



336D L 336D LN

Hydraulic Excavators



Cat® C9 Diesel Engine with ACERT™ Technology

Net Power (ISO 9249) at 1800 rpm	200 kW/270 hp
Operating Weight	35 530 to 36 550 kg
Maximum Travel Speed	5 km/h
Maximum Reach at Ground Level	11 830 mm
Maximum Digging Depth	8090 mm

336D L and 336D LN Hydraulic Excavators

The D Series incorporates innovations for improved performance, controllability and versatility.

Engine

The Cat® C9 engine with ACERT™ Technology offers better fuel efficiency and reduced wear. It works at the point of combustion to optimize engine performance and provide low exhaust emissions. By combining ACERT Technology with the new Economy Mode and Power Management, customers can balance the demands of performance and fuel economy to suit their requirements and application. **pg. 4**

Hydraulics

The hydraulic system has been designed to provide reliability and outstanding controllability with increased digging forces, lifting capacity and drawbar pull. The Cat Tool Control System provides enhanced flexibility. The Heavy Lift Mode maximizes lifting performance and maintains excellent stability. **pg. 5**

Operator Station

Provides maximum space, wider visibility and easy access to switches. The monitor is a full-color graphical display that allows the operator to understand the machine information easily. Overall, the new cab provides a comfortable environment for the operator. **pg. 6**

Environmentally Responsible Design

Quieter operation, lower engine emissions, less fluid disposal and cleaner service can help you meet or exceed worldwide regulations and protect the environment. **pg. 4**

SmartBoom™

More productive. Faster cycle times for truck loading and rock scraping. Maintains optimum hammering frequency for effective, steady productivity. **pg. 5**

Excellent controllability and reliability, impressive lift capacity, better fuel efficiency, simplified service and a more comfortable operator station to increase your productivity and lower your operating costs.



Electronic Control System

The compact, full-color, graphical display monitor displays machine, maintenance, diagnostic and prognostic information in twenty different languages, as well as the rear view camera image. The Economy Mode and Power Management is selected from the monitor. To minimize sun glare, the monitor angle is adjustable. **pg. 7**

Booms, Sticks and Linkage

Caterpillar excavator booms and sticks are built for performance and long service life. Two types of booms and five sticks are available, offering a range of configurations suitable for a wide variety of applications. The bucket linkage pins have been enlarged to improve reliability and durability. All booms and sticks are stress relieved. **pg. 10**

Structures

Caterpillar design and manufacturing techniques assure outstanding durability and service life from these important components. The 336D comes standard with grease lubricated tracks. Cat designed excavator undercarriage is stable, durable and low maintenance for good machine stability and transportability. **pg. 8**

Work Tools

A variety of work tools, including buckets, couplers, hammers, crushers, pulverizers, multiprocessors, shears and grapples are available. **pg. 11**

Service and Maintenance

Fast, easy service has been designed with extended service intervals, advanced filtration, convenient filter access, auto-cleaning of cooling package, user-friendly electronic diagnostics for increased productivity and reduced maintenance costs. **pg. 9**

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. 9**



Engine

*Built for power, reliability, economy and low emissions.
Meeting regulations... Exceeding expectations.*



Performance. The Cat C9 engine with ACERT Technology offers more engine power, and runs at lower speeds for better fuel efficiency and reduced wear.

Power Management. Optimal machine performance for each type of application. The operator can change the engine power on the monitor from standard to high. The high power mode is recommended for extremely productive areas and for hard digging applications.

Automatic Engine Speed Control.

The two-stage, one-touch control maximizes fuel efficiency and reduces sound levels.

Engine Controller. ADEM A4™ (Advanced Diesel Engine Management) electronic control module manages fuel delivery to get the best performance per liter of fuel. The controller uses sensors in fuel, air intake, exhaust and cooling systems and provides flexible fuel mapping, allowing the engine to respond quickly to varying application needs. It tracks engine and machine conditions while keeping the engine operating at peak efficiency.

Fuel Delivery. The Cat C9 features electronic controls that govern the mechanically actuated unit fuel injection system. Multiple injection fuel delivery involves a high degree of precision. Precisely shaping the

combustion cycle lowers combustion chamber temperatures, generating fewer emissions and optimizing fuel combustion. This translates into more work output for your fuel cost.

Cooling System. To reduce fan noise, the cooling fan is hydraulically driven with a variable speed control that manages fan speed to provide optimized cooling. A reversible fan is also offered as attachment to eject debris on demand or for programmed duration. The Cat C9 delivers a completely new layout that separates the cooling system from the engine compartment.

Air Cleaner. The radial seal air filter features a double-layered filter core for more efficient filtration and is located in a compartment behind the cab. A warning is displayed on the monitor when dust accumulates above a preset level.

Environmentally Responsible Design

Caterpillar machines not only help you build a better world, they help maintain and preserve the fragile environment.



Emissions. The Cat C9 with ACERT Technology introduces a series of evolutionary, incremental improvements that provide breakthrough engine technology built on systems and components developed by Caterpillar with proven reliability. The technology capitalizes on Cat expertise in four core engine systems: fuel, air, electronics and after treatment. By combining ACERT Technology with the new Economy Mode, customers can balance the demands of performance and fuel economy to suit their requirements and application. ACERT engines meet EC Stage IIIA emissions regulation.

Fewer Leaks and Spills. Engine oil and encapsulated hydraulic oil filters are positioned vertically and are easy to reach to minimize spillage. Service intervals are extended to reduce the times fluids are changed and handled. The hydraulic oil fine filtration system attachment extends the service interval from 2000 to 5000 hours. Compatible with Cat HEES hydraulic bio-oil for ecologically sensitive applications. Hydraulic oil service interval can be extended to 8000 hours with the S•O•S. program. Finally, the Cat Extended Life Coolant extends service up to 8000 h so there is less need for fluid disposal.

Hydraulics

Cat hydraulics deliver power and precise control to keep material moving.



Component Layout. The 336D hydraulic system and component locations have been designed to provide a high level of system efficiency. The main pumps, control valves and hydraulic tank are located close together to allow for shorter tubes and lines between components, which reduce friction loss, and pressure drops in the lines. The layout further provides greater operator comfort by placing the radiator on the cab side of the upper structure. This allows incoming air to enter the engine compartment from the operator side and hot air and corresponding engine sound to exit on the opposite side away from the operator. This reduces engine compartment heat and sound being transmitted to the operator.



Heavy Lift Mode. Maximizing lifting performance and boosting the lifting capability. Heavy loads can be easily moved in the full working range of the machine maintaining excellent stability.

Hydraulic Cross Sensing System. The hydraulic cross sensing system utilizes each of two hydraulic pumps to 100%, under all operating conditions. This improves productivity with faster implement speeds and quicker, stronger pivot turns.

Pilot System. The pilot pump is independent from the main pumps and controls the front linkage, swing and travel operations.

Boom and Stick Regeneration Circuit. Boom and stick regeneration circuit saves energy during boom-down and stick-in operation which increases efficiency, reduces cycle times and pressure loss for higher productivity, lower operating costs and increased fuel efficiency.



Electronic Control System.

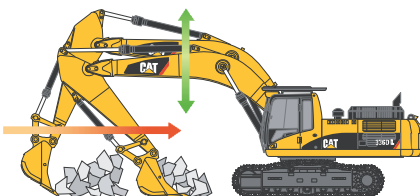
Ten hydraulic pump flow and pressure settings can be preset, eliminating the need to adjust the hydraulics each time a tool is changed.

Auxiliary Valve. The auxiliary valve is standard. Control circuits are optional, allowing for operation of high and medium pressure tools such as shears, grapples, hammers, pulverizers, etc.

