324E
Hydraulic Excavator



Engine		
Engine Model	Cat® C7.1 ACERT™	
Net Power – SAE J1349/ISO 9249	142 kW	190 hp

Drive		
Maximum Travel Speed	5.3 km/h	3.3 mph
Maximum Drawbar Pull	227 kN	51,302 lbf
Weight		
Minimum Operating Weight	25 127 kg	55,395 lb
Maximum Operating Weight	29 479 kg	64,990 lb

Engine

Engine Model	Cat® C7.1 ACERT™	
Net Power – SAE J1349/ISO 9249	142 kW	190 hp
Gross Power – SAE J1995	152 kW	204 hp
Bore	105 mm	4.13 in
Stroke	135 mm	5.31 in
Displacement	7.01 L	428 in^3

Weights

Minimum Operating Weight*	25 127 kg	55,395 lb
Maximum Operating Weight**	29 479 kg	64,990 lb

*5.9 m (19'4") reach boom, R2.95CB1 (9'8") stick, 4.0 mt (4.4 t) counterweight, 1.33 m^3 (1.74 yd^3) bucket, 600 mm (24") TG shoes.
**SLR boom, 7.85 m (25'9") stick, 6.75 mt (7.4 t) counterweight, 0.6 m^3 (0.78 yd^3) bucket, 790 mm (31") shoes.

Hydraulic System

Main System – Maximum Flow (Total)	462 L/min	122 gal/min
Maximum Pressure – Equipment Heavy Lift	38 000 kPa	5,511 psi
Maximum Pressure – Equipment Normal	35 000 kPa	5,076 psi
Maximum Pressure – Travel	35 000 kPa	5,076 psi
Maximum Pressure – Swing	24 497 kPa	3,553 psi
Pilot System – Maximum Flow	23.1 L/min	6.1 gal/min
Pilot System – Maximum Pressure	3920 kPa	569 psi
Boom Cylinder – Bore	135 mm	5 in
Boom Cylinder – Stroke	1305 mm	51 in
Stick Cylinder – Bore	140 mm	6 in
Stick Cylinder – Stroke	1660 mm	65 in
CB1 Bucket Cylinder – Bore	130 mm	5 in
CB1 Bucket Cylinder – Stroke	1156 mm	46 in
DB Bucket Cylinder – Bore	150 mm	6 in
DB Bucket Cylinder – Stroke	1151 mm	45 in

Drive

Maximum Travel Speed	5.3 km/h	3.3 mph
Maximum Drawbar Pull	227 kN	51,302 lbf

Swing Mechanism

Swing Speed	9.2 rpm	
Swing Torque	73.4 kN·m	54,137 lb ft

Service Refill Capacities

Fuel Tank Capacity	520 L	137.37 gal
Cooling System	44 L	11.62 gal
Engine Oil (with filter)	22.5 L	5.94 gal
Swing Drive (each)	10 L	2.64 gal
Final Drive (each)	6 L	1.59 gal
Hydraulic System (including tank)	280 L	75.29 gal
Hydraulic Tank	155 L	40.95 gal

Track

Number of Shoes (each side)	
Long Undercarriage	51
Number of Track Rollers (each side)	
Long Undercarriage	8
Number of Carrier Rollers (each side)	
Long Undercarriage	2

Sound Performance

ISO 6396	
Operator Noise (Closed)	71 dB(A)
Operator Noise (Open)	76 dB(A)
ISO 6395	
Spectator Noise	104 dB(A)

- When properly installed and maintained, the cab offered by Caterpillar, when tested with doors and windows closed according to ANSI/SAE J1166 OCT98, meets OSHA and MSHA requirements for operator sound exposure limits in effect at time of manufacture.
- 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.

