

325C Hydraulic Excavator

Operating Weights

Caterpillar designed and built track-type undercarriage.

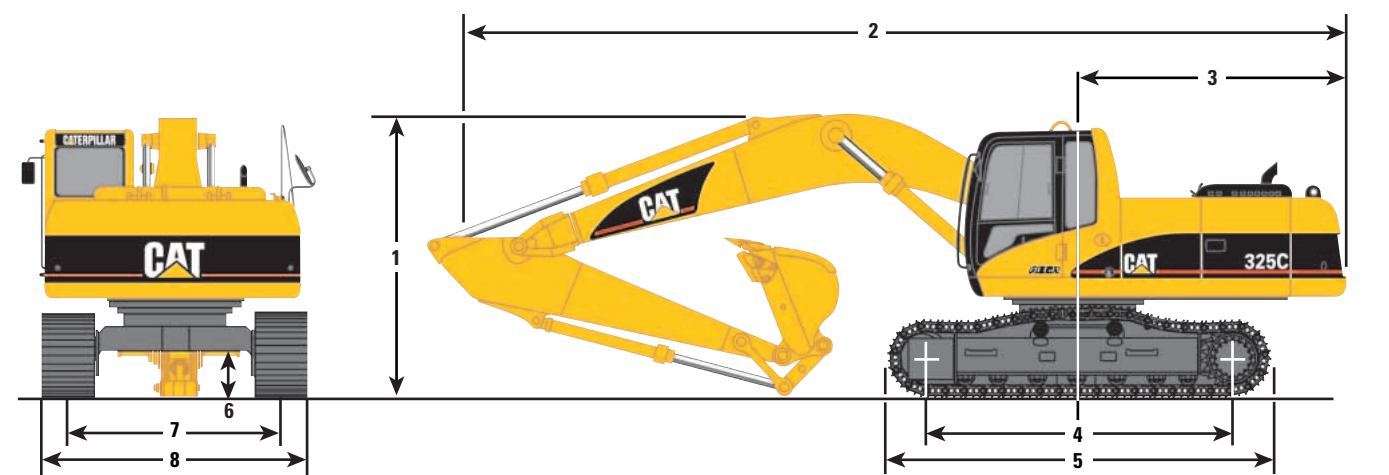
		Operating Weight		Operating Weight	
		325C with 600 mm (24") shoe		325C L with 800 mm (32") shoe	
Reach boom*	R3.2C	26 900 kg	(59,300 lb)	28 600 kg	(63,100 lb)
	R2.65C	26 900 kg	(59,300 lb)	28 700 kg	(63,200 lb)
Mass boom**	M2.5D	27 300 kg	(60,200 lb)	28 900 kg	(63,600 lb)

* with 1.2 m³ (1.57 yd³) bucket
** with 1.5 m³ (1.96 yd³) bucket

325C Hydraulic Excavator

Dimensions

All dimensions are approximate.

