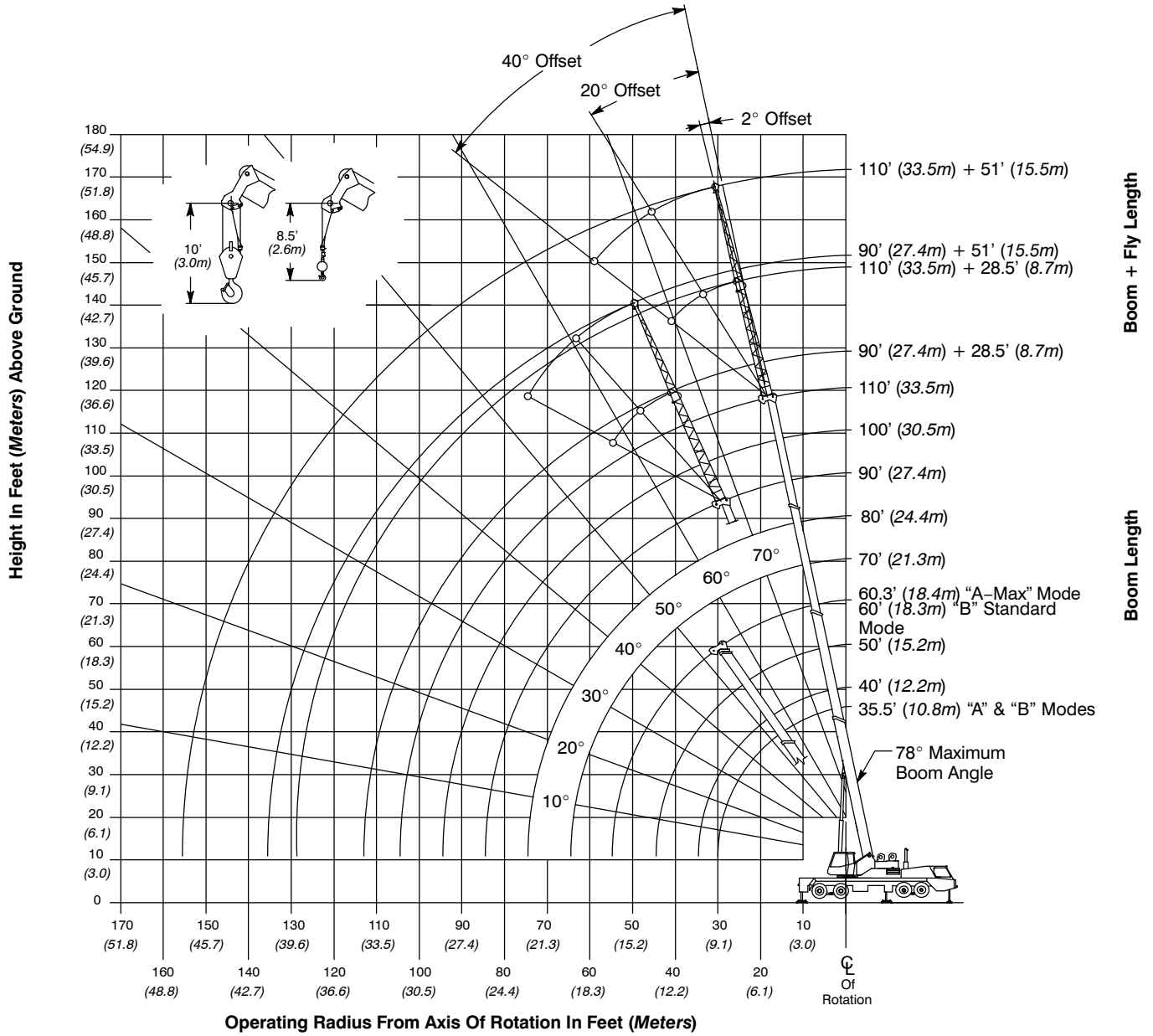


# Working Range Diagram



**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.



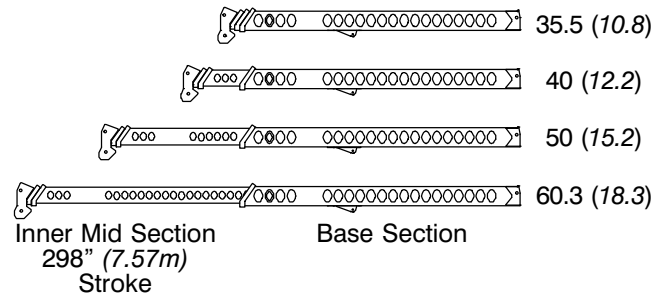
## WARNING

**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

