349E L

Hydraulic Excavator

Engine		
Engine Model	Cat® C13 ACERT™	
Net Power – ISO 14396	317 kW	425 hp
Net Power – SAE J1349	301 kW	404 hp

Drive		
Maximum Travel Speed	4.7 km/h	2.9 mph
Maximum Drawbar Pull	335 kN	75,300 lbf
Weight		
Minimum Weight	47 800 kg	105,400 lb
Maximum Weight	53 300 kg	117,500 lb

Introduction

Since its introduction in the 1990s, the 300 Series family of excavators has become the industry standard in general, quarry, and heavy construction applications. The all-new E Series and the 349E will continue that trend-setting standard.

The 349E meets today's U.S. emissions standards. It is also built with several new fuel-saving and comfort-enabling features and benefits that will delight owners and operators.

If you are looking for more productivity and comfort, less fuel consumption and emissions, and easier and more sensible serviceability, you will find it in the all-new 349E and the E Series family of excavators.

Contents

Hydraulics

Power to move more dirt, rock, and debris with speed and precision

Hydraulic Horsepower

Hydraulic horsepower is the actual machine power available to do work through implements and work tools. It's much more than just the engine power under the hood – it's a core strength that differentiates Cat® machines from other brands.

Main Control Valve and Auxiliary Valves

The 349E uses a high-pressure system to tackle the toughest of work in short order. The 349E uses a redesigned side-by-side main control valve, which allows for auxiliary hydraulic lines and valve configurations to be simplified for greater reliability.

Return Filter

The return filter is a capsule-type design with a cartridge inside. Unlike many competitors' offerings, the Cat cartridge features a handle to help remove and change oil without spillage or contamination. A sensor attached to the filter warns the operator if it is full or exceeds a certain pressure level.

Swing Priority Circuit

The swing priority circuit on the 349E uses a new electric valve that's operated by the machine's improved Electronic Control Module (ECM). Compared to using a hydraulic valve, an electric valve allows for more finely tuned control, which is critical during material loading.

Electric Boom Regeneration Valve

A new electric boom regeneration valve minimizes pump flow when the boom lowers down, which improves fuel economy. It is optimized for any dial speed setting being used by the operator, which in turn aids controllability and enhances component durability.

Stick Regeneration Circuit

The 349E regenerates the flow of oil from the rod end of the stick cylinder to the head end of the stick cylinder during low-load, stick-in operation – an approach that saves energy and expense.

Operator Station

Comfort and convenience to keep people productive

Seats

A new seat range includes mechanical, air suspension, heated, and air cooled options. Each option includes a reclining back, upper and lower seat slide adjustments, and height and tilt angle adjustments to meet operator needs for comfort and productivity.

Controls

The right and left joystick consoles (1) can be adjusted to meet individual preferences, improving operator comfort and productivity during the course of a day.

With the touch of the button, one-touch idle reduces engine speed to help save fuel; touch it again or move the joystick and the machine returns to normal operating level.

The optional heavy lift mode increases machine system pressure to improve lift – a nice benefit in certain situations. Heavy lift mode also reduces engine speed and pump flow in order to improve controllability.

Monitor

The 349E is equipped with a new LCD (Liquid Crystal Display) monitor (2) that's 40% bigger than the previous model's with higher resolution for better visibility. In addition to an improved keypad and added functionality, it's programmable to provide information in a choice of 42 languages to support today's diverse workforce.

A new "Engine Shutdown Setting" accessible through the monitor allows owners and operators to specify how long the machine should idle before shutting down the engine, which can save significant amounts of fuel.

In addition, the monitor serves as a display for the optional rearview camera. Up to two different camera images can be displayed on the screen.

MP3-Ready Radio and Power Supply

The standard radio is equipped with a new auxiliary audio port for MP3 players. Two 12-volt power supply sockets are located near key storage areas for charging.

Storage

Storage spaces are located in the front, rear, and side consoles. New space near the auxiliary power supply holds MP3 players and cell phones. The drink holder accommodates large mugs with handles, and a new shelf behind the seat stores large lunch or toolboxes.

Automatic Climate Control

The climate control system features five air outlets with positive filtered ventilation, which makes working in the heat and cold much more pleasant.

Engine

Reduced emissions, economical and reliable performance

Cat® C13 ACERT™ Engine

The Cat C13 ACERT engine delivers more horsepower using less fuel than the previous series engine.

Emissions Solution

The C13 ACERT engine is equipped to meet current U.S. Tier 4 Interim regulations. Driven by customer input, Cat's aftertreatment regeneration solution ensures the machine works as normal with no operator intervention needed.

The machine comes with two programmable modes of operation: automatic and manual regeneration.

In automatic mode, the machine starts the regeneration process once the filtering system reaches a certain level and conditions are optimal. The system will not interrupt the work process and can regenerate during machine operation.

Manual mode enables the operator to override the automatic mode. With a touch of a button (1) inside the cab, this mode allows the operator to move the machine from flammable or heat-restricted areas before initiating the regeneration process.

Bio Diesel-Ready Fuel System

The Cat C13 ACERT engine is equipped with a mechanically actuated, electronically controlled unit injector (MEUI) fuel system that includes a new electric priming pump and three-layer fuel hose to allow the use of bio fuel up to B20 (bio fuel 20% mixture).

Cooling System

The high-ambient cooling system features a side-by-side-mounted radiator and oil and air coolers for easy cleaning.

Speed and Power Control

The new E Series features isochronous speed control to maintain a constant speed – regardless of load – to improve fuel economy. Three different power modes are offered: high power, standard power, and economy power. The operator can easily change between modes through the monitor or console switch to meet the needs for the job at hand – all to help manage and conserve fuel.

Structures and Undercarriage

Built to work in rugged environments

Frame

The upper frame includes new reinforced mountings to support a new Roll-Over Protective Structure (ROPS) cab; the lower frame is reinforced to increase component durability.

Undercarriage

Fixed and variable gauge long undercarriage systems are available to support various work applications.

Heavy-duty track rollers, precision-forged carrier rollers, press-fit pin master joints, and enhanced track shoe bolts improve durability and reduce the risk of machine downtime and the need and cost to replace components.

A new segmented three-piece guiding guard is now offered to maintain track alignment and improve performance in multiple applications.

A redesigned motor housing prevents mud packing and debris buildup around seals.

Counterweights

The standard 9.0 mt (9.9 t) counterweight maintains large lifting capacity and excellent stability. A counterweight with removal device is available as an attachment to reduce the time required in preparation for transport. Both counterweights bolt directly to the main frame for added rigidity and feature an integrated housing for the new rearview camera option.

Front Linkage

Made for high stress and long service life

Booms and Sticks

The 349E is offered with a range of booms and sticks. Each is built with internal baffle plates and stress-relieved for added durability, and each undergoes ultrasound inspection to ensure quality and reliability. Large box-section structures with thick, multi-plate fabrications, castings, and forgings are used in high-stress areas such as the boom nose, boom foot, boom cylinder, and stick foot to improve durability. Also, the boom nose pin retention method is a captured flag design for enhanced durability.

Selections

Two boom types are offered:

HD = Heavy Duty Reach. HD is designed for general excavator applications such as multipurpose digging and loading, and it includes additional steel to make it more durable and better suited for more demanding applications like moving rock or using a hammer.

ME = Mass Excavation. ME is best used for quarry, high-volume loading, and other demanding applications. The ME front provides higher digging forces due to the geometry of the boom and stick relationship. Bucket linkage and cylinders are also built for greater durability.

Work Tools

Dig, hammer, rip, and cut with confidence

Work Tools

An extensive range of Cat Work Tools for the 349E includes buckets, hydraulic hammers, multi-processors, scrap and demolition shears, contractors' grapples, trash grapples, rippers, and thumbs. Each is designed to optimize the versatility and performance of your machine.

Couplers

Quick couplers allow one person to change work tools in seconds for maximum performance and flexibility on a job site. One machine can move rapidly from task to task, and a fleet of similarly equipped machines can share a common work tool inventory.

Cat Center-Lock™ Pin Grabber Coupler

Center-Lock is the pin grabber style of coupler and features a patent-pending locking system. A highly visible secondary lock clearly shows the operator when the coupler is engaged or disengaged from the bucket or work tool.

Hydraulic Kits

Caterpillar offers field-installed hydraulic kits that are uniquely designed to integrate Cat Work Tools with Cat excavators. Hoses and tubes are pre-made, pre-shaped, and pre-painted to make installation quick and easy.

Buckets

Cat buckets are designed as an integral part of the 349E system and feature new geometry for better performance. The leading edge has been pushed forward, resulting in more efficient filling and better operator control for greatly improved productivity.

Wear coverage in the corners and side cutter and sidebar protector coverage are improved; a new lift eye design accepts a wide range of shackle sizes.

All benefits are captured in a new bucket line with a new bucket naming convention. Following are the types offered:

General Duty (GD)

GD buckets are for digging in low-impact, low-abrasion material such as dirt, loam, and mixed compositions of dirt and fine gravel.

Heavy Duty (HD)

The most popular bucket style, HD buckets are a good starting point when digging conditions are not well known like a wide range of impact and abrasion conditions that include mixed dirt, clay, and rock.

Severe Duty (SD)

SD buckets are for higher abrasion conditions such as well shot granite and caliche.

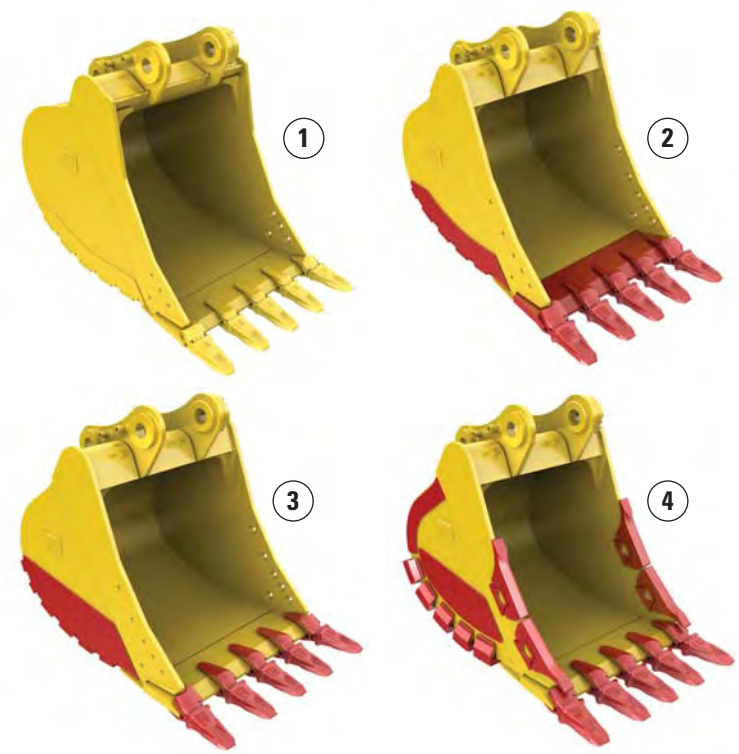
Extreme Duty (XD)

XD buckets are the new standard for high-abrasion conditions, including high quartzite granite.

