

312C 312C L

Hydraulic
Excavators



Weights

Operating Weight*	13 140 kg	28,970 lb
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Engine

Engine Model	Cat® 3064 T	
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Gross Power	70 kW	94 hp
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Flywheel Power	67 kW	90 hp
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Swing Mechanism

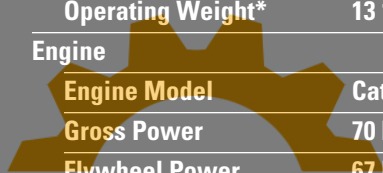
Swing Torque	30 500 N·m	22,496 lb ft
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* Long undercarriage, 3000 mm (9'10") stick and 600 mm (24") shoes



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SUNIGHT

312C L Hydraulic Excavators

Improved performance and rugged durability combine to maximize productivity.

Engine

The 312C is powered by the Cat 3064 T engine. This engine includes several design features which enhance performance, efficiency and reliability.
pg. 4

Hydraulics

The open-center, two-pump hydraulic system features pump flow control which improves fuel efficiency, ensures smooth controllability, reduces sound levels and extends component life.
pg. 5

Undercarriage and Structures

Rugged Caterpillar® undercarriage design and proven structural manufacturing techniques assure outstanding durability in the toughest applications. New grease lubricated seals protect and prolong track life.
pg. 6

Complete Customer Support

Your Cat dealer offers a wide range of services that can be set up under a customer support agreement when you purchase your equipment. The dealer will help you choose a plan that can cover everything from machine and attachment selection to replacement.
pg. 10

Increased horsepower, better controllability, extended service intervals and a redesigned operator station increase your productivity and lower your operating costs.



Front Linkage

Designed-in flexibility to help bring higher production and efficiency to all jobs. **pg. 7**

Operator Station

✓ Larger, quieter, climate-controlled cab has excellent sightlines to the work area to help keep operator fatigue low and production up throughout the entire shift. **pg. 8**

Serviceability

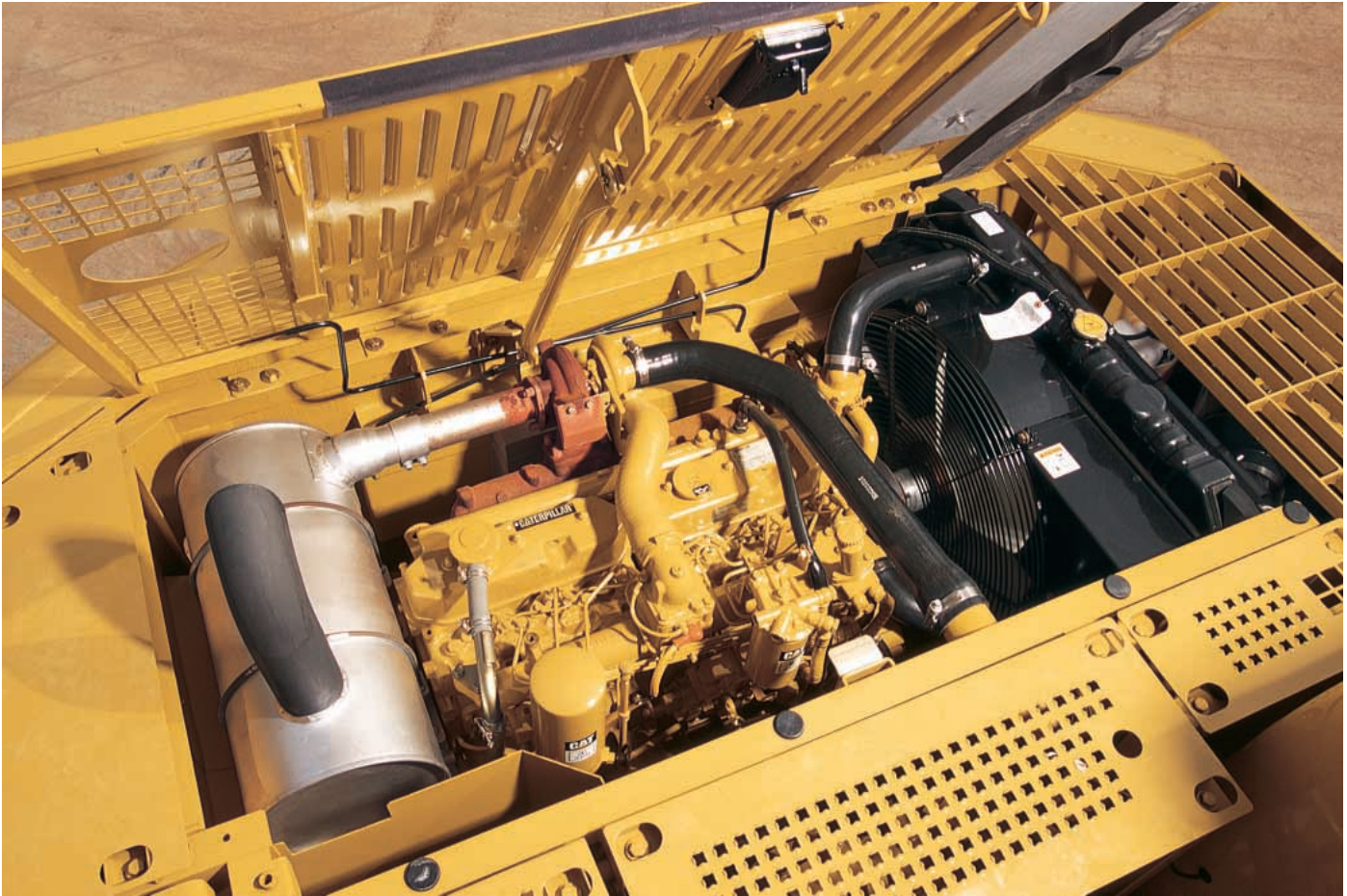
✓ Longer service intervals and easier maintenance results in better machine availability and lower owning and operating costs. **pg. 9**



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Engine

The four cylinder turbo-charged Cat 3064 T engine is built for power, reliability, economy and low emissions.



Torque Rise. The engine is designed for high torque rise at middle rpm, a feature that is especially beneficial for heavy-duty use.

Automatic Engine Control. Automatic Engine Control with convenient one-touch command. Three-stage control maximizes fuel efficiency and reduces sound levels.

Maintenance. The oil level gauge, oil filter, fuel filter and priming pump are located on the right side of the upper structure for easy maintenance. The engine oil filter and fuel filter change intervals have been extended.

Crankshaft. Eight balance, one-piece, forged crankshaft enhances balance and decreases vibration and is induction hardened to improve abrasion resistance.

Pistons. Heat resistant aluminum alloy pistons have a short compression height, reducing weight and improving efficiency.

Fuel Consumption. The 3064 T engine has the best fuel consumption in this class of diesel engines. It features improved thermal efficiency and reduced friction resistance between piston and liners.



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Hydraulics

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

Component Layout. The 312C hydraulic system was designed to provide a high level of efficiency. With all major components located close together, shorter tubes and lines are needed, resulting in less friction loss in the lines and reduced pressure drops.

Hydraulic Cross Sensing System.

Improves productivity with faster implement speeds and quicker, stronger pivot turns.

Automatic Boom and Swing Priority.

For simpler operation, work mode and power mode switches have been eliminated. Instead, the automatic boom and swing priority function selects the best mode, based on joystick movement.

Stackable Valves. Three types of stackable valves and one independent valve are available on the 312C and attached directly to the main control valve. Up to two stackable valves can be used in combination with the main control valve to provide a variety of different functions.

Controllability. The hydraulic system offers precise control to the 312C, reducing operator fatigue, improving operator effectiveness and efficiency, which ultimately translates into enhanced performance.



Auxiliary Hydraulic Valve. The auxiliary hydraulic valve is standard on the 312C for use with optional hydraulic circuits.

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



Undercarriage and Structures

Durable undercarriage absorbs stresses and provides excellent stability.



Structures. The 312C structural components and undercarriage are the backbone of the machine's durability.



Carbody Design and Track Roller Frames.

X-shaped, box-section carbody provides excellent resistance to torsional bending. Robot-welded track roller frames are press-formed, pentagonal units to deliver exceptional strength and service life.

