329D/329D L

Hydraulic Excavator

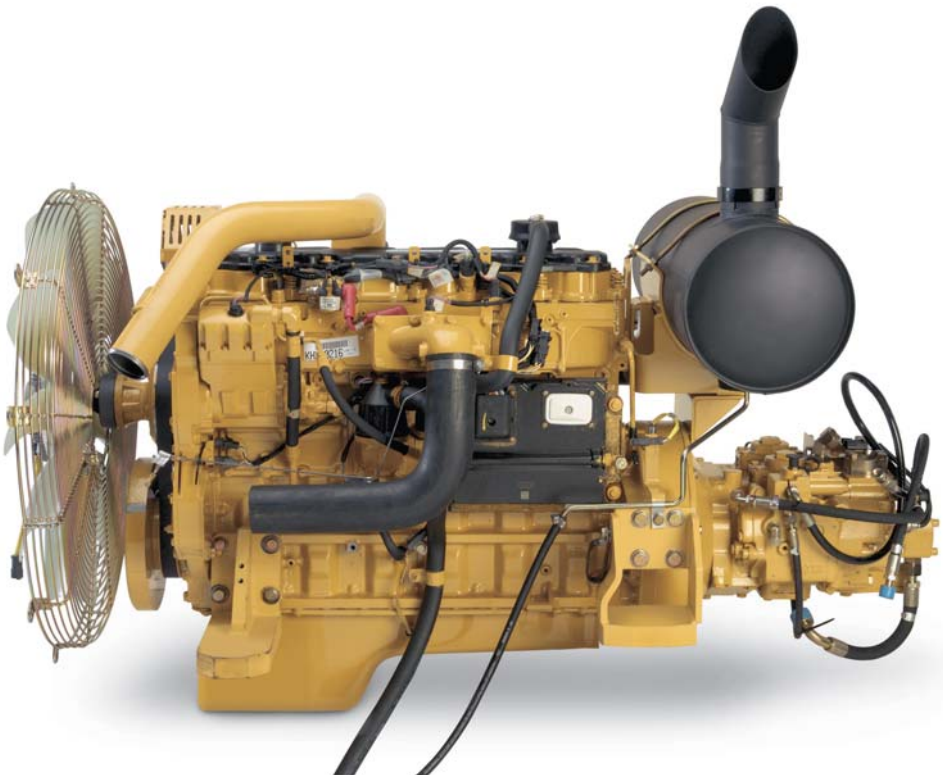
Engine	
Engine Model	Cat® C7 with ACERT™ Technology
Net Flywheel Power	152 kW (204 hp)

Weights	
Operating Weight – Standard Undercarriage	27 220 kg
Operating Weight – Long Undercarriage	29 560 kg

The D Series incorporates many innovations for improved performance and versatility.

Contents


CAT
CAT
329D L



Fuel Delivery

The Cat C7 features electronic controls that govern the fuel injection system. Precisely shaping the combustion cycle lowers chamber temperatures, generating fewer emissions and optimizing fuel combustion. This translates into more work output for your fuel cost.

High-Power Mode

High-power mode is recommended for extremely productive and hard digging applications. The standard power mode is recommended for lighter duty applications and optimizes fuel efficiency.

Engine

Exceptional power and fuel efficiency for consistently high performance.

Cat C7

The Cat C7 with ACERT Technology optimizes engine performance while meeting engine emission regulations for off-road applications. By combining ACERT Technology with the economy mode, customers can balance the demands of performance and fuel economy to suit their requirements and application.

Automatic Engine Speed Control

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

ADEM™ A4 Engine Controller

The ADEM A4 electronic control module manages fuel delivery to get the best performance per liter of fuel used.
The engine management system 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.

Cooling System

The cooling fan is directly driven from the engine for optimum efficiency.
An electrically controlled viscous clutch fan is available as an attachment to reduce fan noise.

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.

Hydraulics

Power and precise control to keep material moving quickly and efficiently.

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 that 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, which reduces engine compartment heat and sound being transmitted to the operator.

Pilot System

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

Hydraulic Cross-Sensing System

The hydraulic cross-sensing system utilizes each of two hydraulic pumps to 100 percent of engine power under all operating conditions. This improves productivity with faster implement speeds and quicker, stronger pivot turns.

Boom and Stick Regeneration Circuit

The 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.

Auxiliary Hydraulic Valve

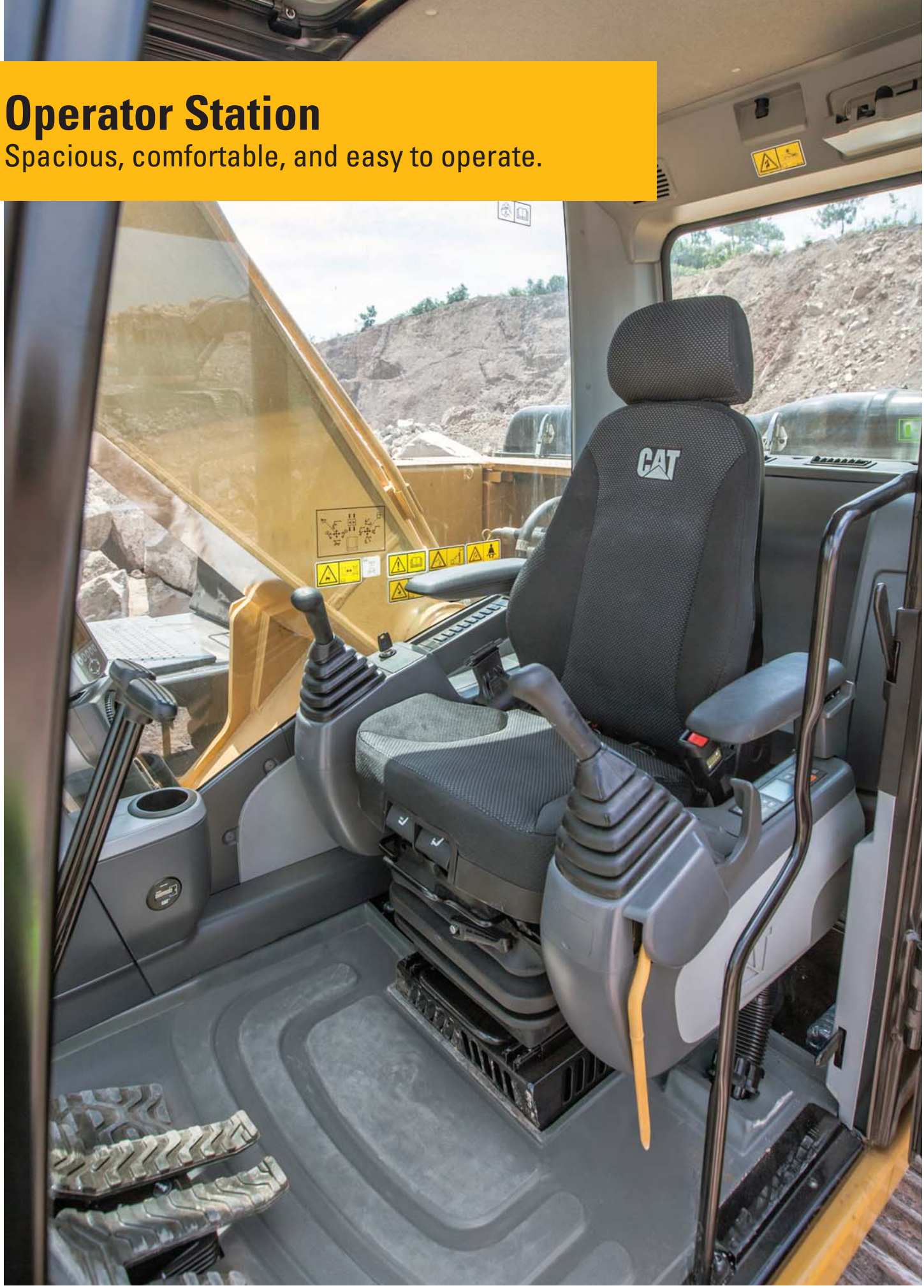
The auxiliary valve is standard on the 329D. Control circuits are available as attachments, allowing for operation of high- and medium-pressure tools such as shears, grapples, hammers, pulverizers, multi processors, and vibratory plate compactors.

