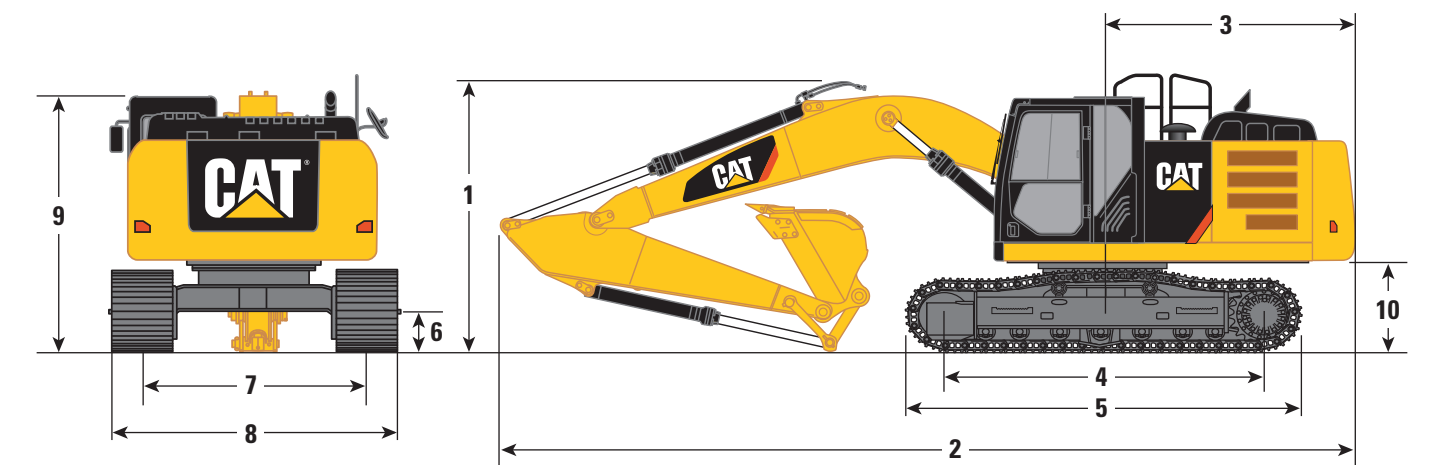


324E Hydraulic Excavator

Dimensions

All dimensions are approximate.



Stick	HD Reach Booms 5.9 m (19'4")		Mass Boom 5.3 m (17'5")	Super Long Reach Boom 10.2 m (33'6")
	R2.95CB1 (9'8")	R2.5CB1 (8'2")	M2.5DB (8'2")	Super Long Reach 7.85 m (25'9")
	mm (ft)	mm (ft)	mm (ft)	mm (ft)
1 Shipping Height*	3221 (10'7")	3410 (11'2")	3500 (11'6")	3229 (10'7")
Shipping Height with Guard Rail	3283 (10'9")	3283 (10'9")	3283 (10'9")	3283 (10'9")
2 Shipping Length	10 063 (33'0")	10 100 (33'2")	9480 (31'1")	14 352 (47'1")
3 Tail Swing Radius	2947 (9'8")	2947 (9'8")	2947 (9'8")	2947 (9'8")
4 Length to Center of Rollers				
Long Undercarriage	3830 (12'7")	3830 (12'7")	3830 (12'7")	3830 (12'7")
5 Track Length				
Long Undercarriage	4640 (15'3")	4640 (15'3")	4640 (15'3")	4640 (15'3")
6 Ground Clearance				
Long Undercarriage	440 (1'5")	440 (1'5")	440 (1'5")	440 (1'5")
7 Track Gauge				
Long Undercarriage	2590 (8'6")	2590 (8'6")	2590 (8'6")	2590 (8'6")
8 Transport Width				
Long Undercarriage – 600 mm (24") Shoes	3190 (10'6")	3190 (10'6")	3190 (10'6")	3190 (10'6")
Long Undercarriage – 700 mm (28") Shoes	3290 (10'10")	3290 (10'10")	3290 (10'10")	3290 (10'10")
Long Undercarriage – 790 mm (31") Shoes	3380 (11'1")	3380 (11'1")	3380 (11'1")	3380 (11'1")
9 Cab Height	2996 (9'10")	2996 (9'10")	2996 (9'10")	2996 (9'10")
Cab Height with Top Guard	3190 (10'6")	3190 (10'6")	3190 (10'6")	3190 (10'6")
10 Counterweight Clearance**	1088 (3'7")	1088 (3'7")	1088 (3'7")	1088 (3'7")

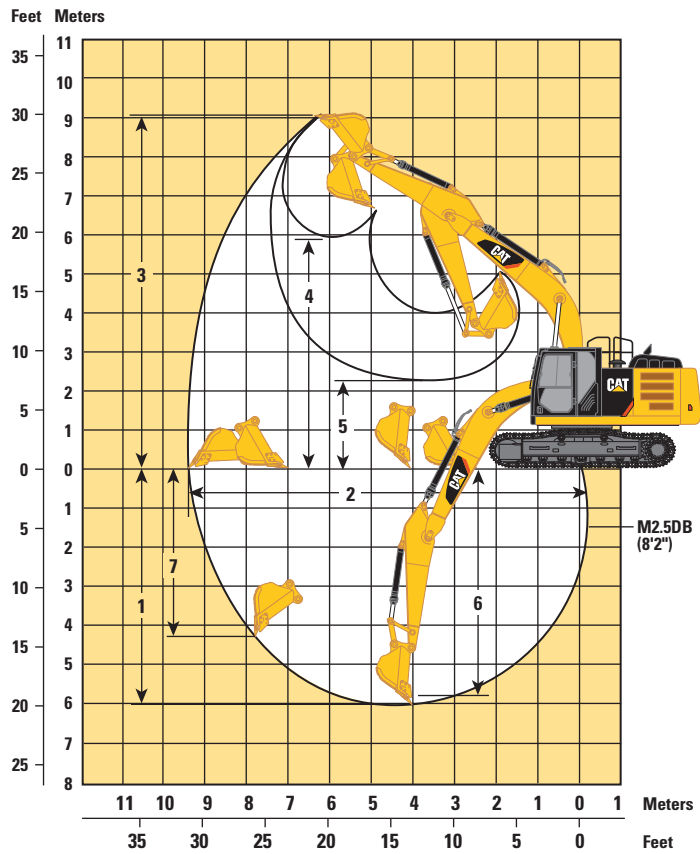
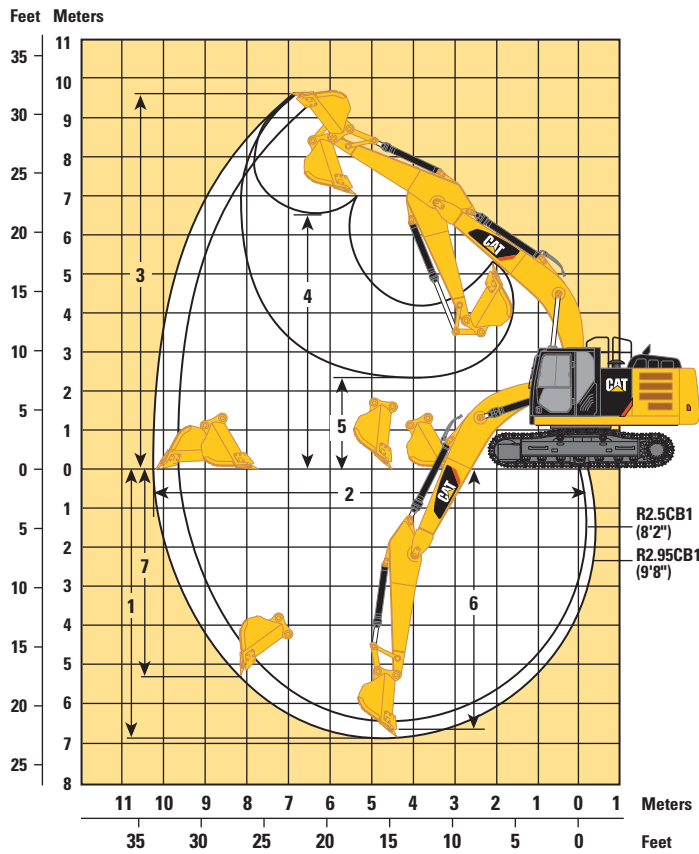
*Including shoe lug height.

