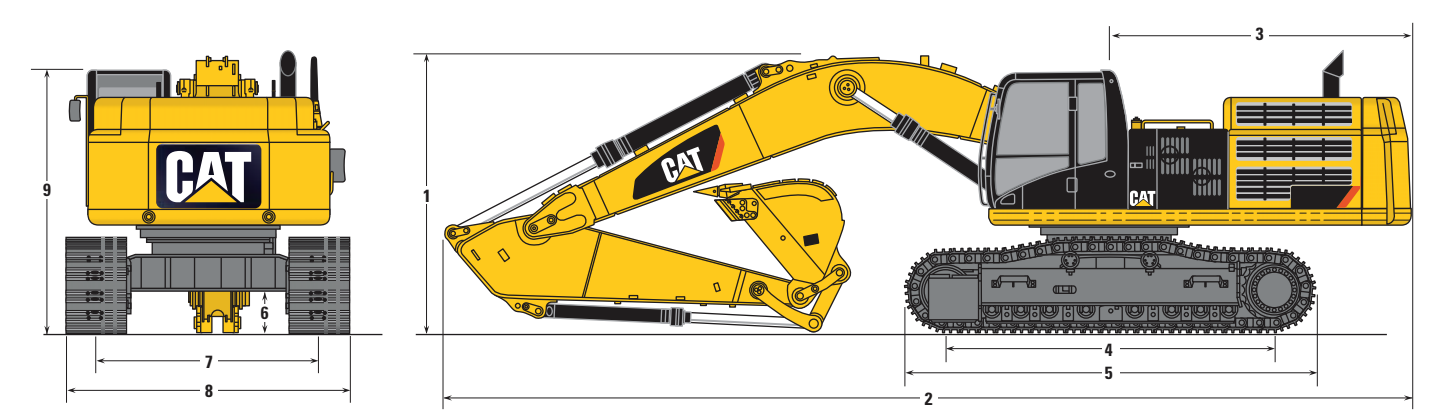


374D L Hydraulic Excavator

Dimensions

All dimensions are approximate and may vary depending on bucket selection.



Stick	Reach Boom 7.8 m				Mass Boom 7.0 m	
	R4.67 m	R4.15 m	R3.6 m	R2.84 m	M3.0 m	M2.57 m
1 Shipping Height	4950 mm	4620 mm	4480 mm	4250 mm	4700 mm	4610 mm
2 Shipping Length	13 230 mm	13 310 mm	13 320 mm	13 430 mm	12 630 mm	12 670 mm
3 Tail Swing Radius	4015 mm	4015 mm	4015 mm	4015 mm	4015 mm	4015 mm
4 Length to Center of Rollers	4705 mm	4705 mm	4705 mm	4705 mm	4705 mm	4705 mm
5 Track Length	5870 mm	5870 mm	5870 mm	5870 mm	5870 mm	5870 mm
6 Ground Clearance	840 mm	840 mm	840 mm	840 mm	840 mm	840 mm
7 Track Gauge (Shipping)*	2750 mm	2750 mm	2750 mm	2750 mm	2750 mm	2750 mm
8 Transport Width**	3500 mm	3500 mm	3500 mm	3500 mm	3500 mm	3500 mm
9 Cab Height	3540 mm	3540 mm	3540 mm	3540 mm	3540 mm	3540 mm

* Track gauge in extended (working) position: 3410 mm.

** Transport width shown for 750 mm.

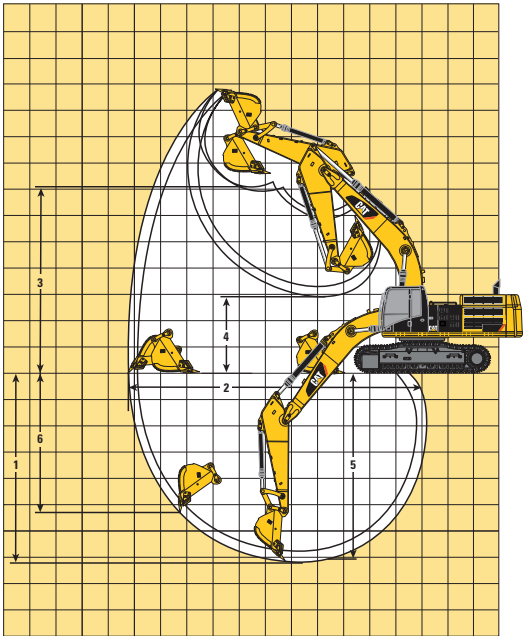
Add 150 mm for 900 mm shoes.