Hydraulic Cylinder Snubbers

Snubbers are 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.

Operator Station

Spacious, comfortable, and easy to operate.



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 mounted in front of the right front cab post and is easy to see.

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

The monitor is a full color Liquid Crystal Display (LCD) display. The monitor angle can be adjusted to minimize sun glare and has the capability of displaying information in 27 different languages.

Console

Redesigned consoles feature a simple, functional design to reduce operator fatigue. Both consoles have attached armrests with height adjustments.

Joystick Control

Joystick controls have low lever effort and are designed to match the operator's natural wrist and arm position. The operator can operate joystick controls with an arm on the armrest, and the horizontal and vertical strokes have been designed to reduce operator fatigue.

Seat

A new 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 left console.

ROPS Certified Operator Station

The 329D L features a new ROPS (Roll Over Protective Structure) compliant cab structure as standard. This design also allows for a Falling Object Guard System (FOGS) or front windshield guard to be bolted directly to the cab, either at the factory or in the field, enabling the machine to meet all job site requirements. Following are some other highlights:

- Eleven percent more glass versus previous non-ROPS cab to improve visibility
- Three percent more interior head room space
- Improved cab pressurization
- Viscous rubber cab mounts to dampen vibrations to enhance operator comfort
- ROPS cab air filter accessible at ground level for easier serviceability

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.

Windows

To enhance visibility, all glass is affixed directly to the cab, eliminating window frames. The upper front windshield opens, closes, and stores on the roof above the operator with a one-touch action release system.

Wipers

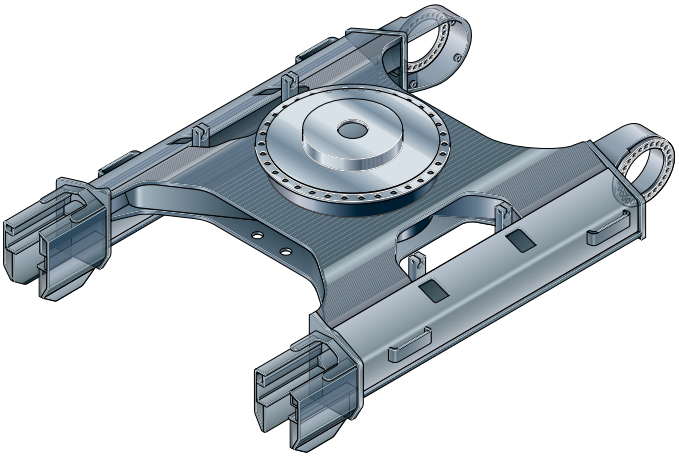
Pillar-mounted wipers increase the operator's viewing area and offer continuous and intermittent modes.

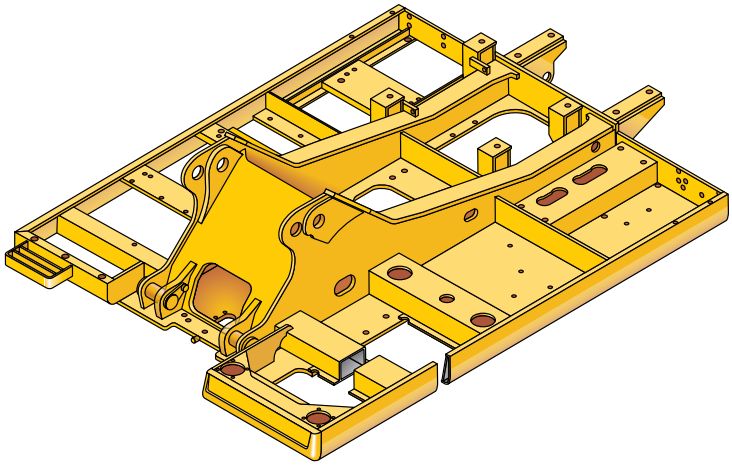
Skylight

An enlarged skylight with sunshade provides excellent visibility and excellent ventilation.

Product Link™

Product Link is now an attachment available from the factory.





Structures

The backbone of machine durability.

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 torsion bending. Robot-welded track roller frames are press-formed pentagonal units to deliver exceptional strength and service life.

Main Frame

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

Undercarriage

Durable Cat undercarriage absorbs stresses and provides excellent stability.

Rollers and Idlers

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

Standard Undercarriage

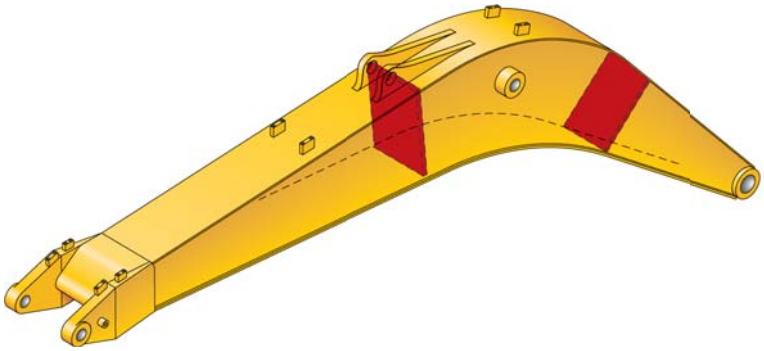
The standard undercarriage is well suited for applications that require frequent repositioning of the machine, have restricted working space, or uneven, rocky terrain.

