

# 336E L

Hydraulic Excavator



## Engine

Engine Model

Cat® C9.3 (ATAAC)

Net Power – ISO 14396

236 kW (321 hp)

## Drive

Maximum Travel Speed

4.9 km/h

Maximum Drawbar Pull

295 kN

## Weight

Minimum Weight

36 144 kg

Maximum Weight

38 686 kg

## Introduction

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

The first model in the new family, the 336E, meets today's European Union emission standards. It is also built with several new fuel-saving and comfort-enabling features and benefits that will delight owners and operators.

If you are looking for more productivity and comfort, less fuel consumption and emissions, and easier and more sensible serviceability, you will find it in the all-new 336E and the E Series family of excavators.



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# Hydraulics

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

## Hydraulic Horsepower

Hydraulic horsepower is the actual machine power available to do work through implements and work tools. It's much more than just the engine power under the hood – it's a core strength that differentiates Cat® machines from other brands. In fact, hydraulic horsepower for the 336E increased from the previous series' output due to pump and other system improvements. This translates into the new E Series moving more material in less time.

## Main Control Valve and Auxiliary Valves

The 336E uses a high-pressure system to tackle the toughest of work in short order. A new one-piece, cast-block, back-to-back main control valve features resized and reshaped oil passages to improve efficiency and serviceability; stackable auxiliary valve attachments mount on top of the main valve, which allows for auxiliary hydraulic lines and valve configurations to be simplified for greater reliability.

## Return Filter

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

## SmartBoom™

SmartBoom reduces stress and vibrations transmitted to the machine and provides a more comfortable environment for the operator. It is particularly well suited for certain applications like rock scraping and hammer work.

For rock scraping, SmartBoom simplifies the task and allows the operator to concentrate on the stick and bucket while the boom freely goes up and down without using pump flow. For hammer work, the front parts automatically follow the hammer while penetrating the rock. Blank shots or excessive force on the hammer are avoided, resulting in longer life for the hammer and the machine. There are similar advantages with vibratory plates.

## Electric Boom Regeneration Valve

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

## Stick Regeneration Circuit

The 336E regenerates the flow of oil from the rod end of the stick cylinder to the head end of the stick cylinder during low-load, stick-in operation – an approach that saves energy and expense.



# Operator Station

Comfort and convenience to keep people productive



## Seats

The seat range includes air suspension, heated, and air cooled options. All seats include a reclining back, upper and lower seat slide adjustments, and height and tilt angle adjustments to meet operator needs for comfort and productivity.

## Controls

The right and left joystick consoles can be adjusted to meet individual preferences, improving operator comfort and productivity during the course of a day. With the touch of a button, one-touch idle reduces engine speed to help save fuel; touch it again or move the joystick and the machine returns to normal operating level. The heavy lift mode increases machine system pressure to improve lift – a nice benefit in certain situations. Heavy lift mode also reduces engine speed and pump flow in order to improve controllability.

## Monitor

The 336E is equipped with a 7" LCD (Liquid Crystal Display) monitor that's 40% bigger than the previous model's with higher resolution for better visibility. In addition to an improved keypad and added functionality, it's programmable to provide information in a choice of 42 languages to support today's diverse workforce.

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

The image of the rearview camera is displayed directly on the monitor. Up to two different camera images can be displayed on the screen at the same time.

## Power Supply

Two 12-volt power supply sockets are located near key storage areas for charging electronic devices.

## Storage

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

## Automatic Climate Control

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





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# Engine

Reduced emissions, economical and reliable performance

## Cat® C9.3 ACERT™ Engine

The Cat® C9.3 ACERT engine delivers performance and efficiency while meeting EU Stage IIIB emission standards. ACERT Technology – a combination of electronics, fuel systems, air management systems, and aftertreatment components – is key to meeting customer expectations for productivity, fuel efficiency, reliability, and service life.

### Emissions Solution

The Cat NO<sub>x</sub> Reduction System captures and cools a small quantity of exhaust gas and then routes it into the combustion chamber where it drives down temperatures to reduce emissions. System components include a Diesel Oxidation Catalyst (DOC), which uses a chemical process to convert regulated emissions in the exhaust system, and a Diesel Particulate Filter (DPF) that traps particulate matter carried into the exhaust stream. The DOC, DPF, and Cat Regeneration System are contained in a Caterpillar designed Clean Emissions Module that protects the components, minimizes aftertreatment, and simplifies maintenance.

The Cat Regeneration System is designed to work transparently without any operator interaction needed. Under most operating conditions, engine exhaust oxidizes soot through passive regeneration. If supplemental regeneration is needed, the Cat Regeneration System elevates exhaust gas temperatures to burn off soot in the DPF. This process happens automatically, but the operator can initiate the cycle if needed with a switch on the dash panel.

### Cooling System

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

### Speed and Power Control

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



# Structures and Undercarriage

Built to work in rugged environments

## Frame

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

## Undercarriage

Long and Long Narrow undercarriage systems are available to support various work applications.

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

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

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

## Counterweight

A standard 6.0 mt counterweight is available. Designed to match the height of the machine, the counterweight is bolted directly to the main frame using four M36 bolts for rigidity and features an integrated housing for the rearview camera.

# Front Linkage

Made for high stress and long service life

## Booms and Sticks

The 336E is offered with a range of booms and sticks. Each is built with internal baffle plates and stress-relieved for added durability, and each undergoes ultrasound inspection to ensure quality and reliability. Large box-section structures with thick, multi-plate fabrications, castings, and forgings are used in high-stress areas such as the boom nose, boom foot, boom cylinder, and stick foot to improve durability. Also, the boom nose pin retention method is a captured flag design for enhanced durability.

## Selections

There are three boom and stick options: HD, ES, and ME. Sticks match the HD, ES, and ME boom descriptions and applications below.

**HD = Heavy Duty.** This boom is designed to balance reach, digging force, and bucket capacity. It covers the vast majority of applications such as digging, loading, trenching, and working with hydraulic tools.

**ES = Extreme Service.** This configuration will do multipurpose digging and loading, but its added weight makes it more durable and better suited for highly demanding applications. The bucket and tool matching guides help identify which conditions require the ES front.

**ME = Mass Excavation.** This type of boom is best used for quarry and other demanding applications. Used for high-volume production and loading, the ME front provides higher digging forces due to the geometry of the boom and stick. Bucket linkage and cylinders are more durable for excellent productivity in harsh applications.



