

336F

Hydraulic Excavator



Engine

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

Drive

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

Weights

Minimum Weight	37 600 kg
Maximum Weight	40 000 kg

The 336F 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.

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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 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.

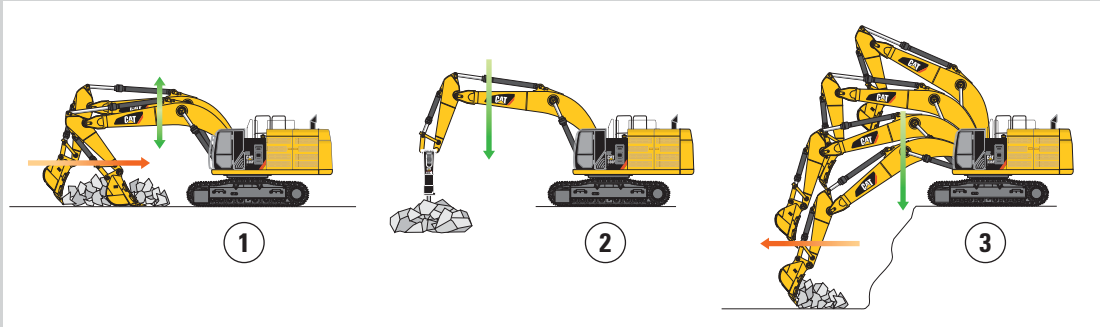
The heavy lift mode increases machine system pressure to improve lift – a nice benefit in certain situations. Heavy lift mode also reduces engine speed and pump flow in order to improve controllability.

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 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 ACERT 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 Fluid Efficiency** of up to 5% over Stage IIIB products, including Diesel Exhaust Fluid (DEF) consumption.
- **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 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 7.0 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 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.

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 336F 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 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

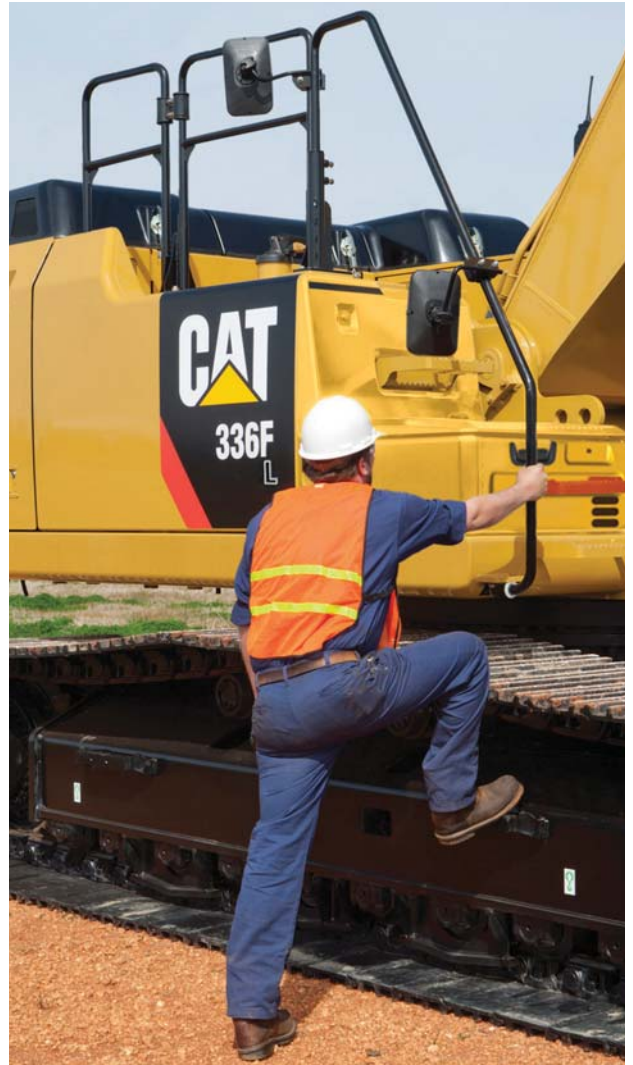
Multiple large steps get you into the cab as well as a leg up to the compartments. Extended hand and guard rails allow you to safely climb to the upper deck. Anti-skid plates reduce your slipping hazards in all types of weather conditions, and they can be removed for cleaning.

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.