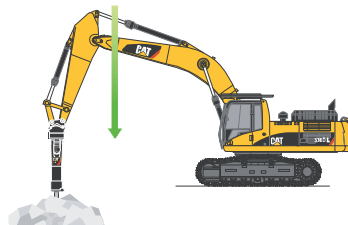
Hydraulic Cylinder Snubbers.

Located at the rod-end of the boom cylinders and both ends of the stick cylinders to cushion shocks while reducing sound levels and extending component life.

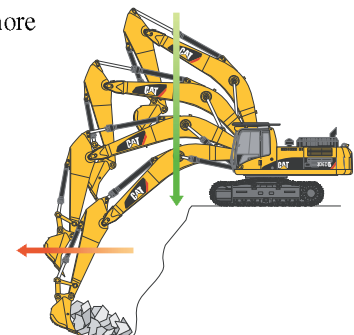
SmartBoom. Reduces stress and vibrations transmitted to the machine and provides a more comfortable environment.



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



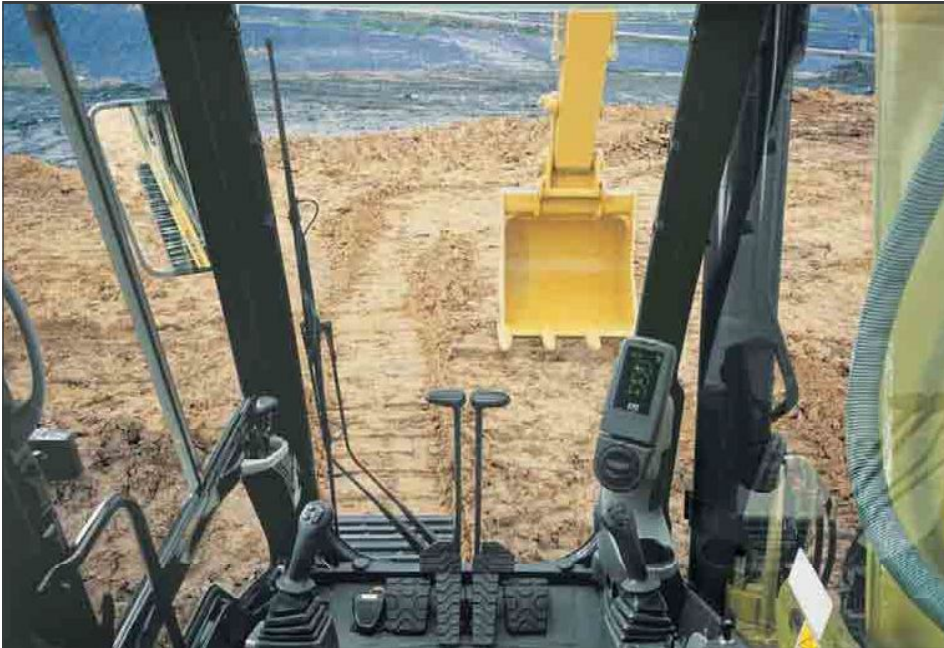
Hammer Work. The front parts automatically follow the hammer while penetrating the rock. Blank shots or excessive force on the hammer are avoided resulting in longer life for the hammer and the machine. Similar advantages with vibratory plates.



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

Operator Station

Designed for simple, easy operation and comfort, the 336D allows the operator to focus on production.



Operator Station. The workstation is spacious, quiet and comfortable, assuring high productivity during a long workday. The air conditioner and attachment switches are conveniently located on the right-hand wall, and the key switch and throttle dial are on the right-hand console. The monitor is easy to see and maximizes visibility.

Seat. An optional air suspension seat is available in the 336D. The standard and optional seats provide a variety of adjustments to suit the operator's size and weight including fore/aft, height and weight. Wide adjustable armrests and a retractable seat belt are also included.

Climate Control. Positive filtered ventilation with a pressurized cab is standard. Fresh air or re-circulated air can be selected with a switch on the right console.

Hydraulic Activation Control Lever.

For added safety, this lever must be in the operate position to activate the machine control functions.

Controls. The 336D uses pilot operated control levers, positioned so the operator can operate with arms on the armrests. The vertical stroke is longer than the horizontal, reducing operator fatigue. The control lever grips are shaped to fit into the operator's hands. The horn switch and one-touch low idle switch are positioned on the left and right grip.

Implement Controls. Easy to handle joysticks with integrated push buttons and sliding switches control all implement and swing functions. The sliding switches provide modulated control for hydro-mechanical tools and are designed to increase operator comfort and reduce operator fatigue.



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

Windows. To maximize visibility, all glass is affixed directly to the cab eliminating the use of window frames. Choice of fixed or easy-to-open split front windshield meet operator preference and application conditions.

- 50/50 split front windshield allows both upper and lower portions to be stored in an overhead position.
- 70/30 split front windshield stores the upper portion above the operator. The lower front windshield features a rounded design to maximize downward visibility and improves wiper coverage.
- Both openable versions feature a one-touch action release system.
- The fixed front windshield is available in standard duty laminated glass or high impact resistant laminated glass.

Wiper. 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.

Cab Exterior. The exterior design uses thick steel tubing along the bottom perimeter of the cab, improving the resistance of fatigue and vibration. This design allows the FOGS to be bolted directly to the cab, at the factory or as an attachment later, enabling the machine to meet specifications and job site requirements.

Electronic Control System

Manages the engine and hydraulics for maximum performance.



Adjustable Consoles. Redesigned consoles feature a simple, functional design to reduce operator fatigue, ease of switch operation and excellent visibility. Both consoles have attached armrests with height adjustments.

Cab Mounts. The cab shell is attached to the frame with viscous rubber cab mounts, which dampen vibrations and sound levels while enhancing operator comfort.

Standard Cab Equipment. To enhance operator comfort and productivity, the cab includes a lighter, drink holder, coat hook, service meter, literature holder, magazine rack and storage compartment.

Monitor Display Screen. The monitor is a full color 400x234 pixels Liquid Crystal Display (LCD) graphic display. The Master Caution Lamp blinks ON and OFF when one of the critical conditions below occurs:

- Engine oil pressure low
- Coolant temperature high
- Hydraulic oil temperature high

By default, the monitor displays the rear view camera image to assure a total control over the environment during operation. By pressing the "OK" button, the operator can toggle between this screen and the machine information display, divided in four different areas:

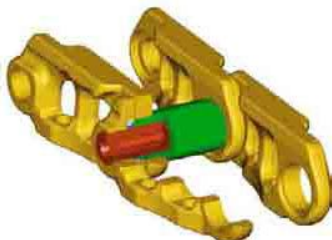
- **Clock and Throttle Dial Area.** The clock and the throttle dial position are in this area and the gas-station icon with green color is also displayed.
- **Gauge Area.** Three analog gauges, fuel level, hydraulic oil temperature and coolant temperature, are displayed in this area.
- **Event Display Area.** Machine information is displayed in this area with the icon and language.
- **Multi-information Display Area.** This area is reserved for displaying information that is convenient for the operator. The "CAT" logo mark is displayed when information to display does not exist.

Keypad. The keypad allows operator to select machine operation conditions and to set view preferences.



Structure

336D structural components and undercarriage are the backbone of the machine's durability.



Tracks. The 336D comes standard with grease lubricated tracks. The track links are assembled and sealed with grease to decrease internal bushing wear, reduce travel noise and extend service life lowering operating costs.

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

Robotic Welding. Up to 95% of the structural welds on a Caterpillar Excavator are completed by robots. Robotic welds achieve over three times the penetration of manual welds.

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.

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

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

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. This 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.

Service and Maintenance

Simplified service and maintenance save you time and money.



Extended Service Intervals. 336D 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 monitor screen inside the cab.

Ground Level Service. The design and layout of the 336D 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.

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.

