

# 329D L 329D LN

Hydraulic Excavators



## Engine

Engine Model	Cat® C7 Diesel Engine with ACERT™ Technology
Net Power (ISO 9249) at 1,800 rpm	152 kW (207 hp)

## Weight

Operating Weight	28 720 to 30 420 kg
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## Drive

Maximum Travel Speed	5.3 km/h
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## Working Ranges

Maximum Reach at Ground Level	10 820 mm
Maximum Digging Depth	7110 mm

## Features

### 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.

### Operator Station

A ROPS cab provides maximum space, wider visibility and easy access to switches.

### SmartBoom™

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

### Engine

The Cat® C7 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.

### Booms, Sticks and Linkage

Caterpillar excavator booms and sticks are built for performance and long service life. The bucket linkage pins have been enlarged to improve reliability and durability. All booms and sticks are stress relieved.

### Work Tools and GET

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

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**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.**

# Engine

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

## Performance

The Cat C7 engine with ACERT Technology offers more engine power, and runs at lower speeds for better fuel efficiency and reduced wear.

## Power Management Modes

The Power Modes are selected from the monitor menu. They allow selecting optimal machine performances for each type of application.

- High Power Mode is recommended for applications where high productivity is essential or for hard digging applications.
- Power Management Mode provides a mid-range choice between the productivity of High Power Mode and the fuel economy advantage of Economy Mode.
- Economy Mode is for applications where fuel economy is a priority over productivity.

The Power Management Mode and Economy Mode performances are achieved through finely tuned hydraulic horsepower and engine RPM management.

## Automatic Engine Speed Control

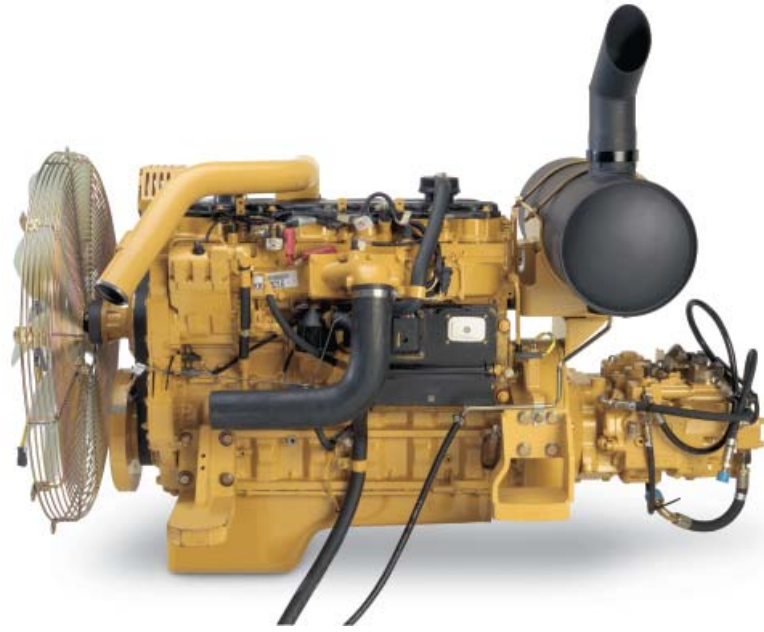
The two-stage, one-touch control maximizes fuel efficiency and reduces sound levels.

## 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 C7 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 driven from a viscous clutch which is electrically controlled by the machine ECM. It calculates optimum fan speed based on the target engine speed, coolant temperature, hydraulic oil temperature and actual fan speed. The Cat C7 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

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



## Emissions

The Cat C7 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.

- Hydraulic oil service interval can be extended to 4,000 hours with the S·O·S<sup>SM</sup> program.
- In addition to the S·O·S<sup>SM</sup> program fine filtration system attachment extends the service interval to 5,000 hours.
- Cat Extended Life Coolant extends service to 6,000 hours, less need for fluid disposal.
- The hydraulic system is compatible with Cat HEES hydraulic bio-oil for ecologically sensitive applications.



# Hydraulics

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

## Component Layout

The 329D 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

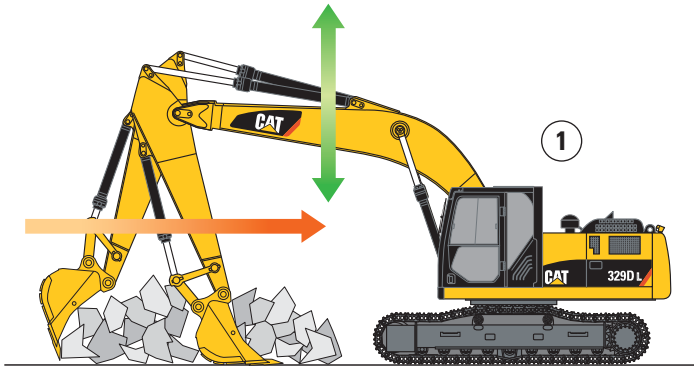
The auxiliary valve is standard. Control circuits are optional, allowing for operation of high and medium pressure tools such as shears, grapples, hammers, pulverizers, etc.

## 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.

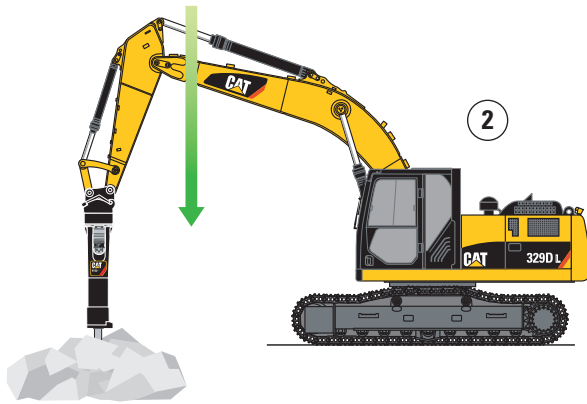


## Rock Scraping (1)

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.

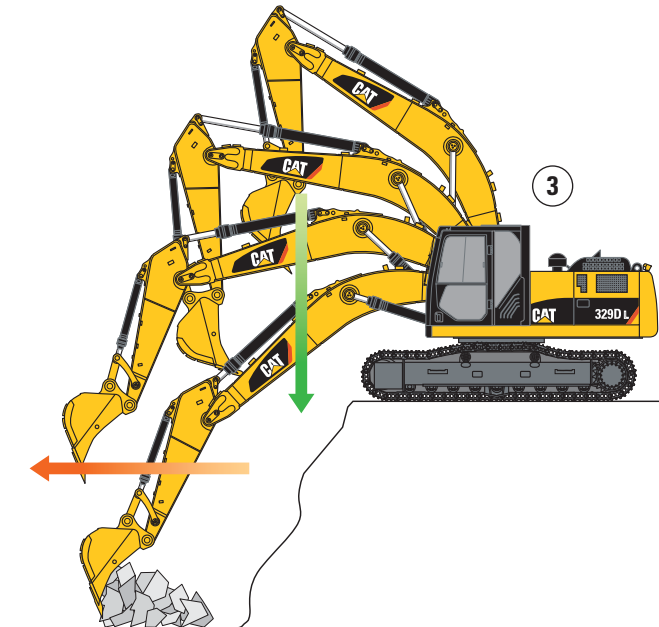
## Hammer Work (2)

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 (3)

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 329D 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. The ROPS Cab air filter is accessible at ground level.

## **Seat**

An optional air suspension seat is available in the 329D. 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 329D 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.



## Operator Station (cont.)

### Skylight

A large polycarbonate openable sunroof 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.

