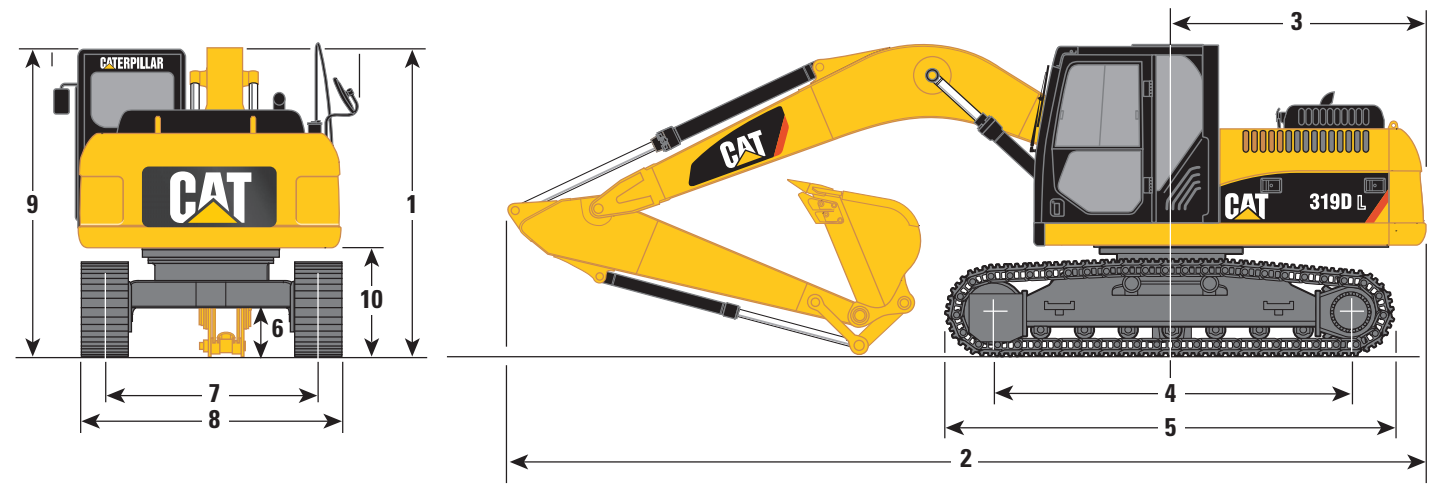


319D L Hydraulic Excavator

Dimensions

All dimensions are approximate.



Boom	
Reach Boom	
5300 mm	
Stick Type	
R2.7	
Stick length	2700 mm
1 Shipping height	3080 mm
2 Shipping length	8770 mm
3 Tail swing radius	2480 mm
4 Length to centers of idler and sprocket	3650 mm
5 Track length	4450 mm
6 Ground clearance	460 mm
7 Track gauge	2200 mm
8 Transport width (600 mm shoes)	2800 mm
9 Cab height	2870 mm
10 Counterweight clearance	1030 mm

319D L Hydraulic Excavator

Machine and Major Component Weights

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

		Reach boom 5300 mm
Stick type		R2.7
Stick length	mm	2700
Bucket weight	kg	956
Bucket capacity	m ³	1.0
Bucket width	mm	1067
Operating weight*		
319D L (600 mm shoes)	kg	20 000
Ground pressure		
319D L (600 mm shoes)	kPa	41.6
Stick weight ¹	kg	760
Boom weight ²	kg	1520
Upperstructure ³	kg	6070
Undercarriage		
319D L (600 mm shoes)	kg	7090
Counterweight	kg	3600

*with counterweight, auxiliary hydraulics, BLCV, SLCV, bucket, operator and full fuel

