

340D L Series 2

Hydraulic Excavator



Engine

Engine Model	Cat® C9 with ACERT™ Technology	
Engine Power (ISO 14396)	209 kW	281 hp
Net Power (SAE J1349/ISO 9249)	200 kW	270 hp

Weights

Operating Weight – Long Undercarriage	38 080 kg	83,952 lb
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Performance by Design

The 340D L Series 2 is powerful, reliable, durable with great productivity and versatility making it an ideal machine whatever your application need.

Hard on the dirt with low operating costs makes this powerful and efficient machine the preferred model of choice.

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The 340D L Series 2 delivers excellent productivity with low owning and operating costs and can be used in a wide range of applications making this machine extremely versatile. The 340D L Series 2 features excellent reliability and durability even when working in the toughest jobs. Improved visibility combined with world class comfort levels ensures reduced fatigue and optimized performance levels.

At the heart of the machines performance is a powerful Cat C9 engine, which boasts 200 kW (270 hp) combined with a smooth, precise, hydraulic system. This highly efficient design minimizes losses and permits fast hydraulic cycle times.

Key Features

A world class design combining excellent performance with low fuel consumption and top reliability.



Structures

340D L Series 2 structural components and undercarriage are the backbone of the machine's durability.

Undercarriage

With a heavy-duty high wide undercarriage, the machine can take full advantage of its fast implements. This wider and heavier undercarriage also improves lifting performance over the front and side of the machine.

Performance

High level of sustained production, improved performance, reliability and durability increase your productivity and lower your operating costs.

Engine and Hydraulics

A powerful Cat C9 engine that meets U.S. EPA Tier 2, EU Stage II regulations, and China Tier 2 emission regulations combined with the highly efficient hydraulic system deliver excellent performance with low fuel consumption.

Maximum Versatility

A variety of work tools, including buckets, hammers, rippers are available for applications such as demolition, site clean-up, scrap processing, breaking up road surfaces and bedrock through Cat Work Tools.

Operation 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. Overall, the new cab provides you with a comfortable working environment for maximum production and efficiency.



Engine

Built for power, reliability and economy.

Driving Unprecedented Performance with Lower Fuel Consumption

Emission Standards

The Cat C9 engine has been designed to meet U.S. EPA Tier 2, EU Stage II and China Tier 2 emission standards. The engine incorporates proven robust components and precision manufacturing you can count on for reliable and efficient operation.

Filtration System

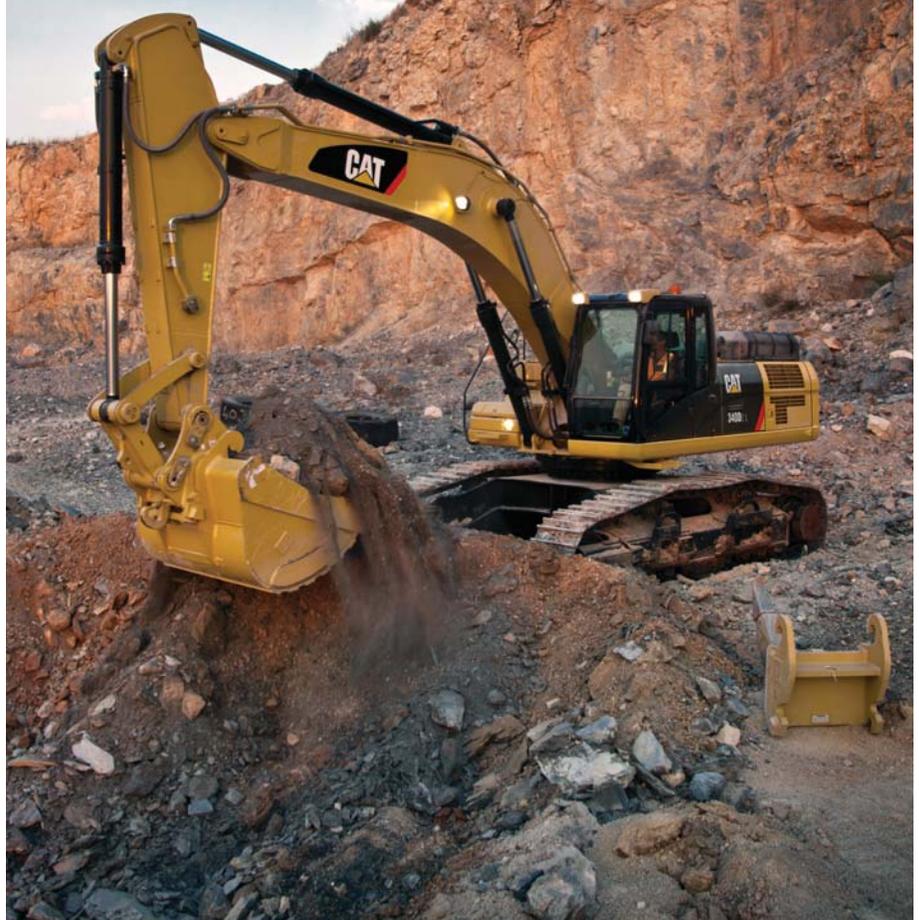
The C9 engine features an improved filtration system to ensure reliability even with less-than-quality fuel. Service intervals have been extended and the number of filters reduced to maximize your profit potential.

