336F L/LN

Hydraulic Excavator

Engine	
Engine Model	Cat® C9.3 ACERT™
Power – ISO 14396 (metric)	236 kW (321 hp)
Power – ISO 9249 (metric)	226 kW (307 hp)

Drive	
Maximum Travel Speed	4.8 km/h
Maximum Drawbar Pull	294 kN
Weights	
Minimum Weight	36 500 kg
Maximum Weight	38 900 kg

The 336F L/LN is built to keep your production numbers up and your owning and operating costs down.

Not only does the machine's C9.3 ACERT engine meet EU Stage IV emission standards, but it does so while giving you all the power, fuel efficiency, and reliability you need to succeed.

Where the real power comes in is through the hydraulic system. You can literally move tons of material all day long with a great deal of speed and precision. In fact the hydraulic system and engine work together to keep fuel consumption to an absolute minimum – all without impacting your productivity.

When you add in a quiet operator environment that keeps you comfortable and productive, ground-level service points that make your routine maintenance easy, and multiple Cat work tools that help you take on a variety of jobs, you simply won't find a better 36-ton machine.

Contents

If productivity, comfort, versatility, and fuel efficiency are what you want, the 336F L and 336F LN Excavator are what you need.

Reliable and Productive

Power to move your material with speed and precision

Powerful, Efficient Design

When it comes to moving heavy material quickly and efficiently, you need hydraulic horsepower – the type of ground-breaking power the 336F L/LN can deliver. Major hydraulic components like pumps and valves are located close together so shorter tubes and lines can be used. This design leads to less friction loss, reduced pressure drops, and more power to the ground for the work you need to get done.

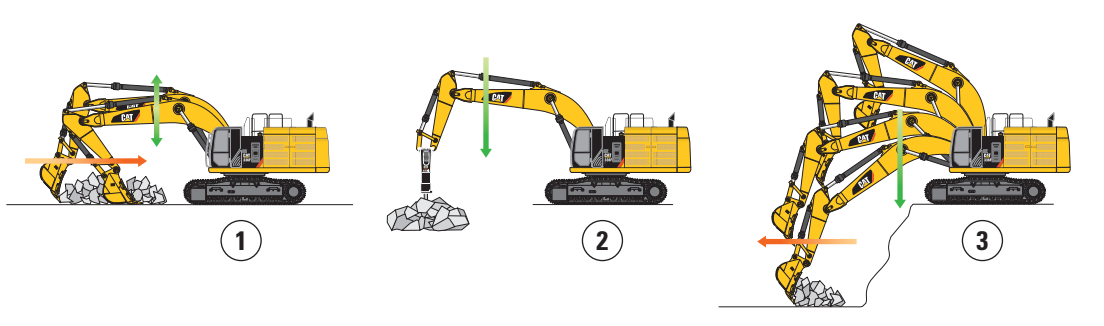
The heavy lift mode increases machine system pressure to improve lift – a nice benefit in certain situations. Heavy lift mode also reduces engine speed and pump flow in order to improve controllability.

Control Like No Other

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

SmartBoom™

Reduces Stress and Vibrations Transmitted to the Machine



Rock Scraping (1)

Scraping rock and finishing work is 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)

It has never been this productive and operator-friendly. 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.

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 L 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.

Fuel Efficient

Engineered to lower your operating costs

Fuel Savers That Add Up

The 336F L/LN consumes less fuel than the previous series model, and the automatic engine speed control contributes by lowering rpm when the machine doesn't need it for work. You also have a choice of two power modes – standard or eco modes. Simply change between modes through the console switch panel to meet the work needs in front of you. Collectively, all of these benefits add up to reduced fuel consumption, reduced exhaust and sound emissions, reduced repair and maintenance costs, and increased engine life for you.

A Cool Design for Any Temperature

The 336F features a side-by-side cooling system that allows you to put the machine to work in extremely hot and cold conditions. The system is completely separated from the engine compartment to reduce noise and heat. Plus it features easy-to-clean cores and an efficient variable-speed fan.

Biodiesel Not a Problem

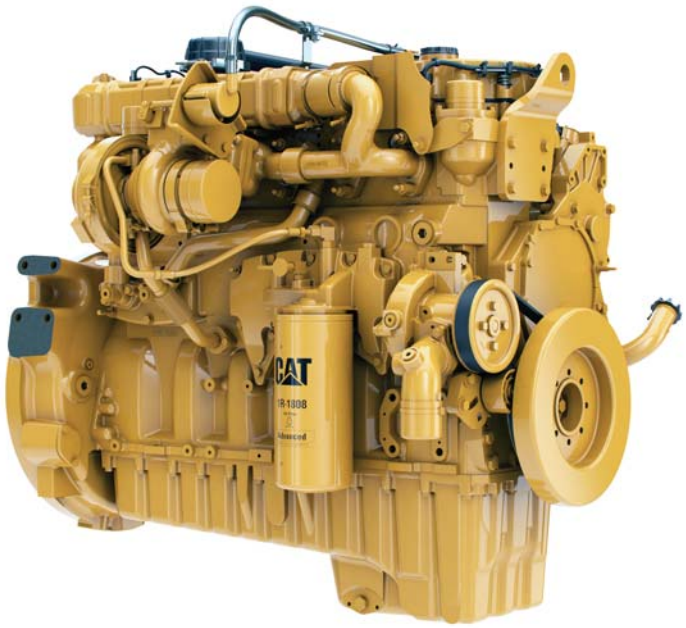
The C9.3 engine can run on up to B20 biodiesel fuel that meets ASTM 6751 standards – all to give you more potential fuel-saving flexibility.

