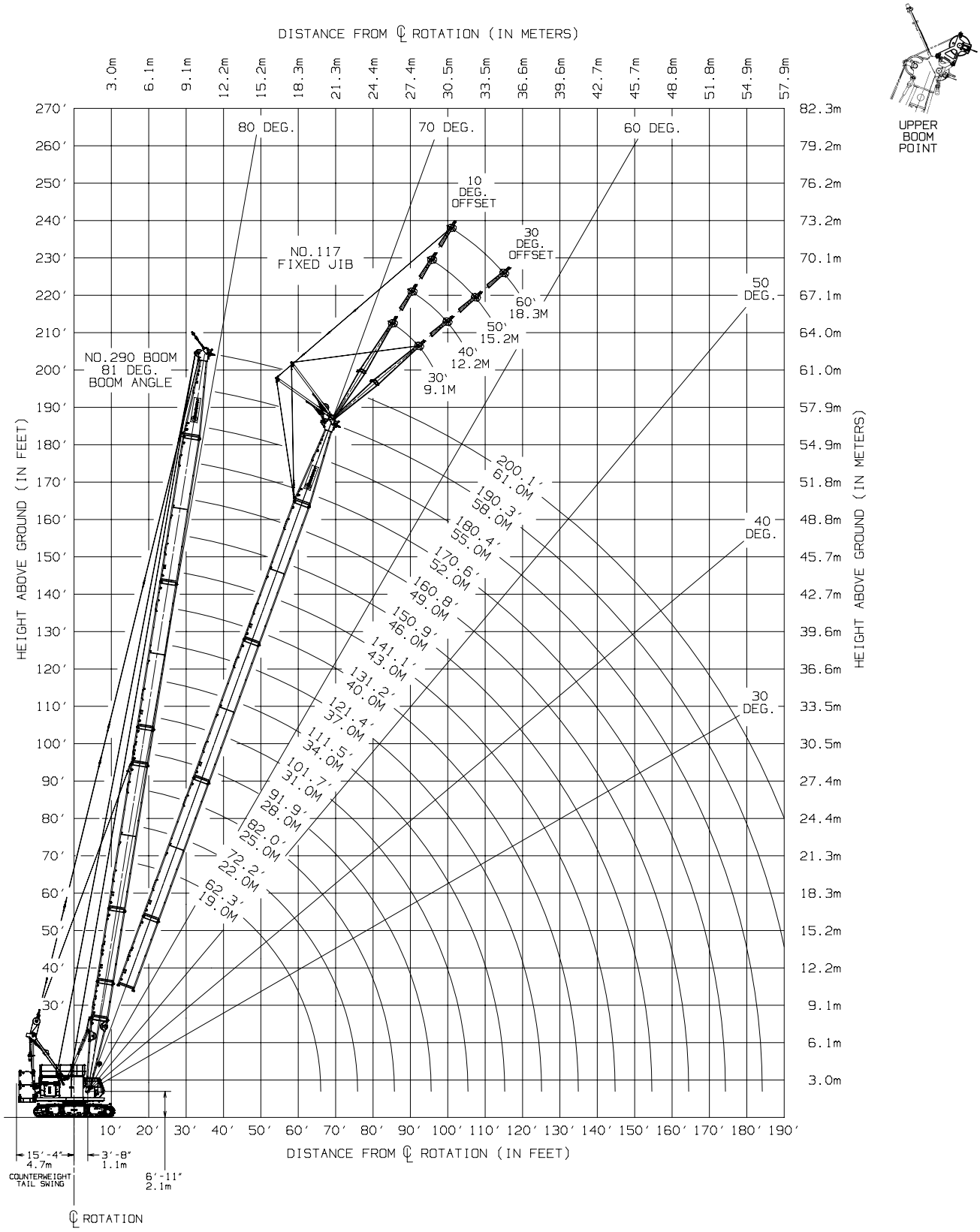
Main boom range diagram

B10:290 boom



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Main boom load chart

B10:290 boom

73,000 lb upper counterweight, 23,100 lb carbody counterweight

360°	lb x 1000											
Radius (ft)	Boom Length (ft)											
	62	82	92	102	112	121	131	141	151	161	180	200
15	174.9											
16	165.5											
18	147.8	142.8										
20	133.4	133.3	126.9									
22	115.9	116.2	116.1	114.5	105.9							
24	101.4	101.6	101.6	101.5	101.4	96.1						
26	90.0	90.2	90.2	90.0	89.9	89.8	87.4					
28	80.8	81.0	80.9	80.8	80.7	80.5	80.4	77.8				
30	73.2	73.4	73.3	73.2	73.1	72.9	72.8	72.6	70.7	62.9		
34	61.5	61.6	61.6	61.4	61.3	61.1	61.0	60.8	60.6	60.4	46.0	
38	52.8	52.9	52.9	52.7	52.6	52.4	52.2	52.1	51.9	51.7	44.7	38.3
42	46.1	46.3	46.2	46.0	45.9	45.7	45.5	45.3	45.1	44.9	43.2	37.4
46	40.8	41.0	40.9	40.7	40.6	40.4	40.2	40.0	39.8	39.6	39.2	36.4
50	36.5	36.6	36.6	36.4	36.2	36.0	35.9	35.7	35.5	35.3	34.9	34.4
55	32.1	32.3	32.2	32.0	31.9	31.7	31.5	31.3	31.1	30.9	30.5	29.9
