

336F XE

Hydraulic Excavator



Engine

Engine Model	Cat® C9.3 ACERT™
Power – ISO 14396 (metric)	234 kW (318 hp)
Power – ISO 9249 (metric)	228 kW (310 hp)

Drive

Maximum Travel Speed	4.8 km/h
Maximum Drawbar Pull	294 kN

Weights

Minimum Weight	37 900 kg
Maximum Weight	40 300 kg

The 336F XE is the latest machine from Caterpillar that will significantly lower your owning and operating costs.

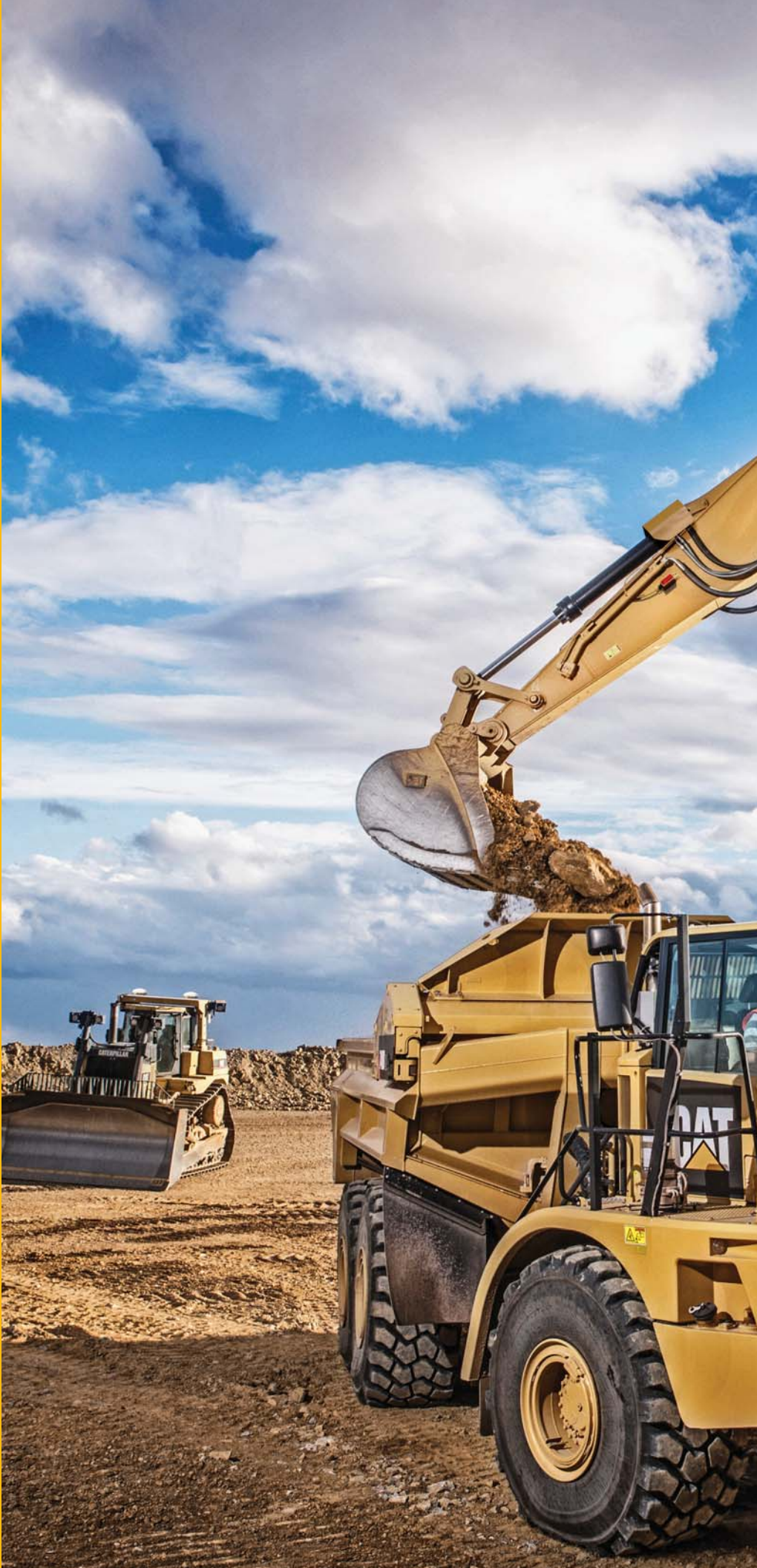
Built with our proven hydraulic hybrid system, this excavator will cut your fuel consumption by up to 20% compared to our standard 336E – a market leader in and of itself for high efficiency.

Unlike models from other manufacturers, the 336F 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, the proven Cat Grade Control Depth and Slope system, 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 36-ton machine, look no further than the 336F XE. It will make you more money than any other brand bar none.

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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 336F XE with hydraulic hybrid technology is the latest example of such an innovative product. This excavator is built for those of you who work machines long and hard and need the absolute highest level of productivity. 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 336F model. This machine is built for those of you who also get paid by the job and are looking for a high level of productivity. Even though it isn't equipped with hydraulic hybrid technology, the 336F provides excellent fuel efficiency and productivity 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 the traditional model, think of these attributes:

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

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

Cat Hybrid Technology

The more it works, the more you save.



Our Smart Valve Is Smart for You

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.

The 336F LXE’s hydraulic hybrid system is unlike hybrid systems available from any other heavy equipment manufacturer in business today. It is a simple, reliable, and cost-effective solution that will help significantly reduce your cost per ton.

The 336F 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.

Fuel Efficient

Efficient and reliable performance you can count on.



Proven Technology

Every EU Stage IV ACERT engine is equipped with a combination of proven electronic, fuel, air, and aftertreatment components. Applying these time-tested technologies lets us meet your high expectations for productivity, fuel efficiency, reliability, and service life.

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

- **Improved Fuel Efficiency** – up to 20% fuel consumption savings, compared to 336E Stage IIIB, including Diesel Exhaust Fluid (DEF) consumption, with minimized maintenance costs.
- **High Performance** across a variety of applications.
- **Enhanced Reliability** through commonality and simplicity of design.
- **Maximized Uptime and Reduced Cost** with world-class Cat dealer support.
- **Minimized Impact on Emission Systems** – with no operator interaction required.
- **Durability** with long service life.
- **Same Great Power and Response.**

An Emissions Solution That Works

The Cat C9.3 ACERT EU Stage IV engine is built to meet your demanding needs all day long. There is no interruption to your job process because the Cat regeneration system works automatically with no operator intervention required. If your operators are working in heat-restricted areas, they can use a manual override button to move the machine before the regeneration process begins.