Proven Technology

Every 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 8% over Stage IIIB product, including Diesel Exhaust Fluid (DEF) consumption.
- **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.
- **Better Fuel Economy** with minimized maintenance costs.
- **Same Great Power and Response.**



Easy to Operate

Comfort and convenience to keep you productive all day long

Safe and Quiet Cab

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

Excellent Ergonomics

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

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

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

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

Controls Just for You

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

Easy to Navigate Monitor

The new LCD monitor is easy to see and navigate. Not only can it memorize up to 10 different work tools, it's also programmable in up to 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 to work in your tough, heavy-duty applications

Stable Undercarriages

Long (L) and Long Narrow (LN) undercarriages contribute significantly to outstanding stability and durability.

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

Cat Grease Lubricated Track 2 (GLT2) track link protects moving parts by keeping water, debris, and dust out and grease sealed in, which delivers longer wear life and reduced noise when traveling.

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

Robust Frames

The 336F L/LN is a well-built machine designed to give you a very long service life. The upper frame has mountings made specifically to support the heavy-duty cab; it's also reinforced around areas that take on a lot of stress like the boom foot and skirt. Massive bolts are used to attach the track frames to the body, and additional bolts are used to increase the machine's digging force, which leads to more productivity for you.

Great Weight

The 6.0 mt counterweight is built with thick steel plates and reinforced fabrications to make it less susceptible to damage, designed with curved surfaces that match the machine's sleek, smooth appearance along with integrated housings to help protect the standard rearview camera.

Durable Linkages

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

Built to Last

The 336F L and 336F LN are 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.

Booms, Sticks and Bucket Linkage for Any Job

Heavy Duty (HD) 6.5 m reach boom and sticks (3.9 m, 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 336E F L/LN 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 couplers bring the ability to quickly change attachments and switch from job to job. The Cat Universal or the Cat Pin Grabber couplers are the secure way to decrease downtime and increase job site flexibility and overall productivity.

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) Universal Quick Coupler 2) Pin Grabber Coupler
3) General Duty (GD) 4) Heavy Duty (HD)
5) Severe Duty (SD) 6) 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.

LINK Technologies

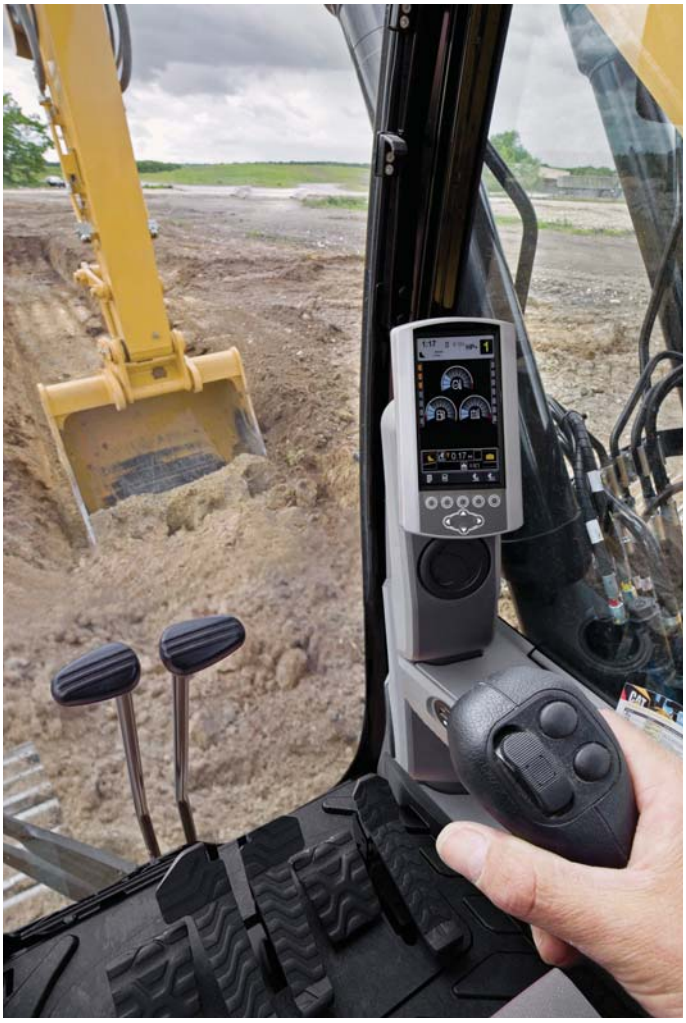
LINK technologies, like Product Link™, are deeply integrated into your machine and wirelessly communicates key information, including location, hours, fuel usage, idle time and event codes.

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.

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 with ease. Real-time bucket tip elevation guidance on the easy-to-read 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 consistent, quality grades. 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 basements or grading steep embankments. Easily upgrade to AccuGrade™ when 3D control is required.

Cat AccuGrade

The dealer-installed AccuGrade system provides 3D guidance for making complex cuts and contours, eliminating the need for staking and checking. A dedicated monitor displays a digital design plan with 3D bucket tip positioning and elevation guidance, indicating precisely where to work and how much to cut or fill.

