

PVE AMERICAN CC110-1



Hydraulic Crawler Crane

LOAD CHART

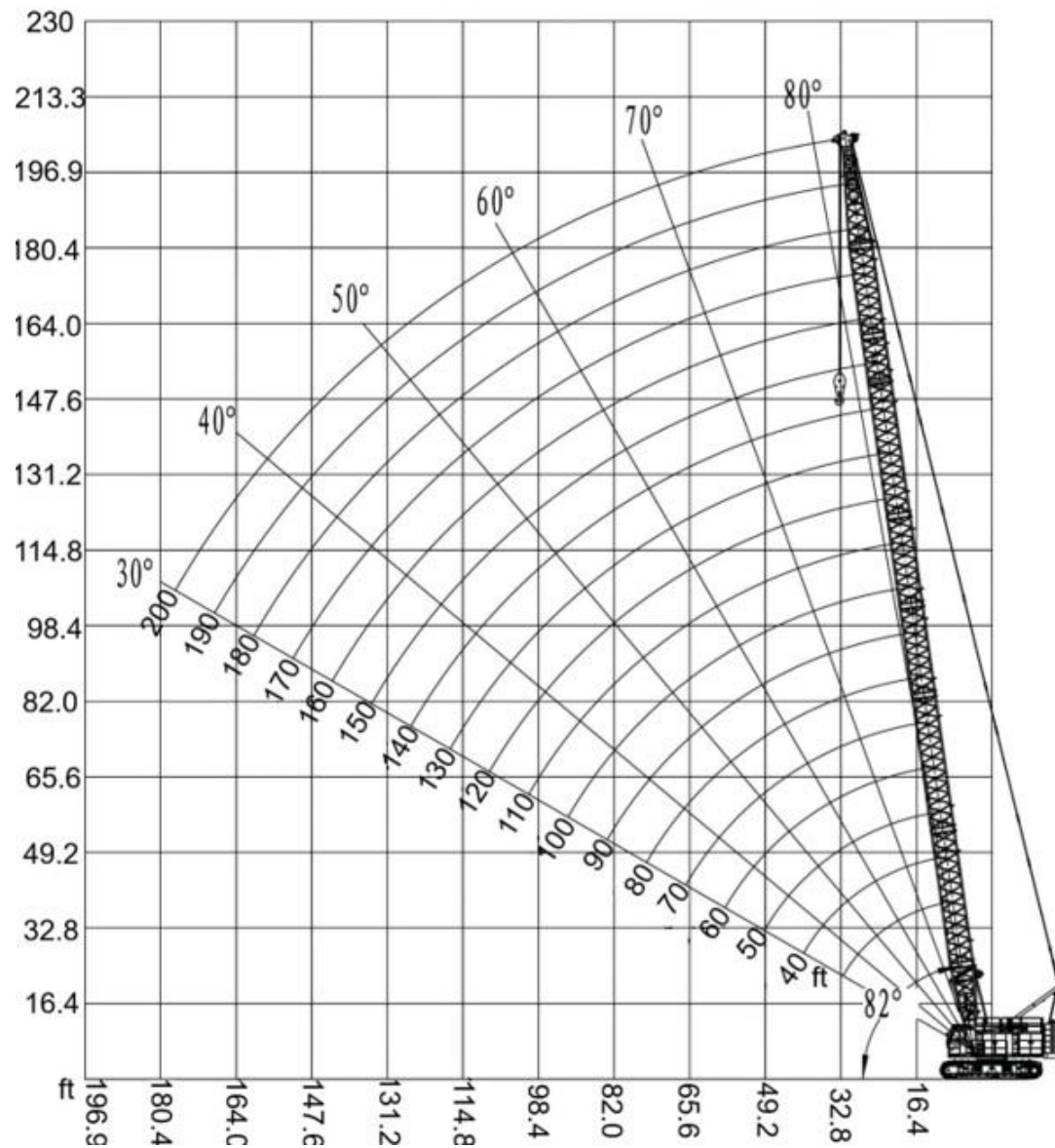
ENGLISH

IMPERIAL

Complies with ANSI / ASME B30.5

MAIN BOOM

Main boom 30°–82°, 43–200 ft | CW 71.5+33 klbs



Boom configuration

Section	40 ft	50 ft	60 ft	70 ft	80 ft	90 ft	100 ft	110 ft	120 ft	130 ft	140 ft	150 ft	160 ft	170 ft	180 ft	190 ft	200 ft
Boom foot	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
10 ft insert		1	1			1						1		1		1	
20 ft insert							1		1	1			1	1	2	2	3
30 ft insert A				1	1	1	1	2	2	2	2	2	2	2	2	2	2
30 ft insert B											1	1	1	1	1	1	1
Boom head	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

MAIN BOOM — LOAD CAPACITIES

Main boom 30°–82°, 43–200 ft | CW 71.5+33 klbs

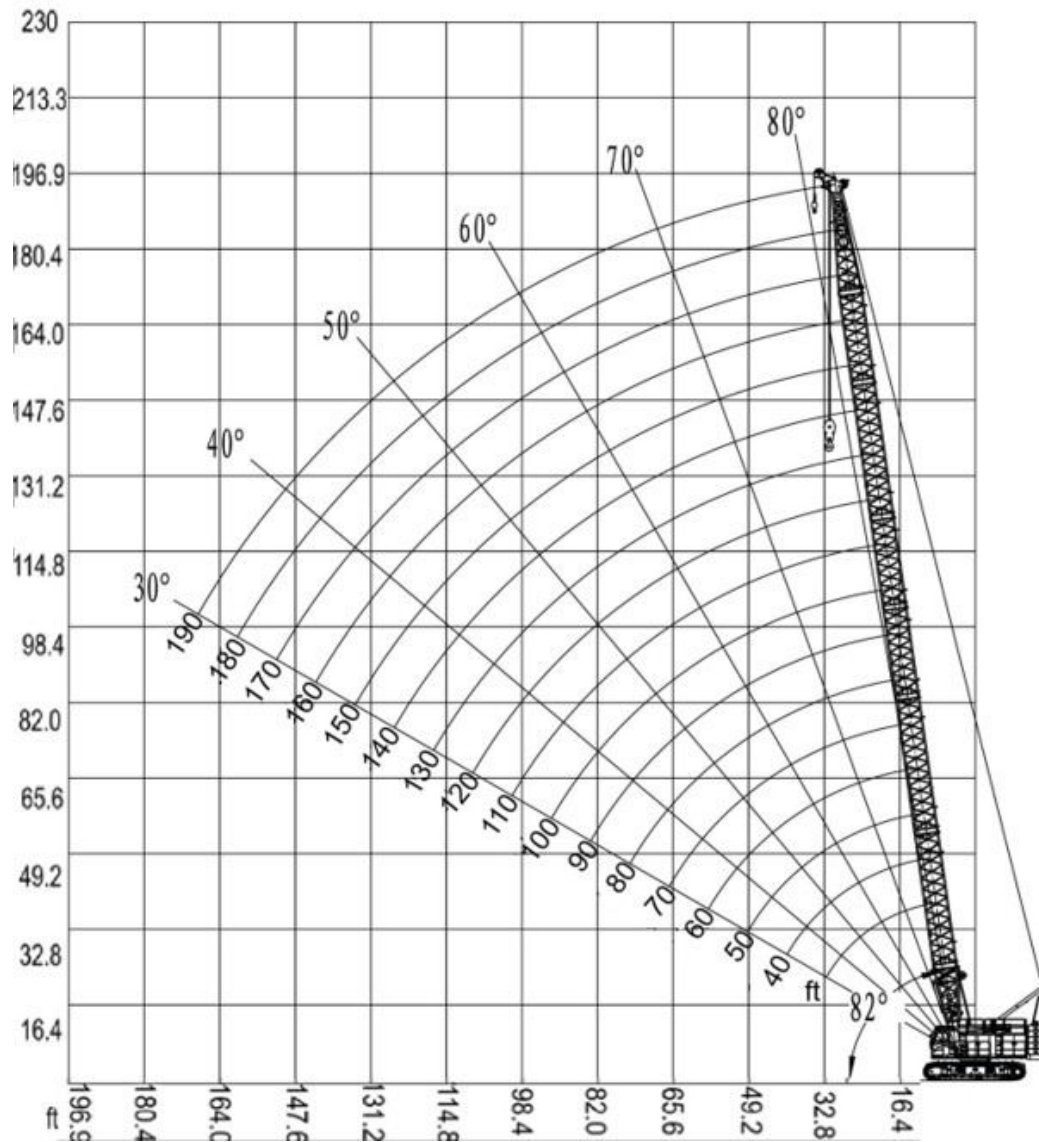
Lifting capacity (lbs × 1,000) by working radius