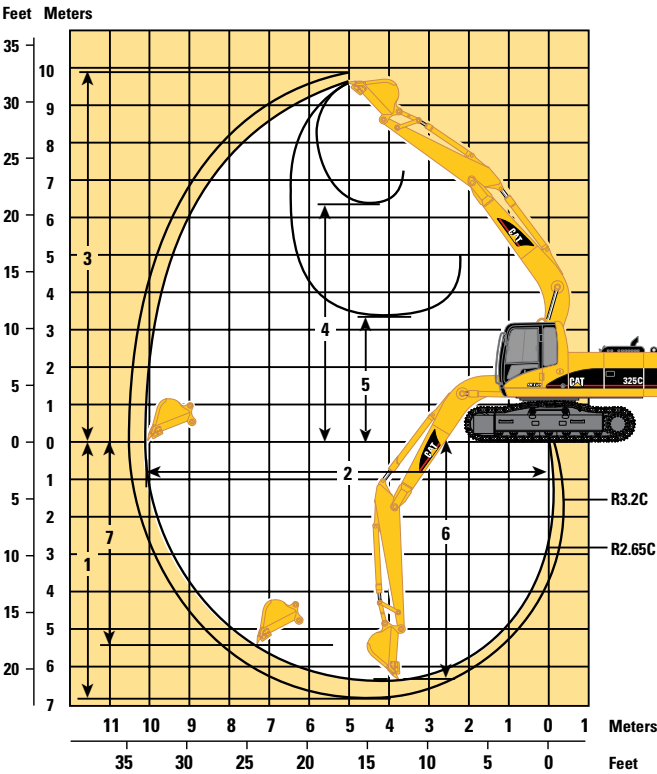


Boom Options	Reach — 6.15 m (20'2")	Reach — 6.15 m (20'2")	Mass — 5.55 m (18'2")
Stick Options	R3.2C m (10'6")	R2.65C m (8'8")	M2.5D m (8'2")
1 Shipping height	3320 mm (10'11")	3260 mm (10'8")	3400 mm (11'2")
2 Shipping length	10 340 mm (33'11")	10 340 mm (33'11")	9780 mm (32'1")
3 Tail swing radius	3050 mm (10'0")	3050 mm (10'0")	3050 mm (10'0")
4 Length to centers of rollers (tumbler)			
Standard undercarriage	3490 mm (11'5")	3490 mm (11'5")	3490 mm (11'5")
Long undercarriage	3800 mm (12'6")	3800 mm (12'6")	3800 mm (12'6")
5 Track length			
Standard undercarriage	4360 mm (14'4")	4360 mm (14'4")	4360 mm (14'4")
Long undercarriage	4660 mm (15'3")	4660 mm (15'3")	4660 mm (15'3")
6 Ground clearance	480 mm (1'7")	480 mm (1'7")	480 mm (1'7")
7 Track gauge			
Standard undercarriage	2390 mm (7'10")	2390 mm (7'10")	2390 mm (7'10")
Long undercarriage	2590 mm (8'6")	2590 mm (8'6")	2590 mm (8'6")
8 Shipping width — standard with standard shoe			
600 mm (24")	2990 mm (9'10")	2990 mm (9'10")	2990 mm (9'10")
Shipping width — standard with optional shoe			
700 mm (28")	3090 mm (10'2")	3090 mm (10'2")	3090 mm (10'2")
800 mm (32")	3190 mm (10'6")	3190 mm (10'6")	3190 mm (10'6")
Shipping width — long with standard shoe			
800 mm (32")	3390 mm (11'1")	3390 mm (11'1")	3390 mm (11'1")
Shipping width — long with optional shoe			
600 mm (24")	3190 mm (10'6")	3190 mm (10'6")	3190 mm (10'6")
700 mm (28")	3290 mm (10'10")	3290 mm (10'10")	3290 mm (10'10")

