330C L
330C LN
Hydraulic Excavators

Cat® C-9 ATAAC diesel engine	
Gross power	197 kW/264 hp
Net power	181 kW/243 hp
Operating weight range	**34 300 to 37 300 kg**
Travel speed	**5.0/3.3 km/h**
Drawbar pull	**294 kN**

330C L and 330C LN Hydraulic Excavators

The C Series incorporates innovations for improved performance and versatility.

Engine

✔ Cat C-9 ATAAC diesel engine is built for performance, durability, excellent fuel economy, low sound levels and it meets EU directive 97/68EC Stage II. This innovative engine features Caterpillar's exclusive Advanced Diesel Engine Management (ADEM™-III) electronic control module for advanced troubleshooting and diagnostic capabilities. **pg. 4**

Hydraulics

Cat C-9 engine and hydraulics give the 330C L and 330C LN exceptional power, efficiency and controllability unmatched in the industry for consistently high performance in all applications. **pg. 5**

SmartBoom™

- Easier and smoother operation.
- Faster cycle times in rock scraping and truck loading.
- Optimum hammering for effective productivity. **pg. 6**

Ease of Operation

✔ Compact Multipro monitor enhances viewing while displaying a variety of easy to read and understand language-based information. Designed for simple, easy operation, the 330C L and 330C LN allow the operator to focus on production. **pg. 7**

Increased work-tool options, improved cycle times, and ease of operation lead to increased productivity and lower operating costs.

✔ *New features*

Operator Comfort

✔ Redesigned interior layout maximizes operator space, provides exceptional comfort, and reduces operator fatigue. **pg. 8-9**

Durability

Rugged Caterpillar® undercarriage design and proven structural manufacturing techniques assure outstanding durability in the toughest applications. **pg. 10**

Work Tools

✔ Ex-factory available Buckets, Multi-processors, Sorting and Demolition Grapples, Hammers and Quick Couplers provide a total solution package to the end-user. **pg. 14**

Buckets and Teeth

A wide variety of bucket types with aggressive designs take advantage of the high digging forces to improve productivity. **pg. 13**

Booms and Sticks

Built for good performance and long service life, Caterpillar booms and sticks are large, welded box-section structures with thick, multi-plate fabrications that resist high stress. Designed-in flexibility to help bring higher production and efficiency to all jobs. **pg. 12**

Serviceability

Longer service intervals and easier maintenance result in better machine availability and lower owning and operating costs. **pg. 11**

Complete Customer Service

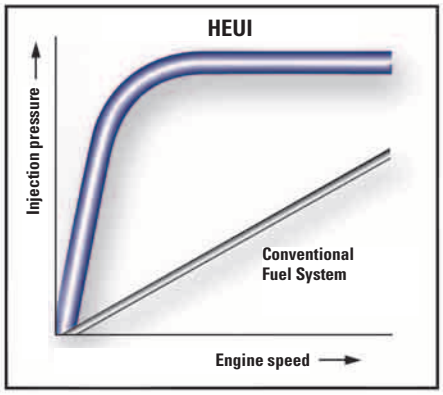
Your Cat dealer offers a wide range of services that can be set up under a customer support agreement when you purchase your equipment. The dealer will help you choose a plan that can cover everything from machine and attachment selection to replacement.

C-9 ATAAC Engine

The six-cylinder, HEUI-B, turbocharged and air-to-air aftercooled engine is built for power, reliability, low maintenance, excellent fuel economy and low emissions.

Powerful performance. The C-9 ATAAC engine delivers, at the rated speed of 1800 rpm, a net power of 181 kW (243 hp), and meets all current worldwide emissions standards.

HEUI Fuel System. In the traditional common rail fuel system, the entire fuel line is under high pressure. With the HEUI system, fuel remains at low pressure until it is injected into the cylinder. Fuel pressure is created hydraulically in response to a signal from the Electronic Control Module (ECM).



Injection pressure in a HEUI fuel system is independent of engine speed.

HEUI controls injection pressure electronically. This unique capability means the regulation of injection pressure is completely independent of crankshaft speed. Peak injection pressure can be achieved under acceleration and lug conditions, providing better fuel economy, better response and reduced smoke.

Turbocharged and Air-to-air aftercooled. Turbocharger packs more dense air into the cylinders for more complete combustion and lower emissions improving performance and engine efficiency. These benefits are especially useful at high altitudes. Air-to-air aftercooler reduces smoke and emissions by providing a cooler inlet air for more efficient combustion. This also extends the life of the piston rings and bore.

Four valves. Four valves per cylinder allow good air flow enhancing fuel efficiency and heat rejection.

Cooling system. The 330C L and the 330C LN feature unique side by side radiators. In order to ease cleaning of water and hydraulic oil radiators, these are separated. Since they are protected by a fine mesh screen and not stacked on each other, cleaning of plugged radiators is much easier and therefore reduces the risk of overheating. While engine coolant radiator is ran by a belt, the hydraulic oil radiator is driven by an independent hydraulic pump.

Engine oil. Caterpillar engine oil is formulated to optimize engine life and performance and is strongly recommended for use in Cat diesel engines. The engine oil change interval is increased to 500 hours.

Low sound, low vibration. The C-9 design improves operator comfort by reducing sound and vibration.

Factory remanufactured parts. A large choice of factory remanufactured parts and dealer proposed repair options increase machine availability and reduce total repair costs.

Hydraulics

Fast cycle times and high bucket and stick forces combine to maximize your productivity in any job.

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

- First stage AEC: Selected when the AEC indicator on the Multipro panel is “OFF”. If a no-load or light-load condition continues for more than 3 seconds, the AEC reduces engine speed by 100 rpm.
- Second stage AEC: Selected when the AEC indicator on the Multipro panel is “ON”. If a no-load or light-load condition continues for more than 3 seconds, the AEC reduces engine speed to 1300 rpm.
- Third stage AEC: Pressing the switch on the top of the right hand control joystick when the levers are in neutral position, reduces the engine speed to 1020 rpm. If the switch is pressed again or if a control lever is moved, the engine speed returns to its normal level.

Easy to operate hydraulics.
Cat hydraulics give the 330C L and 330C LN exceptional efficiency and controllability unmatched in the industry for consistently high performance in all applications.
The 330C L/LN easy-to-use hydraulic system provides automatic infinite priority selections between swing and boom, maximizing performance and simplifying operation. Boom and swing priority is adjusted automatically depending on joystick input, eliminating the need to select the work-mode. This is a unique feature in the market.

Auxiliary Hydraulic Circuits.
The new auxiliary hydraulic circuits are electronically controlled, allowing essential parameters for frequently used hydro-mechanical worktools to be pre-recorded. This on-board electro-hydraulic system eliminates the need for manual readjustments to the auxiliary hydraulics, each time a different tool is used.

Hydraulic Pumps Cross Sensing System.
It improves productivity with faster implement speeds and quicker, stronger pivot turns

Hydraulic Cylinder Snubbers.
The hydraulic cylinder snubbers at rod end of boom cylinders and both ends of stick cylinders cushion shocks, reduce sound and increase cylinder life, keeping the machine working longer.

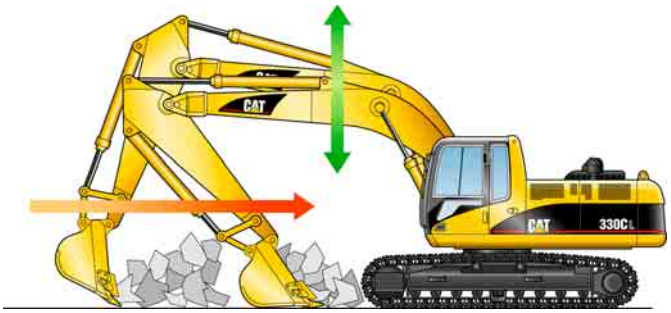
Controllability. The hydraulic system offers precise control to the 330C L/LN, reducing operator fatigue, improving operator effectiveness and efficiency, which ultimately translates into enhanced performance.

Boom and Stick Regeneration Circuit.
Boom and stick regeneration circuits increase efficiency and reduce cycle times for higher productivity and lower operating costs.

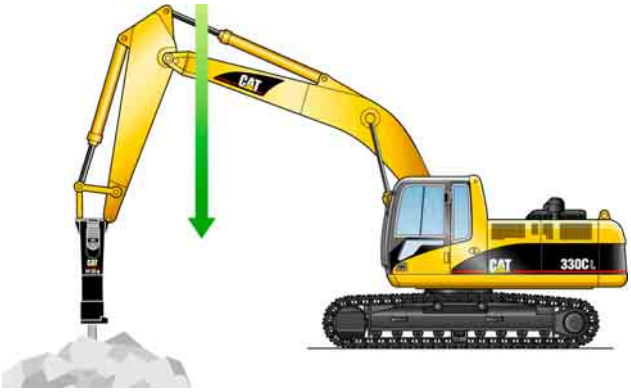
SmartBoom™. The unique Cat SmartBoom™ attachment significantly enhances operator efficiency in applications including rock scraping, finishing work, hammer and truck loading applications.