# Work Tools

Dig, hammer, rip, and cut with confidence

An extensive range of Cat Work Tools for the 336E includes buckets, hydraulic hammers, multi-processors, scrap and demolition shears, grapples, and rippers. Each is designed to optimize machine versatility and performance.

## CW Quick Couplers

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

The CW quick coupler can pick up any work tool and is equipped with a wedge-style locking system that fits the quick coupler tight to the tool hinges. Due to the tapered wedge design, there won't be any play during its entire life. Also, it is interchangeable with different machine classes. The CW is highly suitable for harsh applications such as demolition and quarries.





## Buckets

Cat buckets are designed as an integral part of the 336E excavator and feature new geometry for better performance. The leading edge has been pushed forward, resulting in more efficient filling and better operator control for greatly improved productivity.

Wear coverage in the corners and side cutter and sidebar protector coverage are improved.

### Four Durability Categories Suitable for Any Situation

Caterpillar offers four standard bucket categories for excavators. Each category is based on intended bucket durability when used in recommended application and material. Each bucket durability is available as pin-on, or can be used with a Quick Coupler. Red areas on bucket images illustrate additional protection against wear as it increases across each category.

#### General Duty (GD)

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

#### Heavy Duty (HD)

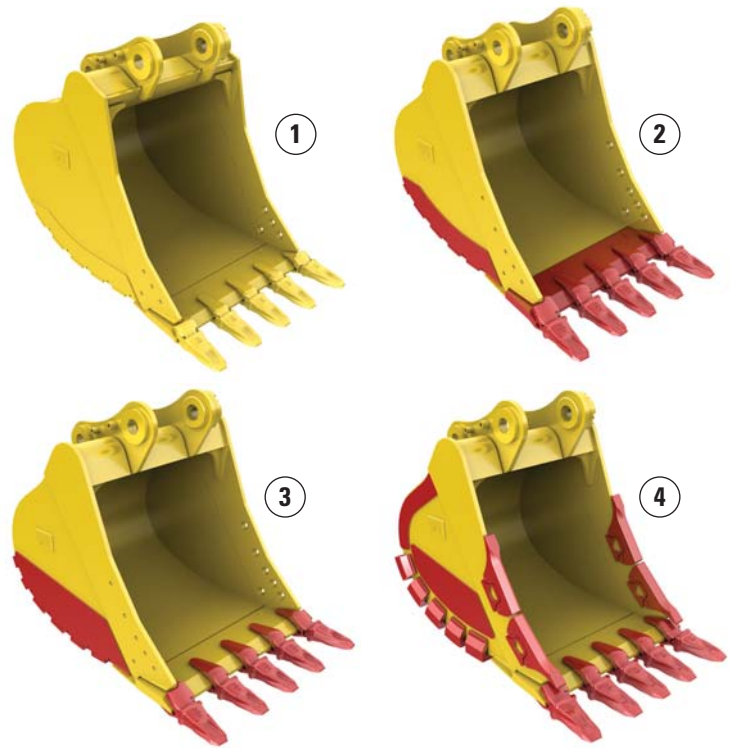
The most popular bucket style, HD buckets are a good starting point when digging conditions are not well known like a wide range of impact and abrasion conditions that include mixed dirt, clay, and rock.

#### Severe Duty (SD)

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

#### Extreme Duty (XD)

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



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



# Integrated Technologies

Solutions that make work easier and more efficient

## Electric Boom and Stick Regeneration Valve

The 336E features unique electric boom and stick regeneration valves. The valves use gravity during typical “boom down” or “stick in” operations to regenerate flow of oil from the head end of the cylinder to the rod end of the cylinder instead of sending it all the way back to the hydraulic tank. This distinct Caterpillar solution increases efficiency and reduces cycle times and pressure loss for higher productivity and lower fuel costs.

## Cat® Grade Control Depth and Slope

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

## Cat Product Link\*

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

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



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# Serviceability

Fast, easy and safe access built in

## Ground-Level Maintenance

The machine is designed to accommodate servicing most maintenance items from the safety and comfort of ground level.

## Service Doors

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

## Compartments

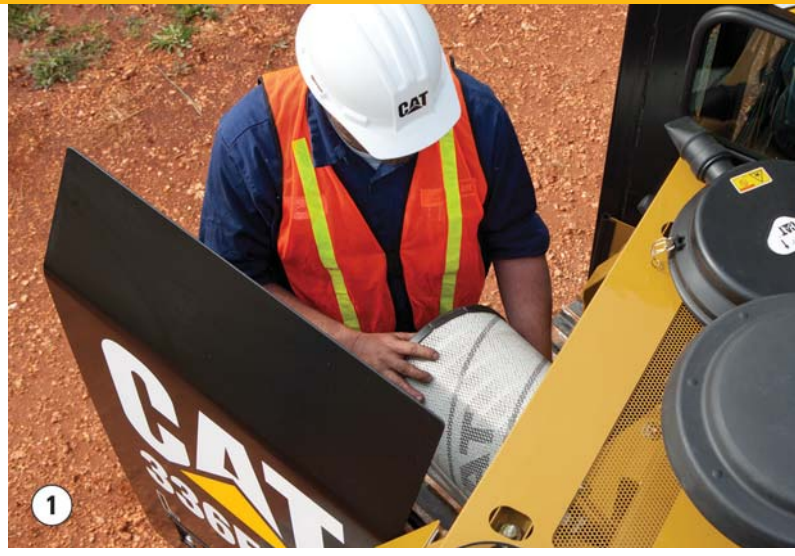
The radiator, pump, and air cleaner (1) compartments provide easy access to major components. When an air cleaner plugs, a warning is displayed on the monitor inside the cab. Also, the fresh air filter (2) is located on the side of the cab to make it easier to reach and replace as needed.

## Other Service Improvements

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

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

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



# Safety

Features to help protect people



## **ROPS Cab**

The ROPS-certified cab allows a Falling Object Guard Structure (FOGS) to be bolted directly to it.

## **Sound Proofing**

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

## **Anti-Skid Plates**

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

## **Steps, Hand and Guard Rails**

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

## **Time Delay Cab and Boom Lights**

After the engine start key has been turned to the “OFF” position, lights will be illuminated to enhance visibility. The time delay can vary from 0 to 90 seconds, which can be set through the monitor.