Rollers and Idlers. Sealed and lubricated track rollers, carrier rollers and idlers provide excellent service life, to keep the machine in the field longer.

Main Frame. The rugged main frame is designed for maximum durability and efficient use of materials.

Grease Lubricated Track. New grease lubricated seals protect the track link and deliver long track link pin and bushing inner wear life.

Travel Motors. Automatic speed selection enables the machine to automatically change up and down from high and low speeds in a smooth, controlled manner.



Idler Guard. An idler guard, which is integral to the track roller frame is standard. This guard helps maintain track alignment while traveling or working on slopes.

Blades. For further versatility and to meet more general purposes needs, three blade width options are available on the 312C.



Front Linkage

Designed-in flexibility to help bring higher production and efficiency to all jobs.

Front Linkage. Front linkage variations on the 312C allow for the use of one boom, two sticks and five buckets. Using these combinations improves the general-purpose versatility of the 312C by suiting it to a diverse range of applications.

Boom. The boom on the 312C is designed to provide maximum digging capability. Caterpillar booms are manufactured with high-tensile steel for upper, lower and side plates and robot welded for consistent quality.

Stick. Two sticks are available on the 312C. The customer's working envelope and bucket capacity needs determine their stick choice.

Boom and Stick Construction. Built for performance and long service life, Caterpillar booms and sticks are large, welded, box-section structures with thick, multi-plate fabrications in high-stress areas.

Buckets. High tensile strength steel is used in high-stress areas for excellent wear and shock resistance. The side plates are tapered to prevent contact of the bucket sidewalls during trenching operations. All buckets are general purpose, share a common side profile and have lifting eyes.



Bucket Linkage. The bucket linkage on the 312C includes the bucket cylinder, idler link and power links.

Linkage Bearings. New bearing technology has extended the front linkage greasing intervals for all bearings.



Operator Station

Designed for simple operation, the 312C operator station allows the operator to focus on production.



Operator Environment. The 312C operator work station is quiet with ergonomic control placement and convenient adjustments, low lever and pedal effort, ergonomic seat design and highly efficient ventilation.

Monitor. New, compact monitor enhances viewing while displaying a variety of easy-to-read and understand language-based information.

Automatic Boom and Swing Priority Function. For simpler operation, work mode and power mode switches have been eliminated. Instead, the automatic boom and swing priority function selects the best mode, based on joystick movement.

Redesigned Layout. Redesigned cab layout emphasizes simplicity and ease of use. Right-hand wall and console provide easy access to all switches, dials and controls.

Travel Controls. A large rubber-covered footrest at the side of the travel pedals allows the foot to easily grip the pedal. The travel lever stroke and force have been enhanced to improve the 312C's fine controllability, making the machine easier to operate.

Seat. A new seat with a two-tone color offers two types of cushions - soft and firm - for operator comfort. The reclining knob is located at the right-side of the seat for easier reclining adjustment.

Automatic Climate Control. Fully automatic climate control adjusts temperature and flow and determines which air outlet is best in each situation.

Skylight. A large polycarbonate skylight delivers excellent natural lighting and good ventilation. Standard sliding sunshade protects from direct sunlight.

Cab Exterior. The 312C's cab is newly designed using asymmetrical steel tubing for improved resistance to fatigue and vibration. Falling Object Guard System (FOGS) may be bolted-on directly to the cab.

Cab Mounts. The cab shell is attached to the frame with improved viscous mounts, reducing vibration and sound.

Wiper. With continuous and intermittent modes, the wiper is positioned on the right cab pillar to further improve the operator's viewing area.

Clear View Over the Engine. The engine hood has been removed improving the operator's rear viewing area.



Serviceability

Simplified service and maintenance features save you time and money.

Extended Service Intervals. 312C service and maintenance intervals have been extended to reduce machine service time and increase machine availability.

Radiator Compartment. The left rear service door allows easy access to the engine radiator and the oil cooler. A reserve tank and drain cock are attached to the radiator for simplified maintenance.

Air Filter Compartment. The air filter features a double-element construction for superior cleaning efficiency. When the air cleaner plugs, a warning is displayed on the monitor screen inside the cab.

Ground Level Service. The design and layout of the 312C was made with the service technician in mind. Many service locations are easily accessible at ground level allowing critical maintenance to get done quickly and efficiently.

Swing-Out Oil Cooler. The oil cooler swings out horizontally for excellent cleaning.

Pump Compartment. A service door on the right side of the upper structure allows ground-level access to the pump and pilot filter.

Capsule Filter. The hydraulic return filter, a capsule filter, is situated outside the hydraulic tank. This filter prevents contaminants from entering the system when hydraulic oil is changed and keeps the operation clean.



Anti-Skid "Punched-Star" Plate. Anti-skid punched-star plate covers the top of storage box and upper structure to prevent slipping during maintenance. The plate can be removed for cleaning.

Engine Inspection. Engine can be accessed from the upper structure or from under the machine. The engine and pump compartment are separated by a steel wall.

Handrails and Steps. Larger handrails and steps assist operator in climbing on and off machine.

Grease Lubricated Track. Grease lubricated seals protect the track link and deliver long track link pin and bushing inner wear life.

Fan Guard. Engine radiator fan is completely enclosed by fine wire mesh, reducing the risk of an accident.



Complete Customer Support

Cat dealer services help you operate longer with lower costs.



Selection. Make detailed comparisons of the machines you are considering before you buy. What are the job requirements? What production is needed? What is the true cost of lost production? Your Cat dealer can give you precise answers to these questions.

Purchase. Look past initial price, look at the value the 312C offers. Consider the financing options available as well as day-to-day operating costs.

Operation. Improving operating techniques can boost your profits. Your Cat dealer has training literature and other ideas to help you increase productivity.

Maintenance. Repair option programs guarantee the cost of repairs up front. Diagnostic programs such as Scheduled Oil Sampling and Technical Analysis help you avoid unscheduled repairs.

Replacement. Repair, rebuild or replace? Your Cat dealer can help you evaluate the cost involved so you can make the right choice.

Product Support. You will find nearly all parts at our dealer parts counter. Cat dealers utilize a worldwide computer network to find in-stock parts to minimize machine down time. You will save money with remanufactured components.



Engine

Engine Model	Cat 3064 T	
Gross Power	70 kW	94 hp
Flywheel Power	67 kW	90 hp
ISO 9249	67 kW	90 hp
SAE J1349	67 kW	90 hp
EEC 80/1269	67 kW	90 hp
Bore	102 mm	4 in
Stroke	130 mm	5.1 in
Displacement	4.25 L	259 in ³

- The 312C meets US Tier 2 and EU Stage II 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 derating required below 1500 m (4,900 ft) altitude.

Weights

Operating Weight	13 140 kg	28,970 lb
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Swing Mechanism

Swing Torque	30 500 N·m	22,496 lb ft
Swing Speed	12.9 RPM	

Drive

Travel Speed	5.5 kph	3.4 mph
Max. Drawbar Pull	110 kN	24,720 lb

Hydraulic System

Main Implement System -		
Max. Flow (2x)	127 L/min	33.5 gal/min
Max. Pressure - Implements	29 900 kPa	4,340 psi
Max. Pressure - Travel	34 300 kPa	4,980 psi
Max Pressure - Swing	23 050 kPa	3,340 psi
Pilot System - Max. Flow	23.7 L/min	6.3 gal/min
Pilot System - Max. Pressure	4120 kPa	600 psi
Blade - Max. Flow	58.5 L/min	15.5 gal/min
Blade System - Max Pressure	20 594 kPa	2,990 psi
Boom Cylinder - Bore	110 mm	4.3 in
Boom Cylinder - Stroke	1015 mm	40 in
Stick Cylinder - Bore	120 mm	4.7 in
Stick Cylinder - Stroke	1197 mm	47.1 in
Bucket Cylinder - Bore	100 mm	3.9 in
Bucket Cylinder - Stroke	939 mm	37 in

