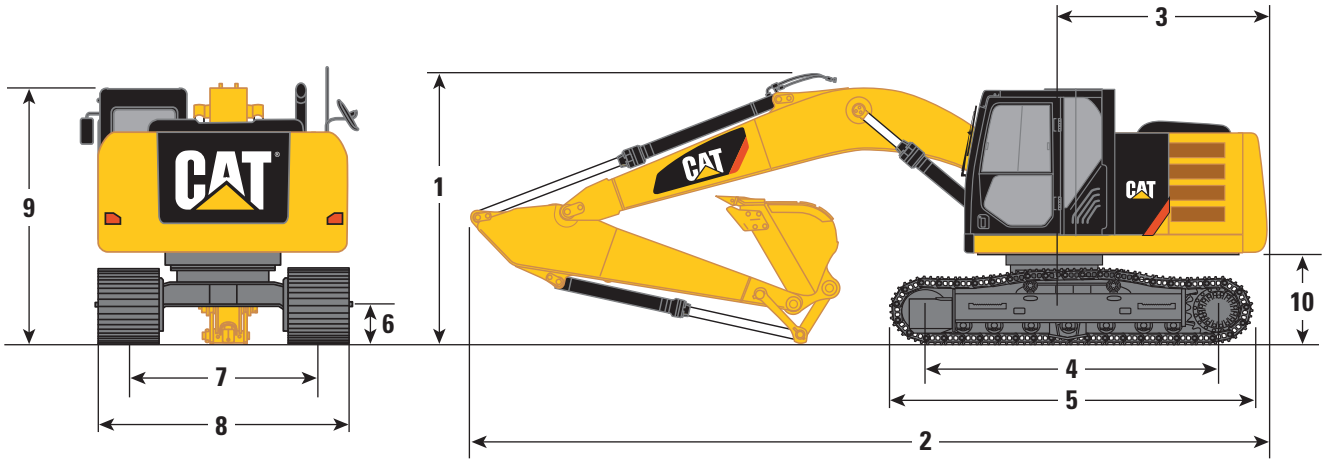
316E Hydraulic Excavator

Dimensions

All dimensions are approximate.



		Reach Booms 5.1 m (16'9")		
	Stick	**R3.1 (10'2")**	**R2.9 (9'6")**	**R2.6 (8'6")**
		mm (ft)	**mm (ft)**	**mm (ft)**
1	Shipping Height*	3370 (11'1")	3090 (10'2")	3090 (10'2")
	Shipping Height at Boom Top	3370 (11'1")	3080 (10'1")	3020 (9'11")
	Shipping Height with Guard Rail	3090 (10'2")	3090 (10'2")	3090 (10'2")
	Shipping Height with Top Guard	3100 (10'2")	3100 (10'2")	3100 (10'2")
2	Shipping Length	8570 (28'1")	8580 (28'2")	8570 (28'1")
3	Tail Swing Radius	2500 (8'2")	2500 (8'2")	2500 (8'2")
4	Length to Center of Rollers	3170 (10'5")	3170 (10'5")	3170 (10'5")
5	Track Length	3970 (13'0")	3970 (13'0")	3970 (13'0")
6	Ground Clearance	440 (1'5")	440 (1'5")	440 (1'5")
7	Track Gauge	1990 (6'6")	1990 (6'6")	1990 (6'6")
8	Transport Width			
	500 mm (20") Shoes	2520 (8'3")	2520 (8'3")	2520 (8'3")
	600 mm (24") Shoes	2590 (8'6")	2590 (8'6")	2590 (8'6")
	700 mm (28") Shoes	2690 (8'10")	2690 (8'10")	2690 (8'10")
9	Cab Height	2890 (9'6")	2890 (9'6")	2890 (9'6")
	Cab Height with Top Guard	3100 (10'2")	3100 (10'2")	3100 (10'2")
10	Counterweight Clearance**	1010 (3'4")	1010 (3'4")	1010 (3'4")

*Including shoe lug height.