Radius (ft)	43 ft	52 ft	62 ft	72 ft	82 ft	92 ft	102 ft	112 ft	121 ft	131 ft	141 ft	151 ft	161 ft	171 ft	180 ft	190 ft	200 ft
11.5	220	188															
13.1	209	187	169.4														
14.8	186	185	168.3	161													
16.4	167	166	166.3	158.6	134.8												
18.0	157	156	156.2	155.3	132.4	119.5	113										
19.7	144	144	143	141.9	128.3	117.5	111.5	101	99								
23.0	115.5	115	115.5	115.3	115.3	115.3	109.1	97.9	97	92	85.6						
26.2	95	95	94.8	94.8	94.8	94.6	94.6	93.1	92.8	88.9	82.7	78.1	69.1	59.6			
29.5	80.7	80.5	80.5	80.5	80.3	80.3	80.1	79.9	79.9	75.9	71.3	68.6	63.1	58.3	55.4	48.8	
32.8	69.8	69.8	69.5	69.5	69.1	69.1	68.9	68.9	68.6	68.6	68.4	68.4	64.3	53.7	51.7	47.1	39.4
39.4	54.8	54.5	54.6	54.6	54.3	54.1	54.1	53.9	53.5	53.5	53.2	53.2	53	52.6	50.4	44.7	36.1
45.9		44.6	44.4	44.4	44.2	44	43.8	43.8	43.6	43.3	43.1	43.1	42.7	42.5	42.2	42	34.8
52.5			37.6	37.4	37.2	37	36.7	36.5	36.3	36.3	35.9	35.9	35.6	35.4	35	34.8	34.5
59.0				32.1	31.7	31.7	31.5	31.2	31	30.8	30.6	30.6	30.4	29.9	29.7	29.3	29
65.6				27.9	27.7	27.5	27.3	27.1	26.8	26.8	26.4	26.4	26.2	25.7	25.5	25.1	24.9
72.2					24.4	24.2	24	23.8	23.5	23.3	23.1	22.9	22.7	22.4	22.2	21.8	21.6
78.7						21.6	21.3	21.1	20.9	20.7	20.2	20.2	20	19.6	19.4	19.1	18.7
85.3							19.1	18.9	18.5	18.5	18	18	17.6	17.4	17.2	16.7	16.5
91.8							17.4	16.9	16.7	16.5	16.3	16.1	15.8	15.4	15.2	15	14.5
98.4								15.4	15.2	15	14.5	14.5	14.3	13.9	13.4	13.2	13
105.0									13.9	13.6	13.2	13	12.8	12.5	12.1	11.7	11.7
111.5										12.3	12.1	11.9	11.7	11.2	11	10.6	10.3
118.1											11.2	11	10.8	10.6	10.1	9.9	9.2
124.6												9.9	9.9	9.5	9.2	8.8	8.1
131.2													9	8.6	8.4	7.9	7.3
137.8														7.9	7.5	7.3	6.6
144.3															6.8	6.6	5.9
150.9															6.4	5.9	5.3
157.4																5.3	4.6
164.0																	4.2
170.6																	3.7
177.1																	3.1

Values are nominal load chart capacities. Always verify against the active operation manual for the lift duty.

RUNNER

Main boom + runner | CW 71.5+33 klbs



Boom configuration

Section	40 ft	50 ft	60 ft	70 ft	80 ft	90 ft	100 ft	110 ft	120 ft	130 ft	140 ft	150 ft	160 ft	170 ft	180 ft	190 ft
Boom foot	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
10 ft insert		1	1			1						1		1		1
20 ft insert							1		1	1			1	1	2	2
30 ft insert A				1	1	1	1	2	2	2	2	2	2	2	2	2
30 ft insert B											1	1	1	1	1	1
Boom head	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

RUNNER — LOAD CAPACITIES

Main boom + runner | CW 71.5+33 klbs

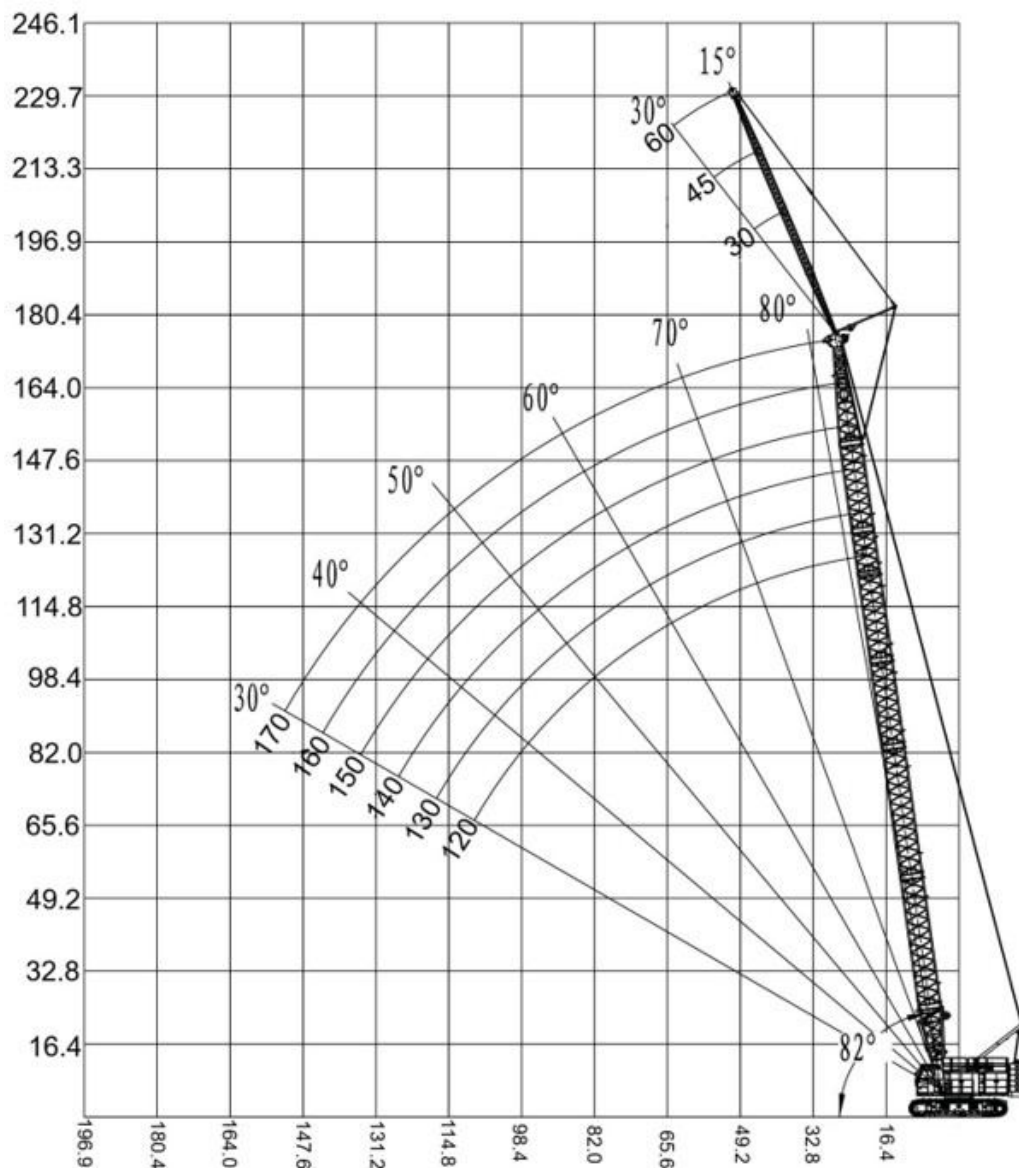
Lifting capacity (lbs × 1,000) by working radius

