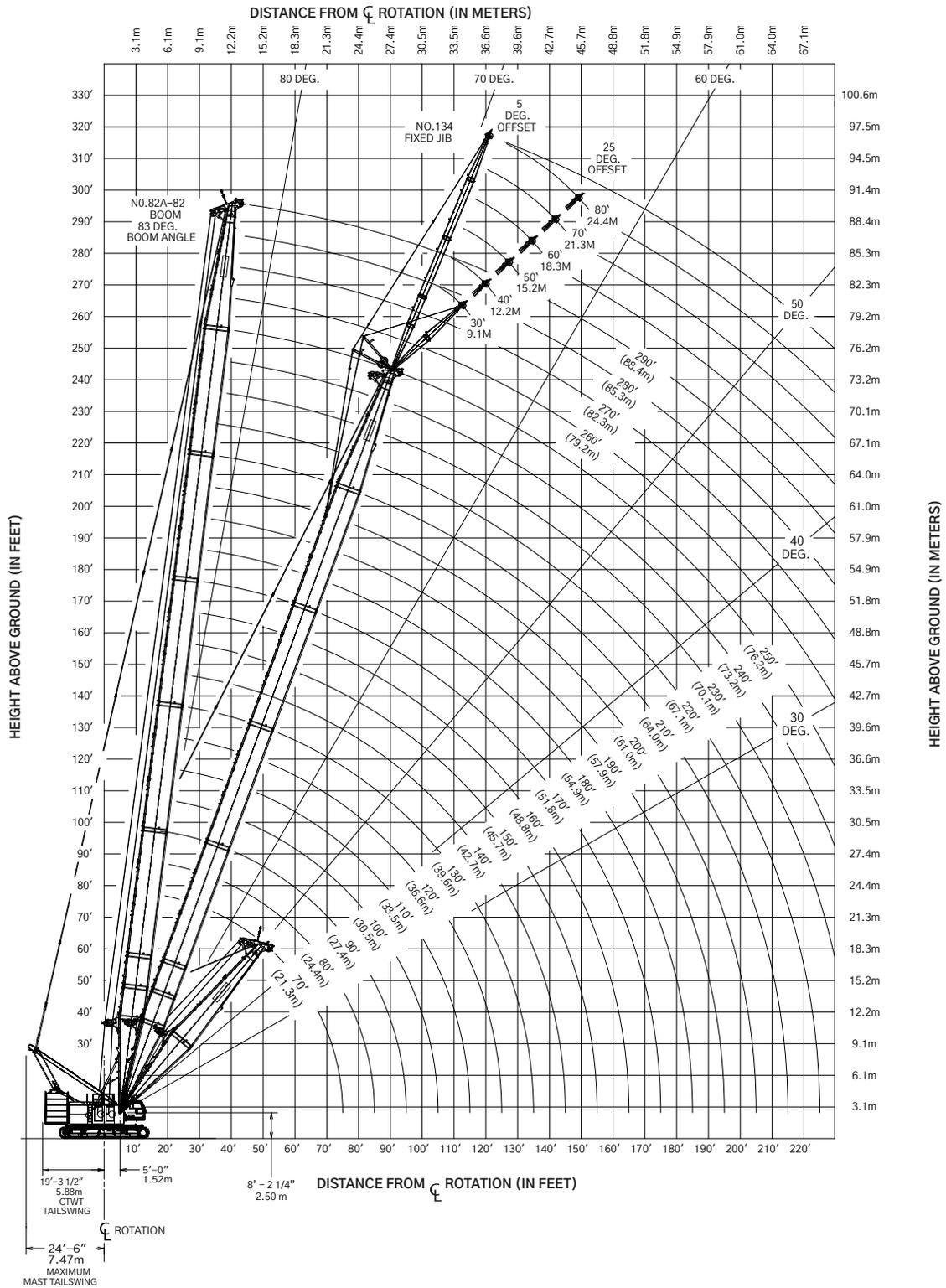


MAIN BOOM RANGE

B10:82A Boom



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MAIN BOOM - LOAD CHART

B10:82A Boom

219,600 lb upper counterweight + 80,000 lb lower counterweight

360°	lb x 1000											
Radius (ft)	Boom length (ft)											
	70	90	110	130	150	170	190	210	230	250	270	290
16	500.0	-	-	-	-	-	-	-	-	-	-	-
17	462.5	-	-	-	-	-	-	-	-	-	-	-
18	438.6	-	-	-	-	-	-	-	-	-	-	-
19	417.1	402.5	-	-	-	-	-	-	-	-	-	-
20	397.5	396.0	-	-	-	-	-	-	-	-	-	-
22	363.2	361.8	351.1	-	-	-	-	-	-	-	-	-
24	334.2	332.8	332.0	295.0	-	-	-	-	-	-	-	-
26	309.3	307.9	307.1	295.0	264.9	-	-	-	-	-	-	-
28	287.7	286.4	285.6	284.9	258.9	231.7	-	-	-	-	-	-
30	268.8	267.5	266.8	266.1	253.2	227.2	-	-	-	-	-	-
32	252.2	250.9	250.2	249.5	247.6	222.7	196.9	-	-	-	-	-
34	237.4	236.1	235.4	234.7	233.7	218.4	193.5	171.7	-	-	-	-
36	224.1	222.9	222.2	221.5	220.5	214.2	190.1	170.6	140.2	-	-	-
38	207.8	207.8	207.8	207.7	207.4	207.0	186.9	168.0	139.7	116.2	-	-
40	193.0	192.9	192.9	192.8	192.4	192.0	183.6	165.4	139.2	115.3	96.3	-