Service Refill Capacities

Fuel Tank	250 L	66 gal
Cooling System	17.5 L	4.6 gal
Engine Oil	17.5 L	4.6 gal
Swing Drive	3 L	0.8 gal
Final Drive (Each)	2.5 L	0.66 gal
Hydraulic System		
(Including Tank)	162 L	42.8 gal
Hydraulic Tank	90 L	23.8 gal

Standards

Meets the following standards:

Cab/FOGS	SAE J1356 FEB88 ISO 10262
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Sound Performance

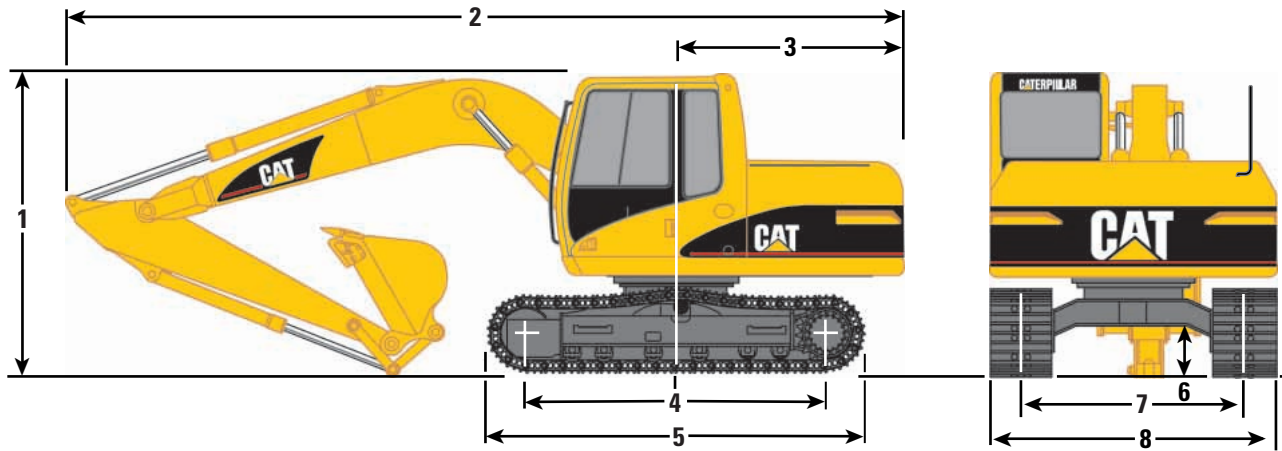
The operator sound exposure Leq (equivalent sound pressure level) measured according to the work cycle procedures specified in ANSI/SAE J1166 OCT98 is 74 dB(A), for the cab offered by Caterpillar, when properly installed and maintained and tested with the doors and windows closed.

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.

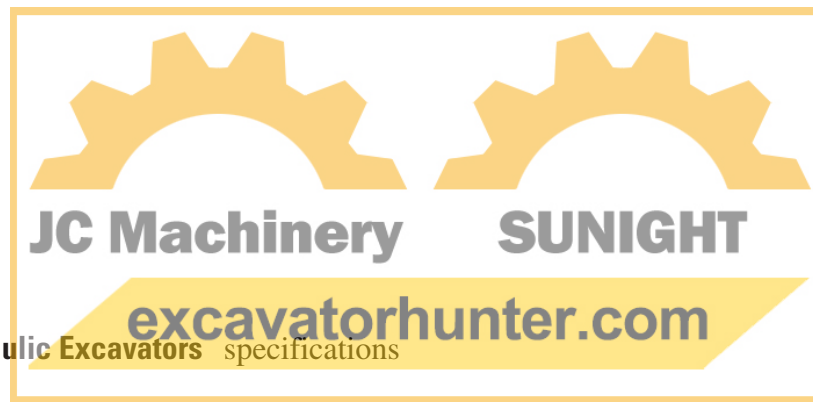


Dimension

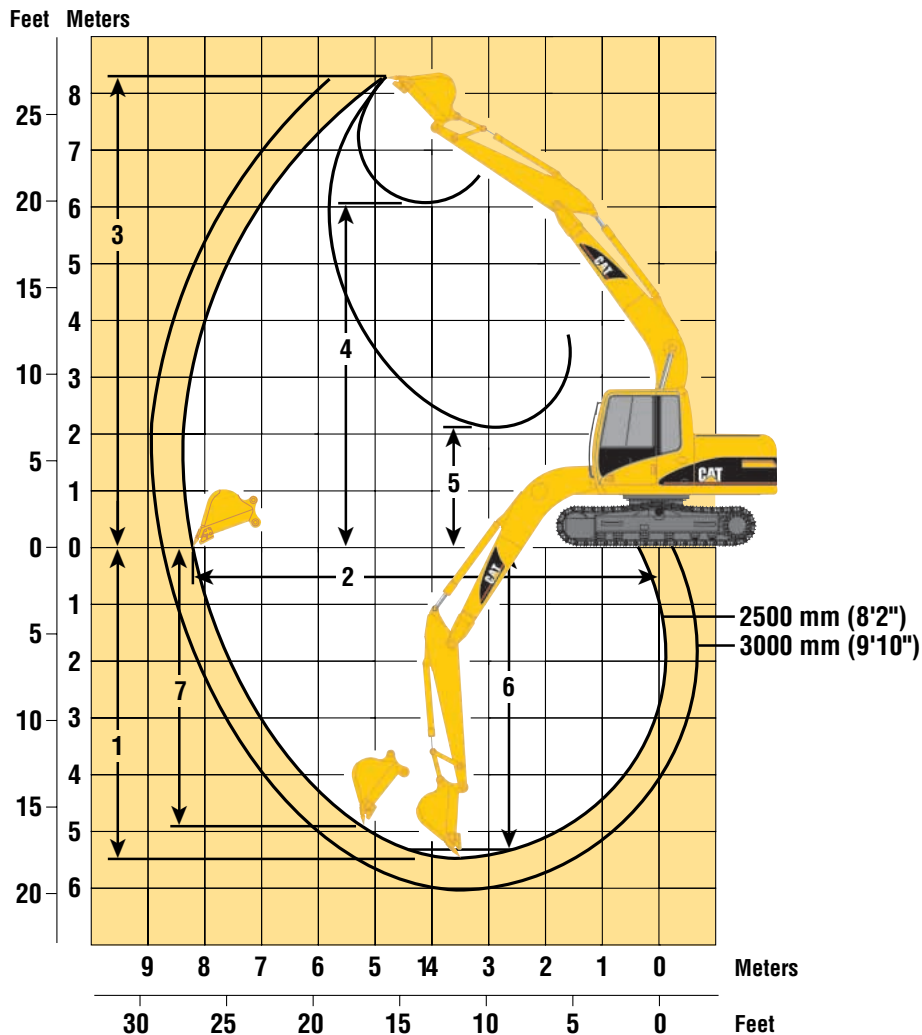
All dimensions are approximate.



	2500 mm (8'2") Stick		3000 mm (9'10") Stick	
1 Shipping height	2760 mm (9'1")		2760 mm (9'1")	
2 Shipping length	7570 mm (24'10")		7570 mm (24'10")	
3 Tail swing radius	2130 mm (7')		2130 mm (7')	
4 Length to centers of rollers				
312C	2780 mm (9'1")		2780 mm (9'1")	
312C L	3040 mm (9'11")		3040 mm (9'11")	
5 Track length				
312C	3490 mm (11'5")		3490 mm (11'5")	
312C L	3750 mm (12'4")		3750 mm (12'4")	
6 Ground clearance	440 mm (1'5")		440 mm (1'5")	
7 Track gauge	1990 mm (6'6")		1990 mm (6'6")	
8 Transport width	with 500 mm (20") 2490 mm (8'2")	with 600 mm (24") 2590 mm (8'6")	with 700 mm (28") 2690 mm (8'10")	with 770 mm (30") 2760 mm (9'1")



Working Ranges



Stick Length	2500 mm (8'2") Stick*	3000 mm (9'10") Stick*
1 Maximum Digging Depth	5550 mm (18'3")	6050 mm (19'10")
2 Maximum Reach at Ground Level	8175 mm (26'10")	8625 mm (28'4")
3 Maximum Cutting Height	8475 mm (27'10")	8695 mm (28'6")
4 Maximum Loading Height	6095 mm (20'0")	6330 mm (20'9")
5 Minimum Loading Height	2010 mm (6'7")	1525 mm (5'0")
6 Maximum Depth Cut for 2440 mm (8') Level Bottom	5340 mm (17'6")	5865 mm (19'3")
7 Maximum Vertical Wall Digging Depth	4970 mm (16'4")	5345 mm (17'6")
Stick Digging Force (SAE)	63 kN (14,160 lb)	57 kN (12,810 lb)
Bucket Digging Force (SAE)	84 kN (18,880 lb)	84 kN (18,880 lb)

* - Measurements shown are for machines equipped with the 0.52 m³ (0.68 yd³) bucket

Operating Weights

Caterpillar designed and built track-type undercarriage.