**Without shoe lug height.

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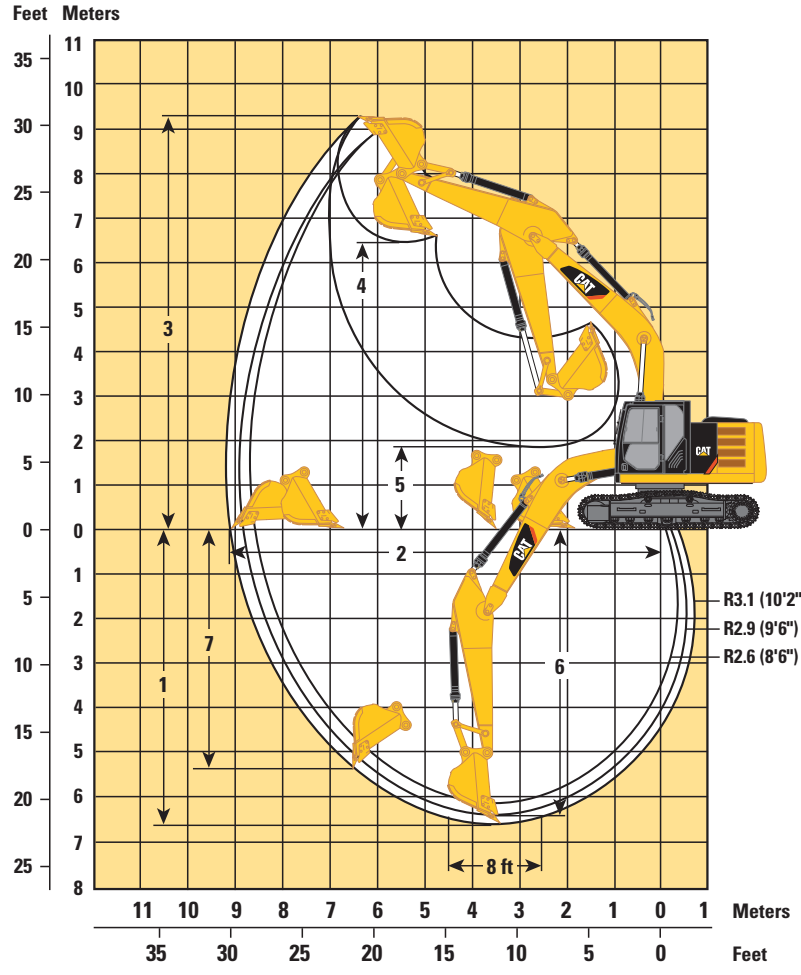
Working Ranges

All dimensions are approximate.



		Reach Booms 5.1 m (16'9")		
	Stick	R3.1 (10'2")	R2.9 (9'6")	R2.6 (8'6")
		mm (ft)	mm (ft)	mm (ft)
1	Maximum Digging Depth	6590 (21'7")	6390 (21'0")	6090 (20'0")
2	Maximum Reach at Ground Level	9260 (30'5")	8990 (29'6")	8780 (28'10")
3	Maximum Cutting Height	9210 (30'3")	8880 (29'2")	8920 (29'3")
4	Maximum Loading Height	6570 (21'7")	6270 (20'7")	6280 (20'7")
5	Minimum Loading Height	1810 (5'11")	2000 (6'7")	2300 (7'7")
6	Maximum Depth Cut for 2440 mm (8'0") Level Bottom	6400 (21'0")	6160 (20'3")	5870 (19'3")
7	Maximum Vertical Wall Digging Depth	5400 (17'9")	4910 (16'1")	4930 (16'2")

316E Hydraulic Excavator

Operating Weight and Ground Pressure

	700 mm (28") Triple Grouser Shoes		600 mm (24") Triple Grouser Shoes		500 mm (20") Triple Grouser Shoes	
	kg (lb)	kPa (psi)	kg (lb)	kPa (psi)	kg (lb)	kPa (psi)
Reach Boom – 5.1 m (16'9")						
R3.1 (10'2")	17 800 (39,242)	36 (5.22)	17 600 (38,801)	42 (6.09)	17 400 (38,367)	49 (7.1)
R2.9 (9'6")	17 800 (39,242)	36 (5.22)	17 600 (38,801)	42 (6.09)	17 400 (38,367)	49 (7.1)
R2.6 (8'6")	17 700 (39,022)	36 (5.22)	17 500 (38,581)	41 (5.95)	17 300 (38,147)	49 (7.1)