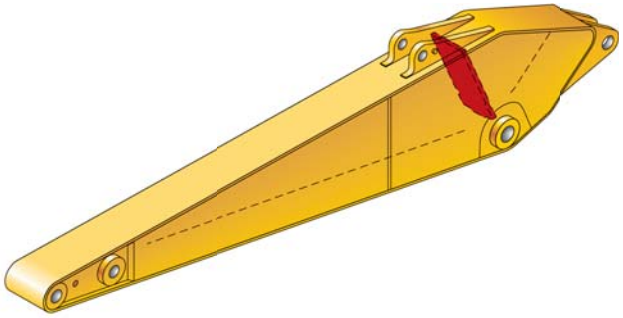
Long Undercarriage

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

Booms and Sticks

Designed-in flexibility to deliver higher production and efficiency to every job.





Configurations

Designed for maximum flexibility, productivity, and high efficiency on all jobs, the 329D offers a wide range of configurations suitable for a variety of applications.

Booms

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

Sticks

The sticks are made of high-tensile-strength steel using a large box-section design with interior baffle plates and an additional bottom guard.

Reach Boom

The reach boom features an optimum design that maximizes digging envelopes with two stick choices:

- **R3.2CB Stick** – The CB-family buckets associated with these sticks have enough capacity for excellent trenching and general construction applications.
- **R2.65CB Stick** – This stick is suited to high-capacity buckets used in trenching, excavation, and other general construction work. It has been designed with enough reach to match a large-capacity bucket and high digging force.

Heavy-Duty Reach Boom

Heavy-duty reach boom provides additional strength recommended for tough applications.

- **R2.65CB and R3.2CB Heavy-Duty Sticks** – The heavy-duty sticks are reinforced versions of the standard R2.65CB and 3.2CB sticks for use with the heavy-duty reach boom.

Mass Excavation Boom

The mass excavation boom maximizes productivity. The mass version offers significantly higher digging forces and allows use of larger buckets.

- **M2.5DB Stick** – The DB stick uses a D-family bucket and is designed for high-volume earth moving, powerful digging force, and a large capacity bucket. Combined with a mass boom, this stick delivers outstanding productivity.

Linkage Pins

The bucket linkage pins have been enlarged to improve reliability and durability. All the pins in the front linkages have thick chrome plating, giving them high wear and corrosion resistance.

Bucket Linkage

The power link improves durability and increases machine lifting capability in key lifting positions.

Work Tools – Attachments

An extensive selection to optimize machine performance.

Service Life

Cat buckets increase service life and reduce repair costs.

- Dual radius design for increased heel clearance and reduced wear
- Robot welding of hinge assembly for increased weld penetration and longer life
- New aggressive and easier-to-install K Series™ GET system
- High-strength and heat-treated steel that exceeds T-1 in high wear areas

Excavation Buckets (X)

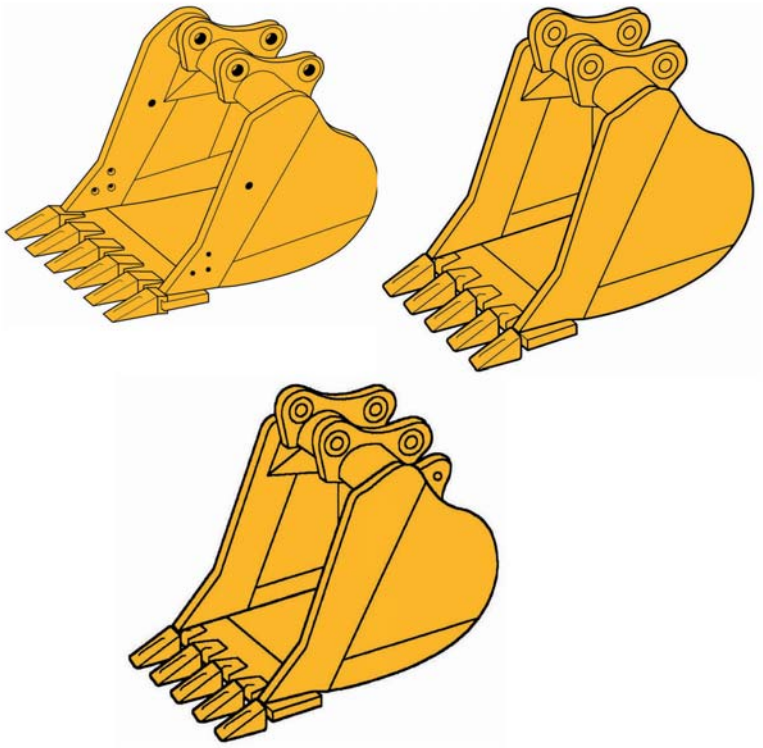
X buckets for digging in low-impact, moderately abrasive materials such as dirt, loam, gravel and clay.

Heavy-Duty Buckets

HD buckets are used for a wide range of moderately abrasive applications such as mixed dirt, clay, and rock. HD buckets have best loading and dumping characteristics and will empty easier in cohesive material.

Heavy-Duty Power (HDP) Buckets

HDP buckets are best for moderately abrasive applications where breakout force and cycle times are critical. They maximize tip force and improve cycle times in most materials. The cutting edge and GET are sized up for the tougher work. Not for use in sticky material conditions.



Heavy-Duty (HD) Rock Buckets

HD rock buckets are best for aggressive loading in highly abrasive applications such as shot rock and granite. Features include:

- Thicker wear plates to extend the life of bucket in severe applications
- Side wear plates extend further up the side of the bucket for maximum protection in rocky soils
- Buckets accept sidebar protectors for better protection or side cutters for best fill characteristics and bucket wear protection

Cat Ground Engaging Tools (GET)

Cat K Series GET is featured on the new buckets. This new GET system uses a vertical retainer that is easier to remove and install than the Cat J Series pin. The new tooth shapes are more aggressive and offer better penetration than the previous generation of tips. There are also a variety of side cutters and sidebar protectors to match operating conditions.

Tool Control System

The tool control system maximizes work tool productivity by configuring hydraulic flow, pressure, and operator controls to match a specific work tool. System versatility enables a wide range of tools to be used.

Hammer

Cat hydraulic hammers are precisely matched to Cat machines for optimum performance in a wide variety of demolition and construction applications.

Thumb

Cat thumbs multiply the capacities of your excavator. This highly versatile tool works in conjunction with the bucket to transform an excavator into a versatile material-handling machine.

Multi Processor

Multi processors do the work of many types of demolition tools by use of interchangeable jaw sets. Changing jaws allows a single unit to crush, pulverize, and perform a variety of specialized cutting tasks such as cutting steel rebar and tanks.