Track Width		Operating Weight (medium stick)		Operating Weight (long stick)	
312C	500 mm (20") triple grouser	12 550 kg	(27,670 lb)	12 620 kg	(27,820 lb)
	600 mm (24") triple grouser	12 780 kg	(28,170 lb)	12 860 kg	(28,350 lb)
	700 mm (28") triple grouser	13 020 kg	(28,700 lb)	13 100 kg	(28,880 lb)
	770 mm (30") triple grouser	13 150 kg	(28,990 lb)	13 230 kg	(29,190 lb)
	Blade: add	750 kg	(1653 lb)		
312C L	500 mm (20") triple grouser	12 840 kg	(28,310 lb)	12 910 kg	(28,460 lb)
	600 mm (24") triple grouser	13 070 kg	(28,810 lb)	13 140 kg	(28,970 lb)
	700 mm (28") triple grouser	13 330 kg	(29,390 lb)	13 400 kg	(29,540 lb)
	770 mm (30") triple grouser	13 460 kg	(29,670 lb)	13 540 kg	(29,850 lb)
	Blade: add	750 kg	(1653 lb)		

Buckets

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

Width		Capacity		Recommended Maximum Material Density			
mm	in	m ³	yd ³	Medium Stick		Long Stick	
				kg/m ³	lb/yd ³	kg/m ³	lb/yd ³
610	24	0.30	0.39	1800	3000	1800	3000
760	30	0.40	0.53	1800	3000	1800	3000
910	36	0.52	0.68	1800	3000	1500	2500
1070	42	0.63	0.82	1500	2500	1200	2000
1220	48	0.74	0.97	1500	2500	1200	2000

Material Densities

Material	kg/m ³ *	lb/yd ³ **	Material	kg/m ³ *	lb/yd ³ **
Clay, dry	1480	2500	Gravel, pit run	1930	3250
Clay, wet	1660	2800	Rock/dirt, 50%	1720	2900
Earth, dry	1510	2550	Sand, dry	1420	2400
Earth, wet	1600	2700	Sand, wet	1840	3100
Loam	1250	2100	Sand & Clay	1600	2700
Gravel, dry	1510	2550	Stone, crushed	1600	2700
Gravel, wet	2020	3400	Top soil	950	1600

* kilograms per loose cubic meter

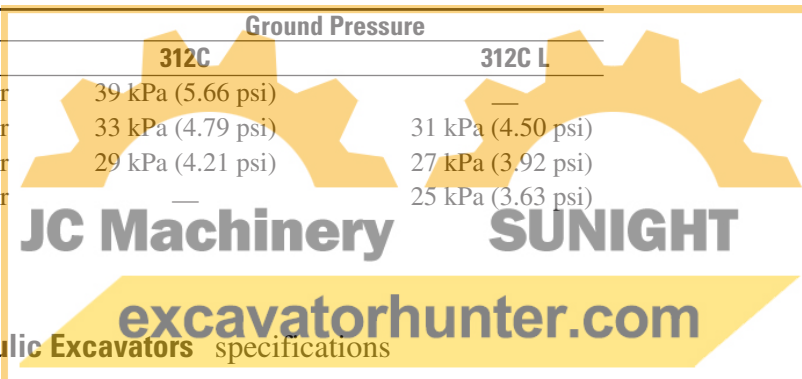
** pounds per loose cubic yard

For densities of other materials see Caterpillar Performance Handbook

Undercarriage

Caterpillar designed and built track-type undercarriage.

Track Width	Ground Pressure	
	312C	312C L
500 mm (20") triple grouser	39 kPa (5.66 psi)	—
600 mm (24") triple grouser	33 kPa (4.79 psi)	31 kPa (4.50 psi)
700 mm (28") triple grouser	29 kPa (4.21 psi)	27 kPa (3.92 psi)
770 mm (30") triple grouser	—	25 kPa (3.63 psi)



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Reach Boom Lift Capacities



Load Point Height



Load at Maximum Reach



Load Radius Over Front















Load Radius Over Side

R2.5 STICK – 2500 mm (8'2")
BUCKET – 0.52 m³ (0.68 yd³)

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

BOOM – 4650 mm (15'3")
BLADE – Up













	1.5 m (5.0 ft)		3.0 m (10.0 ft)		4.5 m (15.0 ft)		6.0 m (20.0 ft)				m ft	
												
6.0 m 20.0 ft	kg lb									*1350 *2950	*1350 *2950	6.63 21.52
4.5 m 15.0 ft	kg lb					*3000 *6550	*3000 *6550	2950 6300	2200 4700	*1250 *2750	*1250 *2750	7.51 24.52
3.0 m 10.0 ft	kg lb			*5050 *10,800	*5050 *10,800	*3800 *8150	3450 7450	2900 6200	2150 4600	*1250 *2800	*1250 *2800	7.93 25.99
1.5 m 5.0 ft	kg lb			*7650 *16,400	6000 12,850	4450 9500	3200 6900	2800 5950	2050 4400	*1350 *2950	1250 2750	8.00 26.24
Ground Line	kg lb			*6750 *15,650	5600 12,000	4200 9050	3000 6500	2700 5750	1950 4200	*1500 *3300	1300 2850	7.72 25.32
-1.5 m -5.0 ft	kg lb	*4300 *9650	*4300 *9650	8350 17,750	5500 11,800	4100 8850	2950 6300	2650 5650	1900 4100	*1850 *4050	1550 3350	7.05 23.07
-3.0 m -10.0 ft	kg lb	*7650 *17,250	*7650 *17,250	*7850 *16,950	5600 12,000	4150 8900	2950 6350			*2550 *5650	2100 4650	5.83 18.95
-4.5 m -15.0 ft	kg lb									*4600	4550	3.52

* Limited by hydraulic capacity rather than tipping load. The above loads are in compliance with SAE hydraulic excavator lift capacity rating standard J1097. 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.

R2.5 STICK – 2500 mm (8'2")
BUCKET – 0.52 m³ (0.68 yd³)

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

BOOM – 4650 mm (15'3")
BLADE – Down

	1.5 m (5.0 ft)		3.0 m (10.0 ft)		4.5 m (15.0 ft)		6.0 m (20.0 ft)				m ft	
												
6.0 m 20.0 ft	kg lb									*1350 *2950	*1350 *2950	6.63 21.52
4.5 m 15.0 ft	kg lb					*3000 *6550	*3000 *6550	*3000 *6550	2200 4700	*1250 *2750	*1250 *2750	7.51 24.52
3.0 m 10.0 ft	kg lb			*5050 *10,800	*5050 *10,800	*3800 *8150	3450 7450	*3250 *7100	2150 4600	*1250 *2800	*1250 *2800	7.93 25.99
1.5 m 5.0 ft	kg lb			*7650 *16,400	6000 12,850	*4800 *10,300	3200 6900	*3700 *8050	2050 4400	*1350 *2950	1250 2750	8.00 26.24
Ground Line	kg lb			*6750 *15,650	5600 12,000	*5500 *11,900	3000 6500	*4050 *8800	1950 4200	*1500 *3300	1300 2850	7.72 25.32
-1.5 m -5.0 ft	kg lb	*4300 *9650	*4300 *9650	*8800 *19,100	5500 11,800	*5750 *12,400	2950 6300	*4100 *8900	1900 4100	*1850 *4050	1550 3350	7.05 23.07
-3.0 m -10.0 ft	kg lb	*7650 *17,250	*7650 *17,250	*7850 *16,950	5600 12,000	*5250 *11,250	2950 6350			*2550 *5650	2100 4650	5.83 18.95
-4.5 m -15.0 ft	kg lb									*4600	4550	3.52

* Limited by hydraulic capacity rather than tipping load. The above loads are in compliance with SAE hydraulic excavator lift capacity rating standard J1097. 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.