Subtract 100 mm for 650 mm shoes.

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Working Ranges

All dimensions are approximate and may vary depending on bucket selection.



	Reach Boom 7.8 m				Mass Boom 7.0 m	
Stick	R4.67 m	R4.15 m	R3.6 m	R2.84 m	M3.0 m	M2.57 m
Bucket	GD (3.8 m³)	GD (3.8 m³)	GD (3.8 m³)	GD (3.8 m³)	SD (4.6 m³)	SD (4.6 m³)
1 Maximum Digging Depth	9660 mm	9140 mm	8590 mm	7830 mm	7650 mm	7230 mm
2 Maximum Reach at Ground Line	14 230 mm	13 690 mm	13 170 mm	12 530 mm	11 850 mm	11 460 mm
3 Maximum Loading Height	8990 mm	8640 mm	8410 mm	8240 mm	7240 mm	7070 mm
4 Minimum Loading Height	2230 mm	2750 mm	3300 mm	4060 mm	3060 mm	3480 mm
5 Maximum Depth Cut for 2240 mm Level Bottom	9550 mm	9020 mm	8460 mm	7680 mm	7510 mm	7070 mm
6 Maximum Vertical Wall Digging Depth	8450 mm	7750 mm	7050 mm	6580 mm	4330 mm	3960 mm
Bucket Digging Force (SAE)*	297.5 kN	297.5 kN	296.9 kN	295.3 kN	342.1 kN	347.0 kN
Bucket Digging Force (ISO)*	339.4 kN	339.4 kN	338.6 kN	336.8 kN	384.0 kN	389.8 kN
Stick Digging Force (SAE)	227.1 kN	245.6 kN	269.4 kN	299.7 kN	296.5 kN	322.7 kN
Stick Digging Force (ISO)	234.0 kN	253.9 kN	279.3 kN	312.1 kN	305.0 kN	332.0 kN

*Bucket tip radius is 2251 mm.

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Operating Weight and Ground Pressure

	Track					
	900 mm Shoes		750 mm Shoes		650 mm Shoes	
	kg	bar	kg	bar	kg	bar
Reach Boom 7.8 m						
GP Bucket 3.8 m³						
R4.67 m	73 221	0.78	72 172	0.92	71 494	1.0
R4.15 m	73 010	0.78	71 961	0.92	71 283	1.0
R3.60 m	72 859	0.78	71 810	0.92	71 132	1.0
R2.84 m	72 686	0.78	71 637	0.91	70 959	1.0
Mass Boom 7.0 m						
HDR Bucket 4.6 m³						
M3.00 m	75 596	0.80	74 547	0.95	73 869	1.1
M2.57 m	75 422	0.80	74 373	0.95	73 695	1.1

Major Component Weights

	kg
Base machine with counterweight and 750 mm shoes (without front linkage)	57 700
Two boom cylinders	1400
Counterweight	
Removal type	10 200
Non-removal type	10 960
Boom (includes lines, pins, stick cylinder)	
Reach Boom 7.8 m	6730
Mass Boom 7.0 m	6900
Stick (includes lines, pins, bucket cylinder and linkage)	
R4.67 m	4000
R4.15 m	3790
R3.60 m	3670
R2.84 m	3470
M3.00 m	4070
M2.57 m	4240

374D L Hydraulic Excavator

Reach Boom Lift Capacities

Load Point Height

Load at Maximum Reach

Load Radius Over Front

Load Radius Over Side

Boom – 7.8 m

Coupler – N/A

Bucket – None

Stick – R4.67 m

Shoes – 900 mm double grouser (HD)

