stick kg	Medium stick kg	Long stick kg	Extra long stick kg
500 mm triple grouser	16 700	16 770	16 840	16 930
600 mm triple grouser	16 960	17 030	17 100	17 190
700 mm triple grouser	17 220	17 290	17 360	17 450

Working Ranges

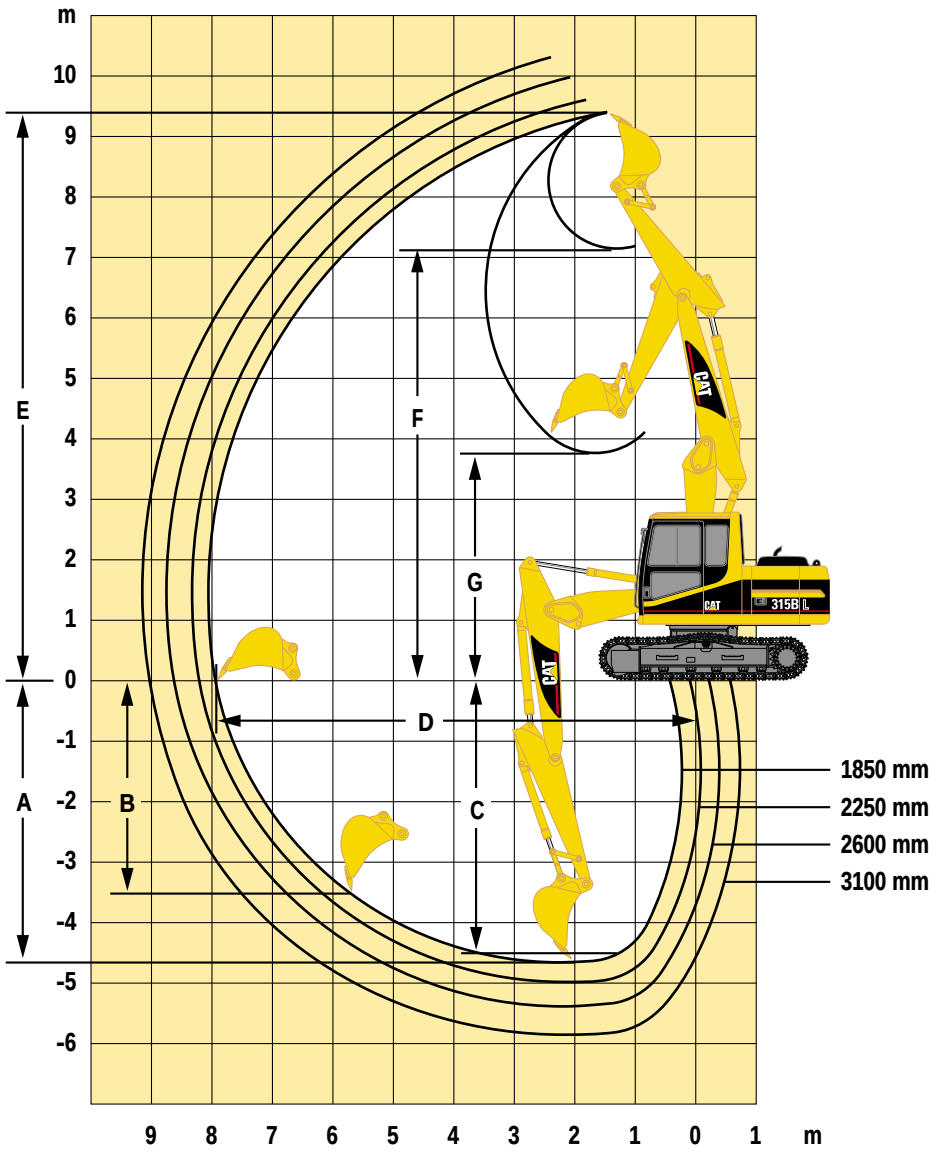
With One-piece boom



Stick – Choice of four	1850 mm	2250 mm	2600 mm	3100 mm
A Maximum digging depth	5185 mm	5585 mm	5935 mm	6435 mm
B Maximum vertical wall digging depth	3893 mm	4037 mm	4866 mm	5042 mm
C Maximum digging depth at 2440 mm flat floor	4875 mm	5273 mm	5691 mm	6191 mm
D Maximum reach at ground level	7927 mm	8211 mm	8627 mm	9023 mm
E Maximum cutting height	8498 mm	8510 mm	8892 mm	8964 mm
F Maximum loading height	6050 mm	6076 mm	6436 mm	6520 mm
G Minimum loading height	3209 mm	2823 mm	2459 mm	1960 mm
Digging forces:				
Stick	95 kN	87 kN	79 kN	70 kN
Bucket	122 kN	102 kN	102 kN	102 kN
Bucket Tip Radius	1.31 m	1.31 m	1.31 m	1.31 m

Working Ranges

With Hydraulically Adjustable Boom (VA)



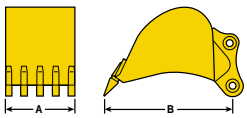
Stick – Choice of four	1850 mm	2250 mm	2600 mm	3100 mm
A Maximum digging depth	4648 mm	5005 mm	5387 mm	5842 mm
B Maximum vertical wall digging depth	3523 mm	3750 mm	4281 mm	4640 mm
C Maximum digging depth at 2440 mm flat floor	4514 mm	4879 mm	5268 mm	5731 mm
D Maximum reach at ground level	7905 mm	8207 mm	8619 mm	9030 mm
E Maximum cutting height	9382 mm	9621 mm	9990 mm	10 319 mm
F Maximum loading height	7113 mm	7246 mm	7716 mm	7965 mm