Radius (ft)	43 ft	52 ft	62 ft	72 ft	82 ft	92 ft	102 ft	112 ft	121 ft	131 ft	141 ft	151 ft	161 ft	171 ft	180 ft	190 ft
14.4	22															
15.7	22	22														
16.4	22	22														
17.1	22	22	22													
18.4	22	22	22	22												
19.7	22	22	22	22	22											
21.3	22	22	22	22	22	22										
22.6	22	22	22	22	22	22	22									
23.0	22	22	22	22	22	22	22	22								
23.9	22	22	22	22	22	22	22	22	22							
25.3	22	22	22	22	22	22	22	22	22	22						
26.2	22	22	22	22	22	22	22	22	22	22	22					
26.6	22	22	22	22	22	22	22	22	22	22	22	22				
27.9	22	22	22	22	22	22	22	22	22	22	22	22	22			
29.5	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
30.8	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
32.1	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
32.8	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
33.5	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
34.8	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
39.4	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
45.6	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
45.9		22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
52.5		22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
54.1		22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
59.0			22	22	22	22	22	22	22	22	22	22	22	22	22	22
62.7			22	22	22	22	22	22	22	22	22	22	22	22	22	22
65.6				22	22	22	22	22	22	22	22	22	22	22	22	22
71.2				22	22	22	22	22	22	22	22	22	22	22	22	22
72.2					22	22	22	22	22	22	22	22	21.6	21.1	20.9	20.7
78.7					20.7	20.5	20.5	20.2	20	19.8	19.4	19.4	18.9	18.7	18.5	18
79.7					19.8	19.7	19.6	19.5	19.4	19.3	19.2	19	18.7	18.5	18.3	18
85.3						18.3	18.3	18	17.8	17.6	17.4	17.4	16.7	16.5	16.3	16
88.2						17.2	17.1	17	16.9	16.8	16.6	16.5	16.4	16	15.9	15.7
91.8							16.5	16.3	16.1	15.8	15.4	15.4	14.9	14.7	14.5	14.1
96.8							15	15	14.9	14.8	14.7	14.5	14.4	14.3	14.2	14
98.4								14.5	14.3	14.3	13.9	13.9	13.4	13.2	13	12.5
105.0								13.2	13	12.8	12.5	12.5	12.1	11.9	11.7	11.2
105.3								13	12.9	12.8	12.4	12.1	11.8	11.6	11.4	11
111.5									11.9	11.7	11.4	11.4	11	10.6	10.3	9.9
113.8									11.4	11.3	11.1	11	10.5	10.3	10.1	9.7
118.1										10.5	10.3	10.3	9.9	9.5	9.2	8.6
122.3										9.9	9.8	9.7	9.6	9.3	9.1	8.3
124.6											9.5	9.5	9	8.4	8.1	7.5
130.9											8.6	8.5	8.4	8.2	8	7.2
131.2												8.4	8.1	7.5	7.3	6.6
139.4												6.9	6.8	6.3	6	6
144.3												6.7	6.6	6.2	5.7	5.3
147.9													6.2	6	5.5	5
156.5														5.1	5	4.9
157.4															4.4	4

Values are nominal load chart capacities. Always verify against the active operation manual for the lift duty.

FIXED JIB 15°

Main boom + fixed jib at 15° | CW 71.5+33 klbs



Boom configuration

Section	120 ft	130 ft	140 ft	150 ft	160 ft	170 ft
Boom foot	1	1	1	1	1	1
10 ft insert				1		1
20 ft insert	1	1			1	1
30 ft insert A	2	2	2	2	2	2
30 ft insert B			1	1	1	1
Boom head	1	1	1	1	1	1

FIXED JIB 15° — LOAD CAPACITIES

Main boom + fixed jib at 15° | CW 71.5+33 klbs

Load capacities with 121 ft main boom

Radius (ft)	30 ft	44 ft	59 ft
33.0	35.2		
39.0	35.2	34.1	
46.0	35.2	33	26.4
52.0	30.1	30.6	26.4
59.0	25.5	26	26.4
66.0	21.8	22.2	22.8
72.0	18.9	19.4	19.8
79.0	16.9	16.9	17.4
85.0	14.7	15	15.4
92.0	13	13.4	13.8
98.0	11.7	11.9	12.3
105.0	10.6	10.6	11
112.0	9.7	9.7	10
118.0	8.6	8.8	9
125.0	7.7	7.9	8.1
131.0	7	7.3	7.5
138.0		6.6	6.8
144.0		6.2	6.2
151.0		5.7	5.7
157.0			5.2
164.0			5.3

Load capacities with 131 ft main boom

Radius (ft)	30 ft	44 ft	59 ft
39.0	35.2		
46.0	35.2	33	26.4
52.0	30	30.4	26.4
59.0	25.3	25.6	26.2
66.0	21.7	22	22.6
72.0	18.8	19	19.6
79.0	16.5	16.7	17.2
85.0	14.5	14.7	15.2
92.0	12.9	13.1	13.5
98.0	11.4	11.7	12
105.0	10.2	10.5	10.8
112.0	9.2	9.5	9.7
118.0	8.3	8.5	8.8
125.0	7.5	7.7	7.9
131.0	6.7	6.9	7.2
138.0	6.2	6.3	6.5
144.0	5.7	5.7	5.9
151.0		5.2	5.4
157.0		4.8	5
164.0			4.5
171.0			4.4

Values are nominal load chart capacities. Always verify against the active operation manual for the lift duty.

FIXED JIB 15° — LOAD CAPACITIES

Main boom + fixed jib at 15° | CW 71.5+33 klbs

Load capacities with 141 ft main boom

Radius (ft)	30 ft	44 ft	59 ft
39.0	35.2		
46.0	35.2	32.3	
52.0	29.6	29.9	26.4
59.0	25	25.2	25.9
66.0	21.3	21.6	22.1
72.0	18.4	18.7	19.3
79.0	16.1	16.3	16.8
85.0	14.1	14.4	14.7
92.0	12.4	12.7	13.1
98.0	11	11.3	11.7
105.0	9.8	10	10.5
112.0	8.8	9	9.4
118.0	7.8	8	8.4
125.0	7	7.3	7.5
131.0	6.4	6.5	6.8
138.0	5.7	5.8	6.2
144.0	5.2	5.3	5.5
151.0	4.6	4.7	5
157.0		4.3	4.5
164.0		3.9	4.1
171.0			3.6
177.0			3.5

Load capacities with 151 ft main boom

Radius (ft)	30 ft	44 ft	59 ft
39.0	35.2		
46.0	35.2	32.1	
52.0	29.5	29.8	26.4
59.0	24.8	25.1	25.6
66.0	21.1	21.5	22
72.0	18.3	18.5	19
79.0	15.8	16.2	16.6
85.0	14	14.2	14.6
92.0	12.2	12.5	12.9
98.0	10.9	11.1	11.4
105.0	9.7	9.9	10.2
112.0	8.6	8.8	9.1
118.0	7.6	7.8	8.1
125.0	6.8	7	7.4
131.0	6.1	6.3	6.6
138.0	5.5	5.6	5.9
144.0	4.8	5.1	5.3
151.0	4.4	4.5	4.7
157.0	3.9	4.1	4.3
164.0		3.6	3.9
171.0		3.2	3.4
177.0		3.1	3.1
184.0			2.8
190.0			2.6

Values are nominal load chart capacities. Always verify against the active operation manual for the lift duty.