Vibratory Plate Compactor

Cat vibratory plate compactors provide superior compaction force in a reliable, low-maintenance package. These units produce high-power impulses at a rate of 2,200 impacts per minute. The forces generated by this vibration drive soil particles close together for solid, stable compactions. Whether in a trench or on a slope, driving sheeting or posts, Cat compactors are the superior choice for any job site's compaction tasks.

360° Scrap Shear

Cat scrap shears feature 360° rotation and high force-to-weight ratio. Used for demolishing steel structures and preparing bulk scrap for further processing.

Pin-Grabber Quick Coupler

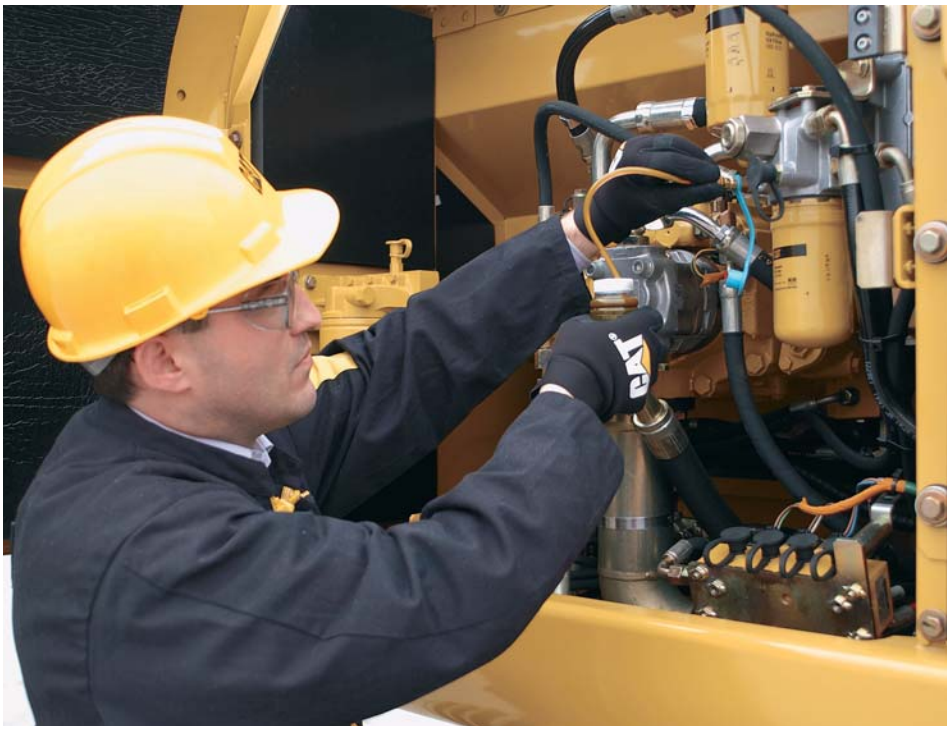
Pin-Grabber Plus quick couplers multiply the versatility and utility of Cat excavators by allowing them to pick up and use virtually any work tool equipped with standard pins.

Dedicated Quick Coupler

Quick couplers increase the versatility of Cat excavators, allowing the ease of changing work tools to meet job requirements at hand in a matter of minutes or seconds. Dedicated quick coupler buckets have no loss of tip radius and develop maximum breakout force.

Service and Maintenance

Simplified service and maintenance to save you time and money.



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.

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.

Pump Compartment

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

Radiator Compartment

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

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.

Greasing Points

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

Fan Guard

The engine radiator fan is completely enclosed by fine wire mesh, reducing the risk of an accident.

Anti-Skid Plate

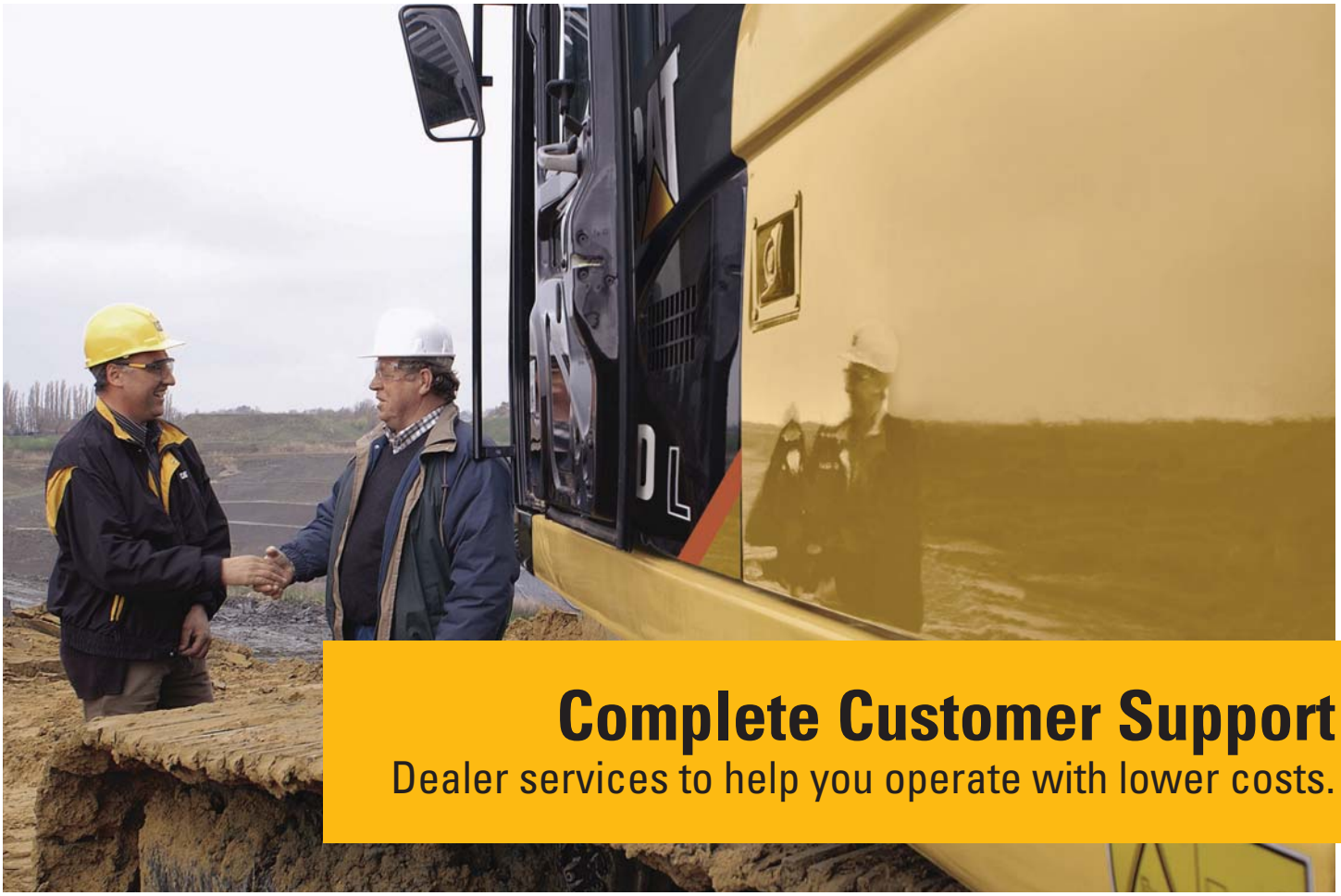
Anti-skid plate covers the top of storage box and upper structure to prevent slipping during maintenance.