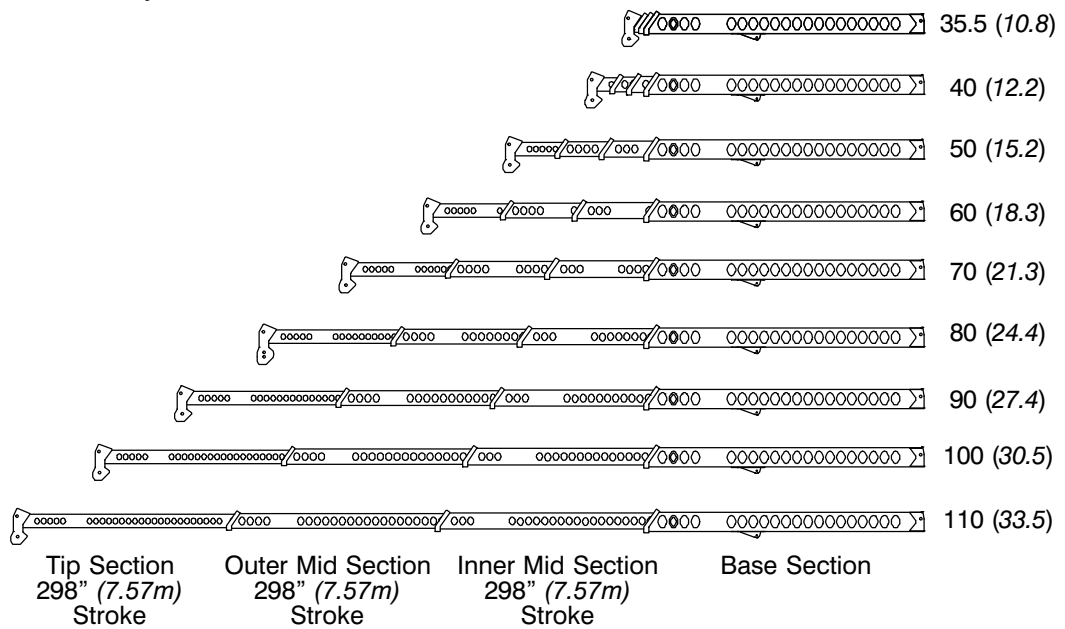
## Boom Mode “A” (A–Max) Only inner mid section telescopes

Boom Length  
ft (m)



## Boom Mode “B” (Standard) Inner mid, outer mid, and tip sections telescope simultaneously

Boom Length  
ft (m)