FIXED JIB 15° — LOAD CAPACITIES

Main boom + fixed jib at 15° | CW 71.5+33 klbs

Load capacities with 161 ft main boom

Radius (ft)	30 ft	44 ft	59 ft
39.0	35.2		
46.0	35.2	31.9	
52.0	29.2	29.5	26.4
59.0	24.4	24.8	25.3
66.0	20.8	21.1	21.7
72.0	17.9	18.2	18.7
79.0	15.5	15.8	16.3
85.0	13.5	13.9	14.3
92.0	11.9	12.2	12.5
98.0	10.5	10.8	11.1
105.0	9.2	9.5	9.9
112.0	8.3	8.5	8.8
118.0	7.3	7.5	7.8
125.0	6.5	6.7	6.9
131.0	5.7	5.9	6.3
138.0	5.1	5.3	5.5
144.0	4.5	4.7	5
151.0	4	4.2	4.4
157.0	3.5	3.6	3.9
164.0	3.1	3.2	3.4
171.0	2.9	2.9	3.1
177.0		2.5	2.6
184.0		2.2	2.3
190.0			2
197.0			1.8

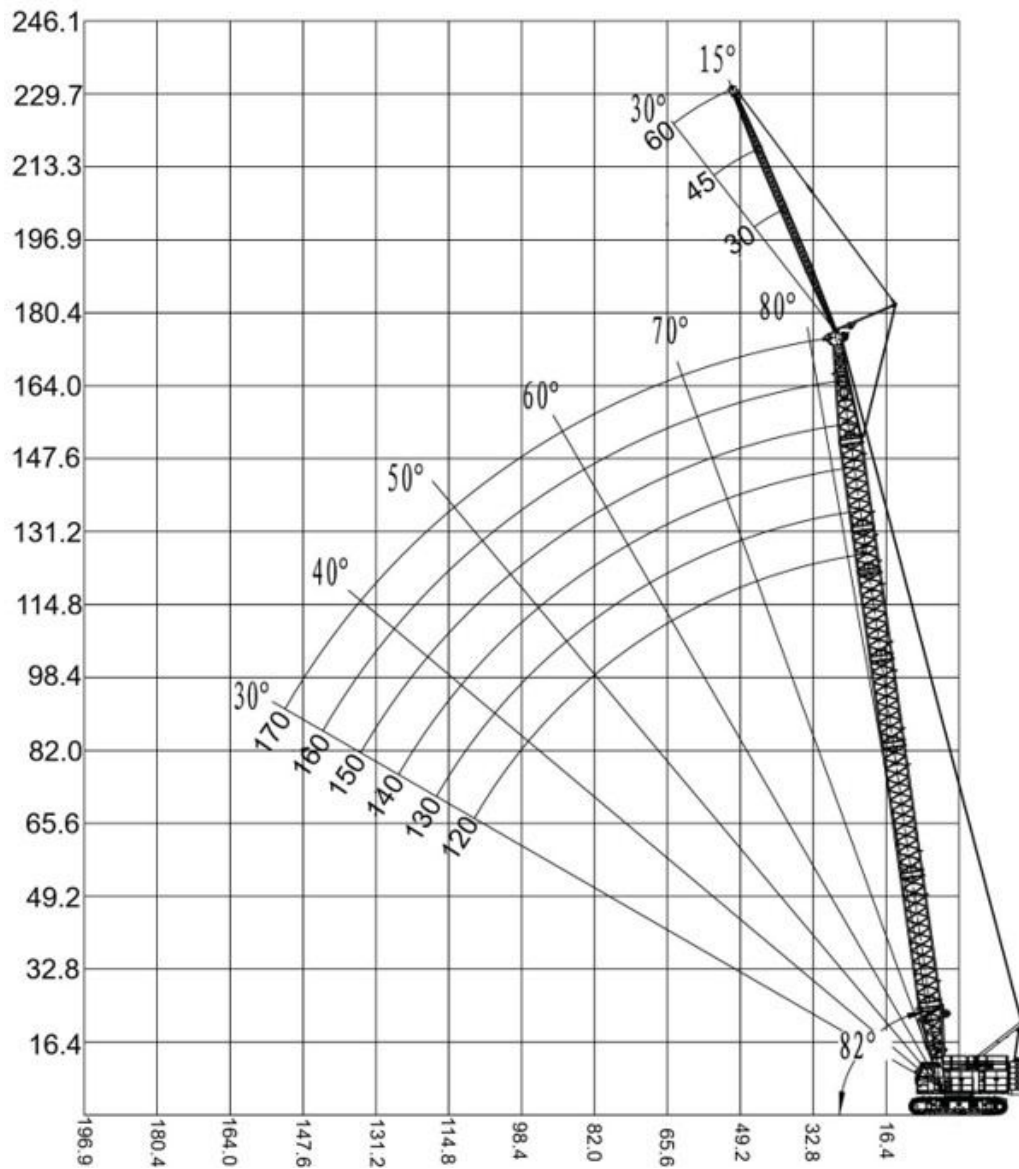
Load capacities with 171 ft main boom

Radius (ft)	30 ft	44 ft	59 ft
39.0	34.1		
46.0	33	31.7	
52.0	28.7	29	26.4
59.0	24.1	24.4	25
66.0	20.5	20.7	21.3
72.0	17.5	17.6	18.4
79.0	15.2	15.4	16
85.0	13.2	13.4	13.9
92.0	11.6	11.8	12.2
98.0	10.1	10.3	10.8
105.0	8.9	9.1	9.5
112.0	7.8	8	8.4
118.0	6.9	7.2	7.5
125.0	6.1	6.3	6.6
131.0	5.3	5.5	5.8
138.0	4.6	4.8	5.2
144.0	4.1	4.3	4.5
151.0	3.5	3.7	4
157.0	3.1	3.3	3.5
164.0	2.6	2.9	3.1
171.0	2.2	2.4	2.6
177.0	1.8	2	2.3
184.0		1.5	1.9

Values are nominal load chart capacities. Always verify against the active operation manual for the lift duty.

FIXED JIB 30°

Main boom + fixed jib at 30° | CW 71.5+33 klbs



Boom configuration

Section	120 ft	130 ft	140 ft	150 ft	160 ft	170 ft
Boom foot	1	1	1	1	1	1
10 ft insert	1			1		1
20 ft insert		1			1	1
30 ft insert A	2	2	2	2	2	2
30 ft insert B			1	1	1	1
Boom head	1	1	1	1	1	1

FIXED JIB 30° — LOAD CAPACITIES

Main boom + fixed jib at 30° | CW 71.5+33 klbs

Load capacities with 121 ft main boom

Radius (ft)	30 ft	44 ft	59 ft
39.4	32.6		
45.9	31.7		
52.5	30.6	19.8	
59.0	27.2	18.7	14.3
65.6	23.3	17.9	13.6
72.2	20.2	17.3	13.1
78.7	17.7	16.6	12.5
85.3	15.6	16.2	12
91.8	13.9	14.5	11.6
98.4	12.3	13	11.2
105.0	11.1	11.7	10.9
111.5	9.9	10.5	10.6
118.1	8.9	9.5	9.9
124.6	8	8.6	8.9
131.2	7.3	7.7	8.1
137.8	6.6	7	7.4
144.3		6.4	6.7
150.9		5.7	6.1
157.4			5.5
164.0			5.1

Load capacities with 131 ft main boom

Radius (ft)	30 ft	44 ft	59 ft
45.9	31.7		
52.5	30.9	20	
59.0	27.1	18.8	14.3
65.6	23.2	18.2	13.6
72.2	20.1	17.5	13.2
78.7	17.6	16.8	12.7
85.3	15.5	16.3	12.2
91.8	13.8	14.4	11.8
98.4	12.2	12.9	11.3
105.0	10.9	11.6	11
111.5	9.8	10.3	10.7
118.1	8.8	9.2	9.7
124.6	7.8	8.4	8.8
131.2	7	7.5	7.9
137.8	6.4	6.8	7.2
144.3	5.7	6.2	6.5
150.9		5.5	5.8
157.4		5	5.3
164.0			4.8
170.6			4.4

Values are nominal load chart capacities. Always verify against the active operation manual for the lift duty.