42	180.0	179.9	179.8	179.7	179.3	178.9	178.4	162.8	138.6	114.2	95.3	-
46	158.4	158.2	158.1	157.9	157.5	157.0	156.5	155.9	136.1	112.0	93.4	77.7
50	141.0	140.8	140.7	140.5	140.0	139.5	138.9	138.3	134.0	109.9	91.5	76.1
60	109.7	109.5	109.3	109.1	108.5	108.0	107.3	106.7	105.9	105.0	87.2	72.2
70	84.7	88.6	88.4	88.1	87.5	87.0	86.2	85.5	84.7	84.7	83.2	68.7
80	-	73.5	73.4	73.2	72.5	71.9	71.2	70.5	69.6	69.5	68.6	65.5
90	-	59.2	62.1	61.9	61.3	60.7	59.9	59.1	58.2	58.2	57.3	56.4
100	-	-	53.3	53.1	52.5	51.9	51.1	50.3	49.4	49.3	48.4	47.5
110	-	-	43.3	46.0	45.4	44.8	44.0	43.3	42.3	42.2	41.3	40.4
120	-	-	-	40.2	39.6	39.0	38.2	37.5	36.6	36.5	35.5	34.6
130	-	-	-	32.2	34.8	34.2	33.4	32.6	31.7	31.6	30.7	29.7
140	-	-	-	-	30.6	30.1	29.3	28.6	27.6	27.5	26.5	25.6
150	-	-	-	-	23.4	26.6	25.8	25.0	24.1	24.0	23.0	22.1
160	-	-	-	-	-	22.3	22.7	22.0	21.1	21.0	20.0	19.1
170	-	-	-	-	-	-	20.0	19.3	18.4	18.3	17.3	16.4
180	-	-	-	-	-	-	-	15.7	16.9	16.0	15.9	14.9
190	-	-	-	-	-	-	-	-	13.6	13.9	13.8	12.8
200	-	-	-	-	-	-	-	-	10.1	11.0	11.9	10.9
210	-	-	-	-	-	-	-	-	-	8.1	9.5	9.2
220	-	-	-	-	-	-	-	-	-	5.1	6.9	6.8
230	-	-	-	-	-	-	-	-	-	-	4.4	4.5

