336D2/D2 L

Hydraulic Excavator

Engine		
Engine Model	Cat® C9 ACERT™	
Engine Power (ISO 14396)	209 kW	281 hp
Net Power (SAE J1349/ISO 9249)	208 kW	279 hp

Weights		
Operating Weight – Standard Undercarriage	34 600 kg	76,300 lb
Operating Weight – Long Undercarriage	37 100 kg	81,800 lb

336D2/D2 L Differentiating Features

Engine and Hydraulics
A powerful Cat C9 ACERT engine that meets U.S. EPA Tier 3, EU Stage IIIA and China Stage III Nonroad equivalent emission standards combined with a highly efficient hydraulic system deliver excellent performance with low fuel consumption.

Structures
Caterpillar design and manufacturing techniques assure you get outstanding durability and service life in the toughest applications.

Operator Station
The spacious cab features excellent visibility and easy-to-access switches. The monitor features a full-color graphical display that is easy to see and use.

Reduced Service and Maintenance Cost
Routine service and maintenance can be completed quickly and easily to help you reduce ownership costs. Convenient access points, extended service intervals, and advanced filtration help keep downtime to a minimum.

Complete Customer Support
Your Cat dealer offers a wide range of services that can be set up under a customer support agreement when you purchase your equipment.

Total Solutions
Caterpillar and its extensive dealer network offer a wide variety of solutions designed to meet the unique needs of your business.

Contents

The 336D2 incorporates innovations to improve your job site efficiency through low owning and operating costs, excellent performance, and high versatility.

Operator Station

Comfort and convenience to keep people productive

Cab Structure and Mounts

The cab shell is attached to the frame with viscous rubber mounts, which dampen vibrations and sound levels while enhancing your comfort. Thick steel tubing along the bottom perimeter improves the cab's resistance to fatigue and vibration.

Seat

The suspension seat provides a variety of adjustments to accommodate a wide range of operators. The seat includes a reclining back, upper and lower seat slide adjustments, and height and tilt adjustments to meet your needs for comfort and productivity.

Joystick Control and Console

Low-effort, pilot-operated joystick controls are designed to match your natural wrist and arm position for maximum comfort and minimum fatigue. The right and left joystick console can be adjusted to meet your individual preferences, improving overall comfort and productivity during the course of a long work day.

Climate Control

Positive filtered ventilation with a pressurized cab is standard. Fresh air or re-circulated air can be selected with a switch on the left console.

Windows and Wipers

All glass is affixed directly to the cab to maximize visibility, eliminating window frames. The upper front windshield opens, closes, and stores on the roof above the operator with a one-touch action release system. Pillar-mounted wipers increase your viewing area and offer continuous and intermittent modes.

Monitor

The new monitor features a 40 percent larger screen with four times increased resolution display.

The LCD monitor is equipped with a warning lamp and buzzer for critical engine oil pressure, coolant temperature and oil temperature. Programmable in up to 42 languages to meet today's diverse workforce, the monitor clearly displays critical information needed to operate efficiently and effectively.

Filters and fluid change intervals are available in the main menu which also projects the image from the optional rearview camera, further enhancing your job site safety and productivity.

Engine

Powerful, reliable, and fuel efficient to deliver more to your bottom line

Emission Standards

The Cat C9 ACERT engine has been designed to meet Tier 3, Stage IIIA and China Stage III Nonroad equivalent emission standards. The engine incorporates proven robust components and precision manufacturing you can count on for reliable and efficient operation.

Isochronous Control

The Isochronous engine speed control improves fuel efficiency and reduces fuel consumption and noise levels by managing pump and engine speed.

Filtration System

The engine features an improved filtration system to ensure reliability even with low quality fuel.

Automatic Engine Speed Control

Automatic engine speed control is activated during no-load or light-load conditions to reduce engine speed – all to help minimize fuel consumption.

Low Sound and Vibration

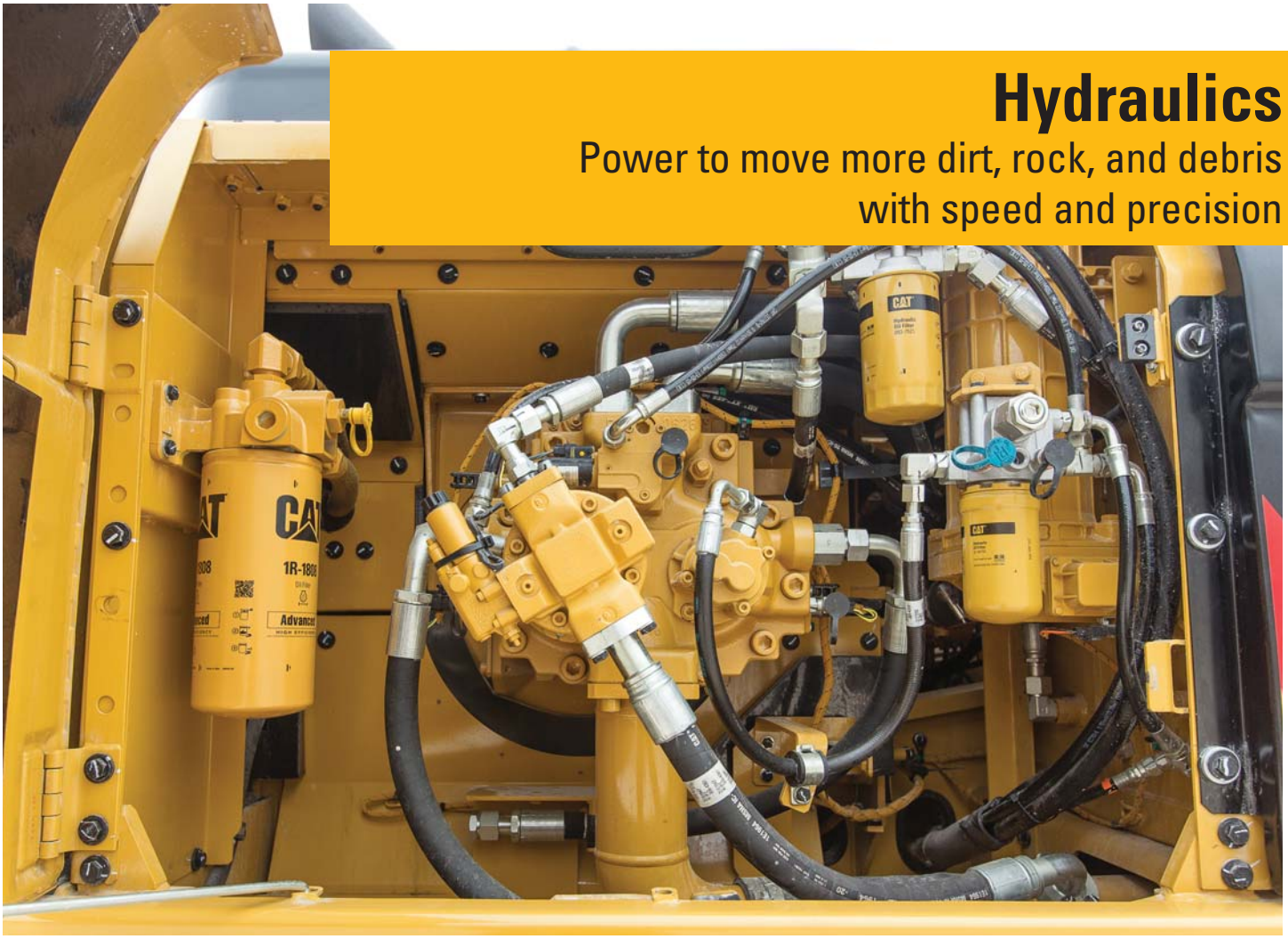
The Cat C9 ACERT engine is built to run quietly with limited vibration, improving your comfort.

Electric Fuel Priming Pump

Electric priming pump eliminates the need for manual priming and reduces the risk of fuel contamination by preventing unfiltered fuel from being backfilled during filter changes.

Hydraulics

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



Hydraulic System

Hydraulic system pressure from the two-pump system delivers terrific digging performance and productivity. The hydraulic system and component locations have been designed to provide a high level of system efficiency. The main pumps, control valves, and hydraulic tank are located close together to allow for shorter tubes and lines between components, reducing friction loss and pressure drops.

Pilot System

An independent pilot pump enables smooth, precise control for the front linkage, swing, and travel operations.

Auxiliary Hydraulic Valve

Control circuits are available as attachments to improve versatility. They allow operation of high- and medium-pressure tools such as shears, grapples, hammers, pulverizers, multiprocessors, and vibratory plate compactors.

Boom and Stick Regeneration Circuit

Boom and stick regeneration circuits save energy during boom-down and stick-in operation to increase efficiency and reduce cycle times and pressure loss for higher productivity, lower operating costs, and increased fuel efficiency.

Hydraulic Cylinder Snubbers

Snubbers are located at the rod end of the boom cylinders and both ends of the stick cylinders to cushion shocks while reducing sound levels and extending component life.

Structures and Undercarriage

Built to work in rugged environments

Main Frame

The rugged main frame is built to perform in the toughest applications. The X-shaped, box-section carbody provides excellent resistance to torsional bending, and press-formed, robot-welded track roller frames provide exceptional strength and durability.

Rollers and Idlers

Sealed and lubricated track rollers, carrier rollers, and idlers provide excellent service life to keep your machine in the field and working longer.

Standard Undercarriage

Standard undercarriage is well suited for applications that require frequent machine repositioning; it's also a good choice for restricted work spaces or uneven rocky terrain.

Long Undercarriage

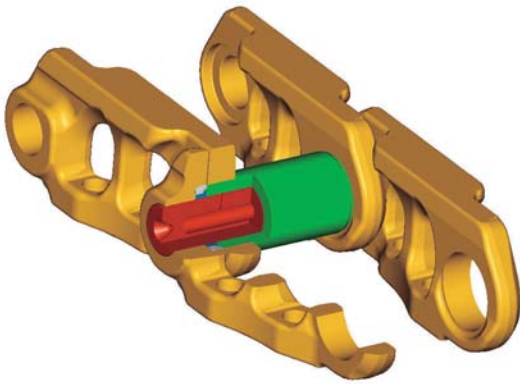
Wide and sturdy long undercarriage offers an excellent platform for applications that require maximum stability and lift capacity.