**Without shoe lug height.

324E Hydraulic Excavator

Working Ranges

All dimensions are approximate.

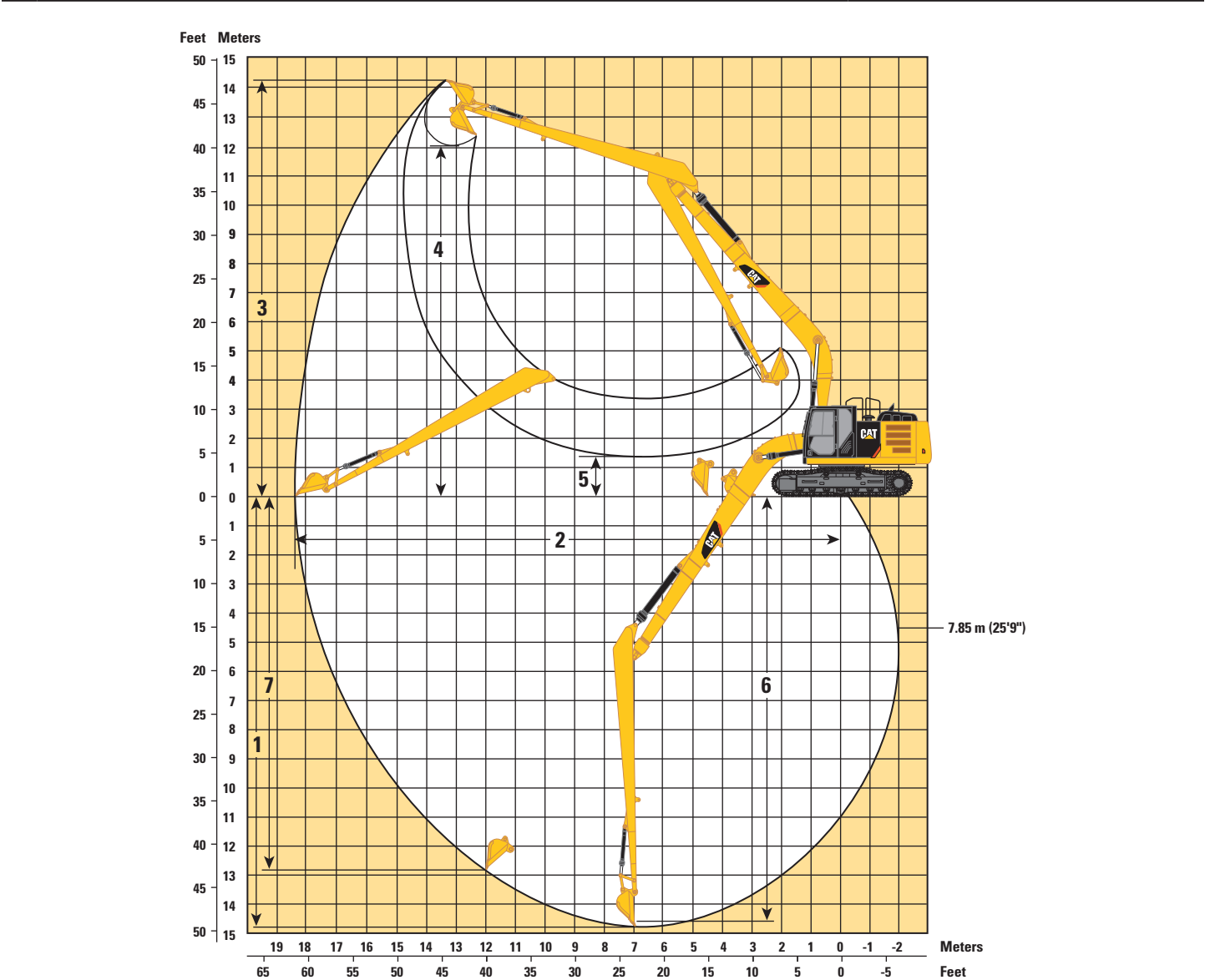


Stick	HD Reach Booms 5.9 m (19'4")		Mass Boom 5.3 m (17'5")
	R2.95CB1 (9'8")	R2.5CB1 (8'2")	M2.5DB (8'2")
	mm (ft)	mm (ft)	mm (ft)
1 Maximum Digging Depth	6810 (22'4")	6360 (20'10")	6000 (19'8")
2 Maximum Reach at Ground Level	10 110 (33'2")	9690 (31'9")	9200 (30'2")
3 Maximum Cutting Height	9690 (31'9")	9490 (31'2")	9060 (29'9")
4 Maximum Loading Height	7450 (24'5")	6440 (21'2")	5890 (19'4")
5 Minimum Loading Height	2410 (7'11")	2860 (9'5")	2280 (7'6")
6 Maximum Depth Cut for 2440 mm (8'0") Level Bottom	6640 (21'9")	6160 (20'3")	5810 (19'1")
7 Maximum Vertical Wall Digging Depth	5300 (17'5")	4870 (16'0")	4250 (13'11")

324E Hydraulic Excavator

Working Ranges

All dimensions are approximate.



