349F L XE

Hydraulic Excavator

2017

Engine		
Engine Model	Cat® C13 ACERT™	
Power – SAE J1349	304 kW	408 hp
Power – ISO 14396	317 kW	425 hp

Drive		
Maximum Travel Speed	4.7 km/h	2.9 mph
Maximum Drawbar Pull	335 kN	75,300 lbf
Weights		
Minimum Weight	49 110 kg	108,300 lb
Maximum Weight	51 530 kg	113,600 lb

The 349F L XE is the latest machine from Caterpillar that will significantly lower your owning and operating costs.

Built with our proven XE technology, this excavator will cut your fuel consumption by up to 15% compared to our standard 349F – a market leader in and of itself for high efficiency.

Unlike models from other manufacturers, the 349F L XE is loaded with productivity boosting technology that will help improve your bottom line even more. Technologies like the new Cat Production Measurement Payload system, Cat Grade 3D and Cat Grade Assist, and Product Link™ come standard on this machine – all to help you easily do work more quickly and efficiently.

So if you are looking for the absolute maximum level of productivity and efficiency from a 49-ton machine, look no further than the 349F L XE.

Contents


CAT
349F
L XE

Equipping Every Customer for Success

Building products just for you and your type of work

Understanding your needs and requirements leads us to developing innovative products – products that help you win in a competitive environment.

The 349F L XE is the latest example of such an innovative product. This excavator is built for those of you looking for the highest level of productivity because you get paid by the job (or unit of work). When you see XE on a Cat machine, you can count on it being the most technologically advanced, fuel-efficient machine capable of working in all applications and material types.

Caterpillar also offers a traditional 349F model. This machine is built for those of you who also get paid by the job (or unit of work) and are looking for a high level of productivity. Even though it isn't equipped with all the technology of the 349F L XE, it still provides excellent fuel efficiency and productivity as compared to competitive offerings.

So when you think of XE, think of the following attributes:

- Reliable, durable, and rebuildable
- Low cost per unit of work
- Breakthrough and innovative
- Maximum efficiency

When you think of our traditional model, think of these attributes:

- Reliable, durable, and rebuildable
- Low cost per unit of work
- Proven
- Highly efficient

No matter which Cat model you choose, you can depend on it being a quality-made machine backed by the world's finest product support.

Cat XE Technology

The more it works, the more you save.

Up to

15%

less fuel consumption than 349F – the fuel economy and performance leader in its size class

Our Smart Valve Is Smart for You

The 349F L XE's hydraulic hybrid system is unlike hybrid systems available from any other heavy equipment manufacturer in business today. The key ingredient is the ACS valve, which you can find only on the Cat brand.

Think of the ACS valve as the "brain" of the system – one that independently controls machine functions and directs hydraulic energy where you need it precisely when you need it. Because the ACS valve is fully integrated with the pump and hybrid system, you will experience the same extraordinary control, hydraulic power, and lift capacity that you get from our traditional high-production machines with the added benefit of dramatically reduced fuel consumption. That's why we are now offering the valve on our larger machines like the 374F and 390F.

Smart valve. Smart machine. Simply a smart investment for your business.

The 349F L XE uses three building block technologies to deliver outstanding fuel savings and performance for you:

- The Cat Electronic Standardized Programmable (ESP) pump smoothly transitions between the hydraulic hybrid power sources, engine, and accumulator to conserve fuel.
- The Cat Adaptive Control System (ACS) valve optimizes performance by intelligently managing restrictions and flows to control machine motion.
- Instead of wasting kinetic energy during swing braking, the Cat Hydraulic Hybrid Swing System pressurizes the accumulator to stop the machine and then uses that pressure when needed to accelerate the machine later.

The hydraulic hybrid system is a simple, reliable, and cost-effective solution that will help you significantly reduce your cost per ton.

Reliable and Productive

Power to move your material with speed and precision

Hydraulic Horsepower, a Cat Advantage

When it comes to moving heavy material quickly and efficiently, you need hydraulic horsepower – the type of ground-breaking power the 349F L XE can deliver. Major hydraulic components like pumps and valves are located close together so shorter tubes and lines can be used. This design leads to less friction loss, reduced pressure drops, and more power to the ground for the work you need to get done.

The 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.

Control Like No Other

Controllability is one of the main attributes of Cat excavators, and one of the key contributors to this is the main control valve. The valve opens slowly when your range of joystick lever movement is small and opens rapidly when movement is high. It puts flow where you need it when you need it, which leads to smoother operation, greater efficiency, and lower fuel consumption.

Auxiliary Hydraulics for Added Versatility

Auxiliary hydraulics give you greater tool versatility so you can take on more work with just one machine, and there are several options from which you can choose. A quick coupler circuit, for example, allows you to switch from one tool to another in a matter of minutes.

Fuel Efficient

Engineered to lower your operating costs

Proven Technology

The right technologies fine-tuned for the right applications result in:

- **Improved Fuel Efficiency** over Tier 4 Interim/ Stage IIIB products.
- **Enhanced Reliability** through commonality and simplicity of design.
- **Maximized Uptime and Reduced Cost** with world-class support from the Cat dealer network.
- **Minimized Impact on Emission Systems** – designed to be transparent to the operator without requiring interaction.
- **Durable Design** with long life to overhaul.
- **Delivering Better Fuel Economy** with minimized maintenance costs while providing the same great power and response.

The Cat C13 ACERT engine meets U.S. EPA Tier 4 Final and EU Stage IV emission standards and it does so without interrupting your job process. Simply turn the engine on and go to work. It will look for opportunities in your work cycle to regenerate itself, and it will give you plenty of power for the task at hand – all to help keep your owning and operating costs to an absolute minimum.

A Smart Design for Any Temperature

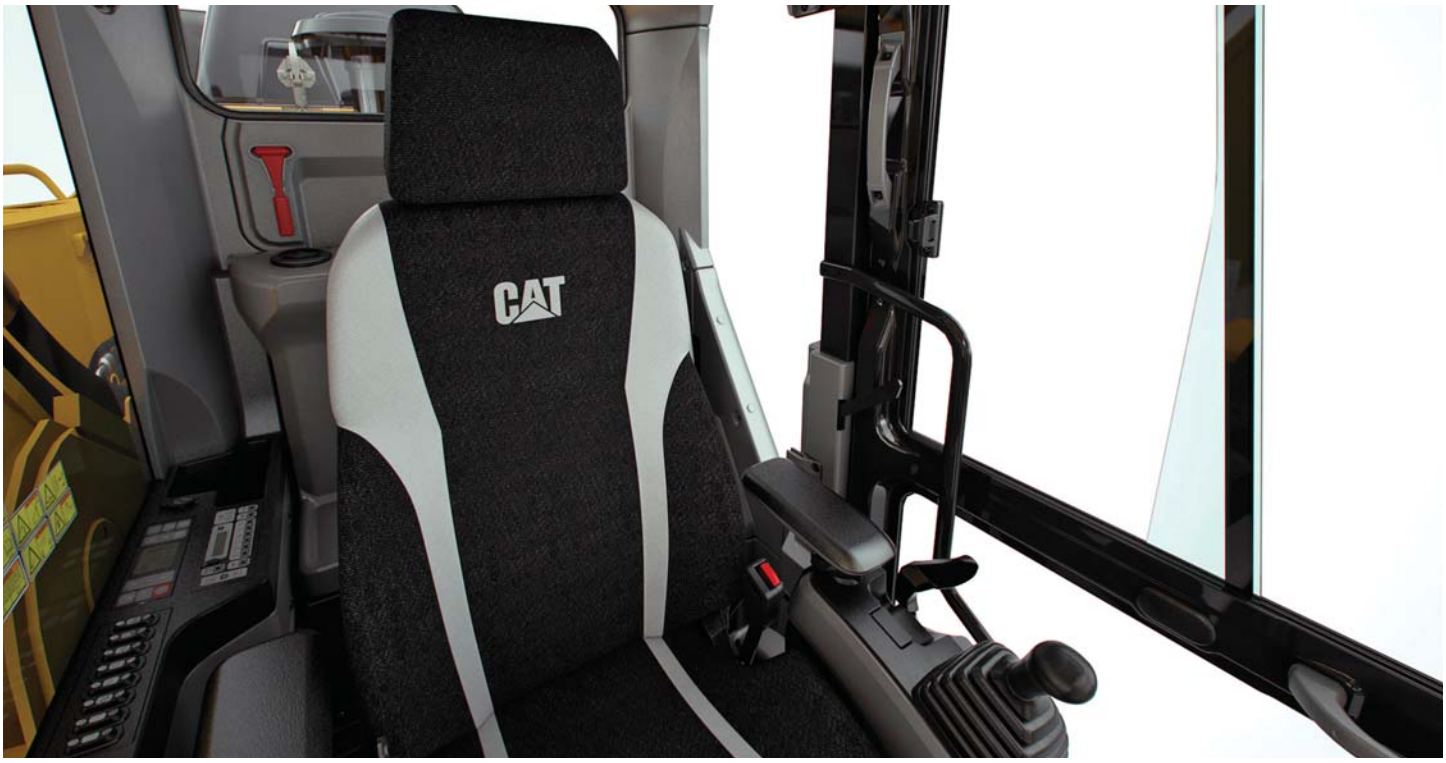
The 349F L XE features a side-by-side cooling system that allows you to put the machine to work in extremely hot and cold conditions. The system is completely separated from the engine compartment to reduce noise and heat. Plus it features easy-to-clean cores and a new variable-speed fan that reverses to blow out unwanted debris that may accumulate during your work day.