Plug and play capability on the 336F L/LN simplifies upgrading. Choose from satellite (GNSS) control for large projects with complex designs or total station (UTS) systems in areas with limited reception.

Safe Work Environment

Features to help protect you day in and day out

A Safe and Quiet Cab

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

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

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. Optional High Intensity Discharge (HID) lights are available for enhanced night-time visibility.

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

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 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.

A Cool Design

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

Sustainable

Generations ahead in every way

- The C9.3 ACERT engine meets Stage IV emission standards.
- The 336F L consumes 8% less fuel than 336E L, which means more efficiency and less CO_2 emissions.
- The engine has the flexibility of running on either ultra-low-sulfur diesel (ULSD) fuel with 15 ppm of sulfur or less or biodiesel (up to B20) fuel blended with ULSD.
- An overfill fuel indicator rises when the tank is full to help the operator avoid spilling.
- Quick fill ports with connectors ensure fast, easy, and secure changing of engine and hydraulic oil.
- The machine is built to be rebuilt with major structures and components remanufactured to reduce waste and replacement costs.
- The 336F L is an efficient, productive machine that's designed to conserve our natural resources for generations ahead.

Complete Customer Care

Unmatched support makes the difference

Worldwide Parts Availability

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

Financial Options Just for You

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

What's Best for You Today…and Tomorrow

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

Engine

Engine Model	Cat C9.3 ACERT
Power – SAE J1995 (metric)	240 kW (326 hp)
Power – ISO 14396 (metric)	236 kW (321 hp)
Power – SAE J1349/ISO 9249 (metric)	226 kW (307 hp)
Bore	115 mm
Stroke	149 mm
Displacement	9.3 L

Weights

Minimum Weight	36 500 kg
Maximum Weight	38 900 kg

Drive

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

Track

Track Options	600 mm 700 mm 850 mm
Number of Shoes Each Side	49
Number of Track Rollers Each Side	9
Number of Carrier Rollers Each Side	2

Swing Mechanism

Swing Speed	8.9 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 Capacity (including tank)	380 L
Hydraulic Tank Oil	175 L
DEF Tank	41 L

Hydraulic System

Main System – Maximum Flow (Total)	570 L/min
Swing System – Maximum Flow	279 L/min
Maximum Pressure	
Equipment – Normal	35 000 kPa
Equipment – Heavy Lift	38 000 kPa
Travel	35 000 kPa
Swing	28 000 kPa
Pilot System	
Maximum Flow	29 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 Sound Power Level – ISO 6395:2008	106 dB(A)*
Operator Sound Pressure Level – ISO 6396:2008	73 dB(A)

- 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 a noisy environment.
- When properly installed and maintained, the cab offered by Caterpillar, when tested with doors and windows closed according to ANSI/SAE J1166 OCT98, meets OSHA and MSHA requirements for operator sound exposure limits in effect at time of manufacture.

*as per European Union Directive 2000/14/EC as amended by 2005/88/EC

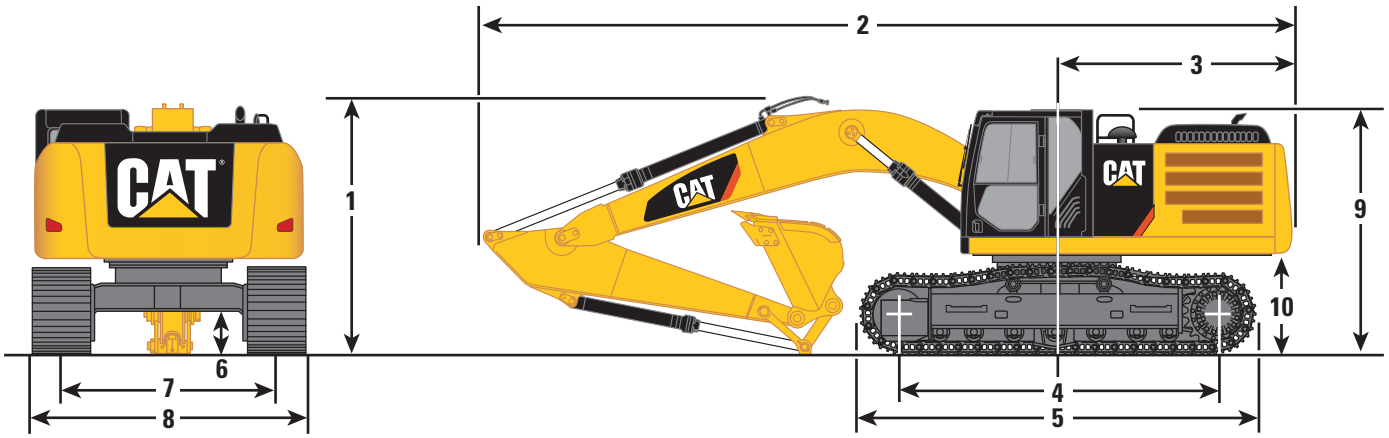
Standards

Brakes	SAE J1026/APR90
Cab/FOGS	SAE J1356 FEB88 ISO 10262

336F L/LN Hydraulic Excavator Specifications

Dimensions

All dimensions are approximate.