## **High Intensity Discharge (HID) Lights**

Cab lights can be upgraded to HID for greater visibility.

## **Visibility – Windows**

Two windshield options are available: The 70/30 split configuration features an upper window equipped with handles on the top and both sides so the operator can slide it to store in the ceiling. The lower window is removable and can be stored on the left wall of the cab shell. A one-piece fixed front windshield provides operators an unobstructed forward view.

The large skylight provides great overhead visibility, excellent natural lighting, and good ventilation. The skylight can be opened completely to become an emergency exit.

## **Wiper System**

Designed to maximize visibility in poor weather conditions, the parallel wiper system covers most of the front window without leaving unwiped areas in the line of sight of the operator. The wiper motor is integrated to the upper frame so that it does not obstruct any part of the forward view.

## **Monitor Warning System**

The monitor is equipped with a buzzer that can warn operators of critical events so they can take any necessary action.

## **Rearview Camera**

The standard rearview camera (2) is housed in the counterweight. The image projects through the cab monitor to give the operator a clear view of what is behind the machine.



# Complete Customer Care

Service you can count on

## **Product Support**

Cat dealers utilize a worldwide parts network to minimize machine downtime. Plus you can save money with Cat remanufactured components.

## **Machine Selection**

Make detailed comparisons of machines you are considering. What are the job requirements and machine attachments? What production is needed? Your Cat dealer can provide recommendations.

## **Purchase**

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

## **Customer Support Agreements**

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

## **Operation**

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

## **Replacement**

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



# Sustainability

Generations ahead in every way

- The C9.3 ACERT engine, along with the Cat Clean Emissions Module (CEM), meets EU Stage IIIB emission standards.
- The 336E generates 11% more horsepower, moves more material, and burns less fuel than the D Series machine, which means more efficiency and productivity with less resource consumption and fewer CO<sub>2</sub> emissions.
- The 336E has the flexibility of running on either ultra-low-sulfur diesel (ULSD) fuel with 15 ppm of sulfur or less or biodiesel (B20) fuel blended with ULSD.
- The 336E features an overfill indicator that rises when the tank is full to help the operator avoid spilling.
- The 336E's quick fill ports with connectors ensure fast, easy, and secure changing of engine and hydraulic oil.
- The 336E is built to be rebuilt with major structures and components remanufactured to reduce waste and replacement costs.

# 336E L Hydraulic Excavator Specifications

## Engine

Engine Model	Cat® C9.3 (ATAAC)
Net Power – ISO 14396	236 kW
Net Power – ISO 14396	316 hp (Imperial)
Net Power – ISO 14396	321 hp (Metric)
Bore	115 mm
Stroke	149 mm
Displacement	9.3 L

## Weights

Minimum Weight*	36 144 kg
Maximum Weight**	38 686 kg

\*HD Reach boom, R2.8DB stick, 2.28 m<sup>3</sup> GP bucket, 600 mm TG shoes.

\*\*Mass boom, M2.55TB stick, no bucket, 850 mm TG shoes.

## Hydraulic System

Main System – Maximum Flow (Total)	578 L/min
Swing System – Maximum Flow	275 L/min
Maximum Pressure – Equipment	35 000 kPa
Maximum Pressure – Equipment (Heavy Lift)	38 000 kPa
Maximum Pressure – Travel	35 000 kPa
Maximum Pressure – Swing	28 000 kPa
Pilot System – Maximum Flow	26 L/min
Pilot System – Maximum Pressure	4100 kPa
Boom Cylinder – Bore	150 mm
Boom Cylinder – Stroke	1440 mm
Stick Cylinder – Bore	170 mm
Stick Cylinder – Stroke	1738 mm
DB Family Bucket Cylinder – Bore	150 mm
DB Family Bucket Cylinder – Stroke	1151 mm
TB Family Bucket Cylinder – Bore	160 mm
TB Family Bucket Cylinder – Stroke	1356 mm

## Drive

Maximum Travel Speed	4.9 km/h
Maximum Drawbar Pull	295 kN

## Swing Mechanism

Swing Speed	9.2 rpm
Swing Torque	109 kN·m

## Service Refill Capacities

Fuel Tank Capacity	620 L
Cooling System	56 L
Engine Oil (with filter)	30.5 L
Swing Drive (each)	19 L
Final Drive (each)	8 L
Hydraulic System (including tank)	380 L
Hydraulic Tank	175 L

## Track

Number of Shoes (each side)	
Long Undercarriage	49
Number of Track Rollers (each side)	
Long Undercarriage	9
Number of Carrier Rollers (each side)	
Long Undercarriage	2

## Sound Performance

Operator Noise ISO 6396	72 dB(A)
Exterior Sound	105 dB(A)

- When properly installed and maintained, the cab offered by Caterpillar, when tested with doors and windows closed according to ISO 6396, meets 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.

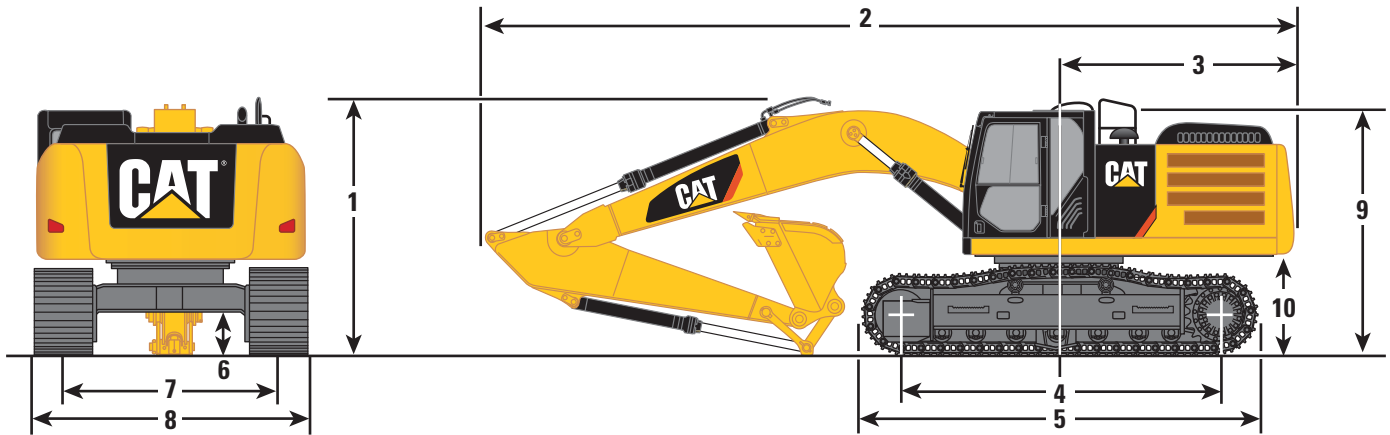
## Standards

Brakes	ISO 10265 2008
Cab/FOGS	ISO 10262 1998
Cab/ROPS	ISO 12117 2008

# 336E L Hydraulic Excavator Specifications

## Dimensions

All dimensions are approximate.