	Super Long Reach Boom 10.2 m (33'6")
	Super Long Reach Stick 7.85 m (25'9")
	mm (ft)
1 Maximum Digging Depth	14 730 (48'4")
2 Maximum Reach at Ground Level	18 430 (60'6")
3 Maximum Cutting Height	14 260 (46'9")
4 Maximum Loading Height	12 030 (39'6")
5 Minimum Loading Height	1370 (4'6")
6 Maximum Depth Cut for 2440 mm (8'0'') Level Bottom	14 640 (48'0")
7 Maximum Vertical Wall Digging Depth	12 800 (42'0")

324E Hydraulic Excavator

Operating Weight and Ground Pressure

	790 mm (31") Triple Grouser Shoes		700 mm (28") Triple Grouser Shoes		600 mm (24") Double Grouser Shoes	
	kg (lb)	kPa (psi)	kg (lb)	kPa (psi)	kg (lb)	kPa (psi)
Long Undercarriage						
HD Reach Boom – 5.9 m (19'4")						
R2.95CB1 HD (9'8")	25 887 (57,071)	42.0 (6.08)	25 627 (56,498)	46.9 (6.80)	25 187 (55,528)	53.7 (7.79)
R2.5CB1 HD (8'2")	25 827 (56,939)	41.9 (6.07)	25 567 (56,366)	46.8 (6.78)	25 127 (55,395)	53.6 (7.78)
Mass Boom – 5.3 m (17'5")						
M2.5DB (8'2")	26 307 (57,997)	42.6 (6.18)	26 047 (57,424)	47.6 (6.91)	25 607 (56,454)	54.6 (7.92)
Super Long Reach Boom – 10.2 m (33'6")						
7.85 m (25'9") (SLR)	29 479 (64,990)	47.8 (6.93)	29 219 (64,417)	53.4 (7.75)	28 779 (63,447)	61.4 (8.91)

Major Component Weights

	kg	lb
Base Machine (with boom cylinder, without counterweight, front linkage and track)		
Long Undercarriage	14 300	31,530
Counterweight		
4.0 mt (4.4 t)	4020	8,860
6.75 mt (7.4 t) Super Long Reach model	6750	14,880
Boom (includes lines, pins and stick cylinder)		
HD Reach Boom – 5.9 m (19'4")	1740	3,840
Mass Boom – 5.3 m (17'5")	1850	4,080
Super Long Reach – 10.2 m (33'6")	2800	6,170
Stick (includes lines, pins and bucket cylinder)		
R2.95CB1 (9'8") HD	840	1,850
R2.5CB1 (8'2") HD	780	1,720
M2.5DB (8'2")	970	2,140
Super Long Reach	1400	3,090
Track Shoes (Long/per two tracks)		
600 mm (24") Double Grouser	3220	7,100
700 mm (28") Triple Grouser	3680	8,120
790 mm (31") Triple Grouser	3940	8,680
Buckets		
CB1 1200HD – 1.33 m³ (1.74 yd³)	1047	2,309
CB1 1350HD – 1.54 m³ (2.01 yd³)	1096	2,416
DB 1500GD – 1.87 m³ (2.45 yd³)	1227	2,705
A 1145DC – 0.6 m³ (0.78 yd³)	288.9	637

All weights are rounded up to nearest 10 kg and lb except for buckets. Kg and lb were rounded up separately so some of the kg and lb do not match.

Base machine includes 75 kg (165 lb) operator weight, 90% fuel weight, and undercarriage with center guard.

324E Hydraulic Excavator

Bucket and Stick Forces

	HD Reach Booms 5.9 m (19'4")		Mass Boom 5.3 m (17'5")	Super Long Reach Boom 10.2 m (33'6")
	CB-Family Bucket		DB-Family Bucket	A-Family Bucket
Stick	R2.95CB1 (9'8")	R2.5CB1 (8'2")	M2.5DB (8'2")	Super Long Reach 7.85 m (25'9")
	kN (lbf)	kN (lbf)	kN (lbf)	kN (lbf)
General Duty				
Bucket Digging Force (SAE)	138 (31,024)	138 (31,024)	188 (42,300)	—
Stick Digging Force (SAE)	113 (25,403)	131 (29,450)	133 (29,900)	—
Heavy Duty				
Bucket Digging Force (SAE)	136 (30,574)	136 (30,574)	185 (41,600)	—
Stick Digging Force (SAE)	113 (25,403)	131 (29,450)	132 (29,700)	—
Severe Duty				
Bucket Digging Force (SAE)	147 (33,000)	147 (33,000)	—	—
Stick Digging Force (SAE)	117 (26,300)	136 (30,600)	—	—

324E Hydraulic Excavator

HD Reach Boom Lift Capacities

 Load Point Height

 Load at Maximum Reach

 Load Radius Over Front

 Load Radius Over Side

Boom – 5.9 m (19'4")

Counterweight – 4.0 mt (4.4 t)

Bucket – None

Stick – R2.95CB1 (9'8")

Shoes – 790 mm (31") triple grouser with step

Heavy Lift Mode – On

		1.5 m/5.0 ft		3.0 m/10.0 ft		4.5 m/15.0 ft		6.0 m/20.0 ft		7.5 m/25.0 ft				m ft
														
7.5 m 25.0 ft	kg lb							*7100 *14,650	*7100 *14,650			*5900 *13,050	*5900 *13,050	6.42 20.71
6.0 m 20.0 ft	kg lb							*7200 *15,800	7200 15,500	*5650	5000	*5600 *12,350	5000 11,100	7.51 24.46
4.5 m 15.0 ft	kg lb					*9400 *20,250	*9400 *20,250	*8050 *17,450	7000 15,000	7350 15,800	4950 10,600	*5600 *12,300	4300 9,450	8.18 26.76
3.0 m 10.0 ft	kg lb					*12 050 *25,900	10 200 21,950	*9250 *20,050	6650 14,350	7200 15,450	4800 10,300	*5800 *12,750	3950 8,650	8.53 27.97
1.5 m 5.0 ft	kg lb					*14 350 *30,950	9550 20,550	9850 21,150	6350 13,700	7050 15,100	4650 9,950	5750 12,600	3800 8,350	8.61 28.25
Ground Line	kg lb					15 350 32,900	9250 19,850	9600 20,650	6150 13,200	6900 14,850	4500 9,750	5850 12,850	3850 8,500	8.42 27.62
–1.5 m –5.0 ft	kg lb			*11 050 *25,100	*11 050 *25,100	15 250 32,650	9150 19,650	9500 20,400	6050 13,000	6850 14,750	4500 9,650	6350 13,950	4150 9,150	7.94 26.01
–3.0 m –10.0 ft	kg lb			*18 050 *41,150	*18 050 39,350	*14 250 *30,800	9200 19,800	9550 20,500	6100 13,100			7450 16,550	4850 10,750	7.11 23.22
–4.5 m –15.0 ft	kg lb			*15 850 *33,950	*15 850 *33,950	*11 650 *24,850	9450 20,350					*8700 *19,100	6600 14,850	5.78 18.70

Boom – 5.9 m (19'4")

Counterweight – 4.0 mt (4.4 t)

Bucket – None

Stick – R2.95CB1 (9'8")