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 engine is built to run quietly with limited vibration, which contributes to improving your operator comfort.



Operator Station

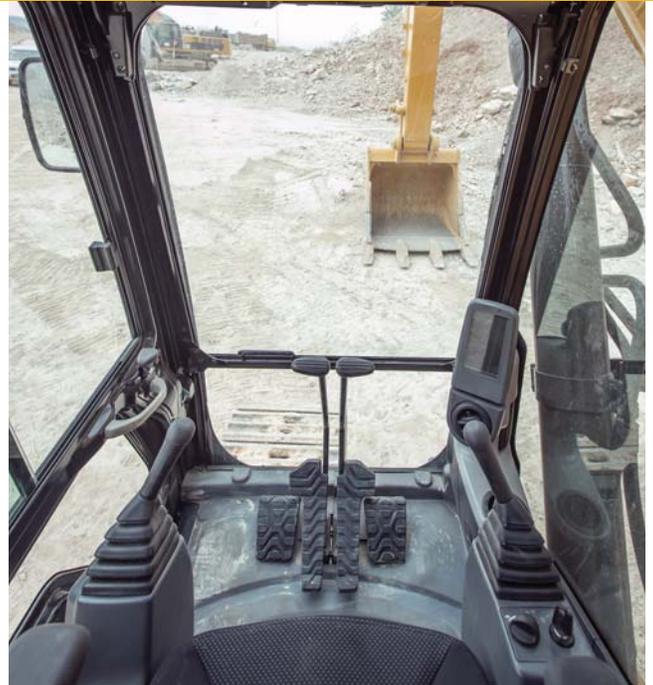
Ergonomically designed to keep you comfortable and productive all day long.

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.

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 operator's viewing area and offer continuous and intermittent modes.



Monitor

The monitor is a full-color Liquid Crystal Display (LCD) that can be adjusted to minimize glare, and it has the capability of displaying information in 28 languages to meet the needs of today's diverse work force.

Seat

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

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.



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 operators' comfort. Thick steel tubing along the bottom perimeter improves the cab's resistance to fatigue and vibration.

Hydraulics

Cat hydraulics deliver power and precise control to keep material moving.



Hydraulic System

Hydraulic system pressure from the two hydraulic pump system delivers terrific digging performance and productivity.

Pilot System

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

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.

Hydraulic Activation Control Lever

With the hydraulic activation lever in the neutral position, all front linkage, swing, and travel functions are isolated.

Component Layout

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.

Hydraulic Cross-Sensing System

The hydraulic cross-sensing system utilizes each of two hydraulic pumps to 100 percent of engine power under all operating conditions. This improves productivity with faster implement speeds and quicker, stronger pivot turns.

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.



Structures

HDHW structural components and undercarriage are the backbone of the machine's durability.

Robotic Welding

Up to 95% of the structural welds on a Cat Excavator are completed by robots. Robotic welds achieve over three times the penetration of manual welds.

Heavy-duty High Wide Carbody Design and Dedicated Track Roller Frames

X-shaped, box-section carbody provides excellent resistance to torsional bending. Robot-welded track roller frames are press-formed, pentagonal units to deliver exceptional strength and service life.

HDHW Undercarriage

The wide and durable Cat undercarriage absorbs stresses and provides excellent stability. Additionally, the high ground clearance is ideal in rocky environments, bringing the upper frame in a safer high position.

Rollers and Idlers

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

Long Undercarriage

The long undercarriage (L) maximizes stability and lift capacity. This long, wide and sturdy undercarriage offers a very stable work platform.

Tracks

The 340D L Series 2 track links are assembled and sealed with grease to decrease internal bushing wear, reduce travel noise and extend service life lowering operating costs.

Counterweights

The 6.3 mt (6.9 t) weight makes a better choice for heavy lifting with long undercarriage, counterweights are bolted directly to the main frame for extra rigidity.

Front Linkage

Designed for flexibility, high productivity, and efficiency in a variety of applications.

Heavy-Duty Front Linkage

The 6.5 m (21'4") heavy-duty (HD) reach boom is reinforced to be used in the severest applications for maximum digging capability. The 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.

The HD reach boom has two stick options available to meet all your application requirements:

- The 3.2 m (10'6") is a versatile option that will meet the needs for most construction applications.
- The 2.8 m (9'2") stick is best used with high-capacity buckets in trenching and excavation applications.

Mass Boom 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 2.55 m (8'4") stick is designed for large earth moving and is made of high-tensile-strength steel in a box section for enhanced strength and durability.



