

PVE AMERICAN EC200-1



Electric Crawler Crane

ENGLISH

IMPERIAL

PRODUCT BROCHURE

Complies with ANSI / ASME B30.5

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January 2026 edition

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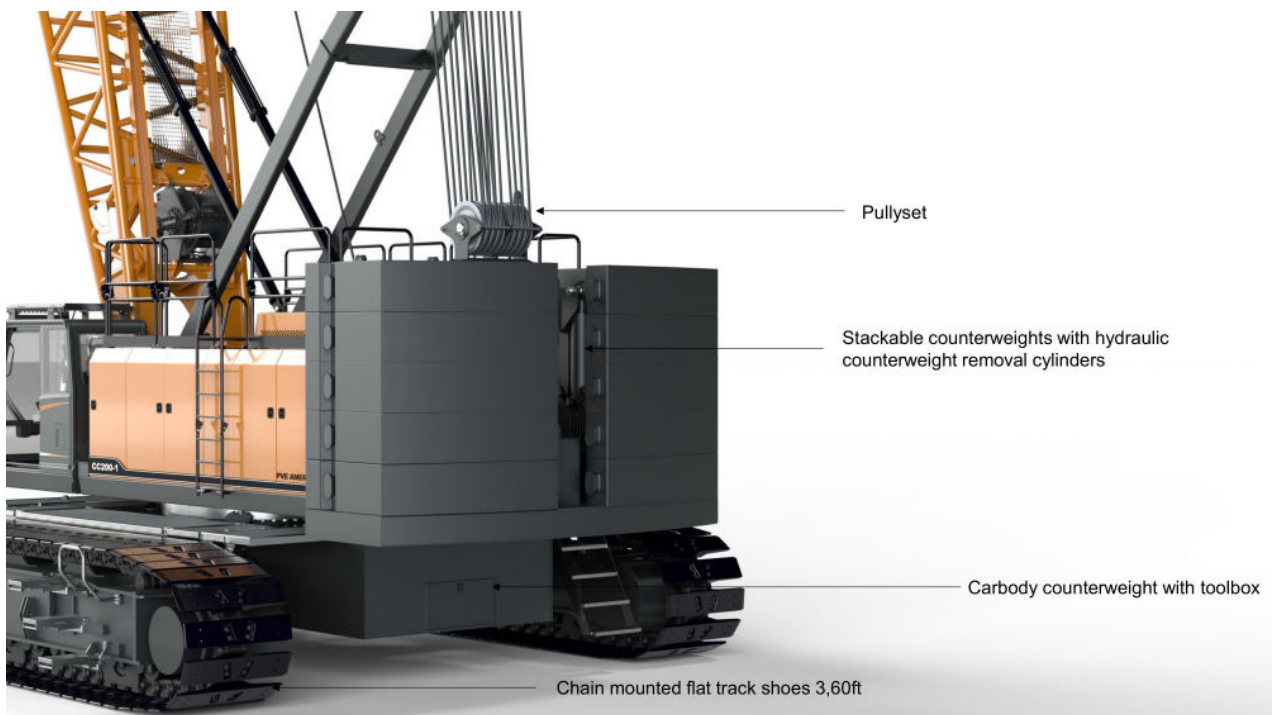
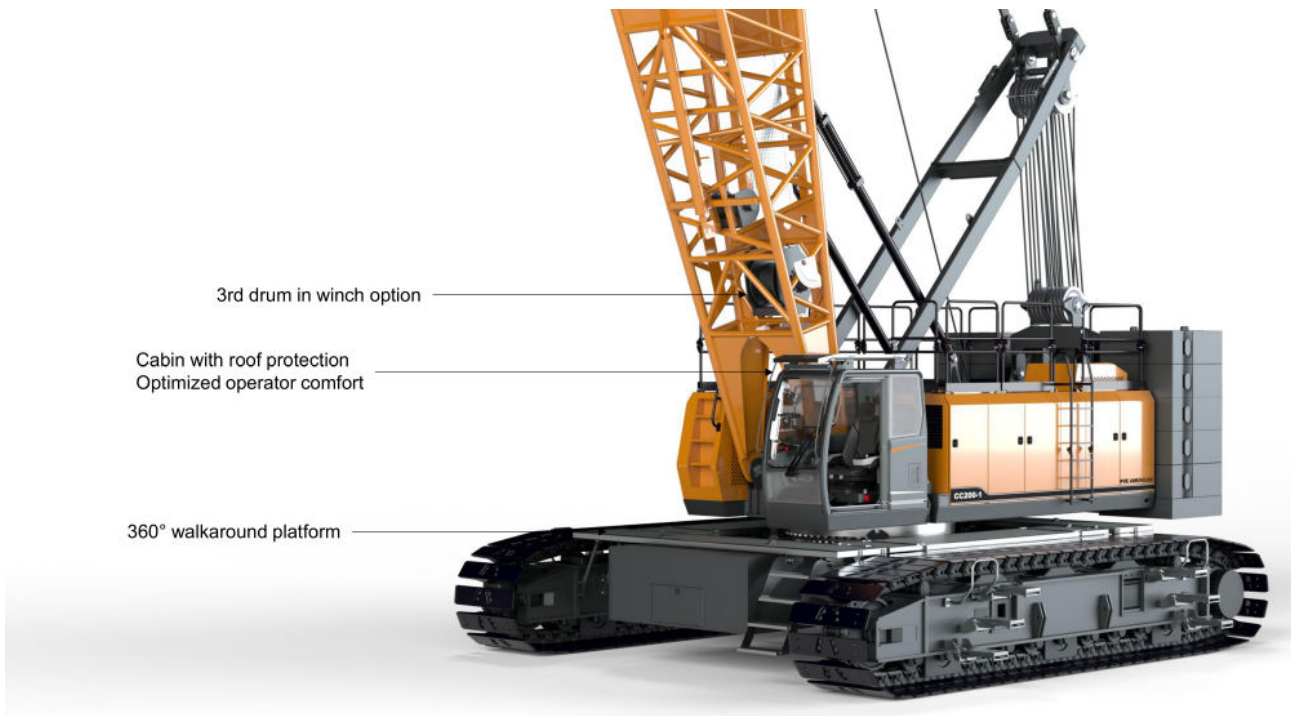
PVE AMERICAN