Biodiesel Not a Problem

The C13 ACERT engine can run on biodiesel fuel up to B20 blended with ULSD. Just fill it up and go.

Easy to Operate

Comfort and convenience to keep you productive all day long



Safe and Quiet Cab

The cab contributes to your comfort thanks to special viscous mounts and special roof lining and sealing, that limit vibration and unnecessary sound.

Operators will enjoy the quietness and comfort of the all-new cab.

Excellent Ergonomics

Wide seats with air suspension and heat/cooling options, include a reclining back, upper and lower slide adjustments, and height and tilt angle adjustments to meet your needs for maximum comfort.

The fully automatic climate control system keeps operators comfortable and productive all day long in either hot or cold weather.

Storage spaces are located in the front, rear, and side consoles of the cab. A drink holder accommodates a large mug, and a shelf behind the seat stores large lunch or toolboxes.

Power supply sockets are available for charging your electronic devices like an MP3 player, a cell phone, or even a tablet.

Controls Just for You

The right and left joystick consoles can be adjusted to improve your comfort and productivity during the course of a day. The right joystick features a button that will reduce engine speed when you are not working to help save fuel. Touch it once and speed reduces; touch it again and speed increases for normal operation.

Easy to Navigate Monitor

The new LCD monitor is easy to see and navigate. Not only can it memorize up to 10 different work tools, it's also programmable in up to 44 languages to meet today's diverse workforce. The monitor clearly displays critical information you need to operate efficiently and effectively. Plus it projects the image from the rearview camera to help you see what's going on around you so you can stay safely focused on the job at hand.

Durable Structures

Made to work in your tough, heavy-duty applications

Stable Undercarriage

The 349F Long and FIX undercarriage contributes significantly to outstanding stability and durability.

Track shoes, links, rollers, idlers, and final drives are all built with high-tensile strength steel for long-term durability.

Cat Grease Lubricated Track 4 (GLT4) track link protects moving parts by keeping water, debris, and dust out and grease sealed in, which delivers longer wear life and reduced noise when traveling.

Optional guide guards help maintain track alignment to improve the machine's overall performance – whether you're traveling on a flat, heavy bed of rock or a steep, wet field of mud.

Robust Frames

You can expect excellent quality, reliability, and durability with the 349F L XE. The machine's lower and upper frames are built to handle a hard day's work over and over again.

Great Weight

The counterweight is built with thick steel plates and reinforced fabrications to make it less susceptible to damage, designed with curved surfaces that match the machine's sleek, smooth appearance along with integrated housings to help protect the rearview camera. The optional counterweight with removable device is available.*

*For AmN only.

Durable Linkages

Options to take on your far-reaching or up-close tasks

Booms and Sticks for Any Job

The 349F L XE is offered with a range of booms and sticks. Each is built with internal baffle plates and is 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.

The Reach boom and sticks offer you excellent all-around versatility for general excavations work like multipurpose digging and loading.

The Mass* boom and sticks offer you enhanced performance in heavy-duty material like rock. They provide higher digging forces due to special boom and stick geometry, and bucket linkage and cylinders are built for greater durability.

*For ANZ only.

Pins

All front linkage pins have thick chrome plating, giving them high wear resistance. Each pin diameter is made to distribute the shear and bending loads associated with the stick and to help ensure long pin, boom and stick life.

Talk to your Cat dealer to pick the best front linkage for your applications.

Versatile

Do more jobs with one machine

Get the Most from One Machine

The Cat combination of machine and tool provides a total solution for just about any application. Work tools can be mounted either directly to the machine or to a quick coupler, making it fast and easy to release one work tool and pick up another.

Change Jobs Quickly

Cat quick coupler brings the ability to quickly change attachments and switch from job to job. The Cat coupler is the secure way to decrease downtime and increase job site flexibility and overall productivity.

Available tool control remembers pressures and flows for up to 10 tools. Simply toggle through the monitor, select the tool, and go to work for maximum efficiency.

Dig, Rip and Load

A wide range of buckets dig everything from basic top soil to extreme, harsh material like ore and high quartzite granite. Rip through rock as an alternative to blasting in quarries. High-capacity buckets load trucks in a minimum number of passes for maximum productivity.

Break, Demolish and Scrap

A hydraulic hammer ably equips your machine for breaking rock in quarries. It will also make taking down bridge pillars and heavily reinforced concrete on road demolition jobs no problem.

Multi-processor and pulverizer attachments make your machine ideal for demolition jobs and processing the resulting debris.

Shears with 360° rotation mount to the machine for processing scrap steel and metal.

Move and Handle

Add a thumb and you have the ability to move and handle brush, rocks, and debris. For constant material handling, a grapple is your solution. Choose from three different styles for picking, sorting, and loading trash, demolition debris, or recyclables.

Set Up Your Machine for Profitability

Your Cat dealer can install hydraulic kits to properly operate all Cat Work Tool attachments, maximizing the machine's uptime and your profit. All Cat Work Tool attachments are supported by the same Cat dealer network as your Cat machine.

