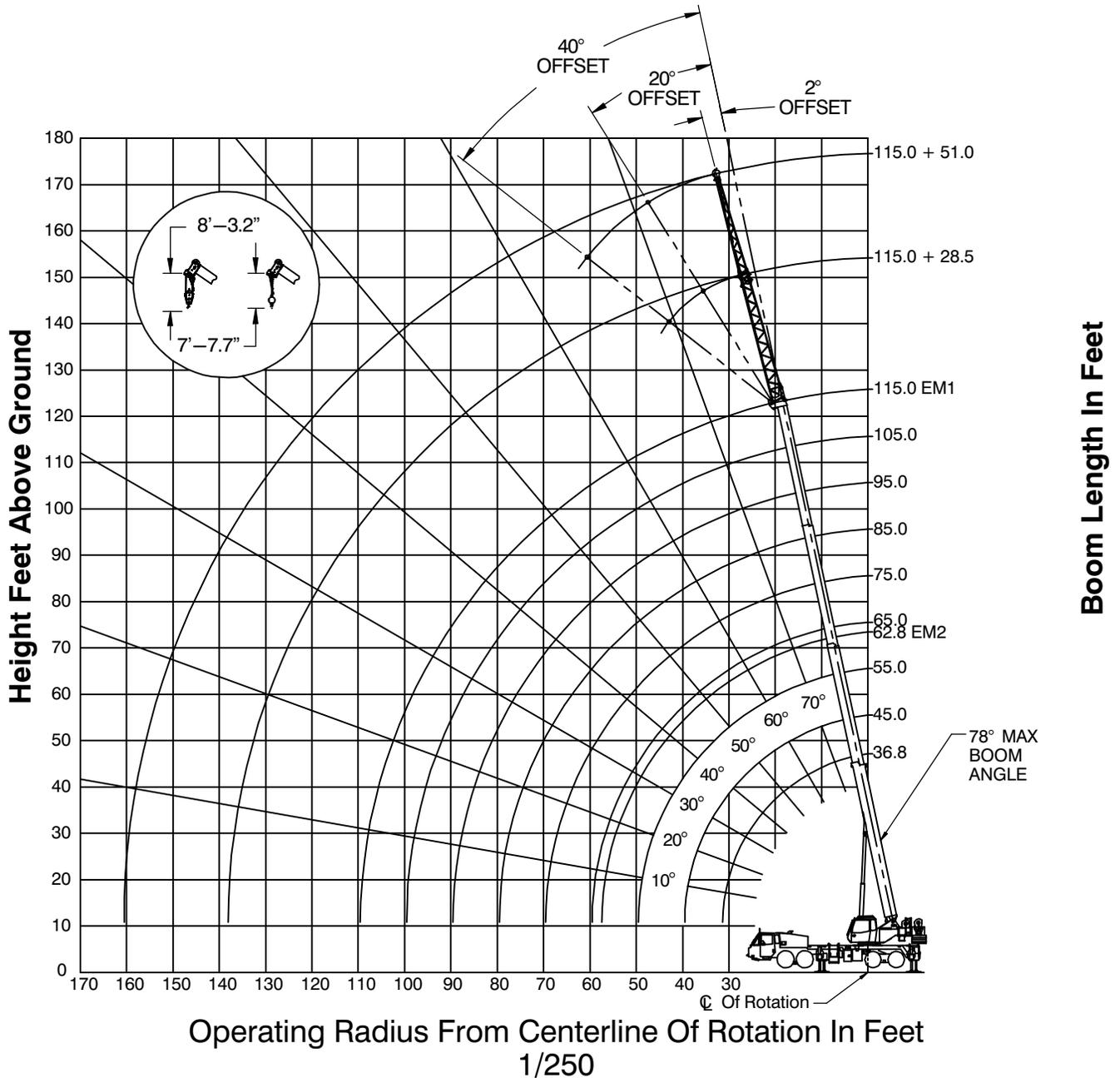


Working Range Diagram



Note: Boom and fly geometry shown are for unloaded condition and crane standing level on firm supporting surface. Boom deflection, subsequent radius, and boom angle change must be accounted for when applying load to hook.