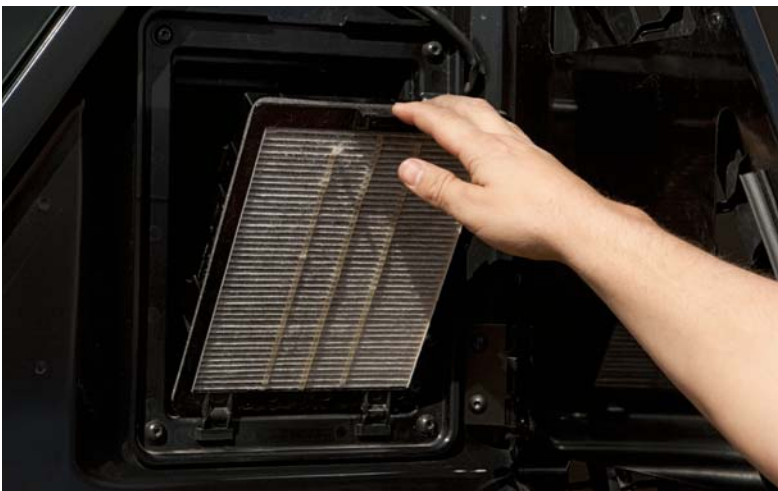


Ground-Level Access

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 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.

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.



Sustainable Generations ahead in every way

- The C9.3 ACERT engine meets Stage IV emission standards.
- The 336F consumes 5% less fluid than 336E, which means more efficiency and less CO₂ emissions.
- The engine has the flexibility of running on either ultra-low-sulfur diesel (ULSD) fuel with 10 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.



336F Hydraulic Excavator Specifications

Engine

Engine Model	Cat C9.3 ACERT
Power – SAE J1995 (metric)	238 kW (324 hp)
Power – ISO 14396 (metric)	234 kW (318 hp)
Power – ISO 9249 (metric)	228 kW (310 hp)
Bore	115 mm
Stroke	149 mm
Displacement	9.3 L

Weights

Minimum Weight	37 600 kg
Maximum Weight	40 000 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

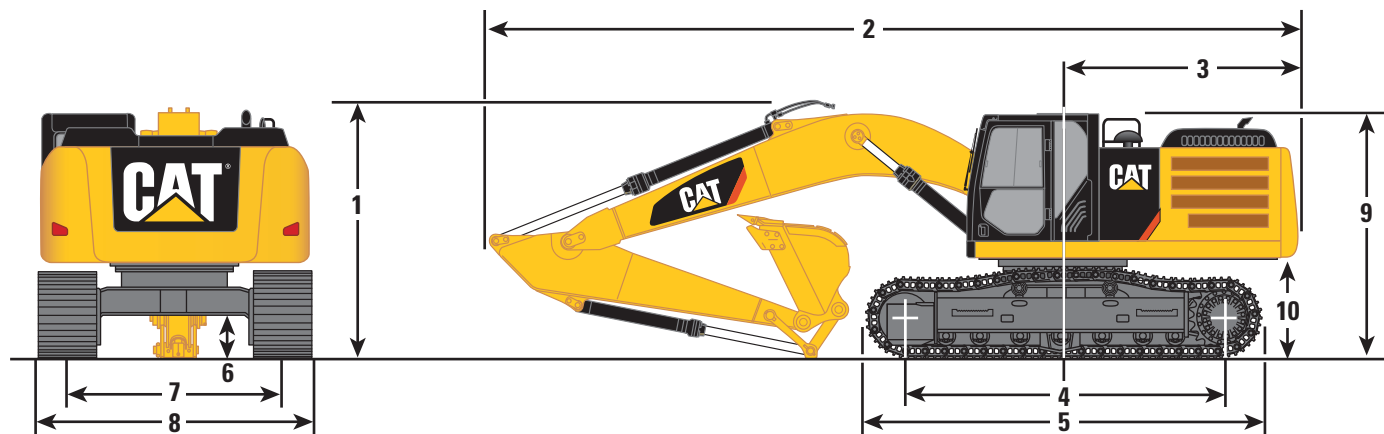
Standards

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

336F Hydraulic Excavator Specifications

Dimensions

All dimensions are approximate.



Boom Options	HD Reach Boom 6.5 m			Mass Boom 6.18 m
Stick Options	R3.9DB	R3.2DB	R2.8DB	M2.55TB
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.