325C Hydraulic Excavator

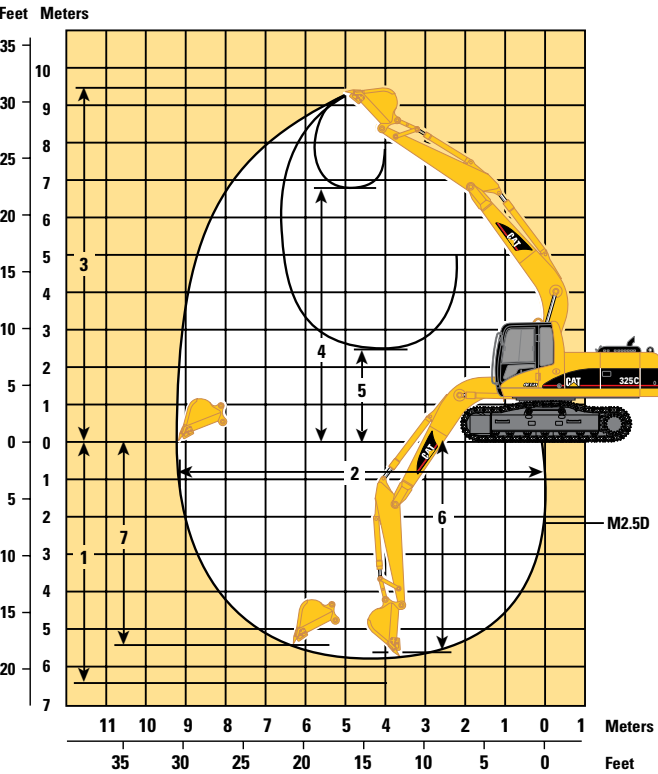
Reach Excavator Working Ranges

Reach (R) boom configuration



Mass Excavator Working Ranges

Mass (M) boom configuration



Boom Options	Reach — 6.15 m (20'2")	Reach — 6.15 m (20'2")	Mass — 5.55 m (18'2")
Stick Options	R3.2C m (10'6")	R2.65C m (8'8")	M2.5D m (8'2")
1 Maximum Digging Depth	7090 mm (23'3")	6540 mm (21'5")	6010 mm (19'9")
2 Maximum Reach at Ground Level	10 510 mm (34'6")	10 010 mm (32'10")	9340 mm (30'8")
3 Maximum Cutting Height	9950 mm (32'8")	9740 mm (31'11")	9230 mm (30'3")
4 Maximum Loading Height	7110 mm (23'4")	6890 mm (22'7")	6090 mm (20'0")
5 Minimum Loading Height	2450 mm (8'0")	3000 mm (9'10")	2560 mm (8'5")
6 Maximum Depth Cut for 2440 mm (8') Level Bottom	6920 mm (22'8")	6350 mm (20'10")	5820 mm (19'1")
7 Maximum Vertical Wall Digging Depth	6400 mm (21'0")	5840 mm (19'2")	5190 mm (17'0")
Bucket Digging Force (ISO)	179 kN (40,200 lb)	178 kN (40,000 lb)	213 kN (47,900 lb)
(SAE)	160 kN (36,000 lb)	159 kN (35,700 lb)	190 kN (42,700 lb)
Stick Digging Force (ISO)	127 kN (28,600 lb)	147 kN (33,000 lb)	152 kN (34,200 lb)
(SAE)	124 kN (27,900 lb)	143 kN (32,100 lb)	147 kN (33,000 lb)

Note: Measurements for standard (std) undercarriage.

325C Hydraulic Excavator

325C Bucket Specifications and Compatibility (600 mm, 24" triple grouser shoes)

	Capacity*		Width		Tip Radius		Weight (w/o tips)		Teeth	Reach 6.15 m		Mass 5.55 m
	m³	yd³	mm	in	mm	in	kg	lb	Qty	R3.2C	R2.65C	M2.5D
C-Buckets												
Excavation Buckets	1.1	1.44	1370	54	1488	59	831	1832	6	●	●	-
	1.2	1.57	1470	58	1487	59	860	1896	6	●	●	-
	1.3	1.70	1450	57	1517	60	1002	2209	6	◐	●	-
Mass Excavation Buckets	1.3	1.7	1440	57	1488	59	895	1973	6	●	●	-
	1.5	1.96	1590	63	1487	59	956	2108	6	◐	●	-
D-Buckets												
Excavation Buckets	1.4	1.8	1430	56	1660	65	1070	2359	5	-	-	●
	1.5	2.00	1500	59	1660	65	1115	2458	5	-	-	●
Mass Excavation Buckets	1.6	2.1	1520	60	1660	65	1265	2789	6	-	-	◐

325C L Bucket Specifications and Compatibility (800 mm, 32" triple grouser shoes)

	Capacity*		Width		Tip Radius		Weight (w/o tips)		Teeth	Reach 6.15 m		Mass 5.55 m
	m³	yd³	mm	in	mm	in	kg	lb	Qty	R3.2C	R2.65C	M2.5D
C-Buckets												
Excavation Buckets	1.1	1.44	1370	54	1488	59	831	1832	6	●	●	-
	1.2	1.57	1470	58	1487	59	860	1896	6	●	●	-
	1.3	1.70	1450	57	1517	60	1002	2209	6	●	●	-
Mass Excavation Buckets	1.3	1.7	1440	57	1488	59	895	1973	6	●	●	-
	1.5	1.96	1590	63	1487	59	956	2108	6	●	●	-
D-Buckets												
Excavation Buckets	1.4	1.8	1430	56	1660	65	1070	2359	5	-	-	●
	1.5	1.96	1500	59	1660	65	1115	2458	5	-	-	●
Mass Excavation Buckets	1.6	2.1	1520	60	1660	65	1265	2789	6	-	-	●

Assumptions for maximum material density rating:

- 1. Front linkage fully extended at ground line
- 2. Bucket curled
- 3. 100% bucket fill factor

* Based on SAE J296, some calculations of capacity specs fall on borderlines. Rounding may allow two buckets to have the same English rating, but different metric ratings.