FIXED JIB 30° — LOAD CAPACITIES

Main boom + fixed jib at 30° | CW 71.5+33 klbs

Load capacities with 141 ft main boom

Radius (ft)	30 ft	44 ft	59 ft
45.9	31.7		
52.5	31.2	20	
59.0	26.8	18.8	
65.6	23	18.3	13.6
72.2	19.8	17.6	13.3
78.7	17.3	17.1	12.8
85.3	15.2	16	12.3
91.8	13.4	14.2	11.9
98.4	11.9	12.5	11.6
105.0	10.6	11.2	11.2
111.5	9.5	10	10.6
118.1	8.4	9	9.5
124.6	7.5	8	8.5
131.2	6.7	7.3	7.6
137.8	6.1	6.5	6.9
144.3	5.4	5.8	6.2
150.9	4.8	5.2	5.6
157.4		4.6	5
164.0		4.2	4.5
170.6			4.1
177.1			3.6
183.7			3.2

Load capacities with 151 ft main boom

Radius (ft)	30 ft	44 ft	59 ft
45.9	31.7		
52.5	31.5	19.8	
59.0	26.7	18.9	
65.6	22.9	18.5	13.6
72.2	19.7	17.8	13.4
78.7	17.2	17.3	12.9
85.3	15.1	15.8	12.4
91.8	13.3	14.1	12
98.4	11.8	12.4	11.7
105.0	10.5	11.1	11.3
111.5	9.2	9.9	10.3
118.1	8.3	8.8	9.4
124.6	7.4	7.9	8.4
131.2	6.6	7	7.5
137.8	5.8	6.3	6.7
144.3	5.2	5.6	6.1
150.9	4.6	5.1	5.4
157.4	4.1	4.5	4.8
164.0		4	4.3
170.6		3.5	3.9
177.1		3.1	3.4
183.7			3
190.2			2.6

Values are nominal load chart capacities. Always verify against the active operation manual for the lift duty.

FIXED JIB 30° — LOAD CAPACITIES

Main boom + fixed jib at 30° | CW 71.5+33 klbs

Load capacities with 161 ft main boom

Radius (ft)	30 ft	44 ft	59 ft
45.9	31		
52.5	30.5		
59.0	26.5	18.9	
65.6	22.7	18.6	13.6
72.2	19.5	17.9	13.4
78.7	16.9	17.4	13
85.3	14.9	15.6	12.5
91.8	13	13.8	12.2
98.4	11.4	12.2	11.8
105.0	10.1	10.8	11.3
111.5	9	9.6	10.1
118.1	7.9	8.6	9
124.6	7	7.6	8.1
131.2	6.3	6.8	7.3
137.8	5.5	6.1	6.5
144.3	5	5.4	5.7
150.9	4.3	4.7	5.2
157.4	3.7	4.2	4.5
164.0	3.3	3.6	4.1
170.6	2.9	3.2	3.5
177.1		2.8	3.1
183.7		2.4	2.8
190.2			2.3
196.8			2

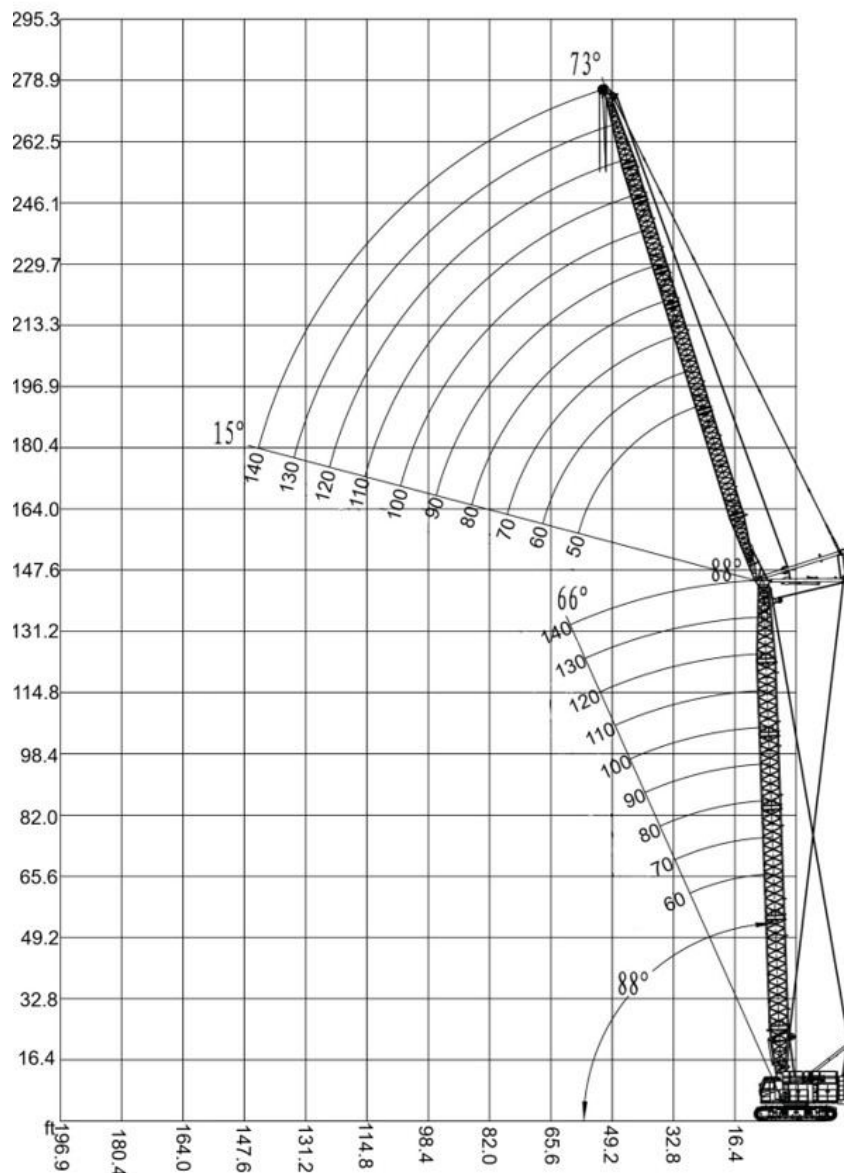
Load capacities with 171 ft main boom

Radius (ft)	30 ft	44 ft	59 ft
45.9	30.6		
52.5	29.5		
59.0	26.3	19.1	
65.6	22.3	18.7	13.6
72.2	19.3	18.2	13.4
78.7	16.6	17.6	13.1
85.3	14.5	15.4	12.7
91.8	12.8	13.5	12.3
98.4	11.2	11.9	11.9
105.0	9.8	10.6	11.1
111.5	8.7	9.4	9.9
118.1	7.7	8.3	8.8
124.6	6.7	7.4	7.8
131.2	5.9	6.5	6.9
137.8	5.2	5.7	6.2
144.3	4.5	5.1	5.5
150.9	4	4.4	4.8
157.4	3.4	3.9	4.3
164.0	3	3.3	3.7
170.6	2.5	2.9	3.2
177.1	2	2.4	2.8
183.7		2	2.4
190.2		1.5	2
196.8			1.5

Values are nominal load chart capacities. Always verify against the active operation manual for the lift duty.