Diagnostics and Monitoring. Equipped with S•O•SSM sampling ports and hydraulic test ports for the hydraulic system, engine oil, and coolant. Electronic Technician (ET) tool is located behind the cab.

Anti-Skid Plate. Anti-skid plate covers top of storage box and upper structure to prevent slipping during maintenance.

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

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

Radiator Compartment. Easy access to radiator, oil cooler, air-to-air aftercooler. Reserve tank and drain cock are attached to the radiator for simplified maintenance.

Auto-Cleaning Attachment. Automatically cleans the cooling package from dirt and fine debris by reversing the fan.

Complete Customer Support

Cat dealer services help you operate longer with lower costs.



Machine Selection. Make detailed comparisons of the machines you are considering before you buy. What are the job requirements, machine attachments and operating hours? What production is needed? Your Cat dealer can provide recommendations.

Purchase. Consider the financing options available as well as day-to-day operating costs. This is also the time to look at dealer services that can be included in the cost of the machine to yield lower equipment owning and operating costs over the long run.

Customer Support Agreements.

Cat dealers offer a variety of product support agreements, and work with customers to develop a plan the best meets specific needs. These plans can cover the entire machine, including attachments, to help protect the customer's investment.

Operation. Improving operating techniques can boost your profits. Your cat dealer has videotapes, literature and other ideas to help you increase productivity, and Caterpillar offers certified operator training classes to help maximize the return on your investment.

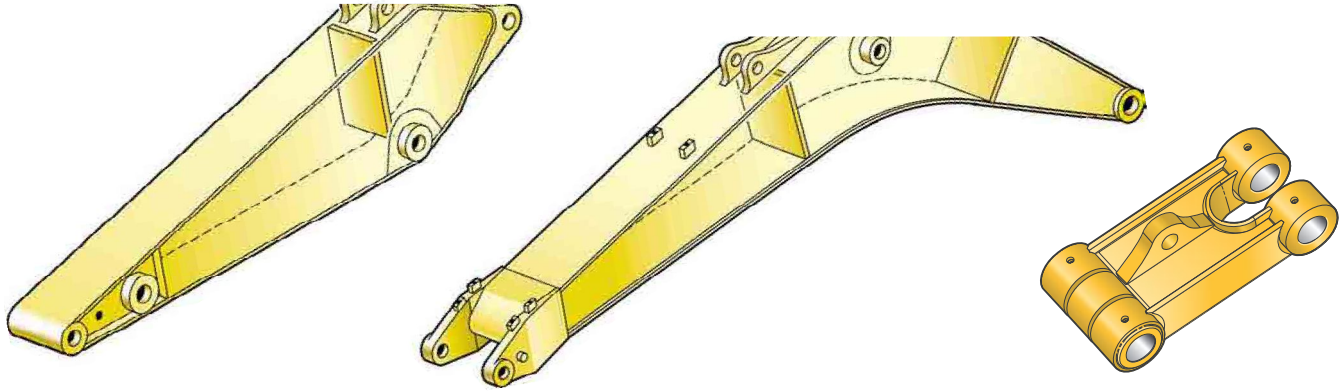
Product Support. You will find nearly all parts at our dealer parts counter. Cat dealers utilize a worldwide computer network to find in-stock parts to minimize machine downtime. You can save money with Cat remanufactured components.

Maintenance Services. Repair option programs guarantee the cost of repairs up front. Diagnostic programs such as Scheduled Oil Sampling, Coolant 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.

Booms, Sticks and Linkage

Designed for flexibility, high productivity, and efficiency in a variety of applications.



Front Linkage Attachments. Select the right combination of front linkage with your Cat dealer to ensure high productivity from the very start of your job. Two types of booms and five sticks are available, offering a range of configurations suitable for a wide variety of applications and offer a large combination of reach and digging forces for optimum versatility. All booms and sticks undergo a stress relieving process for greater durability.

Boom Construction. The booms have large cross-sections and internal baffle plates to provide long life durability.

HD Reach Boom. The heavy duty reach boom (6500 mm) is designed to balance reach, digging force bucket capacity, offering a wide range of applications as digging, loading, trenching and working with hydraulic tools.

Mass Excavation Boom. The mass boom (6180 mm) is designed to provide maximum digging forces, bucket capacity and truck loading productivity.

Stick Construction. Sticks are made of high-tensile strength steel using a large box section design with interior baffle plates and an additional bottom guard to protect against damage.

Reach Sticks. Three lengths of reach sticks are available to suite a variety of applications. Reach sticks use the DB linkage.

- R3.9DB. Suited for high-capacity buckets used in trenching, excavation, and general construction work. Designed with enough reach and depth to match a large-capacity bucket and high digging force.
- R3.2DB. This stick provides the most versatile front linkage.
- R2.8DB. Suitable for the high-capacity buckets used in trenching, excavation and general construction work.

Mass Sticks. Two mass excavation sticks are available for higher digging forces and increased bucket capacity.

- M2.5TB1 and M2.1TB1. Designed for high volume earth moving, they deliver outstanding productivity.



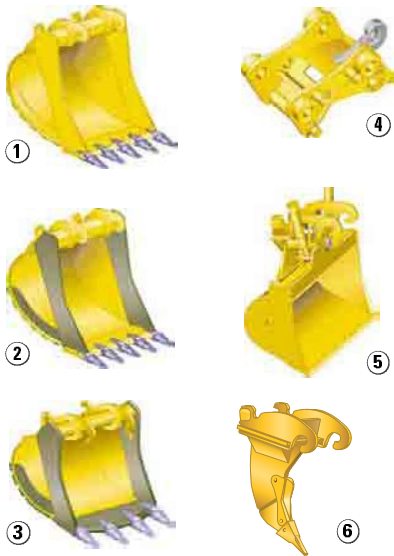
Bucket Linkage. Two bucket linkages (DB and TB) are available, with lifting eye on the power link.

Power Link. The new power link improves durability, increases machine-lifting capability in key lifting positions, and is easier to use compared to the previous lift bar design.

Linkage Pins. All pins used in front linkages have thick chrome plating, giving them high wear and corrosion resistance. The large diameter pins smoothly distribute the shear and bending loads to help ensure long pin, boom and stick life.

Work Tools

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



- 1 Excavation (X)
- 2 Extreme Excavation (EX)
- 3 Rock (R)
- 4 Quick Coupler
- 5 Ditch Cleaning
- 6 Ripper



Work Tools. Caterpillar work tools are designed to function as an integral part of your excavator and to provide the best possible performance in your particular application. All work tools are performance-matched to Cat machines.

Quick Couplers. Quick couplers enable the operator to simply release one work tool and connect to another, making your hydraulic excavator highly versatile. Productivity also increases, as a carrier no longer needs to be idle between jobs. Caterpillar offers hydraulic and spindle quick coupler versions.

Buckets. Caterpillar offers a wide range of specialized buckets, each designed and tested to function as an integral part of your excavator. Buckets feature the new Caterpillar K Series™ Ground Engaging Tools.

Ripper. The Caterpillar TR-series ripper provides a powerful single point of penetration force to break out rock and other difficult to excavate material.

Hammers. Cat hammer series deliver very high blow rates, increasing the productivity of your tool carriers in demolition and construction applications. Wide oil flow acceptance ranges make the Caterpillar hammers suitable for a wide range of carriers and provide a system solution from one safe source.

Orange Peel Grapples. The orange peel grapple is constructed of high-strength, wear-resistant steel, with a low and compact design that makes it ideal for dump clearance. There are several choices of tine and shell versions.

Multi-Grapples. The multi-grapple with unlimited left and right rotation is the ideal tool for stripping, sorting, handling and loading. The powerful closing force of the grab shells combined with fast opening/closing time ensures rapid cycle time which translates to more tons per hour.

