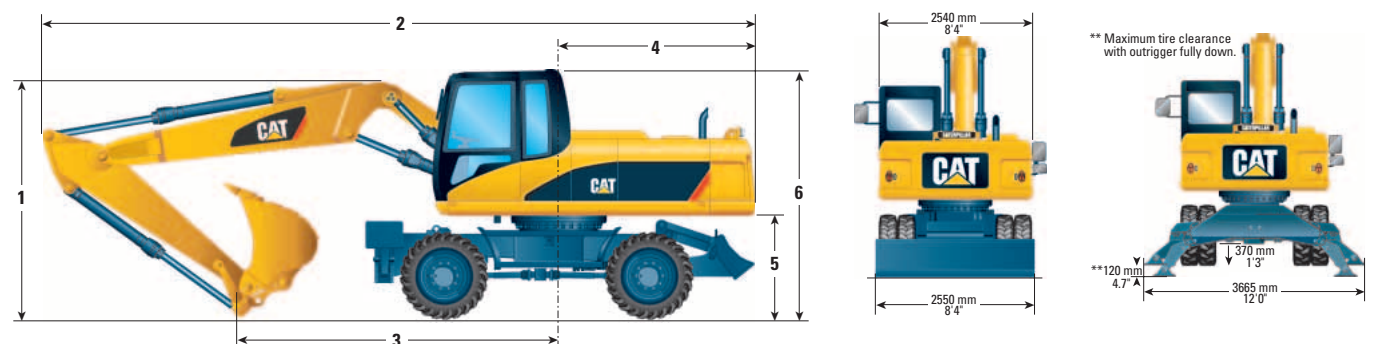


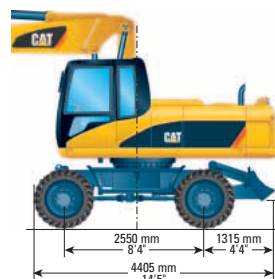
M315D Wheel Excavator

Dimensions

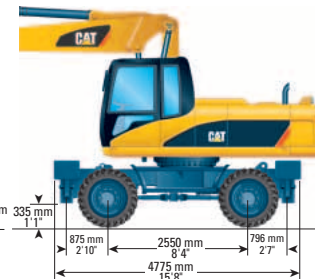
All dimensions are approximate.



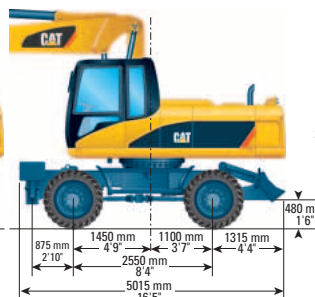
Undercarriage with dozer only



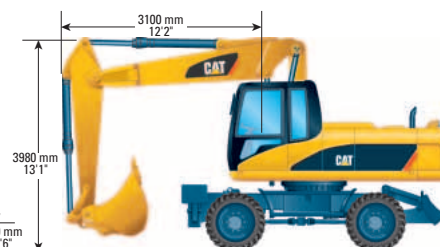
Undercarriage with 2 sets of outriggers



Undercarriage with 1 set of outriggers and dozer



Roading position with 2.4 m/7'10" stick



Stick Options

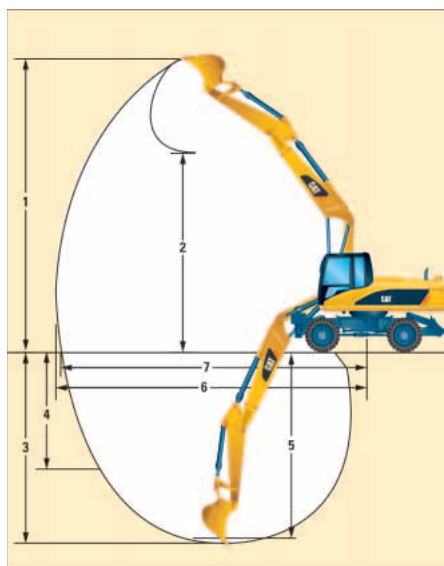
	2.1 m (6'11")		2.4 m (7'10")		2.6 m (8'6")		Industrial Stick 3.1 m (10'2")	
	mm	ft/in	mm	ft/in	mm	ft/in	mm	ft/in
1 Shipping Height								
VA Boom	3150	10'4"	3150	10'4"	3150	10'4"	3150	10'4"
One-piece Boom	3150	10'4"	3150	10'4"	3150	10'4"	3150	10'4"
Offset Boom	3150	10'4"	3150	10'4"				
2 Shipping Length								
VA Boom	8480	27'10"	8480	27'10"	8470	27'9"	8450	27'9"
One-piece Boom	8320	27'4"	8330	27'4"	8330	27'4"	8350	27'5"
Offset Boom	8480	27'10"	8470	27'9"				
3 Support Point								
VA Boom	3910	12'10"	3660	12'0"	3560	11'8"	3640	11'11"
One-piece Boom	3560	11'8"	3280	10'9"	3160	10'4"	3240	10'8"
Offset Boom	4030	13'3"	3780	12'5"				
4 Tail Swing Radius								
VA Boom	2215	7'3"	2215	7'3"	2215	7'3"	2215	7'3"
One-piece Boom	2215	7'3"	2215	7'3"	2215	7'3"	2215	7'3"
Offset Boom	2215	7'3"	2215	7'3"				
5 Counterweight Clearance								
VA Boom	1262	4'2"	1262	4'2"	1262	4'2"	1262	4'2"
One-piece Boom	1262	4'2"	1262	4'2"	1262	4'2"	1262	4'2"
Offset Boom	1262	4'2"	1262	4'2"				
6 Cab Height								
VA Boom	3150	10'4"	3150	10'4"	3150	10'4"	3150	10'4"
One-piece Boom	3150	10'4"	3150	10'4"	3150	10'4"	3150	10'4"
Offset Boom	3150	10'4"	3150	10'4"				