Work Tools

Dig, hammer, rip, and cut with confidence.



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 340D L Series 2.

Buckets

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

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)

These buckets are best suited to highly abrasive applications such as shot rock, sand stone, and granite.

B Series Hammer

B Series hydraulic hammers combine optimum power-to-weight ratio with simplicity and cost effectiveness for China's municipal, general construction, demolition and quarry applications.

The matching Caterpillar designed hydraulic kits are the best fit to Cat machines and hammers, and provide superior features and benefits for Caterpillar customers.

E Series Hammers

E Series hammers bring together customer expectations of performance, quality, and serviceability along with Caterpillar manufacturing and logistics experience.

E Series hammers are quiet, and noise suppression is valuable in urban and restricted work areas.

Pin-on Rippers, Rip and Load Package

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.

Service and Maintenance

Simplified service and maintenance features save you time and money.

Ground-Level Service

The design and layout of the 340D L Series 2 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 cleaner plugs, a warning is displayed on the monitor screen inside the cab.

Pump Compartment

A service door on the right side of the upper structure allows ground-level access to the pump, pilot filter, and water separator with primary fuel filter.

Radiator Compartment

The left rear service door allows easy access to the engine radiator, oil cooler, air-to-air-aftercooler, water separator, second and third fuel filters, and fuel cooler. A reserve tank and drain cock are attached to the radiator for simplified maintenance.

Greasing Points

A concentrated remote greasing block on the boom delivers grease to hard-to-reach locations on the front.



Fan Guard

The engine radiator fan is completely enclosed by fine wire mesh, reducing the risk of an accident.

Anti-Skid Plate

Anti-skid plate covers top of storage box and upper structure to prevent slipping during maintenance.

Diagnostics and Monitoring

The 340D L Series 2 is equipped with S·O·SSM sampling ports and hydraulic test ports for the hydraulic system, engine oil, and for coolant.



Product Support

You will find nearly all parts at our dealer parts counter. 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

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

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 and work with customers to develop a plan the best meets specific needs. These plans can cover the entire machine – including attachments – to help protect the customer's investment.

Replacement

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

340D L Series 2 Hydraulic Excavator Specifications

Engine

Engine Model	Cat C9 with ACERT Technology	
Type	Direct Injection with Turbocharger Aftercooler	
Engine Power (ISO 14396)	209 kW	281 hp
Net Power (SAE J1349/ISO 9249)	200 kW	270 hp
Displacement	8.8 L	537 in ³
Bore	112 mm	4.41 in
Stroke	149 mm	5.87 in
Rated Speed (engine)	1,800 rpm	
Rated Speed (machine)	1,700 rpm	
Hi-Idle Speed (machine)	1,700 rpm	
Low-Idle Speed (machine)	800 rpm	
Maximum Torque (torque peak) @ 1,400 rpm	1356 N·m	1,000 lbf-ft
Maximum Altitude (without derate)	2300 m	7,546 ft

- All engine horsepower (hp) are metric including front page.
- The C9 engine meets U.S. EPA Tier 2, EU Stage II regulations, and China Tier 2 emission regulations.
- Net power advertised is the power available at the flywheel when the engine is equipped with fan, air cleaner, muffler, and alternator.
- Full engine net power up to 2300 m (7,546 ft) altitude (engine derating required above 2300 m [7,546 ft]).

Weights

Operating Weight – Long Undercarriage		
Maximum Operating Weight*	38 080 kg	83,952 lb
*6.50 m (21'4") HD Reach Boom, R2.8DB (9'2") Stick, 600 mm (24") Double Grouser Track Shoes.		