G Minimum loading height	3764 mm	3502 mm	3077 mm	2612 mm

Bucket Specifications

Contact your Caterpillar dealer for special bucket requirements.

		Excavation						Extreme Excavation				
A Bite width	mm	600	750	850	1000	1200	1300	600	750	850	1000	1200
B Tip radius	mm	1310	1310	1310	1310	1310	1340	1310	1310	1310	1310	1310
Capacity	m^3	0.35	0.47	0.56	0.68	0.86	0.93	0.35	0.47	0.56	0.68	0.86
Weight	kg	380	410	450	510	580	620	385	430	470	525	595
Number of teeth		3	3	4	4	5	6	3	3	4	4	5

		Trapezoidal		Ditch Cleaning		
A Bite width	mm	500	500	1600	1800	2000
SAE rated capacity	m^3	0.38	0.51	0.33	0.37	0.41
Weight	kg	335	395	350	380	440
Slope Ratio		45°	34°	–	–	–



Recommended Maximum Material Density

		Excavation						Extreme Excavation				
Width	mm	600	750	850	1000	1200	1300	600	750	850	1000	1200
Capacity	m^3	0.35	0.47	0.56	0.68	0.86	0.93	0.35	0.47	0.56	0.68	0.86
Weight	kg	380	410	450	510	580	620	385	430	470	525	595
Short stick	kg/m^3	1800	1800	1800	1800	1800	1500	1800	1800	1800	1800	1800
Medium stick	kg/m^3	1800	1800	1800	1800	1800	1500	1800	1800	1800	1800	1800
Long stick	kg/m^3	1800	1800	1800	1800	1500	1200	1800	1800	1800	1800	1500
Extra long stick	kg/m^3	1800	1800	1800	1800	1200	1200	1800	1800	1800	1800	1200

Material Densities

	*kg/m^3		*kg/m^3
Clay, dry	1500	Gravel, pit run	1930
Clay, wet	1660	Rock/dirt, 50%	1720
Earth, dry	1510	Sand, dry	1425
Earth, wet	1600	Sand, wet	1700
Loam	1250	Sand and Clay	1600
Gravel, dry	1510	Stone, crushed	1600
Gravel, wet	2000	Top soil	950