SmartBoom™

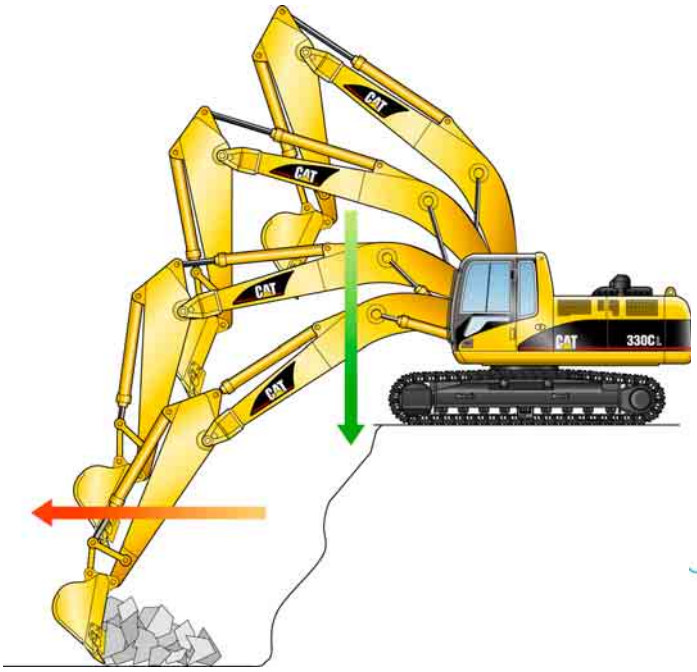
Reduces stress and vibrations transmitted to the machine and provides a more comfortable environment ensuring less operator fatigue.



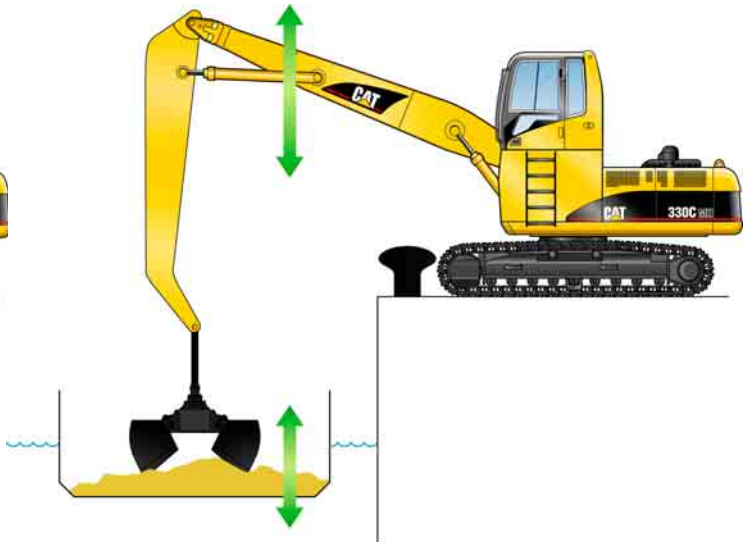
Rock Scraping. Scraping rock and finishing work is easy and fast. SmartBoom™ simplifies the task and allows the operator to fully concentrate on stick and bucket, while boom freely goes up and down without using pump flow.



Hammer Work. It has never been this productive and operator-friendly. The front parts automatically follow the hammer while penetrating the rock. Blank shots or excessive force on the hammer are avoided resulting in longer life for the hammer and the machine. Similar advantages are applicable when using vibratory plates.



Truck Loading. Loading trucks from a bench is more productive and more fuel efficient as the return cycle is reduced while the boom down function does not require pump flow.



Material Handling. It is more efficient and productive due to faster return cycles. Unloading barges is easier because SmartBoom™ avoids excessive force being put on the floor of the barge allowing the operator to fully concentrate on production.

Ease of Operation

Designed for simple, easy operation, the 330C L and 330C LN allow the operator to focus on production.

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

Pre-start Multipro system. The Pre-start Multipro system alerts the operator in case there is low coolant, engine oil and hydraulic oil levels, prior to starting the engine. When the engine key remains in the "ON" position for more than 2 seconds, warning indicators are displayed in language, if actual fluid levels are lower than required.

Filter and Oil Change warnings. The filter and oil change warnings are displayed when the number of hours used reaches the maintenance interval.

Integrated Tool Control system. The integrated Tool Control system allows the operator to quickly select the proper set of flow and pressure parameters out of five pre-set combinations, eliminating the need to re-set these hydraulic parameters each time a tool is changed. Specific flow and pressure can be programmed easily. The one way/two way hydraulic functions are also programmable from the Tool Control system. Each of the five programmed tools can even be given a specific name chosen by the operator.

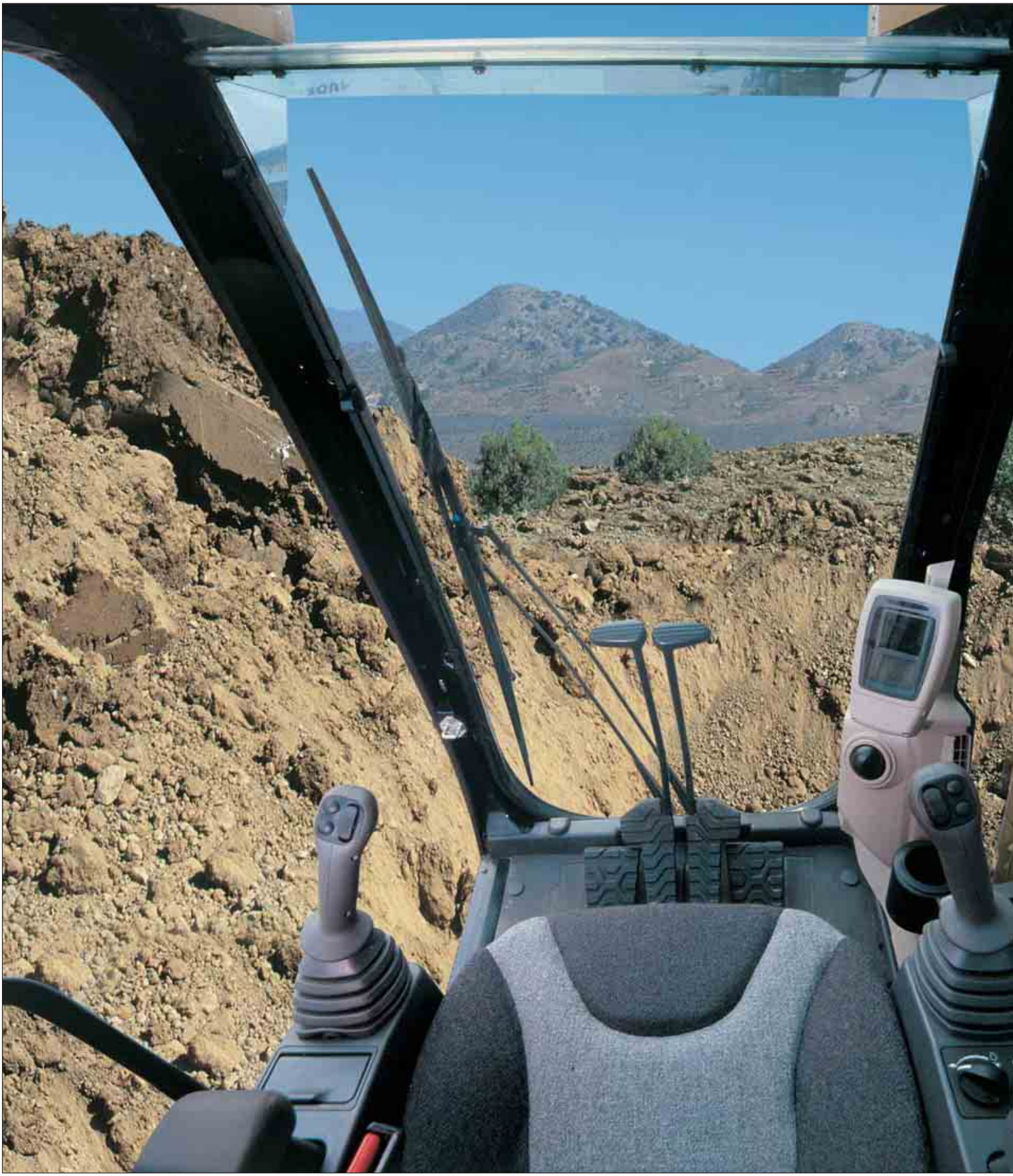
Languages. Twenty different languages are available on the 330C L/LN. The machine can be ordered with up to seven language combinations at a time. A pre-set combination can be overwritten by another language combination with Electronic Technician.

- English, French, German, Italian, Portuguese, Spanish, Japanese
- English, Danish, Finnish, Icelandic, Norwegian, Swedish
- English, Dutch/Flemish, French, German, Italian
- English, Czech, German, Greek, Russian, Turkish
- English, Chinese (simplified), Indonesian, Thai

The individual language can be selected out of the pre-set combination from the Multipro.

All-day operator comfort

The 330C L and 330C LN interior layout maximizes operator space, provides exceptional comfort, and reduces operator fatigue.



Interior Operator Station. The 330C L and 330C LN operator work station is quiet with ergonomic control placement and convenient adjustments, low lever and pedal effort, ergonomic seat design and highly efficient ventilation.

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

Console. Designed for simplicity and functionality. Both consoles have attached adjustable armrests.

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

Greater control convenience. Each of the controls is positioned within easy reach of the operator. Joysticks with sliding switches control all implements and swing functions. The industry-unique sliding switches provide modulated control for hydro-mechanical tools and are designed to increase operator comfort and reduce operator fatigue when working extensively with crushers or shears.

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

Skylight. A unique large polycarbonate skylight provides very good upward visibility, especially usefull in above ground applications.

Viewing area. Excellent viewing area through wide windows. The front window is one piece for undistorted view in utility applications (two pieces optional).

Wipers. Designed to maximize visibility in poor weather conditions. The parallel wiper system covers almost the complete front window without leaving unwiped areas in the immediate line of sight of the operator.

Large storage shelf. Located behind the seat provides sufficient room for a cooling box. An optional lunch box cover is available to close off the storage space if preferred.

Durability

330C L and 330C LN structural components and undercarriage are the backbone of the machine's durability.

Structures. Proven structural manufacturing techniques, assure outstanding durability and service life from these important components.