Specialty Buckets

In addition to the four levels of bucket durability categories, several specialty buckets are available for the 349E, each with a different purpose:

- **Ditch cleaning** for cleaning ditches, slope grading, and other finish work
- **Center-Lock Pin Grabber Performance** for maximum digging performance while keeping the versatility and convenience of a coupler
- **Power** for use in abrasive applications where breakout force and cycle times are critical
- **Wide tip** for low-impact material where leaving a smoother floor and minimal spillage are necessary



1) General Duty 2) Heavy Duty 3) Severe Duty 4) Extreme Duty

Integrated Technologies

Solutions that make work easier and more efficient

Cat® Grade Control Depth and Slope

This optional system (1) combines traditional machine control and guidance with standard factory-installed and calibrated components, making the system ready to go to work the moment it leaves the factory. The system utilizes internal front linkage sensors – well protected from the harsh working environment – to give operators real-time bucket tip position information, which minimizes the need and cost for traditional grade checking and improves job site safety. It also helps the operator complete jobs in fewer cycles, which means less fuel use. Cat dealers can upgrade the system to full three-dimensional control by adding proven Cat AccuGrade™ positioning technologies, including GPS and Universal Total Station (UTS).

Cat Product Link*

This deeply integrated machine monitoring system is designed to help customers improve their overall fleet management effectiveness. Events and diagnostic codes as well as hours, fuel consumption, idle time, machine location, and other detailed information are transmitted to a secure web application called VisionLink™, which uses powerful tools to communicate to users and dealers.

**Product Link licensing not available in all areas. Please consult your Cat dealer for availability.*

1

Serviceability

Fast, easy and safe access built in

Service Doors

Wider service doors (1) feature sturdier hinges and latches and a new screen design to help prevent debris entry; a new two-piece hood provides easier access to the engine and cooling compartments.

Compartments

The radiator, pump, and air cleaner compartments provide easy access to major components. The fresh air filter (2) is located on the side of the cab to make it easier to reach and replace as needed.

Other Service Improvements

The water separator with water level sensor has a primary fuel filter element located in the pump compartment near ground level; the electric priming pump is mounted on the primary filter base and is easier to service than traditional hand-priming pumps.

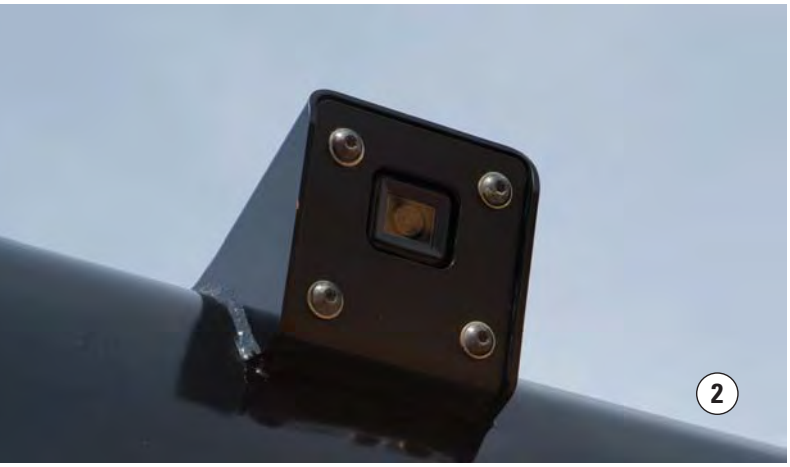
The fuel tank features a remote drain cock located in the pump compartment to make it easy to remove water and sediment during maintenance.

The engine oil check gauge is situated in front of the engine compartment and is easy to remove. The engine oil filter is situated in the pump compartment for easy access. Changing engine oil is simple due to a unique drain cock designed to prevent spills.

The optional Fast Fill Hydraulic Oil System and Fast Fill Engine Oil System make what typically takes hours achievable in minutes.

Safety

Features to help protect people



Reinforced Frame

The upper frame is reinforced to accommodate the installation of a new ROPS cab with redesigned overhead guarding to protect operators.

Sound Proofing

Improved sealing and cab roof lining lower noise levels significantly during machine operation.

Anti-Skid Plates

The surface of the upper structure and the top of the storage box area are covered with removable anti-skid plates to help prevent service personnel and operators from slipping during maintenance.

Steps, Hand and Guard Rails

Steps (1) on the track frame and storage box along with extended hand and guard rails to the upper deck enable operators to more securely work on the machine.

High Intensity Discharge (HID) Lights

Cab lights can be upgraded to HID for greater night time visibility.

Visibility – Windows

Increased glass coverage improves visibility while meeting the latest ROPS regulations. The 70/30 split configuration features an upper window equipped with handles on the top and both sides so the operator can slide it to store in the ceiling. The lower window is removable and can be stored on the left wall of the cab shell. An available one-piece front windshield comes with a glass-breaking safety hammer.

The newly designed skylight is larger than the previous series' and provides greater overhead visibility, excellent natural lighting, and good ventilation. The skylight can be opened completely to become an emergency exit.

Monitor Warning System

The monitor is equipped with a buzzer that can warn an operator of critical events like "Engine Oil Pressure Decrease," "Coolant Temperature High," or "Hydraulic Oil Temperature High," allowing for immediate action to take place.

Rearview Camera

A rearview camera (2) housed in the counterweight area is available as an attachment. The image projects through the cab monitor to give the operator a clear picture of what's behind the machine.

Complete Customer Care

Service you can count on

Product Support

Cat dealers utilize a worldwide parts network to maximize your machines' uptime. Plus they can help you save money with Cat remanufactured components.

Machine Selection

What are the job requirements and machine attachments? What production is needed? Your Cat dealer can provide recommendations to help you make the right machine choices.

Purchase

Consider financing options and day-to-day operating costs. Look at dealer services that can be included in the machine's cost to yield lower owning and operating costs over time.

Customer Support Agreements

Cat dealers offer a variety of customer support agreements and work with you to develop a plan to meet your specific needs. These plans can cover the entire machine, including attachments, to help protect your investment.

Operation

Improving operating techniques can boost your profits. Your Cat dealer has videos, literature, and other ideas to help you increase productivity. Caterpillar also offers simulators and certified operator training to help maximize the return on your investment.

Replacement

Repair, rebuild, or replace? Your Cat dealer can help you evaluate the cost involved so you can make the best choice for your business.

Sustainability

Generations ahead in every way

- The C13 ACERT engine, along with the Cat Clean Emissions Module (CEM), meets U.S. EPA Tier 4 Interim emissions regulations.
- The 349E performs the same amount of work while burning 3% less fuel than the previous D Series model, which means more efficiency, less resources, and fewer CO_2 emissions.
- The 349E has the flexibility of running on either ultra-low-sulfur diesel (ULSD) fuel with 15 ppm of sulfur or less or bio diesel (B20) fuel blended with ULSD.
- The 349E features an overfill indicator that rises when the tank is full to help the operator avoid spilling.
- The 349E's quick fill ports with connectors ensure fast, easy, and secure changing of hydraulic oil.
- The 349E is built to be rebuilt with major structures and components remanufactured to reduce waste and replacement costs.
- The 349E is an efficient, productive machine that's designed to conserve our natural resources for generations ahead.

Engine

Engine Model	Cat® C13 ACERT™	
Net Flywheel Power	295 kW	396 hp
Net Power – ISO 14396	317 kW	425 hp
Net Power – SAE J1349	301 kW	404 hp
Gross Power – SAE J1995	322 kW	432 hp
Bore	130 mm	5.12 in
Stroke	157 mm	6.18 in
Displacement	12.5 L	568 in^3

Weights

Minimum Weight*	47 800 kg	105,400 lb
Maximum Weight**	53 300 kg	117,500 lb

*6.9 m (22'8") HD Reach boom, R3.35TB (11'0") HD stick, 9.0 mt (9.9 t) counterweight, Long FIX undercarriage, 3.1 m^3 (4.1 yd^3) bucket, 600 mm (24") DG shoes.

**6.55 m (21'6") Mass boom, M3.0UB (9'10") HD stick, 9.0 mt (9.9 t) counterweight, Long VG undercarriage, 3.2 m^3 (4.2 yd^3) bucket, 900 mm (35") TG shoes.

Hydraulic System

Main System – Maximum Flow (Total)	770 L/min	203 gal/min
Swing System – Maximum Flow	385 L/min	102 gal/min
Maximum Pressure – Equipment	35 000 kPa	5,076 psi
Maximum Pressure – Equipment (Lift mode)	38 000 kPa	5,512 psi
Maximum Pressure – Travel	35 000 kPa	5,076 psi
Maximum Pressure – Swing	27 500 kPa	3,989 psi
Pilot System – Maximum Flow	27 L/min	7.1 gal/min
Pilot System – Maximum Pressure	4120 kPa	598 psi
Boom Cylinder – Bore	170 mm	6.69 in
Boom Cylinder – Stroke	1524 mm	60.00 in
Stick Cylinder – Bore	190 mm	7.48 in
Stick Cylinder – Stroke	1758 mm	69.21 in
DB Family Bucket Cylinder – Bore	160 mm	6.30 in
DB Family Bucket Cylinder – Stroke	1356 mm	53.39 in
TB Family Bucket Cylinder – Bore	170 mm	6.69 in
TB Family Bucket Cylinder – Stroke	1396 mm	54.96 in

Drive

Maximum Travel Speed	4.7 km/h	2.9 mph
Maximum Drawbar Pull	335 kN	75,300 lbf

Swing Mechanism

Swing Speed	8.7 rpm	
Swing Torque	148.5 kN·m	109,500 lb-ft

Service Refill Capacities

Fuel Tank Capacity	720 L	190 gal
Cooling System	50 L	13.2 gal
Engine Oil (with filter)	43 L	11.4 gal
Swing Drive (each)	10 L	2.6 gal
Final Drive (each)	15 L	4.0 gal
Hydraulic System (including tank)	570 L	150.6 gal
Hydraulic Tank	407 L	107.5 gal

Track

Number of Shoes (each side)	
Long Fix Undercarriage	52
Long Variable Gauge Undercarriage	52
Number of Track Rollers (each side)	
Long Fix Undercarriage	9
Long Variable Gauge Undercarriage	9
Number of Carrier Rollers (each side)	
Long Fix Undercarriage	2
Long Variable Gauge Undercarriage	3

Sound Performance

SAE J1166

- 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.