* Kilograms per loose cubic meter
For densities of other materials see Caterpillar Performance Handbook

Boom, Stick and Bucket Compatibility

One-piece boom	Bucket range
Extra long stick	0.35 to 0.68 m^3
Long stick	0.35 to 0.86 m^3
Medium stick	0.35 to 0.94 m^3
Short stick	0.35 to 1.00 m^3
Hydraulic Adjustable Boom (VA)	
Extra long stick	0.35 to 0.68 m^3
Long stick	0.35 to 0.86 m^3
Medium stick	0.35 to 0.94 m^3
Short stick	0.35 to 1.00 m^3

Lift capacities with One-piece boom

All weights are in kg

Short stick – 1.85 m
Bucket – 0.93 m³
Shoes – 500 mm

	1.5 m		3.0 m		4.5 m		6.0 m		7.5 m				
													m
7.5 m											*2280	*2280	5.33
6.0 m					*3970	*3970					*2050	*2050	6.84
4.5 m					*4590	4520	*4100	2720			*2010	1800	7.64
3.0 m					*5770	4190	4380	2620			*2080	1580	7.99
1.5 m					6740	3850	4230	2480			*2240	1540	7.97
Ground					6540	3680	4130	2390			*2560	1660	7.58
–1.5 m			*10 320	7020	6510	3660	4110	2380			*3130	2020	6.77
–3.0 m			*9110	7260	*6330	3780							

Medium stick – 2.25 m
Bucket – 0.93 m³
Shoes – 500 mm

	1.5 m		3.0 m		4.5 m		6.0 m		7.5 m				
													m
7.5 m											*2370	*2370	5.79
6.0 m											*2190	2160	7.18
4.5 m					*4240	*4240	*3870	2920			*2190	1730	7.93
3.0 m					*5480	4350	*4380	2710			*2300	1540	8.26
1.5 m					*6750	4020	4330	2580			*2520	1500	8.25
Ground			*5800	*5800	6690	3820	4210	2470			2750	1590	7.88
–1.5 m	*5620	*5620	*8430	7170	6620	3760	4170	2430			3240	1900	7.11
–3.0 m	*8140	*8140	*9580	7350	6690	3820							
–4.5 m			*6920	*6920									

Long stick – 2.6 m
Bucket – 0.68 m³
Shoes – 500 mm

	1.5 m		3.0 m		4.5 m		6.0 m		7.5 m				
													m
7.5 m											*1580	*1580	6.39
6.0 m							*3190	2880			*1440	*1440	7.65
4.5 m					*3840	*3840	*3590	2850			*1410	*1410	8.35
3.0 m			*7640	*7640	*5100	4410	*4140	2730	*2860	1790	*1470	1400	8.67
1.5 m			*5360	*5360	*6450	4060	4340	2580	2980	1740	*1590	1360	8.66
Ground			*5740	*5740	6710	3830	4210	2460	2930	1690	*1830	1440	8.32
–1.5 m	*4760	*4760	*8850	7130	6600	3740	4140	2410			*2240	1680	7.6
–3.0 m	*8360	*8360	*10 200	7270	6640	3770	4180	2440			*2740	2310	6.36
–4.5 m			*7930	7580	*5130	3960							

Extra long stick – 3.1 m
Bucket – 0.68 m³
Shoes – 500 mm

	1.5 m		3.0 m		4.5 m		6.0 m		7.5 m				
													m
7.5 m											*1720	*1720	6.81
6.0 m							*2900	*2900			*1620	*1620	7.98
4.5 m							*3180	2890	*2280	1850	*1640	1460	8.65
3.0 m			*6300	*6300	*4520	4490	*3780	2760	3060	1810	*1730	1310	8.95
1.5 m			*9890	7740	*5970	4120	4360	2590	2980	1740	*1920	1260	8.93
Ground			*7310	7180	6720	3830	4200	2450	2910	1670	*2230	1320	8.61
–1.5 m	*4940	*4940	*8850	7060	6560	3700	4100	2360			2670	1520	7.92
–3.0 m	*7940	*7940	*9600	7130	6550	3690	4100	2360			*2630	2030	6.75
–4.5 m	*8860	*8860	*9030	7380	*6000	3820							

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.