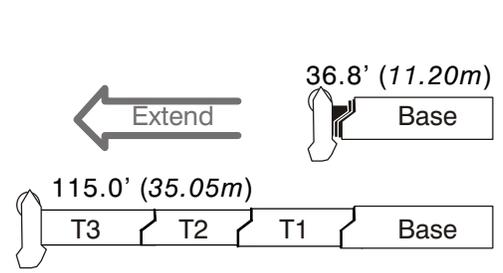
WARNING

Do Not Lower The Boom Below The Minimum Boom Angle For No Load Stability As Shown In The Lift Charts For The Boom Lengths Given. Loss Of Stability Will Occur Causing A Tipping Condition.

Boom Extend Modes

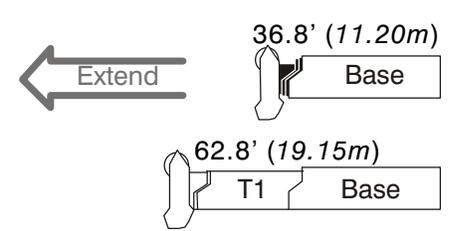
Boom Length		Boom Mode		
ft	m	T3	T2	T1
36.75	11.20			
45	13.72	11%	11%	11%
55	16.76	23%	23%	23%
65	19.81	36%	36%	36%
75	22.86	49%	49%	49%
85	25.91	62%	62%	62%
95	28.96	74%	74%	74%
105	32.00	87%	87%	87%
115	35.05	100%	100%	100%

EM
1



Boom Length		Boom Mode		
ft	m	T3	T2	T1
36.75	11.20			
45	13.72			32%
55	16.76			70%
62.83	19.15			100%

EM
2



Main Boom Lift Capacity Charts – Standard

11,500 lb Counterweight – Fully Extended Outriggers – 360° Rotation (All Capacities Are Listed In Pounds)

Radius (ft)	Boom Length (ft)								Radius (ft)	
	36.75	45	55	62.8-65	75	85	95	105		115
10	99,400	83,700	82,200							10
12	89,100	83,700	78,900	66,100						12
15	71,900	71,600	68,300	59,100	39,200					15
20	52,300	52,100	51,900	50,000	39,200	36,300	32,100			20
25	40,200	40,400	40,000	39,900	39,200	31,400	28,000	25,500		25
30	29,200	30,300	30,900	31,300	31,500	27,700	24,700	22,400	20,700	30
35		22,600	23,300	23,600	23,800	24,000	21,900	20,000	18,500	35
40			18,200	18,600	18,800	18,900	19,100	17,900	16,600	40
45			14,500	14,900	15,200	15,300	15,400	15,500	15,000	45
50				12,100	12,500	12,600	12,700	12,800	12,800	50
55				10,000	10,300	10,500	10,700	10,700	10,700	55
60					8,600	8,800	9,000	9,000	9,100	60
65					7,200	7,400	7,600	7,700	7,700	65
70						6,200	6,400	6,500	6,600	70
75						5,200	5,400	5,500	5,600	75
80							4,500	4,700	4,800	80
85							3,800	3,900	4,000	85
90								3,300	3,400	90
95								2,700	2,800	95
100									2,300	100
105									1,800	105