Diagnostics and Monitoring

The 329D is equipped with S·O·S℠ sampling ports and hydraulic test ports for the hydraulic system, engine oil, and for coolant. A test connection for the Cat Electronic Technician (Cat ET) service tool is located in the cab.

Extended Service Interval

329D service and maintenance intervals have been extended to reduce machine service time and increase machine availability.



Complete Customer Support

Dealer services to help you operate with lower costs.

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 also save money with remanufactured components.

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

Look past initial price. 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 that 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.

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.

SAFETY.CAT.COM™

329D/329D L Hydraulic Excavator Specifications

Engine

Engine Model	Cat C7 with ACERT Technology
Net Flywheel Power	152 kW (204 hp)
Net Power – ISO 9249	152 kW (204 hp)
Bore	110 mm
Stroke	127 mm
Displacement	7.2 L

- Net power advertised is the power available at the flywheel when the engine is equipped with fan, air cleaner, muffler and alternator.
- No engine derating needed up to 2300 m.

Weights

Operating Weight – Standard Undercarriage	27 220 kg
Operating Weight – Long Undercarriage	29 560 kg

- Standard Undercarriage – reach boom, R3.2CB2 stick, 1.1 m^3 bucket, 600 mm shoes.
- Long Undercarriage – reach boom, R3.2CB2 stick, 1.1 m^3 bucket, 800 mm shoes.

Track

Standard with Standard Undercarriage	600 mm
Standard with Long Undercarriage	800 mm
Optional	600 mm
Optional	700 mm
Optional	800 mm

Swing Mechanism

Swing Speed	10.2 rpm
Swing Torque	82.2 kN·m

Drive

Maximum Drawbar Pull	249 kN
Maximum Travel Speed	5.3 km/h

Hydraulic System

Main Implement System – Maximum Flow (2×)	235 L/min
Maximum Pressure – Equipment	35 000 kPa
Maximum Pressure – Travel	35 000 kPa
Maximum Pressure – Swing	27 500 kPa
Pilot System – Maximum Flow	32.4 L/min
Pilot System – Maximum Pressure	3900 kPa
Boom Cylinder – Bore	140 mm
Boom Cylinder – Stroke	1407 mm
Stick Cylinder – Bore	150 mm
Stick Cylinder – Stroke	1646 mm
CB1 Family Bucket Cylinder – Bore	135 mm
CB1 Family Bucket Cylinder – Stroke	1156 mm
DB Family Bucket Cylinder – Bore	150 mm
DB Family Bucket Cylinder – Stroke	1156 mm

Service Refill Capacities

Fuel Tank Capacity	520 L
Cooling System	30 L
Engine Oil	30 L
Swing Drive	10 L
Final Drive (each)	6 L
Hydraulic System (including tank)	310 L
Hydraulic Tank	145 L

Sound Performance

Performance	ANSI/SAE

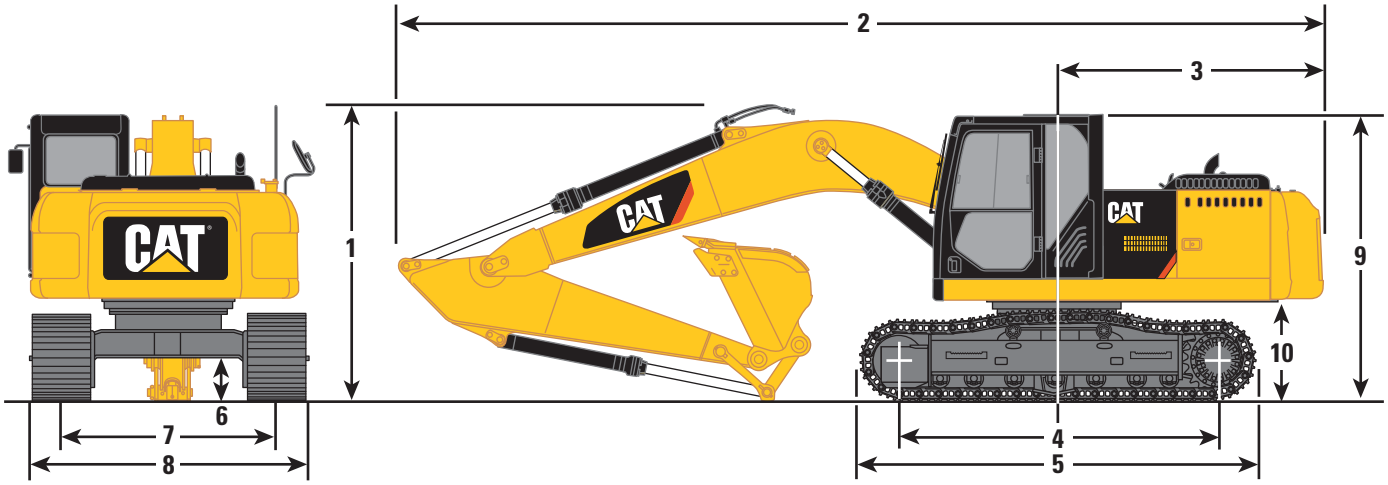
- When properly installed and maintained, the cab offered by Caterpillar, when tested with doors and windows closed according to ANSI/SAE J1166 OCT98, meets OSHA and MSHA requirements for operator sound exposure limits in effect at time of manufacture.
- Hearing protection may be needed when operating with an open operator station and cab (when not properly maintained or doors/windows open) for extended periods or in noisy environment.

