

Main Boom Lift Capacity Charts – Imperial

Fully Extended Outriggers – 360° Rotation (All Capacities Are Listed In Pounds)										
Radius (ft)	Boom Length (ft)									Radius (ft)
	35.5	40	50	60/60.3	70	80	90	100	110	
10	100,000	78,400	72,600							10
12	73,900	73,100	65,600	50,900	37,900					12
15	63,200	63,000	57,500	46,900	37,900	35,400				15
20	50,300	50,100	47,600	39,200	37,900	34,700	28,900			20
25	39,000	38,900	38,500	37,900	37,900	34,200	28,200	24,000	19,500	25
30		31,300	31,900	32,300	32,500	30,300	24,800	22,500	19,500	30
35			26,100	26,500	26,700	26,900	22,000	19,900	18,300	35
40			20,800	21,200	21,400	21,500	19,700	17,800	16,400	40
45				17,100	17,300	17,400	17,500	15,900	14,600	45
50				13,900	14,200	14,300	14,400	14,400	13,200	50
55					11,900	12,100	12,200	12,200	12,100	55
60					10,000	10,200	10,300	10,300	10,400	60
65						8,600	8,700	8,800	8,900	65
70						7,300	7,500	7,500	7,600	70
75							6,400	6,500	6,500	75
80							5,400	5,500	5,600	80
85								4,700	4,800	85
90								4,000	4,100	90
95									3,500	95
100									2,900	100

This information is not for crane operation. Operator must refer to the in-cab information for crane operation. Rated lifting capacities shown on fully extended outriggers do not exceed 85% of the tipping loads and on tires do not exceed 75% of the tipping loads.

On Tires – Stationary – Boom Centered Over Front Between Tire Tracks (All Capacities Are Listed In Pounds)						
Radius (ft)	Boom Length (ft)					Radius (ft)
	35.5	40	50	60	70	
10	47,300	47,100				10
12	41,600	41,400				12
15	35,100	35,000	35,800			15
20	27,400	27,300	28,200	28,500		20
25	21,900	21,700	22,900	23,200	23,400	25
30		16,100	16,700	17,100	17,200	30
35			12,600	12,900	13,100	35
40			9,700	10,100	10,300	40
45				7,900	8,200	45
50				6,300	6,500	50
55					5,200	55
60					4,200	60

On Tires – Pick & Carry (Creep) – Boom Centered Over Front (All Capacities Are Listed In Pounds)						
Radius (ft)	Boom Length (ft)					Radius (ft)
	35.5	40	50	60	70	
10	44,100	43,900				10
12	38,400	38,200				12
15	31,800	32,000	32,400			15
20	24,000	24,300	24,700	25,000		20
25	18,600	19,000	19,500	19,800	19,900	25
30		15,100	15,600	15,900	16,100	30
35			12,600	12,900	13,100	35
40			9,700	10,100	10,300	40
45				7,900	8,200	45
50				6,300	6,500	50
55					5,200	55
60					4,200	60

On Tires – Stationary – 360° Rotation (All Capacities Are Listed In Pounds)						
Radius (ft)	Boom Length (ft)					Radius (ft)
	35.5	40	50	60	70	
10	37,200	37,400				10
12	31,100	31,400				12
15	24,000	24,400	24,900			15
20	14,500	14,800	15,400	15,700		20
25	9,400	9,800	10,300	10,700	10,900	25
30		6,600	7,100	7,500	7,700	30
35			5,000	5,300	5,500	35
40			3,400	3,700	3,900	40
45				2,500	2,700	45

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Fly Attachment Lift Capacity Charts – Optional