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AT A GLANCE

STRONGER · SMARTER · SAFER



MAX. LIFTING CAPACITY

200 ton

MAX. MAIN BOOM

246 ft

MAX. LUFFING JIB

170 ft

DRIVE

Electric · up to 250 kW

BATTERY

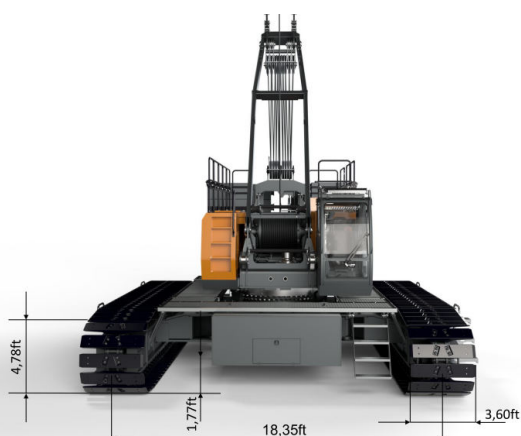
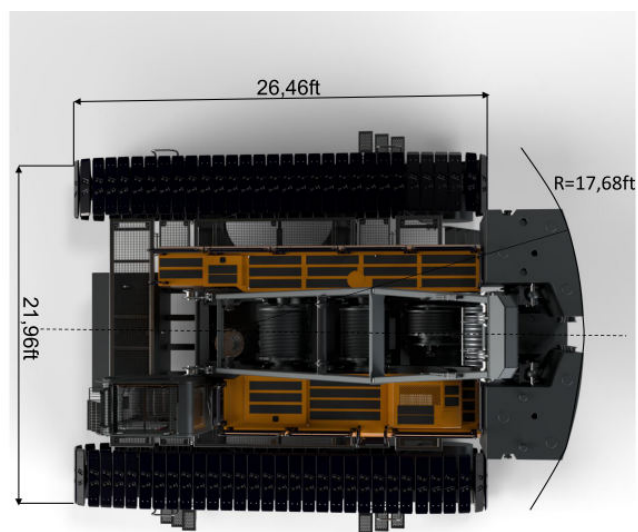
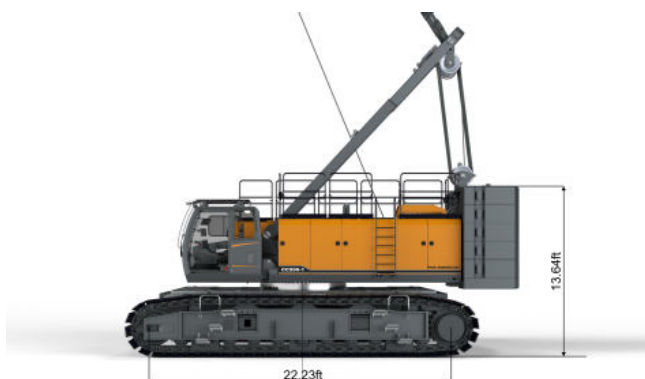
LiFeP04 · 260 kWh

COMPLIANCE

ANSI/ASME B30.5

DIMENSIONS

Standard configuration · three orthographic views



Key dimensions

Length of tracks	26.51 ft
Width over tracks	21.96 ft
Track plate width	4.43 ft
Crane body length	44.95 ft
Weight, base crane	99,980 lbs
Counterweights	Full rear + full carbody

Operating weight depends on boom + jib configuration and selected counterweight package. See transport plan further in this brochure.

CRANE BODY & ENGINE

Electric drive · LFP battery · Bosch Rexroth hydraulics · CAN-BUS control

Hydraulics & control

Bosch Rexroth pumps and motors power all winches, the crawlers and the swing drive. All movements can run simultaneously. Every hydraulic filter is monitored electronically and reports to the operator-cabin touch screen.

Control runs on a CAN-BUS network with PVE-developed software. The touch screen presents all functions, alerts and the Safe Load System. A 360° camera array (including dedicated winch and load cameras) keeps the work site visible. CRANEINFO logs operating data for service and factory support.