Fuel Savers That Add Up

The 336F XE features three power modes to help manage fuel consumption: High power, standard power, and economy. Two additional fuel-saving features are on-demand engine power and engine idle shutdown. On-demand engine power keeps speed low during light loading and idling; it automatically adjusts speed up when it senses a heavier load. Engine idle shutdown automatically shuts the engine off when idling for more than a specified amount of time that you set, which can save significant amounts of fuel and reduce emissions.

Biodiesel Not a Problem

The 336F XE runs on ultra-low-sulfur diesel fuel, but you have added flexibility with the C9.3 ACERT engine because it's equipped to run on biodiesel fuel up to B20 blended with ULSD. Just fill it up and go.



Reliable and Productive

Power to move your material with speed and precision.

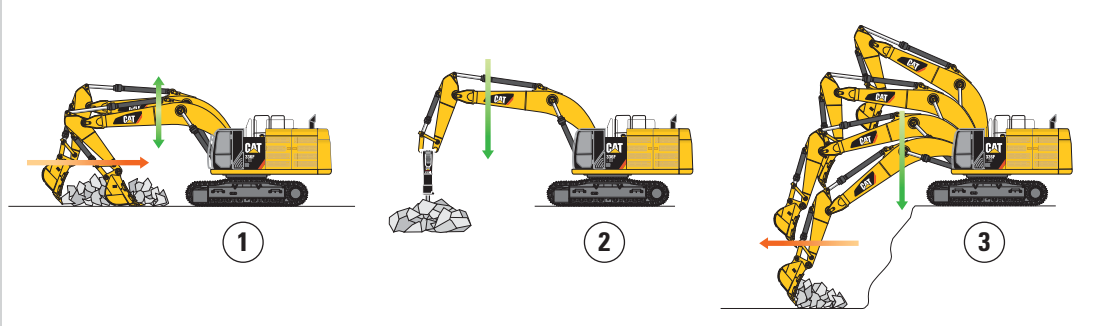
Hydraulic Horsepower, a Cat Advantage

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. In fact, pump and other system components work to put more power to the ground, in a highly controlled, user-friendly way. This means you will move more material in less time and keep more money in your pocket at the end of the day.

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.

SmartBoom™

Reduces Stress and Vibrations Transmitted to the Machine



Rock Scraping (1)

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

Hammer Work (2)

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

Truck Loading (3)

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

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, will allow you to switch from one tool to another in a matter of minutes.

Boom and Stick Oil Re-Circulation for Added Efficiency

The 336F XE regenerates the flow of oil from the head end of the boom and stick cylinders to the rod end of the boom and stick cylinders during the work cycle to save energy and improve fuel efficiency.

It's optimized for any dial speed setting you select, which results in less pressure loss for higher controllability, more productivity, and lower operating costs for you.

Easy to Operate

Quiet and comfortable to keep you productive all day long.



Safe and Quiet Cab

Operators will enjoy the quietness and comfort of the all new cab thanks to special viscous mounts and special roof lining and sealing that limit vibration and unnecessary sound.

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.

Storage spaces are located in the front, rear, and side consoles of the cab.

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

Not only can the right and left joystick consoles be physically adjusted to improve your comfort and productivity during the course of a day, but joystick lever gain and swing braking can also be adjusted – right through the monitor. Gain is the relationship between the control lever stroke and cylinder speed, and you can set it for either a quick or normal response. Swing braking can be set for either medium or slow response.

Other operator benefits include a heavy lift mode to increase system pressure – a nice benefit in situations requiring more controlled power. Together, these unique features make the 336F XE respond exactly how you want it to.



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 42 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 standard 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

Built for your demanding applications.



Stable Undercarriages

Long (L) and Long Narrow (LN) undercarriages support any type of work required from a 36-ton machine. Heavy-duty track rollers, precision forged carrier rollers, press-fit pin master joints, and enhanced track shoe bolts enhance machine durability and reduce the risk of downtime and your need to replace components.

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 336F XE. The machine's lower and upper frames are built to handle a hard day's work over and over again.

Great Weight

Whether you are loading trucks or picking pipe, a 6.1 mt counterweight gives you plenty of stability.



Durable Linkages

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

Built to Last

Your uptime and service intervals are increased with high-quality, durable, and reliable booms, sticks, and linkage pins. Each boom and stick is built with internal baffle plates for additional durability, and each undergoes ultrasound inspection to ensure quality and reliability for the tough work you do.

Booms, Sticks and Bucket Linkage for Any Job

Heavy Duty (HD) 6.5 m reach boom and sticks (3.2 m, 2.8 m) offer you excellent all-around versatility for general excavation work like multipurpose digging and loading.

Mass Excavation (ME) 6.18 m boom and stick (2.55 m) offer you enhanced performance in heavy-duty material. They provide higher digging forces due to special boom and stick geometry, and bucket linkage and cylinders are built for greater durability.

Sticks are matched to the booms. Longer sticks are better when you need to dig deep or load trucks. Shorter sticks provide greater breakout force.

Bucket linkages with or without a lifting eye are available.

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 options for your applications.

Versatile

Do more jobs with one machine.





Get the Most from One Machine

The 336F XE is a versatile machine that packs a lot of performance into a small package. You can easily expand that performance by utilizing a variety of attachments offered by Cat Work Tools.

Change Jobs Quickly

Cat quick coupler brings the ability to quickly change attachments and switch from job to job. 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.