GRAB, SORT, LOAD

Pro Series Hydraulic Thumbs

Stiff Link Thumbs

Demolition & Sorting Grapple

Contractors' Grapples

Trash Grapples

SWAP TOOLS

Pin Grabber Coupler

DIG & PACK

General Duty Buckets

Heavy Duty Buckets

Severe Duty Buckets

Extreme Duty Buckets

CUT, CRUSH, BREAK & RIP

Multi-Processors

Scrap & Demolition Shears

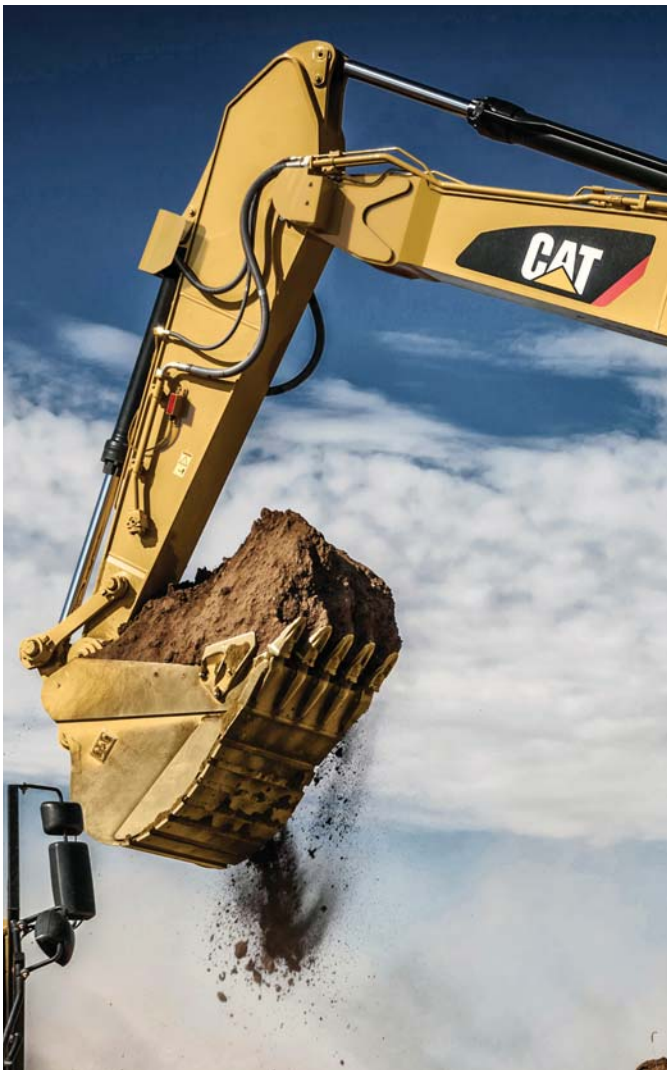
Secondary Pulverizers

Hydraulic Hammers

Rippers

Cat Connect Technologies

Monitor, manage, and enhance job site operations



Cat Connect makes smart use of technology and services to improve your job site efficiency. Using the data from technology-equipped machines, you'll get more information and insight into your equipment and operations than ever before.

Cat Connect technologies offer improvements in these key areas:

EQUIPMENT MANAGEMENT

Equipment Management – increase uptime and reduce operating costs.

PRODUCTIVITY

Productivity – monitor production and manage job site efficiency.

SAFETY

Safety – enhance job site awareness to keep your people and equipment safe.

PAYLOAD Technologies

Payload technologies accurately measure material being loaded or hauled. Payload data is shared with operators in real time to improve productivity, reduce overloading, and record progress.

Cat Production Measurement

Cat Production Measurement brings payload weighing to the cab, enabling operators to weigh loads "on the go." Loads are weighed as the boom swings with no interruptions in the loading cycle, improving loading speed and efficiency. Operators can view load weights on the integrated display and know precisely how much material is in the bucket and when trucks are filled to target payload. Instant feedback gives operators the confidence to work more effectively, maximizing the potential of the entire fleet. Site managers can wirelessly access data via the VisionLink® web portal to measure production and monitor efficiency.

GRADE Technologies

Grade technologies combine digital design data and in-cab guidance to help you reach target grade quickly and accurately, with minimal staking and checking. That means you'll be more productive, complete jobs faster in fewer passes using less fuel at a lower cost.

Cat Grade with Assist

Cat Grade with Assist ensures you can dig a level base with the right slope each and every time; now it works with tilt buckets to give you even greater versatility. With a touch of a button, the simple-to-use system automates boom and bucket movements typically done by the operator. Regardless of your experience or skill, you will be able to reach target grade up to 45% faster than with traditional grading techniques.

Cat Grade 3D

Cat Grade 3D is perfect for complex excavating projects that require precise cuts and contours. The 254 mm (10 in) color monitor shows you exactly where to work and how much to cut or fill without stacking or grade checking, delivering accuracy within 30 mm (1.18 in). Factory integration of most key components reduces field installation time and labor cost, making the system less costly for you compared to other options. Plus reliability is enhanced because built-in components are protected from damage, ensuring longer service life and more accurate results.

LINK Technologies

LINK technologies, like Product Link™, are deeply integrated into your machine and wirelessly communicates key information, including location, hours, fuel usage, idle time and event codes.

Product Link/VisionLink

Easy access to Product Link data via the online VisionLink user interface can help you see how your machine or fleet is performing. You can use this information to make timely, fact based decisions that can boost job site efficiency and productivity, and lower costs.

Safe Work Environment

Features to help protect you day in and day out

Secure Contact Points

Multiple large steps as well as hand and guard rails will get you into the cab as well as a leg up to the compartments.

Extended hand and guard rails allow you to safely climb to the upper deck. Anti-skid plates on the surface of the upper structure, and the top of the storage box area, reduce your slipping hazards in all types of weather conditions. They can be removed for cleaning.

Great Views

The new rearview camera greatly enhances visibility behind the machine to help the operator work more productively. A panoramic rearview is automatically displayed on the new multi-function monitor during reverse travel. As an option, a second display can be added, providing a dedicated full-time rearview of the job site.

Smart Lighting

Halogen lights provide plenty of illumination. Cab and boom lights can be programmed to stay on for up to 90 seconds after the engine has been turned off to help you safely exit the machine. Optional High Intensity Discharge (HID) lights are available for enhanced night-time visibility.

A Safe and Quiet Cab

The ROPS-certified cab provides you with a safe working environment. It also contributes to your comfort because it's attached to a reinforced frame with special viscous mounts that limit vibration and unnecessary sound. Add in special roof lining and sealing and you have a cab that's as quiet inside as any of today's highway trucks.

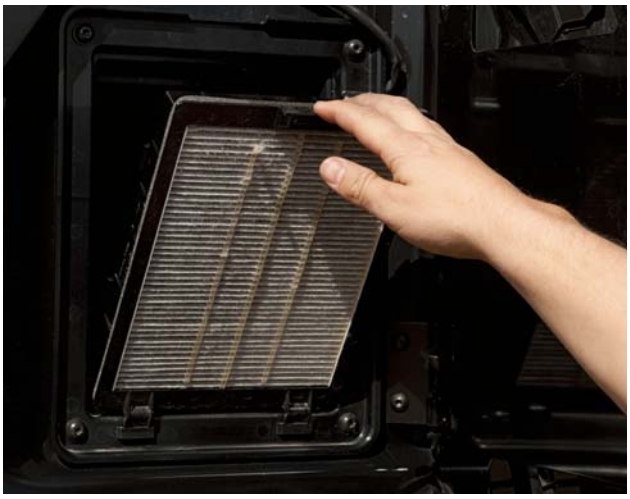
Optional Falling Object Guards (FOGS) further protect you from debris coming to the cab.

Ground-Level Access

You can reach most routine maintenance items like fuel and oil filters, fluid taps, and grease points from the safety and convenience of ground level. Not only do compartments feature wide service doors designed to help prevent debris entry, but they also securely latch in place to help make your service work simpler.

Serviceable

Designed to make your maintenance quick and easy



A Fresh Idea

When you select ventilation inside the cab, outside air enters through the fresh air filter. The filter is conveniently located on the side of the cab to make it easy to reach and replace, and it is protected by a lockable door that can be opened with the engine key.

Quick and Convenient Fluids Service

S·O·S℠ oil sample and pressure ports provide easy checking of machine condition and are standard on every machine.

You can ensure fast, easy, and secure changing of engine and hydraulic oil with the QuickEvac™ option.

The fuel tank's drain cock makes it easy and simple for you to remove water and sediment during routine maintenance. Plus an integrated fuel level indicator pops up to help you reduce the possibility of fuel tank overfilling. An optional fast fill port accessible from ground level can make refueling even easier and faster.

A Smart Cooling Design

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

Sustainable

Generations ahead in every way

The 349F L XE is designed to compliment your business plan, reduce emissions and minimize the consumption of natural resources.