Counterweight

A 6.0 mt (6.6 t) weight works well in applications that require heavy lifting. It's bolted directly to the main frame for extra rigidity.

Undercarriage

Durable Cat undercarriage absorbs stress and provides excellent stability. The 336D2 comes standard with grease lubricated tracks. The track links are assembled and sealed with grease to decrease internal bushing wear, reduce travel noise and extend service life lowering operating costs.



Front Linkage

Made for high stress and long service life

Heavy-Duty Reach Front Linkage

The heavy-duty (HD) reach (R) front linkage is built to work in a variety of tough, demanding applications like loading rock or hammering concrete. The 6.50 m (21'4") heavy duty reach boom is made of high-tensile-strength steel using a large box-section design with interior baffle plates and an additional bottom guard for long life and durability. Booms and sticks are stress-relieved for added durability.

Three stick options are available to meet all your application requirements:

- The 3.9 m (12'10") stick is a great choice when you need additional working range like truck loading and deep trenching.
- The 3.2 m (10'6") stick is a versatile option that will meet the needs for most of your construction applications.
- The 2.8 m (9'2") stick is best used when you are working primarily in truck loading applications to maximize your breakout force and increase your bucket fill factor.

Mass Excavation Front Linkage

The mass excavation (ME) front linkage is designed to maximize machine performance through superior digging forces and a larger bucket capacity. The 6.18 m (20'3") mass excavation boom is reinforced with a large cross section and internal baffle plates for long life and durability.

The ME reach boom has two stick options to meet your demanding applications:

- The 2.55 m (8'4") stick is designed for large, high-volume earthmoving work.
- The 2.15 m (7'1") stick is best when you primarily use high-capacity buckets in truck loading applications to maximize your breakout force and increase your bucket fill factor.

Service and Maintenance

Fast, easy and safe access built in

Ground-Level Service

The design and layout of the 336D2 was made with the service technician in mind. Most service locations are easily accessible at ground level to allow service and maintenance to get completed quickly and efficiently.

Air Filter Compartment

The air filter features a double-element construction for superior cleaning efficiency. When the air filter plugs, a warning is displayed on the cab monitor. Maintenance-free batteries are standard along with a battery disconnect switch.

Greasing Points

A concentrated remote greasing block on the boom allows greasing of hard-to-reach locations on the boom and stick.

Fan Guard

The engine radiator fan is enclosed by a steel guard that provides maximum protection when carrying out routine service and maintenance.

Wiring Harness and Routing

Industrial-grade electrical wiring (SXL type) resists dust, water, and vibration during the entire life of the machine. The wires are color coded and numbered to facilitate troubleshooting in case of an issue. The navy-type electrical braiding over the wiring is flame resistant and properly secured by bolts, adding extra protection to the electrical system.

Diagnostics and Monitoring

Standard hydraulic test ports enable a service technician to evaluate the hydraulic system, engine oil, and coolant quickly and easily for more efficient maintenance.

Pump Compartment

A service door on the right side of the upper structure allows ground-level access to the hydraulic pumps, hydraulic filters, engine oil filter, and fuel filters.

Radiator Compartment

The left rear service door allows easy access to the engine radiator, hydraulic oil cooler, air-to-air aftercooler, and AC condenser. A reserve tank and drain cock are attached to the radiator for ground-level maintenance.

Complete Customer Support

Service you can count on

Product Support

Cat dealers utilize a worldwide computer network to find in-stock parts to minimize machine downtime. You can also save money with our line of remanufactured components.

Machine Selection

Your Cat dealers can provide specific recommendations with detailed comparisons of the Cat machines you are considering before you buy. This ensures you get the right size machine and appropriate work tools to meet all of your application needs.

Maintenance Services

Repair option programs guarantee the cost of repairs up front. Condition monitoring services and diagnostic programs such as scheduled oil sampling, coolant sampling, and technical analysis help you avoid unscheduled repairs.

Customer Support Agreements

Cat dealers offer a variety of product support agreements that can be tailored to meet your specific needs. These plans can cover the entire machine – including attachments – to help protect your investment.

Replacement

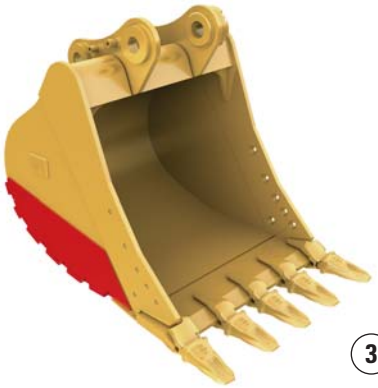
Repair, rebuild, or replace? Your Cat dealers can help you evaluate the costs involved so you can make the right choice.

Work Tools

Dig, hammer, rip, and cut with confidence

1

2



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Versatility and Performance

Each Cat work tool is designed to optimize the versatility and performance of your machine. An extensive range of buckets, compactors, grapples, multi-processors, rippers, crushers, pulverizers, hammers, and shears is available for your 336D2/D2 L.

Buckets and GET

Cat buckets and Cat Ground Engaging Tools (GET) are designed and matched to the machine to ensure optimal performance and fuel efficiency.

General-Duty Buckets (GD)

GD buckets are for digging in low-impact, moderately abrasive materials such as dirt, loam, gravel, and clay.

Heavy-Duty Buckets (HD)

HD buckets are a good starting point when application conditions vary – especially when conditions include mixed dirt, clay, sand, and gravel.

Severe-Duty Buckets (SD)

SD buckets are best suited to highly abrasive materials like shot rock, sand stone, and granite.

Extreme-Duty Buckets (XD)

XD buckets are for extremely abrasive materials like high-quartzite granite.

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

Couplers

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

Center-Lock™ Coupler

Center-Lock is a coupler and features a patent-pending locking system. A highly visible secondary lock clearly shows the operator when the coupler is engaged or disengaged from the bucket or work tool.

E Series Hammers

E Series hammers bring together customer expectations for performance, quality, and serviceability along with Caterpillar manufacturing expertise. They are also quiet – a significant benefit in urban and noise-restricted work areas.

Rippers

Constructed from high-strength steels and built to last, Cat rippers endure in the toughest conditions. The box-section structure is reinforced for maximum rigidity, transmitting the full machine power to the material being ripped. Rippers feature a replaceable wear tip, and most models also come equipped with a replaceable shank protector.

Grapples

Cat grapples make Cat excavators the ideal machine for handling loose material, sorting trash, and demolition site cleanup. An array of styles and sizes is available to match excavators to the task at hand.

Multi-Processors

Multi-processors do the work of many types of demolition tools by use of interchangeable jaw sets. Changing jaws allows a single unit to crush, pulverize, and perform a variety of specialized tasks such as cutting steel rebar and tanks.

Shears

Cat shears are designed to take full advantage of the hydraulic flows and pressures produced by Cat excavators – all to enhance productivity without compromising safety or causing premature wear of the shear or carrier.

Pulverizers

Mechanical pulverizers are cost-effective tools for recycling demolished concrete debris. The bucket cylinder on the excavator powers the pulverizer, eliminating the need for a dedicated cylinder, associated hydraulics, and additional installation cost.

Compactors

Cat compactors make job site compaction quick, efficient, and cost effective.

Crushers

The hydraulic concrete crusher is well suited for demolition in residential areas. The tool combines several demolition operations in one piece of equipment:

- Breaking out concrete from fixed structures
- Pulverizing concrete
- Cutting reinforcement rods and small steel profiles

Safety
Features to help protect you day in and day out

Clear View
Optional rearview camera systems improve rearward and right-hand-side visibility, giving a clear view to the back side of the machine.

This not only improves job site safety, but also enhances productivity and helps to maintain the asset value of your machine.

Hydraulic Lockout Lever
The standard hydraulic lockout lever isolates all hydraulic and travel functions in the lowered position. It is specifically designed to not allow the operator to leave the cab without first lowering it.

Safe Platform
Anti-skid plating with countersunk bolts reduces the potential for slippage and trip hazards, providing a safe platform for all routine service and maintenance needs.

Firewall
A full length firewall separates the engine from the hydraulic pump and offers protection in the event of an incident.

Three Circuit Breakers and Battery Disconnect Switch
Three circuit breakers protect critical electrical components to increase machine uptime.

A battery disconnect switch helps to deter theft by isolating the battery and enhances safety when servicing the machine.

Shut-off Switch
Ground level shut-off switch stops all fuel to the engine when activated and shuts down the machine.

Caterpillar builds safety into every machine, allowing operators and service technicians to get home safely everyday.

Built with similar safety features like our standard machine, the 336D2 accumulator high-pressure oil is discharged after key-off to minimize risk during servicing.

Engine

Engine Model	Cat C9 ACERT	
Engine Power (ISO 14396)	209 kW	281 hp
Net Power (SAE J1349/ISO 9249)	208 kW	279 hp
Bore	112 mm	4.41 in
Stroke	149 mm	5.87 in
Displacement	8.8 L	537 in^3

- The Cat C9 meets exhaust emissions equivalent to Tier 3, Stage IIIA and China Stage III Nonroad equivalent emission standards.
- Net power advertised is the power available at the flywheel when the engine is equipped with fan, air cleaner, muffler, and alternator.
- The field-proven C9 engine can work efficiently at altitudes up to 2300 m (7,546 ft).

Weights

Operating Weight		
Standard Undercarriage*	34 600 kg	76,300 lb
Long Undercarriage**	37 100 kg	81,800 lb

*Standard undercarriage, 2.8 m (9'2") reach stick, 600 mm (24 in) shoes, 6.0 mt (6.6 t) counterweight.