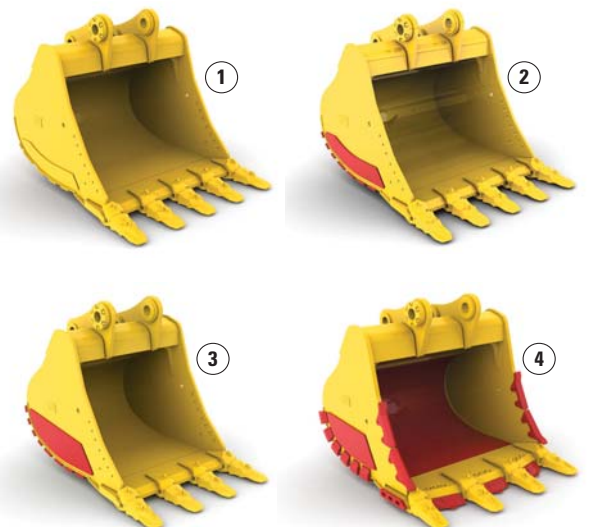
Break, Demolish and Scrap

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.

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.



1) General Duty (GD) 2) Heavy Duty (HD)
3) Severe Duty (SD) 4) Extreme Duty (XD)

Integrated 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 Control Depth and Slope

The factory-integrated Cat Grade Control system delivers 2D bucket tip elevation guidance to the cab to help operators create precise planes and slopes. Real-time bucket tip elevation guidance on the standard cab monitor indicates how much to cut or fill. Fast response sensors deliver immediate feedback, while optional integrated joystick buttons help operators make quick adjustments to maintain grade. Built-in alerts can be set to warn the operator if the linkage or bucket approaches a predefined elevation or depth such as when working in areas with low ceilings or digging near water lines. Staking and checking is minimized, which reduces ground crews and enhances job site safety.

Works best in simple 2D applications such as digging trenches and basements or grading steep embankments.

Cat AccuGrade™

The dealer-installed AccuGrade system uses a dedicated monitor with a digital design plan for 3D bucket tip positioning and elevation guidance. AccuGrade indicates precisely where to work and how much to cut or fill – eliminating staking and checking.

Plug and play capability on the 336F XE simplifies upgrading. Choose from satellite (GNSS) or total station (UTS) control for large projects with complex designs.

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.

A Safe and Quiet Cab

The Roll-Over Protective Structure (ROPS) 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 towards the cab.

Secure Contact Points

Multiple large steps 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 reduce your slipping hazards in all types of weather conditions, and they can be removed for cleaning.

Smart Lighting

Halogen lights provide plenty of illumination, and the 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.

Great Views

Ample glass coupled with the standard parallel wiper system, gives you excellent visibility out front and to the side, and the standard rearview camera gives you a clear field of view behind the machine through the cab monitor.





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

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.

A Smart 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.

HYBRID

Sustainable Generations ahead in every way.

- The 336F XE moves as much material as a standard 336F yet burns up to 20% less fuel. This means more efficiency and productivity for you with less resource consumption.
- The 336F XE has the flexibility of running on either ultra-low-sulfur diesel (ULSD) fuel with 10 ppm of sulfur or less or biodiesel fuel up to B20 blended with ULSD.
- An overfill indicator rises when the tank is full to help your service technicians avoid spilling.
- You can ensure fast, easy, and secure changing of engine and hydraulic oil with the Cat QuickEvac™ system.
- A unique engine oil filter eliminates the need for painted metal cans and aluminum top plates. The cartridge-style spin-on housing enables the internal filter to be separated and replaced; the used internal element can be incinerated to help reduce waste.

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.



336F XE Hydraulic Excavator Specifications

Engine

Gross Power – SAE J1995 (metric)	238 kW (324 hp)
Gross Power – ISO 14396 (metric)	234 kW (318 hp)
Net Power – ISO 9249 (metric)	228 kW (310 hp)
Bore	115 mm
Stroke	149 mm
Displacement	9.3 L

Weights

Minimum Weight	37 900 kg
Maximum Weight	40 300 kg

Drive

Gradeability	30°/70%
Maximum Travel Speed	4.8 km/h
Maximum Drawbar Pull	294 kN

Swing Mechanism

Swing Speed	8.7 rpm
Swing Torque	109 kN·m

Service Refill Capacities

Fuel Tank Capacity	620 L
Cooling System	43 L
Engine Oil (with filter)	32 L
Swing Drive (each)	19 L
Final Drive (each)	8 L
Hydraulic System Oil (including tank)	380 L
Hydraulic Tank Oil	175 L
DEF Tank (ISO 22241)	41 L

Hydraulic System

Main System – Maximum Flow (Total)	570 L/min
Swing System – Maximum Flow	276 L/min
Maximum Pressure	
Equipment	35 000 kPa
Equipment (Lift Mode)	37 000 kPa
Travel	35 000 kPa
Swing	31 500 kPa
Pilot System	
Maximum Flow	28 L/min
Maximum Pressure	4100 kPa
Boom Cylinder	
Bore	150 mm
Stroke	1440 mm
Stick Cylinder	
Bore	170 mm
Stroke	1738 mm
DB Bucket Cylinder	
Bore	150 mm
Stroke	1151 mm
TB Bucket Cylinder	
Bore	160 mm
Stroke	1356 mm

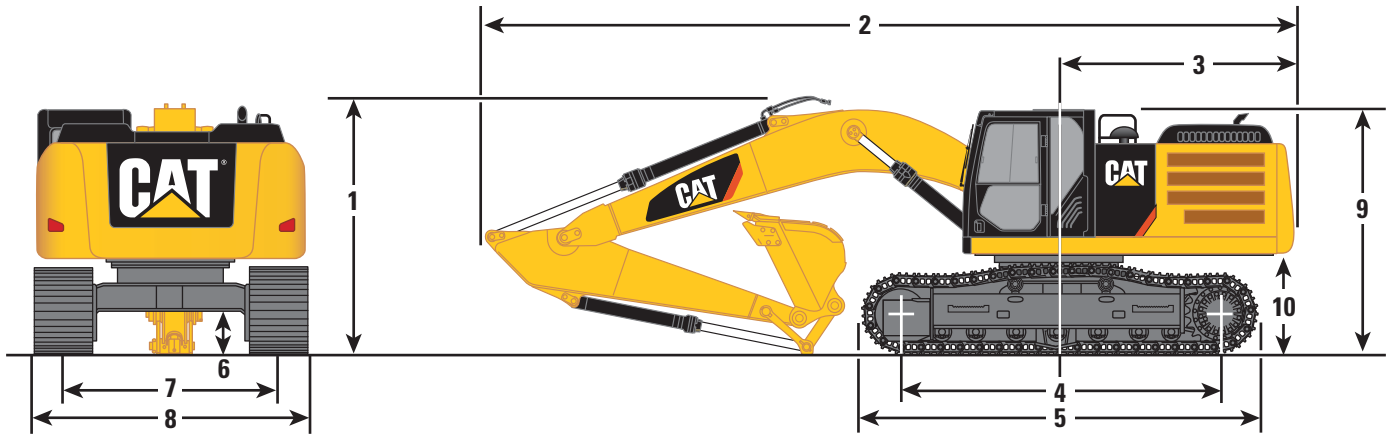
Sound Performance

Exterior – ISO 6395	105 dB(A)
Operator – ISO 6396	73 dB(A)

336F XE Hydraulic Excavator Specifications

Dimensions

All dimensions are approximate.