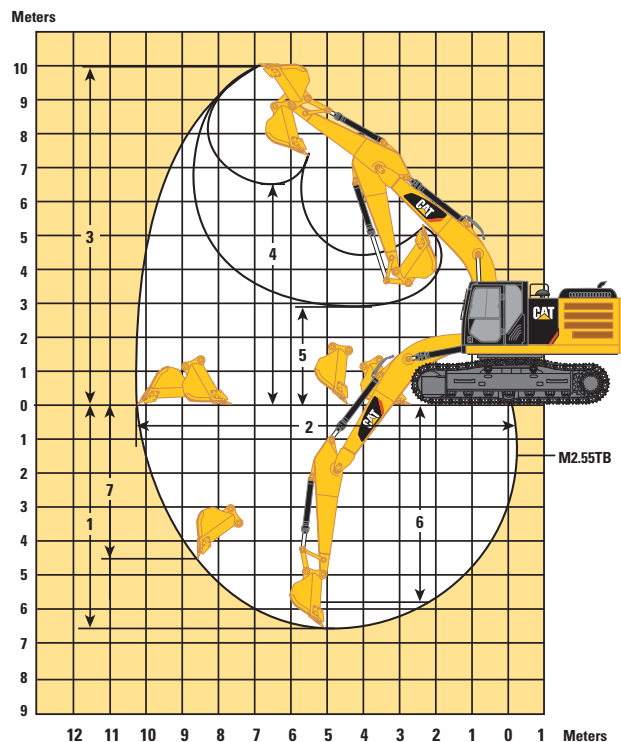
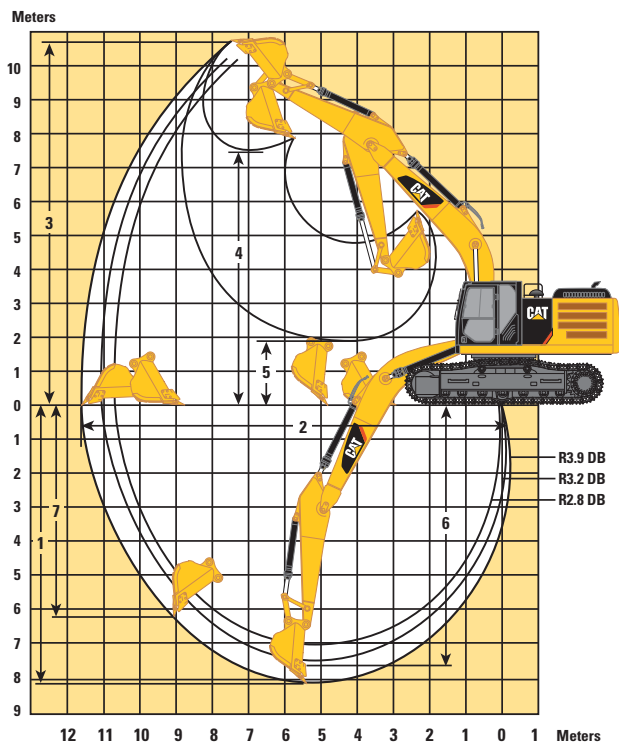
*Including shoe lug height

**Without shoe lug height

336F Hydraulic Excavator Specifications

Working Ranges

All dimensions are approximate.



Boom Options	HD Reach Boom 6.5 m			Mass Boom 6.18 m
Stick Options	R3.9DB	R3.2DB	R2.8DB	M2.55TB
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 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.