Boom Options		HD Reach Boom 6.5 m		Mass Boom 6.18 m
Stick Options	**R3.9 DB**	**R3.2 DB**	**R2.8 DB**	**M2.55 TB**
1 Shipping Height*	3660 mm	3510 mm	3650 mm	3600 mm
2 Shipping Length	11 170 mm	11 160 mm	11 190 mm	10 890 mm
3 Tail Swing Radius	3470 mm	3470 mm	3470 mm	3470 mm
4 Length to Center of Rollers	4040 mm	4040 mm	4040 mm	4040 mm
5 Track Length	5030 mm	5030 mm	5030 mm	5030 mm
6 Ground Clearance*	510 mm	510 mm	510 mm	510 mm
Ground Clearance**	480 mm	480 mm	480 mm	480 mm
7 Track Gauge				
Long Undercarriage	2590 mm	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	3190 mm
700 mm Shoes	3290 mm	3290 mm	3290 mm	3290 mm
850 mm Shoes	3440 mm	3440 mm	3440 mm	3440 mm
Long Narrow Undercarriage				
600 mm Shoes	—	2990 mm	2990 mm	2990 mm
9 Cab Height	3150 mm	3150 mm	3150 mm	3150 mm
Cab Height with Top Guard	3360 mm	3360 mm	3360 mm	3360 mm
10 Counterweight Clearance**	1220 mm	1220 mm	1220 mm	1220 mm
Bucket Type	GP	GP	GP	SD
Bucket Capacity	2.28 m^3	2.28 m^3	2.28 m^3	2.41 m^3
Bucket Tip Radius	1753 mm	1753 mm	1753 mm	1895 mm

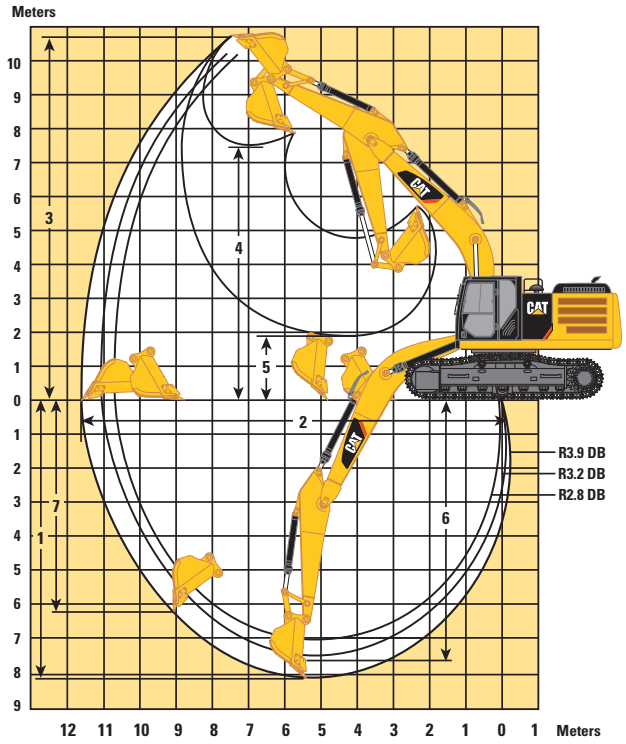
Dimensions may vary depending on bucket selection.

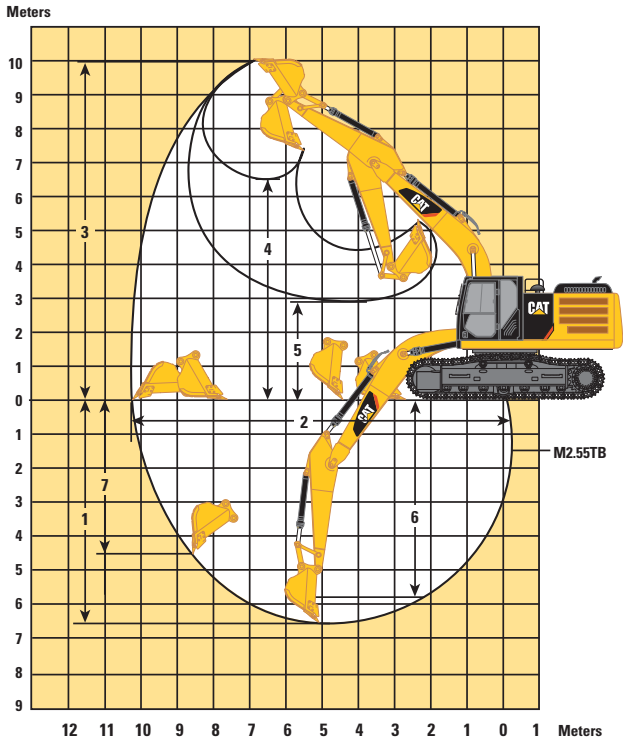
*Including shoe lug height

**Without shoe lug height

Working Ranges

All dimensions are approximate.