- The 349F L XE moves as much material as a standard 349F yet burns up to 15% less fuel. This means more efficiency and productivity for you with less resource consumption.
- The C13 ACERT engine meets Tier 4 Final/Stage IV emission standards.
- The machine has the flexibility of running on either ultra-low-sulfur diesel fuel (ULSD, with 15 ppm EPA/10 ppm EU of sulfur or less) or biodiesel fuel up to B20 blended with ULSD.
- An overfill indicator rises when the tank is full to help the operator avoid spilling.
- Quick fill ports with connectors ensure fast, easy, and secure changing of hydraulic oil.
- Major components are rebuildable, eliminating waste and saving money by giving the machine and/or major components a second life – and even a third life.
- LINK technologies enable you to collect and analyze equipment and job site data so you can maximize productivity and reduce costs.
- The 349F L XE is an efficient, productive machine that's designed to conserve our natural resources for generations ahead.

Complete Customer Care

Unmatched support makes the difference

Worldwide Parts Availability

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

Financial Options Just for You

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.

What's Best for You Today…and Tomorrow

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

Engine

Engine Model	Cat C13 ACERT	
Power – SAE J1995	322 kW	432 hp
Power – ISO 14396	317 kW	425 hp
Power – SAE J1349	304 kW	408 hp
Bore	130 mm	5.12 in
Stroke	157 mm	6.18 in
Displacement	12.5 L	763 in^3

Hydraulic System

Maximum Flow (total)		
Main System	750 L/min	198 gal/min
Swing System	375 L/min	99 gal/min
Pilot System	26 L/min	6.9 gal/min
Maximum Pressure		
Equipment	35 000 kPa	5,080 psi
Equipment (heavy lift mode)	38 000 kPa	5,510 psi
Travel	35 000 kPa	5,080 psi
Swing	27 500 kPa	3,990 psi
Pilot System	4120 kPa	598 psi
Boom Cylinder		
Bore	170 mm	6.69 in
Stroke	1524 mm	60.00 in
Stick Cylinder		
Bore	190 mm	7.48 in
Stroke	1758 mm	69.21 in
TB Family Bucket Cylinder		
Bore	160 mm	6.30 in
Stroke	1356 mm	53.39 in

Drive

Gradeability	30°/70%	
Maximum Travel Speed	4.7 km/h	2.9 mph
Maximum Drawbar Pull	335 kN	75,300 lbf

Swing

Swing Speed	8.5 rpm	
Swing Torque	148.5 kN·m	109,500 lbf-ft
Maximum Swing Torque	221 kN·m	163,000 lbf-ft

Service Refill Capacities

Fuel Tank Capacity	720 L	190 gal
Cooling System	50 L	13.2 gal
Engine Oil (with filter)	38 L	10 gal
Swing Drive (each)	10 L	2.6 gal
Final Drive (each)	15 L	4.0 gal
Hydraulic System (including tank)	570 L	151 gal
Hydraulic Tank	407 L	108 gal
DEF Tank	41 L	10.8 gal

Track

Number of Shoes (each side)	52
Number of Track Rollers (each side)	9
Number of Carrier Rollers (each side)	2

Sound Performance

Interior – ISO 6396	69 dB(A)
Exterior – ISO 6395	106 dB(A)

- 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.

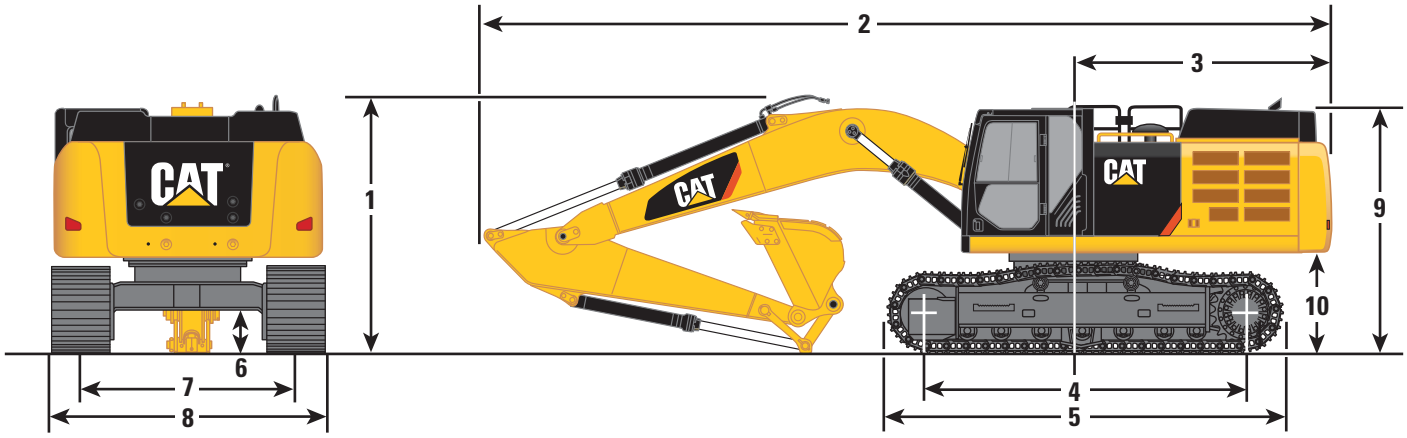
Standards

Brakes	ISO 10265:2008
Cab/FOGS	SAE J1356/FEB88 ISO 10262:2008
Cab/ROPS	ISO 12117-2:2008
DEF	ISO 22241

349F L XE Hydraulic Excavator Specifications

Dimensions

All dimensions are approximate.