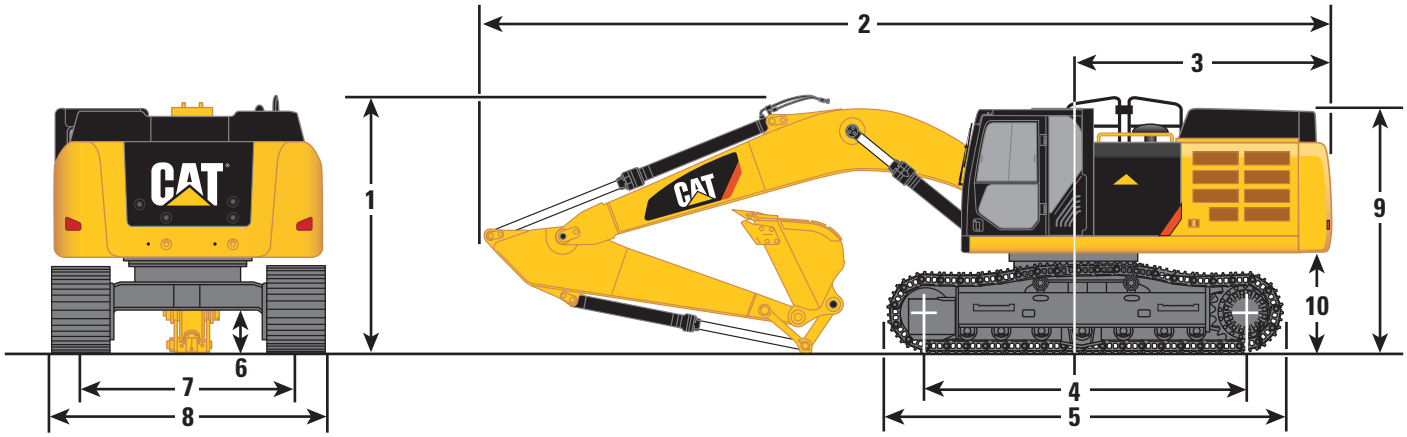
Standards

Brakes	ISO and SAE
Cab/FOGS	ISO and SAE

349E L Hydraulic Excavator Specifications

Dimensions – Long FIX Undercarriage

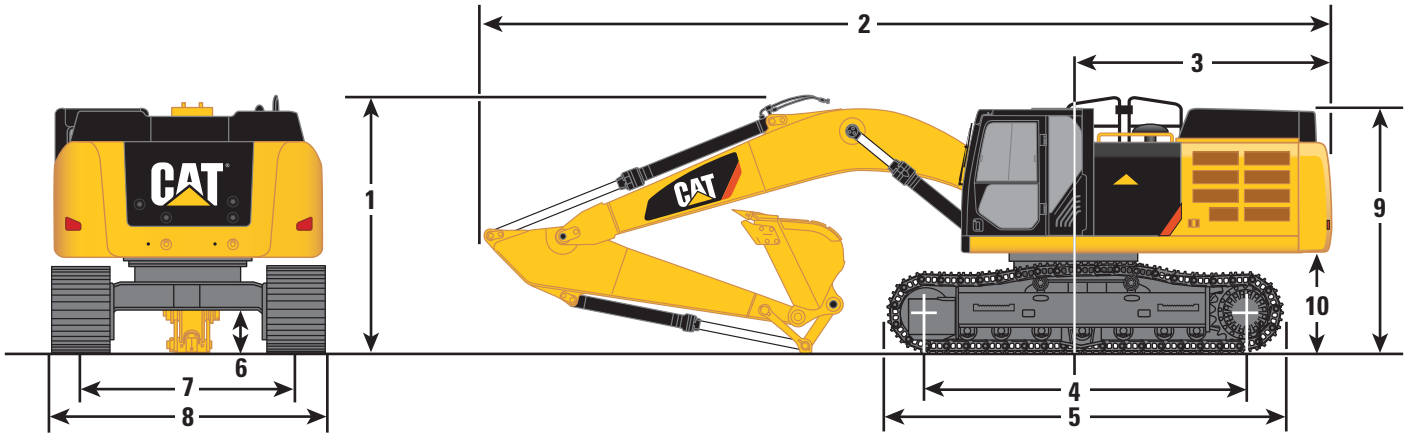
All dimensions are approximate.



		HD Reach Boom 6.9 m (22'8")		Mass Boom 6.55 m (21'6")	
	Stick	**R3.9TB (12'10")**	**R3.35TB (11'0")**	**M3.0UB (9'10")**	**M2.5UB (8'2")**
		mm (ft)	**mm (ft)**	**mm (ft)**	**mm (ft)**
1	Shipping Height	3670 (12'1")	3730 (12'3")	4020 (13'2")	3980 (13'1")
	Shipping Height with Top Guard	3670 (12'1")	3730 (12'3")	4020 (13'2")	3980 (13'1")
2	Shipping Length	11 930 (39'2")	11 920 (39'1")	11 590 (38'0")	11 680 (38'4")
3	Tail Swing Radius	3760 (12'4")	3760 (12'4")	3760 (12'4")	3760 (12'4")
4	Length to Center of Rollers	4360 (14'4")	4360 (14'4")	4360 (14'4")	4360 (14'4")
5	Track Length	5370 (17'7")	5370 (17'7")	5370 (17'7")	5370 (17'7")
6	Ground Clearance (including Shoe Lug Height)	510 (1'8")	510 (1'8")	510 (1'8")	510 (1'8")
7	Track Gauge	2740 (9'0")	2740 (9'0")	2740 (9'0")	2740 (9'0")
8	Transport Width				
	600 mm (24") Shoes	3340 (11'0")	3340 (11'0")	3340 (11'0")	3340 (11'0")
	750 mm (30") Shoes	3490 (11'5")	3490 (11'5")	3490 (11'5")	3490 (11'5")
	900 mm (36") Shoes	3640 (11'11")	3640 (11'11")	3640 (11'11")	3640 (11'11")
9	Cab Height	3220 (10'7")	3220 (10'7")	3220 (10'7")	3220 (10'7")
	Cab Height with Top Guard	3390 (11'1")	3390 (11'1")	3390 (11'1")	3390 (11'1")
10	Counterweight Clearance	1280 (4'2")	1280 (4'2")	1280 (4'2")	1280 (4'2")

Dimensions – Long VG Undercarriage

All dimensions are approximate.

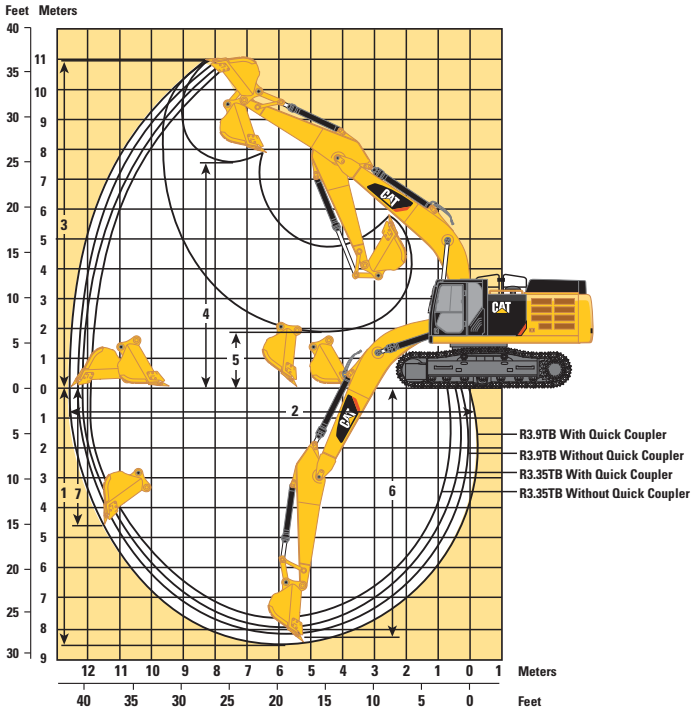


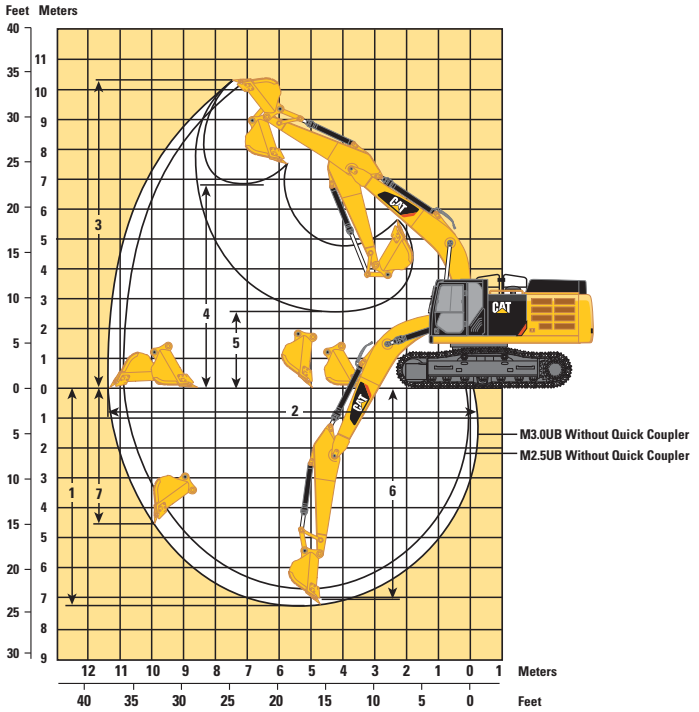
		HD Reach Boom 6.9 m (22'8")		Mass Boom 6.55 m (21'6")	
	Stick	**R3.9TB (12'10")**	**R3.35TB (11'0")**	**M3.0UB (9'10")**	**M2.5UB (8'2")**
		mm (ft)	**mm (ft)**	**mm (ft)**	**mm (ft)**
1	Shipping Height	3650 (12'0")	3550 (11'8")	4020 (13'2")	4010 (13'2")
	Shipping Height with Top Guard	3650 (12'0")	3550 (11'8")	4020 (13'2")	4010 (13'2")
2	Shipping Length	11 890 (39'0")	11 820 (38'9")	11 560 (37'11")	11 640 (38'2")
3	Tail Swing Radius	3760 (12'4")	3760 (12'4")	3760 (12'4")	3760 (12'4")
4	Length to Center of Rollers	4340 (14'3")	4340 (14'3")	4340 (14'3")	4340 (14'3")
5	Track Length	5380 (17'8")	5380 (17'8")	5380 (17'8")	5380 (17'8")
6	Ground Clearance (including Shoe Lug Height)	740 (2'5")	740 (2'5")	740 (2'5")	740 (2'5")
7	Track Gauge (Expanded)	2890 (9'6")	2890 (9'6")	2890 (9'6")	2890 (9'6")
	Track Gauge (Retracted)	2390 (7'10")	2390 (7'10")	2390 (7'10")	2390 (7'10")
8	Transport Width (Expanded)				
	600 mm (24") Shoes	3490 (11'5")	3490 (11'5")	3490 (11'5")	3490 (11'5")
	750 mm (30") Shoes	3640 (11'11")	3640 (11'11")	3640 (11'11")	3640 (11'11")
	900 mm (36") Shoes	3790 (12'5")	3790 (12'5")	3790 (12'5")	3790 (12'5")
	Transport Width (Retracted)				
	600 mm (24") Shoes	3000 (9'10")	3000 (9'10")	3000 (9'10")	3000 (9'10")
	750 mm (30") Shoes	3140 (10'4")	3140 (10'4")	3140 (10'4")	3140 (10'4")
	900 mm (36") Shoes	3290 (10'10")	3290 (10'10")	3290 (10'10")	3290 (10'10")
9	Cab Height	3370 (11'1")	3370 (11'1")	3370 (11'1")	3370 (11'1")
	Cab Height with Top Guard	3540 (11'7")	3540 (11'7")	3540 (11'7")	3540 (11'7")
10	Counterweight Clearance	1430 (4'8")	1430 (4'8")	1430 (4'8")	1430 (4'8")

349E L Hydraulic Excavator Specifications

Working Ranges

All dimensions are approximate.