Carbody Design. X-shaped, box-section carbody provides excellent resistance to torsional bending.

Track Roller Frames. Robot-welded track roller frames are press-formed, pentagonal units to deliver exceptional strength and service life.

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

Undercarriage. Durable Cat undercarriage absorbs stresses and provides excellent stability.

Robotic Welding. Precision robotic welding ensures quality, increases rigidity, reduces internal stresses and enhances durability.

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

Grease-lubricated Track (GLT). It delivers longer track link and inner bushing life. GLT also reduces travel noise and reduces potential for frozen track joints.

Undercarriage Options. Two undercarriage options, long (L) and long narrow (LN) allow you to choose the best machine for your application and business needs.

Long Undercarriage. The long undercarriage (L) maximizes stability and lift capacity. A long, wide and sturdy undercarriage offers a very stable work platform.

Long Narrow Undercarriage. The long and narrow undercarriage (LN) provides the best choice when ease of transport is important while maintaining excellent lift capacity.

Maximum uptime – Service and Maintenance

Extended Service Intervals and Easy access reduce operating costs.

Extended Service Interval. 330C L/LN service and maintenance intervals have been extended to reduce machine service time and increase machine availability.

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 Multipro screen inside the cab.

Ground Level Service. The design and layout of the 330C L/LN was made with the service technician in mind. Most service locations are easily accessible from ground level allowing critical maintenance to get done quickly and efficiently.

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

Diagnostics and Monitoring. The 330C L/LN is equipped with S•O•S℠ sampling ports and hydraulic test ports for the hydraulic system, engine oil and for coolant. A test connection for the Electronic Technician (ET) is located in the air filter compartment.

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

Capsule Filter. The hydraulic return filter, a capsule filter, is situated outside the hydraulic tank. Removing the filter allows shut-off valves to close the hydraulic circuit preventing contaminants from entering the system when the hydraulic oil filter is changed. The capsule filter also keeps the operation clean.

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 fire wall.

Handrails and Steps. Large 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.

Greasing Points. A concentrated remote greasing block on the boom delivers grease to hard-to-reach locations.

Bearings. New boom and stick standard bearings only need greasing every 1000 hours.

Caterpillar Product Link system attachment. It includes a transceiver module (on-board the machine), office application PC software, and a satellite communications network to track machine hours, location, and warnings. Product Link simplifies maintenance scheduling, fleet management, unauthorized machine usage or movement, and product problem event tracking and diagnosis (PL-201).

Booms and Sticks

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

Booms and Sticks. 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.

Option. The choice of two booms and six sticks means the 330C L/LN offer a large combination of reach and digging forces for optimum versatility.

Reach Boom. The reach boom (6500 mm) features an optimum design that maximizes digging envelopes with four stick choices.

- **R4.8C Stick.** The 4800 mm stick gives the largest working envelope with C-sized buckets.
- **R3.9D Stick.** The 3900 mm stick gives the largest working envelope with D-sized buckets.
- **R3.2D Stick.** The 3200 mm stick uses the higher capacity buckets and is best suited for trenching, excavation and general construction applications.
- **R2.8D Stick.** The 2800 mm stick uses high capacity D family buckets for high production applications.
- **R2.15E Stick.** The 2150 mm stick uses E-family linkage and mass excavation buckets for efficient, high volume truck loading applications.

Mass Excavation Boom. The mass excavation boom (6180 mm) maximizes productivity. The ME version offers increased forces to allow use of larger buckets and offers added durability for more severe applications.

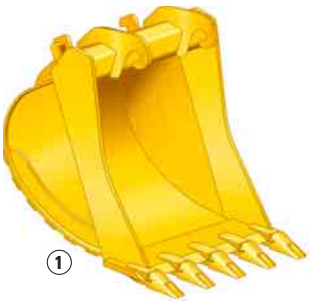
- **M2.15E and M2.55E Sticks.** The 2150 and 2550 mm sticks have been specifically designed for large earth moving applications and use E-sized buckets.

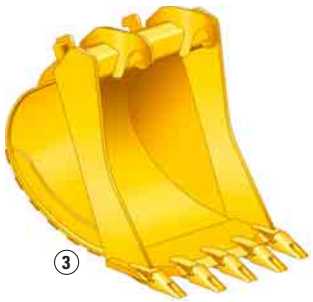
Variable Adjustable (VA) Boom. The variable geometry boom offers superb flexibility and versatility in the working envelope. Boom position can be adjusted from 102° when fully retracted to 158° when fully extended. With full extension, the working range gives both maximum dig depth, reach and working height. 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.

- **M2.15E, M2.55E and M3.5D Sticks.** The 2150, 2550 and 3500 mm sticks provide the necessary strength in digging, lifting and hammering applications with the VA boom.

Buckets and Teeth

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





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

2 Extreme Excavation Bucket. Digs and loads compact/abrasive materials like earth/rock, sand/clay, sand/gravel, coal, chalk and low abrasion ores. Features abrasion resistant steel for all wear parts.

3 Rock Bucket. Digs and loads mixed earth/rock soils containing high percentage of rock or other abrasive materials. Features V-spade cutting edge, thicker base and wear surfaces.

4 Skeleton Bucket. For soft and moist soils and for applications where separation of materials, e.g., branches, peat moss, is required and for breaking up asphalt.

Heavy Duty Skeleton Bucket. As standard skeleton bucket, but for more demanding applications such as sorting rock from sand or gravel on demolition sites.

5 Ditch Cleaning Bucket. Wide, light bucket used mainly with long reach configurations to clean waterbeds and banks.

6 Ripper. Ripper tooth breaks up hard soil during ground preparation. This work tool is optimal for use in quarries to loosen compact rock soils before loading into dump truck or crusher. It is also perfectly suited for pipeline and trenching work. Optionally available with shank protector.

Pin-on version and Quick Couplers. All Cat buckets are available in both quick coupler and pin-on version.

Tip selection

10 Long

11 Heavy Duty Long

12 Penetration

13 Penetration Plus

14 Penetration Long Life

15 Heavy Duty Abrasion

16 Wide

17 Sharp / Corner Sharp

18 Twin Sharp

19 Long Sharp

20 Short

Tool Control System, Quick Couplers and Work-Tools

User-friendly, integrated electro-hydraulics make changing tools easy and quick and allow the operator to focus on efficient work.

Tool Control. Five hydraulic pump flow and pressure settings can be preset on the Multipro, eliminating the need to adjust the hydraulics each time a tool is changed. Selecting the proper setting from the Multipro's menu instantly provides the operator with the correct amount of flow and pressure for the tool. The unique Cat proportional sliding switches provide modulation to the tool and make precision work easy.

Quick Couplers. Caterpillar Quick Couplers enable the operator to simply release one work tool and pick up another. Your hydraulic excavator becomes highly versatile. To suit your business and application needs, Caterpillar offers two different types of Quick Couplers.

CW-Series Dedicated Quick Coupler. The dedicated CW-Series quick coupler enables a quick tool exchange while maintaining top machine performance. It is available in a hydraulic and spindle version.

- The hydraulic version is available in a standard and a narrow version and makes it very easy for the operator to switch tools without having to leave the cab.
- The spindle version is a user-friendly mechanical version that can later be easily converted into the hydraulic version if required. The spindle version is also available in the narrow and standard version.
- A lifting hook is added to the dedicated Quick Coupler for maximum lift capacity.

Pin Grabber Plus Quick Coupler. This hydraulically controlled Pin Grabber Plus quick coupler makes changing buckets and other popular work tools simple and fast. The Pin Grabber Plus coupler mounts to the end of the stick and allows buckets, clamshells and other work tools to be used with little or no modification.

- Each model fully adjusts to different pin spreads of various tools regardless of manufacturer – it is the only coupler that accommodates a wide range of work tool makes and models.
- Pin-on assembly makes coupler installation and removal fast and easy.
- Coupler retains the same bucket opening and closing angles.
- Buckets can be reversed for greater flexibility when working around and under obstructions.
- Integrated lift eye.

A factory installed Quick Coupler hydraulic circuit avoids difficult and costly retrofitting of Quick Coupler hydraulics and allows usage of the most frequently used Quick Coupler systems. Ask your Cat dealer for more specific information.

Multi-Processor. The Caterpillar Multi-Processors can be equipped with different jaw types depending on your need.

- CC-jaws combi cutter
- CR-jaws concrete crusher
- PP-jaws primary pulveriser
- PS-jaws secondary pulveriser
- TS-jaws tank shear
- S-jaws steel

Demolition and Sorting Grapple. The demolition and sorting grapple with unlimited left and right rotation is the ideal tool for stripping, sorting, handling and loading.

Orange Peel Grapple. Specifically designed for handling scrap and rock in recycling and transfer applications.

Hammer. With their wide variety of tools, Cat hammers provide the perfect match for maximum life, efficiency, and productivity.