Multi-Processors. Thanks to its single basic housing design, the multi-processor series of hydraulic demolition equipment makes it possible to use a range of jaw sets that can handle any demolition job. The multi-processor is the most versatile demolition tool on the market.

Vibratory Plate Compactors.

Cat compactors are performance-matched to Cat machines, and integrate perfectly with the Cat hammer line – brackets and hydraulic kits are fully interchangeable between hammers and compactors.

Shears. Cat shears provide superior and effective scrap processing, and are highly productive in demolition environments. Shears are compatible with a matching Cat excavator, and bolt-on brackets are available for either stick or boom-mounted options.

Bucket Specifications

						HD Reach Boom 6500 mm						ME 6180 mm			
Without Quick Coupler	Linkage	Width	Weight*	Capacity (ISO)	Fill Factor	336D L			336D LN			336D L		336D LN	
		mm	kg	m³	%	2800 mm	3200 mm	3900 mm	2800 mm	3200 mm	3900 mm	2150 mm	2550 mm	2150 mm	2550 mm
Excavation	DB	1000	1128	1.11	100							×	×	×	×
	DB	1350	1337	1.62	100							×	×	×	×
	DB	1500	1448	1.84	100							×	×	×	×
	DB	1600	1506	1.99	100						N	×	×	×	×
	DB	1650	1535	2.07	100						N	×	×	×	×
	DB	1700	1563	2.14	100						N	×	×	×	×
	DB	1800	1621	2.29	100			N			N	×	×	×	×
	TB	1500	1728	1.93	100	×	×	×	×	×	×				
Extreme Excavation	TB	1700	1906	2.24	100	×	×	×	×	×	×				
	DB	1350	1470	1.62	100							×	×	×	×
	DB	1500	1565	1.84	100						N	×	×	×	×
	DB	1600	1667	1.99	100						N	×	×	×	×
	DB	1650	1698	2.07	100						N	×	×	×	×
	DB	1700	1730	2.14	100			N			N	×	×	×	×
Rock	TB	1700	1933	2.24	100	×	×	×	×	×	×				
	DB	1000	1326	1.11	90							×	×	×	×
	DB	1650	1840	2.07	90						N	×	×	×	×
	TB	1500	1885	1.93	90	×	×	×	×	×	×				
Maximum load in kg (payload plus bucket)						5013	4723	4123	4470	4232	3680	6052	5511	5420	4914
With Quick Coupler															
Excavation	DB	1000	1112	1.11	100							×	×	×	×
	DB	1350	1318	1.62	100							×	×	×	×
	DB	1500	1428	1.84	100						N	×	×	×	×
	DB	1600	1487	1.99	100			N			N	×	×	×	×
	DB	1650	1516	2.07	100			N			N	×	×	×	×
	DB	1700	1544	2.14	100			N	N	N	N	×	×	×	×
	DB	1800	1601	2.29	100		N	N	N	N	N	×	×	×	×
	TB	1500	1627	1.93	100	×	×	×	×	×	×				
Extreme Excavation	TB	1700	1801	2.24	100	×	×	×	×	×	×				
	DB	1350	1451	1.62	100						N	×	×	×	×
	DB	1500	1546	1.84	100			N			N	×	×	×	×
	DB	1600	1648	1.99	100			N			N	×	×	×	×
	DB	1650	1680	2.07	100			N	N	N	N	×	×	×	×
	DB	1700	1710	2.14	100			N	N	N	N	×	×	×	×
Rock	TB	1700	1822	2.24	100	×	×	×	×	×	×				N
	DB	1000	1309	1.11	90							×	×	×	×
	DB	1650	1821	2.07	90			N			N	×	×	×	×
	TB	1500	1772	1.93	90	×	×	×	×	×	×				
Maximum load in kg (payload plus bucket)						4543	4253	4653	4000	3762	3210	5552	5011	4920	4414

* Bucket weight including penetration plus tips



Max. Material Density
1200 kg/m³



Max. Material Density
1500 kg/m³



Max. Material Density
1800 kg/m³



Not recommended



Not compatible

Work Tools Matching Guide

Without quick coupler		mm	HD Reach Boom 6500 mm						ME 6180 mm			
			336D L			336D LN			336D L		336D LN	
			2800	3200	3900	2800	3200	3900	2150	2550	2150	2550
Hammers	H130 S, H140D S, H160D S											
Multiprocessors	MP20 CC, CR, PP, PS, S, TS								N	N	N	N
	MP30 CC, CR, S			N				N				
	MP30 PP			N		N	N	N				
	MP30 PS			N		N	N	N				
	MP30 TS		N	N		N	N	N			N	
Crushers and Pulverizers	VHC-40								N	N	N	N
	VHC-50			N				N				
	VHP-40								N	N	N	N
	VHP-50			N				N				
Hydraulic Shears	S325								N	N	N	N
	S340		N	N	N	N	N	N		N	N	N
	S365B*											
Mechanical Grapples	G115								N	N	N	N
	G125			N			N	N				
Multi Grapples	G320								N	N	N	N
	G330			N				N				
Vibratory Plate Compactor	CVP110											
Clamshell Buckets (rehandling)	GOS-45 970											
	GOS-45 1120											
	GOS-45 1270											
	GOS-45 1580											
	GOS-45 1710											
	GOS-45 2020							N				
	GOS-45 2340			N		N	N	N				
	GOS-50 1200											
	GOS-50 1450							N				
	GOS-50 1700			N			N	N				
	GOS-50 1950			N	N		N	N				
	GOS-50 2200		N	N	N	N	N	N				N
	GOS-50 2450		N	N	N	N	N	N		N	N	N
Orange Peel Grapples	5 tines	GSH22B 600										
		GSH22B 800										
		GSH22B 1000						N				
		GSH22B 1250						N				
	4 tines	GSH22H 600, 800										
		GSH22H 1000										
		GSH22H 1250										
		GSH22H 1500										

* Boom mounted

With quick coupler

Quick Couplers	CW-45 CW-45S											
Hammers	H130 S, H140D S, H160D S											
Multiprocessors	MP20 CC, CR, S								N	N	N	N
	MP20 PP, PS, TS								N	N	N	N
	MP30 CC, CR, S		N	N		N	N	N			N	
	MP30 PP		N	N	N	N	N	N			N	N
	MP30 PS		N	N	N	N	N	N			N	N
	MP30 TS		N	N	N	N	N	N		N	N	N
Crushers and Pulverizers	VHC-40								N	N	N	N
	VHC-50		N	N		N	N	N			N	N
	VHP-40								N	N	N	N
	VHP-50			N		N	N	N				N
Hydraulic Shears	S325			N				N	N	N	N	N
Mechanical Grapples	G115								N	N	N	N
	G125		N	N		N	N	N				N
Multi Grapples	G320			N				N	N	N	N	N
	G330		N	N		N	N	N				N
Vibratory Plate Compactor	CVP110											

360° Working range

Over the front only

Quick coupler match

N Not recommended

Max. Material Density 1200 kg/m³

Max. Material Density 1800 kg/m³

Max. Material Density 3000 kg/m³

Engine

Cat C9 with ACERT Technology

Net Power at 1800 rpm

ISO 9249	200 kW/270 hp
80/1269/EEC	200 kW/270 hp

Bore 112 mm

Stroke 149 mm

Displacement 8.8 liters

- All engine horsepower (hp) are metric including front page.
- The C9 engine meets Stage IIIA emission requirements.
- Net power advertised is the power available at the flywheel when the engine is equipped with fan, air cleaner, muffler, and alternator.
- Full engine net power up to 2300 m altitude (engine derating required above 2300 m).

Sound

Operator Sound

- The operator sound level measured according to the procedures specified in ISO 6394:1998 is 78 dB(A), for 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.

Exterior Sound

- The labeled spectator sound power level measured according to the test procedures and conditions specified in 2005/88/EC is 105 dB(A).