* Special Conditions Or Wire Rope Required

Main Boom Lift Capacity Charts – Optional

15,100 lb Counterweight – Fully Extended Outriggers – 360° Rotation (All Capacities Are Listed In Pounds)										
Radius (ft)	Boom Length (ft)									Radius (ft)
	36.75	45	55	62.8-65	75	85	95	105	115	
7	130,000*									7
8	108,400									8
10	99,400	83,700	82,200							10
12	89,100	83,700	78,900	66,100						12
15	74,200	73,100	68,300	59,100	39,200					15
20	54,100	53,900	53,700	50,000	39,200	36,300	32,100			20
25	41,700	41,600	41,400	41,300	39,200	31,400	28,000	25,500		25
30	32,500	33,600	34,200	34,500	34,700	27,700	24,700	22,400	20,700	30
35		25,200	25,900	26,200	26,400	24,600	21,900	20,000	18,500	35
40			20,300	20,800	21,000	21,100	19,700	17,900	16,600	40
45			16,300	16,800	17,000	17,200	17,300	16,200	15,000	45
50				13,800	14,100	14,200	14,300	14,400	13,600	50
55				11,400	11,700	11,900	12,000	12,100	12,200	55
60					9,900	10,100	10,300	10,300	10,400	60
65					8,300	8,600	8,800	8,800	8,900	65
70						7,300	7,500	7,600	7,700	70
75						6,200	6,400	6,500	6,600	75
80							5,500	5,600	5,700	80
85							4,600	4,800	4,900	85
90								4,100	4,200	90
95								3,400	3,600	95
100									3,000	100
105									2,500	105

* Special Conditions Or Wire Rope Required

Main Boom Lift Capacity Charts – Optional

18,700 lb Counterweight – Fully Extended Outriggers – 360° Rotation (All Capacities Are Listed In Pounds)										
Radius (ft)	Boom Length (ft)									Radius (ft)
	36.75	45	55	62.8-65	75	85	95	105	115	
7	130,000*									7
8	108,400									8
10	99,400	83,700	82,200							10
12	89,100	83,700	78,900	66,100						12
15	76,500	73,100	68,300	59,100	39,200					15
20	55,800	55,600	55,400	50,000	39,200	36,300	32,100			20
25	43,100	43,000	42,800	42,700	39,200	31,400	28,000	25,500		25
30	34,400	35,200	35,800	36,100	36,300	27,700	24,700	22,400	20,700	30
35		27,800	28,600	28,900	29,100	24,600	21,900	20,000	18,500	35
40			22,500	22,900	23,100	22,100	19,700	17,900	16,600	40
45			18,200	18,700	18,900	19,000	17,800	16,200	15,000	45
50				15,400	15,700	15,900	16,000	14,700	13,600	50
55				12,900	13,200	13,400	13,500	13,400	12,300	55
60					11,200	11,400	11,500	11,600	11,300	60
65					9,500	9,800	9,900	10,000	10,100	65
70						8,400	8,600	8,700	8,700	70
75						7,200	7,400	7,500	7,600	75
80							6,400	6,500	6,600	80
85							5,500	5,600	5,800	85
90								4,900	5,000	90
95								4,200	4,300	95
100									3,700	100
105									3,200	105

* Special Conditions Or Wire Rope Required

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.

Fly Attachment Lift Capacity Charts – Optional

11,500 lb Counterweight – Fully Extended Outriggers – 360° Rotation (All Capacities Are Listed In Pounds)								
115 ft Main Boom Length 2° Fly Offset			115 ft Main Boom Length 20° Fly Offset			115 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
30	11,400		30			30		
35	11,400	7,400	35	11,900		35		
40	11,400	7,400	40	11,900		40		
45	11,400	7,400	45	11,700		45	9,400	
50	11,400	7,400	50	11,200	6,700	50	9,100	
55	11,000	7,400	55	10,800	6,400	55	8,800	
60	9,700	7,400	60	9,900	6,100	60	8,500	4,200
65	8,200	7,400	65	8,900	5,800	65	8,300	4,000
70	7,100	7,400	70	7,700	5,500	70	8,100	3,900
75	6,100	6,600	75	6,600	5,300	75	7,100	3,800
80	5,200	5,700	80	5,700	5,100	80	6,100	3,700
85	4,500	5,000	85	4,900	4,900	85	5,300	3,600
90	3,800	4,300	90	4,200	4,700	90	4,500	3,500
95	3,300	3,700	95	3,600	4,400	95	3,900	3,400
100	2,800	3,200	100	3,100	3,800	100	3,300	3,300
105	2,300	2,700	105	2,600	3,300	105	2,800	3,300
110	1,900	2,300	110	2,100	2,800	110	2,300	3,200
115	1,500	2,000	115	1,700	2,400	115	1,800	2,800
120	1,200	1,600	120	1,400	2,000	120		2,300
125	900	1,300	125	1,000	1,700	125		1,900
130		1,000	130		1,400	130		1,600
135			135		1,000	135		1,200
140			140			140		900

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.