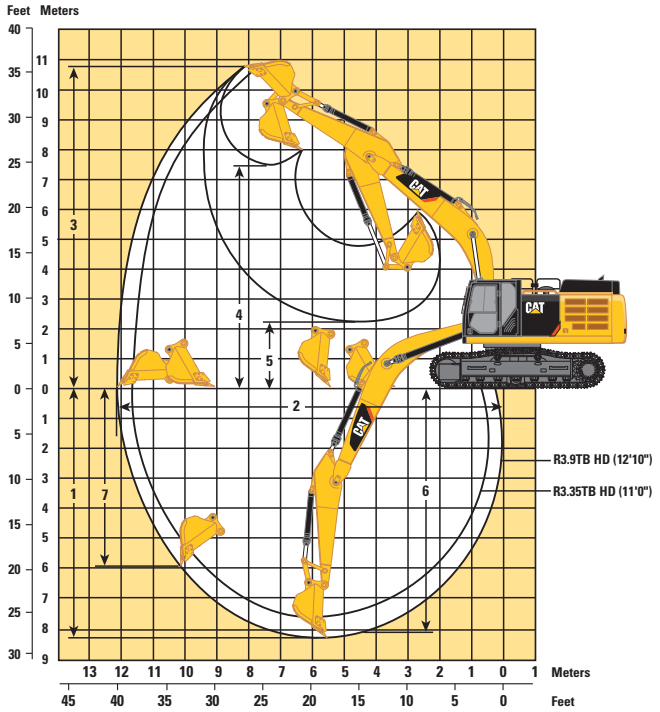


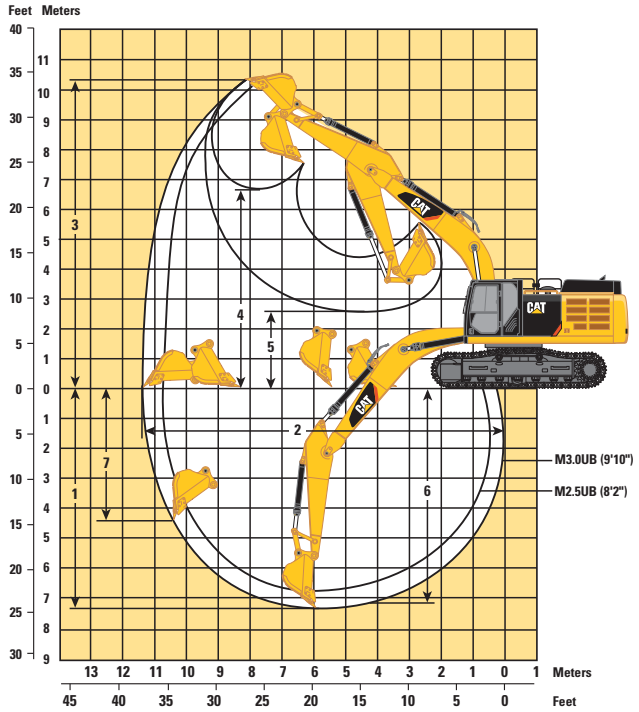
Boom Option	Reach Boom 6.9 m (22'8")				Mass Boom 6.55 m (21'6")			
Stick Options	**R3.9TB HD (12'10")**		**R3.35TB HD (11'0")**		**M3.0UB** (9'10")**		**M2.5UB** (8'2")**	
1 Shipping Height to Boom	3670 mm	12'0"	3730 mm	12'3"	4020 mm	13'2"	3980 mm	13'1"
Shipping Height with Handrail	3370 mm	11'1"	3370 mm	11'1"	3370 mm	11'1"	3370 mm	11'1"
2 Shipping Length	11 930 mm	39'2"	11 920 mm	39'1"	11 590 mm	38'0"	11 680 mm	38'4"
3 Tail Swing Radius	3760 mm	12'4"	3760 mm	12'4"	3760 mm	12'4"	3760 mm	12'4"
4 Length to Center of Rollers	4360 mm	14'4"	4360 mm	14'4"	4360 mm	14'4"	4360 mm	14'4"
5 Track Length	5370 mm	17'7"	5370 mm	17'7"	5370 mm	17'7"	5370 mm	17'7"
6 Ground Clearance								
Including Shoe Lug Height	480 mm	1'7"	480 mm	1'7"	480 mm	1'7"	480 mm	1'7"
Not Including Shoe Lug Height	510 mm	1'8"	510 mm	1'8"	510 mm	1'8"	510 mm	1'8"
7 Track Gauge	2740 mm	9'0"	2740 mm	9'0"	2740 mm	9'0"	2740 mm	9'0"
8 Transport Width								
600 mm (24") Shoes	3340 mm	10'11"	3340 mm	10'11"	3340 mm	10'11"	3340 mm	10'11"
750 mm (28") Shoes	3490 mm	11'5"	3490 mm	11'5"	3490 mm	11'5"	3490 mm	11'5"
900 mm (35") Shoes	3640 mm	11'11"	3640 mm	11'11"	3640 mm	11'11"	3640 mm	11'11"
9 Cab Height	3220 mm	10'7"	3220 mm	10'7"	3220 mm	10'7"	3220 mm	10'7"
Cab Height with Top Guard	3390 mm	11'1"	3390 mm	11'1"	3390 mm	11'1"	3390 mm	11'1"
10 Counterweight Clearance*	1280 mm	4'2"	1280 mm	4'2"	1280 mm	4'2"	1280 mm	4'2"
Bucket Type	GD		GD		HD		HD	
Bucket Capacity	3.1 m^3	4.05 yd^3	3.1 m^3	4.05 yd^3	3.2 m^3	4.2 yd^3	3.2 m^3	4.2 yd^3
Bucket Tip Radius	1866 mm	6'1"	1866 mm	6'1"	2046 mm	6'8"	2046 mm	6'8"

*Without shoe lug height.
**For ANZ only.
Dimensions may vary depending on bucket selection.

Working Ranges

All dimensions are approximate.





Boom Option	Reach Boom 6.9 m (22'8")				Mass Boom 6.55 m (21'6")			
Stick Options	**R3.9TB HD (12'10")**		**R3.35TB HD (11'0")**		**M3.0UB* (9'10")**		**M2.5UB* (8'2")**	
1 Maximum Digging Depth	8210 mm	26'11"	7660 mm	25'2"	7310 mm	24'0"	6810 mm	22'4"
2 Maximum Reach at Ground Level	12 150 mm	39'10"	11 730 mm	38'6"	11 270 mm	37'0"	10 810 mm	35'6"
3 Maximum Cutting Height	10 730 mm	35'2"	10 820 mm	35'6"	10 290 mm	33'9"	10 090 mm	33'1"
4 Maximum Loading Height	7420 mm	24'4"	7430 mm	24'5"	6740 mm	22'1"	6550 mm	22'6"
5 Minimum Loading Height	2200 mm	7'3"	2750 mm	9'0"	2570 mm	8'5"	3070 mm	10'1"
6 Maximum Depth Cut for 2440 mm (8'0") Level Bottom	8080 mm	26'6"	7520 mm	24'8"	7160 mm	23'6"	6640 mm	21'9"
7 Maximum Vertical Wall Digging Depth	5960 mm	19'7"	5830 mm	19'2"	4430 mm	14'6"	4000 mm	13'0"
Bucket Type	GD		GD		HD		HD	
Bucket Capacity	3.1 m^3	4.05 yd^3	3.1 m^3	4.05 yd^3	3.2 m^3	4.2 yd^3	3.2 m^3	4.2 yd^3
Bucket Tip Radius	1866 mm	6'1"	1866 mm	6'1"	2046 mm	6'8"	2046 mm	6'8"

*For ANZ only.

Dimensions may vary depending on bucket selection.

349F L XE Hydraulic Excavator Specifications

Operating Weights and Ground Pressures

	900 mm (35") Triple Grouser Shoes		750 mm (28") Triple Grouser Shoes		600 mm (24") Double Grouser Shoes	
	kg (lb)	kPa (psi)	kg (lb)	kPa (psi)	kg (lb)	kPa (psi)
Long FIX Undercarriage						
Reach Boom – 6.9 m (22'8")						
R3.9TB HD (12'10")	50 730 (111,800)	59 (8.6)	49 980 (109,700)	69 (10.0)	49 330 (108,800)	86 (12.5)
R3.35TB HD (11'0")	50 510 (111,400)	58 (8.4)	49 760 (109,700)	69 (10.0)	49 110 (108,300)	85 (12.3)
HD Mass Boom – 6.55 m (21'6")*						
M3.0UB HD (9'10")	51 530 (113,600)	60 (8.7)	50 780 (112,000)	70 (10.2)	50 130 (110,500)	87 (12.6)
M2.5UB HD (8'2")	51 320 (113,100)	59 (8.6)	50 570 (111,500)	70 (10.2)	49 920 (110,100)	87 (12.6)

*For ANZ only.

Major Component Weights

	kg	lb
Base Machine (with boom cylinder, without counterweight, front linkage and track)		
Long FIX Undercarriage	25 260	55,700
Counterweight		
9.0 mt (9.9 t)	9000	19,800
8.6 mt (9.4 t) – with Removal Device	8600	19,000
Boom (includes lines, pins and stick cylinder)		
Reach Boom – 6.9 m (22'8")	4630	10,200
Mass Boom – 6.55 m (21'6")*	4860	10,700
Stick (includes lines, pins, bucket linkage and bucket cylinder)		
R3.9TB HD (12'10")	2760	6,100
R3.35TB HD (11'0")	2540	5,600
M3.0UB HD (9'10")*	2930	6,500
M2.5UB HD (8'2")*	2720	6,000
Track Shoes (per two tracks)		
600 mm (24") double grouser	5240	11,600
750 mm (28") single grouser	5950	13,100
750 mm (28") triple grouser	5890	13,000
900 mm (35") triple grouser	6640	14,600
Buckets		
TB1880GD – 3.10 m^3 (4.05 yd^3)	2440	5,400
UB1850HD – 3.2 m^3 (4.2 yd^3)*	2840	6,300

*For ANZ only.

All weights are rounded up to nearest 10 kg and lb except for buckets. Kg and lb were rounded up separately so some of the kg and lb do not match.

