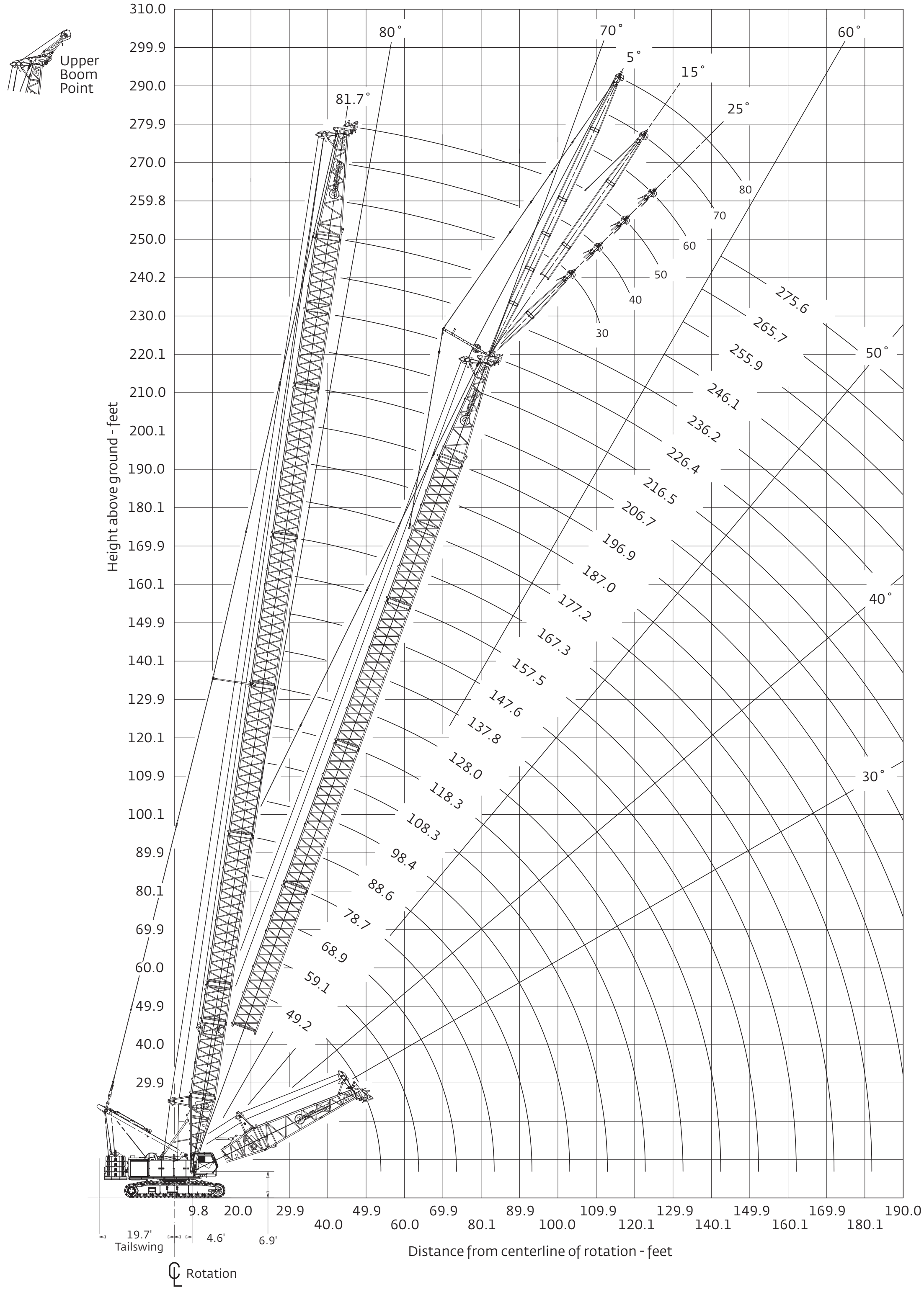
Main boom range diagram

No. 74A boom



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The individual crane's load chart, operating instructions and other instructional plates must be read and understood prior to operating the crane