# 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)	
	35.5	40	50	60	70	80	90	100	110		
7	120,000*										7
10	100,000	80,900	72,800								10
12	76,000	73,200	65,800	50,900	37,900						12
15	65,800	63,600	57,700	47,300	37,900	35,400					15
20	52,500	52,000	47,500	39,300	37,900	34,700	28,900				20
25	40,500	40,300	40,000	37,900	37,900	34,300	28,300	24,000	19,500		25
30		29,600	30,300	30,600	30,800	30,400	24,900	22,600	19,500		30
35			22,800	23,200	23,400	23,400	22,100	20,100	18,500		35
40			17,700	18,200	18,400	18,500	18,600	18,000	16,500		40
45				14,600	14,800	15,000	15,000	15,100	14,700		45
50				11,900	12,200	12,300	12,400	12,400	12,500		50
55					10,100	10,300	10,400	10,400	10,500		55
60					8,400	8,600	8,700	8,800	8,800		60
65						7,200	7,400	7,400	7,500		65
70						6,000	6,200	6,300	6,400		70
75							5,200	5,300	5,400		75
80							4,400	4,500	4,600		80
85								3,800	3,900		85
90								3,100	3,200		90
95									2,700		95
100									2,200		100

\* 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.

**11,500 lb Counterweight – On Tires – Stationary – Boom Centered Over Rear**  
(All Capacities Are Listed In Pounds)

Radius (ft)	Boom Length (ft)						Radius (ft)
	35.5	40	50	60	70	80	
10	49,000						10
12	44,800	37,900	23,100				12
15	37,000	37,400	24,500	15,800			15
20	23,600	23,900	24,500	17,600			20
25	16,400	16,700	17,300	17,600	13,300		25
30		12,300	12,800	13,100	13,300	13,200	30
35			9,700	10,100	10,300	10,500	35
40			7,500	7,800	8,100	8,200	40
45				6,200	6,400	6,500	45
50				4,800	5,000	5,200	50
55					4,000	4,100	55
60					3,100	3,200	60
65						2,500	65
70						1,900	70

**11,500 lb Counterweight – On Tires – Pick & Carry (1 mph) – Boom Centered Over Rear**  
(All Capacities Are Listed In Pounds)

Radius (ft)	Boom Length (ft)						Radius (ft)
	35.5	40	50	60	70	80	
10	36,200						10
12	32,900	33,100					12
15	28,800	29,000	24,000				15
20	23,500	23,700	24,000	17,600			20
25	16,400	16,700	17,300	17,600	13,300		25
30		12,300	12,800	13,100	13,300	13,200	30
35			9,700	10,100	10,300	10,500	35
40			7,500	7,800	8,100	8,200	40
45				6,200	6,400	6,500	45
50				4,800	5,000	5,200	50
55					4,000	4,100	55
60					3,100	3,200	60
65						2,500	65
70						1,900	70

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.

## 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)	
	35.5	40	50	60	70	80	90	100	110		
7	120,000*										7
10	100,000	80,900	72,800								10
12	76,000	73,200	65,800	50,900	37,900						12
15	65,800	63,600	57,700	47,300	37,900	35,400					15
20	53,400	52,000	47,500	39,300	37,900	34,700	28,900				20
25	41,900	41,700	40,300	37,900	37,900	34,300	28,300	24,000	19,500		25
30		32,900	33,600	33,900	32,900	30,400	24,900	22,600	19,500		30
35			25,400	25,800	25,900	26,100	22,100	20,100	18,500		35
40			19,900	20,400	20,600	20,700	19,800	18,000	16,500		40
45				16,500	16,700	16,800	16,900	16,200	14,700		45
50				13,500	13,800	13,900	14,000	14,100	13,300		50
55					11,500	11,700	11,800	11,800	11,900		55
60					9,700	9,900	10,000	10,100	10,200		60
65						8,400	8,600	8,600	8,700		65
70						7,100	7,300	7,400	7,500		70
75							6,200	6,300	6,400		75
80							5,300	5,400	5,500		80
85								4,600	4,700		85
90								4,000	4,000		90
95									3,400		95
100									2,900		100

\* 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.