Major Component Weights

	kg	lb
Base Machine (with boom cylinder, without counterweight, front linkage and track)	5720	12,610
Long Undercarriage	3770	8,310
Counterweight 2.8 mt (3.1 t)	2800	6,170
Boom (includes lines, pins and stick cylinder)		
Reach Boom – 5.1 m (16'9")	1320	2,910
Reach Boom – 5.1 m (16'9") for CGC	1330	2,930
Stick (includes lines, pins, bucket cylinder, and bucket linkage)		
R3.1 (10'2")	930	2,050
R2.9 (9'6")	910	2,010
R2.6 (8'6")	840	1,850
Track Shoe (Long/per two tracks)		
500 mm (20") Triple Grouser	2190	4,830
600 mm (24") Triple Grouser	2420	5,340
700 mm (28") Triple Grouser	2650	5,840

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.

316E Hydraulic Excavator

Bucket and Stick Forces

	Reach Booms 5.1 m (16'9")		
Stick	**R3.1 (10'2")**	**R2.9 (9'6")**	**R2.6 (8'6")**
	kN (lbf)	**kN (lbf)**	**kN (lbf)**
General Duty			
Bucket Digging Force (SAE)	98 (22,000)	98 (22,000)	98 (22,000)
Stick Digging Force (SAE)	69 (15,500)	73 (16,400)	77 (17,300)
Severe Duty			
Bucket Digging Force (SAE)	96 (21,600)	96 (21,600)	96 (21,600)
Stick Digging Force (SAE)	69 (15,500)	72 (16,200)	77 (17,300)

316E Hydraulic Excavator

Reach Boom Lift Capacities

 Load Point Height  Load at Maximum Reach  Load Radius Over Front  Load Radius Over Side

Boom – 5.1 m (16'9") **Counterweight** – 2.8 mt (3.1 t) **Bucket** – None

Stick – R3.1 (10'2") **Shoes** – 700 mm (28") triple grouser

		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**											*2700 ***6,050**	*2700 ***6,050**	5.49 **17.57**
6.0 m **20.0 ft**	kg **lb**							*3650 ***7,850**	3450 **7,400**			*2450 ***5,350**	*2450 ***5,350**	6.76 **21.96**
4.5 m **15.0 ft**	kg **lb**							*3850 ***8,450**	3400 **7,250**	*2450	2350	*2350 ***5,150**	2300 **5,100**	7.52 **24.58**
3.0 m **10.0 ft**	kg **lb**			*7450 ***15,850**	*7450 ***15,850**	*5300 ***11,400**	4950 **10,700**	*4450 ***9,650**	3250 **6,950**	3650 ***7,500**	2300 **4,850**	*2400 ***5,250**	2050 **4,550**	7.93 **25.98**
1.5 m **5.0 ft**	kg **lb**			*7550 ***18,100**	*7550 **17,700**	*6700 ***14,450**	4600 **9,900**	5000 **10,750**	3050 **6,550**	3600 **7,700**	2200 **4,700**	*2550 ***5,550**	2000 **4,350**	8.03 **26.36**
Ground Line	kg **lb**			*6650 ***15,300**	*6650 ***15,300**	7500 **16,100**	4350 **9,300**	4850 **10,400**	2900 **6,250**	3500 **7,550**	2150 **4,600**	*2800 ***6,150**	2000 **4,400**	7.85 **25.77**
–1.5 m **–5.0 ft**	kg **lb**	*5050 ***11,250**	*5050 ***11,250**	*9300 ***21,150**	7700 **16,550**	7350 **15,800**	4200 **9,050**	4750 **10,250**	2850 **6,100**			*3350 ***7,350**	2150 **4,750**	7.36 **24.12**
–3.0 m **–10.0 ft**	kg **lb**	*8400 ***18,850**	*8400 ***18,850**	*11 350 ***24,500**	7800 **16,750**	7350 **15,800**	4200 **9,050**	4800 **10,300**	2850 **6,150**			4300 **9,500**	2600 **5,700**	6.49 **21.18**
–4.5 m **–15.0 ft**	kg **lb**			*9000 ***19,200**	8050 **17,300**	*6100 ***12,850**	4350 **9,450**					*5150 ***11,400**	3750 **8,500**	5.04 **16.24**