Shoes – 700 mm (28") triple grouser

Heavy Lift Mode – On

		1.5 m/5.0 ft		3.0 m/10.0 ft		4.5 m/15.0 ft		6.0 m/20.0 ft		7.5 m/25.0 ft				m ft
														
7.5 m 25.0 ft	kg lb							*7100 *14,650	*7100 *14,650			*5900 *13,050	*5900 *13,050	6.42 20.71
6.0 m 20.0 ft	kg lb							*7200 *15,800	7150 15,350	*5650	4950	*5600 *12,350	4950 11,000	7.51 24.46
4.5 m 15.0 ft	kg lb					*9400 *20,250	*9400 *20,250	*8050 *17,450	6900 14,900	7300 15,650	4900 10,500	*5600 *12,300	4250 9,400	8.18 26.76
3.0 m 10.0 ft	kg lb					*12 050 *25,900	10 100 21,750	*9250 *20,050	6600 14,200	7150 15,300	4750 10,200	*5800 *12,750	3900 8,550	8.53 27.97
1.5 m 5.0 ft	kg lb					*14 350 *30,950	9450 20,400	9750 20,950	6300 13,550	6950 14,950	4600 9,900	5650 12,450	3750 8,250	8.61 28.25
Ground Line	kg lb					15 200 32,550	9150 19,650	9500 20,450	6100 13,100	6850 14,700	4500 9,650	5800 12,750	3800 8,400	8.42 27.62
–1.5 m –5.0 ft	kg lb			*11 050 *25,100	*11 050 *25,100	15 100 32,350	9050 19,450	9400 20,200	6000 12,900	6800 14,600	4450 9,550	6250 13,800	4100 9,050	7.94 26.01
–3.0 m –10.0 ft	kg lb			*18 050 *41,150	*18 050 38,950	*14 250 *30,800	9150 19,650	9450 20,300	6000 12,950			7400 16,350	4800 10,650	7.11 23.22
–4.5 m –15.0 ft	kg lb			*15 850 *33,950	*15 850 *33,950	*11 650 *24,850	9350 20,200					*8700 *19,100	6550 14,750	5.78 18.70

*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.

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

324E Hydraulic Excavator

HD Reach Boom Lift Capacities

 Load Point Height

 Load at Maximum Reach

 Load Radius Over Front

 Load Radius Over Side

Boom – 5.9 m (19'4")

Counterweight – 4.0 mt (4.4 t)

Bucket – None

Stick – R2.5CB1 (8'2")

Shoes – 790 mm (31") triple grouser with step

Heavy Lift Mode – On

		1.5 m/5.0 ft		3.0 m/10.0 ft		4.5 m/15.0 ft		6.0 m/20.0 ft		7.5 m/25.0 ft				
														m ft
7.5 m 25.0 ft	kg lb											*7950 *17,550	7400 16,900	5.86 18.82
6.0 m 20.0 ft	kg lb							*7800 *17,100	7150 15,300			*7600 *16,800	5500 12,250	7.04 22.89
4.5 m 15.0 ft	kg lb					*10 300 *22,150	*10 300 *22,150	*8600 *18,650	6900 14,850	7300 15,700	4900 10,500	6950 15,350	4650 10,300	7.75 25.34
3.0 m 10.0 ft	kg lb					*12 900 *27,700	10 000 21,600	*9700 *21,050	6600 14,200	7200 15,400	4800 10,250	6350 14,000	4250 9,350	8.12 26.62
1.5 m 5.0 ft	kg lb					*14 900 *32,150	9450 20,350	9800 21,600	6300 13,600	7050 15,100	4650 10,000	6150 13,550	4100 9,000	8.20 26.91
Ground Line	kg lb					15 300 32,850	9200 19,800	9600 20,650	6150 13,250	6950 14,900	4550 9,800	6300 13,900	4200 9,200	8.00 26.25
-1.5 m -5.0 ft	kg lb			*11 400 *26,000	*11 400 *26,000	*15 150 32,750	9200 19,750	9550 20,500	6100 13,100			6950 15,250	4550 10,000	7.49 24.55
-3.0 m -10.0 ft	kg lb			*18 350 *39,850	*18 350 39,750	*13 650 *29,500	9300 20,050	9650 20,700	6150 13,300			8400 18,600	5450 12,050	6.61 21.56
-4.5 m -15.0 ft	kg lb					*10 350 *21,900	9650 20,750					*8800 *19,300	7950 17,950	5.15 16.59

Boom – 5.9 m (19'4")

Counterweight – 4.0 mt (4.4 t)

Bucket – None

Stick – R2.5CB1 (8'2")

Shoes – 700 mm (28") triple grouser

Heavy Lift Mode – On

		1.5 m/5.0 ft		3.0 m/10.0 ft		4.5 m/15.0 ft		6.0 m/20.0 ft		7.5 m/25.0 ft				
														m ft
7.5 m 25.0 ft	kg lb											*7950 *17,550	7350 16,750	5.86 18.82
6.0 m 20.0 ft	kg lb							*7800 *17,100	7050 15,200			*7600 *16,800	5450 12,150	7.04 22.89
4.5 m 15.0 ft	kg lb					*10 300 *22,150	*10 300 *22,150	*8600 *18,650	6850 14,750	7250 15,550	4850 10,400	6850 15,200	4600 10,200	7.75 25.34
3.0 m 10.0 ft	kg lb					*12 900 *27,700	9900 21,400	*9700 *21,050	6550 14,100	7100 15,300	4750 10,150	6300 13,850	4200 9,250	8.12 26.62
1.5 m 5.0 ft	kg lb					*14 900 *32,150	9350 20,150	9700 20,900	6250 13,500	6950 14,950	4600 9,900	6100 13,450	4050 8,900	8.20 26.91
Ground Line	kg lb					15 200 32,500	9150 19,650	9500 20,450	6100 13,100	6850 14,750	4500 9,700	6250 13,800	4150 9,100	8.00 26.25
-1.5 m -5.0 ft	kg lb			*11 400 *26,000	*11 400 *26,000	*15 150 32,450	9100 19,550	9450 20,300	6050 13,000			6850 15,100	4500 9,900	7.49 24.55
-3.0 m -10.0 ft	kg lb			*18 350 *39,850	*18 350 39,400	*13 650 *29,500	9250 19,850	9550 20,500	6100 13,150			8300 18,400	5400 11,950	6.61 21.56
-4.5 m -15.0 ft	kg lb					*10 350 *21,900	9550 20,550					*8800 *19,300	7850 17,800	5.15 16.59

*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.