Swing Mechanism

Swing Speed	8.98 rpm	
Swing Torque	108 661 N·m	80,142 lbf-ft

Drive

Maximum Travel Speed	4.85 km/h	3.01 mph
Maximum Drawbar Pull	300.5 kN	67,555 lbf

Service Refill Capacities

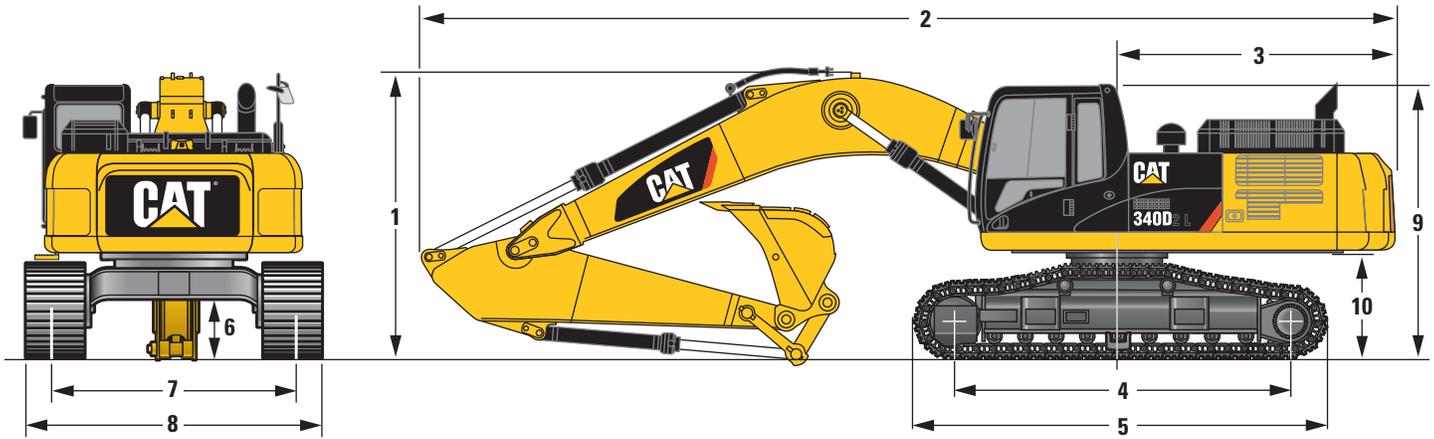
Fuel Tank Capacity	620 L	163.79 gal
Cooling System	40 L	10.57 gal
Engine Oil	40 L	10.57 gal
Swing Drive	19 L	5.02 gal
Final Drive (each)	8 L	2.11 gal
Hydraulic System (including tank)	410 L	108.31 gal
Hydraulic Tank	175 L	46.2 gal

Hydraulic System

Main System – Maximum Flow (each)	265 L/min	70 gal
Swing System – Maximum Flow	265 L/min	70 gal
Maximum Pressure – Equipment	35 MPa	5,076 psi
Maximum Pressure – Travel	35 MPa	5,076 psi
Maximum Pressure – Swing	28 MPa	4,061 psi
Pilot System – Maximum Flow	40 L/min	11.4 gal/min
Pilot System – Maximum Pressure	4000 kPa	565.7 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
DB Bucket Cylinder – Bore	150 mm	5.9 in
DB Bucket Cylinder – Stroke	1151 mm	45.3 in
TB Bucket Cylinder – Bore	160 mm	6.3 in
TB Bucket Cylinder – Stroke	1356 mm	53.4 in

Dimensions

All dimensions are approximate.



Stick Type	Reach Boom 6.50 m (21'4")		Mass Boom 6.18 m (20'3")
	R3.2DB (10'6")	R2.8DB (9'2")	M2.55TB (8'4")
1 Shipping Height*	3590 mm (11'9")	3690 mm (12'1")	3700 mm (12'2")
2 Shipping Length	11 150 mm (36'7")	11 200 mm (36'9")	10 860 mm (35'8")
3 Tail Swing Radius	3500 mm (11'6")	3500 mm (11'6")	3500 mm (11'6")
4 Length to Center of Rollers			
Long Undercarriage	4040 mm (13'3")	4040 mm (13'3")	4040 mm (13'3")
5 Track Length			
Long Undercarriage	5066 mm (16'7")	5066 mm (16'7")	5066 mm (16'7")
6 Ground Clearance**	743 mm (2'5")	743 mm (2'5")	743 mm (2'5")
7 Track Gauge			
Long Undercarriage	2920 mm (9'7")	2920 mm (9'7")	2920 mm (9'7")
8 Transport Width			
Long Undercarriage			
600 mm (24") Shoes	3520 mm (11'7")	3520 mm (11'7")	3520 mm (11'7")
700 mm (28") Shoes	3290 mm (10'10")	3290 mm (10'10")	3290 mm (10'10")
9 Cab Height*	3420 mm (11'3")	3420 mm (11'3")	3420 mm (11'3")
10 Counterweight Clearance**	1500 mm (4'11")	1500 mm (4'11")	1500 mm (4'11")