Boom – 5.1 m (16'9") **Counterweight** – 2.8 mt (3.1 t) **Bucket** – None

Stick – R2.9 (9'6") **Shoes** – 700 mm (28") triple grouser

		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**											*2950 ***6,500**	*2950 ***6,500**	5.08 **16.21**
6.0 m **20.0 ft**	kg **lb**							*3650 ***7,350**	3450 **7,350**			*2650 ***5,800**	*2650 ***5,800**	6.43 **20.89**
4.5 m **15.0 ft**	kg **lb**							*4050 ***8,850**	3350 **7,250**			*2550 ***5,650**	2500 **5,450**	7.23 **23.63**
3.0 m **10.0 ft**	kg **lb**			*8000 ***17,000**	*8000 ***17,000**	*5500 ***11,900**	4950 **10,600**	*4600 ***10,000**	3200 **6,900**	*3300 ***6,050**	2300 **4,850**	*2650 ***5,800**	2200 **4,850**	7.66 **25.09**
1.5 m **5.0 ft**	kg **lb**			*7100 ***17,000**	*7100 ***17,000**	*6900 ***14,900**	4550 **9,850**	5000 **10,750**	3050 **6,550**	3600 **7,700**	2200 **4,750**	*2850 ***6,250**	2100 **4,600**	7.77 **25.48**
Ground Line	kg **lb**			*7050 ***16,150**	*7050 ***16,150**	7500 **16,050**	4300 **9,300**	4850 **10,450**	2950 **6,300**	3500	2150	*3200 ***7,050**	2100 **4,650**	7.58 **24.87**
–1.5 m **–5.0 ft**	kg **lb**	*5700 ***12,750**	*5700 ***12,750**	*10 100 ***22,900**	7750 **16,600**	7350 **15,800**	4200 **9,100**	4800 **10,300**	2850 **6,150**			3800 **8,400**	2300 **5,100**	7.07 **23.16**
–3.0 m **–10.0 ft**	kg **lb**	*9300 ***20,850**	*9300 ***20,850**	*11 100 ***23,950**	7850 **16,800**	7400 **15,900**	4250 **9,150**	4800 **10,350**	2900 **6,250**			4650 **10,300**	2800 **6,200**	6.16 **20.07**
–4.5 m **–15.0 ft**	kg **lb**			*8550 ***18,150**	8100 **17,450**	*5700	4450					*5550 ***12,150**	4300 **9,800**	4.60 **14.75**

*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.

316E Hydraulic Excavator

Reach Boom Lift Capacities

 Load Point Height  Load at Maximum Reach  Load Radius Over Front  Load Radius Over Side