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

324E Hydraulic Excavator

Mass Boom Lift Capacities

 Load Point Height

 Load at Maximum Reach

 Load Radius Over Front

 Load Radius Over Side

Boom – 5.3 m (17'5")

Counterweight – 4.0 mt (4.4 t)

Bucket – None

Stick – M2.5DB (8'2")

Shoes – 790 mm (31") triple grouser with step

Heavy Lift Mode – On

		1.5 m/5.0 ft		3.0 m/10.0 ft		4.5 m/15.0 ft		6.0 m/20.0 ft		7.5 m/25.0 ft				
														m ft
7.5 m 25.0 ft	kg lb											*7900 *17,600	*7900 *17,600	5.01 15.96
6.0 m 20.0 ft	kg lb							*8250 *18,100	7000 14,950			*7200 *15,850	6350 14,200	6.35 20.61
4.5 m 15.0 ft	kg lb					*9850 *21,300	*9850 *21,300	*8650 *18,850	6850 14,700			*7050 *15,550	5150 11,400	7.13 23.30
3.0 m 10.0 ft	kg lb					*12 200 *26,350	10 150 21,850	*9650 *20,900	6550 14,100	7050	4650	7000 15,450	4600 10,150	7.54 24.70
1.5 m 5.0 ft	kg lb					*14 400 *31,100	9500 20,450	9800 21,000	6250 13,500	6950 14,900	4550 9,750	6750 14,900	4450 9,750	7.62 25.01
Ground Line	kg lb					15 350 32,850	9200 19,750	9550 20,550	6050 13,050			7000 15,400	4550 10,000	7.41 24.30
–1.5 m –5.0 ft	kg lb			*17 100 *39,050	*17 100 38,800	*15 050 *32,550	9100 19,600	9500 20,400	6000 12,950			7800 17,250	5050 11,100	6.85 22.44
–3.0 m –10.0 ft	kg lb			*18 400 *39,750	*18 400 39,550	*13 200 *28,400	9250 19,900					*9550 *21,050	6350 14,100	5.87 19.12

Boom – 5.3 m (17'5")

Counterweight – 4.0 mt (4.4 t)

Bucket – None

Stick – M2.5DB (8'2")

Shoes – 700 mm (28") triple grouser

Heavy Lift Mode – On

		1.5 m/5.0 ft		3.0 m/10.0 ft		4.5 m/15.0 ft		6.0 m/20.0 ft		7.5 m/25.0 ft				
														m ft
7.5 m 25.0 ft	kg lb											*7900 *17,600	*7900 *17,600	5.01 15.96
6.0 m 20.0 ft	kg lb							*8250 *18,100	6950 14,850			*7200 *15,850	6300 14,050	6.35 20.61
4.5 m 15.0 ft	kg lb					*9850 *21,300	*9850 *21,300	*8650 *18,850	6800 14,550			*7050 *15,550	5100 11,300	7.13 23.30
3.0 m 10.0 ft	kg lb					*12 200 *26,350	10 050 21,650	*9650 *20,900	6500 13,950	7000	4600	6950 15,300	4550 10,050	7.54 24.70
1.5 m 5.0 ft	kg lb					*14 400 *31,100	9400 20,300	9700 20,800	6200 13,350	6850 14,750	4500 9,650	6700 14,750	4400 9,650	7.62 25.01
Ground Line	kg lb					15 200 32,550	9100 19,550	9450 20,350	6000 12,950			6900 15,200	4500 9,900	7.41 24.30
–1.5 m –5.0 ft	kg lb			*17 100 *39,050	*17 100 38,450	*15 050 32,350	9050 19,400	9400 20,200	5950 12,800			7750 17,100	5000 11,000	6.85 22.44
–3.0 m –10.0 ft	kg lb			*18 400 *39,750	18 350 39,200	*13 200 *28,400	9150 19,700					*9550 *21,050	6300 13,950	5.87 19.12

*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.

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

324E Hydraulic Excavator

Super Long Reach Boom Lift Capacities

Load Point Height

Load at Maximum Reach

Load Radius Over Front

Load Radius Over Side

Boom – 10.2 m (33'6")

Counterweight – 6.75 mt (7.4 t)

Bucket – None

Stick – 7.85 m (25'9") Super Long Reach

Shoes – 790 mm (31") triple grouser with step

Heavy Lift Mode – On

		1.5 m/5.0 ft		3.0 m/10.0 ft		4.5 m/15.0 ft		6.0 m/20.0 ft		7.5 m/25.0 ft		9.0 m/30.0 ft				
																m ft
12.0 m 40.0 ft	kg lb													*1350 *2,950	*1350 *2,950	13.94 45.26
10.5 m 35.0 ft	kg lb													*1300 *2,850	*1300 *2,850	14.93 48.66
9.0 m 30.0 ft	kg lb													*1250 *2,750	*1250 *2,750	15.72 51.34
7.5 m 25.0 ft	kg lb													*1250 *2,750	*1250 *2,750	16.32 53.42
6.0 m 20.0 ft	kg lb													*1250 *2,750	*1250 *2,750	16.78 54.96
4.5 m 15.0 ft	kg lb													*1300 *2,800	*1300 *2,800	17.08 56.01
3.0 m 10.0 ft	kg lb			*4850	*4850							*3650 *7,900	*3650 *7,900	*1300 *2,900	1300 2,850	17.25 56.59
1.5 m 5.0 ft	kg lb			*1550 *3,650	*1550 *3,650	*5500 *12,950	*5500 *12,950	*6500 *13,950	*6500 *13,950	*5050 *10,850	4950 10,700	*4200 *9,050	3850 8,300	*1350 *3,000	1250 2,750	17.29 56.73
Ground Line	kg lb			*1650 *3,700	*1650 *3,700	*3650 *8,400	*3650 *8,400	*7550 *16,300	5950 12,800	*5750 *12,400	4500 9,650	*4700 *10,150	3550 7,600	*1450 *3,150	1250 2,700	17.20 56.42
-1.5 m -5.0 ft	kg lb	*1600 *3,500	*1600 *3,500	*2100 *4,700	*2100 *4,700	*3550 *8,000	*3550 *8,000	*6600 *15,100	5450 11,700	*6350 *13,700	4100 8,850	*5100 *11,050	3250 7,000	*1550 *3,350	1250 2,700	16.97 55.66
-3.0 m -10.0 ft	kg lb	*2200 *4,850	*2200 *4,850	*2700 *6,000	*2700 *6,000	*3850 *8,700	*3850 *8,700	*6250 *14,250	5150 11,100	6450 13,900	3900 8,350	5050 10,850	3050 6,600	*1650 *3,650	1250 2,750	16.60 54.42
-4.5 m -15.0 ft	kg lb	*2800 *6,200	*2800 *6,200	*3300 *7,400	*3300 *7,400	*4400 *9,950	*4400 *9,950	*6550 *14,900	5050 10,800	6300 13,550	3750 8,050	4900 10,550	2950 6,300	*1850 *4,000	1300 2,850	16.09 52.68
-6.0 m -20.0 ft	kg lb	*3400 *7,600	*3400 *7,600	*4000 *8,950	*4000 *8,950	*5100 *11,500	*5100 *11,500	*7200 *16,400	5000 10,750	6250 13,400	3700 7,900	4850 10,400	2900 6,200	*2050 *4,550	1400 3,050	15.41 50.38
-7.5 m -25.0 ft	kg lb	*4100 *9,150	*4100 *9,150	*4750 *10,650	*4750 *10,650	*5950 *13,450	*5950 *13,450	*8200 *18,650	5050 10,900	6250 13,450	3700 7,950	4850 10,400	2900 6,200	*2400 *5,300	1550 3,400	14.54 47.44
-9.0 m -30.0 ft	kg lb	*4800 *10,800	*4800 *10,800	*5600 *12,600	*5600 *12,600	*7000 *15,800	*7000 *15,800	*8550 *18,400	5200 11,200	6350 13,650	3800 8,150	4900 10,550	2950 6,300	*2900 *6,450	1750 3,900	13.45 43.73
-10.5 m -35.0 ft	kg lb	*5600 *12,600	*5600 *12,600	*6600 *14,850	*6600 *14,850	*8250 *18,800	*8250 *18,100	*7900 *16,950	5400 11,650	*6400 *13,700	3900 8,450	5000 10,850	3050 6,600	3450 7,700	2100 4,750	12.07 39.02
-12.0 m -40.0 ft	kg lb			*7750 *17,500	*7750 *17,500	*8800 *18,650	*8800 *18,650	*6900 *14,600	5700 12,350	*5600 *11,800	4150 9,000	*4600 *9,600	3250 7,050	*3800 *8,400	2750 6,350	10.29 32.89