Work Tools Matching Guide

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

Without quick coupler		Reach boom 6500 mm								VA boom 6520 mm					
		330C L				330C LN				330C L			330C LN		
	mm	2150	2800	3200	3900	2150	2800	3200	3900	2150	2550	3500	2150	2550	3500
Hammers	H130 s	×				×									
	H140D s														
	H160D s											×	×	×	×
Mechanical Pulverizers	P120	×				×				×	×		×	×	
	P130														
Multiprocessor	MP20 CC, CR, PP, PS, S, TS	×				×				×	×		×	×	
	MP30 CC, CR, S, TS				×			×	×			×		×	×
	MP30 PP, PS			×	×		×	×	×		×	×	×	×	×
Crushers	VHC-40	×				×				×	×		×	×	
	VHC-50				×			×	×			×		×	×
Pulverizers	VHP-40	×				×				×	×		×	×	
	VHP-50				×				×						×
Mechanical Shears	S115	×				×				×	×		×	×	
	S128														
360° rotatable Shears	S325	×				×				×	×		×	×	
	S340		×	×	×	×	×	×	×	×	×	×	×	×	×
	S340*														
	S365*					×	×	×	×	×	×	×	×	×	×
Straight Shear	S465*														
Mechanical Grapples	G115	×				×				×	×		×	×	
	G125								×						×
Demolition and Sorting Grapple	G320	×				×				×	×		×	×	
	G330				×				×						×
Compactors	CVP110														
With quick coupler															
Quick Coupler	CW-45														
	CW-45S														
Hammers	H130 s	×				×									
	H140D s														
	H160D s								×			×	×	×	×
Multiprocessor	MP20 CC, CR, S	×				×				×	×		×	×	
	MP20 PP, PS, TS	×				×				×	×		×	×	
	MP30 CC, CR, S, TS			×	×	×	×	×	×		×	×	×	×	×
	MP30 PP, PS		×	×	×	×	×	×	×	×	×	×	×	×	×
Crushers	VHC-40	×				×				×	×		×	×	
	VHC-50			×	×	×	×	×	×		×	×	×	×	×
Pulverizers	VHP-40	×				×				×	×		×	×	
	VHP-50				×		×	×	×			×	×	×	×
360° rotatable Shear	S325	×			×	×			×	×	×	×	×	×	×
Mechanical Grapple	G125				×			×	×	×	×	×	×	×	×
Demolition and Sorting Grapples	G320	×				×			×	×	×		×	×	×
	G330				×		×	×	×		×	×	×	×	×
Compactors	CVP110														

* Boom Mounted

360° Working Range
Over the front only
Available
× Not Compatible

Bucket Specifications

Contact your Caterpillar dealer for special bucket requirements.
All buckets are available to fit the Cat quick coupler.

Buckets (bucket weights including tips)

Bucket type	Linkage	Width	Weight	Capacity (SAE)	Reach boom 6500 mm								ME boom 6180 mm			
					330C L				330C LN				330C L		330C LN	
		mm	kg	m^3	R2.15	R2.8	R3.2	R3.9	R2.15	R2.8	R3.2	R3.9	M2.15	M2.55	M2.15	M2.55
Excavation	D	1000	1125	1.11	×				×				×		×	
	D	1350	1334	1.62	×				×				×		×	
	D	1500	1444	1.85	×				×				×		×	
	D	1600	1501	1.99	×				×			N	×		×	
	D	1650	1529	2.07	×				×			N	×		×	
	D	1700	1558	2.14	×				×			N	×		×	
	D	1800	1616	2.29	×			N	×			N	×		×	
	E	1500	1586	1.93		×	×	×		×	×	×		×		×
	E	1700	1715	2.24		×	×	×		×	×	×		×		×
Extreme Excavation	D	1600	1648	1.99	×				×			N	×		×	
	D	1650	1679	2.07	×				×			N	×		×	
	D	1700	1710	2.14	×				×			N	×		×	
	E	1700	1912	2.2		×	×	×		×	×	×		×		×
Rock	D	1000	1313	1.0	×				×				×		×	
	D	1650	1804	1.9	×				×			N	×		×	
	E	1500	1724	1.93		×	×	×		×	×	×		×		×
	E	1800	1967	2.4		×	×	×		×	×	×		×		×
Maximum load in kg (payload plus bucket)					5637	5098	4766	4162	5017	4550	4245	3693	6091	5593	5436	4990

Buckets and Quick Coupler

Bucket type	Linkage	Width	Weight	Capacity (SAE)	Reach boom 6500 mm								ME boom 6180 mm			
					330C L				330C LN				330C L		330C LN	
		mm	kg	m^3	R2.15	R2.8	R3.2	R3.9	R2.15	R2.8	R3.2	R3.9	M2.15	M2.55	M2.15	M2.55
Excavation	D	1000	983	1.11	×				×				×		×	
	D	1350	1203	1.62	×				×				×		×	
	D	1500	1306	1.85	×				×				×		×	
	D	1600	1365	1.99	×				×				×		×	
	D	1650	1393	2.07	×				×			N	×		×	
	D	1700	1426	2.14	×				×			N	×		×	
	D	1800	1493	2.29	×				×			N	×		×	
	E	1500	1507	1.93		×	×	×		×	×	×		×		×
	E	1700	1653	2.24		×	×	×		×	×	×		×		×
Extreme Excavation	D	1600	1454	1.99	×				×			N	×		×	
	D	1650	1486	2.07	×				×			N	×		×	
	D	1700	1512	2.14	×				×			N	×		×	
	E	1700	1748	2.2		×	×	×		×	×	×		×		×
Rock	D	1000	1089	1.0	×				×				×		×	
	D	1650	1531	1.9	×				×			N	×		×	
	E	1500	1637	1.93		×	×	×		×	×	×		×		×
	E	1800	1877	2.4		×	×	×		×	×	×		×		×
Maximum load in kg (payload plus bucket)					4438	4073	3799	3295	3906	3594	3340	2878	4802	4410	4244	3891

Max. Material density 1200 kg/m^3

Max. Material density 1500 kg/m^3

Material density 1800 kg/m^3 and more

N Not recommended

× Not compatible

Engine

Cat C-9 ATAAC diesel engine	
Ratings	1800 rpm
Net Power	
ISO 9249	181 kW/243 hp
EEC 80/1269	181 kW/243 hp
Bore	112 mm
Stroke	149 mm
Displacement	8.8 liters

- The C-9 engine meets EU directive 97/68/EC 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 2300 m altitude.

Hydraulic System

Main Implement System	
Maximum Flow (2x)	280 l/min
Maximum pressure	
Implements	34 300 kPa
Travel	34 300 kPa
Swing	27 900 kPa
Pilot System	
Maximum flow	37 l/min
Maximum pressure	4120 kPa
Boom Cylinder	
Bore	150 mm
Stroke	1440 mm
Stick Cylinder	
Bore	170 mm
Stroke	1738 mm
C Family Bucket Cylinder	
Bore	130 mm
Stroke	1156 mm
D Family Bucket Cylinder	
Bore	150 mm
Stroke	1156 mm
E Family Bucket Cylinder	
Bore	160 mm
Stroke	1356 mm

Drive

Maximum Travel Speed	5.0/3.3 km/h
Maximum Drawbar Pull	294 kN

Swing Mechanism

Swing Speed	10 rpm
Swing Torque	108 kNm

Cab

Cab/FOGS meets ISO 10262.

Sound

The dynamic exterior sound power level meets EU Directive 2000/14/EC.

Machine and Major Component Weights

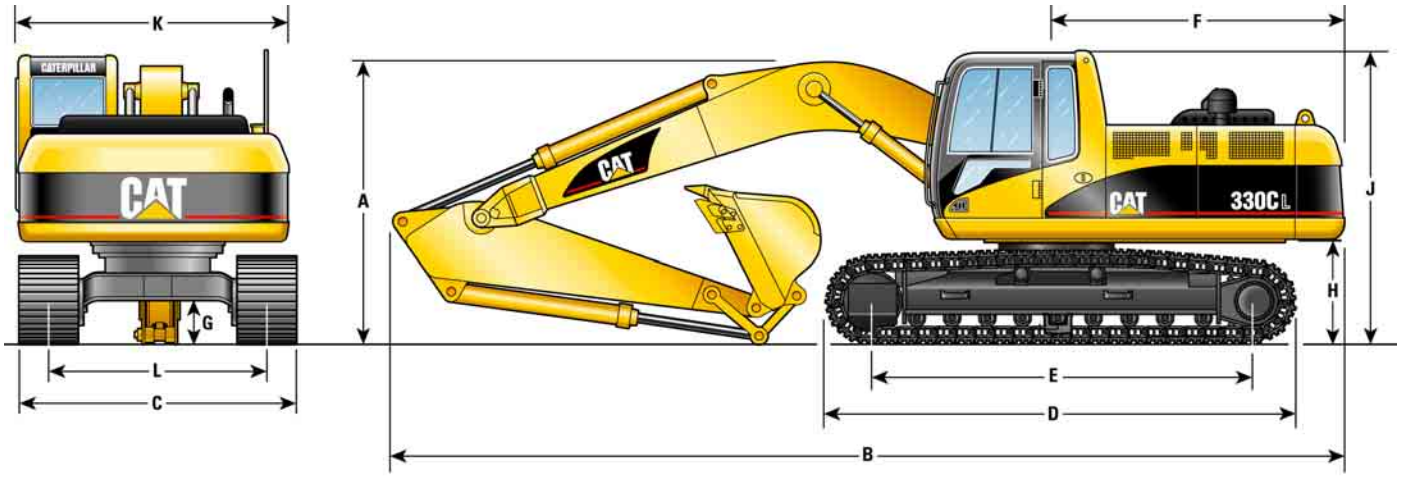
Actual weights and ground pressures will depend on final machine configuration.

		Reach boom 6500 mm					ME boom 6180 mm		VA boom 6520 mm		
		R2.15E	R2.8D	R3.2D	R3.9D	R4.8C	M2.15E	M2.55E	M2.15E	M2.55E	M3.5D
Sticks	mm	2150	2800	3200	3900	4800	2150	2550	2150	2550	3500
Bucket weight/capacity	kg/m³	1586/1.9	1501/1.9	1444/1.8	1334/1.6	958/1.4	1735/2.2	1529/2.1	1586/1.9	1586/1.9	1313/1.0
Operating weight*											
330C L	kg	35 400	35 000	35 000	35 000	35 200	35 700	35 600	37 300	37 100	36 900
330C LN	kg	34 800	34 300	34 300	34 400	34 600	34 900	34 900	36 400	36 500	36 200
Ground pressure											
330C L	kg/cm²	0.55	0.54	0.54	0.55	0.53	0.55	0.55	0.57	0.56	0.56
330C LN	kg/cm²	0.68	0.67	0.67	0.67	0.66	0.68	0.68	0.69	0.69	0.69
Stick weight (without cylinders)	kg	1100	1070	1210	1335	1633	1100	1125	1100	1125	1370
Boom weight (without cylinders)	kg	2445					2445		3950		
Upperstructure (without counterweight)	kg	8570					8570		8570		
Undercarriage											
330C L (750 mm shoes)	kg	13 225					13 2255		13 225		
330C LN (600 mm shoes)	kg	12 590					12 590		12 590		
Counterweight	kg	6250					6250		6250		

* With counterweight, operator and full fuel.