Boom Options		HD Reach Boom 6.5 m			Mass Boom 6.18 m
Stick Options	**R3.9 DB**	**R3.2 DB**	**R2.8 DB**	**M2.55 TB**
1 Maximum Digging Depth	8190 mm	7490 mm	7090 mm	6650 mm
2 Maximum Reach at Ground Level	11 720 mm	11 020 mm	10 710 mm	10 260 mm
3 Maximum Cutting Height	10 740 mm	10 320 mm	10 370 mm	9970 mm
4 Maximum Loading Height	7500 mm	7110 mm	7110 mm	6620 mm
5 Minimum Loading Height	1910 mm	2610 mm	3010 mm	2920 mm
6 Maximum Depth Cut for 2440 mm Level Bottom	7610 mm	6820 mm	6390 mm	5810 mm
7 Maximum Vertical Wall Digging Depth	6310 mm	5500 mm	5470 mm	4450 mm
Bucket Digging Force (ISO)	209.7 kN	209.7 kN	209.7 kN	261.3 kN
Stick Digging Force (ISO)	144.3 kN	165.9 kN	184.6 kN	190.2 kN
Bucket Type	GP	GP	GP	SD
Bucket Capacity	2.28 m^3	2.28 m^3	2.28 m^3	2.41 m^3
Bucket Tip Radius	1753 mm	1753 mm	1753 mm	1895 mm

Dimensions may vary depending on bucket selection.

Operating Weights and Ground Pressures

		850 mm Shoes (TG)		700 mm Shoes (TG)		600 mm Shoes (TG HD)		600 mm Shoes (DG)	
		Weight	Ground Pressure	Weight	Ground Pressure	Weight	Ground Pressure	Weight	Ground Pressure
Boom	Stick	kg	kPa	kg	kPa	kg	kPa	kg	kPa
Long Undercarriage									
HD R6.5 m	HD R3.9DB	37 700	49.6	36 700	58.6	37 000	68.9	37 200	69.3
HD R6.5 m	HD R3.2DB	37 500	49.3	36 500	58.3	36 800	68.5	37 000	68.9
HD R6.5 m	HD R2.8DB	37 500	49.3	36 500	58.3	36 800	68.5	37 000	68.9
M6.18 m	M2.55TB	38 900	51.1	37 900	60.5	38 200	71.2	38 400	71.5
Long Narrow Undercarriage									
HD R6.5 m	HD R3.2DB	—	—	—	—	36 700	68.4	—	—
HD R6.5 m	HD R2.8DB	—	—	—	—	36 700	68.4	—	—
M6.18 m	M2.55TB	—	—	—	—	38 100	71.0	—	—

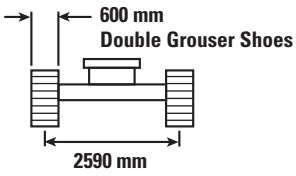
Major Component Weights

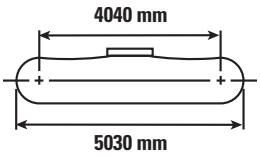
	kg
Undercarriage (without tracks)	
Long Undercarriage	8900
Long Narrow Undercarriage	8800
Upper Structure (without front linkage)	
With 6.0 mt Counterweight	9900
Boom (includes lines, pins and stick cylinder)	
HD Reach Boom – 6.50 m	4100
Mass Boom – 6.18 m	4200
Stick (includes lines, pins and bucket cylinder, linkage)	
HD R3.9DB	1900
HD R3.2DB	1800
HD R2.8DB	1800
M2.55TB	2100
Track shoe	
850 mm Triple Grouser	5400
700 mm Triple Grouser	4300
600 mm Triple Grouser HD	4700
600 mm Double Grouser	4900
Buckets	
2.28 m^3	1500
2.41 m^3	2500

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

336F L/LN Hydraulic Excavator Specifications

336F L Reach Boom Lift Capacities – Counterweight: 6.0 mt – without Bucket – Heavy Lift On





		1500 mm		3000 mm		4500 mm		6000 mm		7500 mm		9000 mm				
																mm
9000 mm	kg													*6250	*6250	7350
7500 mm	kg									*7700	*7700			*5800	*5800	8540
6000 mm	kg									*8000	7650	*7500	5600	*5650	5250	9340
4500 mm	kg							*9800	*9800	*8750	7400	*8200	5500	*5650	4700	9840
3000 mm	kg					*15 300	15 050	*11 600	9800	*9750	7050	8350	5350	*5850	4400	10 100
1500 mm	kg					*18 450	13 900	*13 300	9250	*10 700	6750	8150	5150	*6150	4300	10 130
0 mm	kg			*8250	*8250	*20 100	13 250	*14 500	8800	10 450	6500	8000	5000	*6750	4350	9930
–1500 mm	kg	*8650	*8650	*12 900	*12 900	*20 350	13 000	14 400	8600	10 250	6300	7900	4950	7350	4600	9490
–3000 mm	kg	*13 700	*13 700	*18 850	*18 850	*19 450	13 000	14 350	8550	10 250	6300			8250	5150	8770
–4500 mm	kg	*19 600	*19 600	*24 050	*24 050	*17 350	13 250	*13 150	8650	*9900	6450			*9450	6250	7690
–6000 mm	kg					*13 250	*13 250	*9400	9050					*9250	8950	6060

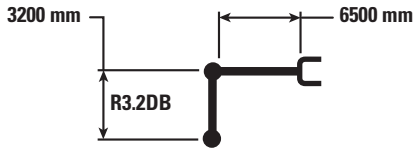
* ISO 10567

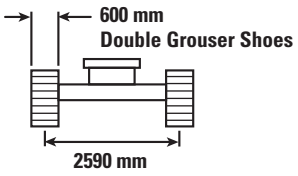
*Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories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

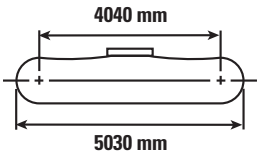
Lift capacity stays with ±5% for all available track shoes.