Lift capacities with One-piece boom

All weights are in kg

Short stick – 1.85 m
Bucket – 0.93 m³
Shoes – 600 mm

	1.5 m		3.0 m		4.5 m		6.0 m		7.5 m				
													m
7.5 m											*2280	*2280	5.33
6.0 m					*3970	*3970					*2050	*2050	6.84
4.5 m					*4590	4570	*4100	2760			*2010	1820	7.64
3.0 m					*5770	4240	4440	2650			*2080	1610	7.99
1.5 m					6830	3900	4290	2520			*2240	1570	7.97
Ground					6630	3730	4190	2420			*2560	1680	7.58
–1.5 m			*10 320	7110	6610	3710	4180	2410			*3130	2060	6.77
–3.0 m			*9110	7350	*6330	3830							

Medium stick – 2.25 m
Bucket – 0.93 m³
Shoes – 600 mm

	1.5 m		3.0 m		4.5 m		6.0 m		7.5 m				
													m
7.5 m											*2370	*2370	5.79
6.0 m											*2190	*2190	7.18
4.5 m					*4240	*4240	*3870	2860			*2190	1760	7.93
3.0 m					*5480	4400	*4380	2750			*2300	1570	8.26
1.5 m					*6750	4070	4390	2610			*2520	1520	8.25
Ground			*5800	*5800	6780	3870	4270	2510			2790	1620	7.88
–1.5 m	*5620	*5620	*8430	7260	6710	3810	4230	2470			3290	1930	7.11
–3.0 m	*8140	*8140	*9580	7440	3790	3870							
–4.5 m			*6920	*6920									

Long stick – 2.6 m
Bucket – 0.68 m³
Shoes – 600 mm

	1.5 m		3.0 m		4.5 m		6.0 m		7.5 m				
													m
7.5 m											*1580	*1580	6.39
6.0 m							*3190	2920			*1440	*1440	7.65
4.5 m					*3840	*3840	*3590	2890			*1410	*1410	8.35
3.0 m			*7640	*7640	*5100	4460	*4140	2770	*2860	1820	*1470	1420	8.67
1.5 m			*5360	*5360	*6450	4120	4400	2620	3030	1770	*1590	1380	8.66
Ground			*5740	*5740	6800	3880	4270	2500	2970	1720	*1830	1460	8.32
–1.5 m	*4760	*4760	*8850	7220	6690	3790	4200	2440			*2240	1710	7.6
–3.0 m	*8360	*8360	*10 200	7360	6730	3820	4240	2470			*2740	2350	6.36
–4.5 m			*7930	7670	*5130	4010							

Extra long stick – 3.1 m
Bucket – 0.68 m³
Shoes – 600 mm

	1.5 m		3.0 m		4.5 m		6.0 m		7.5 m				
													m
7.5 m											*1720	*1720	6.81
6.0 m							*2900	*2900			*1620	*1620	7.98
4.5 m							*3180	2930	*2280	1880	*1640	1480	8.65
3.0 m			*6300	*6300	*4520	*4520	*3780	2790	3100	1840	*1730	1330	8.95
1.5 m			*9890	7830	*5970	4170	4420	2630	3030	1760	*1920	1280	8.93
Ground			*7310	7280	6810	3890	4260	2480	2950	1700	*2230	1340	8.61
–1.5 m	*4940	*4940	*8850	7150	6650	3750	4160	2400			2710	1550	7.92
–3.0 m	*7940	*7940	*9600	7230	6650	3740	4160	2400			*2630	2060	6.75
–4.5 m	*8860	*8860	*9030	7470	*6000	3870							

Load Point Height Load Radius Over Front Load Radius Over Side Load at Maximum Reach

