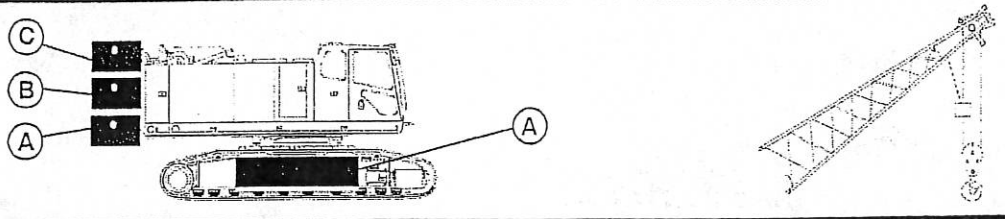
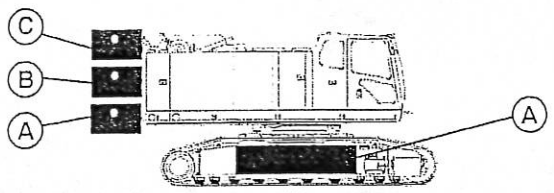
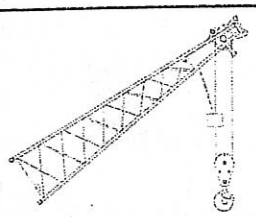


Main Boom Capacities – 160' Open Throat Tube Boom

Load Radius (ft)	Boom Angle (deg)	Over End Blocked		360° Rotation						Load Radius (ft)
		Extended Side Frames		Extended Side Frames				Retracted Side Frames		
		ABC+A CTWT (lb)	ABC+0 CTWT (lb)	ABC+A CTWT (lb)	ABC+0 CTWT (lb)	AB+0 CTWT (lb)	A+0 CTWT (lb)	A+0 CTWT (lb)	0+0 CTWT (lb)	
32.11	80.0	67,400	67,400	62,400	57,800	46,600	35,300	23,500	Prohibited	32.11
35	78.9	65,300	63,600	55,500	51,300	41,300	31,200	20,800		35
40	77.1	57,200	52,700	46,300	42,800	34,300	25,700	17,200		40
50	73.4	42,200	38,700	34,400	31,700	25,100	18,600	12,300		50
60	69.6	33,000	30,200	27,000	24,800	19,500	14,200	9,300		60
70	65.8	26,800	24,500	21,900	20,100	15,600	11,200	7,100		70
80	61.8	22,400	20,300	18,200	16,700	12,800	9,000	5,500		80
90	57.6	19,000	17,200	15,500	14,100	10,700	7,300	4,300		90
100	53.3	16,400	14,800	13,300	12,000	9,000	6,000	3,400		100
110	48.7	14,300	12,800	11,500	10,400	7,700	4,900	–		110
120	43.7	12,500	11,200	10,100	9,000	6,600	4,100	–		120
130	38.2	11,100	9,900	8,800	7,900	5,600	3,300	–		130
140	32.0	9,700	8,700	7,800	6,900	4,800	–	–		140
150	24.4	8,000	7,700	6,900	6,100	4,100	–	–		150
160	13.4	6,300	6,300	6,100	5,300	3,500	–	–		160

Note: Refer To Page 26 For "Capacity Deductions" Caused By Any Attachment On The Boom.