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

336F L Reach Boom Lift Capacities – Counterweight: 6.0 mt – without Bucket – Heavy Lift On







		3000 mm		4500 mm		6000 mm		7500 mm		9000 mm				mm
7500 mm	kg							*8700	7650			*7400	7300	7700
6000 mm	kg							*8800	7550			*7200	6000	8580
4500 mm	kg			*13 400	*13 400	*10 800	10 300	*9450	7300	*8500	5450	*7250	5300	9130
3000 mm	kg			*16 950	14 650	*12 450	9700	*10 300	7000	8350	5300	*7550	4950	9410
1500 mm	kg			*19 450	13 600	*13 950	9150	10 750	6700	8200	5150	7650	4800	9440
0 mm	kg			*20 300	13 200	14 700	8800	10 500	6500	8100	5050	7800	4900	9220
–1500 mm	kg	*14 100	*14 100	*19 850	13 100	14 500	8650	10 400	6400			8400	5200	8750
–3000 mm	kg	*22 200	*22 200	*18 400	13 200	*14 050	8650	10 450	6450			9650	5950	7960
–4500 mm	kg	*20 650	*20 650	*15 600	13 550	*11 850	8900					*10 000	7650	6750

* ISO 10567

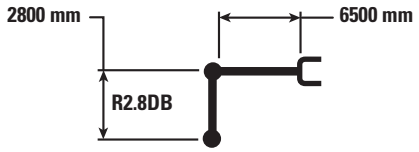
*Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories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

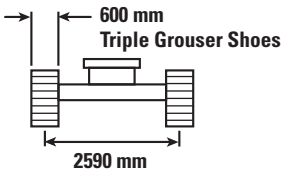
Lift capacity stays with ±5% for all available track shoes.

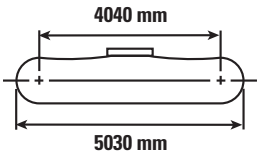
Always refer to the appropriate Operation and Maintenance Manual for specific product information.

336F L/LN Hydraulic Excavator Specifications

336F L Reach Boom Lift Capacities – Counterweight: 6.0 mt – without Bucket – Heavy Lift On







		3000 mm		4500 mm		6000 mm		7500 mm		9000 mm				
														mm
7500 mm	kg											*9350	7650	7340
6000 mm	kg					*10 000	*10 000	*9300	7300			*9000	6200	8250
4500 mm	kg			*14 400	*14 400	*11 350	9950	*9850	7100			8550	5450	8820
3000 mm	kg			*17 850	14 000	*12 950	9350	*10 650	6800	8150	5150	8000	5050	9110
1500 mm	kg			*16 900	13 150	*14 250	8850	10 450	6500	8000	5050	7800	4900	9140
0 mm	kg			*19 900	12 850	14 300	8550	10 250	6350			8000	5000	8920
–1500 mm	kg	*13 150	*13 150	*19 500	12 850	14 200	8450	10 200	6250			8700	5400	8420
–3000 mm	kg	*23 300	*23 300	*17 750	13 000	*13 650	8550	10 300	6350			*10 100	6250	7600
–4500 mm	kg	*18 550	*18 550	*14 450	13 400	*10 750	8850					*9850	8300	6330

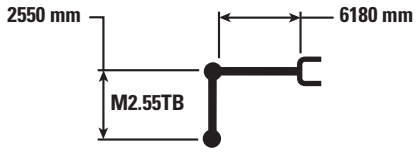
* ISO 10567

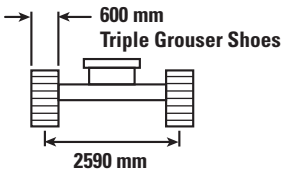
*Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories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

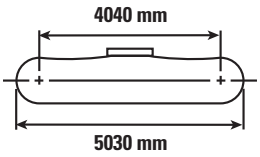
Lift capacity stays with ±5% for all available track shoes.

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

336F L Mass Boom Lift Capacities – Counterweight: 6.0 mt – without Bucket – Heavy Lift On







		3000 mm		4500 mm		6000 mm		7500 mm				
												mm
7500 mm	kg					*10 150	*10 150			*9100	8900	6580
6000 mm	kg					*10 500	10 300	*9900	7050	*8650	6900	7600
4500 mm	kg			*14 600	*14 600	*11 650	9800	*10 200	6900	*8650	5950	8210
3000 mm	kg			*17 850	13 850	*13 100	9200	10 600	6650	8700	5450	8520
1500 mm	kg			*19 800	13 000	*14 250	8700	10 350	6350	8500	5300	8550
0 mm	kg			*20 000	12 700	14 200	8400	10 150	6200	8750	5400	8310
–1500 mm	kg	*17 900	*17 900	*19 000	12 700	14 100	8350	10 100	6200	9650	5900	7780
–3000 mm	kg	*21 700	*21 700	*16 750	12 950	*12 750	8500			*10 550	7100	6880
–4500 mm	kg			*12 300	*12 300					*9750	*9750	5430

* ISO 10567

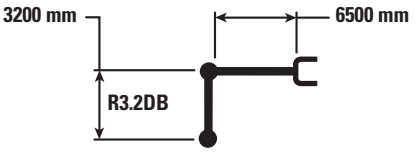
*Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories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

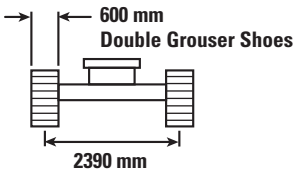
Lift capacity stays with ±5% for all available track shoes.