**Long undercarriage, 2.55 m (8'4") mass stick, 800 mm (32 in) shoes, 6.0 mt (6.6 t) counterweight.

Swing Mechanism

Swing Speed	8.3 rpm	
Swing Torque	109 kN·m	80,144 lbf-ft

Drive

Gradeability	30°/70%	
Maximum Travel Speed	4.6 km/h	2.9 mph
Maximum Drawbar Pull	300 kN	67,375 lbf

Hydraulic System

Main System – Maximum Flow (each)	281 L/min	74 gal/min
Swing System – Maximum Flow	265 L/min	70 gal/min
Maximum Pressure – Equipment	35 000 kPa	5,076 psi
Maximum Pressure – Travel	35 000 kPa	5,076 psi
Maximum Pressure – Swing	28 000 kPa	4,061 psi
Pilot System – Maximum Flow	40 L/min	11 gal/min
Pilot System – Maximum Pressure	4000 kPa	580 psi
Boom Cylinder – Bore	150 mm	5.9 in
Boom Cylinder – Stroke	1440 mm	56.7 in
Stick Cylinder – Bore	170 mm	6.7 in
Stick Cylinder – Stroke	1738 mm	68.4 in
Bucket Cylinder – Bore	150 mm	5.9 in
Bucket Cylinder – Stroke	1151 mm	45.3 in

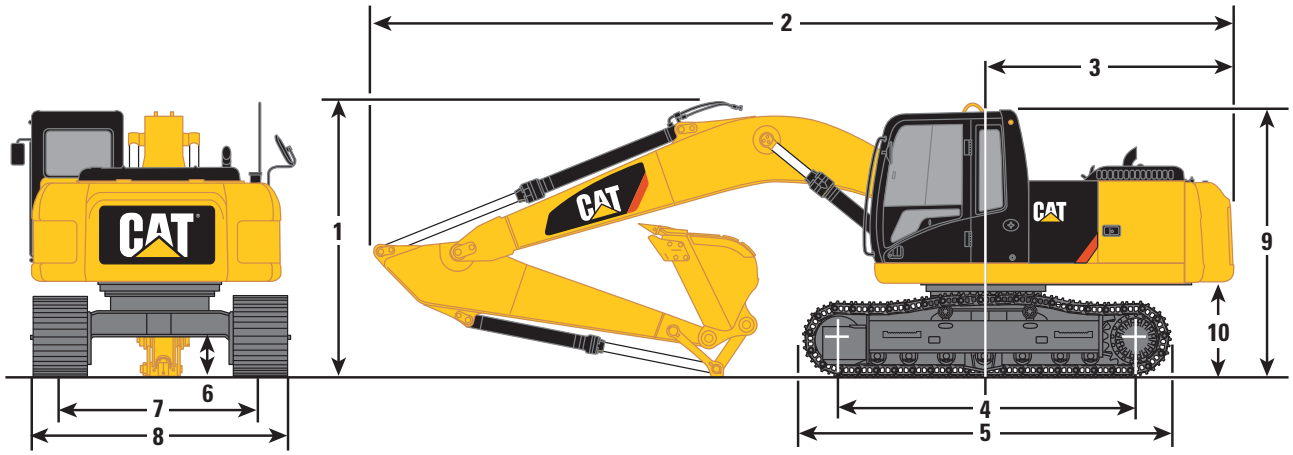
Service Refill Capacities

Fuel Tank Capacity	620 L	164 gal
Cooling System	40 L	11 gal
Engine Oil	41 L	11 gal
Swing Drive	19 L	5 gal
Final Drive (each)	8 L	2 gal
Hydraulic System Oil Capacity (including tank)	410 L	108 gal
Hydraulic Tank Oil	175 L	46 gal

336D2/D2 L Hydraulic Excavator Specifications

Dimensions

All dimensions are approximate.



Boom Options		Reach Boom 6.5 m (21'4")			Mass Boom 6.18 m (20'3")	
Stick Options	**R3.9DB (12'10")**	**R3.2DB (10'6")**	**R2.8DB (9'2")**	**M2.55TB (8'4")**	**M2.15TB (7'1")**
1 Shipping Height*	3670 mm (12'0")	3490 mm (11'5")	3640 mm (11'11")	3600 mm (11'10")	3630 mm (11'11")
2 Shipping Length	11 210 mm (36'9")	11 190 mm (36'9")	11 230 mm (36'10")	10 890 mm (35'9")	10 930 mm (35'10")
3 Tail Swing Radius	3490 mm (11'5")	3490 mm (11'5")	3490 mm (11'5")	3490 mm (11'5")	3490 mm (11'5")
4 Length to Center of Rollers					
Standard Undercarriage	3610 mm (11'10")	3610 mm (11'10")	3610 mm (11'10")	3610 mm (11'10")	3610 mm (11'10")
Long Undercarriage	4040 mm (13'3")	4040 mm (13'3")	4040 mm (13'3")	4040 mm (13'3")	4040 mm (13'3")
5 Track Length					
Standard Undercarriage	4590 mm (15'1")	4590 mm (15'1")	4590 mm (15'1")	4590 mm (15'1")	4590 mm (15'1")
Long Undercarriage	5020 mm (16'6")	5020 mm (16'6")	5020 mm (16'6")	5020 mm (16'6")	5020 mm (16'6")
6 Ground Clearance*	510 mm (1'8")	510 mm (1'8")	510 mm (1'8")	510 mm (1'8")	510 mm (1'8")
Ground Clearance**	480 mm (1'7")	480 mm (1'7")	480 mm (1'7")	480 mm (1'7")	480 mm (1'7")
7 Track Gauge					
Standard Undercarriage	2590 mm (8'6")	2590 mm (8'6")	2590 mm (8'6")	2590 mm (8'6")	2590 mm (8'6")
Long Undercarriage	2590 mm (8'6")	2590 mm (8'6")	2590 mm (8'6")	2590 mm (8'6")	2590 mm (8'6")
8 Transport Width – Long/Standard Undercarriage					
600 mm (24") Shoes	3190 mm (10'6")	3190 mm (10'6")	3190 mm (10'6")	3190 mm (10'6")	3190 mm (10'6")
700 mm (28") Shoes	3290 mm (10'10")	3290 mm (10'10")	3290 mm (10'10")	3290 mm (10'10")	3290 mm (10'10")
800 mm (32") Shoes	3390 mm (11'1")	3390 mm (11'1")	3390 mm (11'1")	3390 mm (11'1")	3390 mm (11'1")
9 Cab Height					
Non ROPS Cab	3140 mm (10'4")	3140 mm (10'4")	3140 mm (10'4")	3140 mm (10'4")	3140 mm (10'4")
ROPS Cab	3160 mm (10'4")	3160 mm (10'4")	3160 mm (10'4")	3160 mm (10'4")	3160 mm (10'4")
10 Counterweight Clearance**	1220 mm (4'0")	1220 mm (4'0")	1220 mm (4'0")	1220 mm (4'0")	1220 mm (4'0")
Bucket Type	HD	HD	HD	HD	HD
Bucket Capacity	1.88 m^3 (2.46 yd^3)	1.88 m^3 (2.46 yd^3)	1.88 m^3 (2.46 yd^3)	2.41 m^3 (3.15 yd^3)	2.41 m^3 (3.15 yd^3)
Bucket Tip Radius	1784 mm (5'10")	1784 mm (5'10")	1784 mm (5'10")	1914 mm (6'3")	1914 mm (6'3")

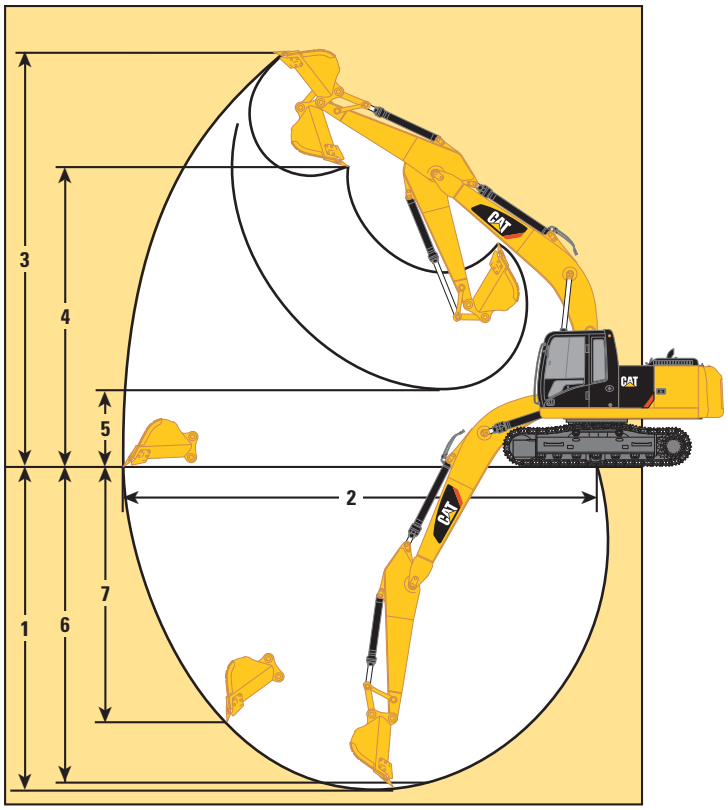
*Including shoe lug height.

**Without shoe lug height.

Dimensions may vary depending on bucket selection.

Working Ranges

All dimensions are approximate.



Boom Options		Reach Boom 6.5 m (21'4")		Mass Boom 6.18 m (20'3")	
Stick Options	**R3.9DB (12'10")**	**R3.2DB (10'6")**	**R2.8DB (9'2")**	**M2.55TB (8'4")**	**M2.15TB (7'1")**
1 Maximum Digging Depth	8210 mm (26'11")	7510 mm (24'8")	7110 mm (23'4")	6670 mm (21'11")	6270 mm (20'7")
2 Maximum Reach at Ground Level	11 760 mm (38'7")	11 050 mm (36'3")	10 750 mm (35'3")	10 280 mm (33'9")	9850 mm (32'4")
3 Maximum Cutting Height	10 730 mm (35'2")	10 250 mm (33'8")	10 320 mm (33'10")	9990 mm (32'9")	9640 mm (31'8")
4 Maximum Loading Height	7510 mm (24'8")	7080 mm (23'3")	7080 mm (23'3")	6600 mm (21'8")	6310 mm (20'8")
5 Minimum Loading Height	1880 mm (6'2")	2580 mm (8'6")	2980 mm (9'9")	2900 mm (9'6")	3300 mm (10'10")
6 Maximum Depth Cut for 2440 mm (8'0") Level Bottom	8080 mm (26'6")	7360 mm (24'2")	6950 mm (22'10")	6490 mm (21'4")	6060 mm (19'11")
7 Maximum Vertical Wall Digging Depth	6290 mm (20'8")	5420 mm (17'9")	5400 mm (17'9")	4700 mm (15'5")	4060 mm (13'4")
Bucket Type	HD	HD	HD	HD	HD
Bucket Capacity	1.88 m^3 (2.46 yd^3)	1.88 m^3 (2.46 yd^3)	1.88 m^3 (2.46 yd^3)	2.41 m^3 (3.15 yd^3)	2.41 m^3 (3.15 yd^3)
Bucket Tip Radius	1784 mm (5'10")	1784 mm (5'10")	1784 mm (5'10")	1914 mm (6'3")	1914 mm (6'3")

Dimensions may vary depending on bucket selection.