Key specifications

Drive system	Electric motor
Max. power	Up to 250 kW
Battery	LiFePO ₄ , 650 V
Battery capacity	2 × 130 kWh = 260 kWh
Battery packs	Interchangeable
Charging	44 kW (63 A), approx. 6 h
Runtime	About 8 h on a full charge
Local emissions	Zero
Control	CAN-BUS / touch screen
Cameras	360° + winch + load
Swing drive	Rexroth + roller bearing

Electric drive & battery

The EC200-1 runs on an electric motor of up to 250 kW drawing from two interchangeable LiFePO₄ battery packs (2 × 130 kWh, 260 kWh total, 650 V), coupled to the Bosch Rexroth hydraulic pack that drives the winches, crawlers and swing. A full charge gives about 8 hours of work; the packs recharge in roughly 6 hours from a 63 A (44 kW) connection, or can be swapped for spare packs to extend the shift. Zero local emissions and low noise suit indoor, urban and emission-controlled sites. Motor, battery, hydraulics and crawlers are all monitored electronically and report to the operator-cabin touch screen.



WINCHES

Powerful design · low-maintenance multi-disc brakes

The winches are robustly built and engineered for high duty cycles. They use a low-maintenance multi-disc brake system as standard. An optional free-fall package is available on the main hoist drums for applications that require it.

Main hoist winches W1 + W2

Rated line pull	28,100 lbs
Rope diameter	1.02 in
Rope speed	0 – 394 ft/min
Brake	Multi-disc, spring applied, hydraulically released
Free-fall (option)	Available on W1 and W2

Optional 3rd winch in boom foot W3

Line pull	12,125 lbs
Position	Mounted in the boom foot for runner or whip-line operation



OPERATOR CABIN

Comfort, visibility and integrated safety



The operator cabin is built around an air-suspended seat with integrated electric-hydraulic joysticks. The joysticks give the operator very precise control of every hydraulic function while a panoramic glass envelope and roof window keep the load and the work site in view at all times.

A single touch screen consolidates the Safe Load System, system diagnostics, and the live feed from the 360° camera array (including dedicated load and winch cameras). CRANEINFO logs operating data for factory support and predictive maintenance.

Standard features

- Air-suspended operator seat
- Electric-hydraulic joysticks
- Climate control, heated front window
- Touch-screen Safe Load System
- 360° camera array (winch + load + perimeter)
- CRANEINFO operating-data logger
- Roof-protection screen, FOPS rated

COUNTERWEIGHT SYSTEM

Self-erecting rear stack · integrated carbody weights

Counterweight package

Base plate (with cylinders)

24,200 lbs

Wing weight × 10 pcs

12,100 lbs each

Total rear counterweight

145,200 lbs

Carbody — front mounted

22,000 lbs

Carbody — rear mounted

22,000 lbs

Toolboxes (carbody)

Both · lockable



MAIN BOOM SYSTEM

60 – 246 ft · pinned lattice boom · live-mast luffing

The CC200-1 main boom is a pinned lattice system built from a 24.6 ft foot, a 34.5 ft tip and 10 ft, 20 ft and 30 ft insert sections. Each section carries its own pendant bars in a 1:1 mapping and includes integrated boom-pin storage so the assembly hardware never travels loose.

Boom assembly

The live mast supports both the main-boom pendants and the luffing jib pendants. The CC200-1 has self-assembly for the boom, tracks and counterweights, including carbody counterweights, and ships with jack-up cylinders as standard (4.3 ft jack-up height).

Main-boom sections

Main-boom range	60 – 246 ft
Boom foot	24.6 ft
Boom tip	34.5 ft
Insert, 10 ft	10 ft
Insert, 20 ft	20 ft
Insert, 30 ft	30 ft



JIB CONFIGURATIONS

Available jib types and boom + jib combinations



FIXED JIB

43 – 101 ft

Fixed-angle jib for extra reach when the main boom stays near vertical.

[FIGURE PLACEHOLDER]

Render of the Luffing Jib configuration.

(luffing jib placeholder)

LUFFING JIB

62 – 170 ft

Fully luffing jib for confined-radius work at height.



MAIN BOOM

60 – 246 ft

Pinned lattice main boom — base configuration without a jib.

[FIGURE PLACEHOLDER]

Render of the Runner configuration.

(runner placeholder)

RUNNER

5 ft · whip-line

Runner / whip-line for fast light picks alongside the main hoist.