		1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		10.5 m		12.0 m				m
																				
10.5 m	kg											*11 750	*11 750					*10 800	*10 800	9.20
9.0 m	kg											*12 450	*12 450					*10 200	*10 200	10.33
7.5 m	kg											*12 750	*12 750	*12 250	11 900			*9900	*9900	11.14
6.0 m	kg											*13 450	*13 450	*12 500	11 700			*9850	9650	11.70
4.5 m	kg					*26 500	*26 500	*20 000	*20 000	*16 550	*16 550	*14 450	*14 450	*13 050	11 400	*10 400	9100	*10 000	9000	12.04
3.0 m	kg							*23 050	*23 050	*18 300	*18 300	*15 450	13 950	*13 600	11 050	*12 050	8900	*10 350	8650	12.20
1.5 m	kg							*25 350	24 100	*19 750	17 450	*16 350	13 400	*14 100	10 700	12 100	8750	*10 850	8550	12.16
Ground Line	kg					*17 300	*17 300	*26 500	23 200	*20 650	16 800	*16 950	13 000	*14 350	10 450			*11 700	8700	11.93
–1.5 m	kg			*12 500	*12 500	*22 700	*22 700	*26 400	22 750	*20 800	16 450	*17 000	12 750	*14 200	10 300			*12 450	9100	11.50
–3.0 m	kg	*15 350	*15 350	*19 700	*19 700	*30 800	*30 800	*25 250	22 650	*20 100	16 300	*16 350	12 650	*13 250	10 300			*12 450	9900	10.85
–4.5 m	kg			*28 450	*28 450	*29 000	*29 000	*22 850	*22 850	*18 300	16 450	*14 600	12 750					*12 250	11 300	9.92
–6.0 m	kg			*29 550	*29 550	*23 450	*23 450	*18 800	*18 800	*14 800	*14 800							*11 550	*11 550	8.63

Boom – 7.8 m

Coupler – N/A

Bucket – None

Stick – R4.15 m

Shoes – 900 mm double grouser (HD)

		1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		10.5 m				m
																		
10.5 m	kg															*12 450	*12 450	8.47
9.0 m	kg											*13 350	*13 350			*11 750	*11 750	9.68
7.5 m	kg											*13 550	*13 550	*11 800	11 750	*11 400	*11 400	10.55
6.0 m	kg									*15 800	*15 800	*14 200	*14 200	*13 150	11 600	*11 400	10 450	11.14
4.5 m	kg							*21 300	*21 300	*17 400	*17 400	*15 100	14 450	*13 600	11 350	*11 600	9750	11.50
3.0 m	kg							*24 200	*24 200	*19 050	18 150	*16 050	13 900	*14 100	11 050	*12 100	9350	11.66
1.5 m	kg							*26 150	23 900	*20 350	17 400	*16 850	13 400	*14 450	10 750	12 750	9250	11.62
Ground Line	kg					*16 850	*16 850	*26 850	23 200	*21 000	16 850	*17 250	13 050	*14 550	10 550	13 050	9400	11.38
–1.5 m	kg			*13 350	*13 350	*24 050	*24 050	*26 350	22 900	*20 850	16 550	*17 050	12 850	*14 100	10 450	*13 250	9900	10.93
–3.0 m	kg			*22 100	*22 100	*31 450	*31 450	*24 750	22 950	*19 850	16 500	*16 100	12 850			*13 200	10 850	10.24
–4.5 m	kg			*32 500	*32 500	*27 200	*27 200	*21 850	*21 850	*17 550	16 700	*13 650	13 050			*12 900	12 650	9.25
–6.0 m	kg					*20 850	*20 850	*17 000	*17 000	*13 000	*13 000					*11 850	*11 850	7.85

*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.

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

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

374D L Hydraulic Excavator

Reach Boom Lift Capacities

 Load Point Height

 Load at Maximum Reach

 Load Radius Over Front

 Load Radius Over Side

Boom – 7.8 m
Stick – R3.6 m

Coupler – N/A
Shoes – 900 mm double grouser (HD)