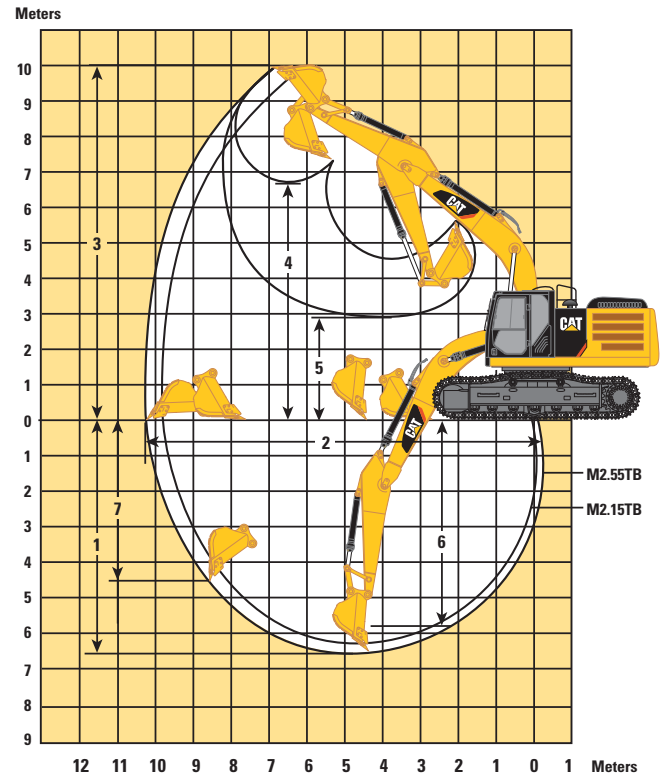
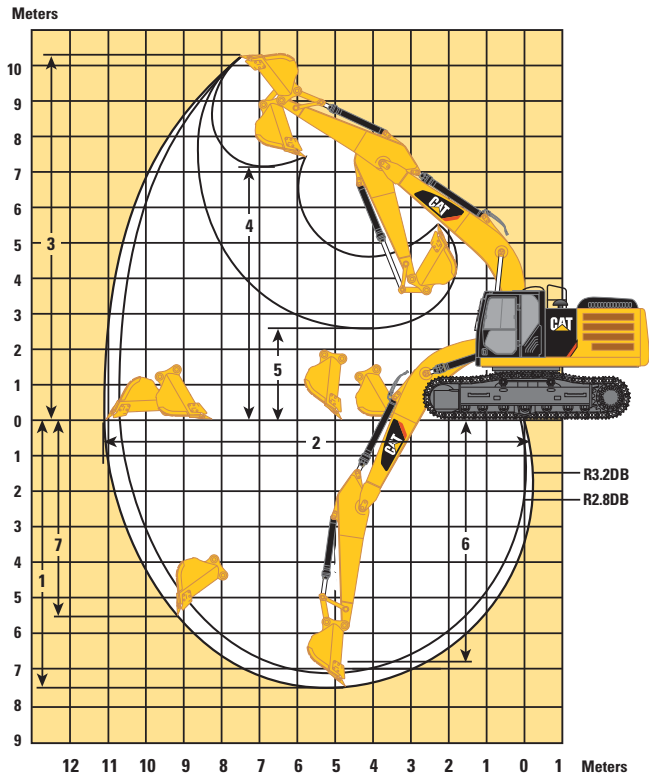


Stick	Extreme Service and Heavy Duty Reach Booms 6.50 m		Mass Boom 6.18 m	
	R3.2DB mm	R2.8DB mm	M2.55TB mm	M2.15TB mm
<b>1</b> Shipping Height (with Shoe Lug Height)	3510	3650	3600	3660
Shipping Height with Top Guard	3510	3510	3510	3660
<b>2</b> Shipping Length	11 160	11 190	10 890	11 170
<b>3</b> Tail Swing Radius	3500	3500	3500	3500
<b>4</b> Length to Center of Rollers				
Long Undercarriage	4040	4040	4040	4040
Long Narrow Undercarriage	4040	4040	4040	4040
<b>5</b> Track Length				
Long Undercarriage	5020	5020	5020	5020
Long Narrow Undercarriage	5020	5020	5020	5020
<b>6</b> Ground Clearance				
With Shoe Lug Height	510	510	510	510
Without Shoe Lug Height	480	480	480	480
<b>7</b> Track Gauge				
Long Undercarriage	2590	2590	2590	2590
Long Narrow Undercarriage	2390	2390	2390	2390
<b>8</b> Transport Width				
Long Undercarriage – 600 mm Shoes	3190	3190	3190	3190
Long Undercarriage – 700 mm Shoes	3290	3290	3290	3290
Long Undercarriage – 800 mm Shoes	3390	3390	3390	3390
Long Undercarriage – 850 mm Shoes	3440	3440	3440	3440
Long Narrow Undercarriage – 600 mm Shoes	2990	2990	2990	2990
Long Narrow Undercarriage – 700 mm Shoes	3090	3090	3090	3090
<b>9</b> Cab Height	3150	3150	3150	3150
Cab Height with Top Guard	3360	3360	3360	3360
<b>10</b> Counterweight Clearance (without Shoe Lug Height)	1220	1220	1220	1220



## Working Ranges

All dimensions are approximate.