336D2/D2 L Hydraulic Excavator Specifications

Major Components*

Lower Structure (without counterweight and track)	
Standard Undercarriage	8200 kg (18,100 lb)
Long Undercarriage	8700 kg (19,200 lb)
Upper Structure (without front linkage)	
Upper Structure	8900 kg (19,600 lb)
Counterweight	
6.0 mt (6.6 t)	6000 kg (13,200 lb)
Boom (includes lines, pins and stick cylinder)	
HD Reach Boom – 6.50 m (21'4")	4200 kg (9,300 lb)
Mass Boom – 6.18 m (20'3")	4000 kg (8,800 lb)
Stick (includes lines, pins and bucket cylinder)	
R3.9DB (12'10")	2100 kg (4,600 lb)
R3.2DB (10'6")	1800 kg (4,000 lb)
HD R3.2DB (10'6")	2000 kg (4,400 lb)
HD R2.8DB (9'2")	1900 kg (4,200 lb)
M2.55TB (8'4")	2000 kg (4,400 lb)
M2.15TB (7'1")	1900 kg (4,200 lb)
Track Shoes – Standard Undercarriage	
800 mm (32") triple grouser	4700 kg (10,400 lb)
700 mm (28") triple grouser	4000 kg (8,800 lb)
600 mm (24") triple grouser	3700 kg (8,200 lb)
600 mm (24") double grouser	4500 kg (9,900 lb)
Track Shoes – Long Undercarriage	
800 mm (32") triple grouser	5100 kg (11,200 lb)
700 mm (28") triple grouser	4400 kg (9,700 lb)
600 mm (24") triple grouser	4100 kg (9,000 lb)
600 mm (24") double grouser	4900 kg (10,800 lb)
Quick Coupler	600 kg (1,300 lb)
Bucket	
1.88 m^3 (2.46 yd^3)	1600 kg (3,500 lb)
2.41 m^3 (3.15 yd^3)	2400 kg (5,300 lb)

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

Operating Weights and Ground Pressures

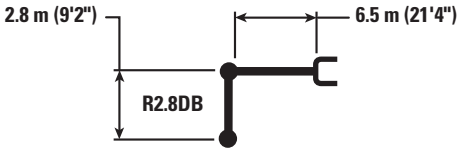
	800 mm (31") Triple Grouser Shoes		700 mm (28") Triple Grouser Shoes		600 mm (24") Triple Grouser Shoes		600 mm (24") Double Grouser Shoes	
Standard Undercarriage								
HD Reach Boom – 6.5 m (21'4")								
R3.9DB (12'10")	35 700 kg (78,700 lb)	55.4 kPa (8.0 psi)	35 100 kg (77,400 lb)	62.2 kPa (9.0 psi)	34 800 kg (76,700 lb)	72.0 kPa (10.4 psi)	35 500 kg (78,300 lb)	73.4 kPa (10.6 psi)
R3.2DB (10'6")	35 400 kg (78,000 lb)	54.9 kPa (8.0 psi)	34 800 kg (76,700 lb)	61.7 kPa (8.9 psi)	34 500 kg (76,100 lb)	71.3 kPa (10.3 psi)	35 300 kg (77,800 lb)	73.0 kPa (10.6 psi)
HD R3.2DB (10'6")	35 600 kg (78,500 lb)	55.2 kPa (8.0 psi)	35 000 kg (77,200 lb)	62.0 kPa (9.0 psi)	34 700 kg (76,500 lb)	71.8 kPa (10.4 psi)	35 400 kg (78,000 lb)	73.2 kPa (10.6 psi)
HD R2.8DB (9'2")	35 500 kg (78,300 lb)	55.1 kPa (8.0 psi)	34 900 kg (76,900 lb)	61.9 kPa (9.0 psi)	34 600 kg (76,300 lb)	71.5 kPa (10.4 psi)	35 300 kg (77,800 lb)	73.0 kPa (10.6 psi)
Mass Boom – 6.18 m (20'3")								
M2.55TB (8'4")	36 200 kg (79,800 lb)	56.1 kPa (8.1 psi)	35 600 kg (78,500 lb)	63.1 kPa (9.2 psi)	35 300 kg (77,800 lb)	73.0 kPa (10.6 psi)	36 000 kg (79,400 lb)	74.4 kPa (10.8 psi)
M2.15TB (7'1")	36 100 kg (79,600 lb)	56.0 kPa (8.1 psi)	35 500 kg (78,300 lb)	62.9 kPa (9.1 psi)	35 200 kg (77,600 lb)	72.8 kPa (10.6 psi)	35 900 kg (79,100 lb)	74.2 kPa (10.8 psi)
Long Undercarriage								
HD Reach Boom – 6.5 m (21'4")								
R3.9DB (12'10")	36 600 kg (80,700 lb)	51.1 kPa (7.4 psi)	35 900 kg (79,100 lb)	57.3 kPa (8.3 psi)	35 600 kg (78,500 lb)	66.3 kPa (9.6 psi)	36 400 kg (80,200 lb)	67.8 kPa (9.8 psi)
R3.2DB (10'6")	36 400 kg (80,200 lb)	50.9 kPa (7.4 psi)	35 700 kg (78,700 lb)	57.0 kPa (8.3 psi)	35 400 kg (78,000 lb)	65.9 kPa (9.6 psi)	36 200 kg (79,800 lb)	67.4 kPa (9.8 psi)
HD R3.2DB (10'6")	36 500 kg (80,500 lb)	51.0 kPa (7.4 psi)	35 900 kg (79,100 lb)	57.3 kPa (8.3 psi)	35 500 kg (78,300 lb)	66.1 kPa (9.6 psi)	36 400 kg (80,200 lb)	67.8 kPa (9.8 psi)
HD R2.8DB (9'2")	36 400 kg (80,200 lb)	50.9 kPa (7.4 psi)	35 700 kg (78,700 lb)	57.0 kPa (8.3 psi)	35 400 kg (78,000 lb)	65.9 kPa (9.6 psi)	36 300 kg (80,000 lb)	67.6 kPa (9.8 psi)
Mass Boom – 6.18 m (20'3")								
M2.55TB (8'4")	37 100 kg (81,800 lb)	51.8 kPa (7.5 psi)	36 400 kg (80,200 lb)	58.1 kPa (8.4 psi)	36 100 kg (79,600 lb)	67.2 kPa (9.8 psi)	36 900 kg (81,400 lb)	68.7 kPa (10.0 psi)
M2.15TB (7'1")	37 100 kg (81,800 lb)	51.8 kPa (7.5 psi)	36 300 kg (80,000 lb)	58.0 kPa (8.4 psi)	36 000 kg (79,400 lb)	67.1 kPa (9.7 psi)	36 900 kg (81,400 lb)	68.7 kPa (10.0 psi)

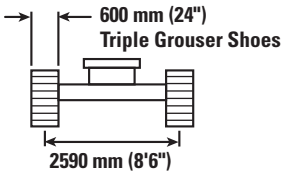
Bucket and Stick Forces

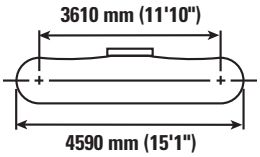
		Reach Boom 6.5 m (21'4")		Mass Boom 6.18 m (20'3")	
Heavy-Duty Bucket	**R3.9DB (12'10")**	**R3.2DB (10'6")**	**R2.8DB (9'2")**	**M2.55TB (8'4")**	**M2.15TB (7'1")**
Bucket Digging Force (ISO)	211.1 kN (47,460 lbf)	211.1 kN (47,460 lbf)	211.1 kN (47,460 lbf)	265.0 kN (59,570 lbf)	265.0 kN (59,570 lbf)
Stick Digging Force (ISO)	144.9 kN (32,570 lbf)	166.9 kN (37,520 lbf)	185.8 kN (41,760 lbf)	190.7 kN (42,880 lbf)	222.2 kN (49,950 lbf)
Bucket Digging Force (SAE)	184.3 kN (41,440 lbf)	184.3 kN (41,440 lbf)	184.3 kN (41,440 lbf)	228.7 kN (51,410 lbf)	228.7 kN (51,410 lbf)
Stick Digging Force (SAE)	141.1 kN (31,720 lbf)	161.7 kN (36,360 lbf)	179.3 kN (40,320 lbf)	182.9 kN (41,130 lbf)	211.8 kN (47,620 lbf)

336D2/D2 L Hydraulic Excavator Specifications

HD Reach Boom Lift Capacities – Standard Undercarriage – Counterweight: 6.0 mt (6.6 t)







