

330D L 330D LN

Hydraulic Excavators



Cat® C9 Diesel Engine with ACERT™ Technology

Net Power (ISO 9249) at 1800 rpm	200 kW/270 hp
Operating Weight	35 300 to 37 500 kg
Maximum Travel Speed	5 km/h
Maximum Reach at Ground Level	11 830 mm
Maximum Digging Depth	8090 mm

Engine

Cat C9 with ACERT Technology

Net Power at 1800 rpm

ISO 9249	200 kW/270 hp
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80/1269/EEC	200 kW/270 hp
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Bore	112 mm
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Stroke	149 mm
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Displacement	8.8 liters
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- All engine horsepower (hp) are metric including front page.
- The C9 engine meets Stage IIIA emission requirements.
- 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 altitude (engine derating required above 2300 m).

Sound

Operator Sound

- The operator sound level measured according to the procedures specified in ISO 6394:1998 is 78 dB(A), for cab offered by Caterpillar, when properly installed and maintained and tested with the doors and windows closed.
- Hearing protection may be needed when operating with an open operator station and cab (when not properly maintained or doors/windows open) for extended periods or in noisy environment.

Exterior Sound

- The labeled spectator sound power level measured according to the test procedures and conditions specified in 2005/88/EC is 105 dB(A).

Cab/FOGS

Cab/FOGS meets ISO 10262.

Hydraulic System

Main System

Maximum flow	2 x 280 l/min
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Maximum pressure	
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Normal	350 bar
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Heavy lift	360 bar
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Travel	350 bar
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Swing	280 bar
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Pilot System

Maximum flow	43 l/min
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Maximum pressure	39 bar
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Boom Cylinder

Bore	150 mm
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Stroke	1440 mm
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Stick Cylinder

Bore	170 mm
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Stroke	1738 mm
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DB Family Bucket Cylinder

Bore	150 mm
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Stroke	1151 mm
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TB1 Family Bucket Cylinder

Bore	160 mm
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Stroke	1356 mm
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Machine and Major Component Weights

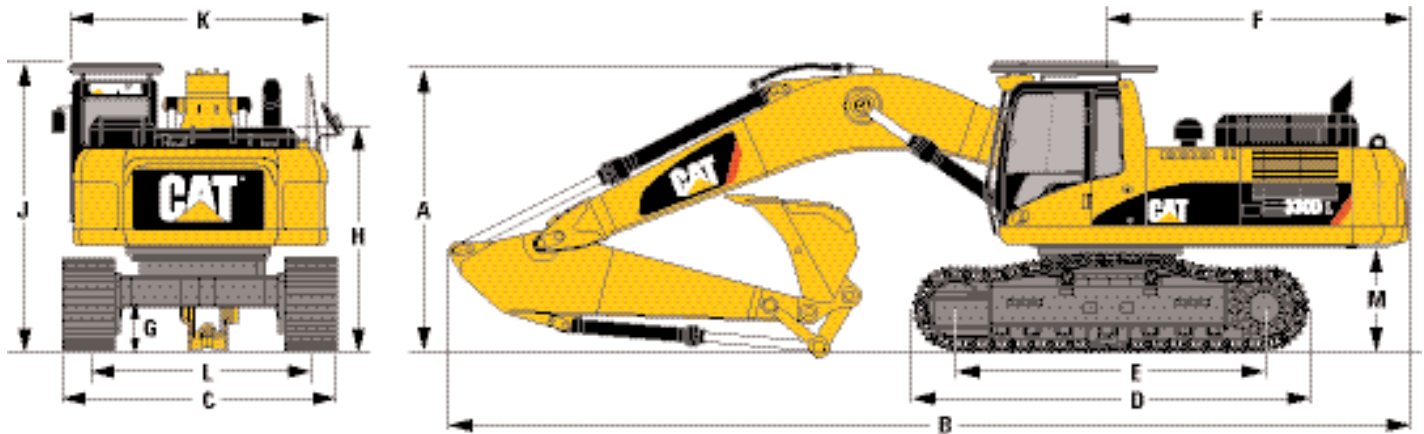
Actual weights and ground pressures will depend on final machine configuration.