Bucket – None

		1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		10.5 m				m
																		
10.5 m	kg															*14 850	*14 850	7.75
9.0 m	kg											*14 350	*14 350			*13 900	*13 900	9.06
7.5 m	kg									*15 450	*15 450	*14 300	*14 300			*13 500	12 600	9.98
6.0 m	kg							*19 600	*19 600	*16 650	*16 650	*14 850	14 750	*13 800	11 450	*13 450	11 250	10.60
4.5 m	kg							*22 500	*22 500	*18 200	*18 200	*15 650	14 250	*14 050	11 250	*13 700	10 400	10.98
3.0 m	kg							*25 150	24 700	*19 700	17 950	*16 500	13 800	*14 450	10 950	*13 750	10 000	11.15
1.5 m	kg							*26 650	23 650	*20 750	17 250	*17 150	13 350	*14 650	10 700	13 650	9900	11.11
Ground Line	kg							*26 850	23 100	*21 150	16 800	*17 350	13 050	*14 550	10 550	*13 900	10 100	10.86
–1.5 m	kg					*24 650	*24 650	*25 900	23 000	*20 700	16 600	*16 900	12 900			*13 900	10 700	10.39
–3.0 m	kg			*24 250	*24 250	*29 550	*29 550	*23 850	23 100	*19 250	16 650	*15 500	13 000			*13 750	11 900	9.65
–4.5 m	kg			*29 150	*29 150	*24 750	*24 750	*20 350	*20 350	*16 350	*16 350					*13 200	*13 200	8.60
–6.0 m	kg							*14 450	*14 450							*11 400	*11 400	7.07

Boom – 7.8 m
Stick – R2.84 m

Coupler – N/A
Shoes – 900 mm double grouser (HD)

Bucket – None

		1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		10.5 m				m
																		
10.5 m	kg															*17 550	*17 550	6.81
9.0 m	kg									*16 300	*16 300					*16 050	*16 050	8.28
7.5 m	kg									*16 700	*16 700	*15 500	14 800			*15 400	14 050	9.27
6.0 m	kg					*28 400	*28 400	*21 300	*21 300	*17 800	*17 800	*15 800	14 550			*15 050	12 350	9.94
4.5 m	kg							*24 100	*24 100	*19 200	18 450	*16 450	14 100			*14 900	11 400	10.35
3.0 m	kg							*26 300	24 150	*20 450	17 650	*17 100	13 650	*14 900	10 950	*14 850	10 900	10.52
1.5 m	kg							*27 050	23 350	*21 200	17 100	*17 500	13 300			*14 850	10 800	10.48
Ground Line	kg							*26 500	23 100	*21 150	16 800	*17 350	13 100			*14 800	11 100	10.22
–1.5 m	kg					*23 400	*23 400	*24 900	23 150	*20 250	16 700	*16 450	13 050			*14 650	11 900	9.71
–3.0 m	kg					*26 200	*26 200	*22 250	*22 250	*18 150	16 900					*14 150	13 450	8.92
–4.5 m	kg					*20 850	*20 850	*17 900	*17 900	*13 900	*13 900					*12 900	*12 900	7.76

*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.

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

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

374D L Hydraulic Excavator

Mass Boom Lift Capacities

Load Point Height

Load at Maximum Reach

Load Radius Over Front

Load Radius Over Side

Boom – 7.0 m

Coupler – N/A

Bucket – None

Stick – M3.0 m

Shoes – 900 mm double grouser (HD)

		1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		9.0 m				m
																
9.0 m	kg													*13 850	*13 850	7.35
7.5 m	kg									*16 250	*16 250			*13 100	*13 100	8.45
6.0 m	kg							*19 550	*19 550	*17 050	*17 050	*15 700	14 300	*12 900	*12 900	9.18
4.5 m	kg					*30 350	*30 350	*22 250	*22 250	*18 350	*18 350	*16 150	14 000	*13 150	12 500	9.62
3.0 m	kg							*24 850	24 800	*19 700	17 800	*16 750	13 550	*13 750	11 850	9.81
1.5 m	kg							*26 450	23 700	*20 700	17 150	*17 200	13 200	*14 800	11 700	9.76
Ground Line	kg					*29 000	*29 000	*26 700	23 150	*20 950	16 750	*17 100	12 950	*15 950	12 100	9.48
–1.5 m	kg			*23 900	*23 900	*32 900	*32 900	*25 550	23 000	*20 200	16 600			*16 050	13 100	8.93
–3.0 m	kg			*35 400	*35 400	*28 850	*28 850	*22 900	*22 900	*17 850	16 800			*15 800	15 300	8.06
–4.5 m	kg					*22 350	*22 350	*17 550	*17 550					*14 600	*14 600	6.76

Boom – 7.0 m

Coupler – N/A

Bucket – None

Stick – M2.57 m

Shoes – 900 mm double grouser (HD)