Fully Extended Outriggers – 360° Rotation (All Capacities Are Listed In Pounds)								
110 ft Main Boom Length 2° Fly Offset			110 ft Main Boom Length 20° Fly Offset			110 ft Main Boom Length 40° Fly Offset		
Radius (ft)	Fly Length (ft)		Radius (ft)	Fly Length (ft)		Radius (ft)	Fly Length (ft)	
	28.5	51		28.5	51		28.5	51
35	9,400		45	9,500		50	7,500	
40	9,400		50	9,100		55	7,300	
45	9,400	6,200	55	8,400		60	7,100	
50	9,400	6,200	60	7,800	4,800	65	6,900	
55	9,200	6,200	65	7,300	4,600	70	6,500	
60	8,500	6,200	70	6,800	4,400	75	6,100	3,400
65	7,900	6,000	75	6,400	4,300	80	5,800	3,400
70	7,300	5,700	80	6,000	4,100	85	5,500	3,300
75	6,800	5,300	85	5,700	4,000	90	5,200	3,200
80	6,200	4,900	90	5,000	3,800	95	4,600	3,200
85	5,300	4,600	95	4,300	3,700	100	3,900	3,100
90	4,600	4,300	100	3,700	3,500	105	3,300	3,100
95	4,000	4,000	105	3,200	3,300	110	2,800	3,000
100	3,500	3,800	110	2,700	3,200	115		2,900
105	3,000	3,500	115	2,300	3,000	120		2,800
110	2,500	3,000	120		2,600	125		2,400
115	2,100	2,600	125		2,200	130		2,000
120		2,200	130		1,900			

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Main Boom Lift Capacity Charts – 75% – Metric

Fully Extended Outriggers – 360° Rotation (All Capacities Are Listed In Kilograms)										
Radius (m)	Boom Length (m)									Radius (m)
	10.82	12.2	15.2	18.3/18.38	21.3	24.4	27.4	30.5	33.53	
2.5	50 000									2.5
3.0	45 350	35 550	33 250							3.0
3.5	34 550	34 050	30 550							3.5
4.0	31 550	31 350	28 350	23 050	17 150					4.0
4.5	29 000	28 900	26 350	21 450	17 150					4.5
5.0	26 750	26 700	24 650	20 200	17 150	16 050				5.0
6.0	23 100	23 050	21 850	17 950	17 150	15 700	13 100			6.0
7.0	19 650	19 600	19 450	17 150	17 150	15 700	13 100	10 850		7.0
8.0	16 650	16 850	17 100	17 150	16 600	15 050	12 400	10 850	8 800	8.0
9.0	13 000	14 400	14 700	14 800	14 900	13 850	11 400	10 300	8 800	9.0
10.0		11 700	12 050	12 150	12 200	12 250	10 500	9 500	8 750	10.0
12.0			8 550	8 700	8 800	8 850	8 900	8 200	7 550	12.0
14.0				6 550	6 650	6 700	6 750	6 750	6 500	14.0
16.0				5 050	5 200	5 250	5 300	5 350	5 350	16.0
18.0					4 100	4 200	4 250	4 250	4 300	18.0
20.0						3 350	3 400	3 450	3 450	20.0
22.0							2 700	2 800	2 850	22.0
24.0								2 250	2 300	24.0
26.0									1 850	26.0
28.0									1 500	28.0
30.0									1 250	30.0

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On Tires — Stationary — Boom Centered Over Front Between Tire Tracks (All Capacities Are Listed In Kilograms)						
Radius (m)	Boom Length (m)					Radius (m)
	10.82	12.2	15.2	18.3	21.3	
3	21 700					3
3.5	19 500	19 400				3.5
4	17 650	17 600				4
4.5	16 150	16 250	16 450			4.5
5	14 800	14 950	15 150			5
6	12 650	12 750	12 950	13 100		6
7	10 150	10 300	10 550	10 650	9 900	7
8	7 900	8 100	8 350	8 450	8 500	8
9	6 300	6 500	6 750	6 900	6 950	9
10		5 350	5 600	5 750	5 800	10
12			3 950	4 100	4 200	12
14				3 000	3 050	14
16				2 200	2 300	16
18					1 700	18

On Tires — Pick & Carry (Creep) — Boom Centered Over Front (All Capacities Are Listed In Kilograms)						
Radius (m)	Boom Length (m)					Radius (m)
	10.82	12.2	15.2	18.3	21.3	
3	20 250					3
3.5	18 000	17 950				3.5
4	16 200	16 300				4
4.5	14 600	14 750	14 900			4.5
5	13 250	13 400	13 550			5
6	11 050	11 200	11 400	11 500		6
7	9 350	9 500	9 700	9 850	9 900	7
8	7 900	8 100	8 350	8 450	8 500	8
9	6 300	6 500	6 750	6 900	6 950	9
10		5 350	5 600	5 750	5 800	10
12			3 950	4 100	4 200	12
14				3 000	3 050	14
16				2 200	2 300	16
18					1 700	18