Cab/FOGS

Cab/FOGS meets ISO 10262.

Hydraulic System

Main System

Maximum flow 2 x 280 l/min

Maximum pressure

Normal 350 bar

Heavy lift 360 bar

Travel 350 bar

Swing 280 bar

Pilot System

Maximum flow 43 l/min

Maximum pressure 39 bar

Boom Cylinder

Bore 150 mm

Stroke 1440 mm

Stick Cylinder

Bore 170 mm

Stroke 1738 mm

DB Family Bucket Cylinder

Bore 150 mm

Stroke 1151 mm

TB1 Family Bucket Cylinder

Bore 160 mm

Stroke 1356 mm

Machine and Major Component Weights

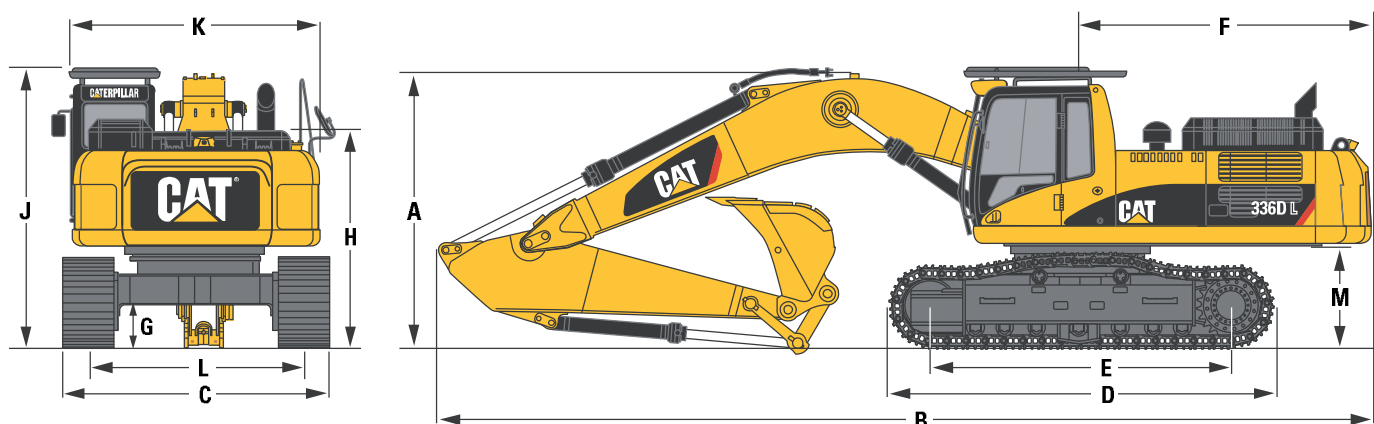
Actual weights and ground pressures will depend on final machine configuration.

		HD Reach Boom 6500 mm			ME boom 6180 mm	
		R2.8DB	R3.2DB	R3.9DB	M2.1TB	M2.5TB
Stick type						
Stick length	mm	2800	3200	3900	2150	2550
Bucket weight	kg	1318	1318	1112	1772	1772
Bucket capacity	m³	1.6	1.6	1.1	1.9	1.9
Bucket width/type	mm	1350/X	1350/X	1000/X	1500/R	1500/R
Operating weight*						
336D L (700 mm shoes)	kg	35 980	36 060	36 000	36 480	36 550
336D LN (600 mm shoes)	kg	35 530	35 610	35 550	36 030	36 100
Ground pressure						
336D L (700 mm shoes)	bar	0.58	0.58	0.58	0.59	0.59
336D LN (600 mm shoes)	bar	0.67	0.67	0.67	0.68	0.68
Stick weight (without bucket cylinder)	kg	1104	1184	1320	1140	1216
Boom weight (without stick cylinder)	kg	3000			2800	
Upperstructure (without counterweight)	kg	8710			8710	
Undercarriage						
336D L (700 mm shoes)	kg	13 215			13 215	
336D LN (600 mm shoes)	kg	12 765			12 765	
Counterweight	kg	6260			6260	

* With counterweight, quick coupler, bucket, operator and full fuel.

Dimensions

All dimensions are approximate.



	mm		mm		mm
A Shipping height (with bucket)		B Shipping length		C Track width	
Reach boom		Reach boom		336D L (700 mm shoes)	3290
2800 mm stick	3540	2800 mm stick	11 210	336D LN (600 mm shoes)	2990
3200 mm stick	3340	3200 mm stick	11 150	D Track length	5020
3900 mm stick	3670	3900 mm stick	11 200	E Length to centers of rollers	4040
Mass Excavation boom		Mass Excavation boom		F Tail swing radius	3500
2150 mm stick	3590	2150 mm stick	11 140	G Ground clearance	450
2550 mm stick	3560	2550 mm stick	10 900	H Body height	2740
				J Cab height	3280
				K Body width	2960
				L Track gauge	
				336D L	2590
				336D LN	2390
				M Counterweight clearance	1220