LUFFING JIB

Main boom + luffing jib | CW 71.5+33 klbs



Boom configuration

Section	60 ft	70 ft	80 ft	90 ft	100 ft	110 ft	120 ft	130 ft	140 ft
Boom foot	1	1	1	1	1	1	1	1	1
10 ft insert	1			1			1		
20 ft insert		1			1			1	
30 ft insert A			1	1	1	2	2	2	2
30 ft insert B									1
Boom head	1	1	1	1	1	1	1	1	1

LUFFING JIB — LOAD CAPACITIES

Main boom + luffing jib | CW 71.5+33 klbs

Load capacities with 60 ft main boom 88°

Radius (ft)	49 ft	59 ft	69 ft	79 ft	89 ft	98 ft	108 ft	118 ft	128 ft
26.0	74.3								
30.0	67.9	56.8							
33.0	62.7	53.9	46.5						
39.0	54	48	42.1	36.3	32				
46.0	46.8	42.9	38.2	33.5	30	26.5	24.6		
52.0	36.9	37.4	34.2	31	28.2	25.4	23.6	21.8	19.1
59.0	34.8	33.7	31	28.4	26.4	24.3	22.5	20.7	18.2
66.0		29.7	27.8	25.8	24.6	23.3	21.4	19.6	17.3
72.0		26.2	25.1	24	23.1	22.1	20.3	18.5	16.5
79.0			23.3	22.2	21.6	20.9	19.4	17.8	16
85.0				19.2	19.4	19.7	18.2	16.7	15.3
92.0				16.2	17.6	19	17.4	15.8	14.8
98.0					17.2	18.4	16.7	15	14.1
112.0						13.2	13.6	13.9	13.3
125.0								12.3	11.9
138.0									10.1

Load capacities with 69 ft main boom 88°

Radius (ft)	49 ft	59 ft	69 ft	79 ft	89 ft	98 ft	108 ft	118 ft	128 ft
26.0	71.3								
30.0	64.6	54							
33.0	60.7	51.6	44.6						
39.0	52.5	46.4	40.7	35	30.9				
46.0	45.8	41.8	37.2	32.5	29	25.5	24.2		
52.0	36.5	37	33.5	30.1	27.3	24.5	23	21.6	18.8
59.0	34.3	33.6	30.7	27.8	25.6	23.5	21.9	20.4	17.9
66.0		29.3	27.4	25.5	24	22.5	20.9	19.4	17
72.0		26	24.8	23.7	22.6	21.5	19.8	18.2	16.2
79.0			23	21.8	21.1	20.5	19.1	17.6	15.6
85.0				19.4	19.4	19.3	18	16.6	15
92.0				17	17.7	18.5	17.1	15.7	14.5
98.0					17.1	17.5	16.1	14.6	13.8
112.0						13.9	13.4	13.2	13.1
125.0								12.3	12.1
138.0									10.2

Load capacities with 79 ft main boom 88°

Radius (ft)	49 ft	59 ft	69 ft	79 ft	89 ft	98 ft	108 ft	118 ft	128 ft
30.0	61.4	51.3							
33.0	58.6	49.3	42.7						
39.0	51	44.9	39.3	33.7	29.7				
46.0	44.9	40.8	36.1	31.4	28	24.6	23.4		
52.0	36.2	36.5	32.9	29.3	26.4	23.5	22.4	21.3	18.5
59.0	33.9	33.5	30.3	27.1	24.9	22.6	21.3	20	17.5
66.0	29.5	28.8	27	25.2	23.5	21.8	20.5	19.1	16.8
72.0		25.8	24.6	23.3	22.1	20.9	19.4	17.8	15.9
79.0			22.7	21.4	20.7	20.1	18.7	17.4	15.3
85.0				19.7	19.3	19	17.8	16.5	14.8
92.0				17.7	17.8	17.9	16.8	15.6	14.2
98.0					16.9	16.7	15.5	14.3	13.5
112.0						14.1	14	13.4	12.8
125.0								13	12.4
138.0									10.3

Values are nominal load chart capacities. Always verify against the active operation manual for the lift duty.

LUFFING JIB — LOAD CAPACITIES

Main boom + luffing jib | CW 71.5+33 klbs

Load capacities with 89 ft main boom 88°

Radius (ft)	49 ft	59 ft	69 ft	79 ft	89 ft	98 ft	108 ft	118 ft	128 ft	138 ft
24.0	76.3									
26.0	73.6									
30.0	66.7	57.3								
33.0	63.4	54.7	46	40						
39.0	54.7	48.4	42.1	37.1	32	28.2				
46.0	47.6	43.1	38.7	34.3	30	26.8	23.5	22.6		
52.0	35.6	35.4	34.9	31.5	28.1	25.3	22.5	21.7	20.9	18
59.0		33.2	32.1	29.2	26.2	23.9	21.7	20.7	19.7	17.1
66.0		29.6	28.5	26.4	24.2	22.5	20.8	19.7	18.6	16.3
72.0			25.2	23.9	22.5	21.3	20	18.7	17.4	15.4
79.0				22	20.7	20	19.2	17.9	16.6	14.8
85.0					19	18.6	18.2	17	15.8	14.2
92.0					17.3	17.2	17.1	16	15	13.7
98.0						16.3	15.9	14.9	14	13.1
112.0							13.6	13.9	13.2	12.5
125.0									12.3	11.7
138.0										10.1

Load capacities with 99 ft main boom 88°

Radius (ft)	49 ft	59 ft	69 ft	79 ft	89 ft	98 ft	108 ft	118 ft	128 ft	138 ft
25.0	69.4									
26.0	67.9									
30.0	61.9	53.3								
33.0	59	50.8	42.7							
39.0	52.1	45.7	39.3	34.8	30.3	26.8				
46.0	46.3	41.4	36.5	32.6	28.6	25.5	22.4	21.9		
52.0	35.4	34.6	33.3	30.1	26.9	24.2	21.6	21	20.5	17.5
59.0		32.6	30.8	28	25.2	23	20.7	20	19.4	16.6
66.0		29.7	28.2	25.7	23.3	21.6	19.9	19	18	15.7
72.0			24.6	23.2	21.8	20.4	19	18	16.9	15
79.0				21.3	20.1	19.2	18.4	17.1	15.8	14.2
85.0				19.8	18.4	17.8	17.3	16.2	15.2	13.7
92.0					16.9	16.6	16.2	15.3	14.3	13.1
98.0						15.6	15.2	14.4	13.6	12.7
112.0							13.2	13.4	13	12.2
125.0									11.7	11.1
138.0										9.9

Load capacities with 109 ft main boom 88°

Radius (ft)	49 ft	59 ft	69 ft	79 ft	89 ft	98 ft	108 ft	118 ft	128 ft	138 ft
25.0	59.6									
26.0	58.3									
30.0	54.4	47.4								
33.0	51.6	45	38.3							
39.0	46	40.6	35.2	31.5	27.8	24.7				
46.0	41.3	37	32.7	29.4	26.1	23.5	20.9	20.2		
52.0	34.5	32.3	30.1	27.3	24.5	22.3	20.1	19.4	18.7	16.2
59.0		30.3	28	25.6	23.2	21.1	19.1	18.2	17.4	15.3
66.0		27.6	25.3	23.4	21.5	19.9	18.3	17.3	16.3	14.5
72.0			22.2	21	19.9	18.6	17.4	16.4	15.4	13.9
79.0				19.7	18.4	17.5	16.7	15.6	14.5	13.2
85.0				18.2	16.9	16.3	15.7	14.8	13.9	12.7
92.0					15.6	15.2	14.7	13.9	13	12.2
98.0						14.3	13.8	13.1	12.4	11.8
112.0							12.8	12.2	11.7	11
125.0									10.6	10
138.0										9.1

Values are nominal load chart capacities. Always verify against the active operation manual for the lift duty.