Boom Options	HD Reach Boom 6.5 m		Mass Boom 6.18 m
	R3.2 DB	R2.8 DB	M2.55 TB
Stick Options			
1 Shipping Height*	3510 mm	3650 mm	3600 mm
2 Shipping Length	11 190 mm	11 220 mm	10 920 mm
3 Tail Swing Radius	3490 mm	3490 mm	3490 mm
4 Length to Center of Rollers			
Long Undercarriage	4040 mm	4040 mm	4040 mm
Long Narrow Undercarriage	4040 mm	4040 mm	4040 mm
5 Track Length			
Long Undercarriage	5030 mm	5030 mm	5030 mm
Long Narrow Undercarriage	5030 mm	5030 mm	5030 mm
6 Ground Clearance*	510 mm	510 mm	510 mm
Ground Clearance**	480 mm	480 mm	480 mm
7 Track Gauge			
Long Undercarriage	2590 mm	2590 mm	2590 mm
Long Narrow Undercarriage	2390 mm	2390 mm	2390 mm
8 Transport Width			
Long Undercarriage			
600 mm Shoes	3190 mm	3190 mm	3190 mm
700 mm Shoes	3290 mm	3290 mm	3290 mm
850 mm Shoes	3440 mm	3440 mm	3440 mm
Narrow Undercarriage			
600 mm Shoes	2990 mm	2990 mm	2990 mm
9 Cab Height	3150 mm	3150 mm	3150 mm
Cab Height with Top Guard	3360 mm	3360 mm	3360 mm
10 Counterweight Clearance**	1220 mm	1220 mm	1220 mm
Bucket Type	GP	GP	GP
Bucket Capacity	2.28 m ³	2.28 m ³	2.41 m ³
Bucket Tip Radius	1753 mm	1753 mm	1895 mm

Dimensions may vary depending on bucket selection.

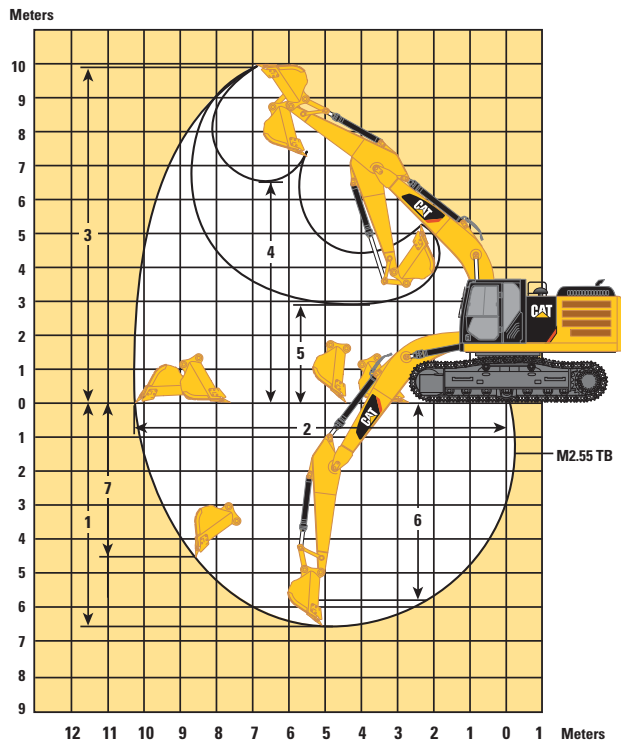
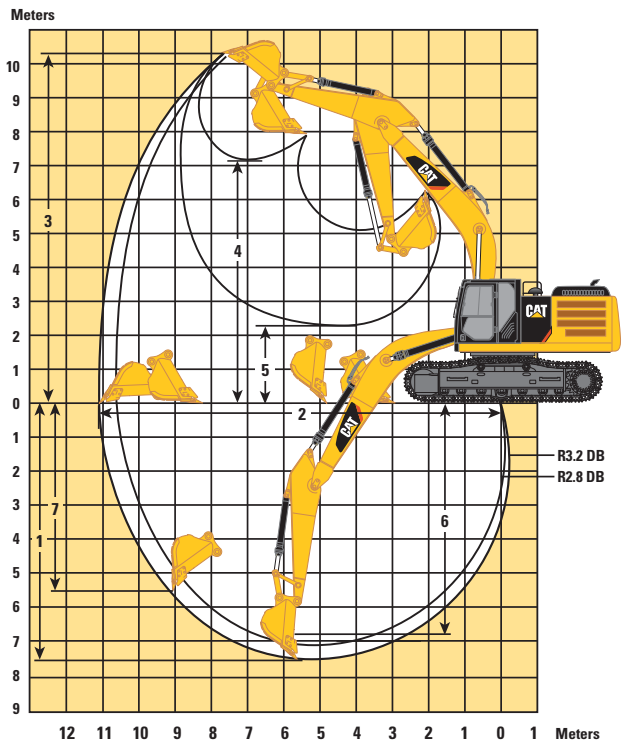
*Including shoe lug height

**Without shoe lug height

336F XE Hydraulic Excavator Specifications

Working Ranges

All dimensions are approximate.