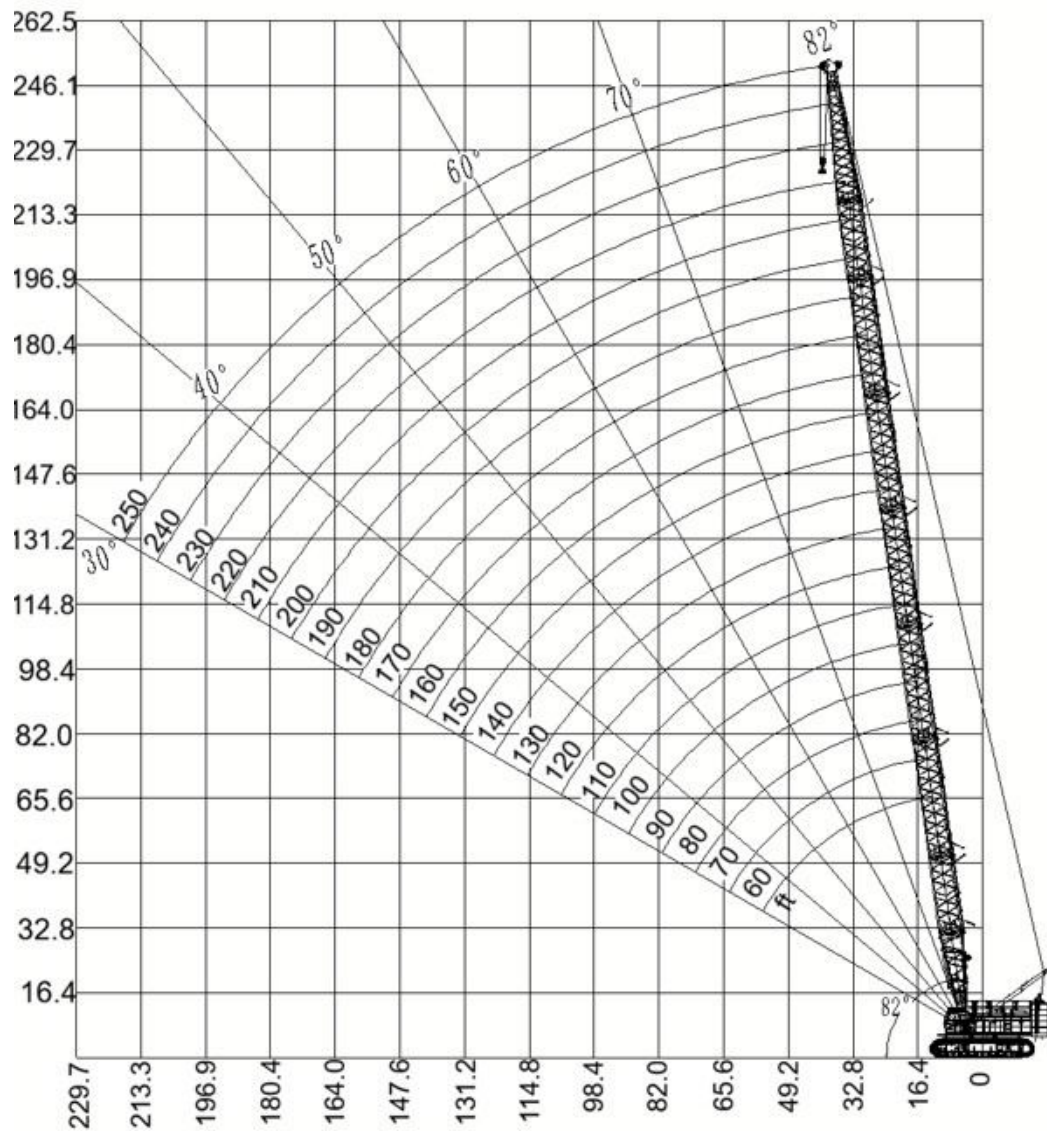
Actual lifting capacity depends on radius and counterweight. Consult the rating manual.

Boom + jib combinations

Main boom only	60 – 246 ft
Main boom + fixed jib	Main 60 – 246 ft · jib 43 – 101 ft
Main boom + luffing jib	Main 60 – 246 ft · jib 62 – 170 ft
Main boom + aux jib (whip)	Main 60 – 246 ft · aux 5 ft

MAIN BOOM

Main boom 30°–82°, 59–200 ft | CW 145+44 lbs



Boom configuration

Section	60 ft	70 ft	80 ft	90 ft	100 ft	110 ft	120 ft	130 ft	160 ft	170 ft	180 ft	190 ft	200 ft	210 ft	220 ft	230 ft	240 ft	250 ft
Boom foot	1	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
30 ft insert A				1	1	1	1	2	2	2	2	2	2	2	2	2	2	2
30 ft insert B									1	1	1	2	2	3	3	3	3	3
Boom head	1	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°, 59–200 ft | CW 145+44 lbs