Standards

Brakes	SAE J1026 APR90
Cab/FOGS	SAE J1356 FEB88 ISO 10262
Cab/ROPS	ISO 12117-2:2008

Dimensions

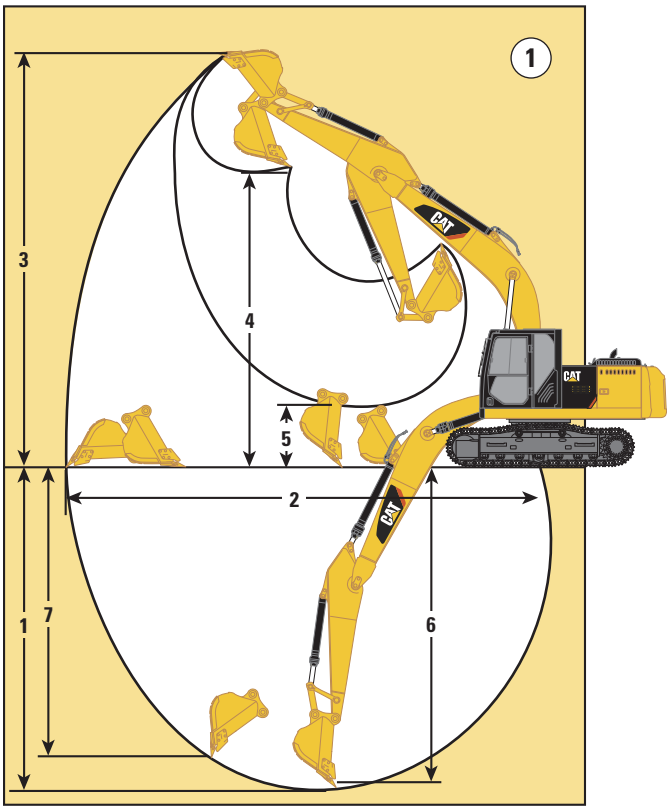
All dimensions are approximate.

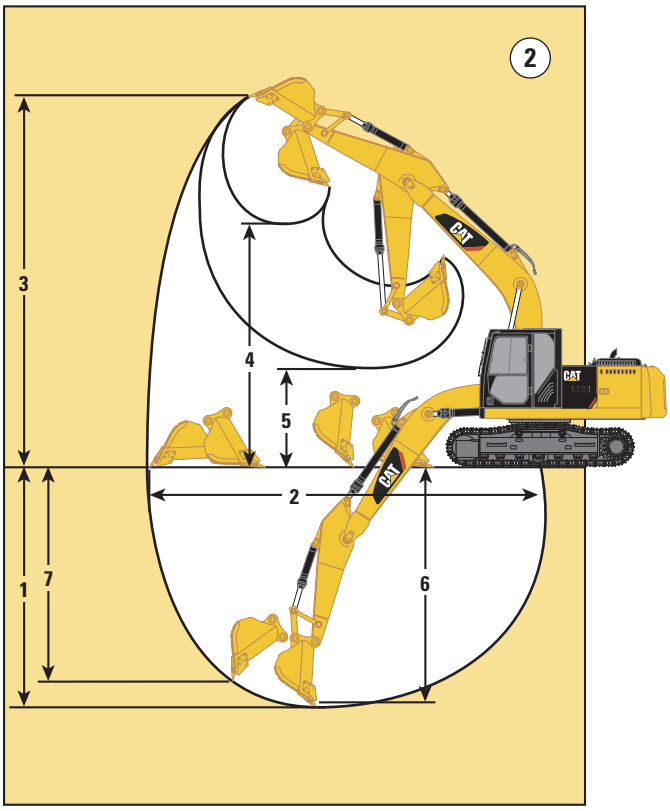


Boom Options	Reach Boom – 6.15 m		Mass Boom – 5.55 m
Stick Options	**R3.2CB2**	**R2.65CB2**	**M2.5DB**
1 Shipping Height**	3180 mm	3190 mm	3250 mm
2 Shipping Length	10 410 mm	10 420 mm	9860 mm
3 Tail Swing Radius	3080 mm	3080 mm	3080 mm
Undercarriage	**Fixed Gauge**		**Long Fixed Gauge**
4 Length to Centers of Rollers	3490 mm		3990 mm
5 Track Length	4360 mm		4860 mm
6 Ground Clearance***	490 mm		490 mm
7 Track Gauge	2390 mm		2590 mm
8 Shipping Width*	2990 mm		3190 mm
9 Cab Height**	3040 mm		3040 mm
10 Counterweight Clearance***	1110 mm		1110 mm

*Track width shown is for 600 mm track shoes.
**Includes 30 mm shoe lug height.
***Without 30 mm shoe lug height.

Working Ranges





Boom Options	1 Reach Boom – 6.15 m		2 Mass Boom – 5.55 m
Stick Options	**R3.2CB2**	**R2.65CB2**	**M2.5DB**
1 Maximum Digging Depth	7170 mm	6620 mm	6010 mm
2 Maximum Reach at Ground Level	10 600 mm	10 130 mm	9340 mm
3 Maximum Cutting Height	9990 mm	9880 mm	9150 mm
4 Maximum Loading Height	7020 mm	6870 mm	6090 mm
5 Minimum Loading Height	2370 mm	2920 mm	2560 mm
6 Maximum Depth Cut for 2440 mm Level Bottom	7010 mm	6440 mm	5810 mm
7 Maximum Vertical Wall Digging Depth	6510 mm	5980 mm	4710 mm
Bucket Digging Force (ISO)	188 kN	188 kN	222 kN
Bucket Digging Force (SAE)	166 kN	166 kN	198 kN
Stick Digging Force (ISO)	128 kN	147 kN	155 kN
Stick Digging Force (SAE)	124 kN	142 kN	150 kN

Major Component Weights

	kg
Base Machine with Counterweight and 600 mm Shoes (without front linkage)	21 940
Two Boom Cylinders	548
Counterweight	
Standard Machine	5410
Boom (includes lines, pins and stick cylinder)	
Reach Boom	2299
Mass Boom	2374
Stick (includes lines, pins, bucket cylinder and linkage)	
R3.2CB2	1392
R2.65CB2	1299
M2.5DB	1455
Track Roller Frame (includes frame, rollers, idlers, steps, guards, final drive, 600 mm shoes) – each	9440

329D/329D L Hydraulic Excavator Specifications

329D Bucket Specifications and Compatibility

	Capacity*	Width	Tip Radius	Weight (without tips)	Teeth	Total Weight	Reach Stick		Mass Stick
	m^3	mm	mm	kg	Qty	kg	R3.2CB2	R2.65CB2	M2.5DB
CB2 Buckets									
Excavation	1.1	1320	1555	857	5	857	●	●	—
	1.2	1420	1555	896	5	896	●	●	—
Heavy Duty	1.3	1390	1578	1033	6	1033	◒	●	—
Mass Excavation	1.5	1600	1578	1035	6	1035	◒	●	—
DB Buckets									
Excavation	1.4	1470	1660	1101	5	1101	—	—	●
	1.5	1560	1660	1144	5	1144	—	—	●
Mass Excavation	1.6	1540	1660	1191	6	1191	—	—	◒

329D L Bucket Specifications and Compatibility

	Capacity*	Width	Tip Radius	Weight (without tips)	Teeth	Total Weight	Reach Stick		Mass Stick
	m^3	mm	mm	kg	Qty	kg	R3.2CB2	R2.65CB2	M2.5DB
CB2 Buckets									
Excavation	1.1	1320	1555	857	5	857	●	●	—
	1.2	1420	1555	896	5	896	●	●	—
Heavy Duty	1.3	1390	1578	1033	6	1033	●	●	—
Mass Excavation	1.5	1600	1578	1035	6	1035	●	●	—
DB Buckets									
Excavation	1.4	1470	1660	1101	5	1101	—	—	●
	1.5	1560	1660	1144	5	1144	—	—	●
Mass Excavation	1.6	1540	1660	1191	6	1191	—	—	●

Assumptions for maximum material density rating:

1. Front linkage fully extended at ground line
2. Bucket curled
3. 100% bucket fill factor

*Based on SAE J296, some calculations of capacity specifications fall on borderlines. Rounding may allow two buckets to have the same English rating, but different metric ratings.