- 70/30 split front windshield stores the upper portion above the operator.
- The openable version features a one-touch action release system.
- The one-piece fixed front windshield provides an unobstructed forward view.

### 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 (ROPS)

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.

A ROPS cab (Roll Over Protective Structure) is standard on CE-compliant units and provides 10% more glass area than the previous non-ROPS cab.

### 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.



# Electronic Control System

Manages the engine and hydraulics for maximum performance.

## Monitor Display Screen

The monitor is a full color 400 × 234 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.

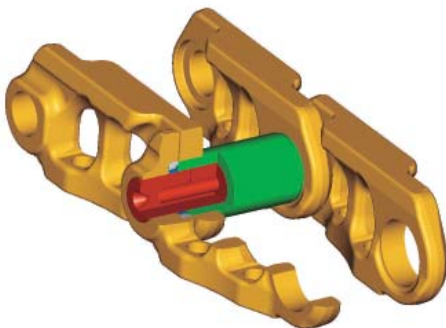
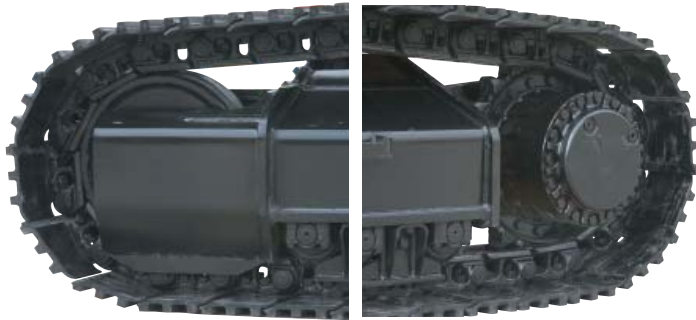
## Keypad

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



# Structure

329D structural components and undercarriage are the backbone of the machine's durability.



## Tracks

The 329D 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 Cat 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

329D 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 329D 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

The 329D is equipped with S·O·S<sup>SM</sup> sampling ports and hydraulic test ports for the hydraulic system, engine oil, and for coolant. A test connection for the Electronic Technician (ET) service 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 concentrated remote greasing block on the boom delivers grease to hard-to-reach locations on the front.

## Radiator Compartment

The left rear service door allows easy access to the engine radiator, oil cooler and air-to-air aftercooler. Reserve tank and drain cock are attached to the radiator for simplified maintenance.



# 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 three 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.

## Reach Boom

The reach boom (6150 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 (5550 mm) is designed to provide maximum digging forces, bucket capacity and truck loading productivity.

## Super Long Reach

This configuration offers reaches to over 18 m. It is well suited for ditch cleaning applications.

## 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

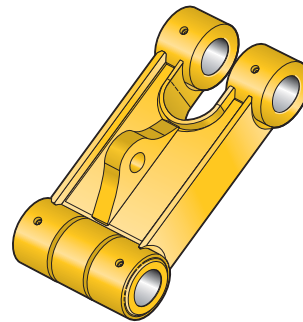
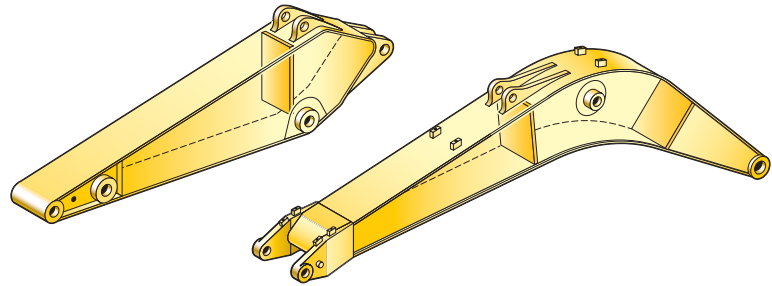
Two lengths of reach sticks are available to suit a variety of applications. Reach sticks use the CB2 linkage.

- R3.2CB2. The 3200 mm stick gives the largest working envelope with medium-sized buckets.
- R2.6CB2. The 2650 mm stick uses larger capacity CB2 family buckets and is best suited for trenching, excavation and general construction applications.

## Mass Stick

The mass excavation stick is available for higher digging forces and increased bucket capacity.

- M2.5DB. The 2500 mm stick provides excellent digging envelope with large bucket capacity and high force levels.



## Bucket Linkage

Two bucket linkages (CB2 and DB) are available, with lifting eye on the power link.

## Power Link

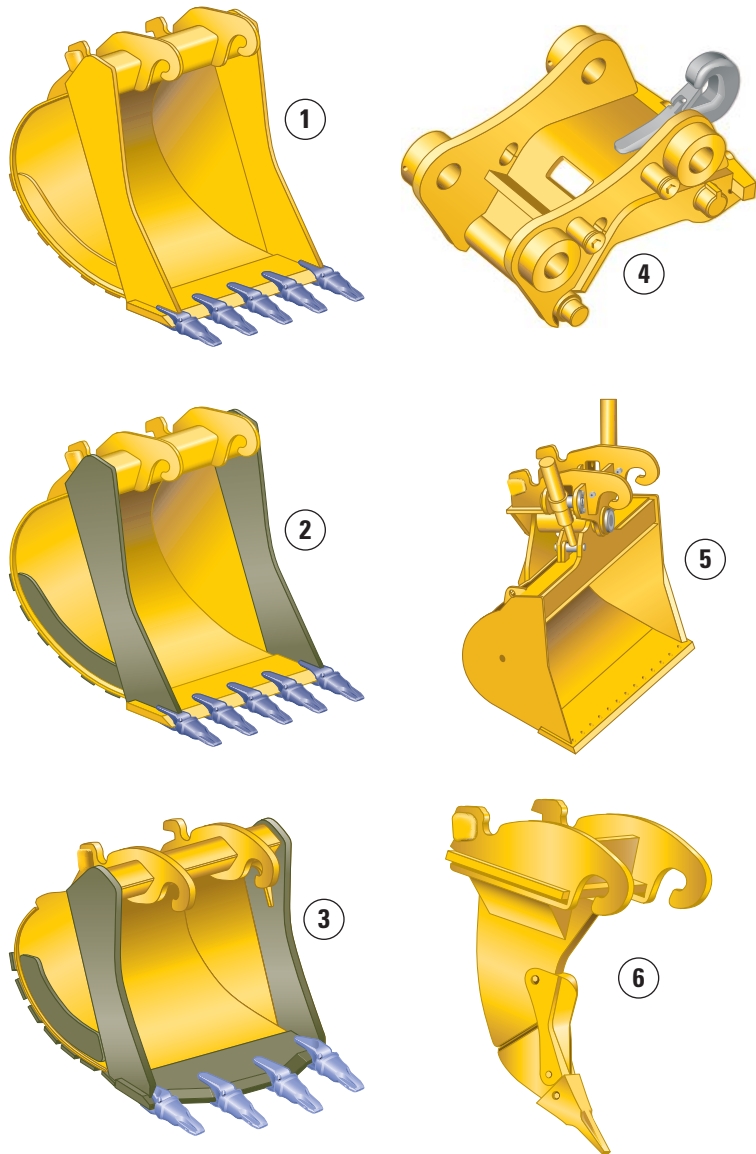
The new power link improves durability, increases machine-lifting capability in key lifting positions, and is easier to use compared to the previous lift bar design.