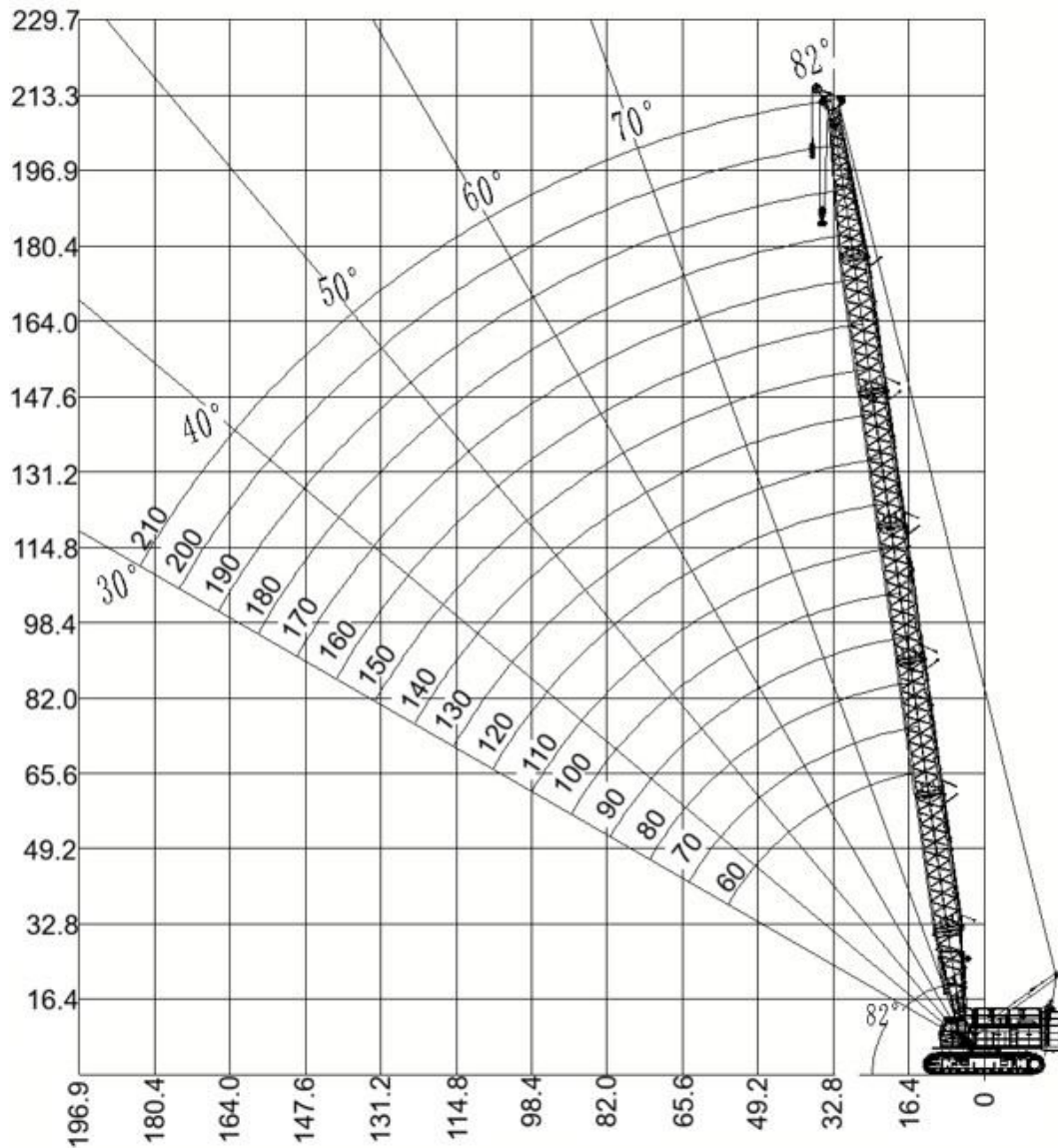
Lifting capacity (lbs × 1,000) by working radius

Radius (ft)	59 ft	69 ft	79 ft	89 ft	98 ft	108 ft	118 ft	128 ft	157 ft	167 ft	177 ft	187 ft	197 ft	207 ft	216 ft	226 ft	236 ft	246 ft
16.1	352																	
16.4	345.4																	
18.0	330	332.2																
19.7	303.6	301.4	301.4															
21.3	280.6	279.9	279.4	276.7														
23.0	261.3	260.6	260.1	253.8	244.4													
24.6	244.4	243.7	243.1	234.4	226.6	218.2												
26.2	229.5	228.8	225.3	217.5	210.8	204.3												
29.5	202.3	201.1	197.3	190.1	184.6	179.6	174.5	169.3										
32.8	179.3	178.4	175.1	168.5	164.1	159.9	155.7	151.3										
36.1	156.6	156	155.6	151.2	147.4	143.9	140.3	136.5	127.4	122.1								
39.4	138.9	138.5	137.9	136.9	133.7	130.7	127.6	124.2	116.3	114	110	100						
42.6	124.5	124.1	123.7	122.9	122.2	119.5	116.8	113.8	106.8	104.8	102.2	96.8	86.3	85.9				
45.9	112.8	112.3	111.9	111.3	110.8	110	107.5	104.8	98.6	96.8	94.5	93	83.6	83.3	83.1	71.5		
49.2	102.9	102.4	102	101.3	101.1	100.7	99.6	97	91.4	89.8	87.7	86.3	81	80.9	80.6	69.4	62.4	25.4
52.5	94.6	94	93.6	92.9	92.6	92.4	91.8	90.2	85.1	83.7	81.7	80.5	78.6	76.9	75.3	67.4	60.5	24.7
59.0		80.6	80.2	79.5	79	78.7	78.3	77.5	74.5	73.3	71.5	70.5	69.1	67.4	66	63.6	57.1	23.2
65.6			69.9	69.2	68.8	68.5	68	67.1	66	64.9	63.3	62.5	61.2	59.7	58.4	57.7	54	21.9
72.2			61.9	61.1	60.6	60.3	59.8	59	58	57.9	56.5	55.8	54.6	53.2	52.1	51.5	50.1	20.8
78.7				54.5	54	53.7	53.1	52.3	51.3	51.1	50.5	50.2	49.1	47.8	46.8	46.2	44.9	19.7
85.3					48.6	48.2	47.6	46.8	45.8	45.6	45	44.9	44.4	43.1	42.2	41.7	40.5	17.8
91.8						43.7	43	42.2	41.1	41	40.3	40.3	39.8	39.1	38.2	37.8	36.6	16.1
98.4							39.8	39.1	38.3	37.2	37	36.3	36.2	35.8	35.1	34.7	34.3	14.6
105.0								35.8	34.9	33.7	33.5	32.8	32.8	32.3	31.7	31.3	31.2	13.2
111.5								32.1	30.8	30.6	29.9	29.8	29.3	28.6	28.2	28.2	27.5	12
118.1									28.2	28	27.2	27.1	26.7	26	25.6	25.5	24.9	11
124.6									25.9	25.6	24.9	24.8	24.3	23.7	23.2	23.2	22.5	9.9
131.2									23.9	23.6	22.9	22.7	22.3	21.6	21.2	21.1	20.4	9
137.8									22.1	21.8	21	20.9	20.4	19.7	19.3	19.2	18.5	8.1
144.3										20.1	19.4	19.2	18.7	18	17.6	17.5	16.8	7.3
150.9											17.9	17.7	17.2	16.5	16.1	16	15.3	6.6
157.4												16.6	16.4	15.9	15.1	14.7	14.6	6
164.0													15.1	14.6	13.9	13.4	13.3	5.4
170.6														13.5	12.7	12.3	12.1	4.9
177.1															11.7	11.3	11	4.4
183.7																10.8	10.3	3.9
190.2																	9.4	3.5
196.8																	8.3	3.1
203.4																		2.8
209.9																	6.1	2.5
216.5																		2.2
223.0																		2.1