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On Tires – Stationary – 360° Rotation (All Capacities Are Listed In Kilograms)						
Radius (m)	Boom Length (m)					Radius (m)
	10.82	12.2	15.2	18.3	21.3	
3	17 100					3
3.5	14 750	14 900				3.5
4	11 850	12 000				4
4.5	9 700	9 850	10 050			4.5
5	8 100	8 250	8 450			5
6	5 850	6 000	6 200	6 350		6
7	4 400	4 550	4 750	4 900	4 950	7
8	3 300	3 450	3 700	3 800	3 900	8
9	2 500	2 650	2 900	3 050	3 100	9
10		2 050	2 300	2 400	2 500	10
12			1 400	1 500	1 600	12
14					1 000	14

Fly Attachment Lift Capacity Charts – Optional – 75% (Metric)

Fully Extended Outriggers – 360° Rotation (All Capacities Are Listed In Kilograms)								
33.53m Main Boom Length 2° Fly Offset			33.53m Main Boom Length 20° Fly Offset			33.53m Main Boom Length 40° Fly Offset		
Radius (m)	Fly Length (m)		Radius (m)	Fly Length (m)		Radius (m)	Fly Length (m)	
	8.69	15.54		8.69	15.54		8.69	15.54
12	4 250		14	4 250		16	3 350	
14	4 250	2 800	16	4 000		18	3 250	
16	4 250	2 800	18	3 600	2 200	20	3 100	
18	3 900	2 800	20	3 300	2 100	22	2 850	1 600
20	3 550	2 700	22	3 000	1 950	24	2 650	1 550
22	3 050	2 500	24	2 750	1 850	26	2 400	1 500
24	2 550	2 250	26	2 300	1 800	28	2 000	1 450
26	2 100	2 050	28	1 900	1 700	30	1 650	1 400
28	1 750	1 900	30	1 550	1 650	32	1 350	1 400
30	1 450	1 650	32	1 250	1 500	34	1 050	1 350
32	1 150	1 350	34	1 000	1 300	36		1 200
34	950	1 150	36	800	1 100	38		950
36		950	38		900	40		750

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Main Boom Lift Capacity Charts – 85% – Metric

Fully Extended Outriggers – 360° Rotation (All Capacities Are Listed In Kilograms)											
Radius (m)	Boom Length (m)										Radius (m)
	10.82	12.2	15.2	18.3	18.38	21.3	24.4	27.4	30.5	33.53	
2.5	50 000										2.5
3	45 350	35 550	33 250								3
3.5	34 550	34 050	30 550								3.5
4	31 550	31 400	28 350	17 150	23 050	17 150					4
4.5	29 000	28 900	26 400	17 150	21 500	17 150					4.5
5	26 750	26 700	24 650	17 150	20 200	17 150	16 050				5
6	23 100	23 050	21 850	17 150	17 950	17 150	15 700	13 100			6
7	19 650	19 600	19 400	17 150	16 150	17 150	15 700	13 100	10 850		7
8	16 650	16 850	17 100	17 150	14 500	16 600	15 100	12 400	10 850	8 800	8
9	13 000	14 500	14 800	14 950	13 200	15 050	13 900	11 400	10 300	8 800	9
10		12 600	12 900	13 100	12 100	13 200	12 950	10 550	9 550	8 750	10
12			9 700	9 900	8 850	10 000	10 050	9 100	8 200	7 550	12
14				7 450	6 450	7 550	7 600	7 650	7 100	6 500	14
16				5 750	4 800	5 900	5 950	6 000	6 000	5 750	16
18						4 650	4 750	4 800	4 850	4 850	18
20							3 800	3 900	3 900	3 950	20
22							3 100	3 150	3 200	3 200	22
24								2 550	2 600	2 650	24
26									2 100	2 150	26
28									1 700	1 750	28
30										1 400	30
32											32