		3000 mm/120 in		4500 mm/180 in		6000 mm/240 in		7500 mm/300 in		9000 mm/360 in				
														mm **in**
7500 mm **300 in**	kg **lb**											*8550 ***18,800**	7150 **16,100**	7340 **290**
6000 mm **240 in**	kg **lb**					*9100 ***19,800**	*9100 ***19,800**	*8450 ***18,500**	6850 **14,700**			7850 **17,500**	5800 **12,900**	8250 **330**
4500 mm **180 in**	kg **lb**			*13 150 ***28,150**	*13 150 ***28,150**	*10 350 ***22,350**	9350 **20,150**	*8950 **19,400**	6650 **14,300**			6950 **15,350**	5100 **11,250**	8820 **350**
3000 mm **120 in**	kg **lb**			*16 300 ***34,950**	13 150 **28,400**	*11 800 ***25,450**	8800 **18,950**	8750 **18,800**	6350 **13,700**	6600	4800	6500 **14,300**	4750 **10,400**	9110 **360**
1500 mm **60 in**	kg **lb**			*15 950 ***38,900**	12 350 **26,600**	11 700 **25,200**	8300 **17,900**	8450 **18,200**	6100 **13,150**	6500	4700	6350 **13,950**	4600 **10,100**	9140 **360**
0 mm **0 in**	kg **lb**			17 900 **38,450**	12 050 **25,950**	11 400 **24,500**	8000 **17,250**	8250 **17,800**	5900 **12,750**			6500 **14,300**	4700 **10,300**	8920 **350**
–1500 mm **–60 in**	kg **lb**	*12 400 ***28,250**	*12 400 ***28,250**	*17 800 **38,400**	12 050 **25,900**	11 300 **24,300**	7950 **17,050**	8200 **17,650**	5850 **12,650**			7000 **15,450**	5050 **11,150**	8420 **340**
–3000 mm **–120 in**	kg **lb**	*21 250 ***46,200**	*21 250 ***46,200**	*16 200 ***35,050**	12 200 **26,250**	11 400 **24,500**	8000 **17,250**	8300	5950			8150 **18,100**	5850 **13,000**	7600 **300**
–4500 mm **–180 in**	kg **lb**	*16 950 ***36,400**	*16 950 ***36,400**	*13 150 ***28,200**	12 600 **27,100**	*9800 ***20,550**	8300 **18,000**					*8950 ***19,650**	7800 **17,450**	6330 **250**

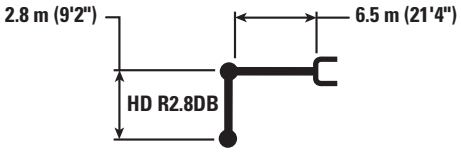
* **ISO 10567**

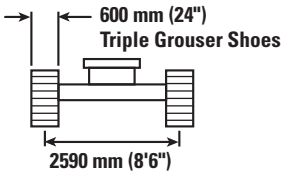
*Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories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

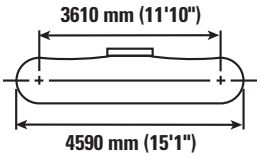
Lift capacity stays with ±5% for all available track shoes.

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

HD Reach Boom Lift Capacities – Standard Undercarriage – Counterweight: 6.0 mt (6.6 t)







		3000 mm/120 in		4500 mm/180 in		6000 mm/240 in		7500 mm/300 in		9000 mm/360 in				
														mm **in**
7500 mm **300 in**	kg **lb**											*8400 ***18,550**	7050 **15,900**	7340 **290**
6000 mm **240 in**	kg **lb**					*9000 ***19,500**	*9000 ***19,500**	*8350 ***18,250**	6750 **14,500**			7750 **17,250**	5700 **12,700**	8250 **330**
4500 mm **180 in**	kg **lb**			*13 000 ***27,850**	*13 000 ***27,850**	*10 200 ***22,050**	9250 **19,900**	*8850 ***19,200**	6550 **14,050**			6850 **15,100**	5000 **11,050**	8820 **350**
3000 mm **120 in**	kg **lb**			*16 100 ***34,600**	13 000 **28,100**	*11 650 ***25,150**	8650 **18,650**	8600 **18,550**	6250 **13,450**	6500	4700	6400 **14,050**	4600 **10,150**	9110 **360**
1500 mm **60 in**	kg **lb**			*15 900 ***38,700**	12 150 **26,200**	11 550 **24,900**	8150 **17,600**	8350 **17,950**	6000 **12,900**	6350	4600	6250 **13,700**	4500 **9,850**	9140 **360**
0 mm **0 in**	kg **lb**			17 750 **38,050**	11 900 **25,550**	11 250 **24,200**	7900 **16,950**	8150 **17,500**	5800 **12,500**			6400 **14,050**	4600 **10,050**	8920 **350**
–1500 mm **–60 in**	kg **lb**	*12 350 ***28,100**	*12 350 ***28,100**	*17 650 **38,000**	11 900 **25,550**	11 150 **24,000**	7800 **16,750**	8050 **17,400**	5750 **12,350**			6900 **15,200**	4950 **10,900**	8420 **340**
–3000 mm **–120 in**	kg **lb**	*21 050 ***45,750**	*21 050 ***45,750**	*16 000 ***34,700**	12 050 **25,900**	11 250 **24,200**	7850 **16,950**	8200	5850			8050 **17,850**	5750 **12,750**	7600 **300**
–4500 mm **–180 in**	kg **lb**	*16 750 ***35,950**	*16 750 ***35,950**	*13 000 ***27,850**	12 450 **26,800**	*9650 ***20,250**	8200 **17,700**					*8800 ***19,350**	7650 **17,200**	6330 **250**

* **ISO 10567**

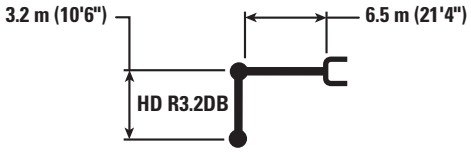
*Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories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

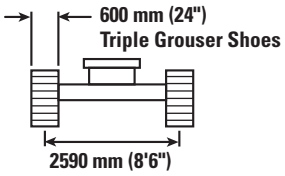
Lift capacity stays with ±5% for all available track shoes.

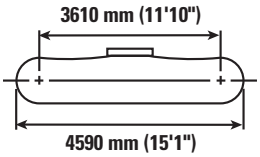
Always refer to the appropriate Operation and Maintenance Manual for specific product information.

336D2/D2 L Hydraulic Excavator Specifications

HD Reach Boom Lift Capacities – Standard Undercarriage – Counterweight: 6.0 mt (6.6 t)







		3000 mm/120 in		4500 mm/180 in		6000 mm/240 in		7500 mm/300 in		9000 mm/360 in				
														mm **in**
7500 mm **300 in**	kg **lb**							*7750	6900			*6700 ***14,800**	6550 **14,750**	7710 **300**
6000 mm **240 in**	kg **lb**							*7850 ***17,200**	6850 **14,650**			*6500 ***14,300**	5350 **11,950**	8580 **340**
4500 mm **180 in**	kg **lb**			*12 050	*12 050	*9650 ***20,850**	9350 **20,150**	*8450 ***18,350**	6600 **14,150**	6650	4850	6500 **14,350**	4700 **10,450**	9130 **360**
3000 mm **120 in**	kg **lb**			*15 200 ***32,650**	13 250 **28,600**	*11 150 ***24,100**	8750 **18,800**	8650 **18,600**	6250 **13,500**	6500 **13,950**	4700 **10,100**	6050 **13,350**	4400 **9,650**	9410 **370**
1500 mm **60 in**	kg **lb**			*17 500 ***37,700**	12 250 **26,400**	11 600 **25,000**	8200 **17,650**	8350 **17,900**	6000 **12,850**	6350 **13,650**	4550 **9,800**	5900 **13,000**	4250 **9,350**	9440 **380**
0 mm **0 in**	kg **lb**			17 700 **37,950**	11 850 **25,450**	11 250 **24,150**	7850 **16,900**	8100 **17,450**	5750 **12,400**	6250 **13,400**	4450 **9,600**	6050 **13,250**	4300 **9,450**	9220 **370**
–1500 mm **–60 in**	kg **lb**	*13 250 ***29,900**	*13 250 ***29,900**	17 600 **37,700**	11 750 **25,250**	11 050 **23,800**	7700 **16,600**	8000 **17,200**	5650 **12,200**			6450 **14,250**	4600 **10,150**	8750 **350**
–3000 mm **–120 in**	kg **lb**	*20 900 ***47,350**	*20 900 ***47,350**	*16 550 ***35,800**	11 900 **25,550**	11 100 **23,900**	7750 **16,650**	8050 **17,350**	5700 **12,300**			7450 **16,450**	5300 **11,750**	7960 **320**
–4500 mm **–180 in**	kg **lb**	*18 550 ***39,900**	*18 550 ***39,900**	*13 950 ***30,000**	12 200 **26,300**	*10 550 ***22,450**	8000 **17,250**					*8900 ***19,550**	6850 **15,300**	6750 **270**

* **ISO 10567**

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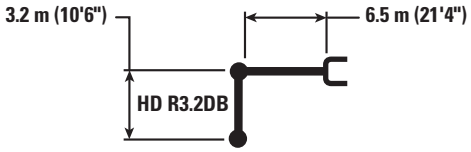
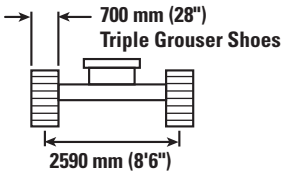
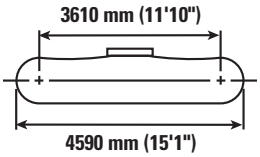
Lift capacity stays with ±5% for all available track shoes.