336F Hydraulic Excavator Specifications

Operating Weights and Ground Pressures – 7.0 mt Counterweight

Boom	Stick	850 mm Shoes (Triple Grouser)		800 mm Shoes (Triple Grouser)		700 mm Shoes (Triple Grouser)		600 mm Shoes (Triple Grouser HD)		600 mm Shoes (Double Grouser)	
		Weight	Ground Pressure	Weight	Ground Pressure	Weight	Ground Pressure	Weight	Ground Pressure	Weight	Ground Pressure
		kg	kPa	kg	kPa	kg	kPa	kg	kPa	kg	kPa
Long Undercarriage											
HD R6.5 m	HD R3.9DB	38 800	51.0	38 500	53.8	37 800	60.4	38 100	71.0	38 300	71.3
HD R6.5 m	HD R3.2DB	38 600	50.8	38 300	53.5	37 600	60.0	37 900	70.6	38 100	71.0
HD R6.5 m	HD R2.8DB	38 600	50.8	38 300	53.5	37 600	60.0	37 900	70.6	38 100	71.0
M6.18 m	M2.55TB	40 000	52.6	39 700	55.5	39 000	62.3	39 300	73.2	39 500	73.6
Long Narrow Undercarriage											
HD R6.5 m	HD R3.2DB	—	—	—	—	—	—	37 800	70.4	—	—
HD R6.5 m	HD R2.8DB	—	—	—	—	—	—	37 800	70.4	—	—
M6.18 m	M2.55TB	—	—	—	—	—	—	39 200	73.0	—	—

Bucket and Stick Forces

Boom Options		HD Reach Boom 6.5 m			Mass Boom 6.18 m
Stick Options		R3.9DB	R3.2DB	R2.8DB	M2.55TB
General Duty					
Bucket Digging Force (ISO)		211.8 kN	211.8 kN	211.8 kN	264.9 kN
Stick Digging Force (ISO)		144.9 kN	166.7 kN	185.5 kN	190.8 kN
General Duty Capacity					
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
Heavy Duty					
Bucket Digging Force (ISO)		209.9 kN	209.9 kN	209.9 kN	264.9 kN
Stick Digging Force (ISO)		144.5 kN	166.1 kN	184.8 kN	190.8 kN
Heavy Duty – Power					
Bucket Digging Force (ISO)		234.2 kN	234.2 kN	234.2 kN	—
Stick Digging Force (ISO)		146.6 kN	169.0 kN	188.3 kN	—
Severe Duty					
Bucket Digging Force (ISO)		209.9 kN	209.9 kN	209.9 kN	261.4 kN
Stick Digging Force (ISO)		144.5 kN	166.1 kN	184.8 kN	190.2 kN
Extreme Duty					
Bucket Digging Force (ISO)		209.9 kN	209.9 kN	209.9 kN	—
Stick Digging Force (ISO)		144.5 kN	166.1 kN	184.8 kN	—

336F Hydraulic Excavator Specifications

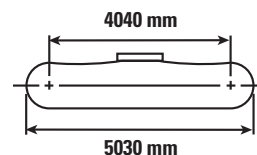
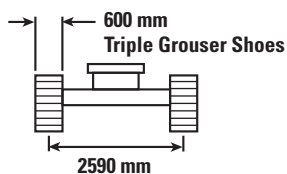
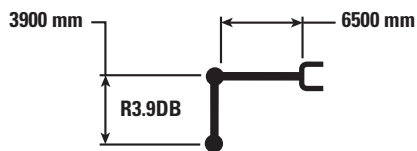
Major Component Weights

	kg
Undercarriage (without tracks)	
Long Undercarriage	8900
Long Narrow Undercarriage	8800
Upper Structure (without front linkage, without counterweight)	10 000
Counterweight	7000
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
Quick Coupler	600

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

336F Hydraulic Excavator Specifications

336F L Reach Boom Lift Capacities – Counterweight: 7.0 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									*7650	*7650			*5800	*5800	8540
6000 mm	kg									*7950	*7950	*7500	6050	*5600	*5600	9340
4500 mm	kg							*9700	*9700	*8650	7950	*8100	5950	*5650	5100	9840
3000 mm	kg					*15 150	*15 150	*11 450	10 600	*9600	7600	*8550	5750	*5800	4800	10 100
1500 mm	kg					*18 250	14 950	*13 150	9950	*10 600	7250	8700	5550	*6150	4650	10 130
0 mm	kg			*8250	*8250	*19 850	14 250	*14 300	9500	11 100	7000	8500	5400	*6700	4700	9930
-1500 mm	kg	*8650	*8650	*12 900	*12 900	*20 050	14 000	*14 750	9250	10 950	6800	8450	5350	*7600	5000	9490
-3000 mm	kg	*13 650	*13 650	*18 800	*18 800	*19 200	14 000	*14 400	9200	10 900	6800			8800	5550	8770
-4500 mm	kg	*19 600	*19 600	*23 700	*23 700	*17 100	14 250	*12 950	9350	*9750	6950			*9300	6750	7690
-6000 mm	kg					*13 000	*13 000	*9200	*9200					*9050	*9050	6060