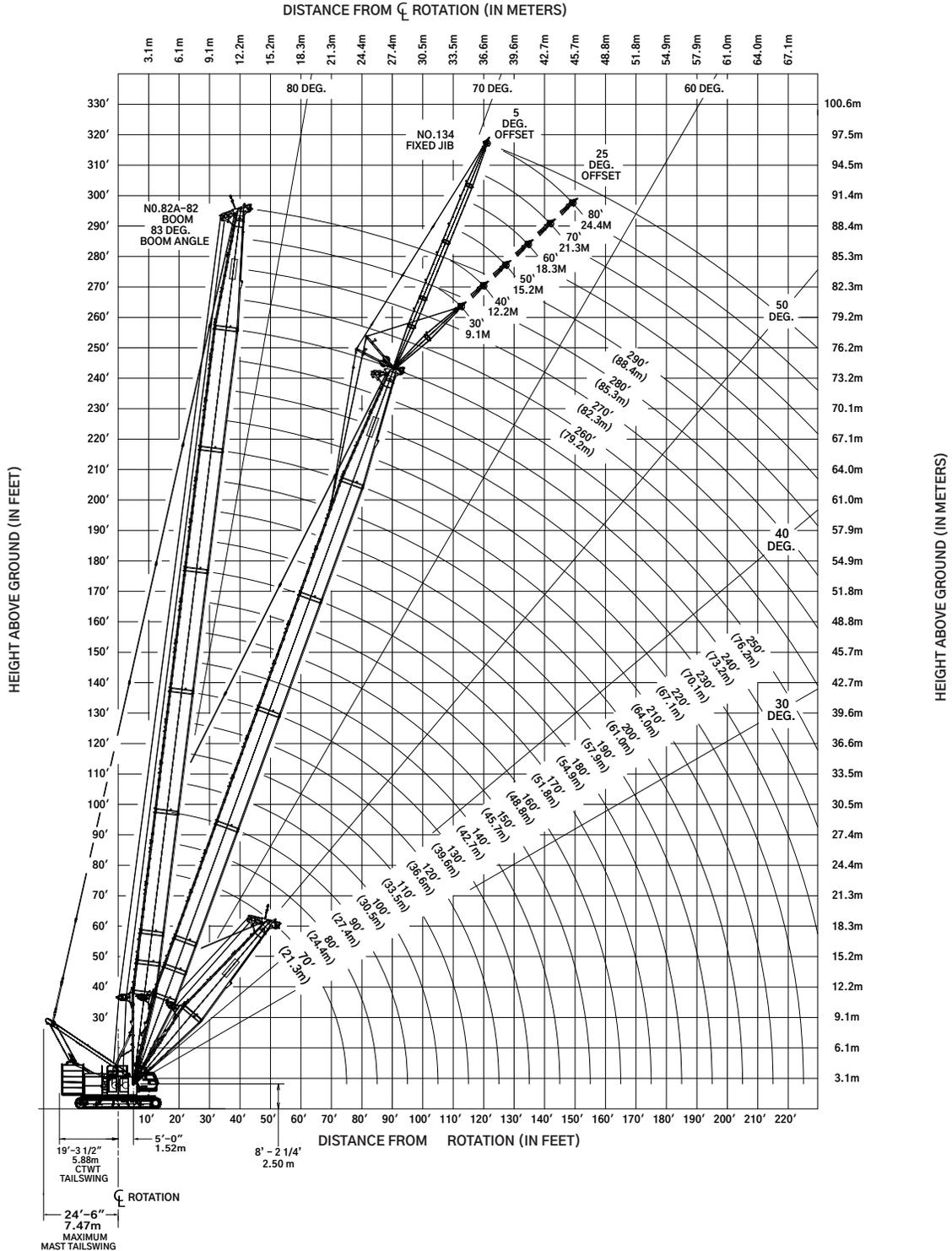
For complete chart, refer to www.cranelibrary.com.

THIS CHART IS ONLY A GUIDE AND SHOULD NOT BE USED TO OPERATE THE CRANE.

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FIXED JIB - RANGE DIAGRAM

No. 134 Fixed Jib on B10:82A



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FIXED JIB - LOAD CHART

No. 134 Fixed Jib on B10:82A Boom Series 3

219,600 lb upper counterweight + 80,000 lb lower counterweight

360°	lb x 1000				
30 ft Jib at 5° Offset					
Radius (ft)	Boom length (ft)				
	90	120	150	180	210
30	59.0	-	-	-	-
35	59.0	59.0	-	-	-
40	59.0	59.0	59.0	-	-
45	59.0	59.0	59.0	59.0	59.0
50	59.0	59.0	59.0	59.0	59.0
55	58.7	59.0	59.0	59.0	59.0
60	57.5	59.0	59.0	59.0	59.0
65	56.3	58.6	59.0	59.0	59.0
70	55.3	57.6	59.0	59.0	59.0
75	54.4	56.7	58.2	58.9	58.9
80	53.5	55.9	57.4	58.1	58.2
85	52.8	55.0	56.6	57.4	57.6
90	51.5	54.2	55.9	56.8	57.0
95	48.8	53.6	55.1	56.1	55.6
100	46.3	53.0	54.1	52.8	51.4
110	42.2	48.3	47.0	45.8	44.3
120	-	42.6	41.2	40.0	38.5
130	-	37.7	36.4	35.2	33.7
140	-	33.6	32.3	31.1	29.6
150	-	-	28.8	27.6	26.1
160	-	-	25.7	24.5	23.0
170	-	-	22.0	21.9	20.4
180	-	-	-	19.5	18.0
190	-	-	-	16.7	15.9
200	-	-	-	13.2	14.0
210	-	-	-	-	11.5
220	-	-	-	-	8.8
230	-	-	-	-	6.0