Track Width

Undercarriage with triple grouser shoes

Long (L) 600 mm, 700 mm, 850 mm
600 mm HD

Long Narrow (LN) 600 mm
600 mm HD

Drive

Maximum Travel Speed 5.0 km/h
Maximum Drawbar Pull 300 kN

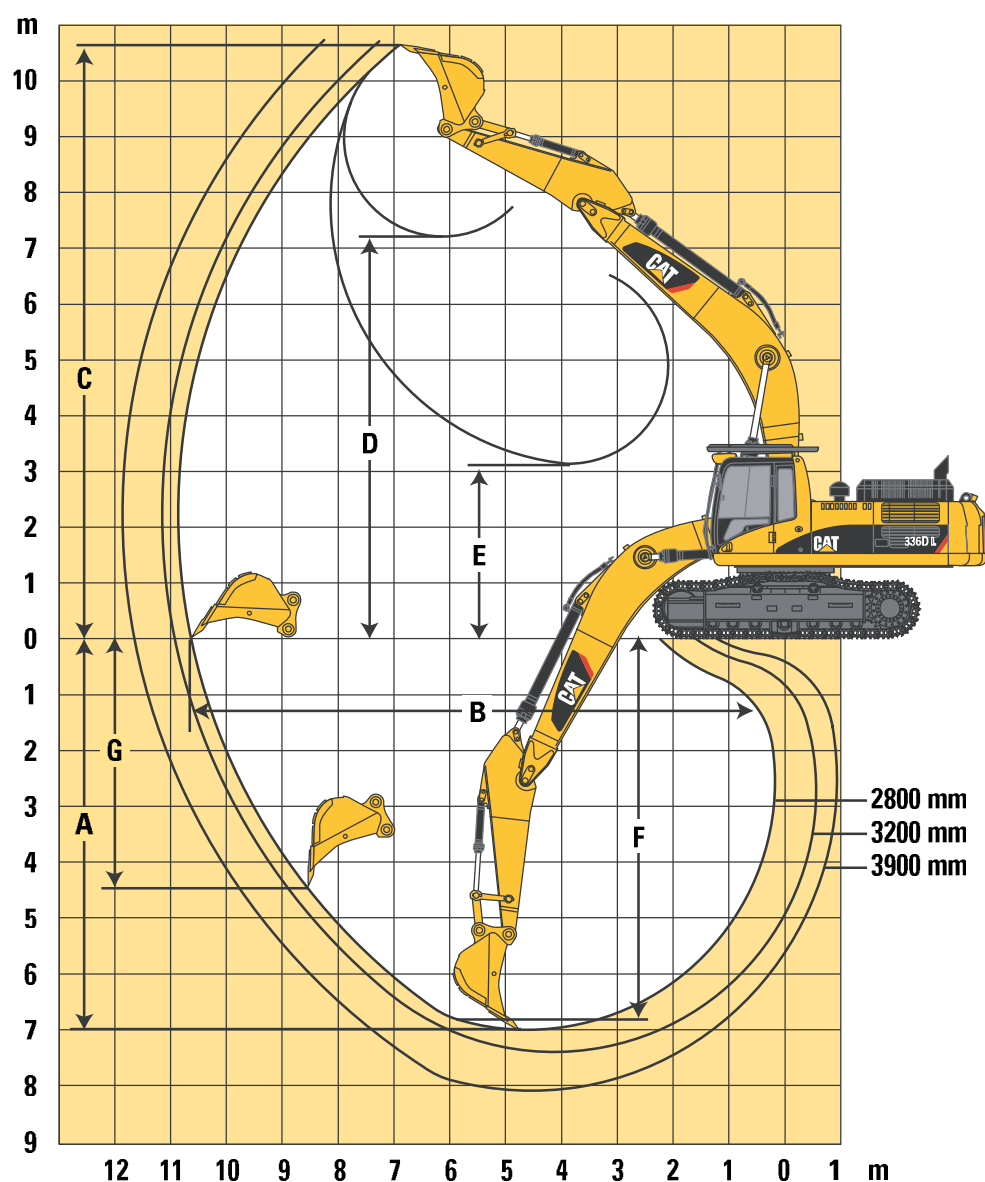
Swing Mechanism

Swing Speed 10 rpm
Swing Torque 108.6 kNm

Service Refill Capacities

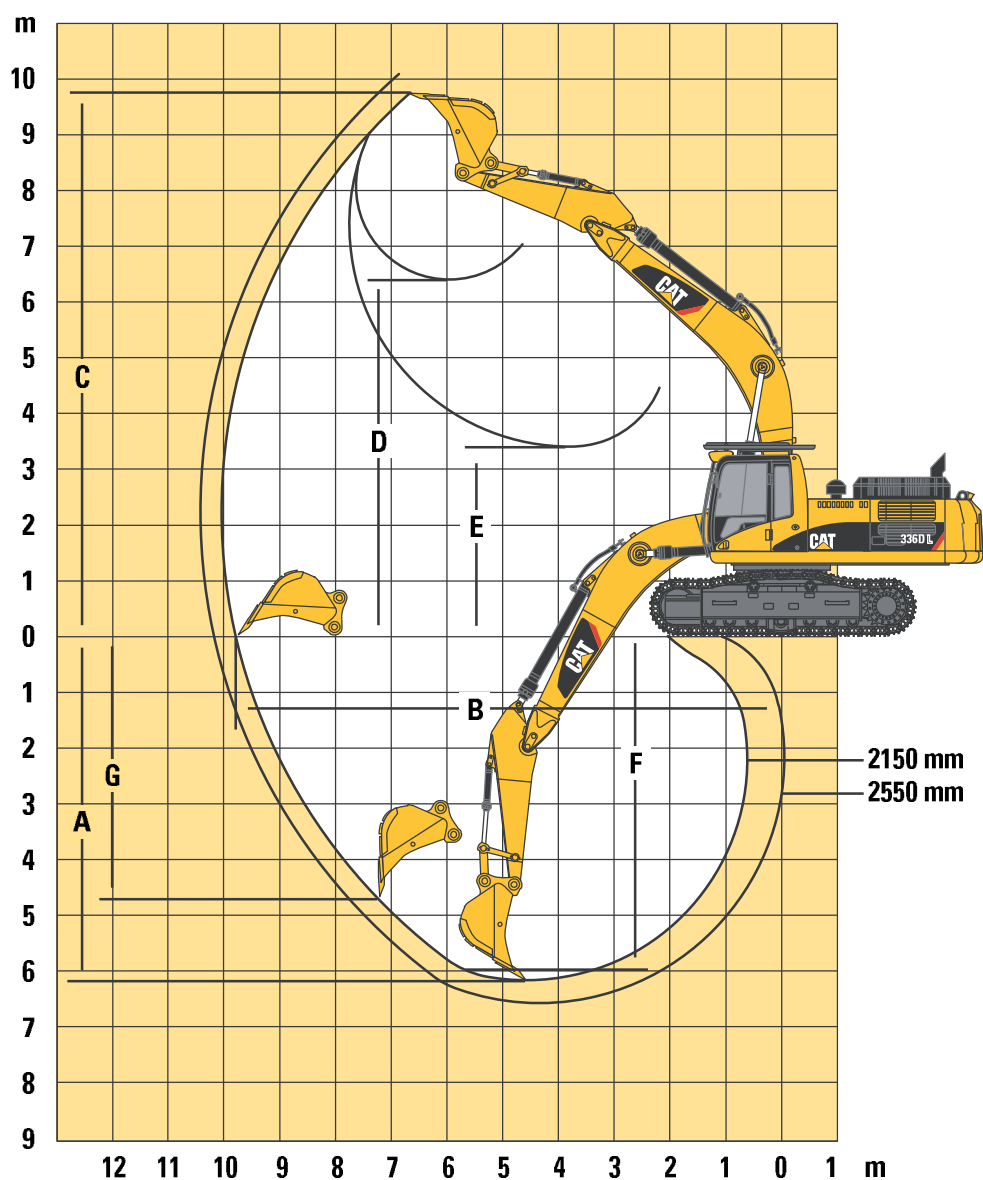
	Liters
Fuel Tank	620
Cooling System	40
Engine Oil	40
Swing Drive (each)	19
Final Drive (each)	8
Hydraulic system (including tank)	410
Hydraulic tank	310

Working Ranges – HD Reach Boom (6500 mm)



		R2.8DB	R3.2DB	R3.9DB
Stick Length	mm	2800	3200	3900
A Maximum Digging Depth	mm	-6990	-7390	-8090
B Maximum Reach at Ground Level	mm	10 620	10 920	11 640
C Maximum Cutting Height	mm	10 300	10 240	10 710
D Maximum Loading Height	mm	7200	7200	7640
E Minimum Loading Height	mm	3110	2710	2010
F Maximum Digging Depth 2500 mm Level Bottom	mm	-6820	-7230	-7960
G Maximum Vertical Wall Digging Depth	mm	-4470	-4450	-6700
Bucket Tip Radius	mm	1761	1761	1761
Bucket Forces (ISO 6015)	kN	204	194	184
Stick Forces (ISO 6015)	kN	194	177	158

Working Range – Mass Excavation Boom (6180 mm)



		M2.1TB	M2.5TB
Stick Length	mm	2150	2550
A Maximum Digging Depth	mm	-6170	-6570
B Maximum Reach at Ground Level	mm	9760	10 180
C Maximum Cutting Height	mm	9740	10 070
D Maximum Loading Height	mm	6410	6690
E Minimum Loading Height	mm	3400	3000
F Maximum Digging Depth 2500 mm Level Bottom	mm	-5970	-6400
G Maximum Vertical Wall Digging Depth	mm	-4310	-4370
Bucket Tip Radius	mm	1897	1897
Bucket Forces (ISO 6015)	kN	249	233
Stick Forces (ISO 6015)	kN	235	208

Lift Capacities – HD Reach Boom (6500 mm)

All weights are in kg, without bucket, with quick coupler, heavy lift on.