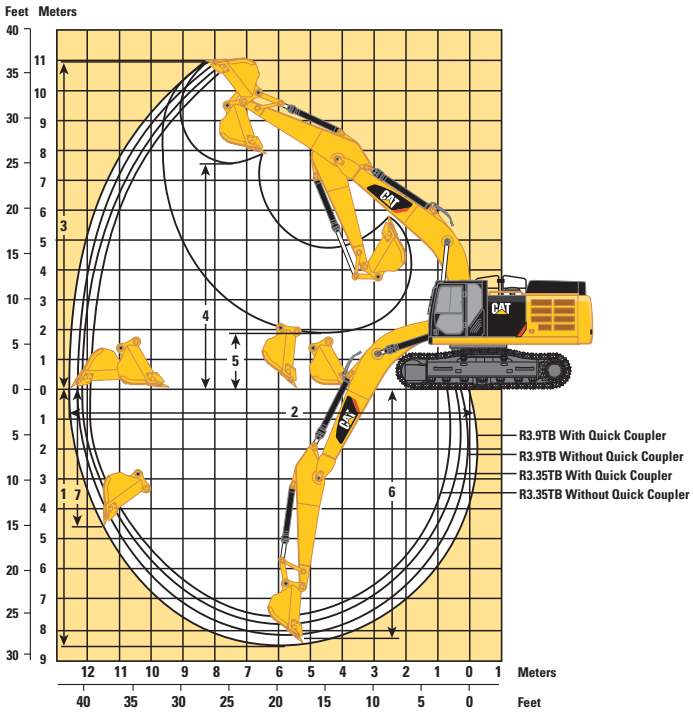


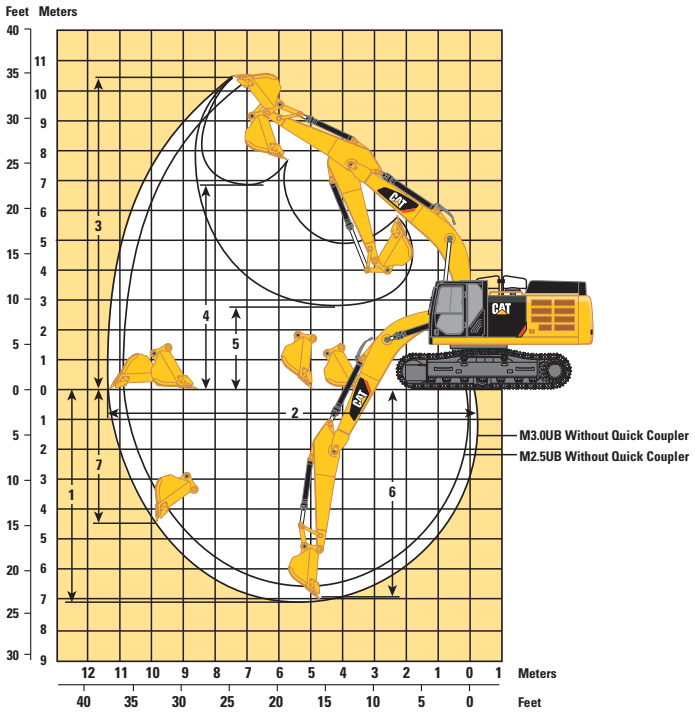


	HD Reach Boom 6.9 m (22'8")		Mass Boom 6.55 m (21'6")	
Stick	**R3.9TB (12'10")**	**R3.35TB (11'0")**	**M3.0UB (9'10")**	**M2.5UB (8'2")**
	mm (ft)	**mm (ft)**	**mm (ft)**	**mm (ft)**
Long FIX Undercarriage				
1 Maximum Digging Depth	8180 (26'10")	7630 (25'0")	7230 (23'9")	6730 (23'1")
2 Maximum Reach at Ground Level	12 120 (39'9")	11 710 (38'5")	11 200 (36'9")	10 740 (35'3")
3 Maximum Cutting Height	10 730 (35'2")	10 810 (35'6")	10 300 (33'10")	10 110 (33'2")
4 Maximum Loading Height	7450 (24'5")	7460 (25'6")	6820 (22'5")	6620 (21'9")
5 Minimum Loading Height	2230 (7'4")	2780 (9'1")	2650 (8'8")	3150 (10'4")
6 Maximum Depth Cut for 2440 mm (8'0") Level Bottom	8050 (26'5")	7490 (24'7")	7080 (23'3")	6560 (21'6")
7 Maximum Vertical Wall Digging Depth	5890 (19'4")	5760 (18'11")	4570 (15'0")	4140 (13'7")

Working Ranges

All dimensions are approximate.





	HD Reach Boom 6.9 m (22'8")		Mass Boom 6.55 m (21'6")	
Stick	**R3.9TB (12'10")**	**R3.35TB (11'0")**	**M3.0UB (9'10")**	**M2.5UB (8'2")**
	mm (ft)	**mm (ft)**	**mm (ft)**	**mm (ft)**
Long VG Undercarriage				
1 Maximum Digging Depth	8040 (26'5")	7490 (24'7")	7140 (23'5")	6640 (21'9")
2 Maximum Reach at Ground Level	12 090 (39'8")	11 680 (38'4")	11 220 (36'10")	10 760 (35'4")
3 Maximum Cutting Height	10 780 (35'4")	10 870 (35'8")	11 440 (37'6")	10 240 (33'7")
4 Maximum Loading Height	7590 (24'11")	7610 (25'0")	6910 (22'8")	6720 (22'1")
5 Minimum Loading Height	2370 (7'9")	2920 (9'7")	2740 (9'0")	3240 (10'8")
6 Maximum Depth Cut for 2440 mm (8'0") Level Bottom	7900 (25'11")	7340 (24'1")	6990 (22'11")	6740 (22'1")
7 Maximum Vertical Wall Digging Depth	5270 (18'3")	5170 (17'0")	4340 (14'3")	3910 (12'10")

349E L Hydraulic Excavator Specifications

Operating Weight and Ground Pressure

	900 mm (36") Triple Grouser Shoes		750 mm (30") Triple Grouser Shoes		600 mm (24") Double Grouser Shoes	
	kg (lb)	kPa (psi)	kg (lb)	kPa (psi)	kg (lb)	kPa (psi)
Long FIX Undercarriage						
HD Reach Boom – 6.9 m (22'8")						
R3.9TB HD (12'10")	49 500 (109,100)	57.0 (8.3)	48 800 (107,600)	68.0 (9.9)	48 100 (106,000)	83.0 (12.0)
R3.35TB HD (11'0")	49 200 (108,500)	57.0 (8.3)	48 500 (106,900)	67.0 (9.7)	47 800 (105,400)	83.0 (12.0)
Mass Boom – 6.55 m (21'6")						
M3.0UB HD (9'10")	50 500 (111,300)	58.0 (8.4)	49 700 (109,600)	69.0 (10.0)	49 100 (108,200)	85.0 (12.3)
M2.5UB HD (8'2")	50 200 (110,700)	58.0 (8.4)	49 500 (109,100)	69.0 (10.0)	48 800 (107,600)	85.0 (12.3)
Long VG Undercarriage						
HD Reach Boom – 6.9 m (22'8")						
R3.9TB HD (12'10")	52 200 (115,100)	61.0 (8.8)	51 500 (113,500)	72.0 (10.4)	50 700 (111,800)	88.0 (12.8)
R3.35TB HD (11'0")	52 000 (114,600)	60.0 (8.7)	51 200 (112,900)	71.0 (10.3)	50 500 (111,300)	88.0 (12.8)
Mass Boom – 6.55 m (21'6")						
M3.0UB HD (9'10")	53 300 (117,500)	62.0 (9.0)	52,500 (115,700)	73.0 (10.6)	51 800 (114,200)	90.0 (13.1)
M2.5UB HD (8'2")	53 000 (116,800)	62.0 (9.0)	52,300 (115,300)	73.0 (10.6)	51 500 (113,500)	90.0 (13.1)

Major Component Weights*

	kg	lb
Base machine (with boom cylinder, without counterweight, front linkage and track)		
Long FIX Undercarriage	24 200	53,400
Long VG Undercarriage	26 800	59,100
Counterweight		
9.0 mt (9.9 t)	9000	19,800
Boom (includes lines, pins and stick cylinder)		
Reach Boom – 6.9 m (22'8")	4510	9,900
Mass Boom – 6.55 m (21'6")	4750	10,500
Stick (includes lines, pins and bucket cylinder)		
R3.9TB HD (12'10")	2750	6,100
R3.35TB HD (11'0")	2480	5,500
M3.0UB (9'10")	2930	6,500
M2.5UB (8'2")	2700	6,000
Track shoe (Long FIX/per two tracks)		
600 mm (24") double grouser	5240	11,560
750 mm (30") triple grouser	5880	12,960
900 mm (36") triple grouser	6640	14,640
Track shoe (Long VG/per two tracks)		
600 mm (24") double grouser	5300	11,680
750 mm (30") triple grouser	5940	13,100
900 mm (36") triple grouser	6700	14,780
Buckets		
TB1880GD – 3.10 m^3 (4.05 yd^3)	2440	5,400
TB1555EX – 1.9 m^3 (2.49 yd^3)	2340	5,200

*Base machine includes 75 kg (165 lb) operator weight, 90% fuel weight, and undercarriage with center guard.