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

RUNNER

Main boom + runner | CW 145+44 lbs



Boom configuration

Section	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	210 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				
20 ft insert			1				1		1				1		1	
30 ft insert A				1	1	1	1	2	2		2	2	2	2	2	2
30 ft insert B										1	1	1	1	2	2	3
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 145+44 lbs

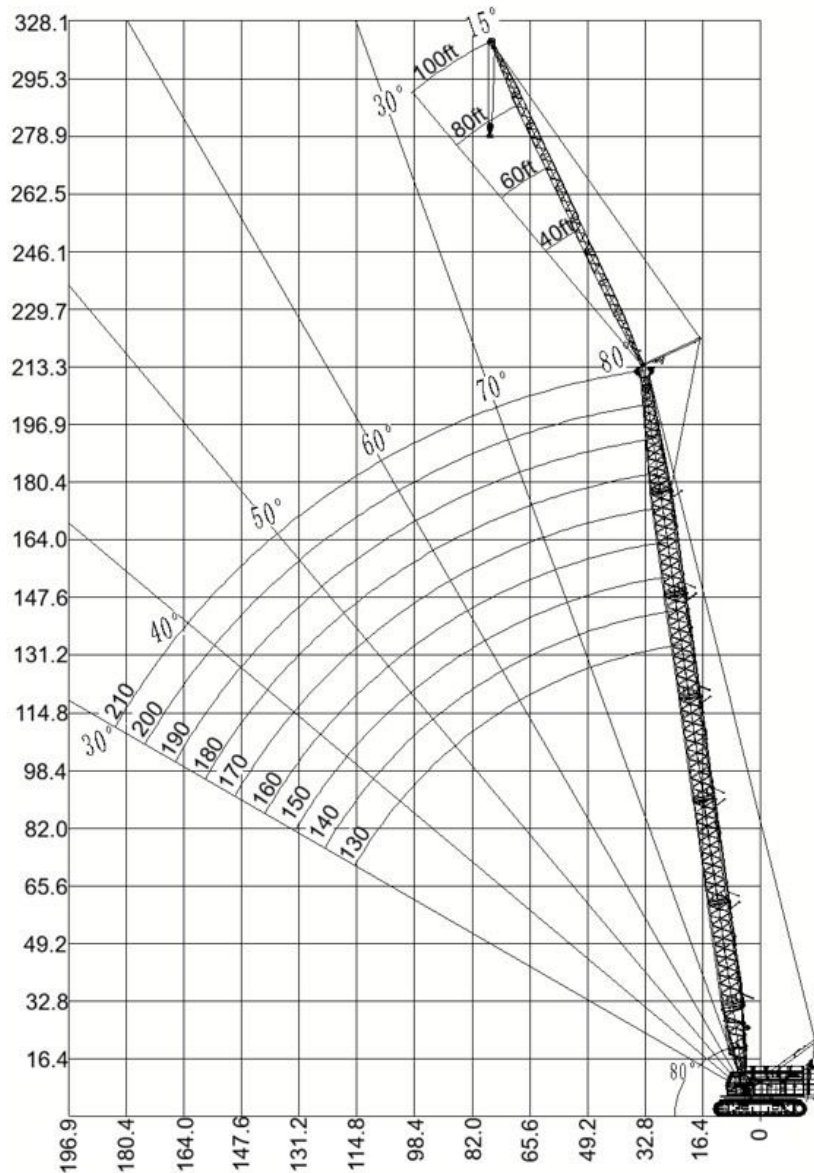
Lifting capacity (lbs × 1,000) by working radius