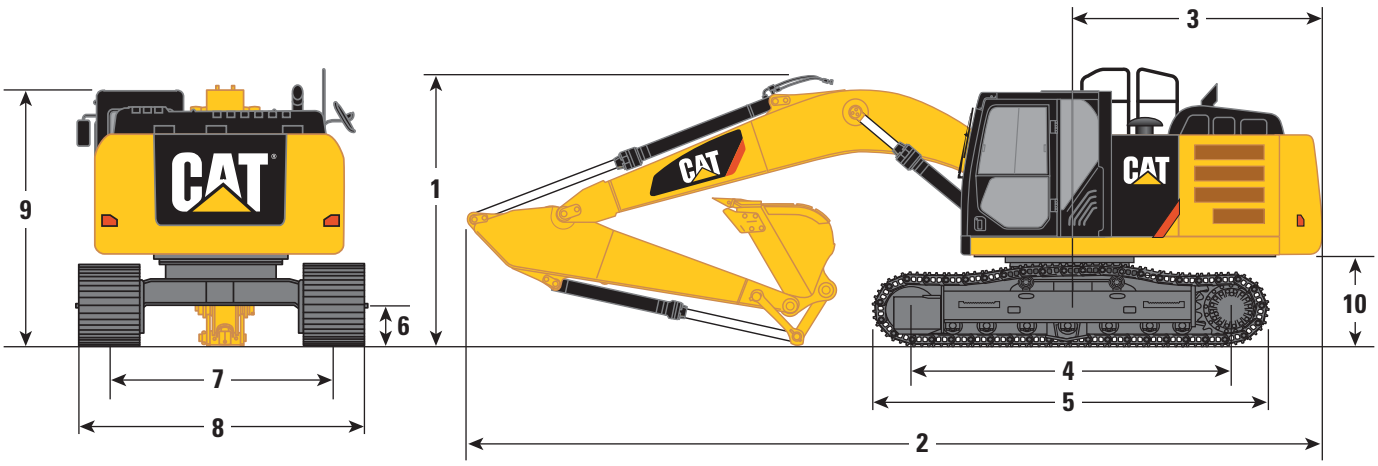
Standards

Brakes	ISO 10265 2008
Cab/FOGS	ISO 10262 1998

324E Hydraulic Excavator Specifications

Dimensions

All dimensions are approximate.



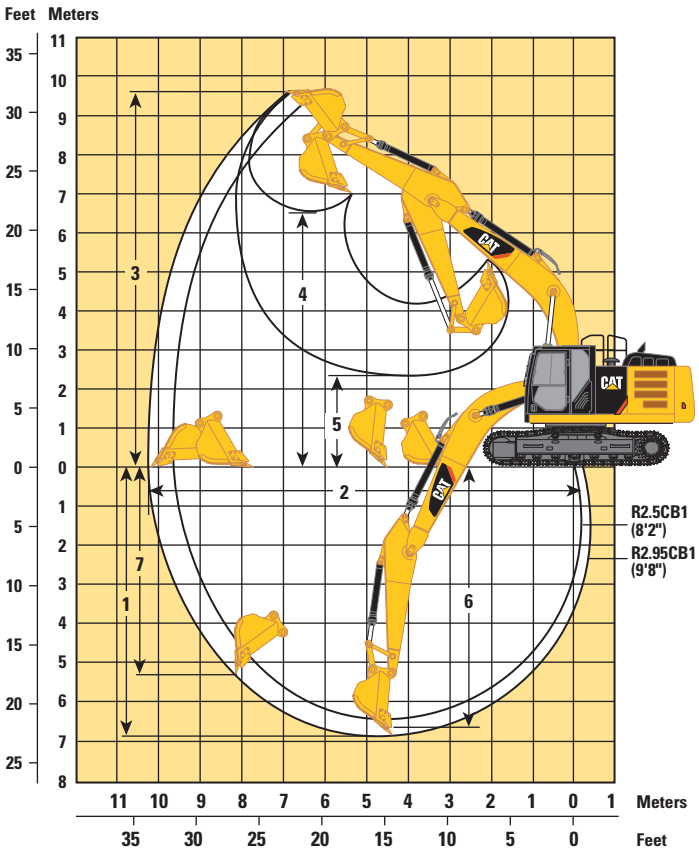
		HD Reach Booms 5.9 m (19'4")		Mass Boom 5.3 m (17'5")	Super Long Reach Boom 10.2 m (33'6")
	Stick	**R2.95CB1 (9'8")**	**R2.5CB1 (8'2")**	**M2.5DB (8'2")**	**Super Long Reach 7.85 m (25'9")**
		mm (ft)	**mm (ft)**	**mm (ft)**	**mm (ft)**
1	Shipping Height*	3221 (10'7")	3410 (11'2")	3500 (11'6")	3229 (10'7")
	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")