360°	lb x 1000				
40 ft Jib at 5° Offset					
Radius (ft)	Boom length (ft)				
	90	120	150	180	210
30	55.3	-	-	-	-
35	53.6	54.6	-	-	-
40	52.2	53.3	53.7	-	-
45	50.8	52.2	52.8	52.7	-
50	49.5	51.0	51.8	51.9	51.4
55	48.4	50.0	50.9	51.1	50.8
60	47.3	49.0	50.0	50.4	50.1
65	46.1	48.1	49.2	49.7	49.6
70	45.2	47.2	48.4	49.0	48.9
75	44.3	46.3	47.6	48.3	48.4
80	43.5	45.5	47.0	47.7	47.8
85	42.8	44.9	46.2	47.1	47.2
90	41.0	44.2	45.6	46.5	46.7
95	38.9	43.5	45.0	45.9	46.2
100	37.0	42.9	44.4	45.3	45.8
110	33.8	40.6	43.3	44.4	44.9
120	31.1	37.4	41.9	40.7	39.2
130	-	34.7	37.1	35.8	34.3
140	-	32.4	33.0	31.7	30.2
150	-	30.4	29.4	28.2	26.7
160	-	-	26.4	25.1	23.6
170	-	-	23.7	22.4	20.9
180	-	-	20.1	20.1	18.6
190	-	-	-	17.9	16.4
200	-	-	-	15.2	14.5
210	-	-	-	12.0	12.8
220	-	-	-	-	10.3
230	-	-	-	-	7.8

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FIXED JIB - LOAD CHART

No. 134 Fixed Jib on B10:82A Boom Series 3

219,600 lb upper counterweight + 80,000 lb lower counterweight

360°	lb x 1000				
50 ft Jib at 5° Offset					
Radius (ft)	Boom length (ft)				
	90	120	150	180	210
35	45.4	-	-	-	-
40	44.1	45.0	-	-	-
45	42.9	43.9	44.4	-	-
50	41.7	42.9	43.5	43.6	-
55	40.7	42.0	42.7	42.9	42.7
60	39.7	41.1	42.0	42.2	42.1
65	38.7	40.3	41.2	41.6	41.5
70	37.7	39.5	40.5	41.0	41.0
75	36.7	38.8	39.8	40.4	40.4
80	35.8	37.9	39.1	39.8	39.9
85	34.9	37.1	38.5	39.2	39.4
90	34.1	36.3	37.9	38.7	39.0
95	33.3	35.5	37.3	38.2	38.5
100	31.6	34.9	36.6	37.7	38.0
110	28.7	33.6	35.3	36.6	37.2
120	26.3	31.4	34.2	35.6	36.4
130	24.3	29.0	33.2	34.5	34.8
140	-	27.1	31.4	32.2	30.7
150	-	25.3	29.3	28.7	27.2
160	-	23.8	26.9	25.6	24.1
170	-	-	24.2	22.9	21.4
180	-	-	21.8	20.5	19.0
190	-	-	18.4	18.4	16.9
200	-	-	-	16.5	15.0
210	-	-	-	13.8	13.3
220	-	-	-	10.8	11.6
230	-	-	-	-	9.1
240	-	-	-	-	6.8