Radius (ft)	59 ft	69 ft	79 ft	89 ft	98 ft	108 ft	118 ft	128 ft	138 ft	148 ft	157 ft	167 ft	177 ft	187 ft	197 ft	207 ft
19.7	27.5	27.5	27.5													
23.0	27.5	27.5	27.5	27.5	27.5											
26.2	27.5	27.5	27.5	27.5	27.5	27.5	27.5									
29.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5						
32.8	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5				
39.4	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5
45.9	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5
52.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5
59.0	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5
65.6		27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5
72.2			27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5
78.7				27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5
85.3				27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5
91.8					27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5
98.4						27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5
105.0							27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5
111.5							27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5
118.1								27.5	27.5	27.5	27.3	26.4	26.4	26.2	25.7	25.3
124.6									26	25.5	25.1	24.2	24.2	24	23.5	23.1
131.2										23.5	23.1	22.4	22.4	22	21.6	21.1
137.8											21.3	20.7	21.1	20.2	20	19.4
144.3												19.8	19.1	19.1	18.7	17.8
150.9													17.6	17.6	17.2	16.5
157.4														16.3	15.8	15.2
164.0															14.7	13.9
170.6															13.6	12.8
177.1																11.9
183.7																10.8

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 145+44 lbs



Boom configuration

Section	130 ft	140 ft	150 ft	160 ft	170 ft	180 ft	190 ft	200 ft	210 ft
Boom foot	1	1	1	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	2	2	2
30 ft insert B				1	1	1	2	2	2
Boom head	1	1	1	1	1	1	1	1	1

FIXED JIB 15° — LOAD CAPACITIES

Main boom + fixed jib at 15° | CW 145+44 lbs

Load capacities with 128 ft main boom

Radius (ft)	43 ft	62 ft	82 ft	102 ft
39.4	46			
45.9	46			
52.5	46	42		
59.0	45	41	29	
65.6	45	39	29	19
72.2	46	37	29	18
78.7	42	36	27	18
85.3	37	32	25	17
91.8	34	31	24	16
98.0	31	29	23	15
105.0	28	27	23	15
112.0	25	25	22	14
118.0	24	24	21	14
125.0	22	22	19	13
131.0	20	21	19	13
138.0	18	19	17	12
144.0	17	18	17	12
151.0	16	16	16	11
157.0	15	15	15	11
164.0		14	14	11
171.0		13	13	11
177.0			12	10
184.0			12	10
190.0			11	10
197.0				9
203.0				9
210.0				9

Load capacities with 138 ft main boom

Radius (ft)	43 ft	62 ft	82 ft	102 ft
45.9	46			
52.5	46	42		
59.0	45	41	30	
65.6	44	40	29	19
72.2	43	39	29	18
78.7	42	36	27	18
85.3	37	34	25	17
91.8	34	32	24	17
98.0	30	30	23	16
105.0	28	27	23	15
112.0	25	26	22	15
118.0	23	24	21	14
125.0	21	22	20	14
131.0	20	21	19	13
138.0	18	19	18	13
144.0	17	17	17	12
151.0	16	16	16	12
157.0	14	15	15	11
164.0	14	14	13	11
171.0		13	13	11
177.0		12	12	11
184.0		11	12	10
190.0			11	10
197.0			10	10
203.0			10	9
210.0				9
216.0				9
223.0				8

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 145+44 lbs

Load capacities with 148 ft main boom

Radius (ft)	43 ft	62 ft	82 ft	102 ft
45.9	46			
52.5	46	42		
59.0	45	42	30	
65.6	44	40	29	19
72.2	43	39	29	18
78.7	41	37	29	18
85.3	37	35	27	18
91.8	33	32	25	17
98.0	30	30	24	16
105.0	27	28	23	15
112.0	25	26	22	15
118.0	23	24	22	14
125.0	21	22	20	14
131.0	19	20	19	13
138.0	18	19	18	13
144.0	16	17	17	12
151.0	15	16	16	12
157.0	14	15	15	12
164.0	13	14	14	11
171.0	12	13	13	11
177.0		12	13	11
184.0		11	12	11
190.0		11	11	10
197.0			10	10
203.0			9	9
210.0			9	9
216.0				8
223.0				8
230.0				7

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 145+44 lbs

Load capacities with 157 ft main boom

Radius (ft)	43 ft	62 ft	82 ft	102 ft
45.9	46			
52.5	45	42		
59.0	44	42	30	
65.6	44	41	29	
72.2	42	39	29	18
78.7	41	37	29	18
85.3	36	36	27	18
91.8	33	32	25	17
98.0	30	30	24	16
105.0	27	28	23	16
112.0	25	25	23	15
118.0	22	23	22	15
125.0	21	21	21	14
131.0	19	20	19	14
138.0	17	18	18	13
144.0	16	17	17	13
151.0	15	16	16	12
157.0	14	15	15	12
164.0	13	13	14	12
171.0	12	13	13	11
177.0	11	12	12	11
184.0		11	11	11
190.0		10	10	10
197.0		9	9	10
203.0			9	9
210.0			8	8
216.0			7	8
223.0				8
230.0				7
236.0				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 145+44 lbs