### Extreme Service and Heavy Duty Reach Booms 6.50 m

### Mass Boom 6.18 m

Stick	R3.2DB	R2.8DB	M2.55TB	M2.15TB
	mm	mm	mm	mm
1 Maximum Digging Depth	7490	7090	6650	6250
2 Maximum Reach at Ground Level	11 020	10 710	10 260	9830
3 Maximum Cutting Height	10 320	10 370	9970	9630
4 Maximum Loading Height	7110	7110	6620	6340
5 Minimum Loading Height	2610	3010	2920	3330
6 Maximum Depth Cut for 2440 mm Level Bottom	6820	6390	5810	5280
7 Maximum Vertical Wall Digging Depth	5500	5470	4450	3810

# 336E L Hydraulic Excavator Specifications

## Operating Weight and Ground Pressure

	850 mm Triple Grouser Shoes		800 mm Triple Grouser Shoes		700 mm Triple Grouser Shoes		600 mm Triple Grouser Shoes	
	kg	kPa	kg	kPa	kg	kPa	kg	kPa
<b>Long Undercarriage</b>								
HD Reach Boom – 6.50 m								
R3.2DB	37 532	51.9	37 251	56.6	36 567	63.4	36 241	73.3
R2.8DB	37 425	51.8	37 144	56.4	36 460	63.2	36 134	73.1
ES Reach Boom – 6.50 m								
R3.2DB	38 015	52.6	37 734	57.3	37 050	64.2	36 725	74.3
Mass Boom – 6.18 m								
M2.55TB	38 686	53.5	38 405	58.3	37 721	65.4	37 395	75.6
M2.15TB	38 604	53.4	38 323	58.2	37 639	65.3	37 313	75.4
<b>Long Narrow Undercarriage</b>								
HD Reach Boom – 6.50 m								
R3.2DB	NA	NA	NA	NA	36 447	63.2	36 001	72.8
R2.8DB	NA	NA	NA	NA	36 340	63.0	35 894	72.6
ES Reach Boom – 6.50 m								
R3.2DB	NA	NA	NA	NA	36 930	64.0	36 484	73.8
Mass Boom – 6.18 m								
M2.55TB	NA	NA	NA	NA	37 601	65.2	37 155	75.1
M2.15TB	NA	NA	NA	NA	37 519	65.0	37 073	75.0

Operating weight does not include a bucket.

## Major Component Weights\*

	kg
Lower Structure (without counterweight and track)	
Long Undercarriage	9142
Long Narrow Undercarriage	9022
Upper Structure (without front linkage)	
For 6.0 mt counterweight	9677
Counterweight	
6.0 mt	6000
Boom (includes lines, pins and stick cylinder)	
HD Reach Boom – 6.50 m	3915
ES Reach Boom – 6.50 m	4187
Mass Boom – 6.18 m	4085
Stick (includes lines, pins and bucket cylinder)	
R3.2DB HD	1881
R3.2DB ES	2092
R2.8DB HD	1774
M2.55TB	2216
M2.15TB	2134
Track Shoe (Long)	
850 mm Triple Grouser	5371
800 mm Triple Grouser	5090
700 mm Triple Grouser	4406
600 mm Triple Grouser HD	4720
600 mm Triple Grouser	4080
600 mm Double Grouser	4910
Buckets	
DB1536GP-C 342-2192 SAE 2.28 m <sup>3</sup>	1556
TB1676SD 339-3748 SAE 2.41 m <sup>3</sup>	2205

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

# 336E L Hydraulic Excavator Specifications

## Bucket and Stick Forces

Stick	Extreme Service and Heavy Duty Reach Booms 6.50 m		Mass Boom 6.18 m	
	R3.2DB	R2.8DB	M2.55TB	M2.15TB
	kN	kN	kN	kN
General Duty				
Bucket Digging Force (ISO)	211.8	211.8	264.9	264.9
Stick Digging Force (ISO)	166.7	185.5	190.8	222.2
Heavy Duty				
Bucket Digging Force (ISO)	209.9	209.9	264.9	264.9
Stick Digging Force (ISO)	166.1	184.8	190.8	222.2
Severe Duty				
Bucket Digging Force (ISO)	209.9	209.9	261.4	261.4
Stick Digging Force (ISO)	166.1	184.8	190.2	221.4

## Tip Radius

	Extreme Service and Heavy Duty Reach Booms	Mass Boom
General Duty	1753 mm	1865 mm
Heavy Duty	1753 mm	1865 mm
Severe Duty	1753 mm	1865 mm

## 336E L Reach Boom Lift Capacities



Load Point Height



Load at Maximum Reach



Load Radius Over Front



Load Radius Over Side

**Boom** – 6.50 m ES

**Counterweight** – 6.0 mt

**Bucket** – None

**Stick** – R3.2DB ES

**Shoes** – 600 mm double grouser

Load Point Height	kg	1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		m		
		Front	Side	Front	Side	Front	Side	Front	Side	Front	Side	Front	Side	Front	Side	
7.5 m	kg									*8600	7350			*7300	7000	7.70
6.0 m	kg									*8700	7250			*7100	5750	8.58
4.5 m	kg					*13 300	*13 300	*10 700	9950	*9350	7000	8150	5200	*7150	5050	9.13
3.0 m	kg					*16 850	14 100	*12 350	9300	*10 200	6700	8050	5050	*7450	4700	9.40
1.5 m	kg					*19 350	13 100	*13 850	8750	10 350	6400	7850	4900	7300	4550	9.43
Ground Line	kg					*20 200	12 650	14 150	8400	10 100	6200	7750	4800	7500	4650	9.22
-1.5 m	kg			*14 400	*14 400	*19 800	12 550	14 000	8250	10 000	6100			8050	4950	8.74
-3.0 m	kg			*22 750	*22 750	*18 350	12 700	*13 950	8300	10 050	6150			9250	5700	7.96
-4.5 m	kg			*20 600	*20 600	*15 500	13 050	*11 750	8550					*9900	7300	6.75
-6.0 m	kg													*9550	7050	6.63