- 2100 kg/m³ (3500 lbs/yd³)
- ◐ 1800 kg/m³ (3000 lbs/yd³)
- 1500 kg/m³ (2500 lbs/yd³)
- ∴ 1200 kg/m³ (2000 lbs/yd³)
- Not Available

325C Hydraulic Excavator

Reach Boom Lift Capacities



Load Point
Height



Load Radius
Over Front



Load Radius
Over Side



Load at
Maximum Reach

R2.65C STICK – 2650 mm (8'8")

BUCKET – C1.2 m³ (1.57 yd³)

UNDERCARRIAGE – Standard

SHOES – 600 mm (24") triple grouser

BOOM – 6150 mm (20'2")

		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									*3650 *8050	*3650 *8050	8.24 26.71
6.0 m 20.0 ft	kg lb					*15,150	13,950	6350 13,600	4350 9250	*3500 *7750	3100 6850	9.14 29.84
4.5 m 15.0 ft	kg lb					*8000 *17,250	6250 13,400	6250 13,400	4250 9050	*3550 *7750	2700 5950	9.66 31.65
3.0 m 10.0 ft	kg lb			*12 650 *27,200	9150 19,700	8750 18,850	5900 12,650	6100 13,050	4100 8750	*3650 *8050	2500 5500	9.88 32.40
1.5 m 5.0 ft	kg lb			13 350 28,650	8450 18,200	8400 18,050	5550 11,900	5900 12,650	3900 8400	3800 8400	2500 5450	9.81 32.21
Ground Line	kg lb			13 000 27,850	8150 17,500	8150 17,500	5300 11,400	5750 12,350	3800 8100	4000 8850	2600 5750	9.46 31.04
-1.5 m -5.0 ft	kg lb	*8900 *20,300	*8900 *20,300	12 950 27,700	8100 17,400	8050 17,300	5250 11,250	5700 12,250	3750 8050	4550 10,000	3000 6550	8.78 28.78
-3.0 m -10.0 ft	kg lb	*16 050 *36,550	*16 050 *36,550	13 100 28,050	8250 17,650	8100 17,450	5300 11,350			*5550 *12,100	3750 8350	7.69 25.08
-4.5 m -15.0 ft	kg lb	*15 900 *34,150	*15 900 *34,150	*11 750 *25,100	8500 18,350	*8300 *18,250	5550 12,150			*7850 *17,250	5350 12,000	6.16 19.96

* Limited by hydraulic capacity rather than tipping load. The above loads are in compliance with SAE hydraulic excavator lift capacity rating standard J1097.

They do not exceed 87% of hydraulic lifting capacity or 75% of tipping capacity. Weight of all lifting accessories must be deducted from the above lifting capacities.

R3.2C STICK – 3200 mm (10'6")

BUCKET – C1.1 m³ (1.44 yd³)

UNDERCARRIAGE – Standard

SHOES – 600 mm (24") triple grouser

BOOM – 6150 mm (20'2")

		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
7.5 m 25.0 ft	kg lb									*4700 *10,350	4500 9950			*2850 *6300	*2850 *6300	8.85 28.75
6.0 m 20.0 ft	kg lb									*6050 *13,300	4400 9450			*2750 *6100	*2750 *6100	9.68 31.63
4.5 m 15.0 ft	kg lb							*7300 *15,750	6350 13,650	6350 13,550	4300 9200	*4250 *9300	3000 6600	*2800 *6100	2450 5400	10.17 33.32
3.0 m 10.0 ft	kg lb					*11 550 *24,800	9400 20,250	*8700 *18,750	6000 12,850	6150 13,150	4150 8850	4450 9500	2950 6250	*2900 *6350	2300 5000	10.38 34.03
1.5 m 5.0 ft	kg lb					13 550 29,100	8600 18,550	8450 18,200	5600 12,050	5900 12,700	3950 8400	4350 9350	2850 6100	*3100 *6800	2250 4950	10.31 33.85
Ground Line	kg lb			*4600 *10,650	*4600 *10,650	13 050 27,950	8200 17,600	8150 17,550	5350 11,450	5750 12,350	3800 8100	4300 9200	2800 5950	*3450 *7600	2350 5150	9.98 32.75
-1.5 m -5.0 ft	kg lb	*5300 *11,850	*5300 *11,850	*8700 *19,750	*8700 *19,750	12 900 27,600	8050 17,300	8000 17,200	5200 11,150	5650 12,150	3700 7900			*4000 *8850	2650 5800	9.35 30.64
-3.0 m -10.0 ft	kg lb	*9650 *21,650	*9650 *21,650	*14 000 *31,800	*14 000 *31,800	12 950 27,750	8100 17,400	8000 17,250	5200 11,150	5700 12,200	3700 8000			4950 10 950	3250 7200	8.35 27.25
-4.5 m -15.0 ft	kg lb			*18 050 *38,900	16 800 35,950	*12,900 *27,700	8350 17,900	8200 17,600	5350 11,500					*4350 *9150	*4350 *9150	6.77 21.90