15,100 lb Counterweight – Fully Extended Outriggers – 360° Rotation (All Capacities Are Listed In Pounds)								
115 ft Main Boom Length 2° Fly Offset			115 ft Main Boom Length 20° Fly Offset			115 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
30	11,400		30			30		
35	11,400	7,400	35	11,900		35		
40	11,400	7,400	40	11,900		40		
45	11,400	7,400	45	11,700		45	9,400	
50	11,400	7,400	50	11,200	6,700	50	9,100	
55	11,000	7,400	55	10,800	6,400	55	8,800	
60	10,000	7,400	60	9,900	6,100	60	8,500	4,200
65	9,100	7,400	65	9,100	5,800	65	8,300	4,000
70	8,100	7,400	70	8,400	5,500	70	8,100	3,900
75	7,100	7,300	75	7,600	5,300	75	7,700	3,800
80	6,100	6,600	80	6,600	5,100	80	7,000	3,700
85	5,300	5,800	85	5,800	4,900	85	6,100	3,600
90	4,600	5,100	90	5,000	4,700	90	5,300	3,500
95	4,000	4,500	95	4,400	4,500	95	4,600	3,400
100	3,500	3,900	100	3,800	4,300	100	4,000	3,300
105	3,000	3,400	105	3,300	4,000	105	3,400	3,300
110	2,600	3,000	110	2,800	3,500	110	2,900	3,200
115	2,200	2,600	115	2,400	3,000	115	2,500	3,200
120	1,800	2,200	120	2,000	2,600	120		2,900
125	1,500	1,900	125	1,600	2,200	125		2,500
130	1,200	1,600	130	1,200	1,900	130		2,100
135		1,300	135		1,600	135		1,700
140		1,000	140		1,300	140		1,400
145			145		1,000	145		

18,700 lb Counterweight – Fully Extended Outriggers – 360° Rotation (All Capacities Are Listed In Pounds)								
115 ft Main Boom Length 2° Fly Offset			115 ft Main Boom Length 20° Fly Offset			115 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
30	11,400		30			30		
35	11,400	7,400	35	11,900		35		
40	11,400	7,400	40	11,900		40		
45	11,400	7,400	45	11,700		45	9,400	
50	11,400	7,400	50	11,200	6,700	50	9,100	
55	11,000	7,400	55	10,800	6,400	55	8,800	
60	10,000	7,400	60	9,900	6,100	60	8,500	4,200
65	9,100	7,400	65	9,100	5,800	65	8,300	4,000
70	8,400	7,400	70	8,400	5,500	70	8,100	3,900
75	7,700	7,300	75	7,700	5,300	75	7,700	3,800
80	7,100	6,700	80	7,100	5,100	80	7,200	3,700
85	6,200	6,200	85	6,600	4,900	85	6,600	3,600
90	5,500	5,700	90	5,900	4,700	90	6,100	3,500
95	4,800	5,300	95	5,100	4,500	95	5,400	3,400
100	4,200	4,700	100	4,500	4,300	100	4,700	3,300
105	3,700	4,100	105	4,000	4,200	105	4,100	3,300
110	3,200	3,600	110	3,400	4,000	110	3,600	3,200
115	2,800	3,200	115	3,000	3,700	115	3,100	3,200
120	2,400	2,800	120	2,600	3,200	120		3,100
125	2,000	2,400	125	2,200	2,800	125		3,100
130	1,700	2,100	130	1,800	2,400	130		2,600
135	1,400	1,800	135		2,100	135		2,200
140		1,500	140		1,800	140		1,900
145		1,300	145		1,500	145		
150		1,000	150		1,200	150		

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 75% of the tipping loads and on tires do not exceed 65% of the tipping loads.