60	28.6	28.7	28.7	28.5	28.3	28.1	28.0	27.7	27.5	27.3	26.9	26.4
65		25.8	25.8	25.5	25.4	25.2	25.0	24.8	24.6	24.4	23.9	23.4
70		23.3	23.3	23.1	22.9	22.7	22.5	22.3	22.1	21.9	21.5	20.9
75		21.2	21.2	21.0	20.8	20.6	20.4	20.2	20.0	19.8	19.4	18.8
80		19.4	19.4	19.2	19.0	18.8	18.6	18.4	18.2	17.9	17.5	17.0
85			17.8	17.6	17.4	17.2	17.0	16.8	16.6	16.4	15.9	15.4
90			16.4	16.2	16.0	15.8	15.6	15.4	15.2	15.0	14.5	14.0
95				14.9	14.8	14.5	14.4	14.2	14.0	13.7	13.3	12.7
100					13.7	13.4	13.3	13.1	12.9	12.6	12.2	11.6
105					12.7	12.4	12.3	12.1	11.9	11.6	11.2	10.6
110						11.5	11.4	11.2	11.0	10.7	10.3	9.7
115						10.7	10.6	10.4	10.2	9.9	9.5	8.9
120							9.9	9.6	9.4	9.2	8.8	8.2
125							9.2	8.9	8.7	8.5	8.1	7.5
130								8.3	8.1	7.9	7.4	6.9
135								7.7	7.5	7.3	6.9	6.3
140									7.0	6.8	6.3	5.8
145									6.5	6.3	5.8	5.3
150										5.8	5.4	4.8
155										5.1	4.9	4.4
160											4.5	4.0
165											4.1	

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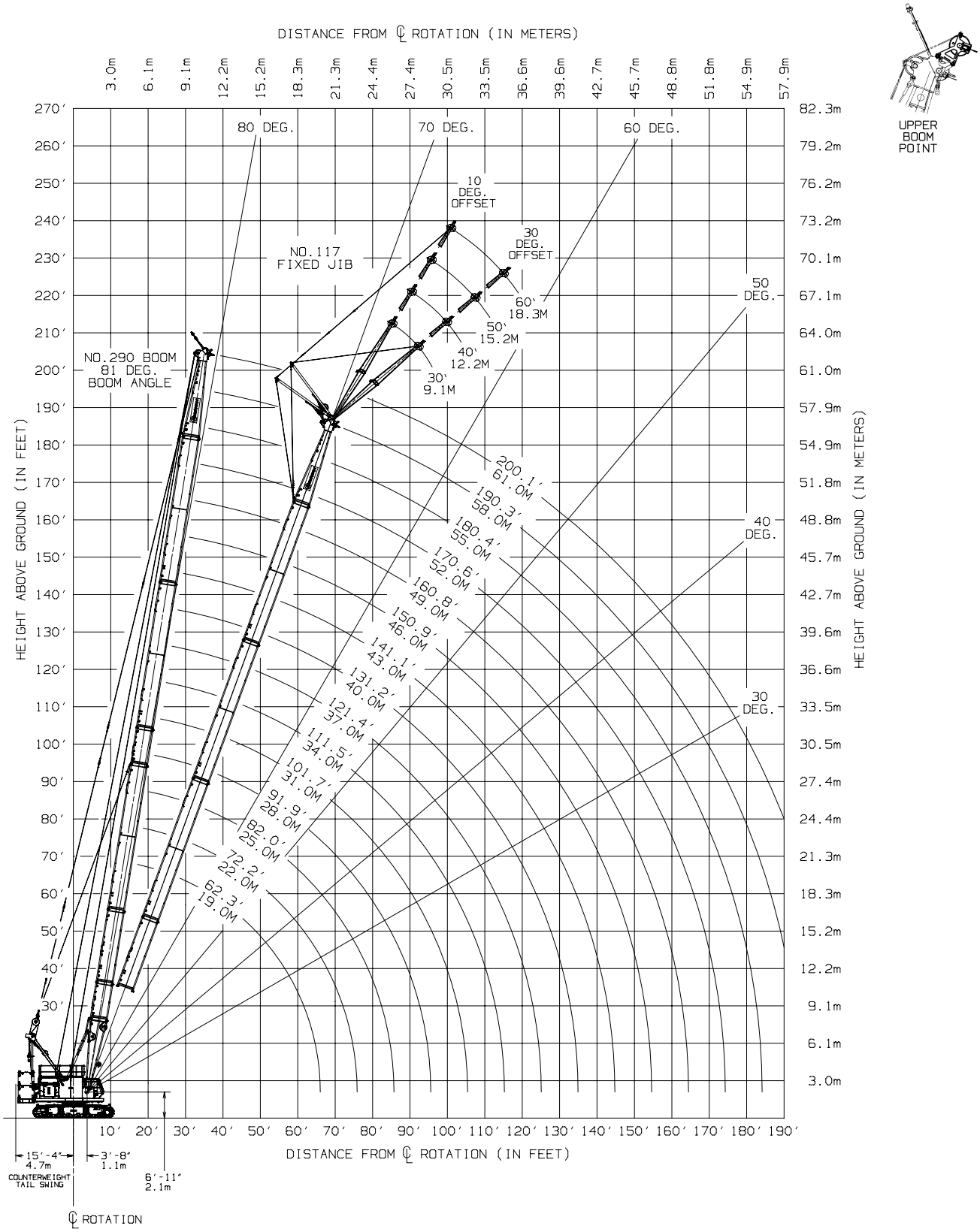
Fixed jib working range