Bucket and Stick Forces

	HD Reach Boom 6.9 m (22'8")		Mass Boom 6.55 m (21'6")	
Stick	**R3.9TB (12'10")**	**R3.35TB (11'0")**	**M3.0UB (9'10")**	**M2.5UB (8'2")**
	kN (lbf)	**kN (lbf)**	**kN (lbf)**	**kN (lbf)**
General Duty				
Bucket Digging Force (ISO)	268 (60,200)	268 (60,200)	296 (66,500)	296 (66,500)
Stick Digging Force (ISO)	184 (41,400)	201 (45,200)	212 (47,700)	241 (54,200)
Bucket Digging Force (SAE)	237 (53,300)	237 (53,300)	260 (58,500)	260 (58,500)
Stick Digging Force (SAE)	180 (40,500)	195 (43,800)	205 (46,100)	231 (51,900)
General Duty Capacity				
Bucket Digging Force (ISO)	268 (60,200)	268 (60,200)	–	–
Stick Digging Force (ISO)	183 (41,100)	199 (44,700)	–	–
Bucket Digging Force (SAE)	239 (53,700)	239 (53,700)	–	–
Stick Digging Force (SAE)	178 (40,000)	193 (43,400)	–	–
Heavy Duty				
Bucket Digging Force (ISO)	268 (60,200)	268 (60,200)	296 (66,500)	296 (66,500)
Stick Digging Force (ISO)	184 (41,400)	201 (45,200)	212 (47,700)	241 (54,200)
Bucket Digging Force (SAE)	237 (53,300)	237 (53,300)	260 (58,500)	260 (58,500)
Stick Digging Force (SAE)	180 (40,500)	195 (43,800)	205 (46,100)	231 (51,900)
Severe Duty				
Bucket Digging Force (ISO)	268 (60,200)	268 (60,200)	292 (65,600)	292 (65,600)
Stick Digging Force (ISO)	184 (41,400)	201 (45,200)	211 (47,400)	240 (54,000)
Bucket Digging Force (SAE)	237 (53,300)	237 (53,300)	255 (57,300)	255 (57,300)
Stick Digging Force (SAE)	180 (40,500)	195 (43,800)	204 (45,900)	230 (51,700)
Extreme Duty				
Bucket Digging Force (ISO)	262 (58,900)	262 (58,900)	–	–
Stick Digging Force (ISO)	183 (41,100)	199 (44,700)	–	–
Bucket Digging Force (SAE)	237 (53,300)	237 (53,300)	–	–
Stick Digging Force (SAE)	180 (40,500)	195 (43,800)	–	–

349E L Hydraulic Excavator Specifications

Bucket and Stick Forces

	HD Reach Boom 6.9 m (22'8")		Mass Boom 6.55 m (21'6")	
Stick	**R3.9TB (12'10")**	**R3.35TB (11'0")**	**M3.0UB (9'10")**	**M2.5UB (8'2")**
	kN (lbf)	**kN (lbf)**	**kN (lbf)**	**kN (lbf)**
For CW-55				
General Duty				
Bucket Digging Force (ISO)	220 (49,500)	220 (49,500)	–	–
Stick Digging Force (ISO)	172 (38,700)	186 (41,800)	–	–
Bucket Digging Force (SAE)	204 (45,900)	204 (45,900)	–	–
Stick Digging Force (SAE)	169 (38,000)	182 (40,900)	–	–
Heavy Duty				
Bucket Digging Force (ISO)	–	–	262 (58,900)	262 (58,900)
Stick Digging Force (ISO)	–	–	202 (45,400)	228 (51,300)
Bucket Digging Force (SAE)	–	–	237 (53,300)	237 (53,300)
Stick Digging Force (SAE)	–	–	197 (44,300)	221 (49,700)
Heavy Duty – Power				
Bucket Digging Force (ISO)	223 (50,100)	223 (50,100)	–	–
Stick Digging Force (ISO)	173 (38,900)	188 (42,300)	–	–
Bucket Digging Force (SAE)	205 (46,100)	205 (46,100)	–	–
Stick Digging Force (SAE)	170 (38,200)	184 (41,400)	–	–
Severe Duty				
Bucket Digging Force (ISO)	223 (50,100)	223 (50,100)	259 (58,200)	259 (58,200)
Stick Digging Force (ISO)	173 (38,900)	188 (42,300)	202 (45,400)	227 (51,000)
Bucket Digging Force (SAE)	205 (46,100)	205 (46,100)	234 (52,600)	234 (52,600)
Stick Digging Force (SAE)	170 (38,200)	184 (41,400)	196 (44,100)	220 (49,500)

349E L Work Tool Offering Guide*

Boom Type	**Reach Boom (HD)**		**Mass Boom**	
Stick Size	**R3.9 (HD) (12'10")**	**R3.35 (HD) (11'0")**	**M3.0 (9'10")**	**M2.5 (8'2")**
Hydraulic Hammer	H160Ds H180Ds	H160Ds H180Ds	H160Ds H180Ds	H160Ds H180Ds
Multi-Processor	MP30	MP30	MP30	MP30
Mobile Scrap and Demolition Shear	S340B S365C** S385C**	S340B S365C** S385C**	S340B S365C** S385C**	S340B S365C** S385C**
Contractors' Grapple	G330	G330	G330	G330
Trash Grapple				
Thumbs				
Rippers				
Center-Lock Pin Grabber Coupler				
Dedicated Quick Coupler				

These work tools are available for the 349E.
Consult your Cat dealer for proper match.

*Matches are dependent on excavator configurations. Consult your Cat dealer for proper work tool match.

**Boom Mount

349E L (LC-FIX) HD Reach Boom Lift Capacities – Americas

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

Boom – 6.9 m (22'8") **Counterweight** – 9.0 mt (9.9 t) **Bucket** – None

Stick – R3.9TB (12'10") **Shoes** – 900 mm (35") triple grouser

		1.5 m/5.0 ft		3.0 m/10.0 ft		4.5 m/15.0 ft		6.0 m/20.0 ft		7.5 m/25.0 ft		9.0 m/30.0 ft				
																m ft
9.0 m **30.0 ft**	kg **lb**									***18,900**	***18,900**			*7950 ***17,650**	*7950 ***17,650**	7.86 **25.34**
7.5 m **25.0 ft**	kg **lb**													*7600 ***16,800**	*7600 ***16,800**	8.96 **29.16**
6.0 m **20.0 ft**	kg **lb**									*11 850 ***25,850**	11 350 **24,400**	*11 250 ***23,150**	8450 **18,150**	*7550 ***16,600**	7400 **16,450**	9.71 **31.74**
4.5 m **15.0 ft**	kg **lb**							*15 100 ***32,600**	*15 100 ***32,600**	*13 050 ***28,300**	10 950 **23,550**	*11 800 ***25,750**	8250 **17,750**	*7650 ***16,850**	6750 **14,900**	10.18 **33.36**
3.0 m **10.0 ft**	kg **lb**					*24 150 ***51,850**	21 950 **47,400**	*17 650 ***38,100**	14 450 **31,150**	*14 400 ***31,250**	10 450 **22,550**	*12 550 **27,050**	8000 **17,200**	*8000 ***17,600**	6350 **14,000**	10.42 **34.16**
1.5 m **5.0 ft**	kg **lb**					*25 850 ***60,100**	20 500 **44,200**	*19 800 ***42,850**	13 650 **29,450**	*15 700 ***34,000**	10 000 **21,550**	12 300 **26,450**	7750 **16,650**	*8600 ***18,900**	6250 **13,700**	10.43 **34.21**
Ground Line	kg **lb**					*23 850 ***55,200**	19 850 **42,650**	*21 100 ***45,650**	13 150 **28,300**	15 800 **33,950**	9650 **20,850**	12 100 **26,000**	7550 **16,200**	*9500 ***20,950**	6300 **13,900**	10.21 **33.51**
–1.5 m **–5.0 ft**	kg **lb**			*15 350 ***34,600**	*15 350 ***34,600**	*28 450 ***62,150**	19 600 **42,200**	*21 350 ***46,200**	12 850 **27,700**	15 550 **33,500**	9450 **20,400**	11 950 **25,750**	7400 **15,950**	10 650 **23,500**	6650 **14,650**	9.77 **32.01**
–3.0 m **–10.0 ft**	kg **lb**	***38,700**	***38,700**	*22 400 ***50,500**	*22 400 ***50,500**	*26 850 ***58,150**	19 700 **42,300**	*20 450 ***44,250**	12 850 **27,650**	15 500 **33,400**	9450 **20,350**	11 950	7450	11 900 **26,300**	7400 **16,350**	9.04 **29.58**
–4.5 m **–15.0 ft**	kg **lb**			*31 400 ***68,000**	*31 400 ***68,000**	*23 500 ***50,700**	20 000 **43,000**	*18 200 ***39,100**	13 000 **28,000**	*14 050 ***29,900**	9600 **20,700**			*12 750 ***28,100**	8850 **19,750**	7.97 **25.95**
–6.0 m **–20.0 ft**	kg **lb**					*17 800 ***37,650**	*17 800 ***37,650**	*13 450 ***27,900**	13 450 ***27,900**					*12 300 ***26,850**	*12 300 ***26,850**	6.38 **20.50**

Boom – 6.9 m (22'8") **Counterweight** – 9.0 mt (9.9 t) **Bucket** – None

Stick – R3.35TB (11'0") **Shoes** – 900 mm (35") triple grouser

		1.5 m/5.0 ft		3.0 m/10.0 ft		4.5 m/15.0 ft		6.0 m/20.0 ft		7.5 m/25.0 ft		9.0 m/30.0 ft				
																m ft
9.0 m **30.0 ft**	kg **lb**													*9050 ***20,150**	*9050 ***20,150**	7.30 **23.48**
7.5 m **25.0 ft**	kg **lb**									*12 100 ***26,600**	11 400 **24,450**			*8550 ***18,850**	*8550 ***18,850**	8.48 **27.57**
6.0 m **20.0 ft**	kg **lb**									*12 700 ***27,650**	11 200 **24,050**	*10 800 ***20,350**	8350 **17,850**	*8400 ***18,450**	7900 **17,550**	9.27 **30.28**
4.5 m **15.0 ft**	kg **lb**					*21 000 ***45,000**	*21 000 ***45,000**	*16 200 ***35,050**	15 050 **32,500**	*13 800 ***29,950**	10 800 **23,250**	*12 450 ***27,100**	8150 **17,550**	*8500 ***18,700**	7150 **15,800**	9.76 **31.97**
3.0 m **10.0 ft**	kg **lb**					*26 050 ***56,000**	21 450 **46,300**	*18 650 ***40,250**	14 250 **30,700**	*15 100 ***32,700**	10 350 **22,350**	12 550 **26,950**	7950 **17,100**	*8850 ***19,450**	6750 **14,900**	10.01 **32.81**
1.5 m **5.0 ft**	kg **lb**					*18 650 ***44,600**	*18 650 **43,650**	*20 550 ***44,450**	13 550 **29,200**	16 100 **34,700**	9950 **21,500**	12 300 **26,450**	7750 **16,650**	*9450 ***20,800**	6600 **14,550**	10.02 **32.87**
Ground Line	kg **lb**					*21 000 ***48,750**	19 850 **42,700**	*21 450 ***46,450**	13 150 **28,300**	15 800 **34,000**	9700 **20,900**	12 100 **26,050**	7550 **16,300**	*10 450 ***23,050**	6750 **14,800**	9.80 **32.14**
–1.5 m **–5.0 ft**	kg **lb**			*14 950 ***33,750**	*14 950 ***33,750**	*28 100 ***61,000**	19 800 **42,550**	*21 250 ***46,050**	12 950 **27,900**	15 650 **33,650**	9550 **20,600**	12 050 **25,950**	7500 **16,150**	11 450 **25,300**	7150 **15,800**	9.33 **30.56**
–3.0 m **–10.0 ft**	kg **lb**			*23 900 ***53,950**	*23 900 ***53,950**	*25 750 ***55,800**	19 950 **42,900**	*19 950 ***43,100**	13 000 **28,000**	15 650 **33,700**	9550 **20,650**			13 000 ***28,650**	8050 **17,850**	8.57 **28.01**
–4.5 m **–15.0 ft**	kg **lb**			*27 850 ***60,100**	*27 850 ***60,100**	*21 750 ***46,800**	20 350 **43,750**	*17 000 ***36,400**	13 250 **28,550**					*12 800 ***28,150**	9950 **22,200**	7.43 **24.14**

*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. The use of a work tool attachment point to handle/lift objects, could affect the machine lift performance.