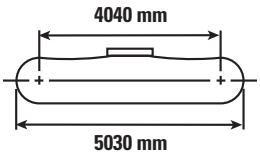
Always refer to the appropriate Operation and Maintenance Manual for specific product information.

336F L/LN Hydraulic Excavator Specifications

336F LN Reach Boom Lift Capacities – Counterweight: 6.0 mt – without Bucket – Heavy Lift On







		3000 mm		4500 mm		6000 mm		7500 mm		9000 mm				
														mm
7500 mm	kg							*8700	7050			*7400	6750	7700
6000 mm	kg							*8800	7000			*7200	5550	8580
4500 mm	kg			*13 400	*13 400	*10 800	9500	*9450	6750	8500	5000	*7250	4900	9130
3000 mm	kg			*16 950	13 300	*12 450	8900	*10 300	6450	8350	4900	*7550	4550	9410
1500 mm	kg			*19 450	12 300	*13 950	8350	10 700	6150	8150	4750	7600	4400	9440
0 mm	kg			*20 300	11 900	14 650	8000	10 500	5950	8050	4600	7800	4450	9220
–1500 mm	kg	*14 100	*14 100	*19 850	11 800	14 450	7850	10 350	5850			8350	4750	8750
–3000 mm	kg	*22 200	*22 200	*18 400	11 900	*14 050	7900	10 400	5850			9600	5450	7960
–4500 mm	kg	*20 650	*20 650	*15 600	12 250	*11 850	8100					*10 000	7000	6750

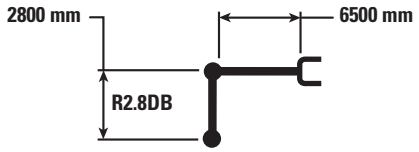
* ISO 10567

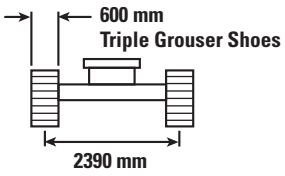
*Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories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

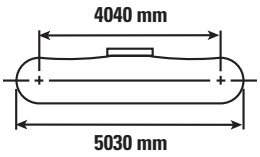
Lift capacity stays with ±5% for all available track shoes.

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

336F LN Reach Boom Lift Capacities – Counterweight: 6.0 mt – without Bucket – Heavy Lift On







		3000 mm		4500 mm		6000 mm		7500 mm		9000 mm				
														mm
7500 mm	kg											*9350	7150	7340
6000 mm	kg					*10 000	9800	*9300	6850			*9000	5800	8250
4500 mm	kg			*14 400	14 250	*11 350	9300	*9850	6650			8650	5100	8820
3000 mm	kg			*17 850	12 900	*12 950	8700	*10 650	6350	8250	4800	8100	4700	9110
1500 mm	kg			*16 900	12 050	*14 250	8200	10 600	6050	8100	4700	7950	4600	9140
0 mm	kg			*19 900	11 800	14 500	7900	10 400	5900			8150	4650	8920
–1500 mm	kg	*13 150	*13 150	*19 500	11 750	14 400	7800	10 350	5800			8800	5050	8420
–3000 mm	kg	*23 300	*23 300	*17 750	11 950	*13 650	7900	*10 350	5900			*10 100	5850	7600
–4500 mm	kg	*18 550	*18 550	*14 450	12 300	*10 750	8200					*9850	7700	6330

* 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.

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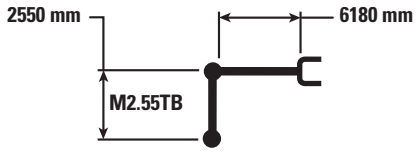
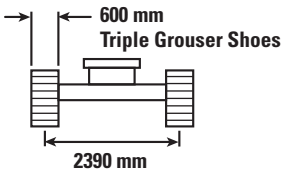
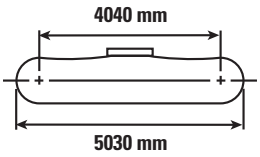
336F L/LN Hydraulic Excavator Specifications

336F LN Mass Boom Lift Capacities – Counterweight: 6.0 mt – without Bucket – Heavy Lift On







		3000 mm		4500 mm		6000 mm		7500 mm				
												mm
7500 mm	kg					*10 150	9800			*9100	8300	6580
6000 mm	kg					*10 500	9600	*9900	6600	*8650	6450	7600
4500 mm	kg			*14 600	14 100	*11 650	9100	*10 200	6450	*8650	5550	8210
3000 mm	kg			*17 850	12 750	*13 100	8550	10 750	6150	8800	5050	8520
1500 mm	kg			*19 800	11 900	*14 250	8050	10 450	5900	8600	4900	8550
0 mm	kg			*20 000	11 600	14 400	7750	10 300	5750	8900	5000	8310
–1500 mm	kg	*17 900	*17 900	*19 000	11 650	14 300	7700	10 250	5750	9750	5500	7780
–3000 mm	kg	*21 700	*21 700	*16 750	11 850	*12 750	7850			*10 550	6600	6880
–4500 mm	kg			*12 300	*12 300					*9750	9500	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 Bucket Specifications and Compatibility