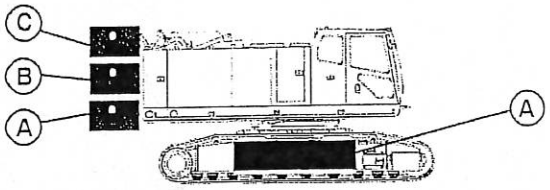


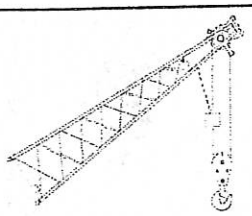


Main Boom Capacities – 170' Open Throat Tube Boom

Load Radius (ft)	Boom Angle (deg)	Over End Blocked		360° Rotation						Load Radius (ft)
		Extended Side Frames		Extended Side Frames				Retracted Side Frames		
		ABC+A CTWT (lb)	ABC+0 CTWT (lb)	ABC+A CTWT (lb)	ABC+0 CTWT (lb)	AB+0 CTWT (lb)	A+0 CTWT (lb)	A+0 CTWT (lb)	0+0 CTWT (lb)	
33.85	80.0	61,500	61,500	57,900	53,600	43,100	32,600	Prohibited		33.85
35	79.6	58,500	58,500	55,300	51,200	41,100	31,000			35
40	77.9	55,200	52,500	46,100	42,600	34,100	25,500			40
50	74.4	42,000	38,500	34,200	31,500	25,000	18,400			50
60	70.9	32,800	30,000	26,800	24,600	19,300	14,000			60
70	67.3	26,600	24,300	21,700	19,900	15,400	11,000			70
80	63.6	22,200	20,100	18,000	16,500	12,600	8,800			80
90	59.7	18,800	17,000	15,300	13,900	10,500	7,100			90
100	55.8	16,200	14,600	13,100	11,800	8,800	5,800			100
110	51.6	14,000	12,600	11,300	10,200	7,500	4,700			110
120	47.1	12,300	11,000	9,900	8,800	6,400	3,900			120
130	42.3	10,900	9,700	8,600	7,700	5,400	3,100			130
140	37.1	9,600	8,500	7,600	6,700	4,600	–			140
150	31.0	8,100	7,500	6,700	5,900	3,900	–			150
160	23.7	6,700	6,700	5,900	5,200	3,300	–			160
170	13.0	5,200	5,200	5,200	4,500	–	–			170

Note: Refer To Page 26 For "Capacity Deductions" Caused By Any Attachment On The Boom.

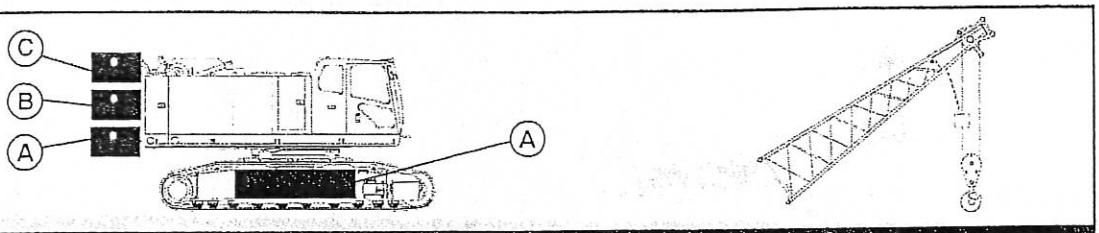




Main Boom Capacities – 180' Open Throat Tube Boom

Load Radius (ft)	Boom Angle (deg)	Over End Blocked		360° Rotation						Load Radius (ft)
		Extended Side Frames		Extended Side Frames				Retracted Side Frames		
		ABC+A CTWT (lb)	ABC+0 CTWT (lb)	ABC+A CTWT (lb)	ABC+0 CTWT (lb)	AB+0 CTWT (lb)	A+0 CTWT (lb)	A+0 CTWT (lb)	0+0 CTWT (lb)	
35.59	80.0	54,000	54,000	53,900	49,800	40,000	30,100	Prohibited		35.59
40	78.6	51,300	51,300	45,900	42,400	33,900	25,400			40
50	75.3	41,800	38,400	34,000	31,300	24,800	18,200			50
60	72.0	32,600	29,800	26,600	24,400	19,100	13,800			60
70	68.6	26,400	24,100	21,500	19,700	15,200	10,800			70
80	65.1	22,000	19,900	17,800	16,300	12,400	8,600			80
90	61.6	18,600	16,800	15,100	13,700	10,300	6,900			90
100	57.9	16,000	14,400	12,900	11,600	8,600	5,600			100
110	54.1	13,800	12,400	11,100	10,000	7,300	4,500			110
120	50.0	12,100	10,800	9,700	8,600	6,200	3,700			120
130	45.7	10,700	9,500	8,400	7,500	5,200	–			130
140	41.1	9,400	8,300	7,400	6,500	4,400	–			140
150	36.0	8,100	7,300	6,500	5,700	3,700	–			150
160	30.1	6,800	6,500	5,700	5,000	3,100	–			160
170	23.0	5,500	5,500	5,000	4,300	–	–			170
180	12.6	4,200	4,200	4,200	3,700	–	–			180

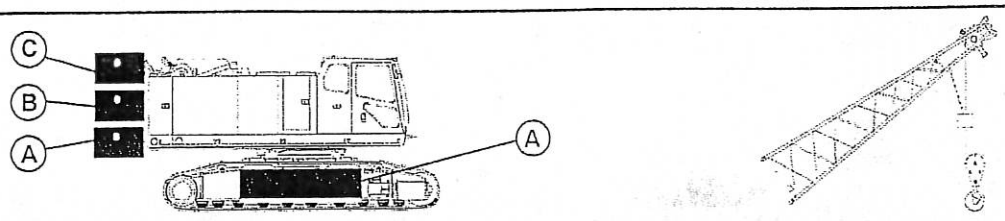
Note: Refer To Page 26 For "Capacity Deductions" Caused By Any Attachment On The Boom.