Reach Boom Lift Capacities



Load at
Maximum Reach



Load Radius
Over Front















Load Radius
Over Side

R2.5 STICK – 2500 mm (8'2")
BUCKET – 0.52 m³ (0.68 yd³)

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

BOOM – 4650 mm (15'3")
BLADE – Up













	1.5 m (5.0 ft)		3.0 m (10.0 ft)		4.5 m (15.0 ft)		6.0 m (20.0 ft)				m ft	
												
6.0 m 20.0 ft	kg lb									*1350 *2950	*1350 *2950	6.63 21.52
4.5 m 15.0 ft	kg lb				*3000 *6550	*3000 *6550	*3000 *6550	2250 4800	*1250 *2750	*1250 *2750	7.51 24.52	
3.0 m 10.0 ft	kg lb		*5050 *10,800	*5050 *10,800	*3800 *8200	3550 7600	*3250 *7100	2200 4700	*1250 *2800	*1250 *2800	7.93 26.00	
1.5 m 5.0 ft	kg lb		*7650 *16,400	6100 13,100	*4800 *10,300	3300 7050	3250 6900	2100 4500	*1350 *2950	1300 2850	8.00 26.24	
Ground Line	kg lb		*6750 *15,650	5700 12,250	4950 10,600	3100 6650	3150 6700	2000 4300	*1500 *3300	1350 2950	7.72 25.32	
-1.5 m -5.0 ft	kg lb	*4300 *9650	*4300 *9650	*8800 *19,100	5650 12,050	4850 10,400	3000 6450	3100 6600	1950 4200	*1850 *4050	1550 3450	7.05 23.07
-3.0 m -10.0 ft	kg lb	*7650 *17,250	*7650 *17,250	*7850 *16,950	5700 12,250	4900 10,450	3050 6500			*2550 *5650	2150 4750	5.83 18.94

* Limited by hydraulic capacity rather than tipping load. The above loads are in compliance with SAE hydraulic excavator lift capacity rating standard J1097. 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.

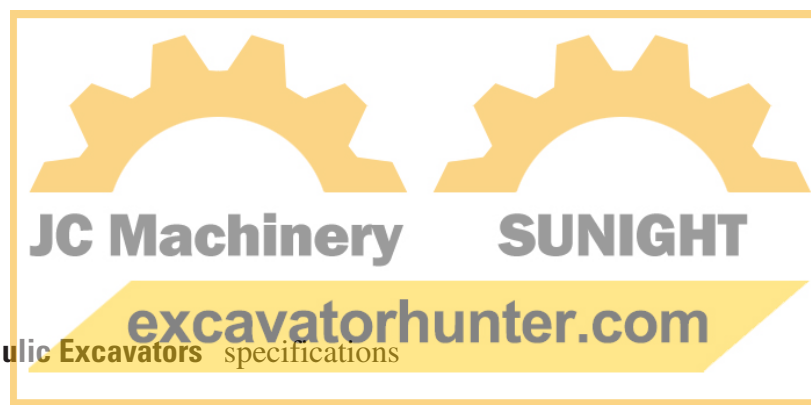
R2.5 STICK – 2500 mm (8'2")
BUCKET – 0.52 m³ (0.68 yd³)

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

BOOM – 4650 mm (15'3")
BLADE – Down

	1.5 m (5.0 ft)		3.0 m (10.0 ft)		4.5 m (15.0 ft)		6.0 m (20.0 ft)				m ft	
												
6.0 m 20.0 ft	kg lb									*1350 *2950	*1350 *2950	6.63 21.52
4.5 m 15.0 ft	kg lb				*3000 *6550	*3000 *6550	*3000 *6550	2250 4800	*1250 *2750	*1250 *2750	7.51 24.52	
3.0 m 10.0 ft	kg lb		*5050 *10,800	*5050 *10,800	*3800 *8200	3550 7600	*3250 *7100	2200 4700	*1250 *2800	*1250 *2800	7.93 26.00	
1.5 m 5.0 ft	kg lb		*7650 *16,400	6100 13,100	*4800 *10,300	3300 7050	*3700 *8050	2100 4500	*1350 *2950	1300 2850	8.00 26.24	
Ground Line	kg lb		*6750 *15,650	5700 12,250	*5500 *11,900	3100 6650	*4050 *8800	2000 4300	*1500 *3300	1350 2950	7.72 25.32	
-1.5 m -5.0 ft	kg lb	*4300 *9650	*4300 *9650	*8800 *19,100	5650 12,050	*5750 *12,400	3000 6450	*4100 *8900	1950 4200	*1850 *4050	1550 3450	7.05 23.07
-3.0 m -10.0 ft	kg lb	*7650 *17,250	*7650 *17,250	*7850 *16,950	5700 12,250	*5250 *11,250	3050 6500			*2550 *5650	2150 4750	5.83 18.94

* Limited by hydraulic capacity rather than tipping load. The above loads are in compliance with SAE hydraulic excavator lift capacity rating standard J1097. 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.



Reach Boom Lift Capacities



Load Point Height



Load at Maximum Reach



Load Radius Over Front















Load Radius Over Side

R2.5 STICK – 2500 mm (8'2")
BUCKET – 0.52 m³ (0.68 yd³)

UNDERCARRIAGE – Long
SHOES – 770 mm (30") triple grouser

BOOM – 4650 mm (15'3")
BLADE – Up













	1.5 m (5.0 ft)		3.0 m (10.0 ft)		4.5 m (15.0 ft)		6.0 m (20.0 ft)				m ft	
												
6.0 m 20.0 ft	kg lb									*1350 *2950	*1350 *2950	6.63 21.52
4.5 m 15.0 ft	kg lb					*3000 *6550	*3000 *6550	*3000 *6550	2300 4950	*1250 *2750	*1250 *2750	7.51 24.52
3.0 m 10.0 ft	kg lb			*5050 *10,800	*5050 *10,800	*3800 *8200	3650 7800	*3250 *7100	2250 4850	*1250 *2800	*1250 *2800	7.93 26.00
1.5 m 5.0 ft	kg lb			*7650 *16,400	6250 13,450	*4800 *10,300	3400 7250	3350 7150	2150 4600	*1350 *2950	1350 2950	8.00 26.24
Ground Line	kg lb			*6750 *15,650	5850 12,600	5100 10,950	3200 6800	3250 6950	2050 4400	*1500 *3300	1400 3050	7.72 25.32
-1.5 m -5.0 ft	kg lb	*4300 *9650	*4300 *9650	*8800 *19,100	5800 12,400	5000 10,750	3100 6650	3200 6850	2050 4350	*1850 *4050	1600 3550	7.05 23.07
-3.0 m -10.0 ft	kg lb	*7650 *17,250	*7650 *17,250	*7850 *16,950	5900 12,600	5050 10,800	3100 6700			*2550 *5650	2200 4900	5.83 18.94

* Limited by hydraulic capacity rather than tipping load. The above loads are in compliance with SAE hydraulic excavator lift capacity rating standard J1097. 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.