* Limited by hydraulic rather than tipping load.
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Short stick – 1.85 m
Bucket – 0.93 m³
Shoes – 700 mm

	1.5 m		3.0 m		4.5 m		6.0 m		7.5 m				
													m
7.5 m											*2280	*2280	5.33
6.0 m					*3970	*3970	*4100	2810			*2050	*2050	6.84
4.5 m					*4590	*4590	4530	2710			*2010	1860	7.64
3.0 m					*5770	4310	4380	2570			*2080	1650	7.99
1.5 m					*6910	3980	4280	2480			*2240	1600	7.97
Ground					6770	3810	4270	2460			*2560	1720	7.58
–1.5 m			*10 320	7250	6740	3790					*3130	2100	6.77
–3.0 m			*9110	7490	*6330	3900							

Medium stick – 2.25 m
Bucket – 0.93 m³
Shoes – 700 mm

	1.5 m		3.0 m		4.5 m		6.0 m		7.5 m				
													m
7.5 m											*2370	*2370	5.79
6.0 m											*2190	*2190	7.18
4.5 m					*4240	*4240	*3870	2910			*2190	1800	7.93
3.0 m					*5480	4480	*4380	2800			*2300	1600	8.26
1.5 m					*6750	4150	4480	2670			*2520	1560	8.25
Ground			*5800	*5800	6920	3950	4360	2560			2850	1660	7.88
–1.5 m	*5620	*5620	*8430	7400	6850	3890	4320	2520			*3340	1980	7.11
–3.0 m	*8140	*8140	*9580	7580	*6830	3950							
–4.5 m			*6920	*6920									

Long stick – 2.6 m
Bucket – 0.68 m³
Shoes – 700 mm

	1.5 m		3.0 m		4.5 m		6.0 m		7.5 m				
													m
7.5 m											*1580	*1580	6.39
6.0 m							*3190	2970			*1440	*1440	7.65
4.5 m					*3840	*3840	*3590	2940			*1410	*1410	8.35
3.0 m			*7640	*7640	*5100	4540	*4140	2820	*2860	1860	*1470	1460	8.67
1.5 m			*5360	*5360	*6450	4190	4490	2670	3100	1810	*1590	1420	8.66
Ground			*5740	*5740	6940	3960	4360	2550	3040	1760	*1830	1500	8.32
–1.5 m	*4760	*4760	*8850	7360	6830	3870	4290	2490			*2240	1750	7.6
–3.0 m	*8360	*8360	*10 200	7500	6870	3900	4330	2530			*2740	2400	6.36
–4.5 m			*7930	7810	*5130	4090							

Extra long stick – 3.1 m
Bucket – 0.68 m³
Shoes – 700 mm

	1.5 m		3.0 m		4.5 m		6.0 m		7.5 m				
													m
7.5 m											*1720	*1720	6.81
6.0 m							*2900	*2900			*1620	*1620	7.98
4.5 m							*3180	2980	*2280	1920	*1640	1520	8.65
3.0 m			*6300	*6300	*4520	*5420	*3780	2850	3170	1880	*1730	1360	8.95
1.5 m			*9890	7970	*5970	4250	*4490	2680	3090	1800	*1920	1320	8.93
Ground			*7310	*7310	6950	3960	4350	2540	3020	1740	*2230	1380	8.61
–1.5 m	*4940	*4940	*8850	7290	6790	3830	4260	2450			2770	1580	7.92
–3.0 m	*7940	*7940	*9600	7360	6780	3820	4250	2450			*2630	2110	6.75
–4.5 m	*8860	*8860	*9030	7610	*6000	3940							

Load Point Height Load Radius Over Front Load Radius Over Side Load at Maximum Reach

* Limited by hydraulic rather than tipping load.
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Lift capacities with Variable Adjustable boom