Main Boom Capacities – 190' Open Throat Tube Boom

Load Radius (ft)	Boom Angle (deg)	Over End Blocked		360° Rotation						Load Radius (ft)
		Extended Side Frames		Extended Side Frames				Retracted Side Frames		
		ABC+A CTWT (lb)	ABC+0 CTWT (lb)	ABC+A CTWT (lb)	ABC+0 CTWT (lb)	AB+0 CTWT (lb)	A+0 CTWT (lb)	A+0 CTWT (lb)	0+0 CTWT (lb)	
37.32	80.0	48,600	48,600	48,600	46,500	37,200	27,900	Prohibited		37.32
40	79.2	47,600	47,600	45,800	42,300	33,700	25,200			40
50	76.1	40,700	38,200	33,800	31,100	24,600	18,000			50
60	73.0	32,400	29,600	26,400	24,200	18,900	13,600			60
70	69.8	26,200	23,900	21,300	19,500	15,000	10,600			70
80	66.5	21,800	19,700	17,600	16,100	12,200	8,400			80
90	63.2	18,400	16,600	14,900	13,500	10,100	6,700			90
100	59.8	15,700	14,200	12,700	11,400	8,400	5,400			100
110	56.2	13,600	12,200	10,900	9,800	7,100	4,300			110
120	52.5	11,900	10,600	9,500	8,400	6,000	3,500			120
130	48.6	10,400	9,300	8,200	7,300	5,000	–			130
140	44.4	9,200	8,100	7,200	6,300	4,200	–			140
150	39.9	8,000	7,100	6,300	5,500	3,500	–			150
160	35.0	7,000	6,300	5,500	4,800	–	–			160
170	29.3	5,700	5,500	4,800	4,100	–	–			170
180	22.4	4,600	4,600	4,200	3,600	–	–			180
190	12.3	3,400	3,400	3,400	3,000	–	–			190

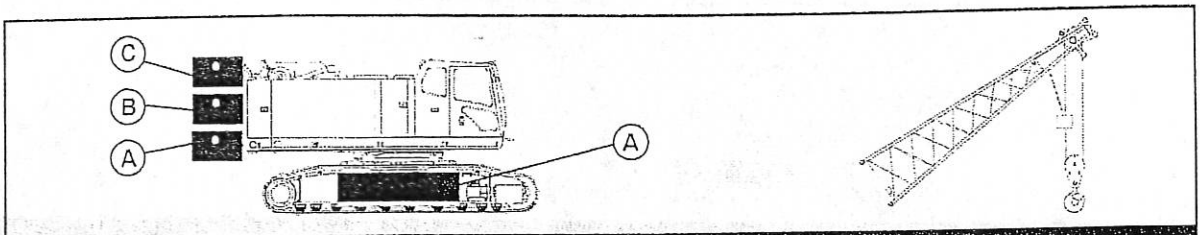
Note: Refer To Page 26 For "Capacity Deductions" Caused By Any Attachment On The Boom.