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

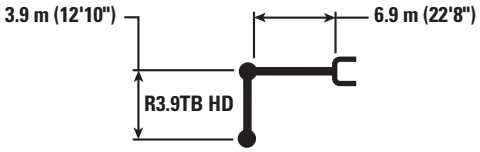
Bucket and Stick Forces

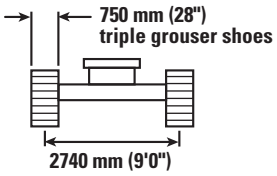
Boom Option	Reach Boom 6.9 m (22'8")				Mass Boom* 6.55 m (21'6")			
Stick Options	**R3.9TB HD (12'10")**		**R3.35TB HD (11'0")**		**M3.0UB (9'10")**		**M2.5UB (8'2")**	
TB Linkage								
General Duty Capacity								
Bucket Digging Force (ISO)	268 kN	60,250 lbf	268 kN	60,250 lbf				
Stick Digging Force (ISO)	183 kN	41,140 lbf	199 kN	44,740 lbf				
Bucket Digging Force (SAE)	236 kN	53,050 lbf	236 kN	53,050 lbf				
Stick Digging Force (SAE)	177 kN	39,790 lbf	193 kN	43,390 lbf				
Heavy Duty								
Bucket Digging Force (ISO)	268 kN	60,250 lbf	268 kN	60,250 lbf				
Stick Digging Force (ISO)	184 kN	41,360 lbf	201 kN	45,190 lbf				
Bucket Digging Force (SAE)	235 kN	52,830 lbf	235 kN	52,830 lbf				
Stick Digging Force (SAE)	179 kN	40,240 lbf	195 kN	43,840 lbf				
Severe Duty								
Bucket Digging Force (ISO)	266 kN	59,800 lbf	266 kN	59,800 lbf				
Stick Digging Force (ISO)	184 kN	41,360 lbf	200 kN	44,960 lbf				
Bucket Digging Force (SAE)	229 kN	51,480 lbf	229 kN	51,480 lbf				
Stick Digging Force (SAE)	178 kN	40,020 lbf	193 kN	43,390 lbf				
Extreme Duty								
Bucket Digging Force (ISO)	266 kN	59,800 lbf	266 kN	59,800 lbf				
Stick Digging Force (ISO)	184 kN	41,360 lbf	200 kN	44,960 lbf				
Bucket Digging Force (SAE)	229 kN	51,480 lbf	229 kN	51,480 lbf				
Stick Digging Force (SAE)	178 kN	40,020 lbf	193 kN	43,390 lbf				
UB Linkage								
Heavy Duty								
Bucket Digging Force (ISO)					296 kN	66,540 lbf	296 kN	66,540 lbf
Stick Digging Force (ISO)					212 kN	47,660 lbf	241 kN	54,180 lbf
Bucket Digging Force (SAE)					258 kN	58,000 lbf	258 kN	58,000 lbf
Stick Digging Force (SAE)					205 kN	46,090 lbf	231 kN	51,930 lbf
Severe Duty								
Bucket Digging Force (ISO)					290 kN	65,190 lbf	290 kN	65,190 lbf
Stick Digging Force (ISO)					211 kN	47,430 lbf	239 kN	53,730 lbf
Bucket Digging Force (SAE)					252 kN	56,650 lbf	252 kN	56,650 lbf
Stick Digging Force (SAE)					203 kN	45,640 lbf	229 kN	51,480 lbf

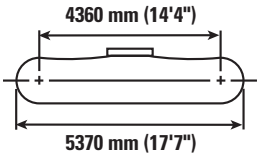
*For ANZ only.

349F L XE Hydraulic Excavator Specifications

Reach Boom Lift Capacities – Counterweight: 9.0 mt (9.9 t) – Heavy Lift: On







		1500 mm (60 in)		3000 mm (120 in)		4500 mm (180 in)		6000 mm (240 in)		7500 mm (300 in)		9000 mm (360 in)				
																mm in
9000 mm **360 in**	kg **lb**									***18,700**	***18,700**			*7900 ***17,500**	*7900 ***17,500**	7860 **310**
7500 mm **300 in**	kg **lb**													*7550 ***16,600**	*7550 ***16,600**	8970 **350**
6000 mm **240 in**	kg **lb**									*11 650 ***25,350**	11 400 **24,500**	*11 050 ***22,950**	8450 **18,150**	*7450 ***16,400**	7400 ***16,400**	9720 **380**
4500 mm **180 in**	kg **lb**							*14 800 ***32,050**	*14 800 ***32,050**	*12 800 ***27,750**	10 950 **23,600**	*11 550 ***25,250**	8250 **17,700**	*7600 ***16,650**	6700 **14,800**	10 190 **400**
3000 mm **120 in**	kg **lb**					*23 750 ***51,000**	22 050 **47,550**	*17 300 ***37,400**	14 450 **31,200**	*14 150 ***30,650**	10 450 **22,550**	*12 300 ***26,750**	7950 **17,150**	*7900 ***17,400**	6300 **13,900**	10 420 **410**
1500 mm **60 in**	kg **lb**					*25 800 ***59,100**	20 500 **44,150**	*19 450 ***42,050**	13 650 **29,400**	*15 400 ***33,350**	10 000 **21,500**	12 400 **26,650**	7700 **16,550**	*8500 ***18,700**	6150 **13,600**	10 430 **410**
0 mm **0 in**	kg **lb**					*23 800 ***55,050**	19 800 **42,550**	*20 700 ***44,850**	13 100 **28,200**	15 900 **34,250**	9650 **20,750**	12 150 **26,150**	7500 **16,100**	*9400 ***20,700**	6250 **13,750**	10 220 **410**
–1500 mm **–60 in**	kg **lb**			*15 300 ***34,450**	*15 300 ***34,450**	*28 150 ***61,050**	19 550 **42,050**	*20 950 ***45,350**	12 800 **27,600**	15 700 **33,750**	9400 **20,300**	12 050 **25,900**	7350 **15,850**	10 750 **23,650**	6600 **14,550**	9770 **390**
–3000 mm **–120 in**	kg **lb**	***38,550**	***38,550**	*22 300 ***50,350**	*22 300 ***50,350**	*26 350 ***57,100**	19 650 **42,250**	*20 050 ***43,400**	12 800 **27,550**	15 650 **33,650**	9400 **20,200**	12 050	7400	12 000 **26,500**	7350 **16,200**	9050 **360**
–4500 mm **–180 in**	kg **lb**			*30 900 ***66,650**	*30 900 ***66,650**	*23 050 ***49,700**	19 950 **42,950**	*17 800 ***38,300**	12 950 **27,950**	*13 750 ***29,250**	9550 **20,600**			*12 450 ***27,450**	8850 **19,650**	7980 **320**
–6000 mm **–240 in**	kg **lb**					*17 400 ***36,750**	*17 400 ***36,750**	*13 100 ***27,200**	*13 100 ***27,200**					*11 950 ***26,150**	*11 950 ***26,150**	6380 **250**

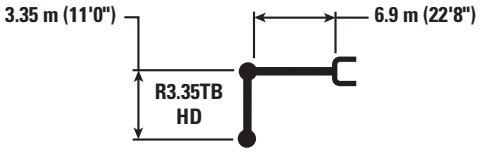
* **ISO 10567**

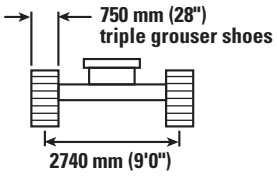
*Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories 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.

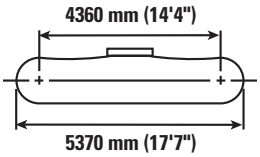
Lift capacity stays with ±5% for all available track shoes.