## 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.



## 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.

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

# Purpose designed and built to Caterpillar's high durability standards.

## 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.



# 329D L and 329D LN Specifications

## Bucket Specifications

	Linkage	Width mm	Weight* kg	Capacity (ISO) m <sup>3</sup>	Fill Factor %	Reach Boom – 6150 mm				ME Boom – 5550 mm		
						329D L		329D LN		329D L	329D LN	
						2650 mm	3200 mm	2650 mm	3200 mm	2500 mm	2500 mm	
<b>Without Quick Coupler</b>												
Excavation	CB2	600	646	0.49	100					x	x	
	CB2	750	688	0.67	100					x	x	
	CB2	1250	919	1.29	100					x	x	
	CB2	1300	958	1.35	100					x	x	
	CB2	1350	979	1.42	100					x	x	
	CB2	1400	1000	1.48	100					x	x	
	CB2	1500	1043	1.61	100					x	x	
	CB2	1600	1084	1.74	100					x	x	
	DB	1000	1124	1.11	100	x	x	x	x			
	DB	1350	1333	1.62	100	x	x	x	x			
	DB	1500	1443	1.84	100	x	x	x	x			
	DB	1600	1501	1.99	100	x	x	x	x			
	DB	1650	1530	2.07	100	x	x	x	x			
	DB	1700	1558	2.14	100	x	x	x	x			
DB	1800	1616	2.29	100	x	x	x	x				
Extreme Excavation	CB2	750	724	0.66	100					x	x	
	CB2	1150	926	1.16	100					x	x	
	CB2	1350	1014	1.42	100					x	x	
	CB2	1450	1083	1.55	100					x	x	
	CB2	1500	1104	1.61	100					x	x	
	CB2	1600	1148	1.74	100					x	x	
	DB	1350	1454	1.62	100	x	x	x	x			
	DB	1500	1549	1.84	100	x	x	x	x			
	DB	1600	1647	1.99	100	x	x	x	x			
	DB	1650	1678	2.07	100	x	x	x	x			
Rock	DB	1000	1257	1.11	90	x	x	x	x			
	DB	1650	1820	2.07	90	x	x	x	x			
Maximum load in kg (payload plus bucket)						4539	4098	3985	3584	5288	4632	
<b>With Quick Coupler</b>												
Excavation	CW45, CW45S	CB2	600	615	0.49	100					x	x
		CB2	750	611	0.67	100					x	x
		CB2	1250	845	1.29	100					x	x
		CB2	1300	884	1.35	100					x	x
		CB2	1350	904	1.42	100					x	x
		CB2	1400	925	1.48	100					x	x
		CB2	1500	966	1.61	100					x	x
		CB2	1600	985	1.74	100					x	x
	CW45, CW45S	DB	1000	1108	1.11	100	x	x	x	x		
		DB	1350	1314	1.62	100	x	x	x	x		
		DB	1500	1423	1.84	100	x	x	x	x		
		DB	1600	1482	1.99	100	x	x	x	x		
		DB	1650	1511	2.07	100	x	x	x	x		
		DB	1700	1539	2.14	100	x	x	x	x		
Extreme Excavation	CW45, CW45S	DB	1800	1563	2.29	100	x	x	x	x N		
		CB2	750	675	0.67	100					x	x
		CB2	1150	878	1.16	100					x	x
		CB2	1350	966	1.42	100					x	x
		CB2	1450	1034	1.55	100					x	x
		CB2	1500	1056	1.61	100					x	x
	CW45, CW45S	CB2	1600	1100	1.74	100					x	x
		DB	1350	1436	1.62	100	x	x	x	x		
		DB	1500	1531	1.84	100	x	x	x	x		
		DB	1600	1629	1.99	100	x	x	x	x		
Rock	DB	1650	1661	2.07	100	x	x	x	x			
	DB	1700	1691	2.14	100	x	x	x	x			
	DB	1000	1277	1.11	90	x	x	x	x			
	DB	1650	1760	2.07	90	x	x	x	x			
Maximum load in kg (payload plus bucket)						4289	3848	3735	3334	4838	4182	

\* Bucket weight including penetration plus tips



Max. Material Density  
1200 kg/m<sup>3</sup>



Max. Material Density  
1500 kg/m<sup>3</sup>



Max. Material Density  
1800 kg/m<sup>3</sup>



Not recommended



Not compatible



## Work Tools Matching Guide

		Reach Boom – 6150 mm				ME Boom – 5550 mm		
		329D L		329D LN		329D L	329D LN	
		2650 mm	3200 mm	2650 mm	3200 mm	2500 mm	2500 mm	
<b>Without Quick Coupler</b>								
Hammers	H120C s, H130 s, H140D s							
Multiprocessors	MP20 CC, CR, PP, PS, S, TS							
	MP30 CC, CR, S, TS	N	N	N	N		N	
Crushers and Pulverizers	MP30 PP, PS	N	N	N	N		N	
	VHC-40							
	VHC-50	N	N	N	N			
	VHP-40							
Hydraulic Shears	VHP-50	N	N	N	N			
	S320							
	S325		N		N			
Mechanical Grapples	S340*							
	G115							
Multi Grapples	G125		N	N	N			
	G320							
Vibratory Plate Compactor	G330	N	N	N	N			
	G320B-D, -R							
Clamshell Buckets (rehandling)	CVP110							
	GOS-35 620, 700, 780							
	GOS-35 1050, 1260							
	GOS-35 1460, 1670							
	GOS-45 970							
	GOS-45 1120							
	GOS-45 1270							
	GOS-45 1580							
	GOS-45 1710				N			
Orange Peel Grapples	GOS-45 2020		N	N	N			
	GOS-45 2340	N	N	N	N		N	
	5 tines	GSH20B 600, 800						
		GSH20B 1000						
		GSH22B 600						
		GSH22B 800						
		GSH22B 1000				N		
	4 tines	GSH22B 1250		N	N	N		
		GSH20B 600, 800, 1000						
		GSH22B 600						
		GSH22B 800						
GSH22B 1000								
GSH22B 1250				N				

\* Boom mounted

### With Quick Coupler

Quick Couplers	CW-45						
	CW-45S						
Hammers	H120C s, H130 s, H140D s						
	MP20 CC, CR, PS, S						
Multiprocessors	MP20 PP, TS				N		
	VHC-40				N		
Crushers and Pulverizers	VHC-50	N	N	N	N		N
	VHP-40				N		
	VHP-50	N	N	N	N		N
Hydraulic Shears	S320						
	S325	N	N	N	N		
Mechanical Grapples	G115						
	G125	N	N	N	N		N
Multi Grapples	G315					N	N
	G320		N	N	N		
	G330	N	N	N	N		N
	G320B-D, -R					N	N
Vibratory Plate Compactor	CVP110						

360° Working range

Over the front only

Best choice

Quick coupler match

N Not recommended

Max. Material Density 1200 kg/m<sup>3</sup>

Max. Material Density 1800 kg/m<sup>3</sup>

Max. Material Density 3000 kg/m<sup>3</sup>

# 329D L and 329D LN Specifications

## Engine

Engine Model	Cat® C7 with ACERT™ Technology
--------------	--------------------------------

### Net Power at 1,800 rpm

ISO 9249	152 kW (207 hp)
80/1269/EEC	152 kW (207 hp)

Bore	110 mm
------	--------

Stroke	127 mm
--------	--------

Displacement	7.2 liters
--------------	------------

- All engine horsepower (hp) are metric including front page.
- The C7 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 76 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 104 dB(A).

## Cab/ROPS/FOGS

- Cat cab with integrated Roll Over Protective Structure (ROPS) meets ISO 12117-2:2008 criteria.
- Cab with Falling Object Guard Structure (FOGS) meets ISO 10262.