*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.

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

324E Hydraulic Excavator

Super Long Reach Boom Lift Capacities

	Load Point Height		Load at Maximum Reach		Load Radius Over Front		Load Radius Over Side
Boom – 10.2 m (33'6")		Counterweight – 6.75 mt (7.4 t)		Bucket – None			
Stick – 7.85 m (25'9") Super Long Reach		Shoes – 790 mm (31") triple grouser with step		Heavy Lift Mode – On			

		10.5 m/35.0 ft		12.0 m/40.0 ft		13.5 m/45.0 ft		15.0 m/50.0 ft		16.5 m/55.0 ft				
														m ft
12.0 m 40.0 ft	kg lb					*1800 *3,150	*1800 *3,150					*1350 *2,950	*1350 *2,950	13.94 45.26
10.5 m 35.0 ft	kg lb					*2200 *4,900	*2200 *4,900					*1300 *2,850	*1300 *2,850	14.93 48.66
9.0 m 30.0 ft	kg lb					*2250 *4,950	*2250 *4,950	*2050 *3,800	2000 *3,800			*1250 *2,750	*1250 *2,750	15.72 51.34
7.5 m 25.0 ft	kg lb					*2350 *5,100	*2350 *5,100	*2350 *5,100	2000 4,200			*1250 *2,750	*1250 *2,750	16.32 53.42
6.0 m 20.0 ft	kg lb			*5,450	*5,450	*2450 *5,350	2400 5,100	*2450 *5,300	1950 4,100	*1650	1550	*1250 *2,750	*1250 *2,750	16.78 54.96
4.5 m 15.0 ft	kg lb			*2750 *5,950	*2750 *5,950	*2600 *5,700	2300 4,900	*2550 *5,550	1850 3,950	*2050 *3,800	1500 3,150	*1300 *2,800	*1300 *2,800	17.08 56.01
3.0 m 10.0 ft	kg lb	*3250 *7,050	*3250 *7,050	*3000 *6,500	2650 5,700	*2800 *6,100	2150 4,650	*2650 *5,800	1750 3,750	2350 *4,450	1450 3,050	*1300 *2,900	1300 2,850	17.25 56.59
1.5 m 5.0 ft	kg lb	*3650 *7,900	3050 6,600	*3250 *7,100	2500 5,350	*3000 *6,500	2050 4,350	2700 5,750	1700 3,600	2300 *4,800	1400 2,950	*1350 *3,000	1250 2,750	17.29 56.73
Ground Line	kg lb	*4000 *8,650	2850 6,100	*3550 *7,650	2350 5,000	3100 6,600	1950 4,100	2600 5,600	1600 3,400	2250 4,750	1350 2,850	*1450 *3,150	1250 2,700	17.20 56.42
-1.5 m -5.0 ft	kg lb	4250 9,150	2650 5,700	3500 7,550	2200 4,700	2950 6,350	1800 3,900	2550 5,400	1550 3,250	2200 *4,200	1300 2,750	*1550 *3,350	1250 2,700	16.97 55.66
-3.0 m -10.0 ft	kg lb	4100 8,800	2500 5,350	3400 7,300	2050 4,450	2900 6,200	1750 3,700	2500 5,300	1500 3,150	*1900	1250	*1650 *3,650	1250 2,750	16.60 54.42
-4.5 m -15.0 ft	kg lb	4000 8,550	2400 5,150	3300 7,150	2000 4,250	2850 6,050	1700 3,600	2450 5,250	1450 3,100			*1850 *4,000	1300 2,850	16.09 52.68
-6.0 m -20.0 ft	kg lb	3950 8,450	2350 5,050	3300 7,050	1950 4,200	2800 6,000	1650 3,550	2450 *5,200	1450 3,100			*2050 *4,550	1400 3,050	15.41 50.38
-7.5 m -25.0 ft	kg lb	3900 8,450	2350 5,050	3300 7,050	1950 4,200	2800 6,050	1700 3,600					*2400 *5,300	1550 3,400	14.54 47.44
-9.0 m -30.0 ft	kg lb	3950 8,550	2400 5,150	3350 7,200	2000 4,300							*2900 6,450	1750 3,900	13.45 43.73
-10.5 m -35.0 ft	kg lb	4100 8,850	2500 5,400	3450	2150							3450 7,700	2100 4,750	12.07 39.02
-12.0 m -40.0 ft	kg lb											*3800 *8,400	2750 6,350	10.29 32.89

*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.

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

324E Hydraulic Excavator

Super Long Reach Boom Lift Capacities

 Load Point Height

 Load at Maximum Reach

 Load Radius Over Front

 Load Radius Over Side

Boom – 10.2 m (33'6")

Counterweight – 6.75 mt (7.4 t)