**Boom** – 6.50 m HD

**Counterweight** – 6.0 mt

**Bucket** – None

**Stick** – R3.2DB HD

**Shoes** – 600 mm double grouser

Load Point Height	kg	1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		m		
		Front	Side	Front	Side	Front	Side	Front	Side	Front	Side	Front	Side	Front	Side	
7.5 m	kg									*8800	7450			*7400	7100	7.70
6.0 m	kg									*8900	7400			*7200	5900	8.58
4.5 m	kg					*13 500	*13 500	*10 900	10 050	*9550	7150	8300	5350	*7250	5200	9.13
3.0 m	kg					*17 150	14 300	*12 600	9500	*10 450	6850	8150	5200	*7550	4850	9.40
1.5 m	kg					*19 750	13 400	*14 100	8950	10 500	6600	8000	5100	7450	4750	9.43
Ground Line	kg					*20 600	12 950	14 350	8650	10 300	6400	7900	5000	7650	4800	9.22
-1.5 m	kg			*14 500	*14 500	*20 200	12 900	14 200	8500	10 150	6300			8200	5150	8.74
-3.0 m	kg			*22 850	*22 850	*18 750	13 000	14 250	8550	10 200	6350			9400	5900	7.96
-4.5 m	kg			*21 100	*21 100	*15 900	13 300	*12 050	8750					*10 200	7500	6.75
-6.0 m	kg					*10 900	*10 900							*10 450	9900	5.39

\*Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories must be deducted from the above lifting capacities. Lifting capacities are based on the machine standing on a firm, uniform supporting surface. The use of a work tool attachment point to handle/lift objects, could affect the machine lift performance.

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

# 336E L Hydraulic Excavator Specifications

## 336E L Reach Boom Lift Capacities



Load Point Height



Load at Maximum Reach



Load Radius Over Front



Load Radius Over Side

















**Boom** – 6.50 m HD

**Counterweight** – 6.0 mt

**Bucket** – None

**Stick** – R2.8DB HD

**Shoes** – 600 mm triple grouser HD

	1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		9.0 m				m	
																
7.5 m	kg													*9400	7600	7.33
6.0 m	kg						*10 100	*10 100	*9450	7300				*9000	6200	8.25
4.5 m	kg					*14 600	*14 600	*11 500	9900	*10 000	7100			8500	5450	8.82
3.0 m	kg					*18 150	14 000	*13 150	9350	10 750	6800	8100	5200	7950	5100	9.11
1.5 m	kg					*17 400	13 200	*14 500	8900	10 450	6550	8000	5100	7800	4950	9.14
Ground Line	kg					*20 450	12 950	14 300	8650	10 250	6400			8000	5050	8.92
-1.5 m	kg			*13 550	*13 550	*19 900	12 950	14 200	8550	10 200	6350			8700	5450	8.42
-3.0 m	kg			*23 800	*23 800	*18 100	13 100	*13 950	8600	10 300	6450			10 100	6350	7.60
-4.5 m	kg			*19 050	*19 050	*14 800	13 450	*11 050	8900					*10 100	8350	6.32
-6.0 m	kg															

\*Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories must be deducted from the above lifting capacities. Lifting capacities are based on the machine standing on a firm, uniform supporting surface. The use of a work tool attachment point to handle/lift objects, could affect the machine lift performance.

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

## 336E L Mass Boom Lift Capacities



Load Point Height



Load at Maximum Reach



Load Radius Over Front



Load Radius Over Side

**Boom** – 6.18 m

**Counterweight** – 6.0 mt

**Bucket** – None

**Stick** – M2.55TB

**Shoes** – 600 mm triple grouser HD

Load Point Height	kg	1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		m		
		Front	Side	Front	Side	Front	Side	Front	Side	Front	Side	Front	Side	Front	Side	
7.5 m	kg							*10 300	*10 300					*9100	8850	6.58
6.0 m	kg							*10 650	10 200	*9900	7050			*8700	6900	7.59
4.5 m	kg					*14 850	*14 850	*11 800	9750	*10 400	6900			*8650	5950	8.21
3.0 m	kg					*18 150	13 850	*13 300	9200	10 550	6650			8650	5500	8.51
1.5 m	kg					*20 200	13 050	14 450	8750	10 300	6400			8500	5350	8.55
Ground Line	kg					*20 450	12 800	14 150	8500	10 150	6250			8750	5450	8.31
-1.5 m	kg			*18 400	*18 400	*19 400	12 800	14 100	8400	10 100	6250			9650	5950	7.78
-3.0 m	kg			*22 250	*22 250	*17 150	13 000	*13 050	8550					*10 800	7150	6.88
-4.5 m	kg					*12 650	*12 650							*10 050	*10 050	5.43
-6.0 m	kg															

**Boom** – 6.18 m

**Counterweight** – 6.0 mt

**Bucket** – None

**Stick** – M2.15TB

**Shoes** – 600 mm triple grouser HD

Load Point Height	kg	1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		m		
		Front	Side	Front	Side	Front	Side	Front	Side	Front	Side	Front	Side	Front	Side	
7.5 m	kg							*11 150	10 200					*11 150	10 100	6.03
6.0 m	kg							*11 250	10 100					*10 750	7600	7.12
4.5 m	kg					*15 800	14 850	*12 400	9650	10 800	6850			10 150	6450	7.77
3.0 m	kg							*13 750	9100	10 550	6650			9350	5900	8.10
1.5 m	kg							14 400	8700	10 300	6400			9150	5750	8.13
Ground Line	kg					*20 200	12 800	14 200	8500	10 200	6300			9500	5900	7.88
-1.5 m	kg			*19 400	*19 400	*18 850	12 900	14 150	8500					10 600	6550	7.32
-3.0 m	kg			*20 100	*20 100	*16 200	13 150	*12 350	8700					*11 350	8100	6.35
-4.5 m	kg													*10 050	*10 050	5.43
-6.0 m	kg															

\*Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories must be deducted from the above lifting capacities. Lifting capacities are based on the machine standing on a firm, uniform supporting surface. The use of a work tool attachment point to handle/lift objects, could affect the machine lift performance.