Dimensions

All dimensions are approximate.



		mm
A	Shipping height (with bucket)	
	Reach boom	
	2150 mm stick	3560
	2800 mm stick	3540
	3200 mm stick	3340
	3900 mm stick	3670
	4800 mm stick	4100
	ME boom	
	2150 mm stick	3590
	2550 mm stick	3560
	VA boom	
	2150 mm stick	3590
	2550 mm stick	3590
	3500 mm stick	3590

		mm
B	Shipping length	
	Reach boom	
	2150 mm stick	11 450
	2800 mm stick	11 210
	3200 mm stick	11 150
	3900 mm stick	11 200
	4800 mm stick	11 100
	ME boom	
	2150 mm stick	11 140
	2550 mm stick	10 900
	VA boom	
	2150 mm stick	11 500
	2550 mm stick	11 250
	3500 mm stick	11 230

		mm
C	Width	
	330C L (750 mm shoes)	3340
	330C LN (600 mm shoes)	2990
D	Track length	5020
E	Length to centers of rollers	4040
F	Tail swing radius	3500
G	Ground clearance	510
H	Counterweight ground clearance	1190
J	Cab height	
	with FOG	3280
	without FOG	3150
K	Body width	2990
L	Track gauge	
	330C L	2590
	330C LN	2390

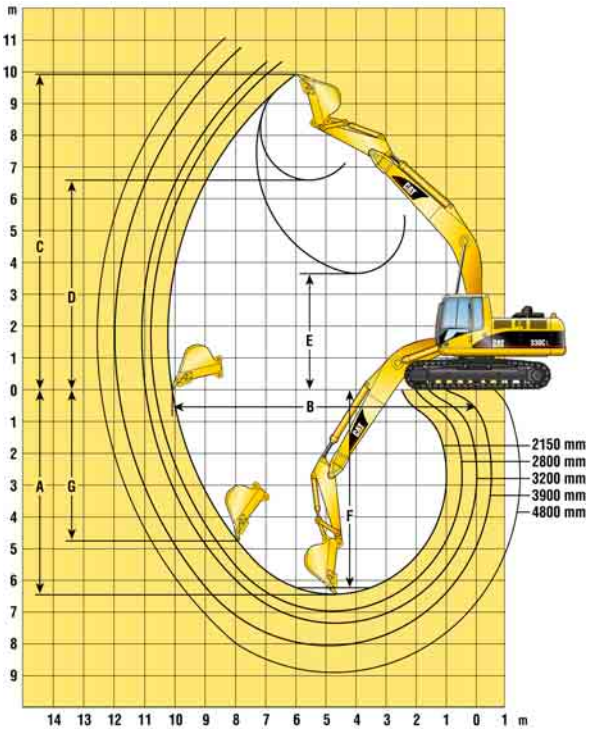
Track Width

Standard Undercarriage	
Long	750 mm
Long Narrow	600 mm
Optional Undercarriage	
Long	600 mm, 600 mm HD
	850 mm, 750 mm HD
Long Narrow	600 mm HD

Service Refill Capacities

	Liter
Fuel Tank Capacity	618
Cooling System	35
Engine Oil	35.5
Swing Drive	19
Final Drive (each)	15
Hydraulic System (including tank)	410
Hydraulic Tank	315

Working Ranges – Reach Boom (6500 mm)



		R2.15E	R2.8D	R3.2D	R3.9D	R4.8C
Stick Length	mm	2150	2800	3200	3900	4800
A Maximum Digging Depth	mm	-6450	-6960	-7350	-8060	-8900
B Maximum Reach at Ground Level	mm	10040	10610	10920	11640	12400
C Maximum Cutting Height	mm	9930	10310	10300	10770	11100
D Maximum Loading Height	mm	6580	7240	7240	7670	8100
E Minimum Loading Height	mm	3650	3140	2790	2080	1200
F Maximum Digging Depth 2440 mm Level Bottom	mm	-6220	-6780	-7250	-7910	-8800
G Maximum Vertical Wall Digging Depth	mm	-4760	-4660	-4970	-5850	-6800
Tip Radius	mm	1800	1660	1660	1660	1560
Bucket Forces (ISO 6015)	kN	239	194	192	184	152
Stick Forces (ISO 6015)	kN	219	186	169	152	132

Lift Capacities – Reach Boom (6500 mm)

All weights are in kg

330C L

Short Stick
2150 mm
Shoes
750 mm
Bucket Capacity (SAE)
1.9 m³
Bucket Weight
1613 kg

	1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		9.0 m				
															m
7.5 m							*7440	*7440					*6080	5020	8.41
6.0 m							*8020	*8020	*7250	5780			*6030	3980	9.28
4.5 m					*12 230	*12 230	*9190	8420	*7710	5640			5990	3450	9.76
3.0 m							*10 520	7830	*8370	5390			5670	3200	9.94
1.5 m							*11 560	7350	8940	5150			5700	3190	9.82
Ground					*16 430	11 020	*11 990	7090	8770	5000			6090	3430	9.41
–1.5 m			*11 920	*11 920	*15 600	11 150	*11 730	7050	8750	4980			*6720	4030	8.66
–3.0 m			*17 800	*17 800	*13 930	11 460	*10 570	7210							
–4.5 m					*10 740	*10 740									

330C L

Medium Short Stick
2800 mm
Shoes
750 mm
Bucket Capacity (SAE)
1.5 m³
Bucket Weight
1214 kg

	1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		9.0 m				
															m
9.0 m													*4840	*4840	7,84
7.5 m									*7040	6290			*4510	*4510	9,12
6.0 m									*7100	6310			*4410	3850	9,93
4.5 m					*11 460	*11 460	*8940	*8940	*7670	6120	*7040	4300	*4460	3410	10,39
3.0 m					*14 540	13 000	*10 410	8380	*8430	5840	7060	4210	*4620	3200	10,57
1.5 m					*16 650	12 030	*11 670	7870	*9130	5580	6940	4090	*4930	3180	10,49
Ground					*17 330	11 650	*12 370	7560	9150	5380	6850	4010	*5420	3340	10,13
–1.5 m			*10 960	*10 960	*16 770	11 620	*12 390	7440	9060	5310			*5900	3770	9,47
–3.0 m			*19 310	*19 310	*15 410	11 800	*11 600	7500	*8730	5370			*3930	*3930	8,42
–4.5 m			*17 010	*17 020	*12 790	12 190	*9460	7780							

Lift Capacities – Reach Boom (6500 mm)

All weights are in kg

330C L

Medium Stick
3200 mm
Shoes
750 mm
Bucket Capacity (SAE)
1.45 m³
Bucket Weight
1150 kg

	1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		9.0 m				
															m
9.0 m													*3840	*3840	8.28
7.5 m									*6470	6460			*3620	*3620	9.48
6.0 m									*6670	6410			*3560	*3560	10.25
4.5 m							*8420	*8420	*7290	6200	*6690	4380	*3620	3250	10.70
3.0 m					*13 690	13 330	*9950	8510	*8110	5900	*7060	4250	*3790	3060	10.87
1.5 m					*16 130	12 230	*11 330	7960	*8890	5610	6960	4110	*4080	3020	10.79
Ground					*17 130	11 710	*12 200	7590	9160	5390	6840	4000	*4540	3160	10.44
–1.5 m	*7850	*7850	*11 590	*11 590	*17 000	11 580	*12 420	7420	9040	5280	6800	3970	*5250	3520	9.80
–3.0 m	*13 290	*13 290	*18 160	*18 160	*15 930	11 690	*11 870	7430	*9050	5300			*4160	*4160	8.80
–4.5 m			*18 760	**18 760	*13 700	12 020	*10 210	7640							

330C L

Long Stick
3900 mm
Shoes
750 mm
Bucket Capacity (SAE)
1.3 m³
Bucket Weight
1120 kg

	1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		9.0 m				
															m
9.0 m									*4980	*4980			*3010	*3010	9.23
7.5 m													*2830	*2830	10.30
6.0 m									*5920	*5920	*5810	4580	*2770	*2770	11.00
4.5 m									*6610	6340	*6110	4480	*2800	*2800	11.41
3.0 m					*12 130	*12 130	*9070	8730	*7510	6020	*6590	4320	*2920	2700	11.58
1.5 m					*15 020	12 630	*10 640	8120	*8410	5690	7000	4140	*3130	2660	11.50
Ground			*6720	*6720	*16 690	11 870	*11 790	7660	*9130	5410	6830	3990	*3450	2760	11.18
–1.5 m	*6540	*6540	*10 420	*10 420	*17 120	11 560	*12 320	7400	9000	5240	6730	3900	*3960	3030	10.60
–3.0 m	*10 760	*10 760	*15 310	*15 310	*16 560	11 550	*12 150	7330	8950	5190	6750	3920	*4780	3580	9.70
–4.5 m	*15 750	*15 750	*21 320	*21 320	*14 940	11 760	*11 080	7440	*8260	5300					
–6.0 m			*16 310	*16 310	*11 720	*11 720	*8360	7790							