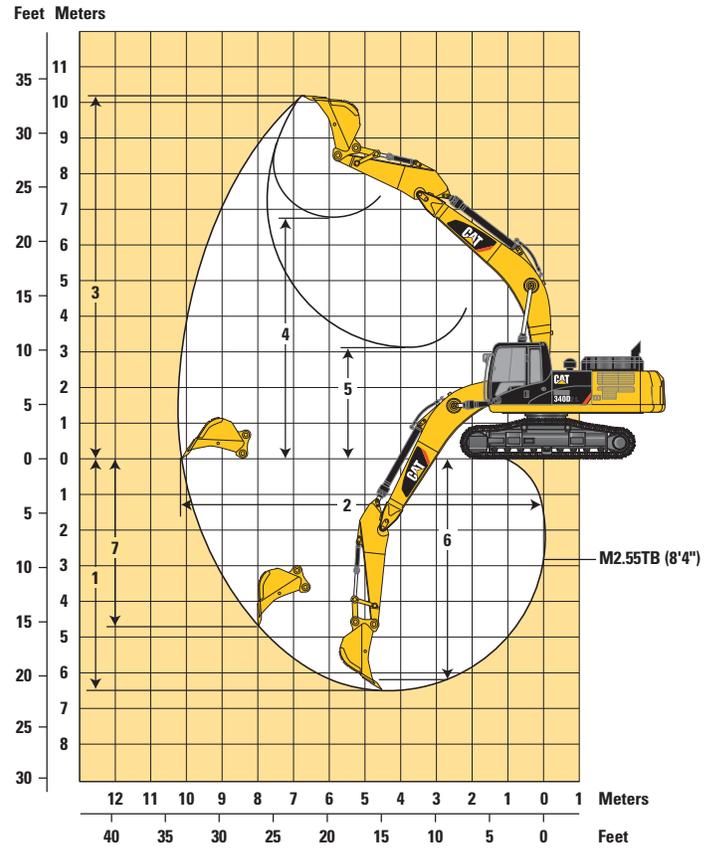
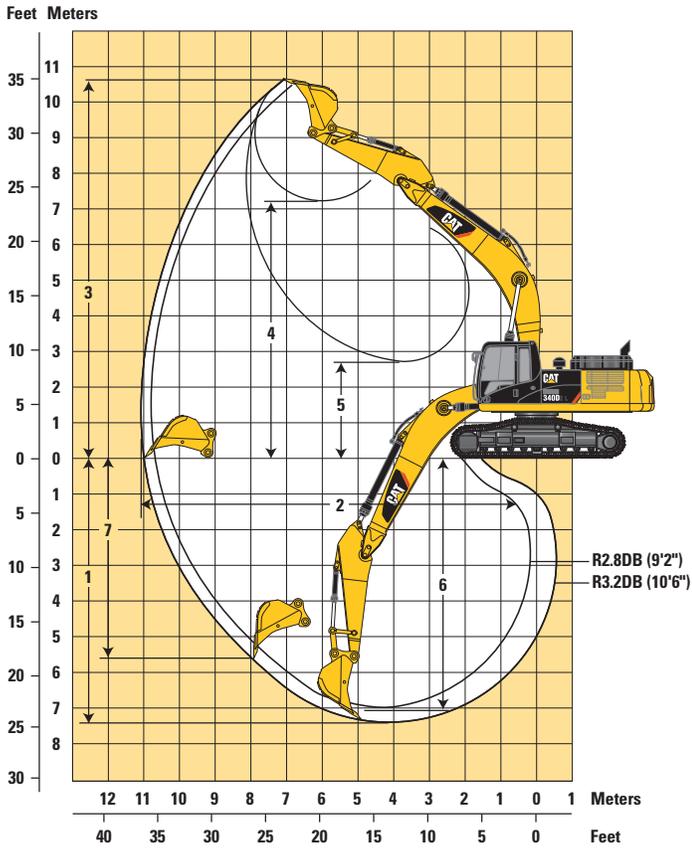
*Including shoe lug height.

**Without shoe lug height.

340D L Series 2 Hydraulic Excavator Specifications

Working Ranges

All dimensions are approximate.



Stick Type	Reach Boom 6.50 m (21'4")		Mass Boom 6.18 m (20'3")
	R3.2DB (10'6")	R2.8DB (9'2")	M2.55TB (8'4")
1 Maximum Digging Depth	7322 mm (24'0")	6922 mm (22'9")	6434 mm (21'1")
2 Maximum Reach at Ground Level	11 084 mm (36'4")	10 780 mm (35'4")	10 267 mm (33'8")
3 Maximum Cutting Height	10 550 mm (34'7")	10 620 mm (34'10")	10 260 mm (33'8")
4 Maximum Loading Height	7277 mm (23'11")	7274 mm (23'10")	6833 mm (22'5")
5 Minimum Loading Height	2771 mm (9'1")	3177 mm (10'5")	3140 mm (10'4")
6 Maximum Depth Cut for 2500 mm (8'2") Level Bottom	7035 mm (23'1")	6645 mm (21'10")	6255 mm (20'6")
7 Maximum Vertical Wall Digging Depth	5712 mm (18'9")	5650 mm (18'6")	4820 mm (15'10")

Operating Weight and Ground Pressure

600 mm (24") Double Grouser Shoes		
Long Undercarriage – Counterweight 6.3 mt (6.9 t)		
HD Reach Boom – 6.50 m (21'4")		
R3.2DB (10'6")	38 230 kg (84,283 lb)	71.0 kPa (10.3 psi)
R2.8DB (9'2")	38 080 kg (83,952 lb)	71.0 kPa (10.3 psi)
Mass Boom – 6.18 m (20'3")		
M2.55TB (8'4")	38 585 kg (85,065 lb)	71.0 kPa (10.3 psi)