		1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		9.0 m				m
																
9.0 m	kg													*16 700	*16 700	6.82
7.5 m	kg									*17 200	*17 200			*15 700	*15 700	8.00
6.0 m	kg							*20 600	*20 600	*17 800	*17 800			*15 450	14 850	8.77
4.5 m	kg							*23 200	*23 200	*19 000	18 500	*16 700	13 950	*15 750	13 350	9.23
3.0 m	kg							*25 550	24 550	*20 250	17 750	*17 150	13 550	*16 500	12 650	9.43
1.5 m	kg							*26 800	23 600	*21 000	17 150	*17 400	13 250	*16 650	12 500	9.38
Ground Line	kg					*26 950	*26 950	*26 650	23 200	*21 050	16 800	*17 000	13 100	*16 750	12 950	9.08
–1.5 m	kg					*31 500	*31 500	*25 100	23 200	*19 900	16 750			*16 750	14 200	8.50
–3.0 m	kg			*31 000	*31 000	*27 100	*27 100	*21 900	*21 900	*16 650	*16 650			*16 250	*16 250	7.59
–4.5 m	kg					*19 700	*19 700	*15 150	*15 150					*14 350	*14 350	6.18

*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.

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

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374D L Hydraulic Excavator

374D L Bucket Specifications and Compatibility

	Linkage	Width	Capacity	Weight	Fill Factor	Reach Boom 7.8 m				ME Boom 7.0 m	
		mm	m³	kg	%	R2.8VB2	R3.6VB2	R4.15VB2	R4.6VB2	M2.6WB2	M3.0WB2
Pin-On											
General Duty (GD)	VB2	1900	3.8	3622	100%	●	◎	○	○		
	WB2	2000	4.6	4016	100%					●	◎
	WB2	2100	5.0	4167	100%					◎	◎
Heavy Duty (HD)	VB2	1900	3.8	3782	100%	●	◎	○	⊗		
	WB2	2100	5.0	4345	100%					●	◎
	WB2	2250	5.3	4591	100%					◎	◎
Severe Duty (SD)	WB2	1800	3.7	4667	90%					●	●
	WB2	1900	4.0	4825	90%					●	●
	WB2	2000	4.4	4982	90%					●	◎
	WB2	2100	4.6	5141	90%					◎	◎
	WB2	2200	5.0	5341	90%					◎	○
Extreme Duty (XD)	WB2	2000	4.4	5785	90%					◎	○
	WB2	2100	4.6	5982	90%					◎	○
	WB2	2200	5.0	6212	90%					○	⊗
Maximum dynamic load pin-on (payload + bucket)					kg	10 650	9610	8860	8070	12 150	11 260
With Quick Coupler (CW-70)											
General Duty (GD)	VB2	1900	3.8	3668	100%	◎	○	⊗	⊗		
Severe Duty (SD)	WB2	1900	4.0	4802	90%					◎	◎
	WB2	2000	4.4	4959	90%					◎	○
Extreme Duty (XD)	WB2	2000	4.4	5797	90%					○	⊗
Maximum dynamic load with CW coupler (payload + bucket)					kg	9330	8290	7540	6750	10 830	9940

The above figures are based on maximum recommended dynamic working weights with front linkage fully extended at ground line with bucket curled. They do not exceed a stability ratio of 1.25.

Capacity based on ISO 7451.

Bucket weights include General Duty tips.

Maximum Material Density:

- 1800 kg/m³ or greater
- ◎ 1500 kg/m³ or less
- 1200 kg/m³ or less
- ⊗ Not Recommended

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.

374D L Hydraulic Excavator

Work Tool Offering Guide*

Boom Type	Reach Boom				Mass Boom	
Stick Size	R4.67 m	R4.15 m	R3.6 m	R2.84 m	M3.0 m	M2.57 m
Hydraulic Hammer	H180	H180	H180	H180	H180	H180
Multi-Processor	MP40	MP40	MP40	MP40	MP40	MP40
Crusher	P360	P360	P360	P360	P360	P360
Mobile Scrap and Demolition Shear	S365C**	S365C**	S365C**	S365C**	S365C**	S365C**
Orange Peel Grapple						
Clamshell						
Rippers						
Center-Lock™ Pin Grabber Coupler						
Dedicated Quick Coupler						

These work tools are available for the 374D L.
Consult your Cat dealer for proper match.

*Matches are dependent on excavator configurations. Consult your Cat dealer for proper work tool match.

**Pin-on only.