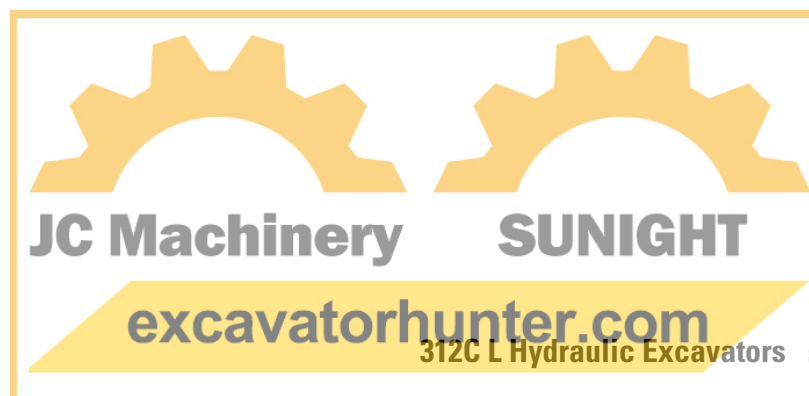
R2.5 STICK – 2500 mm (8'2")
BUCKET – 0.52 m³ (0.68 yd³)

UNDERCARRIAGE – Long
SHOES – 770 mm (30") triple grouser

BOOM – 4650 mm (15'3")
BLADE – Down

	1.5 m (5.0 ft)		3.0 m (10.0 ft)		4.5 m (15.0 ft)		6.0 m (20.0 ft)				m ft	
												
6.0 m 20.0 ft	kg lb									*1350 *2950	*1350 *2950	6.63 21.52
4.5 m 15.0 ft	kg lb					*3000 *6550	*3000 *6550	*3000 *6550	2300 4950	*1250 *2750	*1250 *2750	7.51 24.52
3.0 m 10.0 ft	kg lb			*5050 *10,800	*5050 *10,800	*3800 *8200	3650 7800	*3250 *7100	2250 4850	*1250 *2800	*1250 *2800	7.93 26.00
1.5 m 5.0 ft	kg lb			*7650 *16,400	6250 13,450	*4800 *10,300	3400 7250	*3700 *8050	2150 4600	*1350 *2950	1350 2950	8.00 26.24
Ground Line	kg lb			*6750 *15,650	5850 12,600	*5500 *11,900	3200 6800	*4050 *8800	2050 4400	*1500 *3300	1400 3050	7.72 25.32
-1.5 m -5.0 ft	kg lb	*4300 *9650	*4300 *9650	*8800 *19,100	5800 12,400	*5750 *12,400	3100 6650	*4100 *8900	2050 4350	*1850 *4050	1600 3550	7.05 23.07
-3.0 m -10.0 ft	kg lb	*7650 *17,250	*7650 *17,250	*7850 *16,950	5900 12,600	*5250 *11,250	3100 6700			*2550 *5650	2200 4900	5.83 18.94

* Limited by hydraulic capacity rather than tipping load. The above loads are in compliance with SAE hydraulic excavator lift capacity rating standard J1097. 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.



Reach Boom Lift Capacities



Load at
Maximum Reach



Load Radius
Over Front

















Load Radius
Over Side

R3.0 STICK – 3000 mm (9'10")
BUCKET – 0.52 m³ (0.68 yd³)

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

BOOM – 4650 mm (15'3")
BLADE – Up















	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											*1400 *3050	*1400 *3050	5.77 18.43
6.0 m 20.0 ft	kg lb						*2200 *4350	*2200 *4350				*1200 *2600	*1200 *2600	7.18 23.34
4.5 m 15.0 ft	kg lb						*2600 *5750	2250 4750				*1150 *2500	*1150 *2500	7.98 26.09
3.0 m 10.0 ft	kg lb				*3300 *7150	*3300 *7150	2900 6200	2150 4600	*1650 *3600	1400 3100		*1150 *2500	*1150 *2500	8.38 27.46
1.5 m 5.0 ft	kg lb		*6750 *14,550	6150 13,250	*4350 *9450	3250 7000	2800 5950	2050 4350	1900 4050	1350 2900		*1250 *2700	1100 2450	8.44 27.70
Ground Line	kg lb		*7800 *18,050	5600 12,050	4200 9050	3000 6450	2650 5700	1950 4150	1850 4050	1350 2900		*1400 *3050	1150 2550	8.18 26.83
-1.5 m -5.0 ft	kg lb	*3950 *8800	*3950 *8800	8250 17,600	5450 11,650	4100 8750	2900 6200	2600 5550	1850 4000			*1650 *3650	1300 2900	7.56 24.75
-3.0 m -10.0 ft	kg lb	*6550 *14,800	*6550 *14,800	*8300 17,700	5500 11,750	4050 8700	2900 6200	2600 5600	1900 4050			*2250 *5000	1750 3850	6.46 21.03
-4.5 m -15.0 ft	kg lb			*6500 *13,750	5700 12,200	*4150 *8550	3000 6450					*3600 *7950	2700 6150	4.83 15.56

* Limited by hydraulic capacity rather than tipping load. The above loads are in compliance with SAE hydraulic excavator lift capacity rating standard J1097. 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.

R3.0 STICK – 3000 mm (9'10")
BUCKET – 0.52 m³ (0.68 yd³)

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

BOOM – 4650 mm (15'3")
BLADE – Down

	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											*1400 *3050	*1400 *3050	5.77 18.43
6.0 m 20.0 ft	kg lb						*2200 *4350	*2200 *4350				*1200 *2600	*1200 *2600	7.18 23.34
4.5 m 15.0 ft	kg lb						*2600 *5750	2250 4750				*1150 *2500	*1150 *2500	7.98 26.09
3.0 m 10.0 ft	kg lb				*3300 *7150	*3300 *7150	*2950 *6450	2150 4600	*1650 *3600	1400 3100		*1150 *2500	*1150 *2500	8.38 27.46
1.5 m 5.0 ft	kg lb		*6750 *14,550	6510 13,250	*4350 *9450	3250 7000	*3450 *7450	2050 4350	*2350 *4250	1350 2900		*1250 *2700	1100 2450	8.44 27.70
Ground Line	kg lb		*7800 *18,100	5600 12,050	*5250 *11,350	3000 6450	*3900 *8400	1950 4150	*2100 *4650	1350 2900		*1400 *3050	1150 2550	8.18 26.83
-1.5 m -5.0 ft	kg lb	*3950 *8800	*3950 *8800	*8750 *19,200	5450 11,650	*5650 *12,250	2900 6200	*4100 *8800	1850 4000			*1650 *3650	1300 2900	7.56 24.75
-3.0 m -10.0 ft	kg lb	*6550 *14,800	*6550 *14,800	*8300 *17,850	5500 11,750	*5450 *11,700	2900 6200	*3800 *8000	1900 4050			*2250 *5000	1750 3850	6.46 21.03
-4.5 m -15.0 ft	kg lb			*6500 *13,750	5700 12,200	*4150 *8550	3000 6450					*3600 *7950	2700 6150	4.83 15.56

* Limited by hydraulic capacity rather than tipping load. The above loads are in compliance with SAE hydraulic excavator lift capacity rating standard J1097. 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.

JC Machinery **SUNIGHT**

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Reach Boom Lift Capacities



Load Point Height



Load at Maximum Reach



Load Radius Over Front

















Load Radius Over Side

R3.0 STICK – 3000 mm (9'10")
BUCKET – 0.52 m³ (0.68 yd³)

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

BOOM – 4650 mm (15'3")
BLADE – Up















	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											*1400 *3050	*1400 *3050	5.77 18.44
6.0 m 20.0 ft	kg lb						*2200 *4350	*2200 *4350				*1200 *2600	*1200 *2600	7.18 23.34
4.5 m 15.0 ft	kg lb						*2600 *5750	2300 4850				*1150 *2500	*1150 *2500	7.98 26.10
3.0 m 10.0 ft	kg lb					*3300 *7150	*3300 *7150	*2950 *6450	2200 4700	*1650 *3600	1450 3150	*1150 *2500	*1150 *2500	8.38 27.47
1.5 m 5.0 ft	kg lb			*6750 *14,550	6300 13,500	*4350 *9450	3300 7100	3250 6950	2100 4450	2200 *4250	1400 3000	*1250 *2700	1150 2500	8.44 27.70
Ground Line	kg lb			*7800 *18,100	5750 12,300	4950 10,600	3100 6600	3100 6650	2000 4250	*2100 *4650	1350 3000	*1400 *3050	1200 2600	8.18 26.83
-1.5 m -5.0 ft	kg lb	*3950 *8800	*3950 *8800	*8750 *19,200	5550 11,900	4800 10,300	2950 6350	3050 6500	1900 4100			*1650 *3650	1350 2950	7.56 24.75
-3.0 m -10.0 ft	kg lb	*6600 *14,800	*6600 *14,800	*8300 *17,850	5600 12,000	4800 10,300	2950 6300	3050 6550	1950 4150			*2250 *5000	1800 3950	6.45 21.03
-4.5 m -15.0 ft	kg lb			*6450 *13,750	5800 12,450	*4100 *8550	3050 6600					*3600 *7950	2800 6300	4.83 15.55

* Limited by hydraulic capacity rather than tipping load. The above loads are in compliance with SAE hydraulic excavator lift capacity rating standard J1097. 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.