						336F L – 600 TG				336F LN – 600 TG		
Counterweight						**Standard (6.0 mt)**				**Standard (6.0 mt)**		
		Width	**Capacity**	**Weight**	**Fill**	**Reach Boom**			**ME Boom**	**Reach Boom**		**ME Boom**
	Linkage	mm	m^3	kg	%	R3.9DB	R3.2DB	R2.8DB	M2.55TB	R3.2DB	R2.8DB	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	4390	5062	5282	5572	4606	4805	5053
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	3832	4504	4724	5014	4048	4247	4495
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	3900	4572	4792	5082	4116	4315	4563

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/m^3
- ⦿ 1800 kg/m^3
- ⊖ 1500 kg/m^3
- ○ 1200 kg/m^3
- ◇ 900 kg/m^3

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

336F L Work Tool Offering Guide*

Boom Type		Reach Boom HD			Mass Boom
Stick Size		**R3.9DB**	**R3.2DB**	**R2.8DB**	**M2.55TB**
Counterweight			**Standard (6.0 mt)**		
Hydraulic Hammer		H140E s H160E s ***	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 PS 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 *** #	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 ^ ^^	P225 P235 ^^	P235 **
Crusher		P325 P335 *** #	P325 P335 ** ^	P325 P335 ^ ^^	P335 **
Demolition and Sorting Grapple		G325B ^^ G330 ***	G325B G330 ^ ^^	G325B G330 ^^	G330 **
Mobile Scrap and Demolition Shear		S325B ^^ S365C ##	S325B S365C ##	S325B S340B *** # S365C ##	S340B *** # S365C ##
Compactor (Vibratory Plate)		CVP110	CVP110	CVP110	CVP110
Orange Peel Grapple	GSH22	These work tools are available for the 336F L. Consult your Cat dealer for proper match.			
	GSM45				
Clamshell Grapple	CTV20				
Pin Grabber Coupler	CL-QC				
Dedicated Quick Coupler	CW-45				
	CW-45S				

* 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.

** Pin-on or CW coupler

*** Pin-on only

\# Over the front only

Boom mount

^ Over the front only with dedicated coupler

^^ Over the front only with CL coupler

336F LN Work Tool Offering Guide*

Boom Type		Reach Boom HD		Mass Boom
Stick Size		**R3.2DB**	**R2.8DB**	**M2.55TB**
Counterweight			**Standard (6.0 mt)**	
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 PS Jaw *** MP30 S 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 CC Jaw ** ^ MP30 CR Jaw ** ^ MP30 PP Jaw *** # MP30 PS Jaw ** ^ MP30 S Jaw ** ^
Pulverizer		P225 P235 ***	P225 P235 ***	P235 ** ^
Crusher		P325 P335 ***	P325 P335 ***	P335 ** ^
Demolition and Sorting Grapple		G325B G330 ***	G325B G330 ** ^	G330 ** ^
Mobile Scrap and Demolition Shear		S325B S365C ##	S325B S365C ##	S365C ##
Compactor (Vibratory Plate)		CVP110	CVP110	CVP110
Orange Peel Grapple	GSH22	These work tools are available for the 336F LN. Consult your Cat dealer for proper match.		
	GSM45			
Clamshell Grapple	CTV20			
Pin Grabber Coupler	CL-QC			
Dedicated Quick Coupler	CW-45			
	CW-45S			

* 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.

** Pin-on or CW coupler

*** Pin-on only

\# Over the front only

Boom mount

^ Over the front only with dedicated coupler

^^ Over the front only with CL coupler

336F L/LN Standard Equipment

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
- Stage IV emission package
- 2300 m altitude capability with no derate
- Biodiesel capable
- 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

- Boom and stick lowering control devices with SmartBoom
- Reverse swing dampening valve
- Automatic swing parking brake
- High-performance hydraulic return filter
- Regeneration circuit for boom and stick
- Capability of installing additional auxiliary circuits
- Bio oil capable

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, 6 tons
- HD bottom guard
- HD travel motor guard

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 vision camera
- Capability to connect a beacon
- Bolt on FOGS capability

INTEGRATED TECHNOLOGIES

- Product Link
- Rear vision camera

Optional Equipment

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

FRONT LINKAGE

- Heavy Duty Reach Boom 6.5 m (with or without BLCV/SLCV)
  - HD R3.9 DB
  - HD R3.2 DB (with or without CGC)
  - HD R2.8 DB
  - DB-family bucket linkage (with or without lifting eye)
- Mass boom 6.18 m (with or without BLCV/SLCV)
  - M2.55 TB
  - TB-family bucket linkage (with or without lifting eye)
- Universal or Pin Grabber couplers

TRACK

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

GUARDS

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

LIGHTS

- Cab working lights, halogen
- Cab working lights, HID

CAB

- Seat:
  - Adjustable high-back, heated seat with air suspension
  - 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

- HP hydraulic lines for boom and stick
- MP hydraulic lines for boom and stick
- QC hydraulic lines for boom and stick
- QC control

ELECTRICAL

- Cold weather starting package, 240V, –32° C
- Travel alarm
- Electric refueling pump

INTEGRATED TECHNOLOGIES

- Cat Grade Control

ENGINE

- Quick drains, engine and hydraulic oil (QuickEvac™)

SECURITY

- Cat MSS (anti-theft device)
- FOGS

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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