330C L

Extra Long Stick
4800 mm
Shoes
750 mm
Bucket Capacity (SAE)
1.4 m³
Bucket Weight
1042 kg

	1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		9.0 m				
																	m
9.0 m															*2400	*2400	10.22
7.5 m											*4920	4890			*2260	*2260	11.17
6.0 m											*5060	4850	*3000	*3000	*2210	*2210	11.81
4.5 m											*5460	4710	*4620	3390	*2240	*2240	12.18
3.0 m							*7890	*7890	*6740	6280	*6030	4510	*5570	3300	*2320	*2320	12.33
1.5 m			*10 320	*10 320	*13 320	13 290	*9660	8460	*7770	5890	*6640	4280	5460	3180	*2480	2380	12.26
Ground			*8060	*8060	*15 710	12 220	*11 110	7870	*8670	5550	6930	4080	5340	3070	*2730	2440	11.97
–1.5 m	*5790	*5790	*10 010	*10 010	*16 870	11 650	*12 020	7480	9070	5300	6770	3930	*5240	3000	*3110	2640	11.44
–3.0 m	*8980	*8980	*13 370	*13 370	*16 970	11 450	*12 290	7300	8930	5170	6700	3870			*3700	3020	10.63
–4.5 m	*12 740	*12 740	*18 090	*18 090	*16 070	11 520	*11 800	7300	8930	5180	6770	3930			*3750	*3750	9.47
–6.0 m	*17 530	*17 530	*20 080	*20 080	*13 930	11 820	*10 250	7490	*7410	5370							
–7.5 m					*9580	*9580											

330C LN

Extra Long Stick
4800 mm
Shoes
600 mm
Bucket Capacity (SAE)
1.35 m³
Bucket Weight
994 kg

	1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		9.0 m				
																	m
9.0 m															*2430	*2430	10.22
7.5 m											*4960	4440			*2300	*2300	11.17
6.0 m											*5100	4400	*3040	*3040	*2250	*2250	11.81
4.5 m											*5500	4260	*4660	3030	*2280	*2280	12.18
3.0 m							*7930	*7930	*6770	5680	*6070	4060	5500	2940	*2360	2140	12.33
1.5 m			*10 380	*10 380	*13 350	11 880	*9690	7610	*7800	5300	*6680	3840	5370	2820	*2520	2100	12.26
Ground			*8110	*8110	*15 740	10 850	*11 150	7040	*8700	4960	6820	3640	5260	2720	*2770	2150	11.97
–1.5 m	*5830	*5830	*10 060	*10 060	*16 910	10 300	*12 060	6660	8920	4720	6660	3490	5190	2650	*3150	2330	11.44
–3.0 m	*9020	*9020	*13 420	*13 420	*17 010	10 110	*12 320	6480	8780	4590	6590	3430			*3740	2680	10.63
–4.5 m	*12 780	*12 780	*18 140	*18 140	*16 110	10 170	*11 840	6480	8780	4600	6650	3490			*3770	3350	9.47
–6.0 m	*17 580	*17 580	*20 110	*20 110	*13 960	10 460	*10 280	6670	*7450	4790							
–7.5 m					*9610	*9610											

330C LN

Short Stick
2150 mm
Shoes
600 mm
Bucket Capacity (SAE)
1.9 m³
Bucket Weight
1613 kg

	1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		9.0 m				
															m
7.5 m							*7440	*7440					*6080	4490	8.41
6.0 m							*8020	8000	*7250	5160			*6030	3520	9.28
4.5 m					*12 230	12 090	*9190	7540	*7710	5020			5860	3020	9.76
3.0 m							*10 520	6970	*8370	4780			5550	2790	9.94
1.5 m							*11 560	6500	8760	4540			5570	2770	9.82
Ground					*16 430	9650	*11 990	6240	8590	4390			5960	2980	9.41
–1.5 m			*11 920	*11 920	*15 600	9770	*11 730	6200	8560	4370			*6720	3520	8.66
–3.0 m			*17 800	*17 800	*13 930	10 080	*10 570	6360							
–4.5 m					*10 740	10 640									

330C LN

Medium Short Stick
2800 mm
Shoes
600 mm
Bucket Capacity (SAE)
1.5 m³
Bucket Weight
1214 kg

	1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		9.0 m				
															m
9.0 m													*4840	*4840	7.84
7.5 m									*7040	5670			*4510	4180	9.12
6.0 m									*7100	5680			*4410	3430	9.93
4.5 m					*11 460	*11 460	*8940	8070	*7670	5490	7020	3820	*4460	3020	10.39
3.0 m					*14 540	11 580	*10 410	7510	*8430	5230	6920	3740	*4620	2820	10.57
1.5 m					*16 650	10 640	*11 670	7020	*9130	4960	6790	3620	*4930	2790	10.49
Ground					*17 230	10 280	*12 370	6710	8970	4780	6700	3540	*5420	2940	10.13
–1.5 m			*10 960	*10 960	*16 770	10 250	*12 390	6590	8880	4700			*5900	3330	9.47
–3.0 m			*19 310	*19 310	*15 410	10 420	*11 600	6650	*8730	4760			*3930	*3930	8.42
–4.5 m			*17 010	*17 020	*12 790	10 800	*9460	6920							

330C LN

Medium Stick
3200 mm
Shoes
600 mm
Bucket Capacity (SAE)
1.45 m³
Bucket Weight
1150 kg

	1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		9.0 m				
															m
9.0 m													*3840	*3840	8.28
7.5 m									*6470	5830			*3620	*3620	9.48
6.0 m									*6670	5780			*3560	3250	10.25
4.5 m							*8420	8210	*7290	5570	*6690	3900	*3620	2870	10.70
3.0 m					*13 690	11 900	*9950	7630	*8110	5290	6970	3780	*3790	2680	10.87
1.5 m					*16 130	10 840	*11 330	7100	*8890	5000	6820	3640	*4080	2650	10.79
Ground					*17 130	10 330	*12 200	6740	8980	4780	6690	3530	*4540	2770	10.44
–1.5 m	*7850	*7850	*11 590	*11 590	*17 000	10 210	*12 420	6570	8850	4670	6660	3490	*5250	3100	9.80
–3.0 m	*13 290	13 290	*18 160	*18 160	*15 930	10 320	*11 870	6580	8880	4690			*4160	3790	8.80
–4.5 m			*18 760	*18 760	*13 700	10 630	*10 210	6780							

330C LN

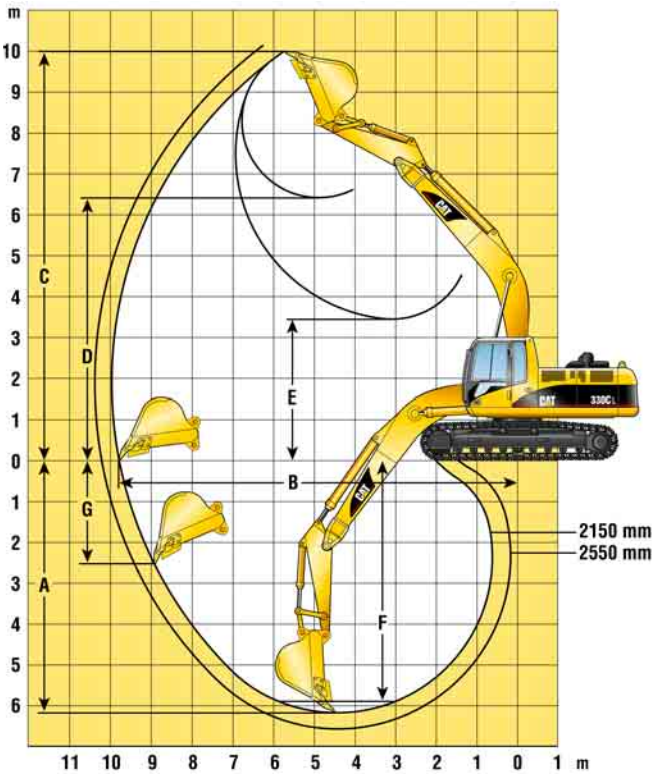
Long Stick
3900 mm
Shoes
600 mm
Bucket Capacity (SAE)
1.3 m³
Bucket Weight
1120 kg

	1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		9.0 m				
															m
9.0 m									*4980	*4980			*3010	*3010	9.23
7.5 m													*2830	*2830	10.30
6.0 m									*5920	*5920	*5810	4100	*2770	*2770	11.00
4.5 m									*6610	5710	*6110	4000	*2800	2510	11.41
3.0 m					*12 130	*12 130	*9070	7860	*7510	5390	*6590	3840	*2920	2350	11.58
1.5 m					*15 020	11 220	*10 640	7260	*8410	5070	6860	3670	*3130	2310	11.50
Ground			*6720	*6720	*16 690	10 480	*11 790	6810	9010	4800	6690	3520	*3450	2400	11.18
–1.5 m	*6540	*6540	*10 420	*10 420	*17 120	10 180	*12 320	6550	8820	4630	6590	3430	*3960	2650	10.60
–3.0 m	*10 760	*10 760	*15 310	*15 310	*16 560	10 170	*12 150	6480	8770	4580	6610	3440	*4780	3150	9.70
–4.5 m	*15 750	*15 750	*21 320	21 070	*14 940	10 380	*11 080	6590	*8260	4690					
–6.0 m			*16 310	*16 310	*11 720	10 830	*8360	6930							