Boom – 5.1 m (16'9") **Counterweight** – 2.8 mt (3.1 t) **Bucket** – None

Stick – R2.6 (8'6") **Shoes** – 700 mm (28") triple grouser

		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**					 ***7,500***	 ***7,500***					*3250 ***7,300***	*3250 ***7,300***	4.76 **15.09**
6.0 m **20.0 ft**	kg **lb**							*3500 ***6,450***	3400 ***6,450***			*2850 ***6,350***	*2850 ***6,350***	6.18 **20.05**
4.5 m **15.0 ft**	kg **lb**					*4600 ***10,000***	*4600 ***10,000***	*4300 ***9,400***	3350 **7,200**			*2750 ***6,100***	2600 **5,750**	7.01 **22.89**
3.0 m **10.0 ft**	kg **lb**			*8850 ***18,850***	*8850 ***18,850***	*5900 ***12,650***	4900 **10,550**	*4800 ***10,450***	3200 **6,900**			*2800 ***6,200***	2300 **5,100**	7.44 **24.39**
1.5 m **5.0 ft**	kg **lb**					*7200 ***15,550***	4550 **9,800**	5000 **10,750**	3050 **6,600**	*3400	2250	*3000 ***6,600***	2200 **4,800**	7.56 **24.80**
Ground Line	kg **lb**			*6250 ***14,400***	*6250 ***14,400***	7500 **16,100**	4350 **9,350**	4900 **10,500**	2950 **6,350**			*3400 ***7,450***	2250 **4,900**	7.36 **24.16**
–1.5 m **–5.0 ft**	kg **lb**	*5750 ***12,800***	*5750 ***12,800***	*10 150 ***23,100***	7850 **16,850**	7450 **15,950**	4300 **9,200**	4800 **10,350**	2900 **6,250**			4050 **8,850**	2450 **5,400**	6.84 **22.40**
–3.0 m **–10.0 ft**	kg **lb**	*9950 ***22,400***	*9950 ***22,400***	*10 750 ***23,200***	8000 **17,100**	*7450 ***16,000***	4350 **9,300**					5000 **11,150**	3050 **6,750**	5.89 **19.19**
–4.5 m **–15.0 ft**	kg **lb**			*7750 ***16,300***	*7750 ***16,300***							*5400 ***11,900***	4950 **11,350**	4.23 **13.51**

Boom – 5.1 m (16'9") **Counterweight** – 2.8 mt (3.1 t) **Bucket** – None

Stick – R3.1 (10'2") **Shoes** – 600 mm (24") triple grouser

		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**											*2700 ***6,050***	*2700 ***6,050***	5.49 **17.57**
6.0 m **20.0 ft**	kg **lb**							*3650 ***7,850***	3400 **7,300**			*2450 ***5,350***	*2450 ***5,350***	6.76 **21.96**
4.5 m **15.0 ft**	kg **lb**							*3850 ***8,450***	3350 **7,150**	*2450	2300	*2350 ***5,150***	2300 **5,050**	7.52 **24.58**
3.0 m **10.0 ft**	kg **lb**			*7450 ***15,850***	*7450 ***15,850***	*5300 ***11,400***	4900 **10,550**	*4450 ***9,650***	3200 **6,850**	3600 ***7,500***	2250 **4,800**	*2400 ***5,250***	2050 **4,500**	7.93 **25.98**
1.5 m **5.0 ft**	kg **lb**			*7550 ***18,100***	*7550 **17,500**	*6700 ***14,450***	4550 **9,750**	4950 **10,600**	3000 **6,500**	3550 **7,550**	2150 **4,650**	*2550 ***5,550***	1950 **4,250**	8.03 **26.36**
Ground Line	kg **lb**			*6650 ***15,300***	*6650 ***15,300***	7400 **15,850**	4250 **9,200**	4800 **10,250**	2900 **6,200**	3450 **7,450**	2100 **4,500**	*2800 ***6,150***	1950 **4,300**	7.85 **25.77**
–1.5 m **–5.0 ft**	kg **lb**	*5050 ***11,250***	*5050 ***11,250***	*9300 ***21,150***	7600 **16,300**	7250 **15,550**	4150 **8,950**	4700 **10,100**	2800 **6,000**			*3350 ***7,350***	2150 **4,700**	7.36 **24.12**
–3.0 m **–10.0 ft**	kg **lb**	*8400 ***18,850***	*8400 ***18,850***	*11 350 ***24,500***	7700 **16,500**	7250 **15,600**	4150 **8,950**	4700 **10,150**	2800 **6,050**			4250 **9,350**	2550 **5,650**	6.49 **21.18**
–4.5 m **–15.0 ft**	kg **lb**			*9000 ***19,200***	7950 **17,100**	*6100 ***12,850***	4300 **9,300**					*5150 ***11,400***	3700 **8,400**	5.04 **16.24**

*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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316E Hydraulic Excavator

Reach Boom Lift Capacities

 Load Point Height  Load at Maximum Reach  Load Radius Over Front  Load Radius Over Side