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

# 336E L Hydraulic Excavator Specifications

## 336E LN Reach Boom Lift Capacities



Load Point Height



Load at Maximum Reach



Load Radius Over Front



Load Radius Over Side

**Boom** – 6.50 m HD  
**Stick** – R3.2DB HD

**Counterweight** – 6.0 mt  
**Shoes** – 600 mm triple grouser

**Bucket** – None

Load Point Height	Unit	1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		Load at Maximum Reach		m
		Front	Side	Front	Side	Front	Side	Front	Side	Front	Side	Front	Side	Front	Side	
7.5 m	kg									*8800	6800			*7400	6450	7.70
6.0 m	kg									*8900	6700			*7200	5350	8.58
4.5 m	kg					*13 500	*13 500	*10 900	9100	*9550	6500	8150	4850	*7250	4700	9.13
3.0 m	kg					*17 150	12 800	*12 600	8550	*10 450	6200	8000	4700	7450	4400	9.40
1.5 m	kg					*19 700	11 900	*14 100	8050	10 250	5950	7850	4550	7300	4250	9.43
Ground Line	kg					*20 550	11 500	14 050	7750	10 050	5750	7750	4450	7450	4350	9.22
-1.5 m	kg			*14 500	*14 500	*20 150	11 450	13 900	7600	9950	5650			8000	4600	8.74
-3.0 m	kg			*22 850	22 700	*18 700	11 550	13 900	7650	10 000	5700			9200	5300	7.96
-4.5 m	kg			*21 050	*21 050	*15 900	11 850	*12 050	7850					*10 200	6750	6.75
-6.0 m	kg															

**Boom** – 6.50 m HD  
**Stick** – R2.8DB HD

**Counterweight** – 6.0 mt  
**Shoes** – 600 mm triple grouser

**Bucket** – None

Load Point Height	Unit	1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		Load at Maximum Reach		m
		Front	Side	Front	Side	Front	Side	Front	Side	Front	Side	Front	Side	Front	Side	
7.5 m	kg													*9400	6950	7.33
6.0 m	kg							*10 100	9500	*9450	6650			*9000	5650	8.25
4.5 m	kg					*14 600	13 800	*11 500	9000	*10 000	6450			8350	4950	8.82
3.0 m	kg					*18 150	12 600	*13 150	8500	10 550	6200	8000	4700	7850	4600	9.11
1.5 m	kg					*17 400	11 800	14 350	8050	10 250	5950	7850	4600	7700	4500	9.14
Ground Line	kg					*20 450	11 550	14 050	7750	10 100	5750			7900	4600	8.92
-1.5 m	kg			*13 550	*13 550	*19 900	11 550	13 950	7700	10 000	5700			8550	4950	8.42
-3.0 m	kg			*23 800	23 050	*18 100	11 700	*13 950	7750	10 100	5800			9950	5700	7.60
-4.5 m	kg			*19 050	*19 050	*14 800	12 050	*11 050	8050					*10 100	7550	6.32
-6.0 m	kg															

\*Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories must be deducted from the above lifting capacities. Lifting capacities are based on the machine standing on a firm, uniform supporting surface. The use of a work tool attachment point to handle/lift objects, could affect the machine lift performance.

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



## 336E LN Mass Boom Lift Capacities



Load Point Height



Load at Maximum Reach



Load Radius Over Front



Load Radius Over Side

**Boom** – 6.18 m

**Counterweight** – 6.0 mt

**Bucket** – None

**Stick** – M2.55TB

**Shoes** – 600 mm triple grouser

Load Point Height	kg	1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		Load at Maximum Reach		m
		Front	Side	Front	Side	Front	Side	Front	Side	Front	Side	Front	Side	Front	Side	
7.5 m	kg							*10 300	9450					*9100	8050	6.58
6.0 m	kg							*10 650	9300	*9900	6400			*8700	6300	7.59
4.5 m	kg					*14 850	13 650	*11 800	8850	*10 400	6250			*8650	5400	8.21
3.0 m	kg					*18 150	12 450	*13 300	8300	10 400	6000			8500	4950	8.51
1.5 m	kg					*20 200	11 650	14 200	7900	10 150	5800			8350	4800	8.55
Ground Line	kg					*20 450	11 400	13 900	7600	9950	5650			8600	4950	8.31
-1.5 m	kg			*18 400	*18 400	*19 400	11 400	13 850	7550	9950	5650			9450	5400	7.78
-3.0 m	kg			*22 250	*22 250	*17 150	11 600	*13 050	7700					*10 800	6450	6.88
-4.5 m	kg					*12 650	12 100							*10 050	9300	5.43
-6.0 m	kg															

**Boom** – 6.18 m

**Counterweight** – 6.0 mt

**Bucket** – None

**Stick** – M2.15TB

**Shoes** – 600 mm triple grouser

Load Point Height	kg	1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		Load at Maximum Reach		m
		Front	Side	Front	Side	Front	Side	Front	Side	Front	Side	Front	Side	Front	Side	
7.5 m	kg							*11 150	9300					*11 150	9250	6.03
6.0 m	kg							*11 250	9200					*10 750	6950	7.12
4.5 m	kg					*15 800	13 350	*12 400	8750	10 600	6250			10 000	5850	7.77
3.0 m	kg							*13 750	8250	10 350	6000			9200	5350	8.10
1.5 m	kg							14 150	7850	10 150	5800			9000	5200	8.13
Ground Line	kg					*20 200	11 400	13 950	7650	10 000	5700			9350	5350	7.88
-1.5 m	kg			*19 400	*19 400	*18 850	11 500	13 900	7600					10 400	5900	7.32
-3.0 m	kg			*20 100	*20 100	*16 200	11 750	*12 350	7850					*11 350	7300	6.35
-4.5 m	kg														8350	6.32
-6.0 m	kg															

\*Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories must be deducted from the above lifting capacities. Lifting capacities are based on the machine standing on a firm, uniform supporting surface. The use of a work tool attachment point to handle/lift objects, could affect the machine lift performance.

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

# 336E L Hydraulic Excavator Specifications

## 336E L Work Tool Offering Guide\*

Boom Option	Extreme Service Boom	Heavy Duty Reach Boom		Mass Boom	
Stick Option	R3.2 (ES)	R3.2 (HD)	R2.8 (HD)	M2.55	M2.15
Hydraulic Hammer	H140Ds H160Ds	H140Ds H160Ds	H140Ds H160Ds	H140Ds H160Ds	H140Ds H160Ds
Multi-Processor	MP20 MP30	MP20 MP30	MP20 MP30	MP30	MP30
Pulverizer	P225 P235	P225 P235	P225 P235	P235	P235
Crusher	P325 P335	P325 P335	P325 P335	P335	P335
Demolition and Sorting Grapple	G325B G330	G325B G330	G325B G330	G330	G330
Mobile Scrap and Demolition Shear	S325B S365C**	S325B S365C**	S325B S365C**	S365C**	S365C**
Orange Peel Grapple	GSH22B GSM-45 GSM-50	GSH22B GSM-45 GSM-50	GSH22B GSM-45 GSM-50	GSH22B GSM-45 GSM-50	GSH22B GSM-45 GSM-50
Clamshells	GOS-45 GOS-50	GOS-45 GOS-50	GOS-45 GOS-50	GOS-45 GOS-50	GOS-45 GOS-50
Compactor (Vibratory Plate)	CVP110	CVP110	CVP110	CVP110	CVP110
Rippers					
Dedicated Quick Coupler					

These work tools are available for the 336E. Consult your Cat dealer for proper match.