Main boom load chart

No. 74A boom													
123,500 lb upper counterweight, 45,000 lb carbody counterweight													
360° Rating						lb x 1000							
Radius ft	Boom length ft												
	49	59	79	98	118	138	157	177	197	217	236	256	276
14	363.8												
16	337.6	334.8											
18	302.3	302.1											
20	273.5	273.3	272.3										
22	249.6	249.4	248.4	247.8									
26	211.9	211.9	211.0	210.4	209.5								
30	169.3	169.7	169.4	169.5	169.5	169.3	158.3						
34	140.5	140.8	140.5	140.5	140.5	140.2	140.4	134.1					
38	119.6	120.0	119.7	119.6	119.5	119.2	119.4	119.0	113.3				
42	103.8	104.2	103.9	103.8	103.7	103.3	103.5	103.0	102.6	88.7	79.2		
46	91.4	91.8	91.5	91.4	91.3	90.9	91.0	90.6	90.1	86.7	78.9	65.4	
50	81.3	81.8	81.5	81.5	81.3	80.9	81.0	80.5	80.1	79.6	78.6	65.0	54.8
60		63.5	63.5	63.4	63.2	62.8	62.9	62.4	61.9	61.3	60.4	59.8	54.1
70			51.3	51.3	51.1	50.7	50.7	50.2	49.7	49.1	48.1	47.5	46.9
80			42.3	42.5	42.4	41.9	42.0	41.4	40.9	40.3	39.3	38.7	38.0
90				35.9	35.8	35.3	35.4	34.9	34.3	33.7	32.7	32.0	31.4
100				30.6	30.6	30.2	30.3	29.7	29.2	28.5	27.5	26.9	26.2
110					26.4	26.0	26.2	25.6	25.0	24.4	23.4	22.7	22.0
120						22.6	22.8	22.2	21.7	21.0	20.0	19.3	18.6
130						19.7	19.9	19.3	18.8	18.2	17.1	16.4	15.8
140							17.5	16.9	16.4	15.8	14.7	14.0	13.4
150							15.4	14.8	14.3	13.7	12.7	12.0	11.3
160								13.0	12.5	11.9	10.9	10.2	9.5
170								11.4	10.9	10.3	9.3	8.6	7.8
180									9.5	8.9	7.9	7.2	6.2
190									8.2	7.6	6.6	5.7	4.7
200										6.5	5.4	4.4	3.4
210										5.5	4.2	3.2	
220											3.1		

For complete chart, refer to www.cranelibrary.com.

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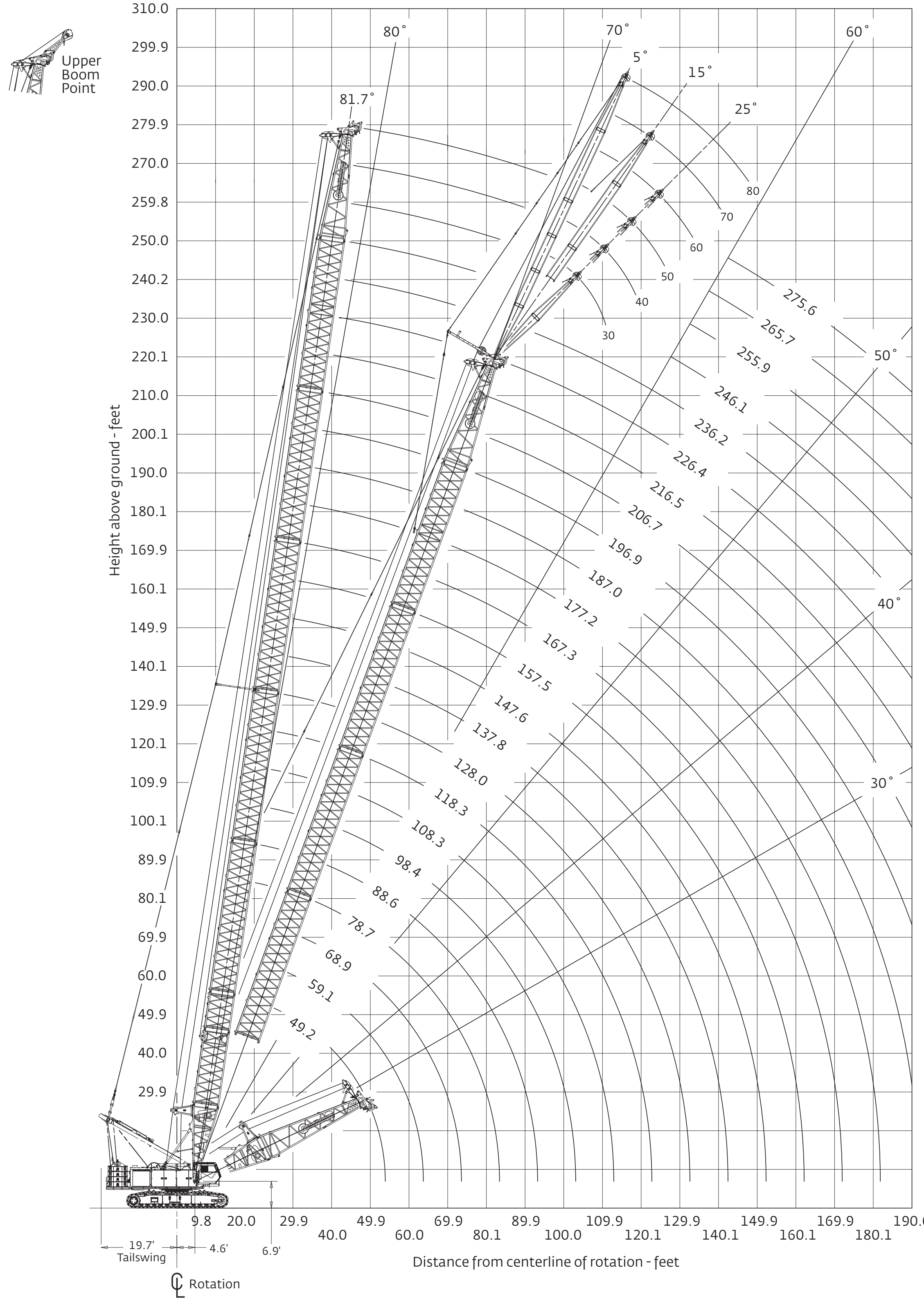
Fixed jib range diagram