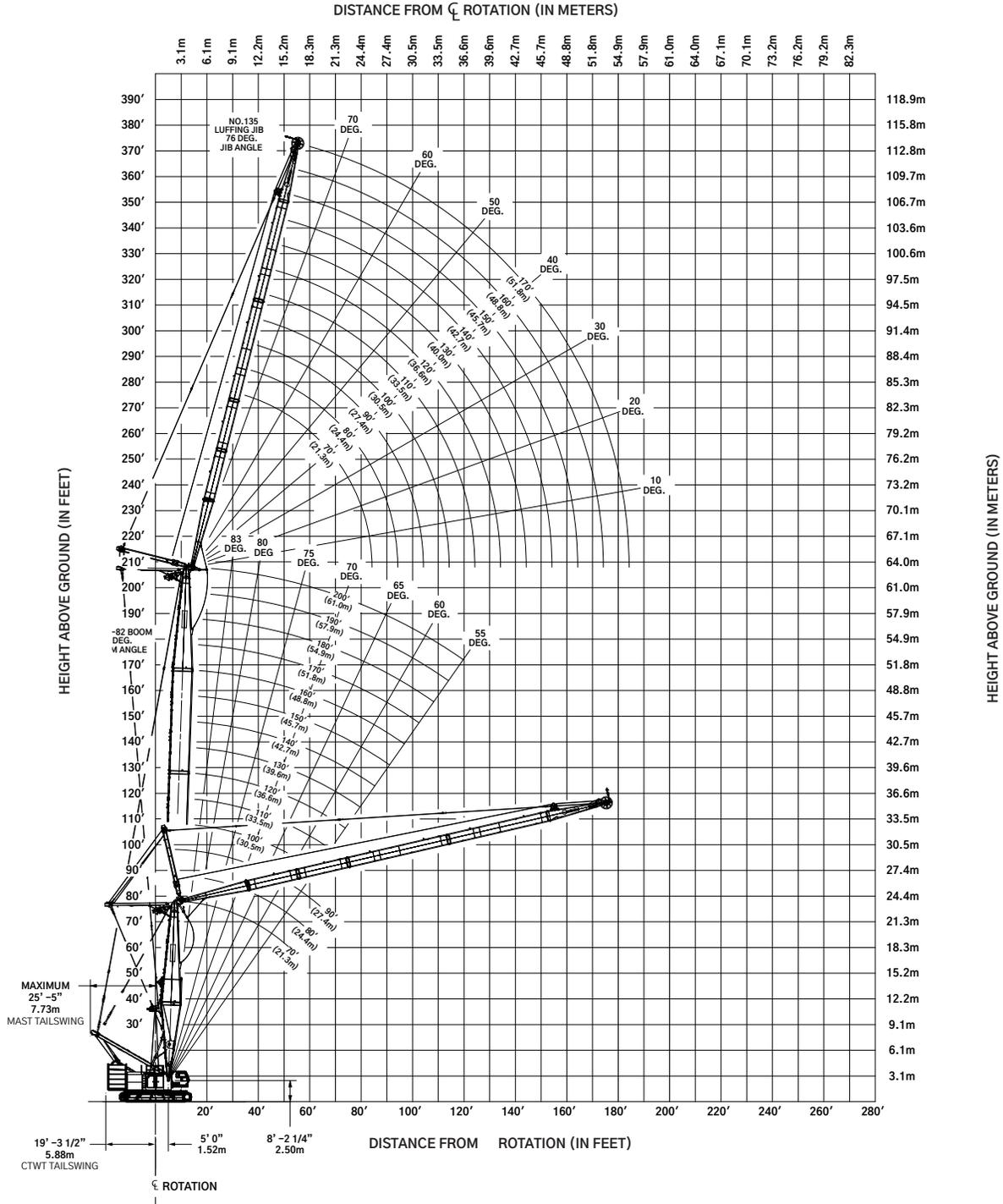
360°	lb x 1000				
60 ft Jib at 5° Offset					
Radius (ft)	Boom length (ft)				
	90	120	150	180	210
35	39.1	-	-	-	-
40	38.0	38.6	-	-	-
45	36.9	37.7	38.0	-	-
50	35.9	36.9	37.3	37.3	-
55	34.8	36.0	36.6	36.7	36.5
60	33.8	35.2	35.9	36.1	36.0
65	32.7	34.3	35.2	35.5	35.5
70	31.9	33.4	34.5	34.9	34.9
75	31.0	32.6	33.8	34.4	34.5
80	30.2	31.9	33.1	33.8	34.0
85	29.4	31.2	32.5	33.3	33.5
90	28.7	30.5	31.8	32.7	33.1
95	28.0	29.9	31.2	32.1	32.7
100	27.3	29.2	30.6	31.6	32.2
110	25.1	28.1	29.5	30.5	31.2
120	22.9	27.0	28.5	29.6	30.3
130	21.1	25.1	27.6	28.7	29.5
140	19.5	23.3	26.7	27.8	28.7
150	-	21.7	25.1	27.1	27.5
160	-	20.3	23.5	26.0	24.4
170	-	19.1	22.1	23.3	21.7
180	-	-	20.9	20.9	19.4
190	-	-	19.8	18.8	17.2
200	-	-	16.7	16.9	15.3
210	-	-	-	15.1	13.6
220	-	-	-	12.4	12.1
230	-	-	-	9.7	10.2
240	-	-	-	-	8.0
250	-	-	-	-	5.8