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

Reach Boom Lift Capacities – Counterweight: 9.0 mt (9.9 t) – Heavy Lift: On







		3000 mm (120 in)		4500 mm (180 in)		6000 mm (240 in)		7500 mm (300 in)		9000 mm (360 in)				
														mm in
9000 mm 360 in	kg lb											*9050 *20,050	*9050 *20,050	7300 290
7500 mm 300 in	kg lb							*11 950 *26,250	11 500 24,700			*8500 *18,750	*8500 *18,750	8480 330
6000 mm 240 in	kg lb							*12 500 *27,300	11 300 24,250	*10 750 *20,250	8400 17,950	*8350 *18,350	7950 17,650	9270 370
4500 mm 180 in	kg lb			*20 750 *44,500	*20 750 *44,500	*16 000 *34,600	15 200 32,800	*13 600 *29,550	10 900 23,450	*12 250 *26,700	8200 17,650	*8450 *18,550	7200 15,850	9770 390
3000 mm 120 in	kg lb			*25 750 *55,300	21 550 46,550	*18 400 *39,700	14 350 30,900	*14 850 *32,250	10 400 22,450	12 700 27,300	7950 17,150	*8800 *19,300	6750 14,900	10 010 400
1500 mm 60 in	kg lb			*18 600 *44,500	*18 600 43,850	*20 250 *43,800	13 600 29,350	*15 950 *34,600	10 000 21,550	12 450 26,750	7750 16,650	*9400 *20,700	6600 14,600	10 020 400
0 mm 0 in	kg lb			*20 950 *48,650	19 900 42,850	*21 150 *45,800	13 150 28,400	16 000 34,400	9700 20,950	12 250 26,350	7550 16,300	*10 400 *22,900	6750 14,850	9800 390
–1500 mm –60 in	kg lb	*14 900 *33,650	*14 900 *33,650	*27 700 *60,150	19 850 42,700	*20 950 *45,400	13 000 28,000	15 850 34,050	9550 20,600	12 200 26,250	7500 16,200	11 600 25,600	7150 15,800	9330 370
–3000 mm –120 in	kg lb	*23 850 *53,850	*23 850 *53,850	*25 350 *55,000	20 050 43,050	*19 650 *42,450	13 050 28,050	*15 450 *33,250	9600 20,700			*12 800 *28,150	8100 17,900	8570 340
–4500 mm –180 in	kg lb	*27 400 *59,150	*27 400 *59,150	*21 400 *46,100	20 450 43,950	*16 700 *35,800	13 300 28,650					*12 600 *27,650	10 000 22,300	7430 290

* ISO 10567

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Lift capacity stays with ±5% for all available track shoes.

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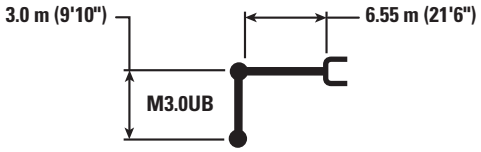
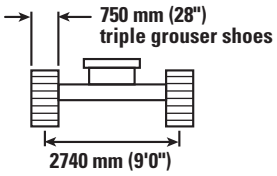
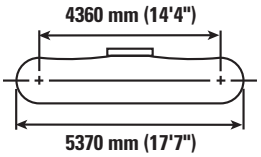
349F L XE Hydraulic Excavator Specifications

Reach Boom Lift Capacities – Counterweight: 9.0 mt (9.9 t) – Heavy Lift: On







		3000 mm (120 in)		4500 mm (180 in)		6000 mm (240 in)		7500 mm (300 in)		9000 mm (360 in)				
														mm **in**
7500 mm **300 in**	kg **lb**							*11 550	11 100			*10 000 ***22,050**	*10 000 ***22,050**	7670 **300**
6000 mm **240 in**	kg **lb**							*12 900 ***28,200**	10 950 **23,500**			*9700 ***21,400**	8750 **19,500**	8540 **340**
4500 mm **180 in**	kg **lb**			*20 800 ***44,600**	*20 800 ***44,600**	*16 100 ***34,850**	14 900 **32,100**	*13 800 ***29,950**	10 550 **22,750**	*10 750	7850	*9800 ***21,600**	7750 **17,150**	9070 **360**
3000 mm **120 in**	kg **lb**			*25 500 ***54,800**	21 200 **45,800**	*18 350 ***39,600**	14 000 **30,200**	*14 900 ***32,300**	10 100 **21,750**	12 400 **26,600**	7650 **16,450**	*10 250 ***22,500**	7200 **15,900**	9330 **370**
1500 mm **60 in**	kg **lb**			*22 900 ***55,100**	19 950 **43,000**	*20 050 ***43,400**	13 250 **28,600**	*15 850 ***34,350**	9700 **20,850**	12 150 **26,150**	7450 **16,000**	*11 050 ***24,250**	7050 **15,500**	9340 **370**
0 mm **0 in**	kg **lb**			*25 950 ***60,500**	19 500 **41,950**	*20 800 ***45,050**	12 800 **27,600**	15 700 **33,800**	9400 **20,250**	12 000	7300	11 800 **26,000**	7200 **15,800**	9110 **360**
–1500 mm **–60 in**	kg **lb**	*17 850 ***40,400**	*17 850 ***40,400**	*26 950 ***58,450**	19 450 **41,850**	*20 400 ***44,150**	12 650 **27,250**	15 550 **33,500**	9300 **20,000**			12 800 **28,250**	7750 **17,100**	8600 **340**
–3000 mm **–120 in**	kg **lb**	*29 450 ***66,650**	*29 450 ***66,650**	*24 100 ***52,200**	19 700 **42,300**	*18 600 ***40,150**	12 750 **27,450**	*14 200 ***30,250**	9400 **20,300**			*13 400 ***29,450**	9000 **19,950**	7760 **310**
–4500 mm **–180 in**	kg **lb**			*19 150 ***41,000**	*19 150 ***41,000**	*14 500 ***30,500**	13 150 **28,400**					*12 800 ***28,100**	11 900 **26,650**	6480 **260**

* **ISO 10567**

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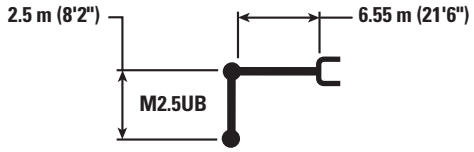
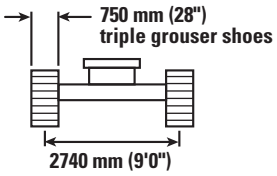
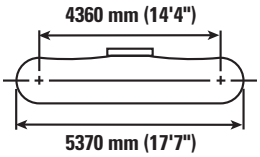
Lift capacity stays with ±5% for all available track shoes.

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

Reach Boom Lift Capacities – Counterweight: 9.0 mt (9.9 t) – Heavy Lift: On







		3000 mm (120 in)		4500 mm (180 in)		6000 mm (240 in)		7500 mm (300 in)				
												mm **in**
7500 mm **300 in**	kg **lb**									*13 050 ***28,900**	12 000 **27,000**	7110 **280**
6000 mm **240 in**	kg **lb**					*15 250 ***33,150**	*15 250 ***33,150**	*13 800 ***30,200**	10 850 **23,300**	*12 700 ***27,950**	9650 **21,500**	8030 **320**
4500 mm **180 in**	kg **lb**			*22 650 ***48,500**	*22 650 ***48,500**	*17 150 ***37,050**	14 750 **31,800**	*14 500 ***31,600**	10 500 **22,650**	*12 850 ***28,250**	8450 **18,700**	8600 **340**
3000 mm **120 in**	kg **lb**			 ***58,350**	 **44,900**	*19 200 ***41,500**	13 900 **30,000**	*15 500 ***33,650**	10 100 **21,750**	12 700 **27,950**	7850 **17,300**	8880 **350**
1500 mm **60 in**	kg **lb**					*20 650 ***44,650**	13 250 **28,600**	16 050 **34,550**	9750 **21,000**	12 450 **27,450**	7650 **16,850**	8890 **350**
0 mm **0 in**	kg **lb**			*23 950 ***56,350**	19 700 **42,300**	*21 000 ***45,500**	12 900 **27,850**	15 800 **34,000**	9500 **20,500**	12 900 **28,350**	7850 **17,300**	8640 **340**
–1500 mm **–60 in**	kg **lb**	*18 000 ***41,100**	*18 000 ***41,100**	*26 050 ***56,650**	19 750 **42,450**	*20 150 ***43,650**	12 850 **27,650**	15 750 **33,900**	9450 **20,400**	14 150 ***31,150**	8600 **18,900**	8100 **320**
–3000 mm **–120 in**	kg **lb**	*27 750 ***60,500**	*27 750 ***60,500**	*22 750 ***49,200**	20 050 **43,100**	*17 800 ***38,300**	13 000 **28,050**			*14 000 ***30,800**	10 200 **22,600**	7210 **290**
–4500 mm **–180 in**	kg **lb**			*16 800 ***35,700**	*16 800 ***35,700**					*12 750 ***27,850**	*12 750 ***27,850**	5800 **230**

* **ISO 10567**

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Lift capacity stays with ±5% for all available track shoes.