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

HD Reach Boom Lift Capacities – Standard Undercarriage – Counterweight: 6.0 mt (6.6 t)







		3000 mm/120 in		4500 mm/180 in		6000 mm/240 in		7500 mm/300 in		9000 mm/360 in				
														mm **in**
7500 mm **300 in**	kg **lb**							*7750	6950			*6700 ***14,800**	6600 ***14,800**	7710 **300**
6000 mm **240 in**	kg **lb**							*7850 ***17,200**	6900 **14,750**			*6500 ***14,300**	5400 **12,050**	8580 **340**
4500 mm **180 in**	kg **lb**			*12 050	*12 050	*9650 ***20,850**	9400 **20,300**	*8450 ***18,350**	6650 **14,250**	6700	4900	*6550 ***14,350**	4750 **10,550**	9130 **360**
3000 mm **120 in**	kg **lb**			*15 200 ***32,650**	13 350 **28,850**	*11 150 ***24,100**	8800 **18,950**	8700 **18,750**	6300 **13,600**	6550 **14,100**	4750 **10,200**	6100 **13,450**	4400 **9,700**	9410 **370**
1500 mm **60 in**	kg **lb**			*17 500 ***37,700**	12 350 **26,650**	11 700 **25,200**	8250 **17,800**	8400 **18,100**	6050 **12,950**	6400 **13,750**	4600 **9,900**	5950 **13,100**	4300 **9,400**	9440 **380**
0 mm **0 in**	kg **lb**			17 850 **38,250**	11 950 **25,650**	11 350 **24,350**	7900 **17,050**	8150 **17,600**	5800 **12,500**	6300 **13,550**	4500 **9,650**	6100 **13,400**	4350 **9,550**	9220 **370**
–1500 mm **–60 in**	kg **lb**	*13 250 ***29,900**	*13 250 ***29,900**	17 750 **38,050**	11 850 **25,450**	11 150 **24,000**	7800 **16,750**	8050 **17,350**	5700 **12,300**			6550 **14,400**	4650 **10,250**	8750 **350**
–3000 mm **–120 in**	kg **lb**	*20 900 ***47,350**	*20 900 ***47,350**	*16 550 ***35,800**	12 000 **25,750**	11 200 **24,100**	7800 **16,800**	8100 **17,500**	5750 **12,450**			7500 **16,600**	5350 **11,850**	7960 **320**
–4500 mm **–180 in**	kg **lb**	*18 550 ***39,900**	*18 550 ***39,900**	*13 950 ***30,000**	12 300 **26,500**	*10 550 ***22,450**	8050 **17,400**					*8900 ***19,550**	6900 **15,450**	6750 **270**

* **ISO 10567**

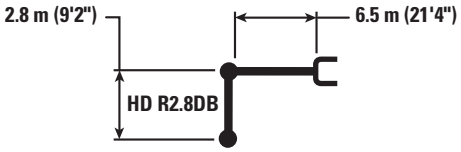
*Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories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

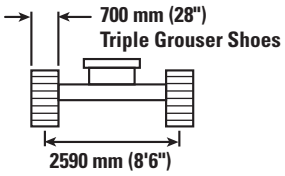
Lift capacity stays with ±5% for all available track shoes.

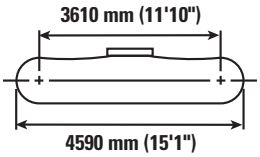
Always refer to the appropriate Operation and Maintenance Manual for specific product information.

336D2/D2 L Hydraulic Excavator Specifications

HD Reach Boom Lift Capacities – Standard Undercarriage – Counterweight: 6.0 mt (6.6 t)







		3000 mm/120 in		4500 mm/180 in		6000 mm/240 in		7500 mm/300 in		9000 mm/360 in				
														mm **in**
7500 mm **300 in**	kg **lb**											*8400 ***18,550**	7100 **16,000**	7340 **290**
6000 mm **240 in**	kg **lb**					*9000 ***19,500**	*9000 ***19,500**	*8350 ***18,250**	6800 **14,600**			7800 **17,400**	5750 **12,800**	8250 **330**
4500 mm **180 in**	kg **lb**			*13 000 ***27,850**	*13 000 ***27,850**	*10 200 ***22,050**	9300 **20,050**	*8850 ***19,200**	6600 **14,150**			6900 **15,250**	5050 **11,100**	8820 **350**
3000 mm **120 in**	kg **lb**			*16 100 ***34,600**	13 100 **28,300**	*11 650 ***25,150**	8700 **18,800**	8700 **18,700**	6300 **13,550**	6550	4750	6450 **14,150**	4650 **10,250**	9110 **360**
1500 mm **60 in**	kg **lb**			*15 900 ***38,700**	12 250 **26,450**	11 650 **25,100**	8250 **17,750**	8400 **18,100**	6050 **13,000**	6450	4650	6300 **13,850**	4550 **9,950**	9140 **360**
0 mm **0 in**	kg **lb**			17 900 **38,350**	12 000 **25,800**	11 350 **24,400**	7950 **17,100**	8200 **17,650**	5850 **12,600**			6450 **14,150**	4600 **10,150**	8920 **350**
–1500 mm **–60 in**	kg **lb**	*12 350 ***28,100**	*12 350 ***28,100**	*17 650 ***38,250**	12 000 **25,750**	11 250 **24,200**	7850 **16,900**	8150 **17,550**	5800 **12,450**			6950 **15,350**	5000 **11,000**	8420 **340**
–3000 mm **–120 in**	kg **lb**	*21 050 ***45,750**	*21 050 ***45,750**	*16 000 ***34,700**	12 150 **26,150**	11 350 **24,400**	7950 **17,100**	8250	5900			8100 **18,000**	5800 **12,850**	7600 **300**
–4500 mm **–180 in**	kg **lb**	*16 750 ***35,950**	*16 750 ***35,950**	*13 000 ***27,850**	12 550 **27,000**	*9650 ***20,250**	8250 **17,850**					*8800 ***19,350**	7750 **17,350**	6330 **250**

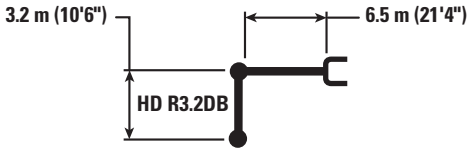
* **ISO 10567**

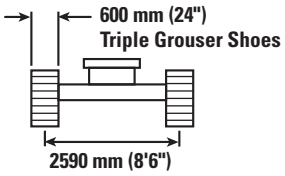
*Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories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

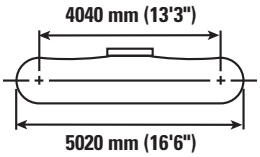
Lift capacity stays with ±5% for all available track shoes.

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

HD Reach Boom Lift Capacities – Long Undercarriage – Counterweight: 6.0 mt (6.6 t)







		3000 mm/120 in		4500 mm/180 in		6000 mm/240 in		7500 mm/300 in		9000 mm/360 in				
														mm **in**
7500 mm **300 in**	kg **lb**							*7750	7050			*6700 ***14,800**	*6700 ***14,800**	7710 **300**
6000 mm **240 in**	kg **lb**							*7850 ***17,200**	6950 **14,950**			*6500 ***14,300**	5500 **12,200**	8580 **340**
4500 mm **180 in**	kg **lb**			*12 050	*12 050	*9650 ***20,850**	9550 **20,550**	*8450 ***18,350**	6750 **14,450**	*7700	4950	*6550 ***14,350**	4850 **10,700**	9130 **360**
3000 mm **120 in**	kg **lb**			*15 200 ***32,650**	13 550 **29,250**	*11 150 ***24,100**	8900 **19,250**	*9200 ***19,950**	6400 **13,800**	7650 **16,450**	4850 **10,350**	*6800 ***14,900**	4500 **9,900**	9410 **370**
1500 mm **60 in**	kg **lb**			*17 500 ***37,700**	12 550 **27,050**	*12 450 ***26,950**	8400 **18,050**	9900 **21,250**	6100 **13,150**	7500 **16,150**	4700 **10,050**	7000 **15,400**	4350 **9,550**	9440 **380**
0 mm **0 in**	kg **lb**			*18 250 ***39,500**	12 100 **26,050**	*13 250 ***28,650**	8050 **17,300**	9650 **20,750**	5900 **12,700**	7400 **15,900**	4600 **9,850**	7150 **15,700**	4400 **9,700**	9220 **370**
–1500 mm **–60 in**	kg **lb**	*13 250 ***29,900**	*13 250 ***29,900**	*17 850 ***38,700**	12 050 **25,850**	*13 300 **28,700**	7900 **17,000**	9550 **20,500**	5800 **12,500**			7700 **16,900**	4750 **10,450**	8750 **350**
–3000 mm **–120 in**	kg **lb**	*20 900 ***47,350**	*20 900 ***47,350**	*16 550 ***35,800**	12 150 **26,150**	*12 600 ***27,150**	7950 **17,100**	9600 **20,650**	5850 **12,650**			8850 ***19,550**	5450 **12,050**	7960 **320**
–4500 mm **–180 in**	kg **lb**	*18 550 ***39,900**	*18 550 ***39,900**	*13 950 ***30,000**	12 500 **26,900**	*10 550 ***22,450**	8200 **17,650**					*8900 ***19,550**	7000 **15,650**	6750 **270**

* **ISO 10567**

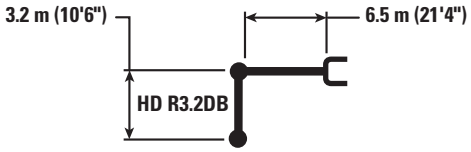
*Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories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

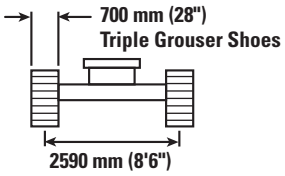
Lift capacity stays with ±5% for all available track shoes.

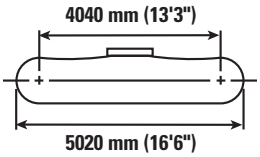
Always refer to the appropriate Operation and Maintenance Manual for specific product information.