ISO 10567



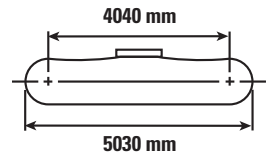
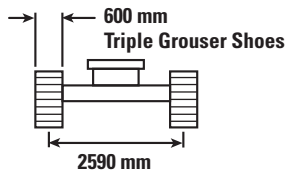
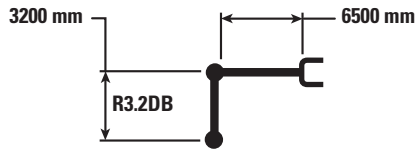
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Lift capacity stays with $\pm 5\%$ for all available track shoes.

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

336F Hydraulic Excavator Specifications

336F L Reach Boom Lift Capacities – Counterweight: 7.0 mt – without Bucket – Heavy Lift On



		3000 mm		4500 mm		6000 mm		7500 mm		9000 mm				mm
7500 mm	kg							*8700	8150			*7400	*7400	7700
6000 mm	kg							*8800	8100			*7200	6450	8580
4500 mm	kg			*13 400	*13 400	*10 800	*10 800	*9450	7850	*8500	5900	*7250	5750	9130
3000 mm	kg			*16 950	15 700	*12 450	10 400	*10 300	7550	8850	5750	*7550	5350	9410
1500 mm	kg			*19 450	14 650	*13 950	9850	*11 150	7250	8700	5600	*8050	5200	9440
0 mm	kg			*20 300	14 250	*14 800	9500	11 150	7000	8600	5500	8300	5300	9220
-1500 mm	kg	*14 100	*14 100	*19 850	14 150	*14 850	9350	11 000	6900			8900	5650	8750
-3000 mm	kg	*22 200	*22 200	*18 400	14 250	*14 050	9350	*10 900	6950			*9950	6450	7960
-4500 mm	kg	*20 650	*20 650	*15 600	14 600	*11 850	9600					*10 000	8250	6750



ISO 10567



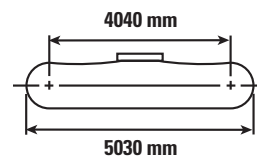
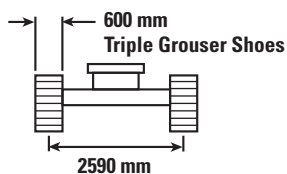
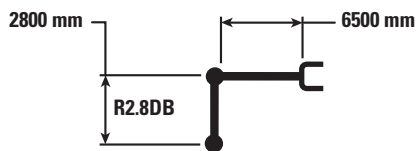
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Lift capacity stays with $\pm 5\%$ for all available track shoes.

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

336F Hydraulic Excavator Specifications

336F L Reach Boom Lift Capacities – Counterweight: 7.0 mt – without Bucket – Heavy Lift On



		3000 mm		4500 mm		6000 mm		7500 mm		9000 mm				mm
7500 mm	kg											*9350	8350	7340
6000 mm	kg					*10 000	*10 000	*9300	8000			*9000	6800	8250
4500 mm	kg			*14 400	*14 400	*11 350	10 850	*9850	7750			*9000	6000	8820
3000 mm	kg			*17 850	15 350	*12 950	10 250	*10 650	7450	8800	5700	8650	5600	9110
1500 mm	kg			*16 900	14 450	*14 250	9750	11 350	7200	8700	5550	8500	5450	9140
0 mm	kg			*19 900	14 150	*14 900	9450	11 100	7000			8700	5550	8920
-1500 mm	kg	*13 150	*13 150	*19 500	14 150	*14 750	9350	11 050	6950			9400	6000	8420
-3000 mm	kg	*23 300	*23 300	*17 750	14 350	*13 650	9450	*10 350	7050			*10 100	6950	7600
-4500 mm	kg	*18 550	*18 550	*14 450	*14 450	*10 750	9750					*9850	9150	6330



ISO 10567



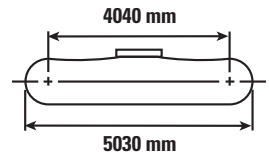
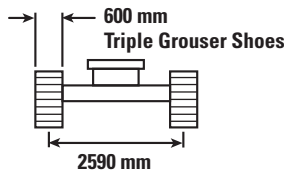
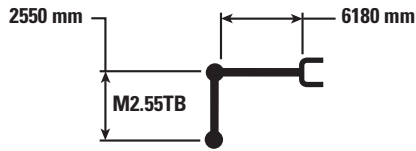
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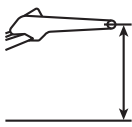











Lift capacity stays with $\pm 5\%$ for all available track shoes.