Main Boom Capacities – 200' Open Throat Tube Boom

Load Radius (ft)	Boom Angle (deg)	Over End Blocked		360° Rotation						Load Radius (ft)
		Extended Side Frames		Extended Side Frames				Retracted Side Frames		
		ABC+A CTWT (lb)	ABC+0 CTWT (lb)	ABC+A CTWT (lb)	ABC+0 CTWT (lb)	AB+0 CTWT (lb)	A+0 CTWT (lb)	A+0 CTWT (lb)	0+0 CTWT (lb)	
39.06	80.0	43,100	43,100	43,100	43,100	34,700				39.06
40	79.7	43,100	43,100	43,100	42,100	33,500				40
50	76.8	37,700	37,700	33,600	30,900	24,400				50
60	73.8	31,700	29,400	26,200	24,000	18,700				60
70	70.8	25,100	23,700	21,100	19,300	14,800				70
80	67.8	21,300	19,500	17,400	15,900	12,000				80
90	64.6	18,200	16,400	14,700	13,300	9,900				90
100	61.4	15,500	14,000	12,500	11,200	8,200				100
110	58.1	13,400	12,000	10,700	9,600	6,900	Prohibited			110
120	54.7	11,500	10,400	9,200	8,200	5,700				120
130	51.1	10,000	9,000	8,000	7,100	4,800				130
140	47.3	8,500	7,900	7,000	6,100	4,000				140
150	43.3	7,300	6,900	6,100	5,300	3,300				150
160	38.9	6,200	6,100	5,300	4,600	–				160
170	34.1	5,300	5,300	4,600	3,900	–				170
180	28.6	4,400	4,400	4,000	3,400	–				180
190	21.8	3,700	3,700	3,500	–	–				190

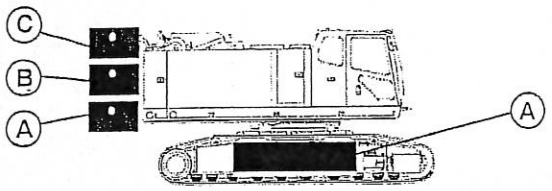
Note: Refer To Page 26 For "Capacity Deductions" Caused By Any Attachment On The Boom.

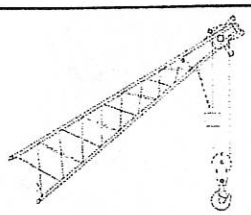


Main Boom Capacities – 210' Open Throat Tube Boom

Load Radius (ft)	Boom Angle (deg)	Over End Blocked		360° Rotation						Load Radius (ft)
		Extended Side Frames		Extended Side Frames				Retracted Side Frames		
		ABC+A CTWT (lb)	ABC+0 CTWT (lb)	ABC+A CTWT (lb)	ABC+0 CTWT (lb)	AB+0 CTWT (lb)	A+0 CTWT (lb)	A+0 CTWT (lb)	0+0 CTWT (lb)	
40.80	80.0	38,400	38,400	38,400	38,400	32,400	Prohibited			40.80
50	77.4	34,000	34,000	33,400	30,700	24,200				50
60	74.6	26,500	26,500	26,000	23,800	18,500				60
70	71.8	22,400	22,400	20,900	19,100	14,600				70
80	68.9	19,200	19,200	17,200	15,600	11,800				80
90	65.9	16,300	16,200	14,400	13,000	9,700				90
100	62.9	14,700	13,700	12,200	11,000	8,000				100
110	59.8	13,200	11,800	10,500	9,400	6,600				110
120	56.6	11,400	10,200	9,000	8,000	5,500				120
130	53.2	10,000	8,800	7,800	6,900	4,600				130
140	49.8	8,800	7,700	6,800	5,900	3,800				140
150	46.1	7,700	6,700	5,900	5,100	3,100				150
160	42.2	6,700	5,800	5,100	4,300	–				160
170	37.9	5,600	5,100	4,400	3,700	–				170
180	33.2	4,500	4,400	3,800	3,100	–				180
190	27.9	3,600	3,600	3,200	–	–				190

Note: Refer To Page 26 For "Capacity Deductions" Caused By Any Attachment On The Boom.