Boom – 5.1 m (16'9") **Counterweight** – 2.8 mt (3.1 t) **Bucket** – None

Stick – R2.9 (9'6") **Shoes** – 600 mm (24") triple grouser

		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**											*2950 ***6,500**	*2950 ***6,500**	5.08 **16.21**
6.0 m **20.0 ft**	kg **lb**							*3650 ***7,350**	3400 **7,250**			*2650 ***5,800**	*2650 ***5,800**	6.43 **20.89**
4.5 m **15.0 ft**	kg **lb**							*4050 ***8,850**	3350 **7,150**			*2550 ***5,650**	2450 **5,400**	7.23 **23.63**
3.0 m **10.0 ft**	kg **lb**			*8000 ***17,000**	*8000 ***17,000**	*5500 ***11,900**	4900 **10,500**	*4600 ***10,000**	3200 **6,850**	*3300 ***6,050**	2250 **4,800**	*2650 ***5,800**	2150 **4,800**	7.66 **25.09**
1.5 m **5.0 ft**	kg **lb**			*7100 ***17,000**	*7100 ***17,000**	*6900 ***14,900**	4500 **9,700**	4950 **10,600**	3000 **6,500**	3550 **7,600**	2200 **4,650**	*2850 ***6,250**	2050 **4,550**	7.77 **25.48**
Ground Line	kg **lb**			*7050 ***16,150**	*7050 ***16,150**	7400 **15,850**	4250 **9,150**	4800 **10,300**	2900 **6,200**	3500	2100	*3200 ***7,050**	2100 **4,600**	7.58 **24.87**
–1.5 m **–5.0 ft**	kg **lb**	*5700 ***12,750**	*5700 ***12,750**	*10 100 ***22,900**	7650 **16,350**	7250 **15,600**	4150 **8,950**	4700 **10,150**	2800 **6,050**			3750 **8,250**	2300 **5,000**	7.07 **23.16**
–3.0 m **–10.0 ft**	kg **lb**	*9300 ***20,850**	*9300 ***20,850**	*11 100 ***23,950**	7750 **16,600**	7300 **15,650**	4200 **9,000**	4750 **10,250**	2850 **6,150**			4600 **10,200**	2750 **6,100**	6.16 **20.07**
–4.5 m **–15.0 ft**	kg **lb**			*8550 ***18,150**	8000 **17,250**	*5700	4400					*5550 ***12,150**	4250 **9,650**	4.60 **14.75**

Boom – 5.1 m (16'9") **Counterweight** – 2.8 mt (3.1 t) **Bucket** – None

Stick – R2.6 (8'6") **Shoes** – 600 mm (24") triple grouser

		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**					***7,500**	***7,500**					*3250 ***7,300**	*3250 ***7,300**	4.76 **15.09**
6.0 m **20.0 ft**	kg **lb**							*3500 ***6,450**	3350 ***6,450**			*2850 ***6,350**	*2850 ***6,350**	6.18 **20.05**
4.5 m **15.0 ft**	kg **lb**					*4600 ***10,000**	*4600 ***10,000**	*4300 ***9,400**	3300 **7,100**			*2750 ***6,100**	2550 **5,700**	7.01 **22.89**
3.0 m **10.0 ft**	kg **lb**			*8850 ***18,850**	*8850 ***18,850**	*5900 ***12,650**	4850 **10,400**	*4800 ***10,450**	3200 **6,850**			*2800 ***6,200**	2300 **5,000**	7.44 **24.39**
1.5 m **5.0 ft**	kg **lb**					*7200 ***15,550**	4500 **9,700**	4950 **10,600**	3050 **6,500**	*3400	2200	*3000 ***6,600**	2150 **4,750**	7.56 **24.80**
Ground Line	kg **lb**			*6250 ***14,400**	*6250 ***14,400**	7400 **15,900**	4300 **9,250**	4800 **10,350**	2900 **6,250**			*3400 ***7,450**	2200 **4,850**	7.36 **24.16**
–1.5 m **–5.0 ft**	kg **lb**	*5750 ***12,800**	*5750 ***12,800**	*10 150 ***23,100**	7750 **16,600**	7350 **15,700**	4200 **9,100**	4750 **10,250**	2850 **6,150**			3950 **8,750**	2400 **5,350**	6.84 **22.40**
–3.0 m **–10.0 ft**	kg **lb**	*9950 ***22,400**	*9950 ***22,400**	*10 750 ***23,200**	7850 **16,900**	7400 **15,850**	4250 **9,200**					4950 **11,000**	3000 **6,650**	5.89 **19.19**
–4.5 m **–15.0 ft**	kg **lb**			*7750 ***16,300**	*7750 ***16,300**							*5400 ***11,900**	4900 **11,200**	4.23 **13.51**