R3.0 STICK – 3000 mm (9'10")
BUCKET – 0.52 m³ (0.68 yd³)

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

BOOM – 4650 mm (15'3")
BLADE – Down

	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											*1400 *3050	*1400 *3050	5.77 18.44
6.0 m 20.0 ft	kg lb						*2200 *4350	*2200 *4350				*1200 *2600	*1200 *2600	7.18 23.34
4.5 m 15.0 ft	kg lb						*2600 *5750	2300 4850				*1150 *2500	*1150 *2500	7.98 26.10
3.0 m 10.0 ft	kg lb					*3300 *7150	*3300 *7150	*2950 *6450	2200 4700	*1650 *3600	1450 3150	*1150 *2500	*1150 *2500	8.38 27.47
1.5 m 5.0 ft	kg lb			*6750 *14,550	6300 13,500	*4350 *9450	3300 7100	*3450 *7450	2100 4450	*2350 *4250	1400 3000	*1250 *2700	1150 2500	8.44 27.70
Ground Line	kg lb			*7800 *18,100	5750 12,300	*5250 *11,350	3100 6600	*3900 *8400	2000 4250	*2100 *4650	1350 3000	*1400 *3050	1200 2600	8.18 26.83
-1.5 m -5.0 ft	kg lb	*3950 *8800	*3950 *8800	*8750 *19,200	5550 11,900	*5650 *12,250	2950 6350	*4100 *8800	1900 4100			*1650 *3650	1350 2950	7.56 24.75
-3.0 m -10.0 ft	kg lb	*6600 *14,800	*6600 *14,800	*8300 *17,850	5600 12,000	*5450 *11,700	2950 6300	*3800 *8000	1950 4150			*2250 *5000	1800 3950	6.45 21.03
-4.5 m -15.0 ft	kg lb			*6450 *13,750	5800 12,450	*4100 *8550	3050 6600					*3600 *7950	2800 6300	4.83 15.55

* Limited by hydraulic capacity rather than tipping load. The above loads are in compliance with SAE hydraulic excavator lift capacity rating standard J1097. 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.

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312C L Hydraulic Excavators specifications

Reach Boom Lift Capacities



Load Point Height

Load at Maximum Reach















Load Radius Over Front

Load Radius Over Side

R3.0 STICK – 3000 mm (9'10")
BUCKET – 0.52 m³ (0.68 yd³)

UNDERCARRIAGE – Standard
SHOES – 770 mm (30") triple grouser

BOOM – 4650 mm (15'3")
BLADE – Up















	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											*1400 *3050	*1400 *3050	5.77 18.43
6.0 m 20.0 ft	kg lb						*2200 *4350	*2200 *4350				*1200 *2600	*1200 *2600	7.18 23.34
4.5 m 15.0 ft	kg lb						*2600 *5750	2300 4900				*1150 *2500	*1150 *2500	7.98 26.09
3.0 m 10.0 ft	kg lb				*3300 *7150	*3300 *7150	*2950 6400	2200 4750	*1650 *3600	1450 3200	*1150 *2500	*1150 *2500	8.38 27.46	
1.5 m 5.0 ft	kg lb		*6750 *14,550	6300 13,550	*4350 *9450	3350 7150	2850 6150	2100 4500	1950 4150	1400 3000	*1250 *2700	1150 2550	8.44 27.70	
Ground Line	kg lb		*7800 *18,100	5750 12,350	4350 9300	3100 6650	2750 5900	2000 4250	1900 4200	1400 3000	*1400 *3050	1200 2600	8.18 26.83	
-1.5 m -5.0 ft	kg lb	*3950 *8800	*3950 *8800	8500 18,150	5600 12,000	4200 9000	3000 6400	2700 5750	1950 4150		*1650 *3650	1350 3000	7.56 24.75	
-3.0 m -10.0 ft	kg lb	*6550 *14,800	*6550 *14,800	*8300 *17,850	5650 12,050	4200 9000	2950 6350	2700 5800	1950 4150		*2250 *5000	1800 3950	6.46 21.03	
-4.5 m -15.0 ft	kg lb			*6500 *13,750	5850 12,550	*4150 *8550	3100 6650				*3600 *7950	2800 6350	4.83 15.56	

* Limited by hydraulic capacity rather than tipping load. The above loads are in compliance with SAE hydraulic excavator lift capacity rating standard J1097. 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.

R3.0 STICK – 3000 mm (9'10")
BUCKET – 0.52 m³ (0.68 yd³)

UNDERCARRIAGE – Standard
SHOES – 770 mm (30") triple grouser

BOOM – 4650 mm (15'3")
BLADE – Down

	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											*1400 *3050	*1400 *3050	5.77 18.43
6.0 m 20.0 ft	kg lb						*2200 *4350	*2200 *4350				*1200 *2600	*1200 *2600	7.18 23.34
4.5 m 15.0 ft	kg lb						*2600 *5750	2300 4900				*1150 *2500	*1150 *2500	7.98 26.09
3.0 m 10.0 ft	kg lb				*3300 *7150	*3300 *7150	*2950 *6450	2200 4750	*1650 *3600	1450 3200	*1150 *2500	*1150 *2500	8.38 27.46	
1.5 m 5.0 ft	kg lb		*6750 *14,550	6300 13,550	*4350 *9450	3350 7150	*3450 *7450	2100 4500	*2350 *4250	1400 3000	*1250 *2700	1150 2500	8.44 27.70	
Ground Line	kg lb		*7800 *18,100	5750 12,350	*5250 *11,350	3100 6650	*3900 *8400	2000 4250	*2100 *4650	1400 3000	*1400 *3050	1200 2600	8.18 26.83	
-1.5 m -5.0 ft	kg lb	*3950 *8800	*3950 *8800	*8750 *19,200	5600 12,000	*5650 *12,250	3000 6400	*4100 *8800	1950 4150		*1650 *3650	1350 3000	7.56 24.75	
-3.0 m -10.0 ft	kg lb	*6550 *14,800	*6550 *14,800	*8300 *17,850	5650 12,050	*5450 *11,700	2950 6350	*3800 *8000	1950 4150		*2250 *5000	1800 3950	6.46 21.03	
-4.5 m -15.0 ft	kg lb			*6500 *13,750	5850 12,550	*4150 *8550	3100 6650				*3600 *7950	2800 6350	4.83 15.56	

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Reach Boom Lift Capacities



Load Point Height



Load at Maximum Reach



Load Radius Over Front

















Load Radius Over Side

R3.0 STICK – 3000 mm (9'10")
BUCKET – 0.52 m³ (0.68 yd³)

UNDERCARRIAGE – Long
SHOES – 770 mm (30") triple grouser

BOOM – 4650 mm (15'3")
BLADE – Up















	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											*1400 *3050	*1400 *3050	5.77 18.44
6.0 m 20.0 ft	kg lb						*2200 *4350	*2200 *4350				*1200 *2600	*1200 *2600	7.18 23.34
4.5 m 15.0 ft	kg lb						*2600 *5750	2350 5000				*1150 *2500	*1150 *2500	7.98 26.10
3.0 m 10.0 ft	kg lb				*3300 *7150	*3300 *7150	*2950 *6450	2250 4850	*1650 *3600	1500 3250	*1150 *2500	*1150 *2500	8.38 27.47	
1.5 m 5.0 ft	kg lb		*6750 *14,550	6450 13,850	*4350 *9450	3400 7300	3350 7150	2150 4600	2300 *4250	1450 3100	*1250 *2700	1200 2600	8.44 27.70	
Ground Line	kg lb		*7800 *18,100	5900 12,650	5100 10,950	3200 6800	3200 6900	2050 4350	*2100 *4650	1400 3100	*1400 *3050	1250 2700	8.18 26.83	
-1.5 m -5.0 ft	kg lb	*3950 *8800	*3950 *8800	*8750 *19,200	5750 12,250	4950 10,650	3050 6550	3150 6750	2000 4250		*1650 *3650	1400 3100	7.56 24.75	
-3.0 m -10.0 ft	kg lb	*6600 *14,800	*6600 *14,800	*8300 *17,850	5750 12,350	4950 10,600	3050 6500	3150 6750	2000 4250		*2250 *5000	1850 4050	6.45 21.03	
-4.5 m -15.0 ft	kg lb			*6450 *13,750	5950 12,800	*4100 *8550	3150 6800				*3600 *7950	2850 6500	4.83 15.55	