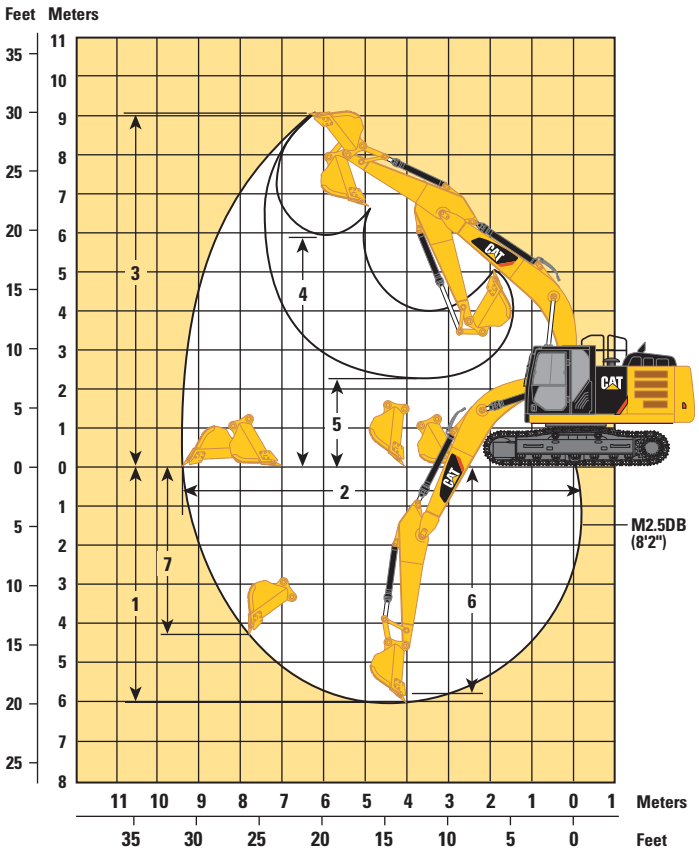
*Including shoe lug height.

**Without shoe lug height.

Working Ranges

All dimensions are approximate.