J10:117 fixed jib on B10:290 boom



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Fixed jib load chart

FJ10:117 fixed jib on B10:290 boom

73,000 lb upper counterweight, 23,100 lb carbody counterweight

360°	lb x 1000

30 ft jib at 10° offset

Radius (ft)	Boom Length (ft)				
	62	92	121	151	180
26	27.6				
30	27.6				
34	27.6	27.6			
38	27.6	27.6	27.6		
42	27.6	27.6	27.6	27.6	
46	27.6	27.6	27.6	27.6	27.6
50	27.6	27.6	27.6	27.6	27.6
60	27.2	27.6	27.6	27.4	26.7
70	23.9	23.5	22.7	22	21.3
80	20.2	19.5	18.8	18.1	17.3
90	17.1	16.5	15.8	15.1	14.3
100		14.2	13.4	12.7	12
110		12.3	11.5	10.8	10.1
120		10.6	9.9	9.3	8.5
130			8.6	7.9	7.2
140			7.5	6.8	6.1
150				5.9	5.1
160				5	4.3
170				4.2	3.5
180					2.8

40 ft jib at 10° offset

Radius (ft)	Boom Length (ft)				
	62	92	121	151	180
30	26.5				
34	25.9				
38	25.4	25.9			
42	25	25.6	25.7		
46	24.6	25.3	25.5	25.2	
50	24.1	25	25.3	25.1	24.3
60	23.3	24.3	24.8	24.7	24.1
70	21.1	23.7	23.1	22.4	21.6
80	18.9	19.8	19.1	18.4	17.7
90	17.1	16.8	16.1	15.4	14.7
100	15	14.5	13.7	13	12.3
110		12.5	11.8	11.1	10.4
120		10.9	10.2	9.5	8.8
130		9.6	8.9	8.2	7.5
140			7.7	7.1	6.3
150			6.7	6.1	5.4
160				5.2	4.5
170				4.5	3.8
180				3.7	3.1
190					2.3

50 ft jib at 10° offset

Radius (ft)	Boom Length (ft)				
	62	92	121	151	180
34	23				
38	22.5	22.8			
42	22.1	22.5			
46	21.7	22.2	22.3		
50	21.3	21.9	22.1	21.8	
60	20.5	21.2	21.6	21.5	20.9
70	18.3	20.7	21.1	21.1	20.7
80	16	20	19.3	18.6	17.9
90	14.3	17	16.3	15.6	14.9
100	13	14.7	13.9	13.2	12.5
110	12.2	12.7	12	11.3	10.6
120		11.1	10.4	9.7	9
130		9.8	9.1	8.4	7.7
140		8.6	7.9	7.3	6.5
150			6.9	6.3	5.5
160			6.1	5.4	4.7
170				4.7	3.9
180				4	3.3
190				3.2	2.7

60 ft jib at 10° offset

Radius (ft)	Boom Length (ft)				
	62	92	121	151	180
38	20.3				
42	20	20.2			
46	19.6	19.9	19.9		
50	19.3	19.7	19.7	19.4	
60	18.4	19	19.2	19	17.5
70	16.8	18.4	18.7	18.7	17.1
80	14.6	17.8	18.3	18.3	16.8
90	12.8	17.1	16.4	15.7	15
100	11.5	14.8	14	13.4	12.6
110	10.4	12.9	12.1	11.4	10.7
120	9.8	11.3	10.5	9.8	9.1
130		10	9.2	8.5	7.8
140		8.8	8.1	7.4	6.7
150		7.7	7.1	6.4	5.7
160			6.2	5.6	4.8
170			5.5	4.8	4.1
180				4.1	3.4
190				3.5	2.8
200				2.7	2.1

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