All weights are in kg

VA Boom opened
Short stick – 1.85 m
Bucket – 0.93 m³
Shoes – 500 mm

	1.5 m		3.0 m		4.5 m		6.0 m		7.5 m				
													m
7.5 m			*4790	*4790							*2530	*2530	5.26
6.0 m			*5800	*5800	*5470	4900					*2240	*2240	6.8
4.5 m			*8450	*8450	*6520	4750	4710	2850			*2180	1910	7.6
3.0 m					7480	4400	4590	2750			*2220	1680	7.96
1.5 m					7080	4060	4440	2610			*2370	1640	7.95
Ground					6870	3880	4340	2520			*2670	1770	7.56
–1.5 m			*8100	*8100	*6460	3870	4340	2520			*2680	2170	6.75

VA Boom half stroke
Short stick – 1.85 m
Bucket – 0.93 m³
Shoes – 500 mm

	1.5 m		3.0 m		4.5 m		6.0 m		7.5 m				
													m
6.0 m					*4310	*4310					*2200	*2200	6.03
4.5 m					*5440	4940					*2190	*2190	6.94
3.0 m			*9700	8890	*6480	4640	4700	2840			*2320	2320	7.33
1.5 m			*8850	7780	7330	4280	4550	2710			*2600	2600	7.3
Ground			*10 040	7480	7050	4040	4430	2610			*3110	3110	6.87
–1.5 m	*9210	*9210	*10 970	7510	6970	3970					*2230	*2230	5.94
–3.0 m			*8730	7750									

VA Boom closed
Short stick – 1.85 m
Bucket – 0.93 m³
Shoes – 500 mm

	1.5 m		3.0 m		4.5 m		6.0 m		7.5 m				
													m
4.5 m					*3860	*3860					*2210	*2210	5.86
3.0 m					*4920	4900					*2450	*2450	6.33
1.5 m			*10 100	8660	*6190	4570					*2930	2630	6.29
Ground	*8550	*8550	*12 410	8020	7350	4290					*2550	*2550	5.76
–1.5 m	*9780	*9780	*12 820	7850									
–3.0 m	*12 430	*12 430											

VA Boom opened
Long stick – 2.6 m
Bucket – 0.68 m³
Shoes – 600 mm

	1.5 m		3.0 m		4.5 m		6.0 m		7.5 m				
													m
7.5 m					*3820	*3820					*1760	*1760	6.36
6.0 m					*4200	*4200	*3490	3040			*1590	*1590	7.62
4.5 m			*4350	*4350	*4850	*4850	*4540	3020			*1540	*1540	8.34
3.0 m			*10 680	9020	*6980	4660	4770	2890	*3070	1900	*1580	1490	8.66
1.5 m					7380	4290	4590	2730	3160	1850	*1700	1450	8.65
Ground			*5920	*5920	7090	4040	4450	2610	3110	1800	*1910	1540	8.31
–1.5 m			*9300	7530	6890	3950	4400	2550			*2310	1810	7.6
–3.0 m			*7250	*7250	*5440	4010	*3430	2610					

VA Boom half stroke
Long stick – 2.6 m
Bucket – 0.68 m³
Shoes – 600 mm

	1.5 m		3.0 m		4.5 m		6.0 m		7.5 m				
													m
7.5 m											*1730	*1730	5.3
6.0 m					*3890	*3890					*1560	*1560	6.82
4.5 m					*4580	*4580	*3520	3070			*1550	*1550	7.62
3.0 m			*7900	*7900	*5730	4850	*4810	2970			*1650	*1650	7.98
1.5 m			*11 330	8390	*7070	4470	4660	2810			*1860	1720	7.96
Ground	*3920	*3920	*10 720	7760	7200	4170	4500	2670			*2230	1820	7.58
–1.5 m	*7390	*7390	*10 860	7600	7030	4020	4410	2590			*2950	2170	6.76
–3.0 m	*9310	*9310	*10 560	7690	*7030	4030							

Load Point Height Load Radius Over Front Load Radius Over Side Load at Maximum Reach

* Limited by hydraulic rather than tipping load.
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VA Boom closed
Long stick – 2.6 m
Bucket – 0.68 m³
Shoes – 600 mm