*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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316E Hydraulic Excavator

Work Tool Offering Guide*

Boom Type	Reach Boom		
Stick Size	**R3.1 (10'2")**	**R2.9 (9'6")**	**R2.6 (8'6")**
Hydraulic Hammer	H110Es H115Es H120Es	H110Es H115Es H120Es	H110Es H115Es H120Es
Pulverizer	P215	P215	P215
Mobile Scrap and Demolition Shear	S325B**	S325B**	S325B**
Compactor (Vibratory Plate)	CVP75	CVP75	CVP75
Contractors' Grapple	G115B	G115B	G115B
Trash Grapple	These work tools are available for the 316E. Consult your Cat dealer for proper match.		
Thumbs			
Center-Lock Pin Grabber Coupler			

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

**Boom-mount.

316E Hydraulic Excavator

Bucket Specifications and Compatibility

	Width		Capacity		Weight		Fill	Reach Booms			
	mm	in	m^3	yd^3	kg	lb	%	R2.6 (8'6")	R2.9 (9'6")	R3.1 (10'2")	R3.1 (10'2") Thumb*
Without Quick Coupler											
General Duty (GD)	600	24	0.35	0.46	445	980	100%	●	●	●	●
	750	30	0.49	0.64	502	1,106	100%	●	●	●	●
	900	36	0.62	0.81	548	1,208	100%	●	●	●	●
	1050	42	0.76	1.00	595	1,312	100%	●	◉	◉	⊖
	1200	48	0.91	1.19	672	1,480	100%	X	⊖	X	○
Severe Duty (SD)	600	24	0.35	0.46	496	1,093	90%	●	●	●	●
	750	30	0.49	0.64	564	1,243	90%	●	●	●	●
	900	36	0.62	0.81	644	1,420	90%	●	●	●	●
	1050	42	0.76	1.00	689	1,519	90%	●	●	◉	◉
	1200	48	0.91	1.19	762	1,678	90%	X	⊖	X	○
						Maximum load pin-on (payload + bucket)	kg	2205	2095	1945	1875
							lb	4,860	4,617	4,287	4,133
With Center Lock Quick Coupler											
General Duty (GD)	600	24	0.35	0.46	445	980	100%	●	●	●	●
	750	30	0.49	0.64	502	1,106	100%	●	●	●	●
	900	36	0.62	0.81	548	1,208	100%	●	◉	⊖	⊖
	1050	42	0.76	1.00	595	1,312	100%	⊖	⊖	○	○
	1200	48	0.91	1.19	672	1,480	100%	○	◇	◇	◇
Severe Duty (SD)	600	24	0.35	0.46	496	1,093	90%	●	●	●	●
	750	30	0.49	0.64	564	1,243	90%	●	●	●	●
	900	36	0.62	0.81	644	1,420	90%	●	◉	⊖	⊖
	1050	42	0.76	1.00	689	1,519	90%	⊖	⊖	○	○
	1200	48	0.91	1.19	762	1,678	90%	○	○	◇	◇
						Maximum load with coupler (payload + bucket)	kg	1815	1705	1555	1485
							lb	4,000	3,758	3,427	3,273

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)
- ◇ 900 kg/m^3 (1,500 lb/yd^3)
- X Not recommended

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 with front linkage fully extended at ground line with bucket curled.

Capacity based on ISO 7451.

Bucket weight with General Duty tips.

* Densities with 3.1 m (10'2") thumb stick does not consider thumb weight.

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.