No. 134 fixed jib on No. 74A boom



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Fixed jib load charts

No. 134 fixed jib on No. 74A boom

123,500 lb upper counterweight, 45,000 lb carbody counterweight

360° Rating lb x 1000

5° offset

30.0 ft fixed jib length					
	Boom length ft				
	89	128	167	207	246
Radius ft					
30	55.1				
40	55.1	55.1			
50	55.1	55.1	55.1	55.1	
60	55.1	55.1	55.1	55.1	48.0
80	43.5	42.4	41.5	40.3	38.6
100	31.7	30.6	29.7	28.4	26.7
120		23.0	22.2	20.9	19.1
140		17.7	16.9	15.6	13.8
160			13.0	11.7	9.9
180			10.0	8.7	6.9
200				6.3	4.6
220				4.4	

25° offset

30.0 ft fixed jib length					
	Boom length ft				
	89	128	167	207	246
Radius ft					
40	46.4				
50	41.6	45.4			
60	37.9	41.9	44.8		
80	32.6	36.6	39.7	41.9	40.6
100		31.4	30.7	29.6	28.2
120		23.5	22.9	21.8	20.2
140			17.4	16.3	14.7
160				12.2	10.6
180				9.1	7.4
200					4.9
205					4.4

5° offset

50.0 ft fixed jib length				
	Boom length ft			
	89	128	167	207
Radius ft				
36	44.2			
40	43.8			
50	41.0	41.9	41.5	
60	39.1	40.3	40.3	39.0
80	35.2	37.5	38.0	37.2
100	31.2	31.3	30.4	29.1
120	25.0	23.7	22.8	21.4
140		18.4	17.5	16.1
160		14.5	13.6	12.2
180			10.5	9.2
200			8.1	6.8
220				4.8
230				4.0

25° offset

50.0 ft fixed jib length				
	Boom length ft			
	89	128	167	207
Radius ft				
55	29.6			
60	28.1	30.4		
70	25.6	28.0	29.8	
80	23.5	26.0	27.9	29.4
90	21.8	24.4	26.3	27.9
100	20.4	22.9	24.9	26.5
120		20.6	22.6	23.0
140		19.0	18.4	17.3
160			14.2	13.1
180				9.9
200				7.3

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Fixed jib load charts

No. 134 fixed jib on No. 74A boom

123,500 lb upper counterweight, 45,000 lb carbody counterweight

360° Rating lb x 1000

5° offset

60.0 ft fixed jib length				
	Boom length ft			
	89	128	167	207
Radius ft				
40	37.2			
50	35.1	35.9		
60	33.1	34.4	34.3	33.3
80	29.7	31.5	32.3	31.7
100	26.9	29.0	30.1	29.2
120	22.6	24.0	22.9	21.6
140	19.2	18.6	17.6	16.2
160		14.7	13.7	12.3
180		11.6	10.7	9.3
200			8.3	6.9
220				5.0
230				4.1