● 2100 kg/m^3 maximum material density
◒ 1800 kg/m^3 maximum material density
— Not Available

329D/329D L Work Tool Matching Guide

Boom Options	Reach Boom – 6.15 m		Mass Boom – 5.55 m
Stick Options	**R3.2CB2**	**R2.65CB2**	**M2.5DB**
Hydraulic Hammer	H120Cs/ H130Cs/ H140Cs	H120Cs/ H130Cs/ H140Cs	H120Cs/ H130Cs/ H140Cs
Vibratory Plate Compactor	CVP110	CVP110	CVP110
Multi Processor	MP15/MP20	MP15/MP20	N/A
360° Scrap Shear	S320	S320/S325	N/A
Trash Grapple	3.1 m^3	3.1 m^3	4.6 m^3
Contractors' Grapple	Yes	Yes	N/A
Hydraulic Thumb	Yes	Yes	N/A
Dedicated Quick Coupler	Yes	Yes	Yes
Pin-Grabber Quick Coupler	Yes	Yes	Yes

329D/329D L Hydraulic Excavator Specifications

Reach Boom Lift Capacities

 Load Point Height

 Load Radius Over Front

 Load Radius Over Side

 Load at Maximum Reach

R2.65CB2 Stick – 2.65 m
Bucket – 1.5 m³

Undercarriage – Standard
Shoes – 600 mm triple grouser

Boom – 6.15 m
Counterweight – 5.8 mt

		1.5 m		3.0 m		4.5 m		6.0 m		7.5 m				
														m
9.0 m	kg											*4450	*4450	6.51
7.5 m	kg											*4400	*4400	7.35
6.0 m	kg									6350	4300	*4450	3550	8.23
4.5 m	kg					*10 050	9900	*7850	6150	6200	4150	*4400	3000	8.86
3.0 m	kg							8650	5750	5950	3950	4150	2700	9.18
1.5 m	kg							8250	5400	5750	3800	4050	2600	9.23
Ground Line	kg							8050	5200	5650	3650	4150	2650	9.02
–1.5 m	kg					13 150	8250	8000	5150	5600	3600	4600	2950	8.52
–3.0 m	kg			*14 050	*14 050	13 300	8400	8100	5250			5450	3550	7.69
–4.5 m	kg					*10 400	8650	*7750	5450			*6850	5000	6.38

R3.2CB2 Stick – 3.2 m
Bucket – 1.5 m³

Undercarriage – Long
Shoes – 600 mm triple grouser

Boom – 6.15 m
Counterweight – 5.8 mt

		1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		9.0 m				
																m
7.5 m	kg									*4550	*4550			*3450	*3450	7.89
6.0 m	kg									*5700	4950			*3350	*3350	8.76
4.5 m	kg							*7100	7050	*6300	4750	*4850	3350	*3300	3050	9.35
3.0 m	kg					*12 300	10 450	*8700	6600	*7100	4550	5450	3250	*3400	2800	9.65
1.5 m	kg					*11 500	9650	*10 200	6200	7250	4300	5300	3150	*3650	2700	9.70
Ground Line	kg					*12 300	9350	10 200	5950	7050	4150	5200	3050	*4050	2750	9.50
–1.5 m	kg			*6400	*6400	*15 400	9350	10 050	5850	6950	4100			*4700	3000	9.03
–3.0 m	kg			*12 950	*12 950	*14 150	9450	10 100	5850	7000	4100			*5800	3550	8.25
–4.5 m	kg			*15 250	*15 250	*11 750	9650	*8900	6050					*6850	4700	7.06

R3.2CB2 Stick – 3.2 m
Bucket – 1.5 m³

Undercarriage – Long
Shoes – 700 mm triple grouser

Boom – 6.15 m
Counterweight – 5.8 mt

		1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		9.0 m				
																m
7.5 m	kg									*4550	*4550			*3450	*3450	7.89
6.0 m	kg									*5700	5000			*3350	*3350	8.76
4.5 m	kg							*7100	*7100	*6300	4800	*4850	3400	*3300	3100	9.35
3.0 m	kg					*12 300	10 550	*8700	6700	*7100	4600	5500	3300	*3400	2850	9.65
1.5 m	kg					*11 500	9750	*10 200	6300	7300	4400	5400	3150	*3650	2750	9.70
Ground Line	kg					*12 300	9450	10 300	6000	7150	4200	5300	3100	*4050	2800	9.50
–1.5 m	kg			*6400	*6400	*15 400	9450	10 200	5900	7050	4150			*4700	3050	9.03
–3.0 m	kg			*12 950	*12 950	*14 150	9550	10 250	5950	7100	4150			*5800	3600	8.25
–4.5 m	kg			*15 250	*15 250	*11 750	9800	*8900	6100					*6850	4750	7.06

*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.

Reach Boom Lift Capacities

 Load Point Height

 Load Radius Over Front

 Load Radius Over Side

 Load at Maximum Reach

R3.2CB2 Stick – 3.2 m
Bucket – 1.5 m^3
Undercarriage – Long
Shoes – 800 mm triple grouser
Boom – 6.15 m
Counterweight – 5.8 mt

		1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		9.0 m				
																m
7.5 m	kg									*4550	*4550			*3450	*3450	7.89
6.0 m	kg									*5700	5100			*3350	*3350	8.76
4.5 m	kg							*7100	*7100	*6300	4950	*4850	3450	*3300	3200	9.35
3.0 m	kg					*12 300	10 750	*8700	6850	*7100	4700	5650	3350	*3400	2950	9.65
1.5 m	kg					*11 500	9950	*10 200	6400	7500	4500	5500	3250	*3650	2850	9.70
Ground Line	kg					*12 300	9700	10 550	6150	7300	4300	5400	3150	*4050	2900	9.50
–1.5 m	kg			*6400	*6400	*15 400	9650	10 450	6050	7250	4250			*4700	3150	9.03
–3.0 m	kg			*12 950	*12 950	*14 150	9750	10 450	6100	7250	4250			*5800	3700	8.25
–4.5 m	kg			*15 250	*15 250	*11 750	10 000	*8900	6250					*6850	4900	7.06

*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.