Note: All dimensions are approximate and cab height is without Falling Object Guards.

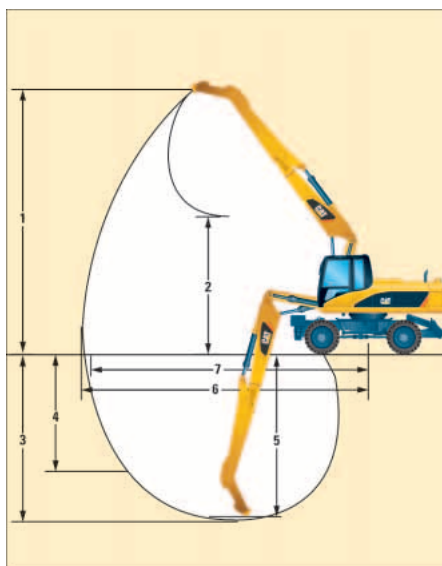
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VA Boom, One-piece and Offset Boom Working Ranges

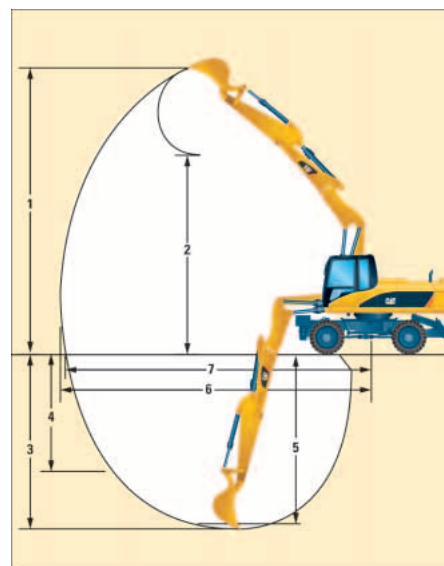
2.1 m (6'11"), 2.4 m (7'10"), 2.6 m (8'6"),
3.1 m (10'2") Sticks



2.1 m (6'11"), 2.4 m (7'10"), 2.6 m (8'6"),
3.1 m (10'2") Sticks



2.1 m (6'11"), 2.4 m (7'10") Sticks



VA Boom					One-piece Boom				Offset Boom	
Stick Length	2.1 m (6'11")	2.4 m (7'10")	2.6 m (8'6")	Industrial Stick* 3.1 m (10'2")	2.1 m (6'11")	2.4 m (7'10")	2.6 m (8'6")	Industrial Stick* 3.1 m (10'2")	2.1 m (6'11")	2.4 m (7'10")
1 Digging Height	10 040 mm (33'0")	10 230 mm (33'7")	10 380 mm (34'1")	8950 mm (29'5")	8980 mm (29'6")	9070 mm (29'9")	9190 mm (30'2")	7700 mm (25'3")	10 040 mm (33'0")	10 230 mm (33'7")
2 Dump Height	6950 mm (22'10")	7140 mm (23'5")	7300 mm (24'0")	3960 mm (12'0")	6000 mm (19'8")	6110 mm (20'1")	6230 mm (20'5")	3200 mm (10'6")	6950 mm (22'10")	7140 mm (23'5")
3 Digging Depth	5590 mm (18'4")	5890 mm (19'4")	6090 mm (20'0")	5040 mm (16'7")	5390 mm (17'8")	5690 mm (18'8")	5890 mm (19'4")	4840 mm (15'11")	5590 mm (18'4")	5890 mm (19'4")
4 Vertical Wall Digging Depth	3720 mm (12'3")	3920 mm (12'10")	4090 mm (13'5")	N/A	3510 mm (11'6")	3650 mm (12'0")	3820 mm (12'7")	N/A	3720 mm (12'3")	3920 mm (12'10")
5 Depth 2.5 m (8'2") Straight Clean-up	5370 mm (17'8")	5690 mm (18'8")	5900 mm (19'4")	N/A	5170 mm (17'0")	5490 mm (18'0")	5700 mm (18'9")	N/A	5370 mm (17'8")	5690 mm (18'8")
6 Reach	9100 mm (29'11")	9360 mm (30'9")	9560 mm (31'5")	8370 mm (27'6")	8900 mm (29'3")	9160 mm (30'1")	9350 mm (30'8")	8130 mm (26'8")	9100 mm (29'11")	9360 mm (30'9")
7 Reach at Ground Level	8910 mm (29'3")	9190 mm (30'2")	9380 mm (30'10")	8170 mm (26'10")	8710 mm (28'7")	8970 mm (29'5")	9170 mm (30'1")	7920 mm (25'0")	8910 mm (29'3")	9190 mm (30'2")
Bucket Forces (ISO 6015)	101 kN (22 705 lbf)	101 kN (22 705 lbf)	101 kN (22 705 lbf)	N/A	101 kN (22 705 lbf)	101 kN (22 705 lbf)	101 kN (22 705 lbf)	N/A	101 kN (22 705 lbf)	101 kN (22 705 lbf)
Stick Forces (ISO 6015)	81 kN (18 209 lbf)	74 kN (16 635 lbf)	71 kN (15 961 lbf)	N/A	81 kN (18 209 lbf)	74 kN (16 635 lbf)	71 kN (15 961 lbf)	N/A	81 kN (18 209 lbf)	74 kN (16 635 lbf)