## Hydraulic System

### Main System

Maximum flow	2 × 235 l/min
--------------	---------------

### Maximum pressure

Normal	350 bar
--------	---------

Heavy lift	360 bar
------------	---------

Travel	350 bar
--------	---------

Swing	275 bar
-------	---------

### Pilot System

Maximum flow	32.4 l/min
--------------	------------

Maximum pressure	39 bar
------------------	--------

### Boom Cylinder

Bore	140 mm
------	--------

Stroke	1407 mm
--------	---------

### Stick Cylinder

Bore	150 mm
------	--------

Stroke	1646 mm
--------	---------

### CB2 Family Bucket Cylinder

Bore	135 mm
------	--------

Stroke	1156 mm
--------	---------

### DB Family Bucket Cylinder

Bore	150 mm
------	--------

Stroke	1151 mm
--------	---------

## Track Width

Undercarriage with triple grouser shoes

<b>Long (L)</b>	600 mm, 800 mm, 900 mm, 600 mm HD, 700 mm HD
-----------------	--

<b>Long Narrow (LN)</b>	600 mm, 800 mm, 600 mm HD, 700 mm HD
-------------------------	--------------------------------------

## Drive

Maximum Travel Speed	5.3 km/h
----------------------	----------

Maximum Drawbar Pull	249 kN
----------------------	--------

## Swing Mechanism

Swing Speed	10.2 rpm
-------------	----------

Swing Torque	82.2 kN·m
--------------	-----------

## Service Refill Capacities

Fuel Tank	520 liters
-----------	------------

Cooling System	30 liters
----------------	-----------

Engine Oil	30 liters
------------	-----------

Swing Drive (each)	10 liters
--------------------	-----------

Final Drive (each)	6 liters
--------------------	----------

Hydraulic system (including tank)	310 liters
-----------------------------------	------------

Hydraulic tank	257 liters
----------------	------------

## Machine and Major Component Weights

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

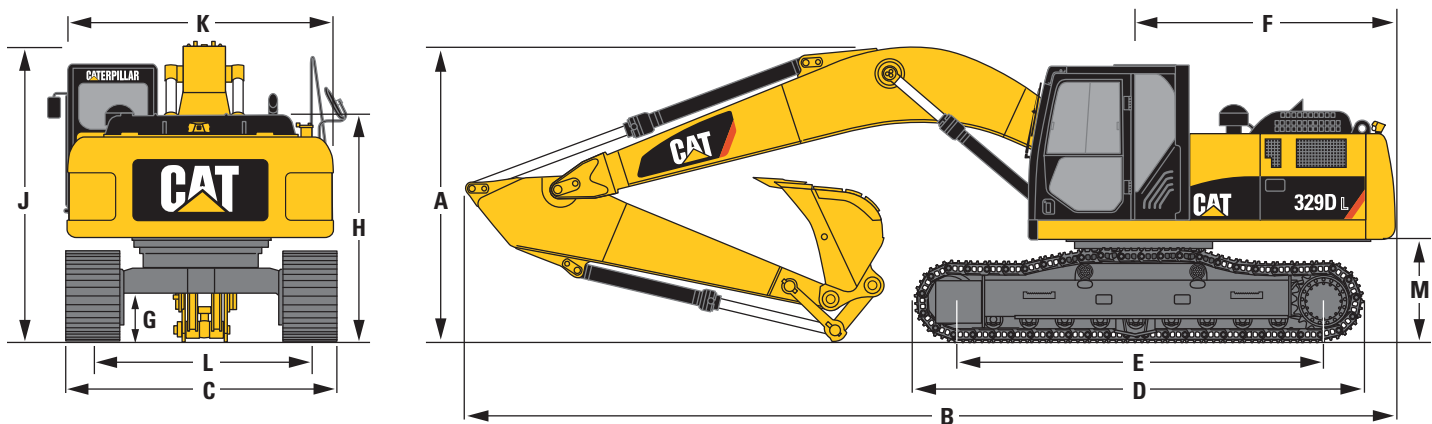
		Reach Boom 6150 mm		ME Boom 5550 mm	VA Boom 5850 mm		Super Long Reach 10 200 mm
		R2.6CB2	R3.2CB2	M2.5DB	R2.6CB2	R3.2CB2	SLR7.85
Stick type							
Stick length	mm	2650	3200	2500	2650	3200	7850
Bucket weight	kg	925	884	1436	1069	1048	351
Bucket capacity	m <sup>3</sup>	1.5	1.35	1.6	1.48	1.42	0.4
Bucket width/type	mm	1400/X	1300/X	1350/EX	1400/X	1300/X	—
Operating weight*							
329D L (800 mm shoes)	kg	29 750	29 880	30 430	30 310	30 432	30 571
329D LN (600 mm shoes)	kg	28 730	28 860	29 420	29 293	29 415	—
Ground pressure							
329D L (800 mm shoes)	bar	0.43	0.43	0.44	0.432	0.434	0.48
329D LN (600 mm shoes)	bar	0.56	0.56	0.57	0.557	0.559	0.63
Stick weight (without bucket cylinder)	kg	840	945	980	832	975	1340
Boom weight (without stick cylinder)	kg	1770	1770	1830	2810	2810	2550
Upperstructure (without counterweight)	kg	6766	6766	6766	6766	6766	6766
Undercarriage							
329D L (800 mm shoes)	kg	11 400	11 400	11 400	11 395	11 395	11 400
329D LN (600 mm shoes)	kg	10 378	10 378	10 378	10 378	10 378	—
Counterweight	kg	5810	5810	5810	5812	5812	6760