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

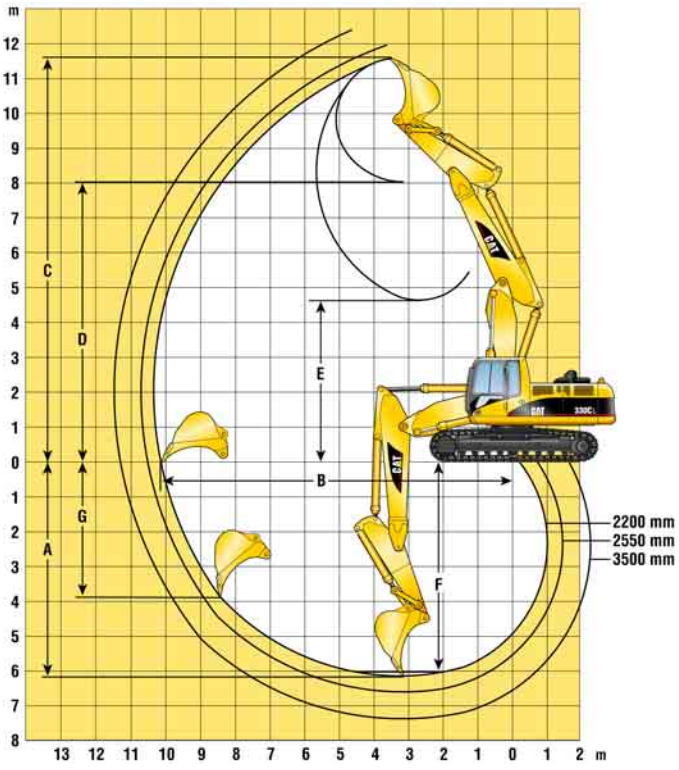
* Limited by hydraulic rather than tipping load.
The above loads are obtained in optimal front parts positions, and are in compliance with hydraulic excavator lift capacity ratings standard ISO 10567, they do not exceed 87% of hydraulic lifting capacity or 75% of tipping capacity. Weight of all lifting accessories must be deducted from the above lifting capacities.

Working Ranges – Mass Excavation Boom (6180 mm)



		M2.15E	M2.55E
Stick Length	mm	2150	2550
A Maximum Digging Depth	mm	-6180	-6580
B Maximum Reach at Ground Level	mm	9740	10 160
C Maximum Cutting Height	mm	9840	10 170
D Maximum Loading Height	mm	6460	6740
E Minimum Loading Height	mm	3450	3060
F Maximum Digging Depth 2440 mm Level Bottom	mm	-5910	-6340
G Maximum Vertical Wall Digging Depth	mm	-4660	-5300
Tip Radius	mm	1800	1800
Bucket Forces (ISO 6015)	kN	239	227
Stick Forces (ISO 6015)	kN	219	196

Working Ranges – Variable Angle boom (6520 mm)



		M2.15E	M2.55E	M3.5D
Stick Length	mm	2150	2550	3500
A Maximum Digging Depth	mm	-6170	-6570	-7350
B Maximum Reach at Ground Level	mm	10 140	10 540	11 260
C Maximum Cutting Height	mm	11 620	11 980	12 400
D Maximum Loading Height	mm	8040	8420	9120
E Minimum Loading Height	mm	4550	4100	3270
F Maximum Digging Depth 2440 mm Level Bottom	mm	-6070	-6470	-7260
G Maximum Vertical Wall Digging Depth	mm	-3980	-4380	-4940
Tip Radius	mm	1800	1780	1660
Bucket Forces (ISO 6015)	kN	235	224	187
Stick Forces (ISO 6015)	kN	224	201	166

Lift Capacities – Mass Excavation Boom (6180 mm)

All weights are in kg

330C L ME

Short Stick
2150 mm
Shoes
750 mm
Bucket Capacity (SAE)
1.9 m^3
Bucket Weight
1613 kg

	1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		9.0 m				
															m
7.5 m							*8000	*8000					*5720	5540	8.03
6.0 m							*8370	*8370					*5630	4340	8.95
4.5 m					*12 230	*12 230	*9430	8560	*8050	5690			*5740	3740	9.46
3.0 m					*15 040	12 530	*10 730	8030	*8640	5490			*6030	3470	9.64
1.5 m					*16 670	11 610	*11 760	7560	9070	5270			6100	3470	9.52
Ground					*16 770	11 340	*12 180	7290	8910	5120			6550	3740	9.09
–1.5 m			*15 380	*15 380	*15 860	11 410	*11 820	7240	*8860	5120			*6930	4440	8.30
–3.0 m			*18 040	*18 040	*13 880	11 720	*10 350	7410							
–4.5 m					*9880	*9880									

330C L ME

Medium Stick
2550 mm
Shoes
750 mm
Bucket Capacity (SAE)
1.9 m^3
Bucket Weight
1613 kg

	1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		9.0 m				
															m
9.0 m													*4170	*4170	7.13
7.5 m													*3820	*3820	8.54
6.0 m							*7830	*7830	*7240	5890			*3730	*3730	9.40
4.5 m					*11 400	*11 400	*8950	8690	*7680	5780			*3780	3440	9.88
3.0 m					*14 320	12 890	*10 330	8140	*8360	5540			*3960	3200	10.05
1.5 m					*16 360	11 860	*11 510	7640	*8980	5300			*4290	3190	9.94
Ground					*16 910	11 440	*12 120	7320	8910	5120			*4820	3410	9.54
–1.5 m			*14 260	*14 260	*16 310	11 410	*11 990	7220	8850	5060			*5690	3980	8.80
–3.0 m			*19 890	*19 890	*14 640	11 630	*10 870	7320					*5800	5260	7.60
–4.5 m			*15 050	*15 050	*11 300	*11 300									

330C LN ME

Short Stick
2150 mm
Shoes
600 mm
Bucket Capacity (SAE)
1.9 m^3
Bucket Weight
1613 kg

	1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		9.0 m				
															m
7.5 m							*8000	*8000					*5720	4970	8.03
6.0 m							*8370	8070					*5630	3850	8.95
4.5 m					*12 230	*12 230	*9430	7680	*8050	5070			*5740	3290	9.46
3.0 m					*15 040	11 110	*10 730	7160	*8640	4870			5930	3040	9.64
1.5 m					*16 670	10 220	*11 760	6700	8890	4650			5960	3030	9.52
Ground					*16 770	9960	*12 180	6430	8730	4510			6410	3270	9.09
–1.5 m			*15 380	*15 380	*15 860	10 030	*11 820	6390	8720	4500			*6930	3900	8.30
–3.0 m			*18 040	*18 040	*13 880	10 330	*10 350	6550							
–4.5 m					*9880	*9880									

330C LN ME

Medium Stick
2550 mm
Shoes
600 mm
Bucket Capacity (SAE)
1.9 m^3
Bucket Weight
1613 kg

	1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		9.0 m				
															m
9.0 m													*4170	*4170	7.13
7.5 m													*3820	*3820	8.54
6.0 m							*7830	*7830	*7240	5270			*3730	3500	9.40
4.5 m					*11 400	*11 400	*8950	7810	*7680	5150			*3780	3010	9.88
3.0 m					*14 320	11 460	*10 330	7270	*8360	4920			*3960	2790	10.05
1.5 m					*16 360	10 470	*11 510	6780	8920	4680			*4290	2770	9.94
Ground					*16 910	10 060	*12 120	6470	8720	4510			*4820	2970	9.54
–1.5 m			*14 260	*14 260	*16 310	10 030	*11 990	6360	8660	4450			*5690	3490	8.80
–3.0 m			*19 890	*19 890	*14 640	10 240	*10 870	6460					*5800	4660	7.60
–4.5 m			*15 050	*15 050	*11 300	10 720									

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 obtained in optimal front parts positions, and 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 – Variable Angle Boom (6520 mm)

All weights are in kg

330C L VA

Short Stick
2150 mm
Shoes
750 mm
Bucket Capacity (SAE)
1.9 m^3
Bucket Weight
1613 kg

	1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		9.0 m				
															m
9.0 m					*12 340	*12 330							*6240	*6240	7.10
7.5 m					*12 440	*12 440	*10 110	9250					*5840	4820	8.52
6.0 m			**19400	**19400	*13 560	*13 560	*10 520	9190	*8680	5780			*5740	3780	9.38
4.5 m			*18 940	*18 940	*15 280	13 970	*11 210	8980	*8900	5820			*5830	3250	9.86
3.0 m			**19400	**19400	*16 040	13 510	*11 760	8550	*9070	5670			5520	3000	10.03
1.5 m			*16 310	*16 310	*16 320	13 030	*11 780	8250	9030	5390			5530	2980	9.92
Ground			**19400	**19400	*16 500	12 150	*11 830	7750	9010	5090			*4810	3210	9.52
–1.5 m			**19400	**19400	*16 790	11 780	*12 080	7490	*8020	4880			*3570	*3570	8.77
–3.0 m			**19400	**19400	*15 790	11 870	*9810	7200							
–4.5 m			*16 400	*16 400	*8560	*8560									

330C L VA

Medium Stick
2550 mm
Shoes
750 mm
Bucket Capacity (SAE)
1.7 m^3
Bucket Weight
1523 kg

	1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		9.0 m				
															m
10.5 m													*5200	*5200	5.49
9.0 m					*11 330	*11 330	*7580	*7580					*4350	*4350	7.79
7.5 m					*11 470	*11 460	*9860	*9480					*4040	*4040	9.08
6.0 m					*13 100	*13 100	*10 320	*9370	*8600	6170			*3940	3550	9.89
4.5 m			**19400	**19400	*14 900	14 190	*11 080	9160	*8880	6160			*3980	3090	10.34
3.0 m			**19400	**19400	*16 420	13 720	*11 770	8760	*9140	5970	6780	3830	*4120	2870	10.51
1.5 m			**19400	**19400	*16 520	13 280	*11 940	8420	*9150	5700	6660	3710	*4400	2850	10.40
Ground			**19400	**19400	*16 590	12 460	*11 920	7950	9160	5350	*6330	3600	*4750	3030	10.02
–1.5 m			**19400	**19400	*16 920	11 970	*12 180	7620	*8850	5070			*3720	3510	9.32
–3.0 m			**19400	**19400	*16 400	11 900	*11 080	7360	*5640	4990					
–4.5 m			*18 870	*18 870	*11 570	*11 570									