* Industrial Stick has no bucket linkage. All dimensions refer to stick-nose.

Values 1-7 are calculated with bucket and quick coupler with a tip radius of 1552 mm (5'1").

Breakout force values are calculated with heavy lift on (no quick coupler) and a tip radius of 1405 mm (4'7").

M315D Wheel 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.

			Variable adjustable boom 5200 mm (17'1")									One-piece boom 5050 mm (16'7")								
			Dozer lowered			2 sets of stabilizer lowered			Dozer and stabilizer lowered			Dozer lowered			2 sets of stabilizer lowered			Dozer and stabilizer lowered		
			2100 6'10"	2400 7'10"	2600 8'6"	2100 6'10"	2400 7'10"	2600 8'6"	2100 6'10"	2400 7'10"	2600 8'6"	2100 6'10"	2400 7'10"	2600 8'6"	2100 6'10"	2400 7'10"	2600 8'6"	2100 6'10"	2400 7'10"	2600 8'6"
Without quick coupler			(mm) Stick length (ft/in)																	
Hammers	H100, H115 s																			
	H120C s				×			×			×			×			×			×
Multiprocessors	MP15	CC,CR,PS,S	×	×	×							×	×	×						
		PP	×	×	×			×			×	×	×	×			×			×
360° rotatable Shears (boom mounted)	S320																			
	S325		×	×	×							×	×	×						
Sorting & Demo Grapple		D																		
		R																		
	G315B	D, R	×	×	×							×	×	×						
Compactors	CVP75																			
Orange Peel Grapples (4 tines)	GSH15	400 L (0.5 yd³)	×	×	×								×	×						
		500 L (0.67 yd³)	×	×	×							×	×	×						
		600 L (0.75 yd³)	×	×	×							×	×	×						
		800 L (1.00 yd³)	×	×	×							×	×	×						

• Not all work tools are available in all areas.

360° Working Range

Over the front only

Maximum Material density 1800 kg/m³ (3,000 lb/yd³)

Maximum Material density 1200 kg/m³ (2,000 lb/yd³)

×

Not Compatible

M315D Wheel Excavator

Bucket Specifications

Contact your Caterpillar dealer for special bucket requirements.

Pin-on Buckets

Bucket Type	Width		Weight		Capacity (SAE)		No. of Teeth
	mm	in	kg	lb	m ³	yd ³	
General Purpose	610	24	384	847	0.34	0.45	3
	762	30	436	963	0.47	0.62	4
	914	36	489	1080	0.61	0.8	5
	991	39	569	1257	0.74	0.97	4
	1067	42	534	1179	0.78	1.02	5
	1219	48	586	1294	0.88	1.15	6
	1295	51	672	1484	1.03	1.35	5
	1397	55	704	1554	1.12	1.47	5
General Purpose Wide Tip	610	24	445	983	0.44	0.58	3
	762	30	506	1116	0.58	0.76	4
	914	36	577	1274	0.76	0.99	5
	1067	42	581	1282	0.92	1.2	6
	1219	48	704	1554	1.07	1.4	7
Heavy Duty Rock	610	24	464	1025	0.34	0.45	3
	762	30	539	1190	0.47	0.62	4
	914	36	614	1355	0.61	0.8	5
	1067	42	668	1474	0.78	1.02	5
	1219	48	743	1640	0.88	1.15	6
	1295	51	708	1563	1.03	1.35	5
Ditch Cleaning	1524	60	572	1263	0.96	1.25	0
	1676	66	606	1338	1.06	1.38	0
	2007	79	424	935	0.54	0.7	0
Ditch Cleaning Tilt	1524	60	634	1400	0.67	0.87	0
	1803	71	362	800	0.48	0.63	0
	2007	79	392	866	0.54	0.7	0

- All bucket recommendations are subject to material density.
- All data is subject to change without notice.
- Contact your Caterpillar dealer for bucket availability and specifications.