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LUFFING JIB - LOAD CHART

No. 149 Luffing Jib on B10:82A Boom



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LUFFING JIB - LOAD CHART

LJ10:149 Luffing Jib on B10:82A Boom Series 3

219,600 lb upper counterweight + 80,000 lb lower counterweight

360°	lb x 1000				
70 ft Luffing Jib Length					
Radius (ft)	Boom length (ft)				
	80	120	140	180	200
30	160.0	-	-	-	-
32	160.0	150.7	142.6	-	-
34	160.0	145.4	140.3	98.0	-
36	160.0	140.3	136.2	96.6	81.1
38	157.8	135.5	132.0	95.3	79.9
40	151.5	131.0	128.1	93.9	78.7
45	137.6	120.7	118.9	90.5	75.8
50	125.9	111.8	110.8	87.3	73.1
55	114.6	104.0	103.6	84.5	70.7
60	101.8	97.3	97.3	81.5	68.6
65	91.4	91.4	90.8	75.2	66.1
70	82.8	86.4	83.1	69.8	61.7
75	72.9	82.1	77.3	65.5	58.0
80	50.0	67.4	68.1	62.9	55.6

360°	lb x 1000				
120 ft Luffing Jib Length					
Radius (ft)	Boom length (ft)				
	80	120	140	180	200
41	126.8	-	-	-	-
45	120.0	96.7	84.0	63.3	54.4
50	111.6	94.6	83.0	61.6	53.2
55	103.6	90.4	79.9	60.7	51.9
60	96.5	85.1	78.8	58.1	50.4
65	90.2	80.3	76.0	57.4	49.0
70	81.7	75.9	70.9	55.9	48.3
75	74.3	71.9	65.6	53.8	47.1
80	68.0	67.4	60.8	50.2	44.6
90	57.8	57.2	52.0	44.0	39.4
100	49.9	49.0	44.9	38.5	34.7
110	43.6	42.6	39.3	34.1	30.9
120	38.5	37.8	35.1	30.8	28.0
130	25.1	34.8	33.3	29.2	26.5

170 ft Luffing Jib Length				
Radius (ft)	Boom length (ft)			
	80	120	140	180
53	71.9	-	-	-
55	71.6	59.8	53.7	-
60	71.1	59.0	52.9	41.9
65	70.5	57.9	52.1	41.3
70	69.9	57.4	50.8	40.5
75	69.2	56.3	50.4	39.6
80	67.2	55.5	49.6	38.8
90	56.7	51.0	46.2	37.3
100	48.5	45.4	41.2	33.8
110	42.1	40.2	36.6	30.3
120	36.9	35.5	32.6	27.2
130	32.5	31.6	28.9	24.5
140	28.8	28.2	25.9	22.0
150	25.7	25.3	23.4	20.0
160	23.0	23.1	21.3	18.4
170	20.6	21.4	19.9	17.2
180	12.7	18.9	19.0	16.7

240 ft Luffing Jib Length				
Radius (ft)	Boom length (ft)			
	80	120	140	180
70	34.8	-	-	-
75	34.3	30.5	27.9	23.6
80	33.9	30.2	27.7	23.4
90	33.0	29.6	27.2	22.8
100	32.2	29.0	26.6	22.1
110	31.4	28.4	25.9	21.4
120	30.7	27.9	25.3	20.7
130	29.7	26.5	24.3	19.8
140	25.9	24.4	22.4	18.3
150	22.7	22.5	20.7	16.8
160	20.0	20.7	18.9	15.4
170	17.6	19.0	17.3	14.2
180	15.5	17.5	16.0	13.0
190	13.6	16.1	14.7	12.0
200	11.9	14.4	13.6	11.1
210	10.4	12.8	12.6	10.3
220	9.0	11.3	11.8	9.6
230	7.8	10.0	10.8	9.0
240	6.7	8.7	9.3	7.9
250	-	5.9	6.3	6.8

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