Major Component Weights

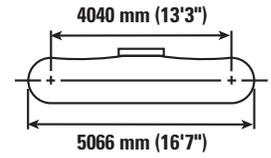
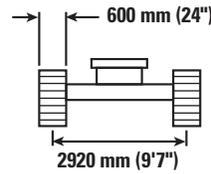
Base Machine (without counterweight)	8710 kg (19,202 lb)
Counterweight – 6.3 mt (6.9 t)	6260 kg (13,801 lb)
Boom (without stick cylinder)	
Reach Boom – 6.50 m (21'4")	3020 kg (6,658 lb)
Mass Boom – 6.18 m (20'3")	2800 kg (6,173 lb)
Stick (without bucket cylinder)	
R3.2DB (10'6")	1260 kg (2,778 lb)
R2.8DB (9'2")	1190 kg (2,623 lb)
M2.55TB (8'4")	1310 kg (2,888 lb)
Undercarriage	
600 mm (24") double grouser	14 790 kg (31,606 lb)
DB/TB Linkage without Quick Coupler	
Heavy Duty (HD)	
DB Linkage – 2.12 m ³ (2.77 yd ³)/1700 mm (67")	1647 kg (3,630 lb)
TB Linkage – 2.41 m ³ (3.16 yd ³)/1650 mm (66")	2259 kg (4,979 lb)
TB Linkage – 2.69 m ³ (3.52 yd ³)/1800 mm (72")	2367 kg (5,217 lb)
Severe Duty (SD)	
DB Linkage – 1.88 m ³ (2.46 yd ³)/1550 mm (62")	1787 kg (3,939 lb)
TB Linkage – 2.14 m ³ (2.80 yd ³)/1550 mm (61")	2170 kg (4,783 lb)
TB Linkage – 2.41 m ³ (3.16 yd ³)/1650 mm (66")	2409 kg (5,309 lb)

Bucket and Stick Forces

Stick Type	Reach Boom 6.50 m (21'4")		Mass Boom 6.18 m (20'3")
	R3.2DB (10'6")	R2.8DB (9'2")	M2.55TB (8'4")
Heavy Duty Bucket			
Bucket Digging Force (ISO)	211 kN (47,460 lbf)	211 kN (47,460 lbf)	265 kN (59,570 lbf)
Stick Digging Force (ISO)	167 kN (37,520 lbf)	186 kN (41,760 lbf)	191 kN (42,880 lbf)
Bucket Digging Force (SAE)	185 kN (41,440 lbf)	185 kN (41,440 lbf)	229 kN (51,410 lbf)
Stick Digging Force (SAE)	162 kN (36,360 lbf)	179 kN (40,320 lbf)	183 kN (41,130 lbf)

340D L Series 2 Hydraulic Excavator Specifications

Reach Boom Lift Capacities – Long Undercarriage – Counterweight: 6.3 mt (6.9 t)



		1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		m		
9.0 m	kg													*7770	*7770	6.66
7.5 m	kg									*7750	*7750			*7150	*7150	7.92
6.0 m	kg									*7940	*7940			*6940	6110	8.74
4.5 m	kg					*12 670	*12 670	*9960	*9960	*8590	7770	*7890	5720	*6980	5450	9.24
3.0 m	kg					*15 930	*15 930	*11 530	10 460	*9410	7450	7900	5580	7240	5110	9.48
1.5 m	kg					*18 070	15 210	*12 830	9930	*10 150	7160	7740	5430	7140	5010	9.48
0 m	kg					*18 650	14 820	*13 540	9600	10 020	6950	7640	5340	7360	5140	9.23
-1.5 m	kg			*13 370	*13 370	*18 130	14 770	*13 510	9470	9930	6870			7980	5570	8.72
-3.0 m	kg			*18 860	*18 860	*16 630	14 930	*12 610	9540	*9620	6940			*8810	6490	7.90
-4.5 m	kg			*18 230	*18 230	*13 730	*13 730	*10 240	9830					*8690	8560	6.63



ISO 10567

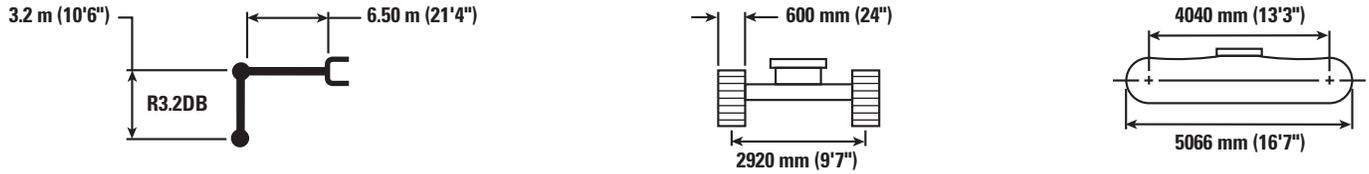


*Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories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

Reach Boom Lift Capacities – Long Undercarriage – Counterweight: 6.3 mt (6.9 t)