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

# 329D L and 329D LN Specifications

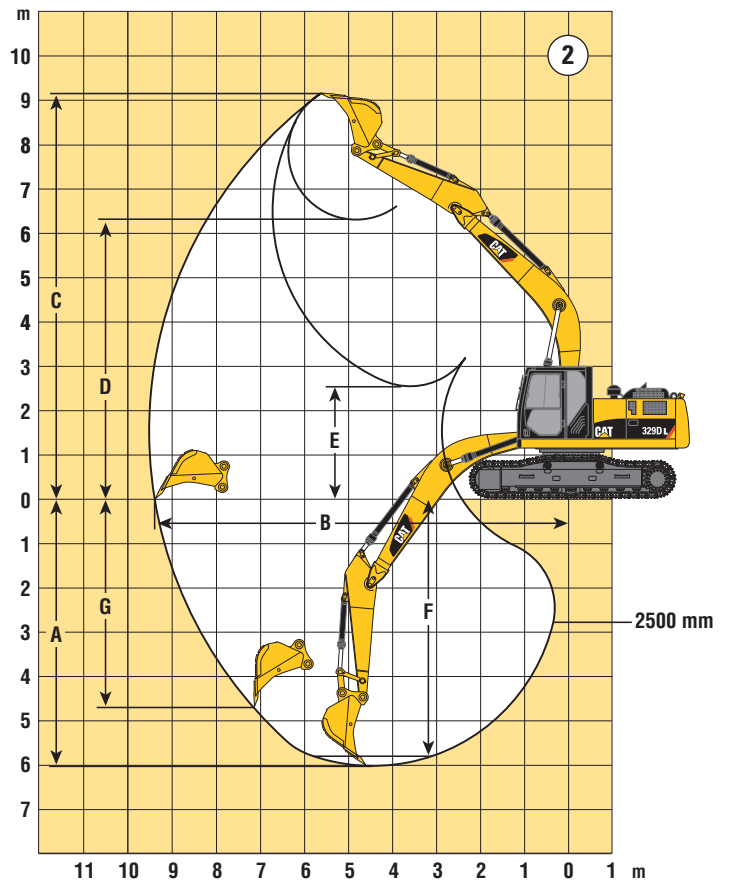
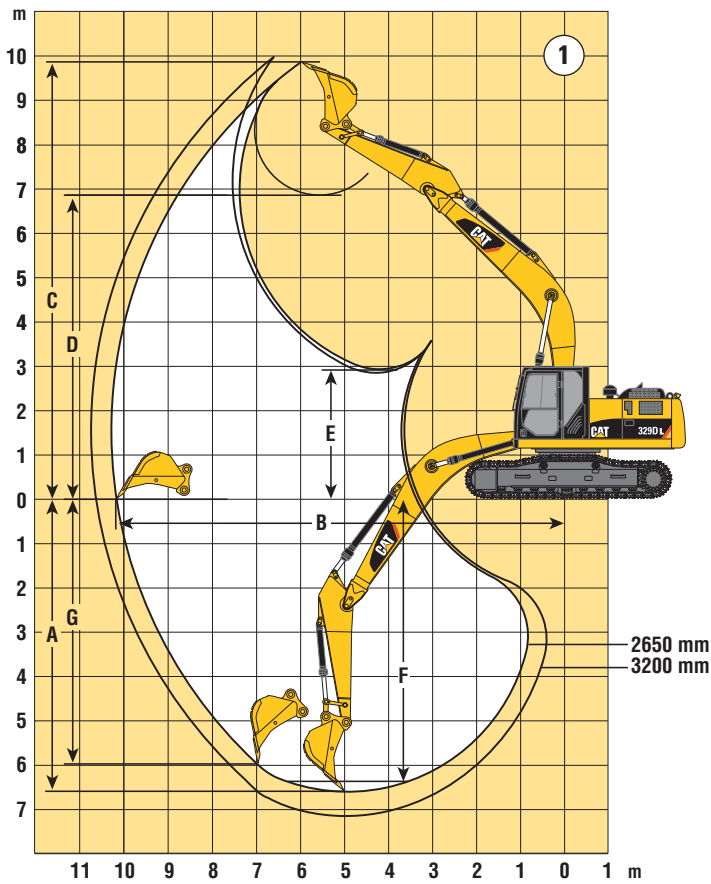
## Dimensions

All dimensions are approximate.



Stick		Reach Boom		ME Boom	VA Boom		Super Long Reach	
		2650 mm	3200 mm	2500 mm	2650 mm	3200 mm	7850 mm	
<b>A</b>	Shipping height (with bucket)	mm	3190	3180	3250	3390	3420	3230
<b>B</b>	Shipping length	mm	10 420	10 410	9860	10 480	10 480	14 380
<b>C</b>	Track width							
	329D L (800 mm shoes)	mm	3390	3390	3390	3390	3390	3390
	329D LN (600 mm shoes)	mm	2990	2990	2990	2990	2990	—
<b>D</b>	Track length	mm	4860	4860	4860	4860	4860	4860
<b>E</b>	Length to centers of rollers	mm	3990	3990	3990	3990	3990	3990
<b>F</b>	Tail swing radius	mm	3080	3080	3080	3080	3080	3080
<b>G</b>	Ground clearance	mm	480	480	480	480	480	480
<b>H</b>	Body height	mm	2610	2610	2610	2610	2610	2610
<b>J</b>	Cab height	mm	3170	3170	3170	3170	3170	3170
<b>K</b>	Body width	mm	2900	2900	2900	2900	2900	2900
<b>L</b>	Track gauge							
	329D L	mm	2590	2590	2590	2590	2590	2590
	329D LN	mm	2390	2390	2390	2390	2390	—
<b>M</b>	Counterweight clearance	mm	1080	1080	1080	1080	1080	1110

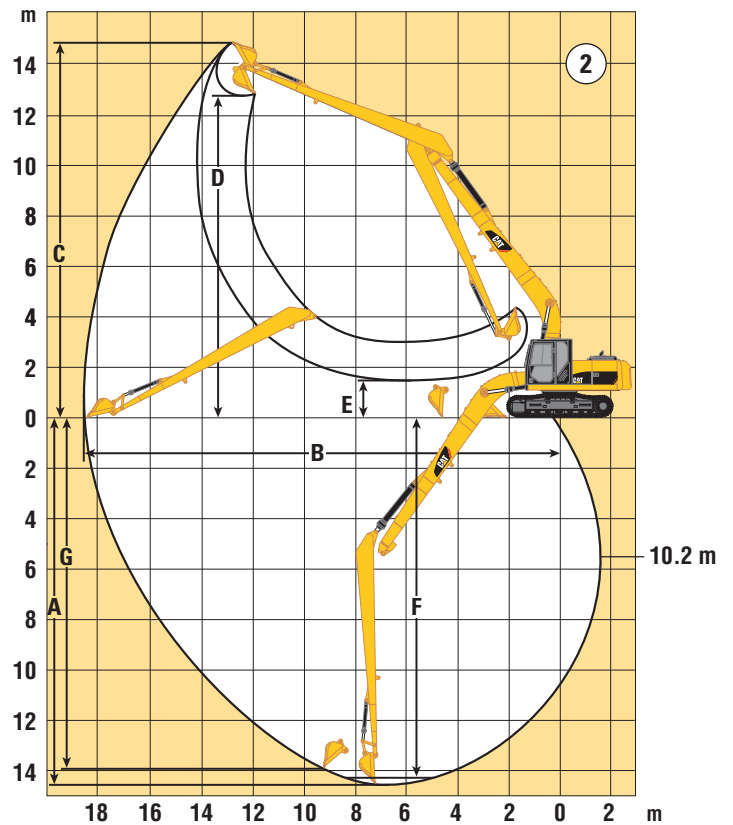
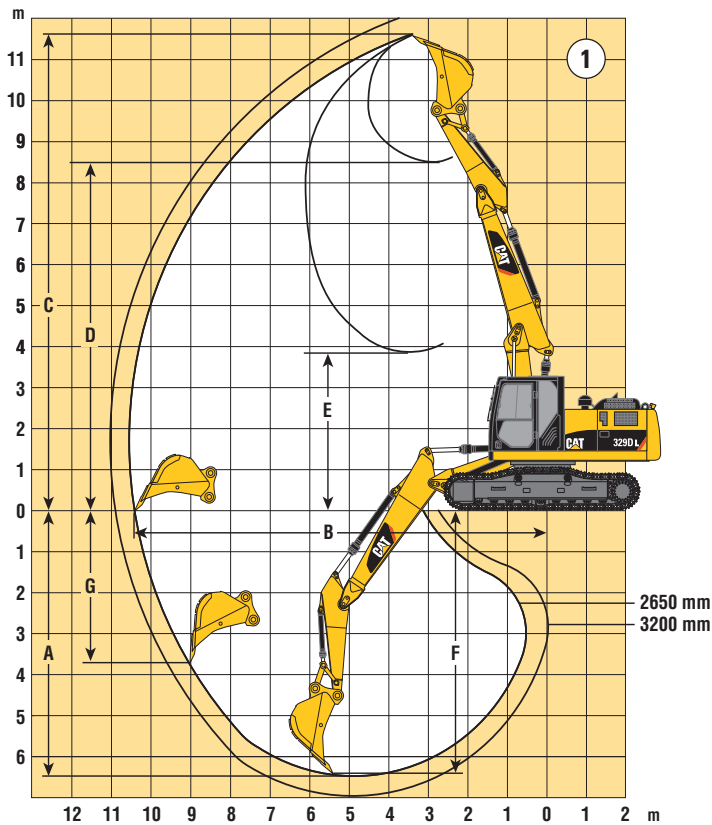
## Working Ranges