336D L

Medium Short Stick

2800 mm

Shoes

700 mm

	1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		9.0 m				
															m
9.0 m													*7930	*7930	6.41
7.5 m									*7790	6890			*7210	6450	7.75
6.0 m									*7880	6830			*6950	5260	8.63
4.5 m					*12 170	*12 170	*9720	9450	*8470	6600	7700	4800	*6950	4620	9.18
3.0 m					*15 540	13 540	*11 290	8840	*9280	6290	7560	4670	6950	4270	9.46
1.5 m					*17 870	12 520	*12 650	8300	9830	6000	7400	4530	6800	4150	9.5
0 m					*18 650	12 520	*13 470	7950	9520	5780	7290	4420	6950	4220	9.29
-1.5 m			*12 220	*12 220	*18 280	12 080	13 370	7810	9470	5860			7480	4530	8.82
-3.0 m			*18 630	*18 640	*16 940	11 990	*12 820	7810	9520	5720			8620	5220	8.05
-4.5 m			*19 080	*19 080	*14 310	12 120	*10 770	8080					*8750	6740	6.86

336D L

Medium Stick

3200 mm

Shoes

700 mm

	1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		9.0 m				
															m
9.0 m													*6180	*6180	6.84
7.5 m									*7200	7020			*5710	*5710	8.11
6.0 m									*7420	6920			*5560	4980	8.95
4.5 m							*9160	*9160	*8070	6670	*7480	4850	*5600	4390	9.48
3.0 m					*14 530	13 840	*10 780	8960	*8930	6340	7590	4700	*5820	4070	9.76
1.5 m					*17 230	12 690	*12 270	8370	*9770	6020	7410	4530	*6240	3940	9.79
0 m			*7490	*7490	*18 460	12 110	*13 260	7970	9590	5770	7270	4400	6600	3940	9.59
-1.5 m	*8820	*8820	*12 890	*12 890	*18 430	11 930	*13 330	7770	9430	5640	7210	4340	7050	3990	9.14
-3.0 m	*14 220	*14 220	*18 970	*18 970	*17 400	11 990	*13 050	7750	9430	5630			8030	4250	8.39
-4.5 m			*20 780	*20 780	*15 170	12 270	*11 440	7930					*8750	4840	7.26
-6.0 m					*10 720	*10 790							*8370	*6090	5.52

336D L

Long Stick

3900 mm

Shoes

700 mm

	1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		10.5 m				
																	m
9.0 m															*4790	*4790	7.84
7.5 m															*4440	*4440	8.97
6.0 m											*6510	5060			*4310	*4300	9.73
4.5 m									*7310	6790	*6840	4930			*4320	3840	10.22
3.0 m			*20 630	*20 630	*12 800	*12 800	*9800	9160	*8250	6430	*7340	4730			*4450	3570	10.48
1.5 m					*15 940	13 040	*11 480	8510	*9210	6070	7420	4530	*4760	3460	*4710	3460	10.51
0 m			*8120	*8120	*17 860	12 210	*12 730	8000	9590	5760	7230	4350			*5140	3490	10.32
-1.5 m	*7440	*7440	*11 680	*11 680	*18 420	11 840	13 280	7710	9370	5570	7110	4240			*5830	3680	9.9
-3.0 m	*11 680	*11 680	*16 520	*16 520	*17 930	11 780	13 160	7610	9290	5550	7110	4240			6870	4110	9.22
-4.5 m	*16 680	*16 680	*21 400	*21 400	*16 340	11 960	*12 230	7690	*9310	5580					*7990	4950	8.21
-6.0 m			*18 180	*18 180	*13 140	12 380	*9620	8010							*7960	6860	6.72

336D LN
Medium Short Stick
 2800 mm
Shoes
 600 mm

	1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		9.0 m				
															m
9.0 m													*7930	*7930	6.41
7.5 m									*7790	6290			*7210	5880	7.75
6.0 m									*7880	6230			*6950	4780	8.63
4.5 m					*12 170	*12 170	*9720	8610	*8470	6000	7610	4350	*6960	4170	9.18
3.0 m					*15 460	11 180	*1190	8010	*9280	5700	7460	4220	6860	3850	9.46
1.5 m					*17 850	11 180	*12 670	7480	9700	5410	7310	4070	6710	3730	9.5
0 m					*18 650	10 760	13 360	7140	9460	5200	7190	3970	6860	3790	9.29
-1.5 m			*12 220	*12 220	*18 280	10 670	13 190	6990	9350	5100			7380	4070	8.82
-3.0 m			*18 630	*18 640	*16 940	10 800	*12 820	7030	9400	5140			8510	4690	8.05
-4.5 m			*19 080	*19 080	*14 310	11 120	*10 770	7260					*8750	6070	6.86

336D LN
Medium Stick
 3200 mm
Shoes
 600 mm

	1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		9.0 m				
															m
9.0 m													*6180	*6180	6.84
7.5 m									*7200	6420			*5710	5500	8.11
6.0 m									*7420	6320			*5560	4520	8.95
4.5 m							*9160	8740	*8070	6070	*7480	4400	*5600	3960	9.48
3.0 m					*14 530	12 460	*10 780	8120	*8930	5750	7500	4240	*5820	3660	9.76
1.5 m					*17 230	11 340	*12 270	7550	9740	5430	7310	4080	*6240	3530	9.79
0 m			*7490	*7490	*18 460	10 870	*13 260	7150	9460	5190	7170	3940	6510	3570	9.59
-1.5 m	*8820	*8820	*12 890	*12 890	*18 430	10 600	13 160	6950	9310	5060	7110	3890	6960	3810	9.14
-3.0 m	*14 220	*14 220	*18 970	*18 970	*17 400	10 670	*13 050	6940	9310	5050			7920	4340	8.39
-4.5 m			*20 780	*20 780	*15 170	10 940	*11 440	7110					*8750	5480	7.26
-6.0 m					*10 790	*10 790							*8370	*8370	5.52

336D LN
Long Stick
 3900 mm
Shoes
 600 mm

	1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		10.5 m				
																	m
9.0 m															*4790	*4790	7.84
7.5 m															*4440	*4440	8.97
6.0 m											*6510	4610			*4320	3890	9.73
4.5 m									*7310	6190	*6840	4480			*4350	3450	10.22
3.0 m			*20 630	*20 630	*12 800	*12 800	*9800	8320	*8250	5830	*7340	4300			*4710	3200	10.48
1.5 m					*15 940	11 680	*11 480	7680	*9270	5480	7320	4100	*4760	3090	*5140	3090	10.51
0 m			*8120	*8120	*17 840	10 870	*12 730	7180	9460	5180	7130	3940			*5830	3110	10.32
-1.5 m	*7440	*7440	*11 680	*11 680	*18 420	10 520	13 110	6900	9240	4990	7010	3830			6780	3280	9.9
-3.0 m	*11 680	*11 680	*16 520	*16 520	*17 930	10 460	12 990	6800	9170	4920	7010	3830			*7990	3670	9.22
-4.5 m	*16 680	*16 680	*21 400	21 250	*16 340	10 630	*12 230	6880	9260	5000					*7960	4440	8.21
-6.0 m			*18 180	*18 180	*13 140	11 040	*9620	7190								6170	6.72



Load Point Height



Load Radius Over Front



Load Radius Over Side



Load at Maximum Reach

* Limited by hydraulic rather than tipping load.

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

Lift Capacities – Mass Excavation Boom (6180 mm)

All weights are in kg, without bucket, with quick coupler, heavy lift on.