	1.5 m		3.0 m		4.5 m		6.0 m		7.5 m				
													m
4.5 m											*1570	*1570	6.5
3.0 m					*4050	*4050					*1730	*1730	6.92
1.5 m	*7470	*7470	*8100	*8100	*5340	4820	*2980	2970			*2070	*2070	6.89
Ground	*7980	*7980	*11 540	8370	*7130	4480					*2740	2530	6.43
–1.5 m	*9300	*9300	*12 890	7990	7260	6270							
–3.0 m	*10 810	*10 810	*12 370	7960									

VA Boom opened
Medium stick – 2.25 m
Bucket – 0.93 m³
Shoes – 700 mm

	1.5 m		3.0 m		4.5 m		6.0 m		7.5 m				
													m
7.5 m			*4330	*4330							*2610	*2610	5.76
6.0 m			*4950	*4950	*5240	5140					*2380	2340	7.16
4.5 m			*6220	*6220	*6190	5000	*4750	3030			*2350	1880	7.92
3.0 m					*7350	4670	4830	2920			*2440	1680	8.26
1.5 m					7460	4320	4670	2780			*2640	1640	8.24
Ground			*9030	7710	7210	4110	4550	2670			2990	1740	7.88
–1.5 m					*6980	4060	4520	2640			*2990	2080	7.11
–3.0 m					*4830	4140							

VA Boom half stroke
Medium stick – 2.25 m
Bucket – 0.93 m³
Shoes – 700 mm

	1.5 m		3.0 m		4.5 m		6.0 m		7.5 m				
													m
6.0 m					*4550	*4550					*2360	*2360	6.33
4.5 m					*5020	*5020	*3480	3110			*2390	2340	7.19
3.0 m			*8810	*8810	*6140	4900	4950	3020			*2570	2040	7.57
1.5 m			*10 920	8400	*7380	4540	4790	2880			*2910	1970	7.54
Ground			*9440	7920	7400	4270	4690	2750			*3540	2100	7.13
–1.5 m	*8730	*8730	*9910	7850	7270	4160					*2550	*2550	6.24
–3.0 m			*9830	8000	*6560	4210							

VA Boom closed
Medium stick – 2.25 m
Bucket – 0.93 m³
Shoes – 700 mm

	1.5 m		3.0 m		4.5 m		6.0 m		7.5 m				
													m
4.5 m											*2410	*2410	6.06
3.0 m					*4610	*4610					*2710	*2710	6.51
1.5 m			*9220	*9220	*5750	4830					*3290	2660	6.47
Ground	*8640	*8640	*12 070	8480	*7600	4520					*2890	*2890	5.97
–1.5 m	*8800	*8800	*12 980	8200	7490	4350							
–3.0 m	*10 340	*10 340											

Load Point Height Load Radius Over Front Load Radius Over Side Load at Maximum Reach

* Limited by hydraulic rather than tipping load.
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Standard Equipment

Standard and optional equipment may vary. Consult your Caterpillar dealer for specifics.

Electrical

55 Ampere alternator
Light, storage box mounted (one)
Warning horn
Caterpillar batteries (750 CCA)

Guards

Bottom guard
Track motor guards

Operator environment

Sound and vibration suppressed cab with floor mat and double wall cab shell
Integrated joystick consoles and suspended as part of seat arrangement, each joystick with 2 auxiliary functions and electrical wiring protection
Fully adjustable suspension seat (KAB525) with:
- ergonomic design
- adjustable armrest
- headrest
- four way adjustable up-down, front-rear
- weight adjustments and retractable seatbelt

High contrast liquid crystal instrument panel and gauges including hydraulic filter clogging warning
Start up level check for hydraulic oil, engine oil and engine coolant
Cab windows:
- clear tinted tempered glass except upper windshield: laminated glass 50/50 Split on the windshield, flat glass
- openable front windshield upper and lower with assistance device
- sliding door window
- polycarbonate skylight