LUFFING JIB — LOAD CAPACITIES

Main boom + luffing jib | CW 71.5+33 klbs

Load capacities with 119 ft main boom 88°

Radius (ft)	49 ft	59 ft	69 ft	79 ft	89 ft	98 ft	108 ft	118 ft	128 ft	138 ft
25.0	49.7									
26.0	48.7									
30.0	46.8	41.6								
33.0	44.2	39.1	34							
39.0	39.9	35.6	31.2	28.2	25.2	22.6				
46.0	36.3	32.6	28.8	26.2	23.5	21.5	19.4	18.5		
52.0	33.1	30	26.9	24.5	22	20.3	18.6	17.8	16.9	15
59.0		27.9	25.2	23.2	21.1	19.3	17.5	16.5	15.4	14
66.0		25.5	22.4	21	19.7	18.2	16.7	15.6	14.5	13.3
72.0			19.9	18.9	17.9	16.9	15.8	14.8	13.9	12.8
79.0				18	16.7	15.8	15	14.1	13.2	12.3
85.0				16.5	15.4	14.7	14.1	13.3	12.5	11.7
92.0					14.3	13.8	13.2	12.5	11.7	11.2
98.0						13	12.4	11.8	11.2	10.8
112.0							11.1	10.7	10.3	9.8
125.0									9.5	9
138.0										8.4

Load capacities with 129 ft main boom 88°

Radius (ft)	49 ft	59 ft	69 ft	79 ft	89 ft	98 ft	108 ft	118 ft	128 ft	138 ft
25.0	44.9									
26.0	43.4									
30.0	41	36.1								
33.0	39.1	34.7	30.3							
39.0	34.8	31.3	27.8	25.5	23.3					
46.0	31.4	28.6	25.8	23.8	21.8	20	18.2	17.5		
52.0	29	26.5	23.9	22.2	20.5	18.9	17.3	16.8	16.3	14.2
59.0		24.9	22.4	20.8	19.2	17.8	16.4	15.6	14.7	13.2
66.0		22.9	20.3	19.1	17.9	16.8	15.6	14.7	13.9	12.6
72.0			18.4	17.5	16.7	15.7	14.7	14	13.2	12
79.0				16.5	15.6	14.7	13.9	13.2	12.5	11.5
85.0				15.4	14.5	13.9	13.2	12.6	11.9	11
92.0					13.2	12.8	12.4	11.7	11	10.4
98.0						12.1	11.5	11	10.6	10.1
112.0							10.3	9.9	9.5	8.9
125.0									8.6	8
138.0										7

Load capacities with 138 ft main boom 88°

Radius (ft)	49 ft	59 ft	69 ft	79 ft	89 ft	98 ft	108 ft	118 ft	128 ft	138 ft
25.0	39.2									
26.0	38.7									
30.0	36.7									
33.0	35.2	31.3	27.3							
39.0	31.4	28.1	24.8	23	21.1					
46.0	28.2	25.7	23.3	21.5	19.7	18.2	16.7	15.6		
52.0	26.5	24	21.6	20.1	18.6	17.2	15.8	14.7	13.6	12.5
59.0		22.7	20.3	19	17.7	16.4	15.2	14.2	13.2	12.1
66.0		20.7	18.6	17.5	16.4	15.4	14.3	13.5	12.8	11.7
72.0			17.5	16.4	15.4	14.4	13.5	12.8	12.1	11.2
79.0				15.4	14.3	13.6	12.8	12.1	11.4	10.8
85.0				14.5	13.5	12.7	12	11.4	10.8	10.1
92.0					12.6	12	11.3	10.7	10.1	9.5
98.0						11.4	10.7	10.2	9.7	9
112.0							9.6	9.1	8.6	8.1
125.0								8.4	7.9	7.5
138.0										6.6

Values are nominal load chart capacities. Always verify against the active operation manual for the lift duty.

LUFFING JIB — LOAD CAPACITIES

Main boom + luffing jib | CW 71.5+33 klbs

Load capacities with 60 ft main boom 78°

Radius (ft)	49 ft	59 ft	69 ft	79 ft	89 ft	98 ft	108 ft	118 ft	128 ft	138 ft
46.0	45.3	43.7								
52.0	36.7	35.2	34.8							
59.0	34.3	32.6	29.9	28.5						
66.0	29.9	28.2	26.5	25.6	24.6	23.4				
72.0		26.6	25.1	24	22.9	21.9	20.9			
79.0			23.5	22.3	21.1	20.4	19.6	18	16.5	
85.0				19.6	18.3	18.4	18.5	16.9	15.4	14.5
92.0				16.5	15.2	16.4	17.6	16	14.3	13.1
98.0					14.5	15.8	17.2	14.9	12.5	12
112.0						12.3	12.1	11.9	11.7	11.4
125.0								11.2	11	10.6
138.0									9.9	9.2
151.0										7.7

Load capacities with 69 ft main boom 78°

Radius (ft)	49 ft	59 ft	69 ft	79 ft	89 ft	98 ft	108 ft	118 ft	128 ft	138 ft
46.0	44.4									
52.0		35.5	33.7							
59.0	33.2	32.3	30.5	28.6						
66.0	28.8	28.1	26.9	25.7	24.4					
72.0		25.5	24.6	23.6	22.4	21.2	20.5			
79.0			22.9	21.9	20.6	19.9	19.3	17.9		
85.0			20.5	19.6	18.3	18.2	17.8	16.8	15.5	14.1
92.0				17.2	16.2	16.7	16.3	15.8	14.4	13.1
98.0					15.2	15.8	15.4	14.6	12.9	12.2
112.0						13	12.7	12.3	12	11.6
125.0							11.4	11.1	10.8	10.1
138.0									9.2	8.8
151.0										7.7

Load capacities with 79 ft main boom 78°

Radius (ft)	49 ft	59 ft	69 ft	79 ft	89 ft	98 ft	108 ft	118 ft	128 ft	138 ft
46.0	43.6									
52.0		35.8								
59.0	32.6	32.1	31	28.7						
66.0	28.6	27.9	27.3	25.7	24.2					
72.0		24.9	24.2	23.2	22	20.5				
79.0		22.7	22.2	21.6	20	19.5	18.9	17.7		
85.0			20.2	19.6	17.8	17.8	17.8	16.7	15.6	
92.0				17.8	17.2	17.1	16.9	15.7	14.5	13.1
98.0				16.5	15.8	15.7	15.6	14.4	13.2	12.3
112.0						13.6	13.2	12.8	12.3	11.8
125.0							11.4	11	10.6	9.7
138.0									9.2	8.8
151.0										7.5

Load capacities with 89 ft main boom 78°

Radius (ft)	49 ft	59 ft	69 ft	79 ft	89 ft	98 ft	108 ft	118 ft	128 ft	138 ft
52.0	36	35								
59.0	31.7	31	29.6							
66.0	27.9	27.3	26.5	24.9	23.8					
72.0	24.9	24.1	23.2	22	20.7	19.5				
79.0		22	21.5	20.4	18.8	18.4	18	16.9		
85.0			19.6	18.5	17.2	17.1	17.1	15.9	14.7	
92.0				17	16.1	16.1	16.1	14.9	13.8	12.5
98.0				15.6	15.1	14.7	14.7	13.7	12.7	11.8
112.0						13.3	12.9	12.4	12	11.3
125.0							11.1	10.8	10.1	9.5
138.0								9	8.8	8.1
151.0										7.3

Values are nominal load chart capacities. Always verify against the active operation manual for the lift duty.

LUFFING JIB — LOAD CAPACITIES

Main boom + luffing jib | CW 71.5+33 klbs

Load capacities with 99 ft main boom 78°

Radius (ft)	49 ft	59 ft	69 ft	79 ft	89 ft	98 ft	108 ft	118 ft	128 ft	138 ft
52.0	35.6									
59.0	31.5	29.8	28.2							
66.0	27.7	26.7	25.7	24						
72.0	24.6	23.4	22.2	20.8	19.4	18.5				
79.0		21.6	20.7	19.1	17.6	17.4	17.2			
85.0			18.9	17.5	16.1	16.2	16.3	15.1	13.9	
92.0			17.4	16.2	15	15.1	15.2	14.1	13	11.9
98.0				14.7	14.3	13.8	13.9	13	12.1	11.3
112.0					13.4	13	12.5	12.1	11.7	10.9
125.0							10.8	10.6	9.9	9.2
138.0								9	8.6	8.1
151.0										7