336D L

Short Stick

2150 mm

Shoes

700 mm

	1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		9.0 m				
															m
7.5 m							*9090	*9090					*9110	8480	6.53
6.0 m							*9430	*9430	*8890	6570			*8880	6490	7.55
4.5 m					*13 220	*13 220	*10 520	9220	*9200	6410			8880	5510	8.18
3.0 m					*16 270	13 190	*11 900	8640	*9820	6150			8170	5020	8.49
1.5 m					*18 250	12 280	*13 060	8150	9720	5890			7970	4850	8.53
0 m					*18 560	11 970	*13 430	7860	9530	5730			8210	4960	8.3
-1.5 m			*17 860	*17 860	*17 700	11 970	*13 300	7780	9500	5700			9040	5440	7.77
-3.0 m			*19 080	*19 080	*15 700	12 210	*11 890	7920					*9880	6580	6.87
-4.5 m					*11 730	*11 730							*9410	*9410	5.43

336D L

Medium Stick

2550 mm

Shoes

700 mm

	1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		9.0 m				
															m
7.5 m													*6640	*6640	7.08
6.0 m							*8820	*8820	*8330	6660			*6370	5840	8.04
4.5 m					*12 290	*12 290	*9960	9330	*8770	6460			*6390	5030	8.63
3.0 m					*15 430	13 490	*11 430	8740	*9480	6170			*6640	4610	8.92
1.5 m					*17 780	12 460	*12 730	8200	9720	5890			*7160	4460	8.96
0 m					*18 560	12 000	13 440	7860	9500	5690			7550	4550	8.74
-1.5 m			*16 430	*16 430	*18 070	11 910	13 290	7730	9420	5620			8220	4940	8.24
-3.0 m			*19 360	*19 350	*16 410	12 080	*12 350	7800					*9300	5840	7.4
-4.5 m			*17 340	*17 340	*13 070	12 500	*9340	8160					*9080	8000	6.09



Load Point Height



Load Radius Over Front



Load Radius Over Side



Load at Maximum Reach

* Limited by hydraulic rather than tipping load.

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

336D LN
Short Stick
 2150 mm
Shoes
 600 mm

	1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		9.0 m				
															m
7.5 m							*9090	9030					*9110	7740	6.53
6.0 m							*9430	8850	*8890	5980			*8880	5900	7.55
4.5 m					*13 220	13 150	*10 520	8380	*9200	5820			8770	4990	8.18
3.0 m					*16 270	11 830	*11 900	7810	*9820	5560			8070	4530	8.49
1.5 m					*18 250	10 950	*13 060	7330	9590	5310			7860	4360	8.53
0 m					*18 560	10 650	13 260	7050	9410	5140			8100	4460	8.3
-1.5 m			*17 860	*17 860	*17 700	10 650	13 170	6970	9380	5120			8920	4890	7.77
-3.0 m			*19 080	*19 080	*15 700	10 880	*11 890	7100					*9880	5920	6.87
-4.5 m					*11 730	11 390							*9410	8660	5.43

336D LN
Medium Stick
 2550 mm
Shoes
 600 mm

	1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		9.0 m				
															m
7.5 m													*6640	*6640	7.08
6.0 m							*8820	*8820	*8330	6060			*6370	5300	8.04
4.5 m					*12 290	*12 290	*9960	8490	*8770	5870			*6390	4550	8.63
3.0 m					*15 430	12 110	*11 430	7900	*9480	5580			*6640	4150	8.92
1.5 m					*17 780	11 120	*12 730	7380	9600	5310			*7160	4000	8.96
0 m					*18 560	10 670	13 270	7050	9380	5110			7450	4080	8.74
-1.5 m			*16 430	*16 430	*18 070	10 590	13 120	6920	9290	5040			8110	4430	8.24
-3.0 m			*19 360	*19 350	*16 410	10 750	*12 350	6990					*9300	5240	7.4
-4.5 m			*17 340	*17 340	*13 070	11 160	*9340	7340					*9080	7200	6.09

Standard Equipment

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

Electrical

Alternator – 80 amp
Heavy duty maintenance free batteries (2)
Lights working
Boom, both side
Cab interior
Cab mounted, two
Frame mounted
Rear view camera with display on monitor
Signal/warning horn

Engine

Automatic engine speed control
Caterpillar C9 engine (200 kW)
Altitude capability to 2300 m
Fine swing control
Fuel filter
High ambient cooling
Secondary engine shut-off switch
Side-by-side cooling system with separately mounted AC condenser
Water separator, with level indicator, for fuel line

Guards

6 mm swivel guard on undercarriage
Heavy duty bottom guards on upper frame
Heavy duty travel motor guards on undercarriage

Operator Station

Adjustable armrest
Air conditioner, heater and defroster with automatic climate control
Ashtray and 24 volt lighter
Beverage/cup holder
Bolt-on FOGS capability
Capability to install 2 additional pedals
Coat hook
Electrical provision for seat heater
EU sound criteria package
Floor mat, washable
Instrument panel and gauges with full color graphical display, start-up level checks
Laminated front windshield
Literature compartment
Mirrors – left and right
Neutral lever (lock out) for all controls
Positive filtered ventilation, pressurized cab
Rear window, emergency exit
Retractable seat belt
Sliding upper door window
Stationary skylight (polycarbonate)
Storage compartment suitable for a lunch box
Sunshade for windshield and skylight
Travel control pedals with removable hand levers
Windshield wiper and washer (upper and lower)

Undercarriage

Automatic swing parking brake
Automatic travel parking brakes
Grease lubricated track
Hydraulic track adjusters
Idler and center section track guards
Long (L)
Long Narrow (LN)
Steps – four
Two speed travel

Other Standard Equipment

Auxiliary hydraulic valve for hydro-mechanical tools
Cat branded XT hoses and reusable couplings
Cat Datalink and capability to use ET
Caterpillar one key security system with locks for doors, cab and fuel cap
Cross-roller type swing bearing
Counterweight with lifting eyes
Drive for auxiliary pump
Heavy lift mode
Regeneration circuit for boom and stick
S•O•SSM quick sampling valves for engine oil, hydraulic oil and coolant
Steel firewall between engine and hydraulic pump compartment
Wiring provisions for Product Link

Optional Equipment

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

Front Linkage

Bucket linkages

- DB-family for DB sticks with lifting eye)

- TB-family for TB sticks with lifting eye)

Buckets and quick coupler (pg.11)

Booms (with two working lights)

- HD Reach

- 6500 mm

- Mass excavation

- 6180 mm

Sticks

- For reach boom

- R2.8DB (2800 mm)

- R3.2DB (3200 mm)

- R3.9DB (3900 mm)

- For mass boom

- M2.1TB1 (2150 mm)

- M2.5TB1 (2550 mm)

Tips

Shoes

Triple grouser

- 336D L

- 600 mm, 700 mm, 850 mm

- Heavy duty – 600 mm

- 336D LN

- 600 mm

- Heavy duty – 600 mm

Guards

FOGS, bolt-on

Full length for L and LN undercarriage (two piece)

Track end guide for L and LN undercarriage

Operator Compartment

Joysticks

- Four button joystick or single action auxiliary control

- Thumb wheel modulation joystick

Lunch box storage with lid

Machine security system with programmable keys

Radio

- AM/FM radio mounted in right hand console with antenna and speakers

- Radio ready mounting at rear location including 24V to 12V converter

Seat

- Adjustable high-back seat with mechanical suspension

- Adjustable high-back seat with air suspension

- Adjustable high-back heated seat with air suspension

Straight travel pedal

Visor rain protection

Windshield

- 1-piece standard duty

- 1-piece high impact resistant

- 50-50 split, sliding

- 70-30 split, sliding

Auxiliary Controls and Lines

Auxiliary boom lines (high pressure for reach and mass booms)

Auxiliary stick lines (high pressure for reach and mass booms)

Basic control arrangements:

- Single action

- (single action tool such as hammer, with direct return to tank)

- System, combined

- (single and double action tools, direct return to tank)

- System, Medium Pressure AHC (two directional flow attachment)

- Circuit, Cooling (circulating circuit for cooling hydraulic oil)

Universal control group for quick coupler

Miscellaneous Options

Auto-cleaning attachment

Bio hydraulic oil package

Boom lowering control device with SmartBoom

Cab front rain protector

Converters, 7 amp-12V

- One

- Two

Electric refueling pump with auto shut-off

Fine filtration filter

Jump start terminals

Starting aid for cold weather with ether

Stick lowering control device

Travel alarm with cut off switch

336D L and 336D LN Hydraulic Excavators

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

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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