		1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		m		
9.0 m	kg													*6080	*6080	7.07
7.5 m	kg									*7190	*7190			*5670	*5670	8.27
6.0 m	kg									*7490	*7490	*5950	5870	*5550	*5550	9.05
4.5 m	kg							*9400	*9400	*8190	7840	*7530	5770	*5630	5190	9.54
3.0 m	kg					*15 030	*15 030	*11 030	10 570	*9070	7500	7920	5600	*5870	4860	9.78
1.5 m	kg					*17 520	15 370	*12 470	9990	*9890	7180	7740	5430	*6320	4760	9.77
0 m	kg			*8280	*8280	*18 520	14 830	*13 350	9600	10 010	6940	7610	5310	6980	4870	9.54
-1.5 m	kg	*9640	*9640	*13 790	*13 790	*18 340	14 690	*13 530	9430	9880	6820	7570	5270	7520	5230	9.04
-3.0 m	kg	*15 110	*15 110	*19 190	*19 190	*17 150	14 790	*12 890	9440	9900	6840			*8620	6020	8.25
-4.5 m	kg			*20 020	*20 020	*14 680	*14 680	*11 040	9660					*8750	7710	7.04



ISO 10567



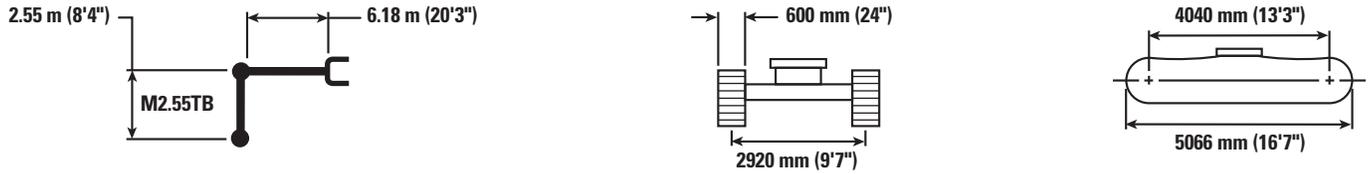
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Lift capacity stays with $\pm 5\%$ for all available track shoes.

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

340D L Series 2 Hydraulic Excavator Specifications

Mass Boom Lift Capacities – Long Undercarriage – Counterweight: 6.3 mt (6.9 t)



Reach (m)	Unit	1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		m		
		Diagram 1	Diagram 2													
7.5 m	kg													*6570	*6570	7.26
6.0 m	kg							*8960	*8960	*8360	7860			*6350	*6350	8.15
4.5 m	kg			*19 420	*19 420	*12 760	*12 760	*10 180	*10 180	*8870	7640			*6410	5930	8.69
3.0 m	kg					*15 880	*15 880	*11 650	10 350	*9590	7340			*6700	5510	8.95
1.5 m	kg					*18 000	15 140	*12 890	9830	10 140	7060			*7270	5390	8.94
0 m	kg			*9850	*9850	*18 560	14 740	*13 510	9510	9940	6870			7990	5560	8.68
-1.5 m	kg			*17 690	*17 700	*17 890	14 690	*12 320	9400	9880	6820			8790	6100	8.13
-3.0 m	kg			*19 640	*19 640	*16 030	14 900	*12 070	9510					*9300	7310	7.24
-4.5 m	kg			*16 290	*16 290	*12 310	*12 310							*8950	*8950	5.83



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.

Work Tool Offering Guide*

Boom Type	Reach HD Boom		Mass Boom
Stick Size	R3.2DB HD (10'6")	R2.8DB HD (9'2")	M2.55TB (8'4")
Hydraulic Hammer	H140Es H160Es H180Es**		H140Es H160Es H180Es**
B Series Hammer (for China only)		B35	B35
Ripper		**	**

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

**Pin-on only.

Bucket Specifications and Compatibility – GCN1 Region

	Linkage	Width		Capacity		Weight		Fill	Boom		
		mm	in	m ³	yd ³	kg	lb		%	600 mm (24") Double Grouser	600 mm (24") Double Grouser
DB/TB Linkage without Quick Coupler											
Heavy Duty (HD)	DB	1700	67	2.12	2.77	1647	3,630	100%	●		
	TB	1650	66	2.41	3.16	2259	4,979	100%		●	
	TB	1750	70	2.60	3.40	2240	4,936	100%		⊙	
	TB	1800	72	2.69	3.52	2367	5,217	100%		⊙	
Severe Duty (SD)	DB	1550	62	1.88	2.46	1787	3,939	90%	●		
Maximum load pin-on (payload + bucket)								kg	6195	7170	
								lb	13,654	15,803	

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)
- ⊙ 1800 kg/m³ (3,000 lb/yd³)

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.