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325C Hydraulic Excavator

Reach Boom Lift Capacities



Load Point
Height



Load Radius
Over Front



Load Radius
Over Side



Load at
Maximum Reach

R2.65C STICK – 2650 mm (8'8")
BUCKET – C1.3 m³ (1.70 yd³)

UNDERCARRIAGE – Long
SHOES – 800 mm (32") triple grouser

BOOM – 6150 mm (20'2")

		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									*3600 *8000	*3600 *8000	8.25 26.77
6.0 m 20.0 ft	kg lb					*15,050	*15,050	*6550 14,300	5050 10,800	*3500 *7700	*3500 *7700	9.15 29.88
4.5 m 15.0 ft	kg lb					*7950 *17,150	7150 15,400	*7050 *15,300	4900 10,500	*3500 *7700	3150 6950	9.67 31.68
3.0 m 10.0 ft	kg lb			*12 600 *27,050	10 650 22,900	*9300 *20,050	6800 14,650	7200 15,450	4750 10,150	*3650 *8000	2950 6500	9.88 32.42
1.5 m 5.0 ft	kg lb			*14 850 *32,000	9900 21,300	10 050 21,550	6450 13,900	7000 15,050	4550 9800	*3900 *8550	2950 6450	9.81 32.21
Ground Line	kg lb			*15 700 33,900	9600 20,600	9750 21,000	6250 13,400	6900 14,750	4450 9550	*4350 *9550	3100 6800	9.46 31.03
-1.5 m -5.0 ft	kg lb	*8850 *20,150	*8850 *20,150	*15 500 *33,550	9550 20,500	9700 20,750	6150 13,200	6850 14,650	4400 9450	*5050 *11,150	3500 7750	8.78 28.74
-3.0 m -10.0 ft	kg lb	*15 900 *36,200	*15 900 *36,200	*14 300 *30,950	9650 20,800	9750 20,900	6200 13,300			*5400 *11,750	4400 9800	7.67 25.01
-4.5 m -15.0 ft	kg lb	*16 000 *34,300	*16 000 *34,300	*11 750 *25,150	10 000 21,450	*8350 *17,300	6450 13,900			*7800 *17,200	6150 13,850	6.19 20.06

* Limited by hydraulic capacity rather than tipping load. The above loads are in compliance with SAE hydraulic excavator lift capacity rating standard J1097. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping capacity. Weight of all lifting accessories must be deducted from the above lifting capacities.

R3.2C STICK – 3200 mm (10'6")
BUCKET – C1.2 m³ (1.57 yd³)

UNDERCARRIAGE – Long
SHOES – 800 mm (32") triple grouser

BOOM – 6150 mm (20'2")

		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
																
7.5 m 25.0 ft	kg lb									*4700 *10,300	*4700 *10,300			*2850 *6250	*2850 *6250	8.85 28.75
6.0 m 20.0 ft	kg lb									*6050 *13,250	5100 10,850			*2750 *6000	*2750 *6000	9.68 31.63
4.5 m 15.0 ft	kg lb							*7250 *15,700	*7250 15,650	*6550 *14,250	4950 10,650	*4200 *9250	3500 7700	*2750 *6050	*2750 *6050	10.17 33.32
3.0 m 10.0 ft	kg lb					*11 500 *24,750	10 900 23,450	*8650 *18,700	6900 14,800	7250 15,550	4800 10,250	5300 11,350	3450 7350	*2850 *6300	2700 5950	10.38 34.03
1.5 m 5.0 ft	kg lb					*14 100 *30,350	10 100 21,700	*10 050 21,700	6500 14,000	7050 15,100	4600 9850	5200 11,150	3350 7200	*3100 *6750	2700 5850	10.31 33.85
Ground Line	kg lb			*4600 *10,600	*4600 *10,600	*15 450 *33,400	9650 20,700	9800 21,000	6250 13,400	6850 14,750	4450 9500	5150 11,000	3300 7050	*3450 *7550	2800 6150	9.98 32.75
-1.5 m -5.0 ft	kg lb	*5250 *11,800	*5250 *11,800	*8700 *19,700	*8700 *19,700	*15 650 *33,650	9500 20,350	9650 20,650	6100 13,100	6800 14,550	4350 9300			*4000 *8800	3100 6850	9.35 30.64
-3.0 m -10.0 ft	kg lb	*9650 *21,600	*9650 *21,600	*14 000 *31,750	*14 000 *31,750	*14 850 *32,150	9550 20,500	9650 20,700	6100 13,100	6800 14,600	4350 9400			*5000 *11,050	3800 8450	8.34 27.25
-4.5 m -15.0 ft	kg lb			*18 050 *38,800	*18 050 *38,800	*12 900 *27,650	9800 21,000	*9450 *20,100	6250 13,450					*4300 *9100	*4300 *9100	6.77 21.89