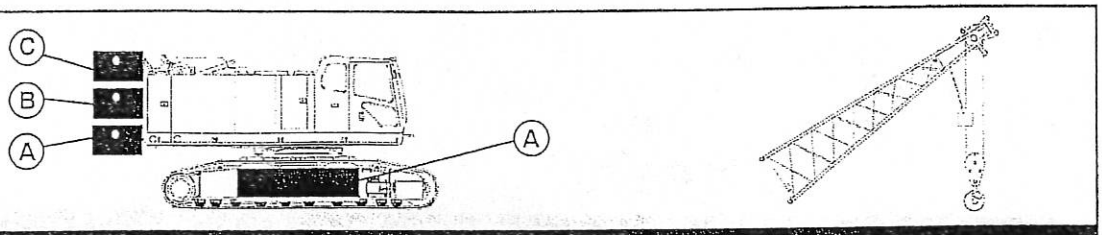




Main Boom Capacities – 220' Open Throat Tube Boom

Load Radius (ft)	Boom Angle (deg)	Over End Blocked		360° Rotation						Load Radius (ft)
		Extended Side Frames		Extended Side Frames				Retracted Side Frames		
		ABC+A CTWT (lb)	ABC+0 CTWT (lb)	ABC+A CTWT (lb)	ABC+0 CTWT (lb)	AB+0 CTWT (lb)	A+0 CTWT (lb)	A+0 CTWT (lb)	0+0 CTWT (lb)	
42.53	80.0	34,500	34,500	34,500	34,500	Prohibited				42.53
50	78.0	31,300	31,300	31,300	30,500					50
60	75.3	24,400	24,400	24,400	23,600					60
70	72.6	21,000	21,000	20,700	18,900					70
80	69.9	19,700	19,100	17,000	15,400					80
90	67.1	17,700	16,000	14,200	12,800					90
100	64.2	15,100	13,500	12,000	10,800					100
110	61.3	13,000	11,600	10,300	9,100					110
120	58.3	11,200	9,900	8,800	7,800					120
130	55.2	9,800	8,600	7,600	6,700					130
140	51.9	8,500	7,400	6,500	5,700					140
150	48.5	7,500	6,500	5,700	4,900					150
160	45.0	6,600	5,600	4,900	4,100					160
170	41.1	5,500	4,900	4,200	3,500					170
180	37.0	4,400	4,200	3,600	–					180
190	32.4	3,500	3,500	3,000	–					190

Note: Refer To Page 26 For "Capacity Deductions" Caused By Any Attachment On The Boom.



Main Boom Capacities – 230' Open Throat Tube Boom

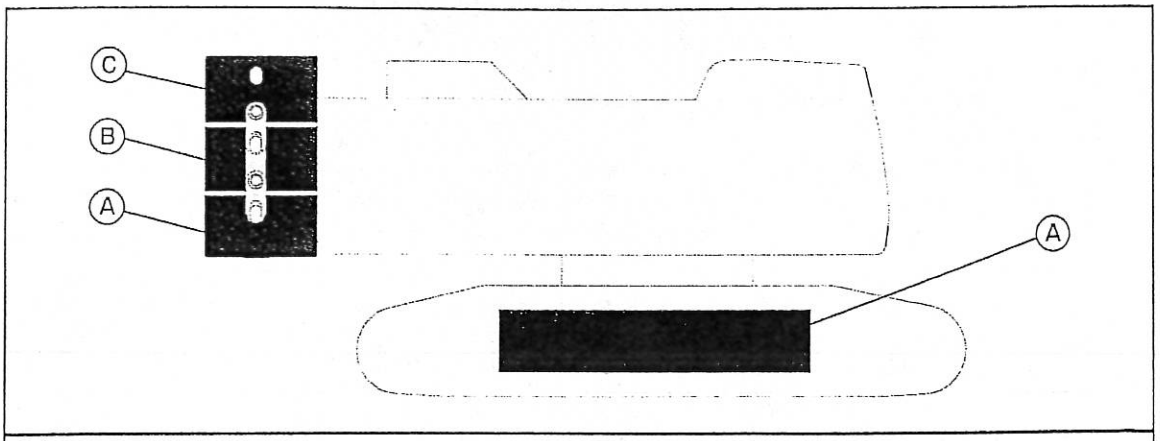
Load Radius (ft)	Boom Angle (deg)	Over End Blocked		360° Rotation						Load Radius (ft)
		Extended Side Frames		Extended Side Frames				Retracted Side Frames		
		ABC+A CTWT (lb)	ABC+0 CTWT (lb)	ABC+A CTWT (lb)	ABC+0 CTWT (lb)	AB+0 CTWT (lb)	A+0 CTWT (lb)	A+0 CTWT (lb)	0+0 CTWT (lb)	
44.27	80.0	28,600	28,600	28,600	28,600	Prohibited				44.27
50	78.5	26,600	26,600	26,600	26,600					50
60	76.0	23,500	23,500	23,500	23,400					60
70	73.4	22,000	22,000	20,500	18,700					70
80	70.8	20,000	18,900	16,800	15,200					80
90	68.1	17,500	15,800	14,000	12,600					90
100	65.4	14,900	13,300	11,800	10,600					100
110	62.6	12,800	11,300	10,000	8,900					110
120	59.8	11,000	9,700	8,600	7,600					120
130	56.9	9,600	8,400	7,400	6,400					130
140	53.9	8,300	7,200	6,300	5,500					140
150	50.7	7,300	6,200	5,400	4,600					150
160	47.4	6,300	5,400	4,700	3,900					160
170	43.9	5,200	4,600	4,000	3,300					170
180	40.2	4,200	4,000	3,400	–					180
190	36.2	3,300	3,300	–	–					190

Note: Refer To Page 26 For "Capacity Deductions" Caused By Any Attachment On The Boom.