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

336F Hydraulic Excavator Specifications

336F L Mass Boom Lift Capacities – Counterweight: 7.0 mt – without Bucket – Heavy Lift On



		3000 mm		4500 mm		6000 mm		7500 mm				
												mm
7500 mm	kg					*10 150	*10 150			*9100	*9100	6580
6000 mm	kg					*10 500	*10 500	*9900	7750	*8650	7550	7600
4500 mm	kg			*14 600	*14 600	*11 650	10 700	*10 200	7600	*8650	6550	8210
3000 mm	kg			*17 850	15 200	*13 100	10 100	*10 850	7300	*9000	6000	8520
1500 mm	kg			*19 800	14 300	*14 250	9600	11 200	7050	9200	5850	8550
0 mm	kg			*20 000	14 000	*14 750	9300	11 000	6900	9500	6000	8310
–1500 mm	kg	*17 900	*17 900	*19 000	14 000	*14 400	9250	11 000	6850	10 450	6550	7780
–3000 mm	kg	*21 700	*21 700	*16 750	14 250	*12 750	9400			*10 550	7850	6880
–4500 mm	kg			*12 300	*12 300					*9750	*9750	5430



ISO 10567



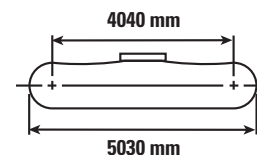
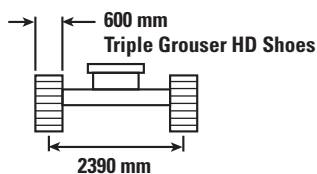
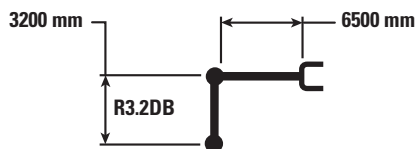
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Lift capacity stays with $\pm 5\%$ for all available track shoes.

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

336F Hydraulic Excavator Specifications

336F LN Reach Boom Lift Capacities – Counterweight: 7.0 mt – without Bucket – Heavy Lift On



		3000 mm		4500 mm		6000 mm		7500 mm		9000 mm				mm
7500 mm	kg							*8700	7700			*7400	7350	7700
6000 mm	kg							*8800	7600			*7200	6050	8580
4500 mm	kg			*13 400	*13 400	*10 800	10 300	*9450	7350	*8500	5500	*7250	5400	9130
3000 mm	kg			*16 950	14 500	*12 450	9700	*10 300	7050	9000	5400	*7550	5000	9410
1500 mm	kg			*19 450	13 500	*13 950	9150	*11 150	6750	8800	5250	*8050	4900	9440
0 mm	kg			*20 300	13 100	*14 800	8800	11 300	6550	8700	5100	8400	4950	9220
-1500 mm	kg	*14 100	*14 100	*19 850	13 000	*14 850	8650	11 150	6450			9000	5300	8750
-3000 mm	kg	*22 200	*22 200	*18 400	13 100	*14 050	8700	*10 900	6500			*9950	6050	7960
-4500 mm	kg	*20 650	*20 650	*15 600	13 450	*11 850	8950					*10 000	7700	6750



ISO 10567



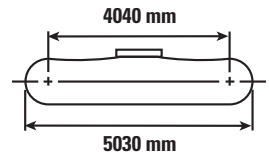
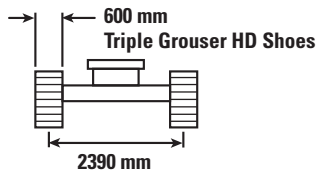
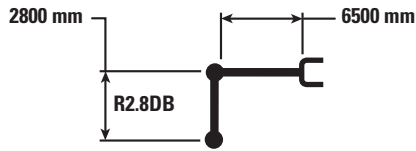
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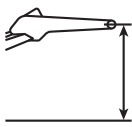













Lift capacity stays with $\pm 5\%$ for all available track shoes.