**15,100 lb Counterweight – On Tires – Stationary – Boom Centered Over Rear**  
(All Capacities Are Listed In Pounds)

Radius (ft)	Boom Length (ft)						Radius (ft)
	35.5	40	50	60	70	80	
10	49,000						10
12	44,800	44,700					12
15	39,600	39,400	29,200				15
20	26,000	26,300	26,900	19,500			20
25	18,200	18,600	19,100	19,500	14,800		25
30		13,800	14,300	14,600	14,800	14,200	30
35			11,000	11,300	11,600	11,700	35
40			8,600	8,900	9,200	9,300	40
45				7,100	7,300	7,500	45
50				5,700	5,900	6,100	50
55					4,700	4,900	55
60					3,800	4,000	60
65						3,200	65
70						2,500	70

**15,100 lb Counterweight – On Tires – Pick & Carry (1 mph) – Boom Centered Over Rear**  
(All Capacities Are Listed In Pounds)

Radius (ft)	Boom Length (ft)						Radius (ft)
	35.5	40	50	60	70	80	
10	36,200						10
12	32,900	33,100					12
15	28,800	29,000	29,200				15
20	23,500	23,700	24,000	19,500			20
25	18,200	18,600	19,100	19,500	14,800		25
30		13,800	14,300	14,600	14,800	14,200	30
35			11,000	11,300	11,600	11,700	35
40			8,600	8,900	9,200	9,300	40
45				7,100	7,300	7,500	45
50				5,700	5,900	6,100	50
55					4,700	4,900	55
60					3,800	4,000	60
65						3,200	65
70						2,500	70

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)								
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		35			35		
40	9,400		40			40		
45	9,400	6,200	45	9,600		45		
50	9,400	6,200	50	9,200		50	7,600	
55	9,300	6,200	55	8,600		55	7,400	
60	8,600	6,200	60	8,000	4,900	60	7,200	
65	8,000	6,100	65	7,400	4,700	65	7,000	
70	7,000	5,800	70	7,000	4,500	70	6,600	
75	6,000	5,400	75	6,500	4,300	75	6,200	3,500
80	5,200	5,000	80	5,600	4,200	80	5,900	3,400
85	4,400	4,700	85	4,800	4,000	85	5,200	3,300
90	3,800	4,300	90	4,200	3,900	90	4,400	3,300
95	3,200	3,700	95	3,600	3,700	95	3,800	3,200
100	2,700	3,200	100	3,000	3,600	100	3,200	3,200
105	2,300	2,700	105	2,500	3,300	105	2,700	3,100
110	1,900	2,300	110	2,100	2,800	110	2,200	3,100
115	1,500	2,000	115	1,700	2,400	115		2,700
120	1,200	1,600	120	1,300	2,000	120		2,300
125		1,300	125		1,700	125		1,900
130			130		1,300	130		1,500
135			135			135		1,100

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.

15,100 lb Counterweight – 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		35			35		
40	9,400		40			40		
45	9,400	6,200	45	9,600		45		
50	9,400	6,200	50	9,200		50	7,600	
55	9,300	6,200	55	8,600		55	7,400	
60	8,600	6,200	60	8,000	4,900	60	7,200	
65	8,000	6,100	65	7,400	4,700	65	7,000	
70	7,500	5,800	70	7,000	4,500	70	6,600	
75	7,000	5,400	75	6,500	4,300	75	6,200	3,500
80	6,100	5,000	80	6,200	4,200	80	5,900	3,400
85	5,300	4,700	85	5,700	4,000	85	5,600	3,300
90	4,600	4,400	90	5,000	3,900	90	5,200	3,300
95	4,000	4,100	95	4,300	3,700	95	4,500	3,200
100	3,500	3,900	100	3,700	3,600	100	3,900	3,200
105	3,000	3,400	105	3,200	3,400	105	3,400	3,100
110	2,500	3,000	110	2,700	3,300	110	2,800	3,100
115	2,200	2,600	115	2,300	3,000	115		3,000
120	1,800	2,200	120	1,900	2,600	120		2,800
125	1,500	1,900	125	1,500	2,200	125		2,400
130	1,200	1,600	130		1,900	130		2,000
135		1,300	135		1,600	135		1,700
140			140		1,300	140		

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.