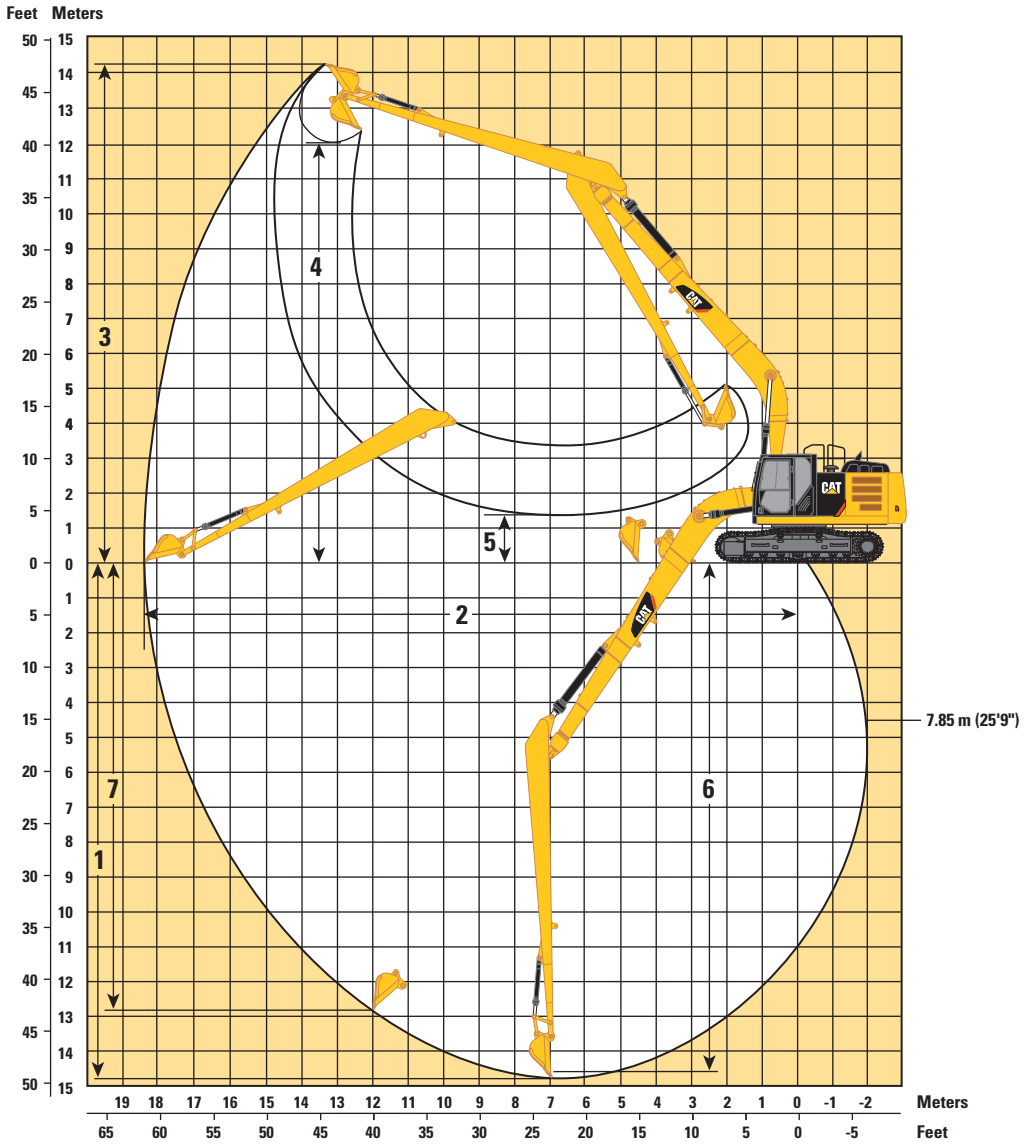




	HD Reach Booms 5.9 m (19'4")		Mass Boom 5.3 m (17'5")
Stick	**R2.95CB1 (9'8")**	**R2.5CB1 (8'2")**	**M2.5DB (8'2")**
	mm (ft)	**mm (ft)**	**mm (ft)**
1 Maximum Digging Depth	6810 (22'4")	6360 (20'10")	6000 (19'8")
2 Maximum Reach at Ground Level	10 110 (33'2")	9690 (31'9")	9200 (30'2")
3 Maximum Cutting 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")

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")

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 m^3 (1.74 yd^3)	1047	2,309
CB1 1350HD – 1.54 m^3 (2.01 yd^3)	1096	2,416
DB 1500GD – 1.87 m^3 (2.45 yd^3)	1227	2,705
A 1145DC – 0.6 m^3 (0.78 yd^3)	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.

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)	–	–

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")
Stick – R2.95CB1 (9'8")
Counterweight – 4.0 mt (4.4 t)
Shoes – 790 mm (31") triple grouser with step
Bucket – None
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")
Stick – R2.95CB1 (9'8")
Counterweight – 4.0 mt (4.4 t)
Shoes – 700 mm (28") triple grouser
Bucket – None
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**

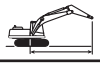
*Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories 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 Specifications

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")
Stick – R2.5CB1 (8'2")
Counterweight – 4.0 mt (4.4 t)
Shoes – 790 mm (31") triple grouser with step
Bucket – None
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 **21,100**	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")
Stick – R2.5CB1 (8'2")
Counterweight – 4.0 mt (4.4 t)
Shoes – 700 mm (28") triple grouser
Bucket – None
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.