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On Tires – Stationary – Boom Centered Over Front Between Tire Tracks (All Capacities Are Listed In Kilograms)							
Radius (m)	Boom Length (m)						Radius (m)
	10.82	12.2	15.2	18.3	18.38	21.3	
3	21 700						3
3.5	19 500	19 400					3.5
4	17 650	17 550					4
4.5	16 150	16 250	16 450				4.5
5	14 800	14 950	15 100				5
6	12 650	12 750	12 950	13 100	12 350		6
7	10 900	11 100	11 300	11 400	10 650	11 500	7
8	9 150	9 350	9 600	9 750	8 800	9 800	8
9	7 300	7 500	7 800	7 950	7 050	8 000	9
10		6 150	6 450	6 600	5 750	6 700	10
12			4 550	4 700	3 900	4 850	12
14				3 450	2 650	3 550	14
16				2 550	1 750	2 650	16
18						1 950	18

On Tires – Pick & Carry (Creep) – Boom Centered Over Front (All Capacities Are Listed In Kilograms)							
Radius (m)	Boom Length (m)						Radius (m)
	10.82	12.2	15.2	18.3	18.38	21.3	
3	20 250						3
3.5	18 000	17 950					3.5
4	16 200	16 300					4
4.5	14 600	14 750	14 900				4.5
5	13 250	13 400	13 550				5
6	11 050	11 200	11 400	11 500	10 800		6
7	9 350	9 500	9 700	9 850	9 100	9 900	7
8	7 950	8 100	8 350	8 450	7 750	8 550	8
9	6 800	7 000	7 200	7 350	6 600	7 450	9
10		6 050	6 300	6 450	5 700	6 500	10
12			4 550	4 700	3 900	4 850	12
14				3 450	2 650	3 550	14
16				2 550	1 750	2 650	16
18						1 950	18

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On Tires – Stationary – 360° Rotation (All Capacities Are Listed In Kilograms)							
Radius (m)	Boom Length (m)						Radius (m)
	10.82	12.2	15.2	18.3	18.38	21.3	
3	17 100						3
3.5	14 750	14 900					3.5
4	12 850	13 000					4
4.5	11 200	11 350	11 600				4.5
5	9 350	9 500	9 750				5
6	6 750	6 900	7 200	7 300	6 450		6
7	5 050	5 250	5 500	5 650	4 800	5 750	7
8	3 850	4 000	4 250	4 400	3 600	4 500	8
9	2 900	3 100	3 350	3 500	2 700	3 600	9
10		2 350	2 650	2 800	2 050	2 900	10
12			1 600	1 750		1 850	12
14						1 150	14

Fly Attachment Lift Capacity Charts – Optional – 85% (Metric)

Fully Extended Outriggers – 360° Rotation (All Capacities Are Listed In Kilograms)								
33.53m Main Boom Length 2° Fly Offset			33.53m Main Boom Length 20° Fly Offset			33.53m Main Boom Length 40° Fly Offset		
Radius (m)	Fly Length (m)		Radius (m)	Fly Length (m)		Radius (m)	Fly Length (m)	
	8.69	15.54		8.69	15.54		8.69	15.54
12	4 250		12			12		
14	4 250	2 800	14	4 300		14		
16	4 250	2 800	16	4 000		16	3 350	
18	3 900	2 800	18	3 600	2 200	18	3 250	
20	3 550	2 700	20	3 300	2 100	20	3 100	
22	3 250	2 500	22	3 000	1 950	22	2 850	1 600
24	2 900	2 250	24	2 800	1 850	24	2 650	1 550
26	2 400	2 100	26	2 600	1 800	26	2 500	1 500
28	2 000	1 900	28	2 150	1 700	28	2 250	1 450
30	1 650	1 750	30	1 800	1 650	30	1 850	1 400
32	1 350	1 550	32	1 450	1 500	32	1 500	1 400
34	1 100	1 300	34	1 150	1 400	34	1 200	1 350
36	850	1 050	36	900	1 250	36		1 300
38		850	38		1 000	38		1 100
40			40		800	40		850

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