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

349E L Hydraulic Excavator Specifications

349E L (LC-VG) HD Reach Boom Lift Capacities – Americas

 Load Point Height

 Load at Maximum Reach

 Load Radius Over Front

 Load Radius Over Side

Boom – 6.9 m (22'8")
Stick – R3.9TB (12'10")
Counterweight – 9.0 mt (9.9 t)
Shoes – 900 mm (35") triple grouser
Bucket – None

		1.5 m/5.0 ft		3.0 m/10.0 ft		4.5 m/15.0 ft		6.0 m/20.0 ft		7.5 m/25.0 ft		9.0 m/30.0 ft				
																m ft
9.0 m **30.0 ft**	kg **lb**													*7900 ***17,550**	*7900 ***17,550**	7.98 **25.78**
7.5 m **25.0 ft**	kg **lb**											*7950	*7950	*7600 ***16,750**	*7600 ***16,750**	9.05 **29.46**
6.0 m **20.0 ft**	kg **lb**									*11 950 ***26,050**	*11 950 ***26,050**	*11 300 ***23,800**	9300 **20,000**	*7550 ***16,600**	*7550 ***16,600**	9.77 **31.93**
4.5 m **15.0 ft**	kg **lb**							*15 350 ***33,100**	*15 350 ***33,100**	*13 150 ***28,550**	12 000 **25,850**	*11 900 ***25,900**	9100 **19,550**	*7700 ***16,900**	7400 **16,400**	10.22 **33.47**
3.0 m **10.0 ft**	kg **lb**					*24 600 ***52,850**	24 350 **52,450**	*17 850 ***38,600**	15 900 **34,300**	*14 550 ***31,550**	11 500 **24,850**	*12 650 ***27,450**	8850 **19,000**	*8050 ***17,700**	7050 **15,550**	10.43 **34.20**
1.5 m **5.0 ft**	kg **lb**					*25 100 ***59,550**	22 900 **49,350**	*20 000 ***43,200**	15 150 **32,600**	*15 800 ***34,250**	11 100 **23,900**	12 800 **27,550**	8550 **18,450**	*8650 ***19,050**	6950 **15,250**	10.42 **34.18**
Ground Line	kg **lb**			*9700 ***22,000**	*9700 ***22,000**	*24 100 ***55,700**	22 300 **47,900**	*21 150 ***45,850**	14 650 **31,500**	16 400 **35,350**	10 750 **23,150**	12 600 **27,100**	8350 **18,050**	*9600 ***21,200**	7050 **15,550**	10.18 **33.40**
–1.5 m **–5.0 ft**	kg **lb**			*16 000 ***36,000**	*16 000 ***36,000**	*28 550 ***61,900**	22 100 **47,500**	*21 300 ***46,100**	14 400 **31,000**	16 200 **34,900**	10 550 **22,750**	12 450 **26,850**	8250 **17,800**	*11 150 ***24,650**	7500 **16,500**	9.71 **31.82**
–3.0 m **–10.0 ft**	kg **lb**			*23 150 ***52,250**	*23 150 ***52,250**	*26 600 ***57,600**	22 200 **47,700**	*20 300 ***43,900**	14 350 **30,950**	*16 000 ***34,500**	10 550 **22,700**			12 600 **27,850**	8350 **18,500**	8.96 **29.29**
–4.5 m **–15.0 ft**	kg **lb**			*30 850 ***66,500**	*30 850 ***66,500**	*23 100 ***49,750**	22 500 **48,400**	*17 900 ***38,400**	14 550 **31,350**	*13 750 ***29,100**	10 700 **23,150**			*12 750 ***28,100**	10 100 **22,550**	7.84 **25.52**
–6.0 m **–20.0 ft**	kg **lb**					*17 050	*17 050	*12 700	*12 700					*12 150 ***27,300**	*12 150 ***27,300**	6.18 **19.45**

Boom – 6.9 m (22'8")
Stick – R3.35TB (11'0")
Counterweight – 9.0 mt (9.9 t)
Shoes – 900 mm (35") triple grouser
Bucket – None

		1.5 m/5.0 ft		3.0 m/10.0 ft		4.5 m/15.0 ft		6.0 m/20.0 ft		7.5 m/25.0 ft		9.0 m/30.0 ft				
																m ft
9.0 m **30.0 ft**	kg **lb**													*9000 ***19,950**	*9000 ***19,950**	7.44 **23.95**
7.5 m **25.0 ft**	kg **lb**									*12 150 ***26,650**	*12 150 ***26,650**			*8500 ***18,800**	*8500 ***18,800**	8.57 **27.88**
6.0 m **20.0 ft**	kg **lb**									*12 800 ***27,850**	12 250 **26,400**	*11 250 ***21,650**	9200 **19,700**	*8400 ***18,450**	*8400 ***18,450**	9.33 **30.48**
4.5 m **15.0 ft**	kg **lb**					*21 500 ***46,100**	*21 500 ***46,100**	*16 450 ***35,550**	*16 450 ***35,550**	*13 900 ***30,200**	11 900 **25,600**	*12 500 ***27,200**	9000 **19,400**	*8500 ***18,750**	7900 **17,400**	9.80 **32.09**
3.0 m **10.0 ft**	kg **lb**					*26 500 ***56,850**	23 800 **51,350**	*18 850 ***40,700**	15 700 **33,900**	*15 200 ***32,950**	11 450 **24,650**	13 050 **28,050**	8800 **18,900**	*8900 ***19,550**	7500 **16,450**	10.02 **32.85**
1.5 m **5.0 ft**	kg **lb**					*18 550 ***44,150**	*18 550 ***44,150**	*20 700 ***44,700**	15 050 **32,400**	*16 300 ***35,300**	11 050 **23,800**	12 800 **27,500**	8550 **18,450**	*9550 ***21,000**	7350 **16,200**	10.01 **32.83**
Ground Line	kg **lb**					*21 550 ***49,900**	*21 550 ***48,000**	*21 500 ***46,500**	14 650 **31,550**	16 450 **35,350**	10 750 **23,200**	12 600 **27,150**	8400 **18,100**	*10 600 ***23,350**	7550 **16,600**	9.76 **32.02**
–1.5 m **–5.0 ft**	kg **lb**			*15 800 ***35,600**	*15 800 ***35,600**	*27 900 ***60,600**	22 300 **47,900**	*21 200 ***45,900**	14 500 **31,200**	16 300 **35,050**	10 650 **22,950**	12 550 **27,050**	8350 **18,050**	12 050 **26,650**	8050 **17,750**	9.27 **30.36**
–3.0 m **–10.0 ft**	kg **lb**			*24 850 ***56,150**	*24 850 ***56,150**	*25 450 ***55,100**	22 450 **48,300**	*19 750 ***42,650**	14 550 **31,300**	*15 500 ***33,350**	10 700 **23,050**			*13 000 ***28,650**	9150 **20,200**	8.47 **27.70**
–4.5 m **–15.0 ft**	kg **lb**			*27 100 ***58,450**	*27 100 ***58,450**	*21 250 ***45,700**	*21 250 ***45,700**	*16 600 ***35,450**	14 800 **31,900**					*12 750 ***28,000**	11 400 **25,400**	7.29 **23.68**

*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. The use of a work tool attachment point to handle/lift objects, could affect the machine lift performance.

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

349E L (LC-FIX) Mass Boom Lift Capacities – Americas

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

Boom – 6.55 m (21'6") **Counterweight** – 9.0 mt (9.9 t) **Bucket** – None

Stick – M3.0UB (9'10") **Shoes** – 900 mm (35") triple grouser

		1.5 m/5.0 ft		3.0 m/10.0 ft		4.5 m/15.0 ft		6.0 m/20.0 ft		7.5 m/25.0 ft		9.0 m/30.0 ft				
																m ft
9.0 m **30.0 ft**	kg **lb**															
7.5 m **25.0 ft**	kg **lb**									*11 550	10 900			*10 000 ***22,050**	*10 000 ***22,050**	7.67 **24.87**
6.0 m **20.0 ft**	kg **lb**									*13 000 ***28,350**	10 750 **23,100**			*9700 ***21,400**	8600 **19,150**	8.53 **27.85**
4.5 m **15.0 ft**	kg **lb**					*20 900 ***44,800**	*20 900 ***44,800**	*16 200 ***35,050**	14 650 **31,600**	*13 850 ***30,150**	10 400 **22,350**	*10 750	7700	*9800 ***21,600**	7600 **16,850**	9.07 **29.69**
3.0 m **10.0 ft**	kg **lb**					*25 650 ***55,100**	20 900 **45,150**	*18 450 ***39,850**	13 800 **29,750**	*15 000 ***32,500**	9950 **21,400**	12 150 **26,050**	7500 **16,150**	*10 250 ***22,500**	7100 **15,650**	9.33 **30.59**
1.5 m **5.0 ft**	kg **lb**					*22 900 ***55,050**	19 700 **42,400**	*20 200 ***43,650**	13 050 **28,150**	15 700 **33,800**	9550 **20,550**	11 900 **25,600**	7300 **15,750**	*11 050 ***24,250**	6900 **15,250**	9.34 **30.65**
Ground Line	kg **lb**					*25 950 ***60,500**	19 250 **41,350**	*20 900 ***45,300**	12 650 **27,200**	15 400 **33,100**	9250 **19,950**	11 750	7200	11 550 **25,450**	7050 **15,550**	9.10 **29.86**
–1.5 m **–5.0 ft**	kg **lb**			*17 850 ***40,400**	*17 850 ***40,400**	*27 100 ***58,800**	19 200 **41,250**	*20 500 ***44,400**	12 450 **26,850**	15 250 **32,800**	9150 **19,700**			12 550 **27,650**	7600 **16,800**	8.59 **28.16**
–3.0 m **–10.0 ft**	kg **lb**			*29 400 ***66,650**	*29 400 ***66,650**	*24 300 ***52,550**	19 400 **41,700**	*18 700 ***40,400**	12 550 **27,050**	*14 300 ***30,450**	9250 **19,950**			*13 450 ***29,650**	8850 **19,600**	7.76 **25.35**
–4.5 m **–15.0 ft**	kg **lb**					*19 300 ***41,300**	*19 300 ***41,300**	*14 600 ***30,750**	12 950 **27,950**					*12 900 ***28,300**	11 700 **26,200**	6.48 **20.99**