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

336F Hydraulic Excavator Specifications

336F LN Reach Boom Lift Capacities – Counterweight: 7.0 mt – without Bucket – Heavy Lift On



		3000 mm		4500 mm		6000 mm		7500 mm		9000 mm				
														mm
7500 mm	kg													
6000 mm	kg					*10 000	*10 000	*9300	7500					*9350 7800 7340
4500 mm	kg			*14 400	*14 400	*11 350	10 150	*9850	7300					*9000 6400 8250
3000 mm	kg			*17 850	14 150	*12 950	9550	*10 650	7000	8950	5350			*9000 5650 8820
1500 mm	kg			*16 900	13 300	*14 250	9050	*11 350	6700	8800	5200			8750 5250 9110
0 mm	kg			*19 900	13 050	*14 900	8800	11 250	6550					8600 5100 9140
−1500 mm	kg	*13 150	*13 150	*19 500	13 000	*14 750	8700	11 200	6450					8800 5200 8920
−3000 mm	kg	*23 300	*23 300	*17 750	13 200	*13 650	8750	*10 350	6550					9550 5600 8420
−4500 mm	kg	*18 550	*18 550	*14 450	13 600	*10 750	9100							*10 100 6450 7600
														*9850 8500 6330



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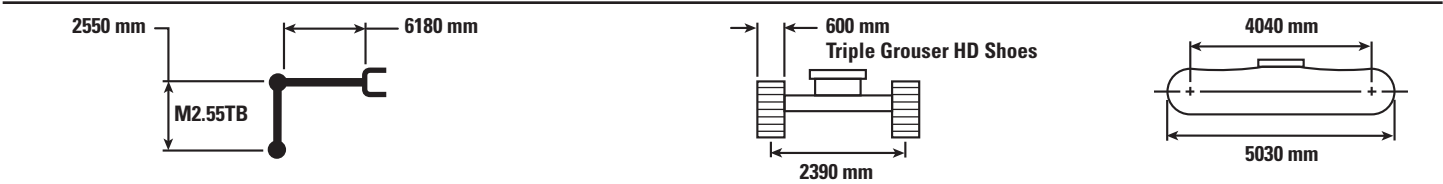
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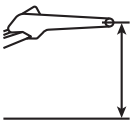
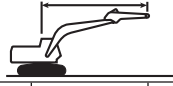










Lift capacity stays with $\pm 5\%$ for all available track shoes.

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

336F Hydraulic Excavator Specifications

336F LN Mass Boom Lift Capacities – Counterweight: 7.0 mt – without Bucket – Heavy Lift On



		3000 mm		4500 mm		6000 mm		7500 mm				
												mm
7500 mm	kg					*10 150	*10 150			*9100	9100	6580
6000 mm	kg					*10 500	10 450	*9900	7250	*8650	7100	7600
4500 mm	kg			*14 600	*14 600	*11 650	9950	*10 200	7100	*8650	6100	8210
3000 mm	kg			*17 850	14 000	*13 100	9400	*10 850	6800	*9000	5650	8520
1500 mm	kg			*19 800	13 150	*14 250	8900	11 350	6550	9350	5450	8550
0 mm	kg			*20 000	12 850	*14 750	8650	11 150	6400	9650	5600	8310
-1500 mm	kg	*17 900	*17 900	*19 000	12 900	*14 400	8550	11 150	6400	*10 550	6100	7780
-3000 mm	kg	*21 700	*21 700	*16 750	13 100	*12 750	8700			*10 550	7300	6880
-4500 mm	kg			*12 300	*12 300					*9750	*9750	5430



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*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 Hydraulic Excavator Specifications