Bucket – None

Stick – 7.85 m (25'9") Super Long Reach

Shoes – 700 mm (28") triple grouser

Heavy Lift Mode – On

		1.5 m/5.0 ft		3.0 m/10.0 ft		4.5 m/15.0 ft		6.0 m/20.0 ft		7.5 m/25.0 ft		9.0 m/30.0 ft				
																m ft
12.0 m 40.0 ft	kg lb													*1350 *2,950	*1350 *2,950	13.94 45.26
10.5 m 35.0 ft	kg lb													*1300 *2,850	*1300 *2,850	14.93 48.66
9.0 m 30.0 ft	kg lb													*1250 *2,750	*1250 *2,750	15.72 51.34
7.5 m 25.0 ft	kg lb													*1250 *2,750	*1250 *2,750	16.32 53.42
6.0 m 20.0 ft	kg lb													*1250 *2,750	*1250 *2,750	16.78 54.96
4.5 m 15.0 ft	kg lb													*1300 *2,800	*1300 *2,800	17.08 56.01
3.0 m 10.0 ft	kg lb			*4850	*4850							*3650 *7,900	*3650 *7,900	*1300 *2,900	1300 2,800	17.25 56.59
1.5 m 5.0 ft	kg lb			*1550 *3,650	*1550 *3,650	*5500 *12,950	*5500 *12,950	*6500 *13,950	*6500 *13,950	*5050 *10,850	4900 10,600	*4200 *9,050	3800 8,200	*1350 *3,000	1250 2,700	17.29 56.73
Ground Line	kg lb			*1650 *3,700	*1650 *3,700	*3650 *8,400	*3650 *8,400	*7550 *16,300	5850 12,650	*5750 *12,400	4450 9,550	*4700 *10,150	3500 7,500	*1450 *3,150	1200 2,650	17.20 56.42
-1.5 m -5.0 ft	kg lb	*1600 *3,500	*1600 *3,500	*2100 *4,700	*2100 *4,700	*3550 *8,000	*3550 *8,000	*6600 *15,100	5400 11,600	*6350 *13,700	4050 8,750	*5100 *11,050	3250 6,950	*1550 *3,350	1200 2,650	16.97 55.66
-3.0 m -10.0 ft	kg lb	*2200 *4,850	*2200 *4,850	*2700 *6,000	*2700 *6,000	*3850 *8,700	*3850 *8,700	*6250 *14,250	5100 11,000	6400 13,750	3850 8,250	5000 10,700	3050 6,500	*1650 *3,650	1250 2,700	16.60 54.42
-4.5 m -15.0 ft	kg lb	*2800 *6,200	*2800 *6,200	*3300 *7,400	*3300 *7,400	*4400 *9,950	*4400 *9,950	*6550 *14,900	4950 10,700	6250 13,400	3700 7,950	4850 10,450	2900 6,250	*1850 *4,000	1300 2,800	16.09 52.68
-6.0 m -20.0 ft	kg lb	*3400 *7,600	*3400 *7,600	*4000 *8,950	*4000 *8,950	*5100 *11,500	*5100 *11,500	*7200 *16,400	4950 10,650	6150 13,300	3650 7,800	4800 10,300	2850 6,100	*2050 *4,550	1350 3,000	15.41 50.38
-7.5 m -25.0 ft	kg lb	*4100 *9,150	*4100 *9,150	*4750 *10,650	*4750 *10,650	*5950 *13,450	*5950 *13,450	*8200 *18,600	5000 10,800	6200 13,300	3650 7,850	4800 10,300	2850 6,100	*2400 *5,300	1500 3,350	14.54 47.44
-9.0 m -30.0 ft	kg lb	*4800 *10,800	*4800 *10,800	*5600 *12,600	*5600 *12,600	*7000 *15,800	*7000 *15,800	*8550 *18,400	5150 11,100	6300 13,500	3750 8,050	4850 10,450	2900 6,250	2850 6,400	1750 3,850	13.45 43.73
-10.5 m -35.0 ft	kg lb	*5600 *12,600	*5600 *12,600	*6600 *14,850	*6600 *14,850	*8250 *18,800	*8250 *18,800	*7900 *16,950	5350 11,550	*6400 *13,700	3900 8,350	4950 10,750	3000 6,500	3400 7,650	2100 4,700	12.07 39.02
-12.0 m -40.0 ft	kg lb			*7750 *17,500	*7750 *17,500	*8800 *18,650	8750 *18,650	*6900 *14,600	5650 12,250	*5600 *11,800	4100 8,900	*4600 *9,600	3200 7,000	*3800 *8,400	2750 6,250	10.29 32.89

*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.

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324E Hydraulic Excavator

Super Long Reach Boom Lift Capacities



Load Point Height



Load at Maximum Reach



Load Radius Over Front



Load Radius Over Side

Boom – 10.2 m (33'6")

Stick – 7.85 m (25'9") Super Long Reach

Counterweight – 6.75 mt (7.4 t)

Shoes – 700 mm (28") triple grouser

Bucket – None

Heavy Lift Mode – On

		10.5 m/35.0 ft		12.0 m/40.0 ft		13.5 m/45.0 ft		15.0 m/50.0 ft		16.5 m/55.0 ft				m ft
														
12.0 m 40.0 ft	kg lb					*1800 *3,150	*1800 *3,150					*1350 *2,950	*1350 *2,950	13.94 45.26
10.5 m 35.0 ft	kg lb					*2200 *4,900	*2200 *4,900					*1300 *2,850	*1300 *2,850	14.93 48.66
9.0 m 30.0 ft	kg lb					*2250 *4,950	*2250 *4,950	*2050 *3,800	2000 *3,800			*1250 *2,750	*1250 *2,750	15.72 51.34
7.5 m 25.0 ft	kg lb					*2350 *5,100	*2350 *5,100	*2350 *5,100	1950 4,150			*1250 *2,750	*1250 *2,750	16.32 53.42
6.0 m 20.0 ft	kg lb			*5,450	*5,450	*2450 *5,350	2400 5,050	*2450 *5,300	1900 4,050	*1650	1500	*1250 *2,750	*1250 *2,750	16.78 54.96
4.5 m 15.0 ft	kg lb			*2750 *5,950	*2750 *5,950	*2600 *5,700	2250 4,850	*2550 *5,550	1850 3,900	*2050 *3,800	1500 3,100	*1300 *2,800	*1300 *2,800	17.08 56.01
3.0 m 10.0 ft	kg lb	*3250 *7,050	*3250 7,050	*3000 *6,500	2650 5,650	*2800 *6,100	2150 4,600	*2650 *5,800	1750 3,700	2300 *4,450	1450 3,000	*1300 *2,900	1300 2,800	17.25 56.59
1.5 m 5.0 ft	kg lb	*3650 *7,900	3050 6,550	*3250 *7,100	2450 5,300	*3000 *6,500	2000 4,300	2650 5,700	1650 3,550	2250 *4,800	1350 2,900	*1350 *3,000	1250 2,700	17.29 56.73
Ground Line	kg lb	*4000 *8,650	2800 6,050	*3550 *7,650	2300 4,950	3050 6,550	1900 4,050	2600 5,500	1600 3,350	2200 4,700	1300 2,800	*1450 *3,150	1200 2,650	17.20 56.42
-1.5 m -5.0 ft	kg lb	4200 9,050	2600 5,600	3500 7,500	2150 4,600	2950 6,300	1800 3,850	2500 5,350	1500 3,200	2150 *4,200	1300 2,700	*1550 *3,350	1200 2,650	16.97 55.66
-3.0 m -10.0 ft	kg lb	4050 8,700	2450 5,300	3350 7,250	2050 4,400	2850 6,100	1700 3,650	2450 5,250	1450 3,100	*1900	1250	*1650 *3,650	1250 2,700	16.60 54.42
-4.5 m -15.0 ft	kg lb	3950 8,450	2350 5,100	3300 7,050	1950 4,200	2800 6,000	1650 3,550	2400 5,200	1400 3,050			*1850 *4,000	1300 2,800	16.09 52.68
-6.0 m -20.0 ft	kg lb	3900 8,350	2300 4,950	3250 6,950	1950 4,150	2750 5,950	1650 3,500	2400 5,200	1400 3,050			*2050 *4,550	1350 3,000	15.41 50.38
-7.5 m -25.0 ft	kg lb	3900 8,350	2300 4,950	3250 7,000	1950 4,150	2800 6,000	1650 3,550					*2400 *5,300	1500 3,350	14.54 47.44
-9.0 m -30.0 ft	kg lb	3950 8,450	2350 5,050	3300 7,100	2000 4,250							2850 6,400	1750 3,850	13.45 43.73
-10.5 m -35.0 ft	kg lb	4050 8,750	2450 5,350	3400	2100							3400 7,650	2100 4,700	12.07 39.02
-12.0 m -40.0 ft	kg lb											*3800 *8,400	2750 6,250	10.29 32.89