		Reach boom 6500 mm				ME boom 6180 mm		VA boom 6520 mm			
		R2.1TB	R2.8DB	R3.2DB	R3.9DB	M2.1TB	M2.5TB	R2.1TB	R2.8DB	R3.2DB	R3.9DB
Stick type											
Stick length	mm	2150	2800	3200	3900	2150	2550	2150	2800	3200	3900
Bucket weight	kg	1627	1318	1318	1112	1772	1772	1772	1627	1627	1627
Bucket capacity	m ³	1.9	1.6	1.6	1.1	1.9	1.9	1.9	1.8	1.8	1.8
Bucket width/type	mm	1500/X	1350/X	1350/X	1000/X	1500/R	1500/R	1500/R	1500/X	1500/X	1500/X
Operating weight*											
330D L (700 mm shoes)	kg	36 310	35 740	35 820	35 760	36 480	36 550	37 460	36 890	36 960	37 110
330D LN (600 mm shoes)	kg	35 860	35 290	35 370	35 310	36 030	36 100	37 000	36 440	36 510	36 660
Ground pressure											
330D L (700 mm shoes)	bar	0.59	0.58	0.58	0.58	0.59	0.59	0.61	0.6	0.6	0.6
330D LN (600 mm shoes)	bar	0.68	0.67	0.67	0.67	0.68	0.68	0.7	0.69	0.69	0.7
Stick weight (without bucket cylinder)	kg	1140	1104	1184	1320	1140	1216	1140	1104	1184	1320
Boom weight (without stick cylinder)	kg	2780				2800		3950			
Upperstructure (without counterweight)	kg	8710				8710		8710			
Undercarriage											
330D L (700 mm shoes)	kg	13 215				13 215		13 215			
330D LN (600 mm shoes)	kg	12 765				12 765		12 765			
Counterweight	kg	6260				6260		6260			

* With counterweight, quick coupler, bucket, operator and full fuel.

Dimensions

All dimensions are approximate.



	mm		mm		mm
A Shipping height (with bucket)		B Shipping length		C Track width	
Reach boom		Reach boom		330D L (700 mm shoes)	3290
2150 mm stick	3560	2150 mm stick	11 450	330D LN (600 mm shoes)	2990
2800 mm stick	3540	2800 mm stick	11 210	D Track length	5020
3200 mm stick	3340	3200 mm stick	11 150	E Length to centers of rollers	4040
3900 mm stick	3670	3900 mm stick	11 200	F Tail swing radius	3500
Mass Excavation boom		Mass Excavation boom		G Ground clearance	450
2150 mm stick	3590	2150 mm stick	11 140	H Body height	2740
2550 mm stick	3560	2550 mm stick	10 900	J Cab height	3280
VA boom		VA boom		K Body width	2960
2150 mm stick	3550	2150 mm stick	11 500	L Track gauge	
2800 mm stick	3630	2800 mm stick	11 230	330D L	2590
3200 mm stick	3560	3200 mm stick	11 215	330D LN	2390
3900 mm stick	3750	3900 mm stick	11 200	M Counterweight clearance	1220

Track Width

Standard Undercarriage with triple grouser shoes	
Long (L)	700 mm
Long Narrow (LN)	600 mm
Optional Undercarriage with triple grouser shoes	
Long (L)	600 mm, 850 mm
	600 mm HD, 750 mm HD
Long Narrow (LN)	600 mm HD

Drive

Maximum Travel Speed	5.0 km/h
Maximum Drawbar Pull	300 kN

Swing Mechanism

Swing Speed	10 rpm
Swing Torque	108.6 kNm

Service Refill Capacities

	Liters
Fuel Tank	620
Cooling System	40
Engine Oil	40
Swing Drive (each)	19
Final Drive (each)	8
Hydraulic system (including tank)	410
Hydraulic tank	310