Mass Boom Lift Capacities

 Load Point Height

 Load Radius Over Front

 Load Radius Over Side

 Load at Maximum Reach

M2.5DB Stick – 2.5 m
Bucket – 1.6 m^3
Undercarriage – Long
Shoes – 600 mm triple grouser
Boom – 5.55 m
Counterweight – 5.8 mt

		1.5 m		3.0 m		4.5 m		6.0 m		7.5 m				
														m
7.5 m	kg											*5100	*5100	6.29
6.0 m	kg							*7050	*7050			*5100	4900	7.26
4.5 m	kg							*7950	6800	*7150	4500	*5100	4000	7.98
3.0 m	kg					*13 000	10 250	*9300	6450	7300	4350	*5300	3550	8.34
1.5 m	kg							10 350	6050	7100	4150	*5750	3400	8.39
Ground Line	kg					*15 600	9350	10 100	5850	6950	4050	6050	3500	8.16
–1.5 m	kg			*11 000	*11 000	*14 700	9350	10 050	5800			6800	3950	7.60
–3.0 m	kg			*16 000	*16 000	*12 500	9550	*9350	5900			*7850	5000	6.66
–4.5 m	kg													

*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/329D L Standard Equipment

Standard Equipment

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

UPPER STRUCTURE

- Electrical
  - Alternator, 80A
  - Light, storage box mounted (one)
  - Signaling/warning horn
- Engine
  - Cat C7 with ACERT Technology
  - 2300 m altitude capability with no deration
  - Air intake heater
  - Automatic engine speed control
  - Radial seal air filter
  - Water separator in fuel line
  - Waved fin radiator with space for cleaning
  - 2 micron fuel filter
- Automatic swing parking brake
- Boom drift reducing valve
- Boom lowering device for back-up
- Cat one key security system
- Counterweight 5.8 mt
- Door locks and cap locks
- Mirrors, rearview (frame-right, cab-left)
- Regeneration circuit for boom and stick
- Reverse swing damping valve
- Stick drift reducing valve
- Two speed travel

OPERATOR STATION

- Cab
  - Adjustable armrest
  - Ashtray with lighter
  - Beverage holder
  - Bi-Level air conditioner (automatic) with defroster
  - Bolt-on FOGS capability
  - Capability of installing two additional pedals
  - Coat hook
  - Front windshield glass split 70/30
  - Interior lighting
  - Literature holder
  - Mounting for two stereo speakers (two locations)
  - Neutral lever (lock out) for all controls
  - Openable front windshield with assist device
  - Openable skylight
  - Pillar mounted upper windshield wiper and washer
  - Pressurized cab (positive filtered ventilation)
  - Radio mounting (DIN size)
  - Rear window, emergency exit
  - Removable lower windshield with in-cab storage bracket
  - ROPS cab
  - Seat with integrated, adjustable console
  - Seat belt, retractable (50.8 mm width)
  - Sliding upper door window
  - Storage compartment suitable for lunch box
  - Travel control pedals with removable hand levers
  - Utility space for magazine
  - Washable floor mat
- Monitor
  - Economy mode
  - Full time clock
  - Language display – full color and graphical display
  - Machine condition, error code and tool mode setting
  - Start-up level check for hydraulic oil, engine oil and coolant
  - Warning information, filter/fluid change information and working hour

UNDERCARRIAGE

- Grease lubricated GLT2, resin seal
- Idler and center section track guiding
- 800 mm triple grouser track shoes (329D L)
- 600 mm triple grouser track shoes (329D)

Optional Equipment

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

FRONT LINKAGE

- Bucket linkage, CB2-family with lifting eye
- Bucket linkage, DB-family with lifting eye
- Heavy-duty 6.15 m reach boom (with left and right side light)
- Heavy-duty 2.65 m stick for heavy-duty reach boom
- Reach boom 6.15 m with left and right side light
  - R3.2CB 3200 mm stick
  - R3.0CB 3000 mm stick
  - R2.65CB 2650 mm stick
- Mass boom 5.55 m with left and right side light
  - M3.2CB 3200 mm stick
  - M2.5DB 2500 mm stick

TRACK

- Standard undercarriage
  - 700 mm triple grouser shoes
  - 800 mm triple grouser shoes
- Long undercarriage
  - 600 mm triple grouser shoes
  - 700 mm triple grouser shoes

GUARDS

- FOGS, bolt-on
- Guard, cab front
- Guard, cab top
- Guard, full length for long and long narrow undercarriage (two piece)
- Guard, heavy-duty bottom, 4 mm, without swivel guard and travel motor protection
- Guard, track end guide for long, long narrow undercarriage
- Guard, track end guide for standard undercarriage
- Guard, vandalism
- Heavy-duty swivel protection, 16 mm, swivel guard only
- Heavy-duty travel motor protection
- Net for front guard (full net, one piece)
- Net for front guard (half net, one piece)
- Swivel protection, 6 mm, swivel guard only

AUXILIARY HYDRAULICS AND LINES

- Additional circuit
  - Hammer return filter circuit
- Boom and stick lines
  - Cat quick coupler line (high and medium pressure capable)
  - Drain line
  - High pressure line
  - Medium pressure line
- Quick coupler
  - Quick coupler for high pressure
- Tool control system
  - Configuration 1 (hammer 1), foot pedal operated 1P, one-way circuit
  - Configuration 2 (common), foot pedals operated 1/2P, common circuit
  - Configuration 3 (hammer 2), foot pedal operated 2P, one-way circuit

OPERATOR STATION

- Tempered glass windows
- Polycarbonate windows
- Power supply, 12V-7A (1)
- Power supply, 12V-7A (2)
- Rear window emergency exit
- Seat, high-back air suspension
- Seat, high-back air suspension with heater
- Seat, high-back mechanical suspension
- Sunscreen
- Windshield wiper, lower with washer
- Working lights, cab mounted
- Rain protector for front windshield
- Sun visor
- AM/FM radio
- Control pattern quick-changer, two way
- Control pattern quick-changer, four way
- Cat MSS (anti-theft device)
- Lunch box with cover
- Water level indicator for water separator

OTHER OPTIONAL EQUIPMENT

- Additional gear train for auxiliary pump
- Air pre-filter
- Cooling package, high ambient with VSF
- Cooling package, semi-high ambient
- Electric refueling pump with auto shut off
- Starting kit, cold weather, –32° C
- Travel alarm

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

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