336F Bucket Specifications and Compatibility

						336F L				336F LN		
Counterweight						7000 kg				7000 kg		
Tracks						600 mm Triple Grouser				600 mm Triple Grouser		
	Linkage	Width	Capacity	Weight	Fill	Reach Boom			ME Boom	Reach Boom		ME Boom
		mm	m³	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	4882	5604	5845	6596	5199	5420	6094
DB Linkage with Pin Grabber Coupler												
General Duty (GD)	DB	1350	1.64	1173	100	⊙	●	●		●	●	
	DB	1650	2.11	1352	100	○	⊙	⊙		⊖	⊖	
	DB	1800	2.35	1453	100	○	⊖	⊖		○	⊖	
	TB	1500	2.14	1872	100				⊙			⊙
	TB	1650	2.41	2027	100				⊖			⊖
Heavy Duty (HD)	DB	1350	1.64	1481	100	⊙	●	●		⊙	●	
	DB	1500	1.88	1600	100	⊖	⊙	⊙		⊖	⊙	
	DB	1650	2.12	1730	100	○	⊖	⊖		○	⊖	
	TB	1650	2.41	2210	100				⊖			○
Severe Duty (SD)	DB	1650	2.15	1827	90	○	⊖	⊙		⊖	⊖	
	TB	1350	1.87	2065	90				●			●
	TB	1650	2.41	2385	90				⊖			⊖
Maximum load pin-on (payload + bucket)					kg	4324	5046	5287	6037	4641	4862	5535
With Quick Coupler (CW45, CW45s)												
General Duty (GD)	DB	1050	1.17	986	100	●	●	●		●	●	
	DB	1200	1.40	1064	100	●	●	●		●	●	
	DB	1350	1.64	1143	100	⊙	●	●		●	●	
	DB	1500	1.87	1245	100	⊖	●	●		⊙	⊙	
	DB	1650	2.11	1324	100	⊖	⊙	⊙		⊖	⊖	
Heavy Duty (HD)	DB	1350	1.64	1417	100	⊙	●	●		●	●	
	DB	1500	1.88	1514	100	⊖	⊙	●		⊖	⊙	
	DB	1650	2.12	1647	100	○	⊖	⊙		⊖	⊖	
	TB	1650	2.41	2117	100				⊖			⊖
Severe Duty (SD)	DB	1050	1.17	1272	90	●	●	●		●	●	
	DB	1650	2.15	1802	90	○	⊙	⊙		⊖	⊖	
	TB	1350	1.87	1974	90				●			●
	TB	1650	2.41	2295	90				⊙			⊖
Maximum load with coupler (payload + bucket)					kg	4392	5114	5355	6106	4709	4930	5604

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

Capacity based on ISO 7451.

Bucket weight with General Duty tips.

Maximum Material Density:

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

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 Hydraulic Excavator Specifications

336F L Work Tool Offering Guide

Boom Type	Reach Boom HD			Mass Boom
Stick Size	R3.9DB	R3.2DB	R2.8DB	M2.55TB
Counterweight	7000 kg			
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 GSM45	GSH22 GSM45	GSH22 GSM45	GSH22 GSM45
Clamshell Grapple	CTV20	CTV20	CTV20	CTV20
Pin Grabber Coupler	CL-QC	CL-QC	CL-QC	CL-QC
Dedicated Quick Coupler	CW-45 CW-45S	CW-45 CW-45S	CW-45 CW-45S	CW-45 CW-45S

Matching as shown above is for indication only, it might change according to your boom/stick/linkage configuration.
For proper match, please contact your local Cat dealer.

336F Hydraulic Excavator Specifications

336F LN Work Tool Offering Guide

Boom Type	Reach Boom HD		Mass Boom
Stick Size	R3.2DB	R2.8DB	M2.55TB
Counterweight	7000 kg		
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 GSM45	GSH22 GSM45	GSH22 GSM45
Clamshell Grapple	CTV20	CTV20	CTV20
Pin Grabber Coupler	CL-QC	CL-QC	CL-QC
Dedicated Quick Coupler	CW-45 CW-45S	CW-45 CW-45S	CW-45 CW-45S

Matching as shown above is for indication only, it might change according to your boom/stick/linkage configuration.
For proper match, please contact your local Cat dealer.

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

- Long or Long Narrow undercarriage
- Grease Lubricated Track GLT2, resin seal
- Heavy duty track roller and idler
- Towing eye on base frame
- Counterweight, 7.0 mt
- 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 R3.9DB
 - HD R3.2DB (with or without CGC)
 - HD R2.8DB
 - DB-family bucket linkage (with or without lifting eye)
- Mass boom 6.18 m (with or without BLCV/SLCV)
 - M2.55TB
 - 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
- Cat Production Measurement

ENGINE

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

SECURITY

- Cat MSS (anti-theft device)
- FOGS

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AEHQ7471 (06-2015)
(EU)

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