25° offset

60.0 ft fixed jib length				
	Boom length ft			
	89	128	167	207
Radius ft				
60	25.7			
70	23.2	25.2		
80	21.1	23.2	24.9	26.1
90	19.4	21.6	23.3	24.6
100	18.0	20.2	21.9	23.3
120	15.9	17.9	19.7	21.1
140		16.3	17.9	17.8
160			14.7	13.6
180			11.4	10.3
200				7.7
215				6.0

5° offset

80.0 ft fixed jib length				
	Boom length ft			
	89	128	167	207
Radius ft				
40	24.0			
50	22.9	22.7		
60	21.8	21.8	21.4	
80	19.8	20.0	19.9	19.4
100	18.2	18.4	18.5	18.2
120	16.8	17.1	17.2	17.1
140	15.2	16.0	16.1	16.1
160	13.7	15.0	14.0	12.6
180		12.1	11.0	9.6
200		9.7	8.6	7.2
220			6.7	5.2
240			5.0	

25° offset

80.0 ft fixed jib length				
	Boom length ft			
	89	128	167	207
Radius ft				
70	19.10			
80	17.20	18.70		
90	15.60	17.20	18.40	19.00
100	14.30	16.00	17.20	18.30
120	12.30	13.90	15.20	16.30
140	10.80	12.40	13.70	14.80
160		11.20	12.40	13.50
180		10.30	11.40	10.90
200			9.40	8.30
220				6.10
240				4.20

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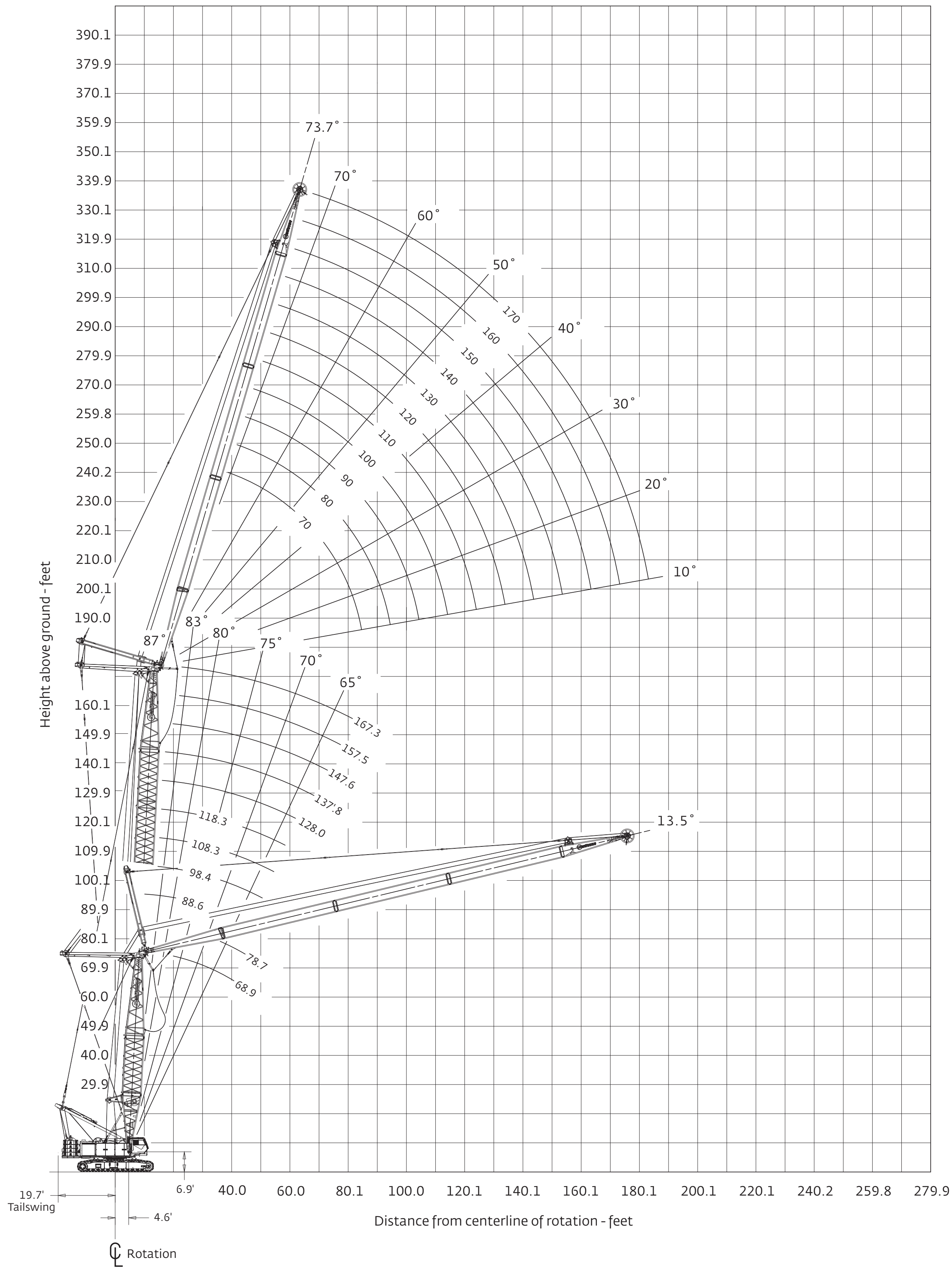
Luffing jib range diagram