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

\*\*Boom Mount

## 336E L Bucket Specifications and Compatibility

	Linkage	Width	Capacity	Weight	Fill	ES Reach Boom	HD Reach Boom		Mass Boom	
		mm	m <sup>3</sup>	kg	%	R3.2 ES	R3.2 HD	R2.8 HD	M2.55	M2.15
<b>Without Quick Coupler</b>										
General Duty (GD)	DB	1350	1.64	1173	100%	●	●	●		
	DB	1650	2.11	1352	100%	⊖	⊖	⊙		
	DB	1800	2.35	1453	100%	○	X	⊖		
	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	4620	4830	5140	5650	6200
<b>With Quick Coupler, CW45/CW45s</b>										
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	4130	4340	4650	5145	5695

### Maximum Material Density:

- 2100 kg/m<sup>3</sup>
- ⊙ 1800 kg/m<sup>3</sup>
- ⊖ 1500 kg/m<sup>3</sup>
- 1200 kg/m<sup>3</sup>
- X Not Recommended

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

Capacity based on ISO 7451.

Bucket weight with General Duty tips.

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

# 336E L Hydraulic Excavator Specifications

## 336E LN Bucket Specifications and Compatibility

	Linkage	Width	Capacity	Weight	Fill	ES Reach Boom	HD Reach Boom		Mass Boom	
		mm	m <sup>3</sup>	kg	%	R3.2 ES	R3.2 HD	R2.8 HD	M2.55	M2.15
<b>Without Quick Coupler</b>										
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	4130	4370	4630	5065	5570
<b>With Quick Coupler, CW45/CW45s</b>										
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	3640	3880	4140	4560	5065

### Maximum Material Density:

- 2100 kg/m<sup>3</sup>
- ⊙ 1800 kg/m<sup>3</sup>
- ⊖ 1500 kg/m<sup>3</sup>
- 1200 kg/m<sup>3</sup>
- ◇ 900 kg/m<sup>3</sup>
- X Not Recommended

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

Capacity based on ISO 7451.

Bucket weight with General Duty tips.

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

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

## ENGINE

- C9.3 diesel engine
- Biodiesel capable
- Meets EU Stage IIIB emission standards
- 2300 m altitude capability
- Electric priming pump
- Automatic engine speed control
- Standard, economy and high power modes
- Two-speed travel
- Side-by-side cooling system
- Radial seal air filter
- Primary filter with water separator and water separator indicator switch
- Fuel differential indicator switch in fuel line
- 2×4 micron main filters and 1×10 micron primary filter in fuel line
- Water level indicator for water separator
- Air cleaner with external precleaner

## HYDRAULIC SYSTEM

- Electric regeneration circuit for boom and stick
- Reverse swing dampening valve
- Automatic swing parking brake
- High performance hydraulic return filter
- Capability of installing HP stackable valve and medium and QC valve
- Capability of installing additional auxiliary pump (up to 80 L/min) and circuit
- Boom lowering control device with SmartBoom and stick lowering check valve
- Capability of installing Cat Bio hydraulic oil

## CAB

- ROPS
- Pressurized operator station with positive filtration
- Mirror package
- Sliding upper door window (left-hand cab door)
- Glass-breaking safety hammer
- Coat hook
- Beverage holder
- Literature holder
- Two stereo speakers
- Storage shelf suitable for lunch or toolbox
- Color LCD display with warning, filter/fluid change, and working hour information
- Adjustable armrest
- Height adjustable joystick consoles
- Neutral lever (lock out) for all controls
- Travel control pedals with removable hand levers
- Capability of installing two additional pedals
- Two power outlets, 10 amp (total)
- Laminated glass front window and tempered other windows
- Air seat with backrest and heater
- Parallel wiper
- Seat belt, retractable (2 inches width)
- Bi-level air conditioner (auto) with defroster (pressurized function)
- Joysticks with three on/off switches and one modulation switch
- 12-Volt radio ready
- Sunscreen

## UNDERCARRIAGE

- Grease Lubricated Track GLT2, resin seal
- Towing eye on base frame
- Guard, heavy-duty bottom, 5 mm, with swivel guard
- Heavy-duty travel motor protection
- Heavy-duty rollers

## ELECTRICAL

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

## LIGHTS

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

## SECURITY

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

## COUNTERWEIGHT

- 6.0 mt

## TECHNOLOGY

- Product Link

# 336E L Optional Equipment

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

## ENGINE

Electric refueling pump with auto shut off  
Starting kit, cold weather, -32° C  
Jump start receptacle  
Quick drains, engine and hydraulic oil  
Bio hydraulic oil package with compatible travel motors, fine filtration and bio oil

## HYDRAULIC SYSTEM

High-pressure line  
Medium-pressure line  
Cat quick coupler line  
Tool control system

## CAB

Seat, high-back air suspension with heater and cooling  
Travel alarm  
Straight travel pedal  
Ashtray

## UNDERCARRIAGE

Long undercarriage:  
600 mm double grouser shoes  
600 mm triple grouser shoes  
600 mm triple grouser HD shoes  
700 mm triple grouser shoes  
800 mm triple grouser shoes  
850 mm triple grouser shoes  
Guard, full length for long undercarriage  
Segmented (3 Piece ) track guiding guard

## FRONT LINKAGE

Bucket linkage, DB family with lifting eye  
Bucket linkage, TB family with lifting eye  
Extreme Service 6.5 m reach boom  
with left- and right-side light  
Extreme Service 3.2 m stick  
Heavy Duty 6.5 m reach boom  
with left- and right-side light  
Heavy Duty  
R2.8DB 2800 mm stick  
R3.2DB 3200 mm stick  
Mass boom 6.18 m with left- and right-side light  
M2.55TB 2550 mm stick  
M2.15TB 2150 mm stick

## LIGHTS

Halogen lights, cab mounted  
HID lights, cab mounted

## SECURITY

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

## TECHNOLOGY

Cat Grade Control Depth and Slope



# 336E L Hydraulic Excavator

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