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

349F L XE Hydraulic Excavator Specifications

Bucket Specifications and Compatibility

Track									900 mm (35") Triple Grouser Shoes			
Counterweight									9.0 mt (9.9 t)			
		Width		Capacity		Weight		Fill	Reach Boom		Mass Boom	
	Linkage	mm	in	m^3	yd^3	kg	lb	%	R3.9 HD (12'10")	R3.35 HD (11'0")	M3.0UB (9'10")	M2.5UB (8'2")
Without Pin Grabber 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	2000	80	3.82	5.00	2457	5,415	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	1962	4,324	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	72	2.69	3.52	2423	5,340	100	○	⊖		
	UB	1850	73	3.19	4.16	2735	6,028	100			○	⊖
Severe Duty (SD)	TB	750	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	6342	6868	7133	7876
								lb	13,978	15,137	15,721	17,359

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 Long tips.

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)

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.

Bucket Specifications and Compatibility

Track									900 mm (35") Triple Grouser Shoes			
Counterweight									9.0 mt (9.9 t)			
		Width		Capacity		Weight		Fill	Reach Boom		Mass Boom	
	Linkage	mm	in	m^3	yd^3	kg	lb	%	R3.9 HD (12'10")	R3.35 HD (11'0")	M3.0UB (9'10")	M2.5UB (8'2")
With Pin Grabber 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	2000	80	3.82	5.00	2457	5,415	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	1962	4,324	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	72	2.69	3.52	2423	5,340	100	○	⊖		
Severe Duty (SD)	TB	750	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 pin-on (payload + bucket)								kg	5509	6035	6300	7043
								lb	12,142	13,301	13,885	15,523

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 Long tips.

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)

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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	H160E s H180E s	H160E s H180E s	H160E s H180E s	H160E s H180E s
Multi-Processor	MP30 CC Jaw MP30 CR Jaw MP30 PP Jaw MP30 PS Jaw MP30 S Jaw MP30 TS Jaw	MP30 CC Jaw MP30 CR Jaw MP30 PP Jaw MP30 PS Jaw MP30 S Jaw MP30 TS Jaw	MP30 CC Jaw MP30 CR Jaw MP30 PP Jaw MP30 PS Jaw MP30 S Jaw MP30 TS Jaw	MP30 CC Jaw MP30 CR Jaw MP30 PP Jaw MP30 PS Jaw MP30 S Jaw MP30 TS Jaw MP40 CC Jaw MP40 CR Jaw MP40 PS Jaw
Pulverizer	P235	P235	P235	P235
Demolition and Sorting Grapple	G330	G330	G330	G330
Mobile Scrap and Demolition Shear	S340B S365C S385C	S340B S365C S385C	S340B S365C S385C	S340B S365C S385C
Orange Peel Grapple	These work tools are available for the 349F L XE. Consult your Cat dealer for proper match.			
Rippers				
Center-Lock Pin Grabber Coupler				

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

**For ANZ only.

Standard Equipment

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

ENGINE

- Cat C13 ACERT diesel engine
- Biodiesel capable
- Meets Tier 4 Final/Stage IV emission standards
- 2300 m (7,500 ft) altitude capability
- Electric priming pump
- Automatic engine speed control
- Standard, economy 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

HYDRAULIC SYSTEM

- Reverse swing dampening valve
- Automatic swing parking brake
- High-performance hydraulic return filter
- Regeneration circuit for boom and stick
- Capability of installing additional auxiliary circuits
- Bio oil capable
- 52° ambient cooling capability
- Heavy lift mode
- Joystick control pattern changer through monitor
- Fine swing*

CAB

- Wiper and washer
- Mirrors
- Pressurized operator station with positive filtration
- Sliding upper door window (left-hand cab door)
- Openable skylight
- Windshield:
  - 70-30 split, sliding, removable lower windshield with in cab storage bracket
- Interior:
  - Glass-breaking safety hammer
  - Coat hook
  - Beverage holder
  - Literature holder
  - Interior lighting
  - AM/FM radio
  - Two 12V stereo speakers
  - Storage shelf suitable for lunch or toolbox
  - Power supply with 12V, two power outlets (10 amp)
  - Thumb wheel modulation joystick for use with combined auxiliary control
  - Sun screen
  - Air conditioner, heater and defroster with climate control
- Seat:
  - Adjustable high-back, heated and ventilated seat with air suspension
  - Seat belt, 51 mm (2 in)
  - 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 speed travel
  - Floor mat, washable
  - Third travel pedal
- Monitor:
  - Clock
  - Video ready
  - Color LCD display with warning, filter/fluid change, and working hour information
  - Language display (full graphic and full color display)
  - Machine condition, error code and tool mode setting information
  - Start-up level check for engine oil, engine coolant and hydraulic oil
  - Warning, filter/fluid change and working hour information
  - Fuel consumption meter

UNDERCARRIAGE

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

ELECTRICAL

- 80 amp alternator
- Circuit breaker
- Standard battery
- Travel alarm
- Cold start
- Beacon outlet**

LIGHTS

- HID boom light
- HID cab lights with time delay
- Exterior lights integrated into storage box

SAFETY AND 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
- Mirrors
- Openable skylight for emergency exit
- Rearview camera
- Capability to connect a beacon
- Bolt on FOGS capability
- Safety hammer for breaking cab glass

TECHNOLOGY

- Cat Grade Control (2D/3D)
- Rearview camera
- Product Link
- Cat Production Measurement

*For AmN only.
**For ANZ only.

349F L XE Optional Equipment

Optional Equipment

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

ENGINE

- Starting kit, cold weather, –32° C (–26° F)
- Jump start receptacle
- Preventive maintenance, quick drains, engine and hydraulic oil (QuickEvac™)

HYDRAULIC SYSTEM

- Boom lowering control device
- Stick lowering control device
- HP hydraulic lines for boom and stick
- MP hydraulic lines for boom and stick
- QC hydraulic lines for boom and stick
- QC control

UNDERCARRIAGE

- Tracks:
  - 600 mm (24") double grouser shoes
  - 750 mm (28") single grouser shoes*
  - 750 mm (28") triple grouser shoes
  - 900 mm (35") triple grouser shoes*
- Fabricating idler
- Forging idler

GUARDS

- Track guiding guards:
  - Center
  - Segmented, three pieces
  - Full length, two pieces
- FOGS (Falling Object Guards), bolt-on
- Vandalism guard*

COUNTERWEIGHT

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

FRONT LINKAGE

- HD 6.9 m (22'8") Reach boom
  - HD R3.9TB stick (12'10")
  - HD R3.35TB stick (11')
- 6.55 m (21'6") Mass boom**
  - M3.0UB stick (9'10")
  - M2.5UB stick (8'2")
- Bucket linkage
  - UB family (with lifting eye)**
  - TB family (without lifting eye)
- Bucket cylinder guard
- Pin Grabber coupler

*For AmN only.
**For ANZ only.

Notes

Notes

Notes

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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