330C L VA

Long Stick
3500 mm
Shoes
750 mm
Bucket Capacity (SAE)
1.5 m^3
Bucket Weight
1214 kg

	1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		9.0 m				
															m
10.5 m													*3780	*3780	6.95
9.0 m							*7810	*7810					*3280	*3280	8.75
7.5 m							*8540	*8540	*7470	6580			*3070	*3070	9.88
6.0 m							*9600	*9600	*8130	6690	*5560	4370	*3010	*3010	10.62
4.5 m			*20 420	*20 420	*13 730	*13 730	*10 540	9420	*8580	6540	*6980	4390	*3050	2880	11.05
3.0 m			**21000	**21000	*15 770	*13 980	*11 470	9150	*9050	6320	7130	4290	*3180	2680	11.21
1.5 m			**21000	**21000	*16 780	13 640	*12 050	8730	*9290	6070	7020	4100	*3410	2630	11.13
Ground			**21000	**21000	*16 710	13 090	*12 040	8340	*9240	5760	6830	3880	*3780	2740	11.80
–1.5 m			**21000	**21000	*16 850	12 320	*12 110	7870	9240	5400	*6660	3730	*4240	3050	10.19
–3.0 m			**21000	**21000	*17 040	12 000	*12 270	7640	*8510	5130			*3150	*3150	9.24
–4.5 m			**21000	**21000	*15 640	12 100	*9640	7410							

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

* Limited by hydraulic rather than tipping load.
** Limited by lift device.
The above loads are obtained in optimal front parts positions, and 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.

330C LN VA

Short Stick
2150 mm
Shoes
600 mm
Bucket Capacity (SAE)
1.7 m³
Bucket Weight
1523 kg

	1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		9.0 m				
															m
9.0 m					*12 490	*12 490							*6260	*6260	7.17
7.5 m					*12 580	*12 580	*10 270	8530					*5880	4370	8.59
6.0 m			**19400	**19400	*13 700	13 530	*10 670	8560	*8830	5280			*5780	3420	9.44
4.5 m			*19 070	*19 070	*15 420	*12 920	*11 360	8310	*9050	5310			5800	2920	9.92
3.0 m			**19400	**19400	*16 190	*12 320	*11 910	7920	*9160	5160			5480	2690	10.10
1.5 m			*16 460	*16 460	*16 480	11 680	*11 930	7470	9100	4880			5500	2660	9.98
Ground			**19400	**19400	*16 650	10 830	*11 980	6980	8950	4580			*4930	2860	9.58
–1.5 m			**19400	**19400	*16 940	10 470	*12 230	6720	*8170	4380			*3690	3390	8.83
–3.0 m			**19400	**19400	*15 930	10 550	*9960	6450							
–4.5 m			*16 530	*16 530	*8700	*8700									

330C LN VA

Medium Stick
2550 mm
Shoes
600 mm
Bucket Capacity (SAE)
1.7 m³
Bucket Weight
1523 kg

	1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		9.0 m				
															m
10.5 m													*5200	*5200	5.49
9.0 m					*11 330	*11 330	*7580	*7580					*4350	*4350	7.79
7.5 m					*11 470	*11 460	*9860	8710					*4040	3920	9.08
6.0 m					*13 100	*13 100	*10 320	8620	*8600	5520			*3940	3120	9.89
4.5 m			**19400	**19400	*14 900	13 080	*11 080	*8370	*8880	5510			*3980	2680	10.34
3.0 m			**19400	**19400	*16 420	12 540	*11 770	8000	*9140	5330	6640	3340	*4120	2470	10.51
1.5 m			**19400	**19400	*16 520	11 990	*11 940	7600	9060	5060	6510	3220	*4400	2450	10.40
Ground			**19400	**19400	*16 590	11 010	*11 920	7060	9020	4710	*6330	3110	*4750	2610	10.02
–1.5 m			**19400	**19400	*16 920	10 530	*12 180	6730	8790	4440			*3720	3040	9.32
–3.0 m			**19400	**19400	*16 400	10 470	*11 080	6480	*5640	4360					
–4.5 m			*18 870	*18 870	*11 570	10 560									

330C LN VA

Long Stick
3500 mm
Shoes
600 mm
Bucket Capacity (SAE)
1.3 m³
Bucket Weight
1120 kg

	1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		9.0 m				
															m
10.5 m													*3850	*3850	6.95
9.0 m							*7890	*7890					*3350	*3350	8.75
7.5 m							*8600	*8600	*7540	6030			*3140	*3140	9.88
6.0 m							*9660	9000	*8200	6150	*5630	3950	*3080	2930	10.62
4.5 m			*20 480	*20 470	*13 800	13 530	*10 600	*8730	*8650	6020	*7050	3960	*3120	2570	11.05
3.0 m			**21000	**21000	*15 840	13 010	*11 540	*8390	*9130	*5810	7070	3860	*3250	2380	11.21
1.5 m			**21000	**21000	*16 850	12 370	*12 120	7960	9270	5540	6960	3670	*3480	2330	11.13
Ground			**21000	**21000	*16 780	11 680	*12 110	7500	9230	5180	6750	3460	*3850	2420	10.80
–1.5 m			**21000	**21000	*16 920	10 940	*12 180	7040	9120	4830	6580	3310	*4320	2710	10.19
–3.0 m			**21000	**21000	*17 110	10 620	*12 340	6810	*8580	4560			*3230	*3230	9.24
–4.5 m			**21000	**21000	*15 700	10 720	*9710	6590							

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

* Limited by hydraulic rather than tipping load.
** Limited by lift device.
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Standard Equipment

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

Operator Environment

Ash tray with cigar lighter
Bi-level air conditioner with automatic climate control
Bolt-on FOGS capability
Coat hook
Drink holder
Emergency exit
Fixed one piece front windscreen
Floormat washable
Fully adjustable suspension seat with headrest
Heater and Defroster
Joysticks, adjustable and pre-wired with sliding switches for auxiliary functions
Light, interior
Literature holder
Parallel mounted bottom wiper and washer
Polycarbonate Stationary Skylight
Positive filtered ventilation
Power supply 12V - 7A
Pre-wired radio mounting (2)
Retractable seatbelt
Return filter clogging alarm
Storage compartment suitable for a lunch box cooler
Sun shade
Travel control pedals with removable hand levers

Language display Multipro

Gauges for fuel level, engine coolant temperature and hydraulic oil temperature
Indicator for engine dial setting
Warning messages
Filter/fluid change information
Pre-start Level Check for hydraulic oil, engine oil and coolant
Working hour information
Clock with 10 day back-up battery

Engine

Air Pre-cleaner
Automatic engine speed control
Cat C-9 ATAAC diesel engine, HEUI, turbocharged with air-to-air aftercooler
Cooling system, high ambient
Muffler
Water separator

Undercarriage

Grease lubricated sealed track-type undercarriage
Heavy Duty bottom guarding
Heavy Duty swivel guard
Hydraulic track adjusters
Idler and center section track guiding guards
Shoes:
  750 mm triple grouser – 330C L
  600 mm triple grouser – 330C LN
Two-speed auto shift travel

Hydraulics

Automatic work modes
Auxiliary hydraulic valve
Boom and stick regeneration circuit
Fine swing Control
Hydraulic neutralizer lever for all controls
Oil cooler

Electrical

Alternator, 65 amp
Heavy Duty maintenance free batteries (2)
Horn
Main shut-off switch
Working lights:
  Boom, both sides
  Cab mounted, two
  Frame mounted, one

Other Equipment

Automatic swing parking brake
Counterweight
Door locks and caps locks with Caterpillar one-key security system
Mirrors, frame and cab

Optional Equipment

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

Operator Environment
Air suspension seat
Falling object guard
Hydraulic modulation pedal
Openable front windshield, 50/50 split
Seat heater
Straight travel pedal
Visor rain protection

Engine
Starting aid, cold weather

Booms
Reach 6500 mm
Mass Excavation 6180 mm
Variable Angle 6520 mm

Sticks
Sticks with Reach boom
- 2150 mm
- 2800 mm
- 3200 mm
- 3900 mm
- 4800 mm

Sticks with ME boom
- 2150 mm
- 2550 mm

Sticks with VA boom
- 2150 mm
- 2550 mm
- 3500 mm

Buckets
Bucket linkage D and E family
Ground engaging tools

Undercarriage
Full length track guiding guards
Sprocket track guiding guards
Shoes (triple grouser):
- 330C L
  - 600 mm
  - 600 mm HD
  - 750 mm HD
  - 850 mm
- 330C LN
  - 600 mm HD

Hydraulics
Tool Control-Pro, for one piece and two pieces boom machines; includes single and double action, one/two pump capability and medium pressure circuit.
Provides 5 preprogrammed tools and tools selection from the cab.
Tool Control-Single Action, for one piece boom machines; includes two pumps capability.
Provides 5 preprogrammed tools and tools selection from the cab.
Boom lowering control device with Smart Boom™ and overload warning device
Clamshell actuator
Control group for Quick coupler
Dedicated Cat quick coupler
Fine Filtration Filter
Hydraulic lines for boom and stick
Installation of and setting for Cat hydro-mechanical tools: Multi-processors, hammers, sorting and demolition grapples, quick couplers
Stick lowering control device
Synthetic Ester based Bio hydraulic oil

Electrical
Electric Refueling pump

HEHH2763-3 (11/2004) hr

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

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