	① Reach Boom 6150 mm		② ME Boom 5550 mm
	R2.6CB2	R3.2CB2	M2.5DB
Stick type			
Stick length	mm	2650	3200
<b>A</b> Maximum digging depth	mm	-6620	-7170
<b>B</b> Maximum reach at ground level	mm	10 130	10 600
<b>C</b> Maximum cutting height	mm	9880	9990
<b>D</b> Maximum loading height	mm	6870	7020
<b>E</b> Minimum loading height	mm	2920	2370
<b>F</b> Maximum digging depth 2500 mm level bottom	mm	-5980	-7010
<b>G</b> Maximum vertical wall digging depth	mm	-6440	-6510
Bucket tip radius	mm	1610	1610
Bucket force (ISO 6015)	kN	168	159
Stick force (ISO 6015)	kN	155	138

# 329D L and 329D LN Specifications

## Working Ranges



		① VA Boom 5850 mm		② Super Long Reach 10 200 mm
		R2.6CB2	R3.2CB2	SLR7.85
Stick type				
Stick length	mm	2650	3200	7850
<b>A</b> Maximum digging depth	mm	-6466	-6984	-14 750
<b>B</b> Maximum reach at ground level	mm	10 333	10 819	18 600
<b>C</b> Maximum cutting height	mm	11 679	12 006	14 842
<b>D</b> Maximum loading height	mm	8444	8778	12 735
<b>E</b> Minimum loading height	mm	3892	3296	1483
<b>F</b> Maximum digging depth 2500 mm level bottom	mm	-6364	-6889	-14 650
<b>G</b> Maximum vertical wall digging depth	mm	-4358	-4887	-13 986
Bucket tip radius	mm	1610	1610	1220
Bucket force (ISO 6015)	kN	168	159	63
Stick force (ISO 6015)	kN	155	138	46

## Lift Capacities – Reach Boom (6150 mm)

All weights are in kg.

### 329D L

#### Medium Stick

2650 mm

#### Shoes

800 mm















#### Bucket Weight

1069 kg

#### Counterweight

5800 kg

#### Heavy Lift On

	3.0 m		4.5 m		6.0 m		7.5 m		9.0 m					
													m	
9.0 m												*5000	*5000	6.45
7.5 m												*3500	*3500	7.41
6.0 m							*6700	5100				*4600	4250	8.21
4.5 m			*10 300	*10 300	*8150	7200	*7200	4950				*4600	3650	8.81
3.0 m					*9750	6800	7750	4750				*4700	3350	9.15
1.5 m					10 850	6450	7550	4550				*5000	3250	9.21
Ground Line					10 600	6250	7400	4450				*5500	3300	9.00
-1.5 m			*15 600	9800	10 550	6200	7350	4400				6050	3600	8.51
-3.0 m	*13 450	*13 450	*14 000	9950	10650	6250						7150	4300	7.70
-4.5 m			*11 000	10 250	*8250	6500						*7250	5900	6.41

### 329D L

#### Long Stick

3200 mm

#### Shoes

800 mm















#### Bucket Weight

1048 kg

#### Counterweight

5800 kg

#### Heavy Lift On

	3.0 m		4.5 m		6.0 m		7.5 m		9.0 m					
													m	
7.5 m							*4450	*4450				*3550	*3550	7.96
6.0 m							*6050	5150				*3550	*3550	8.71
4.5 m					*7400	7300	*6600	5000	*4950	3550		*3500	3300	9.31
3.0 m			*12 650	10 800	*9050	6900	*7450	4750	5700	3450		*3600	3000	9.62
1.5 m			*12 650	10 000	*10 600	6500	7550	4550	5600	3350		*3850	2900	9.68
Ground Line			*13 050	9700	10 600	6200	7400	4400	5500	3250		*4250	2950	9.48
-1.5 m	*7000	*7000	*16 050	9650	10 450	6100	7300	4300				*4900	3200	9.02
-3.0 m	*12 700	*12 700	*14 800	9750	10 500	6150	7300	4350				*6000	3750	8.26
-4.5 m	*16 000	*16 000	*12 350	10 000	*9400	6300						*7250	4900	7.09



Load Point Height



Load Radius Over Front



Load Radius Over Side



Load at Maximum Reach

\* Indicates that the load is limited by hydraulic lifting capacity rather than tipping load.

The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories must be deducted from the above lifting capacities. Lifting capacities are based on the machine standing on a firm, uniform supporting surface.

Always refer to the appropriate Operation and Maintenance Manual for specific product information.

# 329D L and 329D LN Specifications

## Lift Capacities – Reach Boom (6150 mm)

All weights are in kg.

### 329D LN

#### Medium Stick

2650 mm

#### Shoes

600 mm















#### Bucket Weight

1069 kg

#### Counterweight

5800 kg

#### Heavy Lift On

	3.0 m		4.5 m		6.0 m		7.5 m		9.0 m					
													m	
9.0 m												*5000	*5000	6.45
7.5 m												*3500	*3500	7.41
6.0 m							*6700	4500				*4600	3750	8.21
4.5 m			*10 300	10 200	*8150	6400	*7200	4350				*4600	3200	8.81
3.0 m					*9750	6000	7500	4150				*4700	2900	9.15
1.5 m					10 450	5650	7300	4000				*5000	2800	9.21
Ground Line					10 250	5450	7150	3850				5350	2850	9.00
-1.5 m			*15 600	8500	10 200	5400	7100	3800				5800	3150	8.51
-3.0 m	*13 450	*13 450	*14 000	8650	10 250	5450						6900	3750	7.70
-4.5 m			*11 000	8950	*8250	5650						*7250	5150	6.41

### 329D LN

#### Long Stick

3200 mm

#### Shoes

600 mm















#### Bucket Weight

1048 kg

#### Counterweight

5800 kg

#### Heavy Lift On

	3.0 m		4.5 m		6.0 m		7.5 m		9.0 m					
													m	
7.5 m							*4450	*4450				*3550	*3550	7.96
6.0 m							*6050	4550				*3550	3350	8.71
4.5 m					*7400	6500	*6600	4400	*4950	3100		*3500	2850	9.31
3.0 m			*12 650	9450	*9050	6050	*7450	4200	5500	3000		*3600	2600	9.62
1.5 m			*12 650	8700	10 500	5650	7300	3950	5350	2900		*3850	2500	9.68
Ground Line			*13 050	8400	10 200	5400	7100	3800	5300	2800		*4250	2550	9.48
-1.5 m	*7000	*7000	*16 050	8400	10 100	5300	7000	3750				*4900	2750	9.02
-3.0 m	*12 700	*12 700	*14 800	8450	10 100	5350	7050	3750				*6000	3250	8.26
-4.5 m	*16 000	*16 000	*12 350	8700	*9400	5500						*7250	4250	7.09



Load Point Height



Load Radius Over Front



Load Radius Over Side



Load at Maximum Reach

\* Indicates that the load is limited by hydraulic lifting capacity rather than tipping load.






















The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories must be deducted from the above lifting capacities. Lifting capacities are based on the machine standing on a firm, uniform supporting surface.






















Always refer to the appropriate Operation and Maintenance Manual for specific product information.



## Lift Capacities – Mass Excavation Boom (5550 mm)

All weights are in kg.