*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.

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324E Hydraulic Excavator

Work Tool Offering Guide*

Boom Type	HD Reach Boom		Mass Boom
Stick Size	R2.95 (9'8")	R2.5 (8'2")	M2.5 (8'2")
Hydraulic Hammer	H120E s H130E s	H120E s H130E s	H120E s H130E s
Multi-Processor	MP15 MP20	MP15 MP20	MP20
Scrap and Demolition Shear	S320B S325B** S340B***	S320B S325B S340B***	S320B S325B S340B***
Compactor (Vibratory Plate)	CVP110	CVP110	CVP110
Contractors' Grapple	G120B – G130B	G120B – G130B	G120B – G130B
Trash Grapple	These work tools are available for the 324E. Consult your Cat dealer for proper match.		
Thumbs			
Rippers			
Rakes			
Center-Lock Pin Grabber Coupler			
Dedicated Quick Coupler			

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

**Pin-on only.

***Boom Mount.

324E Hydraulic Excavator

Bucket Specifications and Compatibility

	Linkage	Width		Capacity		Weight		Fill	Reach Boom (HD)		Super Long Reach	Mass Boom
		mm	in	m³	yd³	kg	lb	%	R2.95 HD (9'8")	R2.5 HD (8'2")	7.85 m (25'9")	M2.5 (8'2")
Without Quick Coupler												
Ditch Cleaning (DC)	A	1238	49	0.57	0.75	289	637	100%			⊖	
	A	770	30	0.69	0.90	377	830	100%			○	
General Duty (GDC)	CB	600	24	0.63	0.83	724	1,595	100%	●	●		
	CB	750	30	0.86	1.13	810	1,785	100%	●	●		
	CB	900	36	1.09	1.43	907	1,998	100%	●	●		
	CB	1050	42	1.34	1.75	979	2,157	100%	●	●		
	CB	1200	48	1.58	2.07	1070	2,358	100%	●	⊙		
	CB	1350	54	1.83	2.40	1164	2,564	100%	⊙	⊖		
	CB	1500	60	2.12	2.77	1270	2,800	100%	●	⊙		
Heavy Duty (HD)	CB	600	24	0.52	0.68	763	1,681	100%	●	●		
	CB	750	30	0.71	0.93	847	1,866	100%	●	●		
	CB	900	36	0.91	1.19	935	2,061	100%	●	●		
	CB	1050	42	1.12	1.46	1024	2,256	100%	●	●		
	CB	1200	48	1.33	1.74	1095	2,413	100%	●	●		
	CB	1350	54	1.54	2.02	1188	2,618	100%	●	⊙		
	DB	1500	60	1.88	2.46	1624	3,579	100%				⊖
Severe Duty (SD)	CB	600	24	0.52	0.68	810	1,784	90%	●	●		
	CB	750	30	0.71	0.93	902	1,987	90%	●	●		
	CB	900	36	0.91	1.19	999	2,202	90%	●	●		
	CB	1050	42	1.12	1.46	1097	2,417	90%	●	●		
	CB	1200	48	1.33	1.74	1178	2,595	90%	●	●		
Maximum load pin-on (payload + bucket)								kg	4405	4030	1145	4750
								lb	9,709	8,882	2,524	10,469
Maximum standard bucket width								mm	1372	1372	—	1676
								in	54	54	—	66

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 over the side 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)
- ⊖ 1500 kg/m³ (2,500 lb/yd³)
- 1200 kg/m³ (2,000 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.

324E Hydraulic Excavator

Bucket Specifications and Compatibility

	Linkage	Width		Capacity		Weight		Fill	Reach Boom (HD)		Mass Boom
		mm	in	m³	yd³	kg	lb	%	R2.95 HD (9'8")	R2.5 HD (8'2")	M2.5 (8'2")
With Center Lock Coupler											
General Duty (GDC)	CB	600	24	0.63	0.83	724	1,595	100%	●	●	
	CB	750	30	0.86	1.13	810	1,785	100%	●	●	
	CB	900	36	1.09	1.43	907	1,998	100%	●	●	
	CB	1050	42	1.34	1.75	979	2,157	100%	●	⊙	
	CB	1200	48	1.58	2.07	1070	2,358	100%	⊙	⊖	
	CB	1350	54	1.83	2.40	1164	2,564	100%	⊖	○	
Heavy Duty (HD)	CB	600	24	0.52	0.68	763	1,681	100%	●	●	
	CB	750	30	0.71	0.93	847	1,866	100%	●	●	
	CB	900	36	0.91	1.19	935	2,061	100%	●	●	
	CB	1050	42	1.12	1.46	1024	2,256	100%	●	●	
	CB	1200	48	1.33	1.74	1095	2,413	100%	●	⊙	
	CB	1350	54	1.54	2.02	1188	2,618	100%	⊙	⊖	
	DB	1500	60	1.88	2.46	1624	3,579	100%			○
Severe Duty (SD)	CB	600	24	0.52	0.68	810	1,784	90%	●	●	
	CB	750	30	0.71	0.93	902	1,987	90%	●	●	
	CB	900	36	0.91	1.19	999	2,202	90%	●	●	
	CB	1050	42	1.12	1.46	1097	2,417	90%	●	●	
	CB	1200	48	1.33	1.74	1178	2,595	90%	●	⊙	
Maximum load with coupler (payload + bucket)								kg	3900	3525	4192
								lb	8,597	7,770	9,239
Maximum standard bucket width with coupler								mm	1372	1372	1676
								in	54	54	66

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 over the side 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)
- ⊖ 1500 kg/m³ (2,500 lb/yd³)
- 1200 kg/m³ (2,000 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.