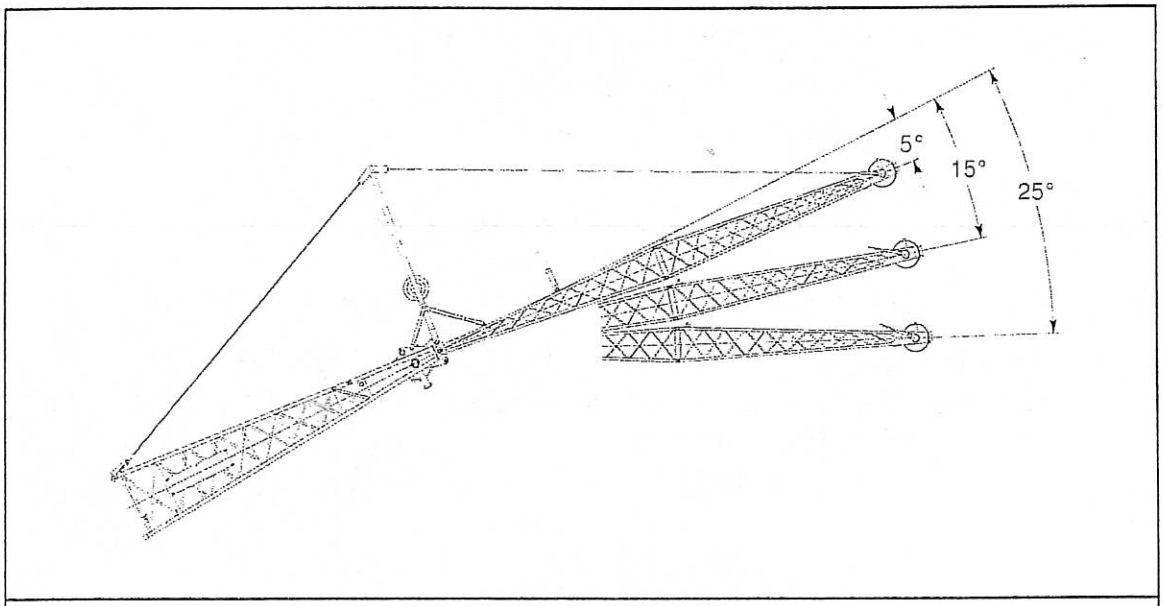
Tubular Jib Notes

1. Capacities are for a 218 HSL crawler crane with "ABC" (63,060 lb) upper + "A" (22,200 lb) lower counterweights.
2. Separate capacity charts are listed for 360° and for over end blocked crawler working areas. Verify operating conditions as described on the Working Areas Chart found in the general information section of this Crane Rating Manual. Apply the appropriate lift capacity chart based on the working area and the specific operating conditions.
3. Over end blocked capacities can be lifted over either end with the crane standing level on a firm supporting surface. Adequate blocking must be placed under both side frame sprockets (or idler rollers) at the end that the load is to be lifted to prevent rocking. The ramps supplied with the crane are considered to be adequate blocking.
4. Capacities are for side frames in the extended position only and are based on the crane standing level on a firm supporting surface.
5. Capacities are limited to a LBCE 50" x 60" tube boom with an open throat and a LBCE 12 ton, 24" x 32" cross section tube jib with a 11'–6" high jib mast properly assembled.
6. Two parts of 26mm Diameter Type "RB" wire rope are required for maximum lift.
7. Capacities are for 30', 45', 60', and 75' jib lengths only.
8. Maximum boom plus jib combination is 200' + 75'.
9. The least stable condition is over the side.
10. All capacities are listed in pounds and are not more than 75% of the tipping loads. Capacities in shaded areas are governed by factors other than those that would cause a tipping condition.
11. A deduction must be made from the jib capacities for the weight of the following: Main boom hook block or hook ball, jib hook block or hook ball, slings, grapple, etc. In addition, the weight of any rope on the main boom hook block or hook ball, and any extra parts of line on the jib hook block or hook ball must be deducted.
12. Tubular jib attachment to be used for general duty lifts only. Do not use jib for demolition, drop ball, dragline, or any other type of duty cycle application.