Boom Options

Stick Options

	HD Reach Boom 6.5 m		Mass Boom 6.18 m
	R3.2 DB	R2.8 DB	M2.55 TB
1 Maximum Digging Depth	7490 mm	7090 mm	6650 mm
2 Maximum Reach at Ground Level	11 020 mm	10 710 mm	10 260 mm
Maximum Radius of Working Equipment	11 200 mm	10 910 mm	10 460 mm
3 Maximum Cutting Height	10 320 mm	10 370 mm	9970 mm
4 Maximum Loading Height	7110 mm	7110 mm	6620 mm
5 Minimum Loading Height	2610 mm	3010 mm	2920 mm
6 Maximum Depth Cut for 2440 mm Level Bottom	6820 mm	6390 mm	5810 mm
7 Maximum Vertical Wall Digging Depth	5500 mm	5470 mm	4450 mm
Bucket Type	GP	GP	GP
Bucket Capacity	2.28 m ³	2.28 m ³	2.41 m ³
Bucket Tip Radius	1753 mm	1753 mm	1895 mm

Dimensions may vary depending on bucket selection.

336F XE Hydraulic Excavator Specifications

Operating Weights and Ground Pressures

Boom	Stick	850 mm TG		700 mm TG		600 mm TG HD		600 mm DG	
		Weight kg	Ground Pressure kPa	Weight kg	Ground Pressure kPa	Weight kg	Ground Pressure kPa	Weight kg	Ground Pressure kPa
6.1 mt Counterweight									
Long Undercarriage									
HD R6.5 m	HD R3.2DB	38 900	51.1	37 900	60.5	38 300	71.3	38 400	71.5
HD R6.5 m	HD R2.8DB	38 900	51.1	37 900	60.5	38 200	71.2	38 400	71.5
M6.18 m	M2.55TB	40 300	53.0	39 300	62.7	39 600	73.8	39 800	74.1
Long Narrow Undercarriage									
HD R6.5 m	HD R3.2DB					38 100	71.0		
HD R6.5 m	HD R2.8DB					38 100	71.0		
M6.18 m	M2.55TB					39 500	73.6		

Bucket and Stick Forces

Boom Options	Reach Boom 6.5 m		Mass Boom 6.18 m
	R3.2 DB kN	R2.8 DB kN	M2.55 TB kN
Stick Options			
General Duty			
Bucket Digging Force (ISO)	211.8	211.8	264.9
Stick Digging Force (ISO)	166.7	185.5	190.8
General Duty Capacity			
Bucket Digging Force (ISO)	209.7	209.7	261.3
Stick Digging Force (ISO)	165.9	184.6	190.2
Heavy Duty			
Bucket Digging Force (ISO)	209.9	209.9	264.9
Stick Digging Force (ISO)	166.1	184.8	190.8
Heavy Duty – Power			
Bucket Digging Force (ISO)	234.2	234.2	
Stick Digging Force (ISO)	169.0	188.3	
Severe Duty			
Bucket Digging Force (ISO)	209.9	209.9	261.4
Stick Digging Force (ISO)	166.1	184.8	190.2
Extreme Duty			
Bucket Digging Force (ISO)	209.9	209.9	
Stick Digging Force (ISO)	166.1	184.8	

336F XE Hydraulic Excavator Specifications

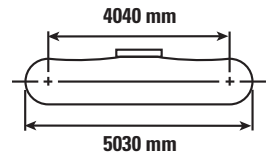
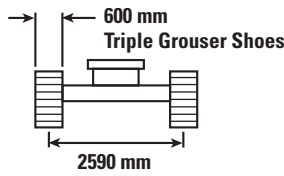
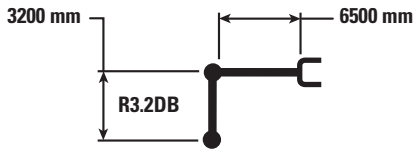
Major Component Weights

	kg
Undercarriage (without tracks)	
Long Undercarriage	8900
Long Narrow Undercarriage	8800
Upper Structure (without front linkage, without counterweight)*	11 200
Counterweight	6100
Boom (includes lines, pins and stick cylinder)	
HD Reach Boom – 6.50 m	4100
Mass Boom – 6.18 m	4200
Stick (includes lines, pins and bucket cylinder)	
HD R3.2 DB	1800
HD R2.8 DB	1800
M2.55 TB	2100
Track Shoe	
850 mm Triple Grouser	5400
700 mm Triple Grouser	4300
600 mm Triple Grouser HD	4700
600 mm Double Grouser	4900
Quick Coupler	600
Buckets	
DB1536GP-C 2.28 m ³	1500
TB1676SD 2.41 m ³	2500

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

336F XE Hydraulic Excavator Specifications

336F L XE Reach Boom Lift Capacities – Counterweight: 6.1 mt – without Bucket – Heavy Lift On



		3000 mm		4500 mm		6000 mm		7500 mm		9000 mm		mm		
7500 mm	kg							*8400	8050			*7200	*7200	7700
6000 mm	kg							*8550	7950			*7000	6350	8580
4500 mm	kg			*13 000	*13 000	*10 450	*10 450	*9150	7700	*8250	5750	*7050	5600	9130
3000 mm	kg			*16 400	15 400	*12 050	10 200	*10 000	7400	8750	5650	*7300	5250	9410
1500 mm	kg			*18 850	14 400	*13 450	9650	*10 750	7100	8550	5500	*7850	5100	9440
0 mm	kg			*19 600	13 950	*14 300	9300	10 950	6900	8450	5350	8150	5200	9220
-1500 mm	kg	*14 100	*14 100	*19 200	13 850	*14 350	9150	10 850	6750			8750	5550	8750
-3000 mm	kg	*22 200	*22 200	*17 800	13 950	*13 600	9200	*10 500	6800			*9600	6350	7960
-4500 mm	kg	*19 950	*19 950	*15 050	14 300	*11 450	9400					*9650	8100	6750



ISO 10567



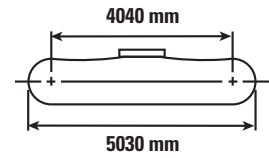
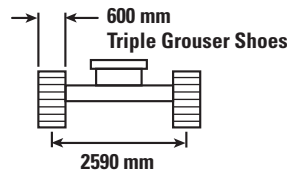
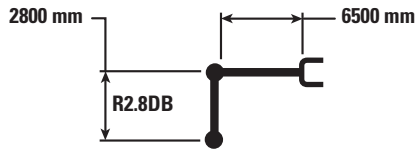
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Lift capacity stays with ±5% for all available track shoes.