340D L Series 2 Hydraulic Excavator Specifications

Bucket Specifications and Compatibility – AME/CIS Regions

	Linkage	Width		Capacity		Weight		Fill	Boom	Boom	
		mm	in	m ³	yd ³	kg	lb		%	6.50 m (21'4")	6.18 m (20'3")
										Stick	Stick
										R3.2DB (10'6")	M2.55TB (8'4")
										Shoes	Shoes
								600 mm (24") Double Grouser	600 mm (24") Double Grouser		
DB/TB Linkage without Quick Coupler											
Heavy Duty (HD)	DB	1500	60	1.88	2.46	1600	3,526	100%	●		
	DB	1650	66	2.14	2.80	1730	3,814	100%	◎		
	DB	1700	67	2.12	2.77	1647	3,630	100%	●		
	DB	1800	72	2.36	3.08	1851	4,080	100%	◎		
	TB	1650	66	2.41	3.16	2259	4,979	100%		●	
	TB	1750	70	2.60	3.40	2240	4,936	100%		◎	
	TB	1800	72	2.69	3.52	2367	5,217	100%		◎	
Severe Duty (SD)	DB	1550	62	1.88	2.46	1787	3,939	90%	●		
	DB	1650	66	2.12	2.80	1827	4,028	90%	●		
	TB	1550	61	2.14	2.80	2170	4,783	90%		●	
	TB	1700	67	2.41	3.16	2409	5,309	90%		●	
	TB	1700	67	2.41	3.16	2385	5,257	90%		●	
Maximum load pin-on (payload + bucket)								kg	5890	7170	
								lb	12,982	15,803	

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)
- ◎ 1800 kg/m³ (3,000 lb/yd³)

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340D L Series 2 Standard and Optional Equipment

Standard Equipment

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

ENGINE

- Diesel engine Cat C9
- 2300 m (7,546 ft) altitude capability with no deration
- 80 amp alternator
- Air intake heater
- Tier 2 emission package
- High power version with Power Management Mode
- Waved fin radiator with enough space for cleaning operation
- Radial seal air filter
- Automatic engine speed control
- Water separator in fuel line
- Two (2) micron fuel filters
- Two speed travel

CAB

- Joystick without tool control system
- OSF cab with FOGS boss and metal hatch
- Seat with head rest, mechanical suspension with seat belt
- Start switch panel
- Floor mat
- Bi-level air conditioner (auto) with defroster (pressurized function)
- Windshield washer
- Cab mirrors

ELECTRICAL

- Circuit breaker
- Adopt Cat data link with capability of using E.T.

HYDRAULIC

- Hydraulic main pump
- Regeneration circuit for boom and stick
- Capability of installing stackable valves for main valve (maximum three [3] valves)
- Capability of installing additional auxiliary pump and circuit
- Capability of installing boom lowering control device and stick lowering check valve
- Capability of installing Cat Bio hydraulic oil
- Boom lowering device for back up
- Boom drift reducing valve
- Stick drift reducing valve
- Reverse swing damping valve
- Automatic swing parking brake
- High performance hydraulic return filter
- Fine swing control

SECURITY

- Caterpillar one key security system
- Door locks and cap locks
- Signaling/warning horn
- Mirrors, rearview (frame – right, cab – left)
- Secondary engine shutoff switch
- Capability to electrically connect a beacon

LIGHTS

- Light, storage box mounted – one (1)

UNDERCARRIAGE

- Grease Lubricated Track GLT2, resin seal
- Idler and center section track guiding guards
- Towing eye on baseframe
- Track shoe
 - 600 mm (24") double grouser shoe for long
 - 700 mm (28") triple grouser shoe for long

LINKAGE

- Mass boom – 6.18 m (20'3")
- Heavy duty reach boom – 6.5 m (21'4")
- Stick for mass boom
 - M2.55TB 2.55 m (8'4")
- Heavy duty stick for reach boom
 - R2.8DB 2.8 m (9'2")
- Bucket linkage
 - DB-Family (without lifting eye)
 - TB-Family (without lifting eye)

GUARDS

- Full length track guiding guard (two pieces)

OTHER STANDARD EQUIPMENT

- Counterweight without lifting eyes
- Air prefilter

Optional Equipment

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

GUARDS

- Heavy duty bottom guard
- Swivel guard
- Travel motor guard
- Side rubber bumper
- FOGS (bolt-on)

LINES

- High pressure line
- Medium pressure line
- Cat Quick coupler line (high/medium pressure capable)

TOOL CONTROL

- Common 1/2P, common circuit
- Hammer 2P, one way circuit
- Common+Med. 1/2P, common circuit, medium pressure lines
- Common 1/2P, common circuit with direct return
- Quick coupler circuit

CAB

- 12V-10A power supply with two (2) cigar lighter type sockets
- Working lights
- Rain protector for front windshield

OTHER OPTIONAL EQUIPMENT

- Control pattern quick-changer
- Water level indicator for water separator
- Product Link™
- Boom lowering control device
- Stick lowering check valve
- Travel alarm
- Starting kit, cold weather
- Electric refueling pump with auto shut off
- Third pedal for straight travel
- Rearview camera and mirrors
- AccuGrade™ ready attachment

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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