No. 135 luffing jib on No. 74A boom



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Luffing jib load charts

No. 135 luffing jib on No. 74A boom

123,500 lb upper counterweight, 45,000 lb carbody counterweight

360° Rating lb x 1000

87° boom angle

70 ft luffing jib length

	Boom length ft					
	69	89	108	128	148	167
Radius ft						
30	110.3	106.1				
32	110.3	106.1	98.1	90.1		
36	110.3	106.1	98.1	90.0	81.7	74.3
40	102.5	102.5	97.9	89.6	81.4	71.7
50	85.9	81.8	78.9	75.1	70.5	63.2
60	71.3	68.6	66.8	64.0	60.6	54.9
70	58.7	58.6	58.3	56.3	53.5	47.6
80	44.6	49.4	49.3	49.1	46.9	41.8
85						40.0

100 ft luffing jib length

	Boom length ft					
	69	89	108	128	148	167
Radius ft						
38	82.7	79.6				
40	81.2	79.5	74.5	69.3		
50	73.7	73.3	72.2	68.5	59.8	51.7
60	67.4	67.1	66.2	61.6	53.6	46.7
70	58.2	58.1	57.1	54.0	47.4	41.6
80	49.2	49.1	48.9	46.8	41.6	36.9
90	42.4	42.3	42.2	40.5	36.4	32.6
100	37.1	37.0	36.9	35.2	31.9	29.0
110	29.6	32.6	32.5	31.0	28.4	26.0
115						25.1

140 ft luffing jib length

	Boom length ft					
	69	89	108	128	148	167
Radius ft						
50	47.8	46.4	44.8	42.9		
60	46.0	44.7	43.2	41.5	38.9	34.5
70	43.2	43.0	41.9	40.3	36.3	32.1
80	39.8	39.8	39.5	37.4	33.5	29.7
90	36.6	36.7	36.6	34.2	30.6	27.2
100	33.8	33.8	34.0	31.0	27.8	24.8
110	31.1	31.3	30.9	27.9	25.1	22.5
120	28.7	28.7	27.7	25.1	22.7	20.4
130	25.8	25.8	24.8	22.6	20.5	18.5
140	23.3	23.3	22.2	20.3	18.6	16.9
150		20.9	20.3	18.7	17.1	15.7
155						15.3

170 ft luffing jib length

	Boom length ft					
	69	89	108	128	148	167
Radius ft						
55	38.0					
60	36.7	36.3	35.1	32.5	29.7	
70	33.6	33.4	33.1	31.2	28.4	25.6
80	30.6	30.6	30.5	29.5	26.9	24.3
90	27.9	27.9	27.9	27.8	25.3	22.9
100	25.3	25.4	25.5	25.5	23.6	21.4
110	22.9	23.1	23.2	23.2	21.9	19.9
120	20.6	20.8	21.0	21.2	20.3	18.4
130	18.7	18.9	19.1	19.2	18.7	17.1
140	16.8	17.1	17.2	17.4	17.2	15.8
150	15.2	15.4	15.5	15.8	15.8	14.5
160	13.2	13.5	13.7	13.9	14.1	13.4
170	11.6	11.8	11.9	12.1	12.3	11.8
180	10.2	10.3	10.4	10.6	10.7	10.3
185						9.6

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