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

336F XE Hydraulic Excavator Specifications

336F L XE Reach Boom Lift Capacities – Counterweight: 6.1 mt – without Bucket – Heavy Lift On



		3000 mm		4500 mm		6000 mm		7500 mm		9000 mm		mm		
7500 mm	kg											*9050	8200	7340
6000 mm	kg					*9700	*9700	*9000	7850			*8750	6700	8250
4500 mm	kg			*13 950	*13 950	*10 950	10 650	*9550	7650			*8750	5900	8820
3000 mm	kg			*17 300	15 050	*12 500	10 050	*10 300	7350	8650	5600	8500	5500	9110
1500 mm	kg			*16 900	14 200	*13 800	9550	*11 000	7050	8550	5450	8350	5350	9140
0 mm	kg			*19 600	13 900	*14 400	9250	10 950	6850			8550	5450	8920
-1500 mm	kg	*13 150	*13 150	*18 850	13 900	*14 250	9150	10 850	6800			9250	5850	8420
-3000 mm	kg	*22 500	*22 500	*17 150	14 050	*13 200	9250	*10 000	6900			*9750	6800	7600
-4500 mm	kg	*17 900	*17 900	*13 950	*13 950	*10 400	9550					*9500	8950	6330



ISO 10567



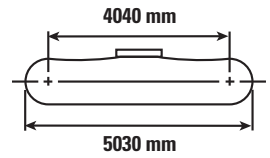
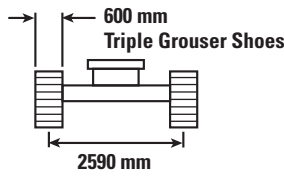
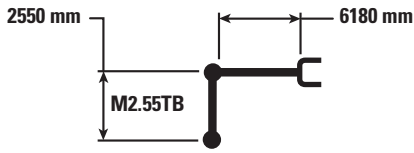
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Lift capacity stays with $\pm 5\%$ for all available track shoes.

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

336F XE Hydraulic Excavator Specifications

336F L XE Mass Boom Lift Capacities – Counterweight: 6.1 mt – without Bucket – Heavy Lift On



Boom Length	Unit	3000 mm		4500 mm		6000 mm		7500 mm		mm		
7500 mm	kg					*9800	*9800			*8850	*8850	6580
6000 mm	kg					*10 150	*10 150	*9600	7600	*8450	7450	7600
4500 mm	kg			*14 150	*14 150	*11 250	10 500	*9850	7450	*8400	6400	8210
3000 mm	kg			*17 250	14 900	*12 650	9900	*10 500	7150	*8750	5900	8520
1500 mm	kg			*19 150	14 050	*13 800	9400	11 000	6900	9100	5750	8550
0 mm	kg			*19 350	13 750	*14 300	9100	10 850	6750	9350	5900	8310
-1500 mm	kg	*17 900	*17 900	*18 350	13 750	*13 900	9050	*10 750	6700	*10 200	6400	7780
-3000 mm	kg	*21 000	*21 000	*16 200	14 000	*12 350	9200			*10 200	7700	6880
-4500 mm	kg			*11 850	*11 850					*9400	*9400	5430



ISO 10567



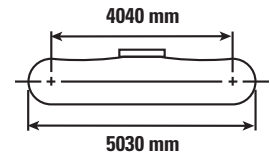
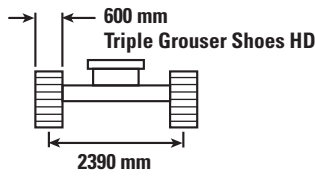
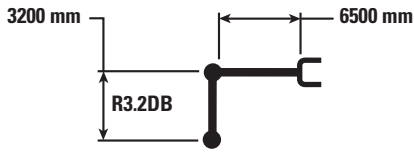
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Lift capacity stays with ±5% for all available track shoes.

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

336F XE Hydraulic Excavator Specifications

336F LN XE Reach Boom Lift Capacities – Counterweight: 6.1 mt – without Bucket – Heavy Lift On



		3000 mm		4500 mm		6000 mm		7500 mm		9000 mm		mm		
7500 mm	kg							*8400	7550			*7200	7200	7700
6000 mm	kg							*8550	7450			*7000	5950	8580
4500 mm	kg			*13 000	*13 000	*10 450	10 100	*9150	7250	*8250	5400	*7050	5250	9130
3000 mm	kg			*16 400	14 250	*12 050	9500	*10 000	6900	*8850	5250	*7300	4900	9410
1500 mm	kg			*18 850	13 250	*13 450	9000	*10 750	6650	8700	5100	*7850	4750	9440
0 mm	kg			*19 600	12 800	*14 300	8650	11 100	6400	8550	5000	8250	4850	9220
-1500 mm	kg	*14 100	*14 100	*19 200	12 750	*14 350	8500	11 000	6300			8900	5200	8750
-3000 mm	kg	*22 200	*22 200	*17 800	12 850	*13 600	8500	*10 500	6350			*9600	5900	7960
-4500 mm	kg	*19 950	*19 950	*15 050	13 150	*11 450	8750					*9650	7550	6750



ISO 10567



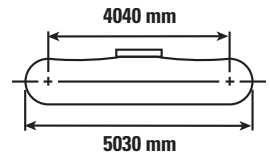
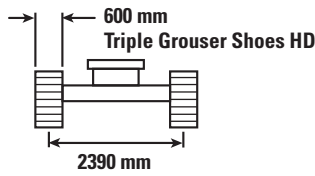
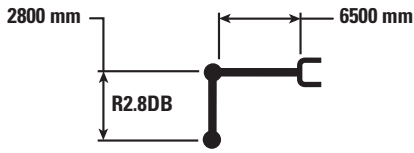
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Lift capacity stays with ±5% for all available track shoes.