329D L	3.0 m		4.5 m		6.0 m		7.5 m		9.0 m				m
													
<b>Medium Stick</b> 2500 mm													
<b>Shoes</b> 800 mm	7.5 m										*4350	*4350	6.36
<b>Bucket Weight</b> 1433 kg	6.0 m				*7200	*7200					*5100	5000	7.27
<b>Counterweight</b> 5800 kg	4.5 m				*8100	6950	*7350	4600			*5100	4100	7.94
<b>Heavy Lift On</b>	3.0 m		*13 200	10 500	*9500	6550	7450	4400			*5350	3600	8.31
	1.5 m				10 650	6200	7250	4250			*5800	3450	8.37
	Ground Line		*16 100	9550	10 400	5950	7100	4100			6200	3550	8.14
	-1.5 m	*11 650	*11 650	*15 200	9550	10 300	5900				6950	4000	7.61
	-3.0 m	*16 500	*16 500	*13 000	9700	*9650	6000				*8100	5100	6.68

329D LN	3.0 m		4.5 m		6.0 m		7.5 m		9.0 m				m
													
<b>Medium Stick</b> 2500 mm													
<b>Shoes</b> 600 mm	7.5 m										*3100	*3100	7.29
<b>Bucket Weight</b> 1433 kg	6.0 m					*4850	4250				*3050	*3050	8.09
<b>Counterweight</b> 5800 kg	4.5 m				*7050	6350	*6250	4150			*3050	3050	8.67
<b>Heavy Lift On</b>	3.0 m		*11 550	9650	*8700	5950	7300	3950			*3150	2700	9.01
	1.5 m		*14 750	8800	*10 300	5550	7100	3750			*3400	2600	9.07
	Ground Line		*16 150	8400	10 150	5300	6900	3600			*3850	2650	8.86
	-1.5 m	*11 600	*11 600	*15 950	8300	10 000	5150	6850	3550		*4600	2950	8.36
	-3.0 m	*16 800	*16 800	*14 450	8350	10 000	5200				*5950	3550	7.53
	-4.5 m			*11 150	8600	*7800	5400				*7250	5150	6.19



Load Point Height



Load Radius Over Front



Load Radius Over Side



Load at Maximum Reach

\* Indicates that the load is limited by hydraulic lifting capacity rather than tipping load.

















The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories must be deducted from the above lifting capacities. Lifting capacities are based on the machine standing on a firm, uniform supporting surface.

















Always refer to the appropriate Operation and Maintenance Manual for specific product information.

# 329D L and 329D LN Specifications

## Lift Capacities – Variable Angle Boom (5850 mm)

All weights are in kg.

329D L Medium Stick 2650 mm	1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		9.0 m				m	
																
<b>Shoes</b> 9.0 mm														*2600	*2600	6.35
800 mm								*4700	*4700					*3350	*3350	7.63
<b>Bucket Weight</b> 1069 kg					*7250	*7250	*7500	*7500	*4850	*4850				*4500	4000	8.42
<b>Counterweight</b> 5800 kg					*10 500	*10 500	*6750	*6750	*4900	4850				*4600	3400	8.98
<b>Heavy Lift On</b>					*8800	*8800	*6400	*6400	*5300	4600	5650	3350		*4700	3100	9.31
					*12 400	9850	*7750	6200	*6050	4400	5550	3250		*4900	3000	9.37
<b>Ground Line</b>			*8700	*8700	*10 450	9450	*9600	6000	*7250	4250				5300	3050	9.17
-1.5 m	*12 250	*12 250	*8100	*8100	*11 000	9500	*9600	5950	7250	4200				*5400	3350	8.69
-3.0 m	*12 900	*12 900	*12 150	*12 150	*8850	*8850	*7050	6050	*5100	4300				*4300	4000	7.87
-4.5 m			*14 900	*14 900	*9100	*9100								*6800	*6800	5.65

329D L Long Stick 3200 mm	1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		9.0 m				m		
																	
<b>Shoes</b> 10.5 mm														*4350	*4350	5.22	
800 mm								*3150	*3150					*2800	*2800	7.02	
<b>Bucket Weight</b> 1048 kg								*5850	*5850	*3650	*3650			*3550	*3550	8.18	
<b>Counterweight</b> 5800 kg								*6400	*6400	*3700	*3700			*3500	*3500	8.91	
<b>Heavy Lift On</b>					*11 600	*11 600	*8450	*8450	*7250	*7250	*3650	*3650	*3650	3450	*3500	3100	9.48
					*12 750	*12 750	*9550	*9550	*5900	*5900	*4950	4650	*3850	3350	*3550	2800	9.79
					*7700	*7700	*10 600	9700	*7050	6250	*5550	4400	*4150	3200	*3800	2700	9.85
<b>Ground Line</b>			*5750	*5750	*10 450	9350	*8750	6000	*6400	4200	*4850	3100		*4150	2750	9.66	
-1.5 m	*9300	*9300	*6600	*6600	*12 500	9300	*10 200	5850	7200	4150				*4750	2950	9.20	
-3.0 m	*12 250	*12 250	*13 000	*13 000	*9450	*9450	*8050	5900	*6150	4150				*4350	3450	8.46	
-4.5 m			*14 450	*14 450	*8800	*8800	*6100	6100						*5150	5000	6.84	

 Load Point Height

 Load Radius Over Front

 Load Radius Over Side

 Load at Maximum Reach
















\* Indicates that the load is limited by hydraulic lifting capacity rather than tipping load.
















The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories must be deducted from the above lifting capacities. Lifting capacities are based on the machine standing on a firm, uniform supporting surface.

Always refer to the appropriate Operation and Maintenance Manual for specific product information.

## Lift Capacities – Variable Angle Boom (5850 mm)

All weights are in kg.

329D LN Medium Stick 2650 mm	1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		9.0 m				m	
																
<b>Shoes</b> 600 mm	9.0 m													*2600	*2600	6.35
<b>Bucket Weight</b> 1069 kg	7.5 m						*4700	*4700						*3350	*3350	7.63
<b>Counterweight</b> 5800 kg	6.0 m				*7250	*7250	*7500	6700	*4850	4450				*4500	3500	8.42
<b>Heavy Lift On</b>	4.5 m				*10 500	10 100	*6750	6300	*4900	4250				*4600	2950	8.98
	3.0 m				*8800	*8800	*6400	5800	*5300	4050	5450	2850		*4700	2650	9.31
	1.5 m				*12 400	8550	*7750	5400	*6050	3800	5300	2750		*4900	2550	9.37
	Ground Line			*8700	*8700	*10 450	8150	*9600	5200	7050	3650			5100	2600	9.17
	-1.5 m	*12 250	*12 250	*8100	*8100	*11 000	8200	*9600	5150	7000	3600			*5400	2900	8.69
	-3.0 m	*12 900	*12 900	*12 150	*12 150	*8850	8350	*7050	5200	*5100	3700			*4300	3450	7.87
	-4.5 m			*14 900	*14 900	*9100	8650							*6800	6050	5.65

329D LN Long Stick 3200 mm	1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		9.0 m				m	
																
<b>Shoes</b> 600 mm	10.5 m													*4350	*4350	5.22
<b>Bucket Weight</b> 1048 kg	9.0 m						*3150	*3150						*2800	*2800	7.02
<b>Counterweight</b> 5800 kg	7.5 m						*5850	*5850	*3650	*3650				*3550	*3550	8.18
<b>Heavy Lift On</b>	6.0 m						*6400	*6400	*3700	*3700				*3500	3100	8.91
	4.5 m			*11 600	*11 600	*8450	*8450	*7250	6450	*3650	*3650	*3650	3000	*3500	2650	9.48
	3.0 m			*12 750	*12 750	*9550	9200	*5900	*5900	*4950	4050	*3850	2850	*3550	2400	9.79
	1.5 m			*7700	*7700	*10 600	8350	*7050	5450	*5550	3800	*4150	2750	*3800	2300	9.85
	Ground Line			*5750	*5750	*10 450	8000	*8750	5150	*6400	3600	*4850	2650	*4150	2300	9.66
	-1.5 m	*9300	*9300	*6600	*6600	*12 500	8000	9950	5050	6900	3550			*4750	2550	9.20
	-3.0 m	*12 250	*12 250	*13 000	*13 000	*9450	8150	*8050	5100	*6150	3550			*4350	2950	8.46
	-4.5 m			*14 450	*14 450	*8800	8400	*6100	5250					*5150	4300	6.84



Load Point Height



Load Radius Over Front



Load Radius Over Side



Load at Maximum Reach

\* Indicates that the load is limited by hydraulic lifting capacity rather than tipping load.

