Boom – 6.55 m (21'6") **Counterweight** – 9.0 mt (9.9 t) **Bucket** – None

Stick – M2.5UB (8'2") **Shoes** – 900 mm (35") triple grouser

		1.5 m/5.0 ft		3.0 m/10.0 ft		4.5 m/15.0 ft		6.0 m/20.0 ft		7.5 m/25.0 ft				
														m ft
9.0 m **30.0 ft**	kg **lb**													
7.5 m **25.0 ft**	kg **lb**											*13 050 ***28,900**	11 800 **26,600**	7.10 **22.99**
6.0 m **20.0 ft**	kg **lb**							*15 350 ***33,300**	15 300 **32,900**	*13 850 ***30,350**	10 700 **22,950**	*12 700 ***27,950**	9500 **21,150**	8.03 **26.19**
4.5 m **15.0 ft**	kg **lb**					*22 750 ***48,800**	22 400 **48,450**	*17 250 ***37,250**	14 550 **31,350**	*14 600 ***31,800**	10 350 **22,300**	*12 850 ***28,250**	8350 **18,400**	8.60 **28.14**
3.0 m **10.0 ft**	kg **lb**					***58,350**	**44,300**	*19 300 ***41,750**	13 700 **29,550**	*15 600 ***33,850**	9950 **21,450**	12 450 **27,400**	7750 **17,050**	8.87 **29.09**
1.5 m **5.0 ft**	kg **lb**							*20 800 ***44,950**	13 100 **28,200**	15 750 **33,900**	9600 **20,700**	12 200 **26,900**	7550 **16,600**	8.88 **29.15**
Ground Line	kg **lb**					*23 950 ***56,350**	19 450 **41,800**	*21 150 ***45,800**	12 750 **27,450**	15 500 **33,350**	9350 **20,200**	12 600 **27,800**	7750 **17,050**	8.63 **28.33**
–1.5 m **–5.0 ft**	kg **lb**			*18 050 ***41,150**	*18 050 ***41,150**	*26 250 ***57,050**	19 500 **41,900**	*20 300 ***43,950**	12 650 **27,300**	15 450 **33,250**	9300 **20,100**	13 850 **30,550**	8450 **18,650**	8.10 **26.52**
–3.0 m **–10.0 ft**	kg **lb**			*28 000 ***61,000**	*28 000 ***61,000**	*22 900 ***49,600**	19 800 **42,550**	*17 900 ***38,600**	12 850 **27,650**			*14 100 ***31,000**	10 050 **22,250**	7.20 **23.52**
–4.5 m **–15.0 ft**	kg **lb**					*16 950 ***36,050**	*16 950 ***36,050**					*12 900 ***28,100**	*12 900 ***28,100**	5.79 **18.72**

*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. The use of a work tool attachment point to handle/lift objects, could affect the machine lift performance.

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

349E L Hydraulic Excavator Specifications

349E L (LC-FIX) Mass Boom Lift Capacities – Americas

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

Boom – 6.55 m (21'6")
Stick – M3.0UB (9'10")
Counterweight – 9.0 mt (9.9 t)
Shoes – 600 mm (24") double grouser
Bucket – None

		1.5 m/5.0 ft		3.0 m/10.0 ft		4.5 m/15.0 ft		6.0 m/20.0 ft		7.5 m/25.0 ft		9.0 m/30.0 ft				
																m ft
9.0 m **30.0 ft**	kg **lb**															
7.5 m **25.0 ft**	kg **lb**									*11 550	10 650			*10 000 ***22,050**	*10 000 ***22,050**	7.67 **24.87**
6.0 m **20.0 ft**	kg **lb**									*13 000 ***28,350**	10 500 **22,550**			*9700 ***21,400**	8400 **18,650**	8.53 **27.85**
4.5 m **15.0 ft**	kg **lb**					*20 900 ***44,800**	*20 900 ***44,800**	*16 200 ***35,050**	14 350 **30,900**	*13 850 ***30,150**	10 150 **21,800**	*10 750	7500	*9800 ***21,600**	7400 **16,400**	9.07 **29.69**
3.0 m **10.0 ft**	kg **lb**					*25 650 ***55,100**	20 400 **44,050**	*18 450 ***39,850**	13 450 **29,000**	*15 000 ***32,500**	9700 **20,850**	11 800 **25,350**	7300 **15,700**	*10 250 ***22,500**	6900 **15,200**	9.33 **30.59**
1.5 m **5.0 ft**	kg **lb**					*22 900 ***55,050**	19 150 **41,300**	*20 200 ***43,650**	12 700 **27,450**	15 300 **32,850**	9300 **20,000**	11 550 **24,850**	7100 **15,300**	10 950 **24,050**	6750 **14,800**	9.34 **30.65**
Ground Line	kg **lb**					*25 950 ***60,500**	18 750 **40,250**	*20 900 ***45,300**	12 300 **26,450**	14 950 **32,150**	9000 **19,350**	11 400	7000	11 250 **24,750**	6850 **15,100**	9.10 **29.86**
–1.5 m **–5.0 ft**	kg **lb**			*17 850 ***40,400**	*17 850 ***40,400**	*27 100 ***58,800**	18 700 **40,150**	*20 500 ***44,400**	12 150 **26,100**	14 800 **31,900**	8900 **19,150**			12 150 **26,850**	7400 **16,350**	8.59 **28.16**
–3.0 m **–10.0 ft**	kg **lb**			*29 400 ***66,650**	*29 400 ***66,650**	*24 300 ***52,550**	18 900 **40,600**	*18 700 ***40,400**	12 200 **26,300**	*14 300 ***30,450**	9000 **19,400**			*13 450 ***29,650**	8600 **19,050**	7.76 **25.35**
–4.5 m **–15.0 ft**	kg **lb**					*19 300 ***41,300**	*19 300 ***41,300**	*14 600 ***30,750**	12 600 **27,250**					*12 900 ***28,300**	11 350 **25,550**	6.48 **20.99**

Boom – 6.55 m (21'6")
Stick – M2.5UB (8'2")
Counterweight – 9.0 mt (9.9 t)
Shoes – 600 mm (24") double grouser
Bucket – None

		1.5 m/5.0 ft		3.0 m/10.0 ft		4.5 m/15.0 ft		6.0 m/20.0 ft		7.5 m/25.0 ft				
														m ft
9.0 m **30.0 ft**	kg **lb**													
7.5 m **25.0 ft**	kg **lb**											*13 050 ***28,900**	11 550 **26,000**	7.10 **22.99**
6.0 m **20.0 ft**	kg **lb**							*15 350 ***33,300**	14 950 **32,150**	*13 850 ***30,350**	10 400 **22,350**	*12 700 ***27,950**	9250 **20,600**	8.03 **26.19**
4.5 m **15.0 ft**	kg **lb**					*22 750 ***48,800**	21 900 **47,300**	*17 250 ***37,250**	14 200 **30,600**	*14 600 ***31,800**	10 100 **21,750**	*12 850 ***28,250**	8100 **17,950**	8.60 **28.14**
3.0 m **10.0 ft**	kg **lb**					***58,350**	**43,200**	*19 300 ***41,750**	13 350 **28,850**	*15 600 ***33,800**	9700 **20,900**	12 100 **26,650**	7500 **16,600**	8.87 **29.09**
1.5 m **5.0 ft**	kg **lb**							*20 800 ***44,950**	12 750 **27,450**	15 300 **32,950**	9350 **20,150**	11 900 **26,150**	7350 **16,150**	8.88 **29.15**
Ground Line	kg **lb**					*23 950 ***56,350**	18 950 **40,650**	*21 150 **45,700**	12 400 **26,700**	15 050 **32,400**	9100 **19,650**	12 250 **27,000**	7550 **16,600**	8.63 **28.33**
–1.5 m **–5.0 ft**	kg **lb**			*18 050 ***41,150**	*18 050 ***41,150**	*26 250 ***57,050**	19 000 **40,800**	*20 300 ***43,950**	12 300 **26,550**	15 000 **32,300**	9050 **19,550**	13 450 **29,700**	8200 **18,100**	8.10 **26.52**
–3.0 m **–10.0 ft**	kg **lb**			*28 000 ***61,000**	*28 000 ***61,000**	*22 900 ***49,600**	19 300 **41,450**	*17 900 ***38,600**	12 500 **26,900**			*14 100 ***31,000**	9750 **21,650**	7.20 **23.52**
–4.5 m **–15.0 ft**	kg **lb**					*16 950 ***36,050**	*16 950 ***36,050**					*12 900 ***28,100**	*12 900 ***28,100**	5.79 **18.72**

*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. The use of a work tool attachment point to handle/lift objects, could affect the machine lift performance.

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

349E L Bucket Specifications and Compatibility

		Width		Capacity		Weight		Fill	Mass Boom		Reach Boom (HD)	
	Linkage	mm	in	m^3	yd^3	kg	lb	%	M2.5 (8'2")	M3.0 (9'10")	R3.35 HD (11'0")	R3.9 HD (12'10")
Without Quick Coupler												
General Duty (GDC)	TB	750	30	0.95	1.24	1311	2,889	100%			●	●
	TB	900	36	1.23	1.60	1441	3,176	100%			●	●
	TB	1050	42	1.51	1.98	1525	3,361	100%			●	●
	TB	1200	48	1.80	2.36	1676	3,694	100%			●	●
	TB	1350	54	2.10	2.74	1792	3,950	100%			●	●
	TB	1500	60	2.39	3.13	1943	4,282	100%			●	◉
	TB	1700	68	2.78	3.64	2128	4,690	100%			⊖	⊖
	TB	1850	74	3.08	4.04	2254	4,968	100%			⊖	○
General Duty XL (GDXL)	TB	2043	80	3.82	5.00	2373	5,230	100%			○	◇
Heavy Duty (HD)	TB	900	36	1.08	1.41	1594	3,513	100%			●	●
	TB	1050	42	1.34	1.75	1684	3,712	100%			●	●
	TB	1200	48	1.60	2.09	1834	4,043	100%			●	●
	TB	1350	54	1.87	2.44	1974	4,350	100%			●	●
	TB	1500	60	2.14	2.80	2125	4,684	100%			●	◉
	TB	1650	66	2.41	3.15	2286	5,039	100%			◉	⊖
	TB	1800	71	2.69	3.52	2423	5,340	100%			⊖	○
	UB	1650	65	2.77	3.62	2581	5,689	100%	◉	⊖		
	UB	1850	73	3.19	4.16	2741	6,041	100%	⊖	○		
	UB	1950	77	3.43	4.48	2898	6,387	100%	⊖	○		
Severe Duty (SD)	TB	760	30	0.88	1.15	1446	3,187	90%			●	●
	TB	900	36	1.08	1.41	1677	3,696	90%			●	●
	TB	1050	42	1.34	1.75	1779	3,921	90%			●	●
	TB	1200	48	1.60	2.09	1952	4,302	90%			●	●
	TB	1400	55	1.87	2.44	2180	4,805	90%			●	●
	TB	1550	61	2.14	2.80	2381	5,248	90%			●	◉
	TB	1700	67	2.41	3.16	2524	5,563	90%			◉	⊖
	TB	1850	74	2.69	3.52	2726	6,008	90%			⊖	⊖
	UB	1450	58	2.39	3.13	2540	5,598	90%	●	●		
	UB	1850	73	3.21	4.20	2987	6,583	90%	◉	⊖		
Extreme Duty (XD)	TB	1250	49	1.60	2.09	2224	4,902	90%			●	●
	TB	1400	55	1.87	2.44	2366	5,215	90%			●	●
Maximum load pin-on (payload + bucket)								kg	7995	7200	6730	6210
								lb	17,621	15,869	14,833	13,687