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

336F XE Hydraulic Excavator Specifications

336F LN XE Reach Boom Lift Capacities – Counterweight: 6.1 mt – without Bucket – Heavy Lift On



Reach (mm)	Unit	3000 mm		4500 mm		6000 mm		7500 mm		9000 mm		mm		
		ISO 10567	ISO 10567	ISO 10567	ISO 10567	ISO 10567	ISO 10567	ISO 10567	ISO 10567	ISO 10567	ISO 10567	ISO 10567	ISO 10567	
7500 mm	kg											*9050	7700	7340
6000 mm	kg					*9700	*9700	*9000	7350			*8750	6250	8250
4500 mm	kg			*13 950	*13 950	*10 950	9950	*9550	7150			*8750	5500	8820
3000 mm	kg			*17 300	13 900	*12 500	9400	*10 300	6850	8800	5200	8650	5100	9110
1500 mm	kg			*16 900	13 050	*13 800	8900	*11 000	6600	8650	5100	8450	5000	9140
0 mm	kg			*19 600	12 750	*14 400	8600	11 100	6400			8700	5100	8920
-1500 mm	kg	*13 150	*13 150	*18 850	12 750	*14 250	8500	11 000	6350			9400	5450	8420
-3000 mm	kg	*22 500	*22 500	*17 150	12 950	*13 200	8550	*10 000	6450			*9750	6350	7600
-4500 mm	kg	*17 900	*17 900	*13 950	13 300	*10 400	8900					*9500	8350	6330



ISO 10567



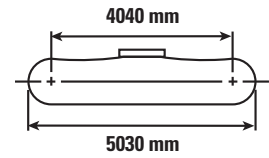
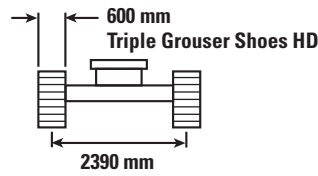
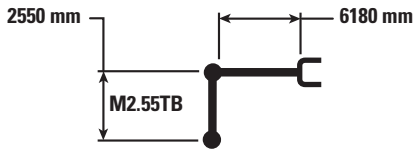
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Lift capacity stays with ±5% for all available track shoes.

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

336F XE Hydraulic Excavator Specifications

336F LN XE Mass Boom Lift Capacities – Counterweight: 6.1 mt – without Bucket – Heavy Lift On



Boom Length	Unit	3000 mm		4500 mm		6000 mm		7500 mm		mm		
		Diagram 1	Diagram 2	Diagram 1	Diagram 2	Diagram 1	Diagram 2	Diagram 1	Diagram 2	Diagram 1	Diagram 2	
7500 mm	kg					*9800	*9800			*8850	*8850	6580
6000 mm	kg					*10 150	*10 150	*9600	7100	*8450	6950	7600
4500 mm	kg			*14 150	*14 150	*11 250	9800	*9850	6950	*8400	6000	8210
3000 mm	kg			*17 250	13 750	*12 650	9200	*10 500	6700	*8750	5500	8520
1500 mm	kg			*19 150	12 900	*13 800	8750	*11 050	6450	9200	5350	8550
0 mm	kg			*19 350	12 600	*14 300	8450	11 000	6250	9500	5450	8310
-1500 mm	kg	*17 900	*17 900	*18 350	12 600	*13 900	8350	*10 750	6250	*10 200	6000	7780
-3000 mm	kg	*21 000	*21 000	*16 200	12 850	*12 350	8500			*10 200	7150	6880
-4500 mm	kg			*11 850	*11 850					*9400	*9400	5430



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.

336F XE Hydraulic Excavator Specifications

Bucket Specifications and Compatibility

Tracks						336F L XE – 600 mm TG			336F LN XE – 600 mm TG		
Counterweight						6.1 mt			6.1 mt		
	Linkage	Width	Capacity	Weight	Fill	Reach Boom HD		ME Boom	Reach Boom HD		ME Boom
		mm	m ³	kg	%	R2.8DB	R3.2DB	M2.55TB	R2.8DB	R3.2DB	M2.55TB
DB Linkage Without Quick Coupler											
General Duty (GD)	DB	1350	1.64	1173	100%	●	●		●	●	
	DB	1650	2.11	1352	100%	●	●		⊙	⊙	
	DB	1800	2.35	1453	100%	⊙	⊙		⊖	⊖	
	TB	1500	2.14	1872	100%			●			⊙
	TB	1650	2.41	2027	100%			⊙			⊖
Heavy Duty (HD)	DB	1350	1.64	1481	100%	●	●		●	●	
	DB	1500	1.88	1600	100%	●	●		●	⊙	
	DB	1650	2.12	1730	100%	⊙	⊙		⊙	⊖	
	TB	1650	2.41	2210	100%			⊙			⊖
Severe Duty (SD)	DB	1650	2.14	1827	90%	●	⊙		⊙	⊙	
	TB	1350	1.87	2065	90%			●			●
	TB	1650	2.41	2385	90%			⊙			⊖
Maximum load pin-on (payload + bucket)					kg	5845	5604	6596	5420	5199	6094
DB Linkage With Pin Grabber Coupler											
General Duty (GD)	DB	1350	1.64	1173	100%	●	●		●	●	
	DB	1650	2.11	1352	100%	⊙	⊙		⊖	⊖	
	DB	1800	2.35	1453	100%	⊖	⊖		⊖	○	
	TB	1500	2.14	1872	100%			⊙			⊙
	TB	1650	2.41	2027	100%			⊖			⊖
Heavy Duty (HD)	DB	1350	1.64	1481	100%	●	●		●	⊙	
	DB	1500	1.88	1600	100%	⊙	⊙		⊙	⊖	
	DB	1650	2.12	1730	100%	⊖	⊖		⊖	○	
	TB	1650	2.41	2210	100%			⊖			○
Severe Duty (SD)	DB	1650	2.15	1827	90%	⊙	⊖		⊖	⊖	
	TB	1350	1.87	2065	90%			●			●
	TB	1650	2.41	2385	90%			⊖			⊖
Maximum load pin-on (payload + bucket)					kg	5287	5046	6037	4862	4641	5535
With Quick Coupler (CW45, CW45s)											
General Duty (GD)	DB	1050	1.17	986	100%	●	●		●	●	
	DB	1200	1.40	1064	100%	●	●		●	●	
	DB	1350	1.64	1143	100%	●	●		●	●	
	DB	1500	1.87	1245	100%	●	●		⊙	⊙	
	DB	1650	2.11	1324	100%	⊙	⊙		⊖	⊖	
Heavy Duty (HD)	DB	1350	1.64	1417	100%	●	●		●	●	
	DB	1500	1.88	1514	100%	●	⊙		⊙	⊖	
	DB	1650	2.12	1647	100%	⊙	⊖		⊖	⊖	
	TB	1650	2.41	2117	100%			⊖			⊖
Severe Duty (SD)	DB	1050	1.17	1272	90%	●	●		●	●	
	DB	1650	2.15	1802	90%	⊙	⊙		⊖	⊖	
	TB	1350	1.87	1974	90%			●			●
	TB	1650	2.41	2295	90%			⊙			⊖
Maximum load with coupler (payload + bucket)					kg	5355	5114	6106	4930	4709	5604

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.