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")
Stick – M2.5DB (8'2")
Counterweight – 4.0 mt (4.4 t)
Shoes – 790 mm (31") triple grouser with step
Bucket – None
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")
Stick – M2.5DB (8'2")
Counterweight – 4.0 mt (4.4 t)
Shoes – 700 mm (28") triple grouser
Bucket – None
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.

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324E Hydraulic Excavator Specifications

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 – 790 mm (31") triple grouser with step

Bucket – None
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**

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

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 – 790 mm (31") triple grouser with step
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**	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 Specifications

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

		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 **17,900**	*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**

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

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.

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

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.

Bucket Specifications and Compatibility

		Width		Capacity		Weight		Fill	Reach Boom (HD)		Super Long Reach	Mass Boom
	Linkage	mm	in	m^3	yd^3	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%	◉	⊖		
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/m^3 (3,500 lb/yd^3)
- ◉ 1800 kg/m^3 (3,000 lb/yd^3)
- ⊖ 1500 kg/m^3 (2,500 lb/yd^3)
- ○ 1200 kg/m^3 (2,000 lb/yd^3)

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 Specifications

Bucket Specifications and Compatibility

	Linkage	Width		Capacity		Weight		Fill	Reach Boom (HD)		Mass Boom
		mm	in	m^3	yd^3	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/m^3 (3,500 lb/yd^3)
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Standard Equipment

Standard equipment may vary. Consult your Cat dealer for details.

ENGINE

- C7.1 diesel engine
- Biodiesel capable
- Meets EPA Tier 4 (Interim) emission standards
- 2300 m (7,500') altitude capability
- Electric priming pump
- Automatic engine speed control
  – Standard, economy and high power modes
- Two-speed travel
- Side-by-side cooling system
- Radial seal air filter
- Primary filter with water separator and water separator indicator switch
- Fuel differential indicator switch in fuel line
- 1×4 micron main filters
- 1×10 micron primary fuel line filter

HYDRAULIC SYSTEM

- Regeneration circuit for boom and stick
- Reverse swing dampening valve
- Automatic swing parking brake
- High-performance hydraulic return filter
- Capability of installing HP stackable valve and medium and QC valve
- Capability of installing additional auxiliary pump and circuit
- Capability of installing boom lowering control device and stick lowering check valve
- Capability of installing Cat Bio hydraulic oil

CAB

- Pressurized operator station with positive filtration
- Mirror package
- Sliding upper door window (left-hand cab door)
- Glass-breaking safety hammer
- Removable lower windshield with in cab storage bracket
- Coat hook
- Beverage holder
- Literature holder
- Radio with MP3 auxiliary audio port
- Two stereo speakers
- Storage shelf suitable for lunch or toolbox
- Color LCD display with warning, filter/fluid change, and working hour information
- Adjustable armrest
- Height adjustable joystick consoles
- Neutral lever (lock out) for all controls
- Travel control pedals with removable hand levers
- Capability of installing two additional pedals
- Two power outlets, 10 amp (total)
- Laminated glass front upper window and tempered other windows

UNDERCARRIAGE

- Grease Lubricated Track GLT2, resin seal
- Towing eye on base frame

ELECTRICAL

- 80 amp alternator
- Circuit breaker
- Capability to electrically connect a beacon

LIGHTS

- Boom light with time delay
- Cab lights with time delay
- Exterior lights integrated into storage box

SECURITY

- Cat one key security system
- Door locks
- Cap locks on fuel and hydraulic tanks
- Lockable external tool/storage box
- Signaling/warning horn
- Secondary engine shutoff switch
- Openable skylight for emergency exit
- Rearview camera ready