336D2/D2 L Hydraulic Excavator Specifications

HD Reach Boom Lift Capacities – Long Undercarriage – Counterweight: 6.0 mt (6.6 t)







		3000 mm/120 in		4500 mm/180 in		6000 mm/240 in		7500 mm/300 in		9000 mm/360 in				
														mm **in**
7500 mm **300 in**	kg **lb**							*7750	7100			*6700 ***14,800**	*6700 ***14,800**	7710 **300**
6000 mm **240 in**	kg **lb**							*7850 ***17,200**	7050 **15,100**			*6500 ***14,300**	5550 **12,300**	8580 **340**
4500 mm **180 in**	kg **lb**			*12 050	*12 050	*9650 ***20,850**	9600 **20,700**	*8450 ***18,350**	6800 **14,600**	*7700	5000	*6550 ***14,350**	4900 **10,800**	9130 **360**
3000 mm **120 in**	kg **lb**			*15 200 ***32,650**	13 650 **29,450**	*11 150 ***24,100**	9000 **19,400**	*9200 ***19,950**	6450 **13,950**	7750 **16,600**	4850 **10,450**	*6800 ***14,900**	4550 **9,950**	9410 **370**
1500 mm **60 in**	kg **lb**			*17 500 ***37,700**	12 650 **27,250**	*12 450 ***26,950**	8450 **18,250**	*9950 **21,450**	6200 **13,300**	7600 **16,300**	4750 **10,150**	7050 **15,500**	4400 **9,650**	9440 **380**
0 mm **0 in**	kg **lb**			*18 250 ***39,500**	12 250 **26,300**	*13 250 ***28,650**	8100 **17,500**	9750 **20,950**	5950 **12,850**	7450 **16,050**	4600 **9,950**	7200 **15,850**	4450 **9,800**	9220 **370**
–1500 mm **–60 in**	kg **lb**	*13 250 ***29,900**	*13 250 ***29,900**	*17 850 ***38,700**	12 150 **26,100**	*13 300 ***28,800**	7950 **17,150**	9650 **20,700**	5850 **12,600**			7750 **17,100**	4800 **10,550**	8750 **350**
–3000 mm **–120 in**	kg **lb**	*20 900 ***47,350**	*20 900 ***47,350**	*16 550 ***35,800**	12 250 **26,400**	*12 600 ***27,150**	8000 **17,250**	9700 ***20,800**	5900 **12,750**			*8850 ***19,550**	5500 **12,150**	7960 **320**
–4500 mm **–180 in**	kg **lb**	*18 550 ***39,900**	*18 550 ***39,900**	*13 950 ***30,000**	12 600 **27,150**	*10 550 ***22,450**	8250 **17,800**					*8900 ***19,550**	7050 **15,800**	6750 **270**

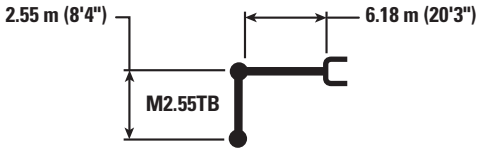
* **ISO 10567**

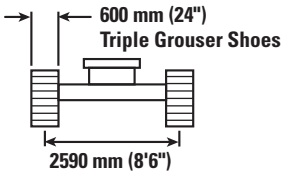
*Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories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

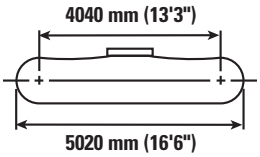
Lift capacity stays with ±5% for all available track shoes.

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

Mass Boom Lift Capacities – Long Undercarriage – Counterweight: 6.0 mt (6.6 t)







		3000 mm/120 in		4500 mm/180 in		6000 mm/240 in		7500 mm/300 in				
												mm **in**
7500 mm **300 in**	kg **lb**					*9250 ***20,450**	*9250 ***20,450**			*8300 ***18,400**	*8300 ***18,400**	6590 **260**
6000 mm **240 in**	kg **lb**					*9600 ***20,850**	*9600 ***20,850**	*9050	6750	*7900 ***17,450**	6600 **14,700**	7600 **300**
4500 mm **180 in**	kg **lb**			*13 400 ***28,750**	*13 400 ***28,750**	*10 650 ***23,050**	9350 **20,150**	*9300 ***20,300**	6600 **14,200**	*7900 ***17,400**	5700 **12,550**	8210 **330**
3000 mm **120 in**	kg **lb**			*16 350 ***35,150**	13 300 **28,750**	*11 950 ***25,900**	8800 **19,000**	*9900 ***21,500**	6350 **13,650**	*8200 ***18,050**	5200 **11,500**	8520 **340**
1500 mm **60 in**	kg **lb**			*18 200 ***39,250**	12 500 **26,900**	*13 050 ***28,250**	8350 **18,000**	9850 **21,200**	6100 **13,150**	8100 **17,850**	5050 **11,150**	8550 **340**
0 mm **0 in**	kg **lb**			*18 350 ***39,800**	12 200 **26,300**	*13 550 **29,150**	8100 **17,400**	9700 **20,850**	5950 **12,800**	8350 **18,400**	5200 **11,400**	8310 **330**
–1500 mm **–60 in**	kg **lb**	*16 900 ***38,350**	*16 900 ***38,350**	*17 450 ***37,800**	12 250 **26,300**	*13 200 ***28,550**	8000 **17,250**	9650 **20,800**	5950 **12,800**	9200 **20,300**	5700 **12,500**	7780 **310**
–3000 mm **–120 in**	kg **lb**	*19 950 ***43,300**	*19 950 ***43,300**	*15 350 ***33,200**	12 450 **26,750**	*11 700 ***25,100**	8150 **17,600**			*9650 ***21,200**	6850 **15,150**	6880 **270**
–4500 mm **–180 in**	kg **lb**			*11 250 ***23,800**	*11 250 ***23,800**					*8900 ***19,450**	*8900 ***19,450**	5430 **210**

* **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.

336D2 Work Tool Offering Guide*

Boom Type	HD Reach			Mass
Stick Size	**R3.9DB (12'10")**	**R3.2DB (10'6")**	**R2.8DB (9'2")**	**M2.55TB (8'4")**
Hydraulic Hammer	H140Es H160Es	H140Es H160Es	H140Es H160Es	H140Es H160Es H180Es
Multi-Processor	MP20 with CC Jaw MP20 with CR Jaw MP20 with PP Jaw MP20 with PS Jaw MP20 with S Jaw MP20 with TS Jaw	MP20 with CC Jaw MP20 with CR Jaw MP20 with PP Jaw MP20 with PS Jaw MP20 with S Jaw MP20 with TS Jaw	MP20 all Jaw Options MP30 with CC Jaw MP30 with CR Jaw MP30 with PS Jaw	MP30 with CC Jaw MP30 with CR Jaw MP30 with PP Jaw MP30 with PS Jaw MP30 with S Jaw
Crusher	P325	P325	P325 P335	P335
Pulverizer	P225	P225	P225 P235	P325
Demolition and Sorting Grapple	G325B	G325B G330	G325B G330	G330
Mobile Scrap and Demolition Shear	S325B	S325B	S325B	S365C
Compactor (Vibratory Plate)	CVP110	CVP110	CVP110	CVP110
Contractors' Grapple	G130B	G130B	G130B	
Trash Grapple	These work tools are available for the 336D2. Consult your Cat dealer for proper match.			
Thumbs				
Orange Peel Grapples				
Rakes				
Center-Lock Coupler				
CW Quick Coupler				

*Offerings may not be available in all areas.
Matches are dependent on excavator configurations, pin-on or with quick coupler installation, stick or boom mounted, working over the front or over the side.
Consult your Cat dealer to determine what is offered in your area and for proper work tool match.

336D2 L Work Tool Offering Guide*

Boom Type	HD Reach			Mass	
Stick Size	**R3.9DB (12'10")**	**HD R3.2DB (10'6")**	**HD R2.8DB (9'2")**	**M2.55TB (8'4")**	**M2.15TB (7'1")**
Hydraulic Hammer	H140Es H160Es ***	H140Es H160Es ^ ^^	H140Es H160Es ^ ^^	H140Es H160Es ^^	H140Es H160Es
Multi-Processor	MP324 with CC Jaw ^^ MP324 with D Jaw ^^ MP324 with P Jaw ^ ^^ MP324 with U Jaw ^ ^^ MP324 with S Jaw MP324 with TS Jaw ^ ^^	MP324 with CC Jaw MP324 with D Jaw MP324 with P Jaw MP324 with U Jaw MP324 with S Jaw MP324 with TS Jaw MP30 with CC Jaw ***# MP30 with CR Jaw ***# MP30 with PS Jaw ***# MP30 with S Jaw ***#	MP324 with CC Jaw MP324 with D Jaw MP324 with P Jaw MP324 with U Jaw MP324 with S Jaw MP324 with TS Jaw MP30 with CC Jaw *** MP30 with CR Jaw *** MP30 with PS Jaw ***# MP30 with S Jaw ***#	MP30 with CC Jaw **^ MP30 with CR Jaw **^ MP30 with PP Jaw *** MP30 with PS Jaw **^ MP30 with S Jaw **^ MP30 with TS Jaw ***#	MP30 with CC Jaw ** MP30 with CR Jaw ** MP30 with PP Jaw **^ MP30 with PS Jaw ** MP30 with S Jaw ** MP30 with TS Jaw ***
Crusher	P325	P325 P335 ***#	P325 P335 ***	P335 **^	P335 **
Pulverizer	P225	P225 P235 ***#	P225 P235 ***	P325 **^	P325 **
Demolition and Sorting Grapple	G325B ***	G325B ^^ G330 ***	G325B G330 ***	G330 **	G330 ^^
Mobile Scrap and Demolition Shear	S325B *** S365C ##	S325B ^^ S365C ##	S325B S365C ##	S365C ##	S340 ***# S365C ##
Compactor (Vibratory Plate)	CVP110	CVP110	CVP110	CVP110	CVP110
Contractors' Grapple	G130B	G130B	G130B		
Trash Grapple	These work tools are available for the 336D2 L. Consult your Cat dealer for proper match.				
Thumbs					
Orange Peel Grapples					
Rakes					
Center-Lock Pin Grabber Coupler					
Dedicated Quick Coupler					

*Offerings may not be 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 CW coupler.

^^Over the front only with CL coupler.

Hammer is only a match when usage is less then 50%.

336D2/D2 L Hydraulic Excavator Specifications

336D2 Bucket Specifications and Compatibility – GCN1

		Width		Capacity		Weight		Fill	HD Reach Boom	
									R2.8 (9'2") HD	R3.2 (10'6") HD
	Linkage	mm	in	m^3	yd^3	kg	lb	%	600 mm (24") Triple Grouser	600 mm (24") Triple Grouser
DB Linkage without Quick Coupler										
Heavy Duty (HD)	DB	1400	55	1.64	2.14	1460	3,219	100	◉	◉
	DB	1550	61	1.88	2.46	1553	3,424	100	⊖	⊖
	DB	1700	67	2.12	2.77	1647	3,630	100	○	○
Severe Duty (SD)	DB	1400	56	1.64	2.14	1643	3,622	90	●	◉
	DB	1550	62	1.88	2.46	1787	3,939	90	⊖	⊖
Extreme Duty (XD)	DB	1350	54	1.64	2.14	1804	3,976	90	●	◉
Maximum load pin-on (payload + bucket)								kg	4655	4371
								lb	10,260	9,634

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 (3,500 lb/yd^3) or less
- ◉ 1800 kg/m^3 (3,000 lb/yd^3) or less
- ⊖ 1500 kg/m^3 (2,500 lb/yd^3) or less
- ○ 1200 kg/m^3 (2,000 lb/yd^3) or less

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.