Maximum Material Density:

- 2100 kg/m³
- ⊙ 1800 kg/m³
- ⊖ 1500 kg/m³
- 1200 kg/m³
- ◇ 900 kg/m³

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.

336F XE Hydraulic Excavator Specifications

Work Tool Offering Guide*

Boom Type	Reach Boom HD		Mass Boom
Stick Size	3.2 HD	2.8 HD	2.55
Counterweight	Heavy	Heavy	Heavy
Hydraulic Hammer	H140E s H160E s	H140E s H160E s	H140E s H160E s **
Multi-Processor	MP324 CC Jaw MP324 D Jaw MP324 P Jaw MP324 S Jaw MP324 TS Jaw MP324 U Jaw MP30 CC Jaw MP30 CR Jaw MP30 PP Jaw ** ^ MP30 PS Jaw MP30 S Jaw ^^ MP30 TS Jaw ***	MP324 CC Jaw MP324 D Jaw MP324 P Jaw MP324 S Jaw MP324 TS Jaw MP324 U 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 ** ^
Pulverizer	P225 P235	P225 P235	P235
Crusher	P325 P335	P325 P335	P335
Demolition and Sorting Grapple	G325B-D/R G330	G325B-D/R G330	G330
Scrap and Demolition Shear	S325B S340B *** # S365C ##	S325B S340B *** S365C ##	S340B ** ^ S365C ##
Compactor (Vibratory Plate)	CVP110	CVP110	CVP110
Orange Peel Grapple			
Rippers			
Pin Grabber Coupler	Cat-PG		
Dedicated Quick Coupler	CW-45 CW-45S		

These work tools are available for the 336F L XE.
Consult your Cat dealer for proper match.

* Offerings not available in all areas. Matches are dependent on excavator configurations. Consult your Cat dealer to determine what is offered in your area and for proper work tool match.

** Match; Pin-on or CW coupler

*** Match; Pin-on only

Match; Boom Mount

Work over the front only

^ Work over the front only with CW coupler (match; Pin-on and CW)

^^ Work over the front only with Cat-PG (match; Pin-on, CW and Cat-PG)

Note: Demolition and Sorting Grapple: D-Demolition shells, R-Recycling shells

Standard Equipment

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

CAB

- Parallel wiper and washer
- Mirrors
- Pressurized operator station with positive filtration
- Laminated glass front upper window and tempered other windows
- Sliding upper door window (left-hand cab door)
- Openable skylight
- Interior:
 - Glass-breaking safety hammer
 - Coat hook
 - Beverage holder
 - Literature holder
 - Interior lighting
 - AM/FM radio mounting (DIN size)
 - 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
 - Air conditioner, heater and defroster with climate control
- Seat:
 - Seat belt, 51 mm
 - 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
- 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

ELECTRICAL

- 80 amp alternator
- Circuit breaker
- Battery, standard

ENGINE

- Cat C9.3 ACERT diesel engine
- Meets EU Stage IV emissions standards
- 2300 m altitude capability with no derate
- Biodiesel capable, up to B20
- Automatic engine speed control
- Electric priming pump
- Water separator in fuel line including water level sensor and indicator
- Economy and standard power modes
- Air cleaner
- Radial seal air filter
- Side-by-side cooling system
- Primary filter with water separator and water separator indicator switch
- Starting kit, cold weather, –18° C
- Fuel differential indicator switch in fuel line
- 2×4 micron main filters and 1×10 micron primary filter in fuel line
- Water level indicator for water separator

HYDRAULIC SYSTEM

- Automatic swing parking brake
- High-performance hydraulic return filter
- Regeneration circuit for boom and stick
- Capability of installing additional auxiliary circuits
- Bio oil capable

LIGHTS

- Cab and boom lights with time delay
- Exterior lights integrated into storage box

UNDERCARRIAGE/UPPERFRAME

- Grease Lubricated Track GLT2, resin seal
- Heavy duty track roller and idler
- Towing eye on base frame
- Counterweight, 6100 kg
- Long or Long Narrow undercarriage

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
- Rear window for emergency exit
- Rear vision camera
- Capability to connect a beacon
- Bolt on FOGS capability

INTEGRATED TECHNOLOGIES

- Product Link
- Rear vision camera
- Cat Grade Control
- Cat Production Measurement

Optional Equipment

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

FRONT LINKAGE

- Heavy Duty Reach Boom 6.5 m (with BLCV/SLCV)
 - HD R3.2 DB (with CGC)
 - HD R2.8 DB (with CGC)
 - DB-family bucket linkage (with lifting eye)
- Mass boom 6.18 m (with BLCV/SLCV)
 - M2.55 TB
 - TB-family bucket linkage (with lifting eye)
- Quick couplers (CW Dedicated Quick Coupler, Pin Grabber)

TRACK

- 850 mm Triple Grouser (Long)
- 700 mm Triple Grouser (Long)
- 600 mm Double Grouser (Long)
- 600 mm Triple Grouser HD (Long and Long Narrow undercarriages)

GUARDS

- FOGS (Falling Object Guard System) including overhead and windshield guards
- Front windshield guard
- Track guiding guards
 - Full length
 - Center

LIGHTS

- Cab working lights, halogen

CAB

- Seat:
 - Adjustable high-back, heated and ventilated seat with air suspension
- Cab front rain protector
- Windshield:
 - 70-30 split, sliding, removable lower windshield with in cab storage bracket
 - One-piece, fixed
- Straight travel pedal
- Sun screen

HYDRAULIC SYSTEM

- Boom and stick lowering control devices with SmartBoom
- HP hydraulic lines for boom and stick
- MP hydraulic lines for boom and stick
- QC hydraulic lines for boom and stick
- QC control
- Bio oil

ELECTRICAL

- Cold weather starting package, 240V
- Travel alarm
- Electric refueling pump

ENGINE

- Quick drains, engine and hydraulic oil (QuickEvac)

SAFETY AND SECURITY

- Cat MSS (anti-theft device)
- FOGS (Falling Object Guard System) including overhead and windshield guards

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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