¹ with bucket cylinder + SLCV, QC lines, HP lines

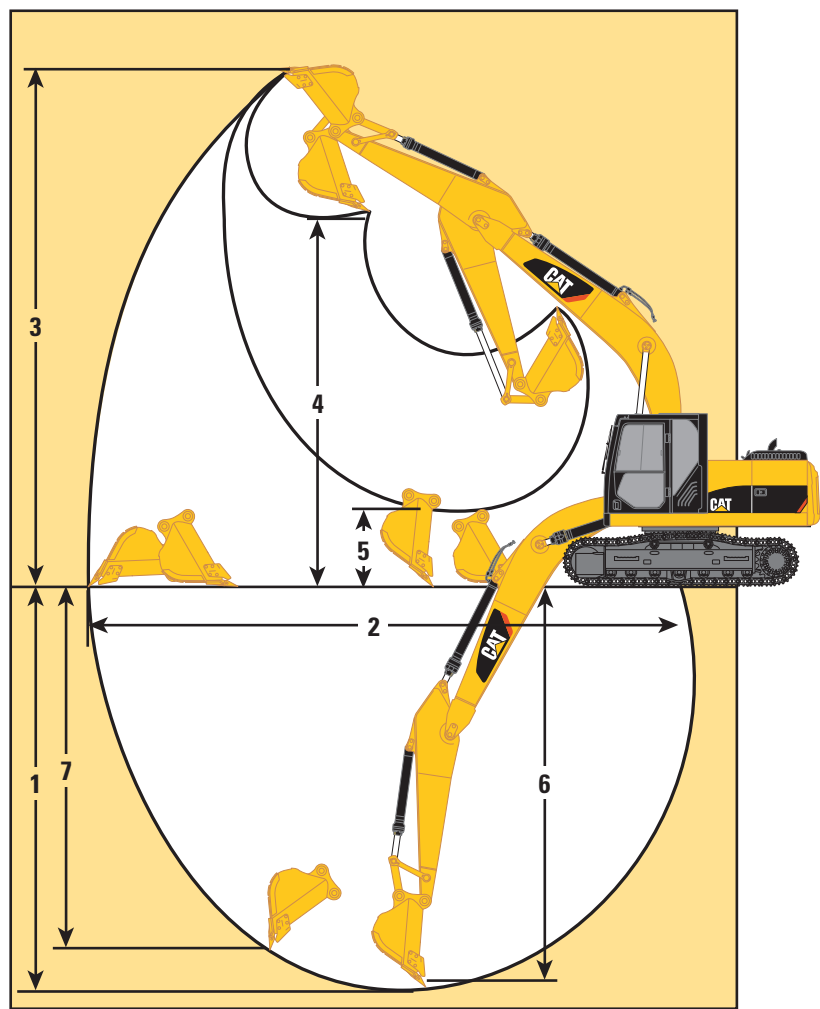
² with QC lines, HP lines

³ with BLCV, circuit combined

319D L Hydraulic Excavator

Reach Excavator Working Ranges

Reach (R) boom configuration. All measurements are approximate.



	Reach Boom
Stick Options	R2.7
Bucket – Long Fixed Undercarriage	0.84 m³
1 Maximum digging depth	6420 mm
2 Maximum reach at ground level	9300 mm
3 Maximum cutting height	9270 mm
4 Maximum loading height	6410 mm
5 Minimum loading height	2300 mm
6 Maximum depth cut for 2.50 m level bottom	6210 mm
7 Maximum vertical wall digging depth	5570 mm
Bucket digging force (ISO 6015)	108 kN
Stick digging force (ISO 6015)	98 kN

319D L Hydraulic Excavator

Work Tools Matching Guide

When choosing between various work tool models that can be installed onto the same machine configuration, consider work tool application, productivity requirements, and durability. Refer to work tool specifications for application recommendations and productivity information.

Without quick coupler		319D L	
		600 mm shoes	
		2700 mm	
Hammers		H115 S	
		H120C S	
Mechanical Pulverizers		P115	
		P120	X
Multiprocessors		MP15 CC	
		MP15 CR	
		MP15 PP	
		MP15 PS	
		MP15 S	
Crusher		VHC-30	
Pulverizer		VHP-30	
Mechanical Shears		S115	
		VWC-25	
360° Rotatable Shears		S320	
		S325*	
Compactor		CVP75	
Mechanical Grapples		G112	
		G115	X
Multi-Grapples		G315B-D	
		G315B-R	
Orange Peel Grapples	5 tines	GSH15-400	
	4 tines	GSH15-400	
	5 tines	GSH15-500	
	4 tines	GSH15-500	
	5 tines	GSH15-600	
	4 tines	GSH15-600	
	5 tines	GSH15-800	
	4 tines	GSH15-800	
With quick coupler			
Quick Coupler		B Linkage center-lock coupler	
Hammers		H115 S	
		H120C S	
Multiprocessors		MP15 CC, CR, PS	
		MP15 PP	X
		MP15 S	
Crusher		VHC-30	
Pulverizer		VHP-30	
Mechanical Shear		VWC-25	
360° Rotatable Shear		S320	X
Compactor		CVP75	
Mechanical Grapples		G112	
		G115	X
Multi-Grapples		G315B-D	
		G315B-R	

319D L Hydraulic Excavator

Lift Capacities with One-Piece Boom

Calculations are made without bucket.

 Load Point Height

 Load Radius Over Front

 Load Radius Over Side















 Load at Maximum Reach

Long stick – 2700 mm

Shoes – 600 mm

Standard counterweight – 3600 kg

Long undercarriage

		1.5 m		3.0 m		4.5 m		6.0 m		7.5 m				m
														
7.5 m	kg											*3900	*3900	5.20
6.0 m	kg							*4750	4200			*3500	*3500	6.52
4.5 m	kg					*5450	*5450	*5000	4150			*3400	3000	7.31
3.0 m	kg			*10 850	*10 850	*7000	6050	*5700	3950	*4550	2850	*3500	2700	7.73
1.5 m	kg					*8600	5650	*6450	3800	4750	2750	*3700	2550	7.84
Ground Line	kg			*5900	*5900	*9550	5400	6500	3650	4700	2700	*4150	2600	7.65
–1.5 m	kg	*5750	*5750	*10 200	9950	*9700	5300	6450	3600			5000	2850	7.15
–3.0 m	kg	*10 500	*10 500	*12 950	10 100	*9050	5350	6500	3600			6150	3450	6.25
–4.5 m	kg			*9950	*9950	*6800	5550					*6300	5200	4.72

*Limited by hydraulic 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.

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