Maximum Material Density:

- ● 2100 kg/m^3 (3,500 lb/yd^3)
- ◉ 1800 kg/m^3 (3,000 lb/yd^3)
- ⊖ 1500 kg/m^3 (2,500 lb/yd^3)
- ○ 1200 kg/m^3 (2,000 lb/yd^3)
- ◇ 900 kg/m^3 (1,500 lb/yd^3)
- **X** Not Recommended

The above loads are in compliance with hydraulic excavator standard EN474, they do not exceed 87% of hydraulic lifting capacity or 75% of tipping capacity with front linkage fully extended at ground line with bucket curled.

Capacity based on ISO 7451.

Bucket weight with General Duty tips.

Caterpillar recommends using appropriate work tools to maximize the value customers receive from our products. Use of work tools, including buckets, which are outside of Caterpillar's recommendations or specifications for weight, dimensions, flows, pressures, etc. may result in less-than-optimal performance, including but not limited to reductions in production, stability, reliability, and component durability. Improper use of a work tool resulting in sweeping, prying, twisting and/or catching of heavy loads will reduce the life of the boom and stick.

349E L Hydraulic Excavator Specifications

349E L Bucket Specifications and Compatibility

		Width		Capacity		Weight		Fill	Mass Boom		Reach Boom (HD)	
	Linkage	mm	in	m^3	yd^3	kg	lb	%	M2.5 (8'2")	M3.0 (9'10")	R3.35 HD (11'0")	R3.9 HD (12'10")
With Center-Lock Quick Coupler												
General Duty (GDC)	TB	750	30	0.95	1.24	1311	2,889	100%			●	●
	TB	900	36	1.23	1.60	1441	3,176	100%			●	●
	TB	1050	42	1.51	1.98	1525	3,361	100%			●	●
	TB	1200	48	1.80	2.36	1676	3,694	100%			●	●
	TB	1350	54	2.10	2.74	1792	3,950	100%			◉	⊖
	TB	1500	60	2.39	3.13	1943	4,282	100%			⊖	⊖
	TB	1700	68	2.78	3.64	2128	4,690	100%			○	○
	TB	1850	74	3.08	4.04	2254	4,968	100%			○	◇
General Duty XL (GDXL)	TB	2043	80	3.82	5.00	2373	5,230	100%			◇	X
Heavy Duty (HD)	TB	900	36	1.08	1.41	1594	3,513	100%			●	●
	TB	1050	42	1.34	1.75	1684	3,712	100%			●	●
	TB	1200	48	1.60	2.09	1834	4,043	100%			●	●
	TB	1350	54	1.87	2.44	1974	4,350	100%			●	◉
	TB	1500	60	2.14	2.80	2125	4,684	100%			◉	⊖
	TB	1650	66	2.41	3.15	2286	5,039	100%			⊖	○
	TB	1800	71	2.69	3.52	2423	5,340	100%			○	◇
Severe Duty (SD)	TB	760	30	0.88	1.15	1446	3,187	90%			●	●
	TB	900	36	1.08	1.41	1677	3,696	90%			●	●
	TB	1050	42	1.34	1.75	1779	3,921	90%			●	●
	TB	1200	48	1.60	2.09	1952	4,302	90%			●	●
	TB	1400	55	1.87	2.44	2180	4,805	90%			●	◉
	TB	1550	61	2.14	2.80	2381	5,248	90%			◉	⊖
	TB	1700	67	2.41	3.16	2524	5,563	90%			⊖	○
	TB	1850	74	2.69	3.52	2726	6,008	90%			○	◇
Extreme Duty (XD)	TB	1250	49	1.60	2.09	2224	4,902	90%			●	●
	TB	1400	55	1.87	2.44	2366	5,215	90%			●	◉
Maximum load with coupler (payload + bucket)								kg			5897	5377
								lb			12,997	11,851

Maximum Material Density:

- ● 2100 kg/m^3 (3,500 lb/yd^3)
- ◉ 1800 kg/m^3 (3,000 lb/yd^3)
- ⊖ 1500 kg/m^3 (2,500 lb/yd^3)
- ○ 1200 kg/m^3 (2,000 lb/yd^3)
- ◇ 900 kg/m^3 (1,500 lb/yd^3)
- **X** Not Recommended

The above loads are in compliance with hydraulic excavator standard EN474, they do not exceed 87% of hydraulic lifting capacity or 75% of tipping capacity with front linkage fully extended at ground line with bucket curled.

Capacity based on ISO 7451.

Bucket weight with General Duty tips.

Caterpillar recommends using appropriate work tools to maximize the value customers receive from our products. Use of work tools, including buckets, which are outside of Caterpillar's recommendations or specifications for weight, dimensions, flows, pressures, etc. may result in less-than-optimal performance, including but not limited to reductions in production, stability, reliability, and component durability. Improper use of a work tool resulting in sweeping, prying, twisting and/or catching of heavy loads will reduce the life of the boom and stick.

349E L Standard Equipment

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

ENGINE
- C13 diesel engine
- Bio diesel capable
- Meets U.S. Tier 4 (Interim) emission standards
- 2300 m (7,500 ft) altitude capability
- Electric priming pump
- Automatic engine speed control
- Standard, economy and high power modes
- Two-speed travel
- Side-by-side cooling system
- Radial seal air filter
- Primary filter with water separator and water separator indicator switch
- Fuel differential indicator switch in fuel line
- 2×6 micron main filters
- 1×10 micron primary fuel line filter

HYDRAULIC SYSTEM
- Regeneration circuit for boom and stick
- Reverse swing dampening valve
- Automatic swing parking brake
- High-performance hydraulic return filter
- Capability of installing HP stackable valve and medium and QC valve
- Capability of installing additional auxiliary pump (up to 80 L/min [21 gal/min]) and circuit
- Capability of installing boom lowering control device and stick lowering check valve
- Capability of installing Cat Bio hydraulic oil

CAB
- Pressurized operator station with positive filtration
- Mirror package
- Sliding upper door window (left-hand cab door)
- Glass-breaking safety hammer
- Removable lower windshield within cab storage bracket
- Coat hook
- Beverage holder
- Literature holder
- Radio with MP3 auxiliary audio port
- Two stereo speakers
- Storage shelf suitable for lunch or toolbox
- Color LCD display with warning, filter/fluid change, and working hour information
- Adjustable armrest
- Height adjustable joystick consoles
- Neutral lever (lock out) for all controls
- Travel control pedals with removable hand levers
- Capability of installing two additional pedals
- Two power outlets, 10 amp (total)
- Laminated glass front upper window and tempered other windows

UNDERCARRIAGE
- Grease Lubricated Track GLT4
- Towing eye on base frame
- Heavy-duty track rollers
- Track motor guards

ELECTRICAL
- 80 amp alternator
- Circuit breaker
- Capability to electrically connect a beacon

LIGHTS
- Boom light
- Cab lights with time delay
- Exterior lights integrated into storage box

SECURITY
- Cat one key security system
- Door locks
- Cap locks on fuel and hydraulic tanks
- Lockable external tool/storage box
- Signaling/warning horn
- Secondary engine shutoff switch
- Openable skylight for emergency exit
- Rearview camera-ready

349E L Optional Equipment

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

ENGINE
Electric refueling pump with auto shut off
Starting kit, cold weather, –32° C (–26° F)
Jump start receptacle
Quick drains, engine and hydraulic oil

HYDRAULIC SYSTEM
Control pattern quick-changer, two way
Additional circuit
Boom and stick lines
High-pressure line
Medium-pressure line
Cat quick coupler line – high- and medium-pressure capable
Quick coupler for high pressure
Tool control system
Tool 20, Electronic Control device, (common), 1/2P, common circuit
Tool 21, Electronic Control device, 1/2P, one-way circuit
Tool 25, Electronic Control device, 1P, two-way circuit

CAB
Cab hatch emergency exit
Seat, high-back air suspension with heater and cooling
Seat, high-back air suspension with heater
Seat, high-back mechanical suspension
Sunscreen
Windshield wiper, lower with washer
AM/FM radio
Air pre-filter
Travel alarm
Left foot switch
Left pedal
Straight travel pedal

UNDERCARRIAGE
Long FIX undercarriage:
- 600 mm (24") double grouser shoes
- 750 mm (28") triple grouser shoes
- 900 mm (35") triple grouser shoes
- 600 mm (24") double grouser shoes, PPR2
- 750 mm (28") triple grouser shoes, PPR2
- 900 mm (35") triple grouser shoes, PPR2

Long VG undercarriage:
- 600 mm (24") double grouser shoes, PPR2
- 750 mm (28") triple grouser shoes, PPR2
- 900 mm (35") triple grouser shoes, PPR2

Guard, full length for long FIX and VG undercarriage
Guard, heavy-duty bottom
Center track guiding guard
Segmented (3 piece) track guiding guard for long FIX and VG undercarriage
Fabricating idler
Casting idler

COUNTERWEIGHT
8.6 mt (9.4 t) with counterweight removal device
9.0 mt (9.9 t)

FRONT LINKAGE
Bucket linkage, UB family without lifting eye
Bucket linkage, TB family with lifting eye
Heavy Duty 6.9 m (22'8") reach boom
Heavy Duty R3.9TB 3900 mm (12'10") stick
Heavy Duty R3.35TB 3350 mm (11'0") stick
Mass 6.55 m (21'6") boom
Mass M3.0UB 3000 mm (9'10") stick
Mass M2.5UB 2500 mm (8'2") stick

LIGHTS
Working lights, cab mounted with time delay
HID lights, cab mounted with time delay
Halogen boom lights
HID boom lights

SECURITY
FOGS, bolt-on
Guard, cab front, mesh
Guard, vandalism
Cat MSS (anti-theft device)
Rearview camera

TECHNOLOGY
Cat Grade Control Depth and Slope
Product Link

Notes

349E L Hydraulic Excavator

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.