Upper windshield wiper (vertical) and washer
Neutral lever lock out for all controls
Travel control pedals with removable hand levers
Platform with provision for two attachment control pedals
Dial-type throttle
Highly efficient ventilation system: heater and defroster positive filtered ventilation
Radio mounting (DIN) with wiring, antenna and provision for two stereo speakers
Ashtray with light and drink holder
Interior lighting and coat hook
Storage compartment suitable for lunch box and newspaper holder
Literature compartment behind seat
Wiring provision for electrical seat heating and beacon light
12V/5A power supply

Powertrain

Cat 3054 TA diesel engine with:
- Low Emission, Low Noise version
- 24 volt electric starting and flame heater aid
- Breather, closed engine
- Automatic engine speed control with return to idle push button
- Water separator in fuel line

Two speed travel with automatic shift change
Straight line travel
Variable displacement, load sensing hydraulic system
Power mode selector (3 mode)
Work mode selector (5 mode)

Undercarriage

Track type sealed undercarriage with:
- 500 mm triple grouser shoes on 315B L

Hydraulic track adjuster
Center track guiding guards
Step group to meet current EU regulations

Other standard equipment

Hydraulic cross sensing system
Auxiliary hydraulic valve (high pressure)
Boom regeneration circuit
Stick regeneration circuit
Reverse swing damping valve
Fine swing control
Automatic swing brake
Hydraulic cylinder snubbers
Caterpillar XT hoses
O-ring face seal couplings
Over heat prevention system
Hydraulic oil cooler
Fire wall between pump compartment and engine
Electronic Power Unit Control with internal diagnostic capabilities
Separate no-oil-drip hydraulic capsule filter avoiding spills and contamination during replacement, with reusable metal tube for the filter element
Scheduled Oil Sampling port
Remote greasing block (boom, swing bearing)
Caterpillar Radial Seal Air Filter
Extended life coolant (-36˚C)
Rearview mirrors, frame-right and cab-left
Counterweight
Machine lifting point plate on counterweight
Door and cap locks plus Caterpillar one key security system
CE Mark included to meet EU directives
Sound package to meet current EU requirements

Optional Equipment

(with approximate change in operating weight)

Backhoe

Boom:
- one-piece, with light, left side: 5.1 m
- hydraulically adjustable (VA)

Stick:
- 3100 mm
- 2600 mm
- 2250 mm
- 1850 mm

Boom lowering check valve
Stick lowering check valve
VA Boom check valve
Bucket linkage
Buckets and tips
Cat 100 and Cat 115 hammer
Quick coupler

Electrical

Light:
- boom, right side
- working, cab mounted (two)
- falling objects guard (two)

Travel alarm

Guards

Swivel guard
Front guard
Falling objects guard
Bottom guard, heavy duty
Swing frame side rubber bumper
Track guiding guard, full length

Operator environment

Air conditioner, with automatic climate control
Sun protective visor, windshield
Rain protective visor, windshield
Radio AM/FM
Wiper, lower window
Optional fully adjustable suspension seat (KAB524) with:
- higher back seat
- tiltable integrated consoles

Suspension seat (KAB524) with heater

Undercarriage

Track:
- 600 mm triple grouser
- 700 mm triple grouser

Hydraulics

High pressure auxiliary hydraulic arrangements:
- single function arrangement
- combined function arrangement (inclusive of two pump flow)
- two pump flow arrangement

High pressure auxiliary hydraulic lines for boom and stick
Medium pressure hydraulic arrangement
Medium pressure hydraulic lines for boom and stick
Quick coupler hydraulic arrangement
Quick coupler hydraulic lines for boom and stick
Clamshell actuator

Other attachments

Cold weather starting kit
Electric refueling pump
Fuel tank, additional capacity (80 liters)
High ambient cooling (52˚C)

Consult your Caterpillar dealer for custom product arrangements.

315B L Hydraulic Excavator

HEHH5282 (0798) hr

CATERPILLAR®