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325C Hydraulic Excavator

Mass Boom Lift Capacities



Load Point
Height



Load Radius
Over Front



Load Radius
Over Side



Load at
Maximum Reach

M2.5D STICK – 2500 mm (8'2")
BUCKET – D1.5 m³ (1.96 yd³)

UNDERCARRIAGE – Standard
SHOES – 600 mm (24") triple grouser

BOOM – 2500 mm (8'2")

		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											*3950 *8700	*3950 *8700	7.30 23.57
6.0 m 20.0 ft	kg lb							*7350 *16,150	6250 13,300			*3800 *8300	3450 7700	8.35 27.22
4.5 m 15.0 ft	kg lb							*8150 *17,650	6050 12,950	5950 12,700	3950 8400	*3800 *8350	2900 6400	8.94 29.26
3.0 m 10.0 ft	kg lb					*12 300 *26,500	9200 19,800	8650 18,600	5750 12,300	5850 12,500	3850 8200	*4000 *8800	2650 5850	9.18 30.10
1.5 m 5.0 ft	kg lb					13 450 28,800	8450 18,200	8300 17,800	5400 11,600	5700 12,200	3700 7900	4100 9050	2600 5750	9.10 29.88
Ground Line	kg lb					13 000 27,850	8100 17,350	8050 17,250	5200 11,100	5600 12,000	3600 7700	4400 9650	2800 6150	8.71 28.57
-1.5 m -5.0 ft	kg lb	*18,950	*18,950	*14 150 *32,250	*14 150 *32,250	12 900 27,650	8000 17,200	7950 17,050	5100 10,950			5150 11,350	3300 7300	7.94 26.00
-3.0 m -10.0 ft	kg lb			*19 050 *41,200	16 550 35,400	13 100 28,050	8150 17,550	8050 17,350	5200 11,200			*5150 *11,050	4600 10,250	6.65 21.65
-4.5 m -15.0 ft	kg lb					*9350 *20,550	8600 18,950					*8300 *20,250	7650 19,500	4.86 14.53

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M2.5D STICK – 2500 mm (8'2")
BUCKET – D1.6 m³ (2.09 yd³)

UNDERCARRIAGE – Long
SHOES – 800 mm (32") triple grouser

BOOM – 5500 mm (18'3")

		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											*3900 *8650	*3900 *8650	7.32 23.65
6.0 m 20.0 ft	kg lb							*7200 *15,700	7200 15,450			*3750 *8250	*3750 *8250	8.37 27.28
4.5 m 15.0 ft	kg lb							*8100 *17,550	7000 14,950	7100 *14,250	4650 9900	*3800 *8300	3400 7500	8.95 29.31
3.0 m 10.0 ft	kg lb					*12 250 *26,350	10 700 23,000	*9300 *20,100	6650 14,300	6950 14,900	4500 9600	*4000 *8750	3150 6900	9.19 30.13
1.5 m 5.0 ft	kg lb					*14 550 *31,350	9950 21,350	9950 21,300	6300 13,550	6800 14,600	4350 9300	*4350 *9550	3100 6850	9.11 29.89
Ground Line	kg lb					*15 500 *33,550	9550 20,500	9650 20,750	6100 13,050	6700 14,350	4250 9100	*4950 *10,900	3350 7300	8.71 28.57
-1.5 m -5.0 ft	kg lb	*18,650	*18,650	*14 000 *31,900	*14 000 *31,900	*15 200 *32,950	9450 20,300	9600 20,550	6000 12,900			*6050 *13,350	3900 8650	7.93 25.97
-3.0 m -10.0 ft	kg lb			*19 100 *41,350	*19 100 *41,350	*13 550 *29,200	9600 20,650	9700 *20,700	6100 13,150			*5650 *12,400	5350 11,950	6.66 21.67
-4.5 m -15.0 ft	kg lb					*9400 *19,500	*9400 *19,500					*8250 *19,150	*8250 *19,150	4.90 15.18

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