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BOOM – 4650 mm (15'3")
BLADE – Down

	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											*1400 *3050	*1400 *3050	5.77 18.44
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4.5 m 15.0 ft	kg lb						*2600 *5750	2350 5000				*1150 *2500	*1150 *2500	7.98 26.10
3.0 m 10.0 ft	kg lb				*3300 *7150	*3300 *7150	*2950 *6450	2250 4850	*1650 *3600	1500 3250	*1150 *2500	*1150 *2500	8.38 27.47	
1.5 m 5.0 ft	kg lb		*6750 *14,550	6450 13,850	*4350 *9450	3400 7300	*3450 *7450	2150 4600	*2350 *4250	1450 3100	*1250 *2700	1200 2600	8.44 27.70	
Ground Line	kg lb		*7800 *18,100	5900 12,650	*5250 *11,350	3200 6800	*3900 *8400	2050 4350	*2100 *4650	1400 3100	*1400 *3050	1250 2700	8.18 26.83	
-1.5 m -5.0 ft	kg lb	*3950 *8800	*3950 *8800	*8750 *19,200	5750 12,250	*5650 *12,250	3050 6550	*4100 *8800	2000 4250		*1650 *3650	1400 3100	7.56 24.75	
-3.0 m -10.0 ft	kg lb	*6600 *14,800	*6600 *14,800	*8300 *17,850	5750 12,350	*5450 *11,700	3050 6500	*3800 *8000	2000 4250		*2250 *5000	1850 4050	6.45 21.03	
-4.5 m -15.0 ft	kg lb			*6450 *13,750	5950 12,800	*4100 *8550	3150 6800				*3600 *7950	2850 6500	4.83 15.55	

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JC Machinery SUNIGHT

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312C L Hydraulic Excavators specifications

Standard Equipment

Standard equipment may vary. Consult your Caterpillar Dealer for specifics.

Alternator, 50 amp

Automatic engine speed control

Automatic swing brake

Automatic work modes

Auxiliary hydraulic valve (1)

Bolt-on Falling Objects Guard System (FOGS) capability

Cab

- AM/FM radio, 24-volt
- Ash tray with cigar lighter
- Bi-level air conditioner with defroster
- Drink holder
- Floor mat
- Fully adjustable suspension seat
- Horn
- Hydraulic neutralizer lever for all controls
- Joysticks, adjustable pilot-operated
- Language display monitor with gauges
 - Clock
 - Filter/fluid change information
 - Level check for hydraulic oil, engine oil and coolant
 - Warning messages
 - Working hour information
- Light, interior
- Light, storage box mounted (1)
- Literature holder
- Openable front windshield
- Openable skylight with sunshade
- Storage compartment
- Travel control pedals with removable hand levers

Doors and caps lock with one-key security system

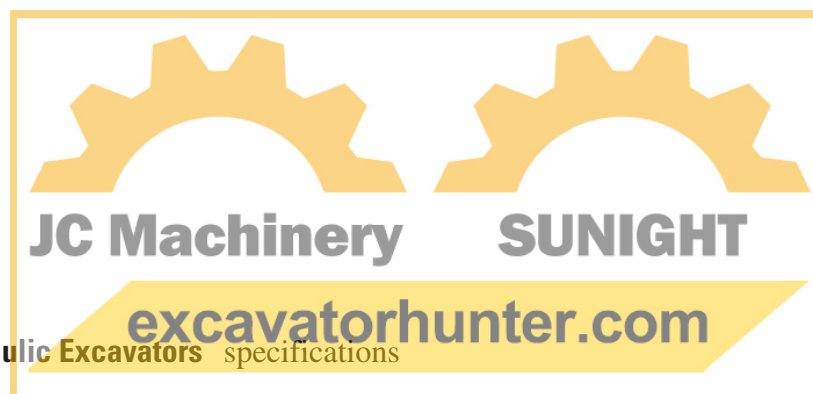
Mirrors (frame and cab)

Power train

- Cat 3064T diesel engine
 - 24-volt electric starting
 - Air intake heater
- Swing-out oil cooler
- Water separator

Undercarriage

- 312C 20" (500 mm) triple grouser shoes
- 312C L 24" (600 mm) triple grouser shoes and center section track guiding guards
- Hydraulic track adjusters
- Idler section track guiding guards
- Track-type undercarriage with grease lubricated seals



Optional Equipment

Optional equipment may vary. Consult your Caterpillar Dealer for specifics.

Air prefilter

Auxiliary hydraulics - dual directions and a medium pressure circuit

Auxiliary hydraulics for hydraulic hammer

Auxiliary hydraulics for hydraulic thumb

Auxiliary hydraulic lines from booms and sticks

Blade, 8'2" (2500 mm) with replaceable cutting edges (for 20" (500 mm) triple grouser shoes)

Blade, 8'6" (2600 mm) with replaceable cutting edges (for 24" (600 mm) triple grouser shoes)

Blade, 8'10" (2700 mm) with replaceable cutting edges (for 28" (700 mm) and 30" (770 mm) triple grouser shoes)

Boom lowering control device (mandatory in certain countries)

Bucket linkage

Cab fan

Cab front mesh guard for use with hammers

Cab mounted working lights

Cab with polycarbonate windows (mandatory in certain countries)

Cold weather start

Falling Object Guard System

Front windshield guard

Hand control pattern changer

Heavy-duty bottom guard

High ambient cooling system

KAB 527 seat

KAB 527 seat with heater

Lower windshield wiper

Power Supply 12V

Rain protector

Rear window with external opening provisions (mandatory in British Columbia)

Right side boom lights

Secondary exit, rear window (mandatory in certain countries)

Steel side bumpers

Stick and boom combinations:

- 15'3" (4.65 m) boom with left side light

- 9'10" (3.0 m) stick

- 8'2" (2.5 m) stick

Straight travel pedal

Sun visor

Swivel guard

Track:

- 312C 24" (600 mm) triple grouser shoes

- 312C/312C L 28" (700 mm) triple grouser shoes

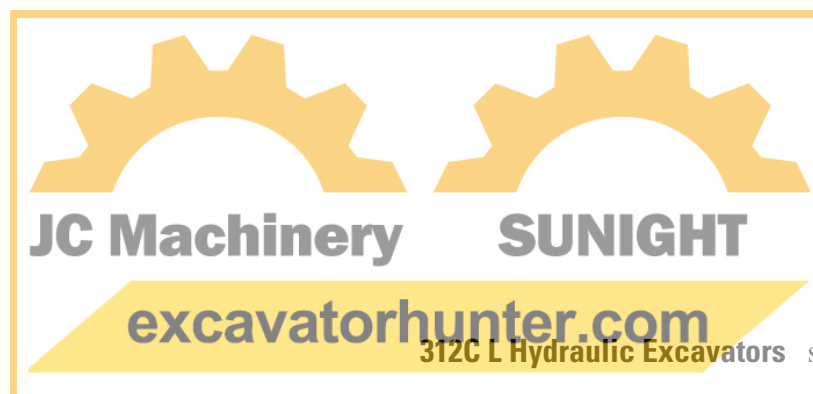
- 312C L 30" (770 mm) triple grouser shoes

- 312C 20" (500 mm) segment rubber track

Track guiding guard, center (312C)

Travel alarm (mandatory in certain countries)

Vandalism protection



312C L Hydraulic Excavators

AEHQ5551 (6-03)
(Replaces AEHQ5414)

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Featured machines in photos may include additional equipment.
See your Caterpillar dealer for available options.



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