Load capacities with 109 ft main boom 78°

Radius (ft)	49 ft	59 ft	69 ft	79 ft	89 ft	98 ft	108 ft	118 ft	128 ft	138 ft
52.0	33.7									
59.0	29.5	27.4								
66.0	26.3	24.6	22.9	21.1						
72.0	23.3	21.6	19.9	19	18					
79.0		19.7	18.4	17.4	16.5	16	15.6			
85.0		18.3	16.8	16	15.2	14.9	14.6	13.6		
92.0			15.6	14.7	14.1	13.9	13.6	12.7	11.8	11.4
98.0				13.6	13.2	12.8	12.7	11.9	11.1	10.6
112.0					12.3	11.8	11.3	10.9	10.6	9.8
125.0							10	9.7	9.2	8.6
138.0								8.6	8.1	7.6
151.0									7	6.7

Load capacities with 119 ft main boom 78°

Radius (ft)	49 ft	59 ft	69 ft	79 ft	89 ft	98 ft	108 ft	118 ft	128 ft	138 ft
59.0	27.5	25.1								
66.0	24.9	22.4	20							
72.0	22	19.8	17.6	17.2	16.7					
79.0		17.8	16.1	15.7	15.4	14.6				
85.0		16.3	14.7	14.5	14.3	13.6	13	12.2		
92.0			13.9	13.3	13.2	12.7	12.1	11.3	10.6	
98.0				12.5	12.1	11.8	11.4	10.8	10.1	9.9
112.0					11.2	10.7	10.1	9.8	9.5	8.8
125.0						9.9	9.2	8.9	8.6	8
138.0								8.1	7.7	7.2
151.0									6.8	6.3

Load capacities with 129 ft main boom 78°

Radius (ft)	49 ft	59 ft	69 ft	79 ft	89 ft	98 ft	108 ft	118 ft	128 ft	138 ft
59.0	24									
66.0	21.8	20.4	18.9							
72.0	20	18.5	16.9	16.1						
79.0	18.3	17.1	15.8	15.1	14.3	13.6				
85.0		16.3	14.7	14.1	13.4	12.9	12.3			
92.0			13.4	12.9	12.3	11.9	11.4	10.8	10.1	
98.0			12.1	11.7	11.2	11	10.8	10.2	9.7	9.2
112.0					10.1	9.9	9.7	9.1	8.6	8.1
125.0						9.2	8.8	8.3	7.7	7.2
138.0								7.3	6.6	6.2
151.0									5.5	5.1
164.0										4.4

Values are nominal load chart capacities. Always verify against the active operation manual for the lift duty.

LUFFING JIB — LOAD CAPACITIES

Main boom + luffing jib | CW 71.5+33 klbs

Load capacities with 138 ft main boom 78°

Radius (ft)	49 ft	59 ft	69 ft	79 ft	89 ft	98 ft	108 ft	118 ft	128 ft	138 ft
59.0	21.6									
66.0	19.6	18								
72.0	17.6	16.5	15.4	14.5						
79.0	15.6	14.7	13.9	13.2	12.5					
85.0		12.8	11.9	11.7	11.4	11.2	11			
92.0		10.8	11.2	10.8	10.6	10.5	10.3	9.8		
98.0			10.1	9.9	9.7	9.8	9.9	9.4	8.8	8.4
112.0					9.2	9	8.8	8.3	7.7	7.5
125.0						8.1	7.9	7.5	7	6.8
138.0							6.8	6.5	6.2	5.8
151.0									5.3	4.8

Values are nominal load chart capacities. Always verify against the active operation manual for the lift duty.

LUFFING JIB — LOAD CAPACITIES

Main boom + luffing jib | CW 71.5+33 klbs

Load capacities with 60 ft main boom 66°

Radius (ft)	49 ft	59 ft	69 ft	79 ft	89 ft	98 ft	108 ft	118 ft	128 ft	138 ft
66.0	27.3									
72.0	24.4	24								
79.0		21.6	21.3							
85.0		19.6	19.1	18.9						
92.0			17.6	17.2	16.9					
98.0				15.8	15.6	15.2				
112.0					13.2	13	12.5	12.1	11.9	
125.0						11	10.6	10.1	9.9	9.7
138.0								8.8	8.6	8.1
151.0									7.3	7

Load capacities with 69 ft main boom 66°

Radius (ft)	49 ft	59 ft	69 ft	79 ft	89 ft	98 ft	108 ft	118 ft	128 ft	138 ft
72.0	24	23.3								
79.0	21.3	21.1	20.7							
85.0		18.9	18.5	18						
92.0			17.2	16.7	16.3					
98.0			15.6	15.2	15	14.5				
112.0					12.8	12.3	11.9	11.4		
125.0						10.6	10.1	9.7	9.5	9.2
138.0							8.8	8.4	8.1	7.7
151.0									6.8	6.6
164.0										5.7

Load capacities with 79 ft main boom 66°

Radius (ft)	49 ft	59 ft	69 ft	79 ft	89 ft	98 ft	108 ft	118 ft	128 ft	138 ft
72.0	22.9									
79.0	20.5	20.2								
85.0	18.7	18.5	18							
92.0		16.7	16.3	15.8						
98.0			15	14.5	14.3					
112.0				12.3	12.1	11.7	11.2			
125.0						10.1	9.7	9.2	8.8	
138.0							8.4	7.9	7.7	7.3
151.0								6.8	6.4	6.2
164.0										5.3

Load capacities with 89 ft main boom 66°

Radius (ft)	49 ft	59 ft	69 ft	79 ft	89 ft	98 ft	108 ft	118 ft	128 ft	138 ft
79.0	20.1									
85.0	18	17.6								
92.0		16.3	15.8							
98.0		14.7	14.5	14.1	13.6					
112.0				11.9	11.4	11	10.6			
125.0					9.9	9.7	9.2	8.8	8.4	
138.0							7.9	7.5	7.3	6.8
151.0								6.4	6.2	5.7
164.0									5.3	4.8

Load capacities with 99 ft main boom 66°

Radius (ft)	49 ft	59 ft	69 ft	79 ft	89 ft	98 ft	108 ft	118 ft	128 ft	138 ft
79.0	19									
85.0	17.3	17.2								
92.0	15.8	15.6	15.2							
98.0		14.3	13.9	13.2						
112.0			11.7	11.2	11	10.6				
125.0					9.5	9	8.6	8.1		
138.0						7.9	7.5	7	6.6	6.2
151.0							6.4	5.9	5.7	5.3
164.0									4.8	4.4

Values are nominal load chart capacities. Always verify against the active operation manual for the lift duty.

LUFFING JIB — LOAD CAPACITIES

Main boom + luffing jib | CW 71.5+33 klbs

Load capacities with 109 ft main boom 66°

Radius (ft)	49 ft	59 ft	69 ft	79 ft	89 ft	98 ft	108 ft	118 ft	128 ft	138 ft
85.0	16.1									
92.0	15.1	14.3								
98.0		13.4	13							
112.0			11	10.6	10.3					
125.0				9	8.8	8.4	7.9			
138.0						7	6.8	6.4	5.9	5.7
151.0							5.7	5.3	5.1	4.6
164.0								4.6	4.4	

Load capacities with 119 ft main boom 66°

Radius (ft)	49 ft	59 ft	69 ft	79 ft	89 ft	98 ft	108 ft	118 ft	128 ft
92.0	14.3								
98.0	13.2	12.5	12.1						
112.0			10.5	10.1	9.6				
125.0				8.6	8.1	7.7	7.3		
138.0					7	6.6	6.2	5.7	5.5
151.0							5.3	4.8	4.6

Load capacities with 129 ft main boom 66°

Radius (ft)	49 ft	59 ft	69 ft	79 ft	89 ft	98 ft	108 ft	118 ft
92.0	13.6							
98.0	12.5	12.1						
112.0		10.3	9.9	9.5				
125.0			8.4	7.9	7.7	7.3		
138.0					6.6	6.2	5.8	5.3
151.0						5.3	4.9	4.4

Load capacities with 138 ft main boom 66°

Radius (ft)	49 ft	59 ft	69 ft	79 ft	89 ft	98 ft	108 ft
98.0	11.4						
112.0	9.7	9.5	9				
125.0			7.7	7.3	6.6		
138.0				6.2	5.9	5.5	4.9
151.0						4.4	

Values are nominal load chart capacities. Always verify against the active operation manual for the lift duty.