336D2 L Bucket Specifications and Compatibility – APD except China

		Width		Capacity		Weight		Fill	HD Reach Boom			Mass Boom
									R2.8 (9'2") HD	R3.2 (10'6") HD	R3.9 (12'10")	M2.55 (8'4")
	Linkage	mm	in	m^3	yd^3	kg	lb	%	600 mm (24") Triple Grouser	600 mm (24") Triple Grouser	600 mm (24") Triple Grouser	600 mm (24") Triple Grouser
DB/TB Linkage without Quick Coupler												
General Duty (GD)	DB	1500	60	1.87	2.44	1350	2,976	100	◉	⊖	○	
Heavy Duty (HD)	DB	1550	61	1.88	2.46	1585	3,492	100	⊖	⊖	○	
	DB	1700	67	2.12	2.77	1647	3,630	100	⊖	○	◇	
	TB	1650	66	2.41	3.16	2259	4,979	100				○
	TB	1850	72	2.69	3.52	2459	5,421	100				◇
Severe Duty (SD)	DB	1400	56	1.64	2.14	1643	3,622	90	●	◉	⊖	
	TB	1350	55	1.87	2.44	2218	4,890	90				◉
	TB	1650	66	2.41	3.16	2541	5,602	90				○
Maximum load pin-on (payload + bucket)								kg	4799	4510	3966	5482
								lb	10,577	9,940	8,741	12,082

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 (3,500 lb/yd^3) or less
- ◉ 1800 kg/m^3 (3,000 lb/yd^3) or less
- ⊖ 1500 kg/m^3 (2,500 lb/yd^3) or less
- ○ 1200 kg/m^3 (2,000 lb/yd^3) or less
- ◇ 900 kg/m^3 (1,500 lb/yd^3) or less
- Less than 100% structure life

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.

336D2/D2 L Hydraulic Excavator Specifications

336D2 L Bucket Specifications and Compatibility – AME, CIS

		Width		Capacity		Weight		Fill	HD Reach Boom		Mass Boom
									R3.2 (10'6") HD	R3.9 (12'10")	M2.55 (8'4")
	Linkage	mm	in	m^3	yd^3	kg	lb	%	600 mm (24") Triple Grouser	600 mm (24") Triple Grouser	600 mm (24") Triple Grouser
DB/TB Linkage without Quick Coupler											
General Duty (GD)	DB	1350	53	1.64	2.14	1173	2,585	100	●	⊖	
	DB	1650	65	2.12	2.76	1352	2,979	100	⊖	○	
	DB	1800	71	2.36	3.08	1453	3,202	100	○	◇	
	TB	1500	60	2.14	2.80	1872	4,126	100			⊖
	TB	1650	66	2.41	3.16	2027	4,468	100			⊖
Heavy Duty (HD)	DB	1350	54	1.64	2.14	1481	3,265	100	◉	⊖	
	DB	1500	60	1.88	2.46	1600	3,526	100	⊖	○	
	DB	1650	66	2.14	2.80	1730	3,814	100	○	◇	
	TB	1650	66	2.41	3.16	2210	4,871	100			○
Severe Duty (SD)	DB	1650	66	2.12	2.80	1827	4,028	90	○	◇	
	TB	1350	55	1.87	2.44	2065	4,551	90			●
	TB	1700	67	2.41	3.16	2385	5,257	90			⊖
						Maximum load pin-on (payload + bucket)		kg	4510	3966	5482
								lb	9,940	8,741	12,082
DB/TB Linkage with Quick Coupler (CW45, CW45s)											
General Duty (GD)	DB	1050	41	1.17	1.53	986	2,172	100	●	●	
	DB	1200	47	1.40	1.83	1064	2,345	100	●	◉	
	DB	1350	53	1.64	2.14	1143	2,519	100	◉	⊖	
	DB	1500	59	1.87	2.45	1245	2,745	100	⊖	○	
	DB	1650	65	2.11	2.76	1324	2,918	100	○	◇	
Heavy Duty (HD)	DB	1350	54	1.64	2.14	1417	3,122	100	⊖	○	
	DB	1500	60	1.88	2.46	1514	3,337	100	○	◇	
	DB	1650	66	2.14	2.80	1647	3,629	100	◇	X	
	TB	1650	66	2.41	3.16	2117	4,666	100			○
Severe Duty (SD)	DB	1050	42	1.17	1.54	1272	2,803	90	●	●	
	DB	1650	66	2.14	2.80	1802	3,971	90	○	◇	
	TB	1350	54	1.87	2.44	1974	4,351	90			◉
	TB	1650	66	2.41	3.16	2295	5,058	90			○
						Maximum load with coupler (payload + bucket)		kg	4020	3476	4992
								lb	8,860	7,661	11,002

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 (3,500 lb/yd³) or less
- ◉ 1800 kg/m³ (3,000 lb/yd³) or less
- ⊖ 1500 kg/m³ (2,500 lb/yd³) or less
- ○ 1200 kg/m³ (2,000 lb/yd³) or less
- ◇ 900 kg/m³ (1,500 lb/yd³) or less
- X Not Recommended
- Less than 100% structure life

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.

336D2 L Bucket Specifications and Compatibility – LACD

		Width		Capacity		Weight		Fill	HD Reach Boom	Mass Boom	
									R3.2 (10'6") HD	M2.15 (7'1")	M2.55 (8'4")
	Linkage	mm	in	m^3	yd^3	kg	lb	%	600 mm (24") Triple Grouser	600 mm (24") Triple Grouser	600 mm (24") Triple Grouser
DB/TB Linkage without Quick Coupler											
Heavy Duty (HD)	TB	1800	72	2.69	3.52	2320	5115	100		○	○
Severe Duty (SD)	DB	1650	66	2.12	2.80	1827	4028	90	⊖		
Severe Duty Power (SDP)	TB	1750	69	2.40	3.14	2454	5410	90		⊖	○
Severe Duty Power Spade (SDPV)	TB	1750	69	2.40	3.14	2522	5560	90		⊖	○
Extreme Duty Power (XDP)	TB	1550	61	2.00	2.59	2516	5545	90		◉	⊖
Maximum load pin-on (payload + bucket)								kg	4700	6070	5540
								lb	10,359	13,378	12,210

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:

◉ 1800 kg/m^3 (3,000 lb/yd^3) or less

⊖ 1500 kg/m^3 (2,500 lb/yd^3) or less

○ 1200 kg/m^3 (2,000 lb/yd^3) or less

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.

336D2/D2 L Standard Equipment

Standard Equipment

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

ENGINE

- Diesel C9 ACERT engine
- 2300 m (7,546 ft) altitude capability
- 65 amp alternator
- Air intake heater
- High power version with Power Management Mode
- Radial seal air filters (primary and secondary filter)
- Automatic engine speed control
- Water separator with water level indicator sensor
- Waved fin radiator with space for cleaning
- Two-speed travel
- Two (2) micron fuel filters
- Electric priming pump

HYDRAULIC SYSTEM

- Capability of installing additional valves and circuits
- Regeneration circuits for boom and stick
- Reverse swing damping valve
- Automatic swing parking brake

CAB

- Retractable seat belt (51 mm [2 in]; 76 mm [3 in] width)
- 70/30 split front windshield
- Laminated upper front windshield and tempered other windows
- Sliding upper door window
- Bi-level air conditioner (automatic) with defroster (pressurized cab)
- Color LCD display with warning, filter/fluid change, and working hour information
- Neutral lever (lock out) for all controls
- Travel control pedals with removable hand levers
- Radio mounting (DIN size)
- 12V – 2× maximum 10A power supply
- Two stereo speakers
- Beverage holder
- Coat hook, ashtray, literature holder
- Openable roof hatch
- Washable floor mat

UNDERCARRIAGE

- Idler and center section track guiding guards
- Towing eye on base frame
- Grease lubricated track GLT2, resin seal

ELECTRICAL

- Circuit breaker
- Light, boom mounted, left and right
- Light, storage box mounted

SAFETY AND SECURITY

- Cat one key security system
- Door and compartment locks
- Signaling/warning horn
- Rearview mirrors
- Emergency engine shutoff switch
- Emergency exit rear window
- Capability to connect a beacon

COUNTERWEIGHT

- 6.0 mt (6.6 t) counterweight

Optional Equipment

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

FRONT PARTS

- Heavy duty Reach boom
  - R3.9DB stick
  - R3.2DB stick
  - R2.8DB stick
- Mass Excavation boom
  - M2.55TB stick
  - M2.15TB stick
- Bucket linkage
  - DB Bucket linkage (with/without lifting eye)
  - TB Bucket linkage (with/without lifting eye)

UNDERCARRIAGE

- Heavy duty bottom guard
- Standard/HD Swivel guard
- HD Travel motor guard
- Full length track guiding guards
- FOGS (bolt-on)
- 600 mm, 700 mm, 800 mm (24 in) Triple Grouser tracks

HYDRAULICS

- Boom and Stick High pressure lines
- Boom and Stick Medium pressure lines
- Boom, Stick and Bucket Quick coupler lines
- Boom/Stick lowering control device
- Quick coupler circuit
- Fine swing control
- Bio-oil capability

CAB

- Roll Over Protective Structure (ROPS) cab
- Mechanical suspension seat, with head rest
- Air suspension seat, with head rest and seat heater
- 12V-10A power supply with two (2) cigar lighter type sockets
- Rain protector for front windshield
- AM/FM radio
- Control pattern quick-changer
- Third pedal for straight travel

OTHER OPTIONAL EQUIPMENT

- Travel alarm
- Starting kit, cold weather
- Electric refueling pump with auto shut off

INTEGRATED TECHNOLOGIES

- Rearview camera
- AccuGrade™ ready attachment
- Cat Product Link™

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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Materials and specifications are subject to change without notice. Featured machines in photos may include additional equipment. See your Cat dealer for available options.