Tubular Jib Notes For Tube Boom



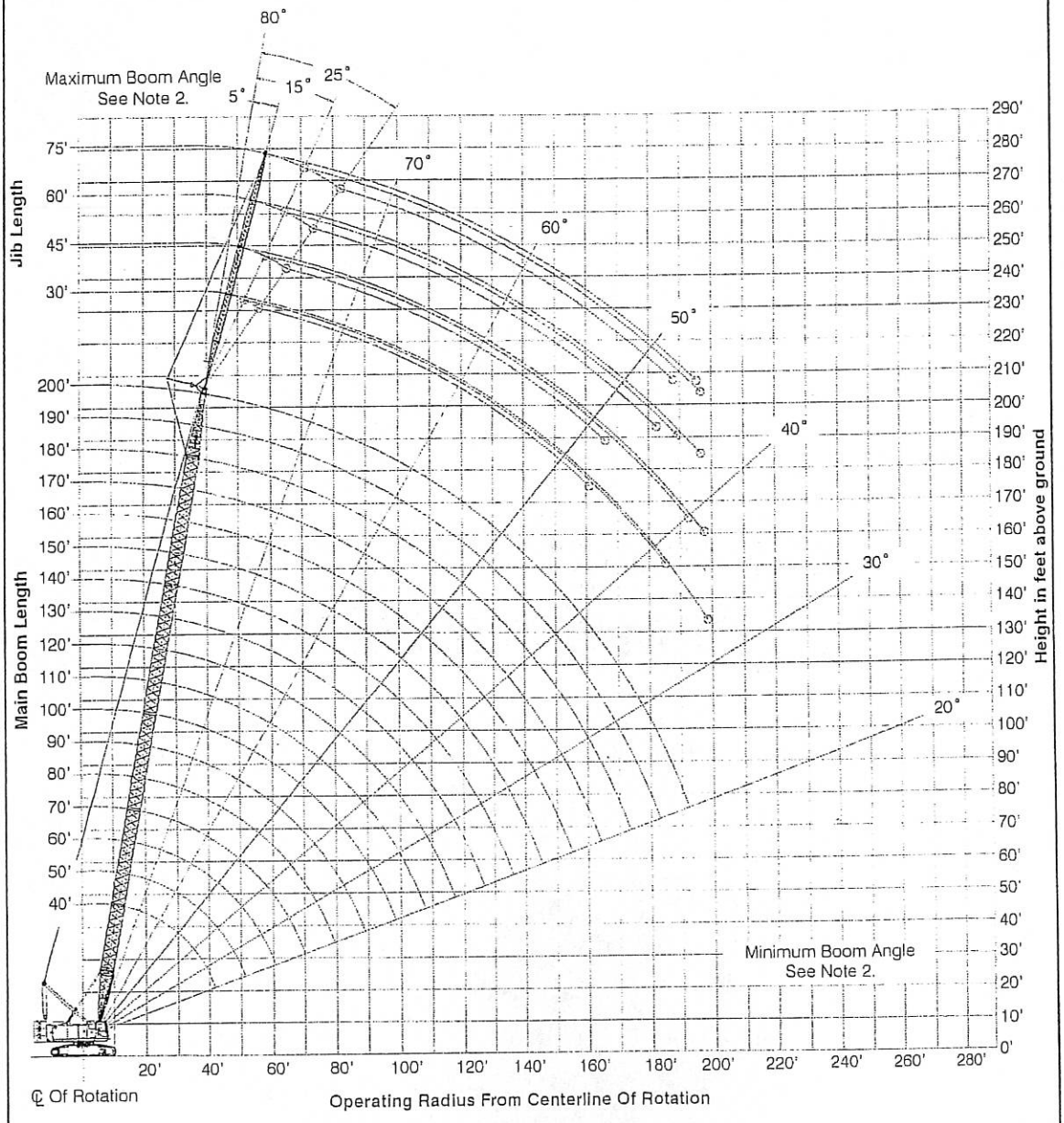
Full Counterweight Combination



Tubular Jib Offset Angle Diagram

Working Range Diagram

40' To 200' Main Boom With 30'–75' Jib



Notes:

1. Boom geometry shown is 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.
2. Maximum and minimum boom angles are equal to the values listed in the capacity chart for each boom length.

This Page Left Blank Intentionally