The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories must be deducted from the above lifting capacities. Lifting capacities are based on the machine standing on a firm, uniform supporting surface.















Always refer to the appropriate Operation and Maintenance Manual for specific product information.

# 329D L and 329D LN Specifications

## Lift Capacities – Super Long Reach Boom (10 200 mm)

All weights are in kg.

329D L Long Stick 18 600 mm Shoes 800 mm Bucket Weight 313 kg Counterweight 5400 kg Heavy Lift On	1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		9.0 m				m	
																
12.0 m														*1000	*1000	14.60
10.5 m														*950	*950	15.56
9.0 m														*950	*950	16.32
7.5 m														*950	*950	16.91
6.0 m														*950	*950	17.33
4.5 m														*1000	*1000	17.62
3.0 m												*4100	*4100	*1000	*1000	17.76
1.5 m					*3300	*3300	*7700	6700	*5850	5000	*4750	3850	*1050	*1050	17.77	
Ground Line			*950	*950	*2650	*2650	*6500	5950	*6750	4500	*5400	3550	*1150	1100	17.65	
-1.5 m	*1400	*1400	*1650	*1650	*2900	*2900	*5550	*5550	7250	4150	5600	3250	*1250	1100	17.40	
-3.0 m	*1950	*1950	*2350	*2350	*3450	*3450	*5050	*5050	7000	3950	5400	3100	*1350	1100	17.00	
-4.5 m	*2650	*2650	*3100	*3100	*4100	*4100	*4950	*4950	6900	3850	5300	3000	*1500	1150	16.45	
-6.0 m	*3350	*3350	*3900	*3900	*4100	*4100	*5250	*5250	6850	3800	5250	2950	*1750	1250	15.73	
-7.5 m	*4100	*4100	*4150	*4150	*4150	*4150	*5750	5400	6900	3850	5250	2950	*2050	1450	14.81	
-9.0 m	*4150	*4150	*4100	*4100	*4750	*4750	*6350	5550	7000	3950	5350	3000	*2550	1650	13.66	
-10.5 m			*4300	*4300	*5800	*5800	*7000	5800	*7050	4100	5450	3150	*3400	2050	12.21	
-12.0 m					*6800	*6800	*7400	6100	*6050	4350	*4950	3350	*4050	2800	10.31	
-13.5 m																

329D L Long Stick 18 600 mm Shoes 800 mm Bucket Weight 313 kg Counterweight 5400 kg Heavy Lift On	10.5 m		12.0 m		13.5 m		15.0 m		16.5 m				m	
														
12.0 m												*1000	*1000	14.60
10.5 m							*1550	*1550				*950	*950	15.56
9.0 m							*2100	2000				*950	*950	16.32
7.5 m							*2400	1950	*1450	*1450		*950	*950	16.91
6.0 m					*2550	2400	*2550	1900	*1900	1500		*950	*950	17.33
4.5 m			*2950	2850	*2800	2250	*2700	1800	*2250	1450		*1000	*1000	17.62
3.0 m	*3600	3300	*3300	2650	*3050	2150	*2850	1700	2450	1400		*1000	*1000	17.76
1.5 m	*4100	3050	*3600	2450	*3300	2000	2800	1600	2350	1300		*1050	*1050	17.77
Ground Line	*4550	2800	3850	2300	3200	1850	2700	1550	2300	1250		*1150	1100	17.65
-1.5 m	4500	2650	3700	2150	3100	1750	2650	1450	2250	1200		*1250	1100	17.40
-3.0 m	4350	2500	3600	2050	3000	1700	2550	1400	2200	1150		*1350	1100	17.00
-4.5 m	4250	2400	3500	1950	2950	1650	2550	1350				*1500	1150	16.45
-6.0 m	4200	2350	3450	1900	2950	1600	2550	1350				*1750	1250	15.73
-7.5 m	4200	2350	3500	1950	2950	1600						*2050	1450	14.81
-9.0 m	4250	2400	3550	2000	3050	1700						*2550	1650	13.66
-10.5 m	4400	2550	3650	2100								*3400	2050	12.21
-12.0 m												*4050	2800	10.31
-13.5 m														

 Load Point Height

 Load Radius Over Front

 Load Radius Over Side

 Load at Maximum Reach

\* Indicates that the load is limited by hydraulic lifting capacity rather than tipping load.

The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories must be deducted from the above lifting capacities. Lifting capacities are based on the machine standing on a firm, uniform supporting surface.

Always refer to the appropriate Operation and Maintenance Manual for specific product information.

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

## Electrical

- Alternator – 65 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 (EU countries only)
- Signal/warning horn

## Engine

- Automatic engine speed control
- Caterpillar C7 engine (152 kW/207 hp)
  - Altitude capability to 2300 m
- 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
- ROPS cab
- 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
- Boom lowering control device with SmartBoom (EU countries only)
- Cat branded XT hoses and reusable couplings
- Cat Datalink and capability to use ET
- Cat Product Link (EU countries only)
- 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

# 329D L and 329D LN Optional Equipment

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

## Front Linkage

Bucket linkages

- CB2-family for CB2 sticks (with lifting eye)
- DB-family for DB sticks (with lifting eye)

Buckets and quick coupler (pg. 14)

Booms (with two working lights)

Reach

- 6150 mm
- Mass excavation
- 5550 mm

Sticks

For reach boom

- R2.6CB2
- R3.2CB2

For mass boom

- M2.5DB

Tips

## Shoes

Triple grouser

- 329D L – 600 mm, 800 mm, 900 mm
- Heavy duty – 600 mm, 700 mm
- 329D LN – 600 mm, 800 mm
- Heavy duty – 600 mm, 700 mm

## Guards

FOGS, bolt-on

Full length for L and LN undercarriage  
(two piece)

## Operator Compartment

Joysticks

Four button joystick for 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 24 V to 12 V converter

Seat

Adjustable high-back seat with  
mechanical suspension

Adjustable high-back heated seat  
with air suspension

Straight travel pedal

Visor rain protection

Windshield

1-piece

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

Bio hydraulic oil package

Boom lowering control device with  
SmartBoom (standard for EU countries)

Cab front rain protector

Converters, 7 amp – 12 V (includes two)

Electric refueling pump with auto shut-off

Fine filtration filter

Jump start terminals

Rear view camera with display on monitor  
(standard for EU countries)

Starting aid for cold weather with ether

Stick lowering control device

Travel alarm with cut off switch



# 329D L and 329D LN Hydraulic Excavator

For more complete information on Cat products, dealer services, and industry solutions, visit us on the web at [www.cat.com](http://www.cat.com)

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(EU-ROPS)