Load capacities with 167 ft main boom

Radius (ft)	43 ft	62 ft	82 ft	102 ft
45.9	46			
52.5	46	43		
59.0	45	42		
65.6	45	41	29	
72.2	44	40	29	18
78.7	41	39	29	18
85.3	36	37	28	18
91.8	32	33	27	17
98.0	29	30	25	17
105.0	27	27	24	16
112.0	24	25	23	15
118.0	22	23	22	15
125.0	20	21	21	15
131.0	19	19	20	14
138.0	17	18	18	14
144.0	16	16	17	13
151.0	15	15	16	13
157.0	13	14	15	12
164.0	12	13	13	12
171.0	12	12	12	11
177.0	11	11	12	11
184.0	10	10	11	11
190.0	9	10	10	10
197.0		9	9	9
203.0		8	8	9
210.0		8	8	8
216.0			7	8
223.0			7	7
230.0			6	7
236.0				6
243.0				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 145+44 lbs

Load capacities with 177 ft main boom

Radius (ft)	43 ft	62 ft	82 ft	102 ft
52.5	44			
59.0	43.8	41.8		
65.6	43.1	41.4	29.7	
72.2	42.4	40.4	29.2	18.7
78.7	39.6	39.2	28.9	18.4
85.3	35.8	36.7	28.7	18.2
91.8	32.1	32.9	27.2	17.6
98.0	29	29.8	25.3	16.9
105.0	26.2	27	24	16.2
112.0	23.9	24.7	23.3	15.7
118.0	21.8	22.6	22.3	15.2
125.0	19.9	20.7	21.3	14.5
131.0	18.3	19	19.6	14
138.0	16.8	17.5	18.1	13.6
144.0	15.4	16.2	16.3	13.3
151.0	14.2	14.9	15.4	12.8
157.0	13.1	13.8	13.7	12.6
164.0	12.1	12.8	12.8	12.4
171.0	11.1	11.8	11.9	11.9
177.0	10.2	11	11	11
184.0	9.4	10.1	10.3	10.3
190.0	8.7	9.4	9.8	9.8
197.0	8	8.7	8.9	9.4
203.0		8	8.5	8.5
210.0		7.4	7.6	8
216.0		6.8	7.1	7.5
223.0			6.6	6.6
230.0			5.7	6.2
236.0			5.2	5.7
243.0				5.3
249.0				4.9

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 145+44 lbs

Load capacities with 187 ft main boom

Radius (ft)	43 ft	62 ft	82 ft	102 ft
59.0	43.3	41.8		
65.6	43.3	41.6	29.7	
72.2	42.1	40.6	29.3	18.7
78.7	39.2	38.6	29	18.5
85.3	35.4	36.3	28.8	18.2
91.8	31.7	32.6	27.2	17.8
98.0	28.6	29.4	26.2	17.1
105.0	25.8	26.7	25.3	16.6
112.0	23.5	24.3	23.7	15.7
118.0	21.4	22.2	22.3	15.2
125.0	19.5	20.3	20.9	15
131.0	17.8	18.6	19.2	14.5
138.0	16.3	17.1	17.4	14
144.0	15	15.1	15.8	13.5
151.0	13.5	14.5	14.4	13.3
157.0	12.7	13.3	13.3	12.8
164.0	11.6	11.9	12.4	12.4
171.0	10.7	11	11.4	11.9
177.0	9.8	10.3	10.7	11
184.0	9	9.7	9.8	10.3
190.0	8.2	9	9.4	9.4
197.0	7.5	8.2	8.5	8.5
203.0	6.9	7.6	8	8
210.0		7	7.6	7.6
216.0		6.4	6.7	7.1
223.0		5.8	6.2	6.6
230.0			5.7	6.2
236.0			5.3	5.3
243.0			4.9	4.8
249.0				4.3

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 145+44 lbs

Load capacities with 197 ft main boom

Radius (ft)	43 ft	62 ft	82 ft	102 ft
59.0	43.3	41.8		
65.6	43.1	41.5	29.7	
72.2	42.4	39.7	29.3	18.7
78.7	39.5	37.2	29.1	18.5
85.3	35.1	35	28.8	18.3
91.8	31.4	32.3	28.6	18.1
98.0	28.3	29.1	27.2	17.3
105.0	25.5	26.4	25.3	16.6
112.0	23.2	24	23.7	16.1
118.0	21.1	21.9	22.5	15.7
125.0	19.2	20	20.6	15.2
131.0	17.6	17.9	18.9	14.7
138.0	16.1	16	17.4	14.1
144.0	14.4	14.8	15.4	13.8
151.0	13.3	13.5	14	13.5
157.0	11.9	12.8	13	13
164.0	11	11.5	11.9	12.4
171.0	10.3	10.8	11	11.4
177.0	9.4	9.9	10.3	10.7
184.0	8.7	9.4	9.4	9.8
190.0	8	8.5	8.5	8.9
197.0	7.3	8	8	8.2
203.0	6.6	7.1	7.5	7.5
210.0	6	6.7	6.9	6.9
216.0	5.4	6.1	6.4	6.5
223.0		5.3	5.8	5.8
230.0		5	5.3	5.3
236.0		4.5	4.9	4.9
243.0			4.6	4.4
249.0			4.2	4.2

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 145+44 lbs

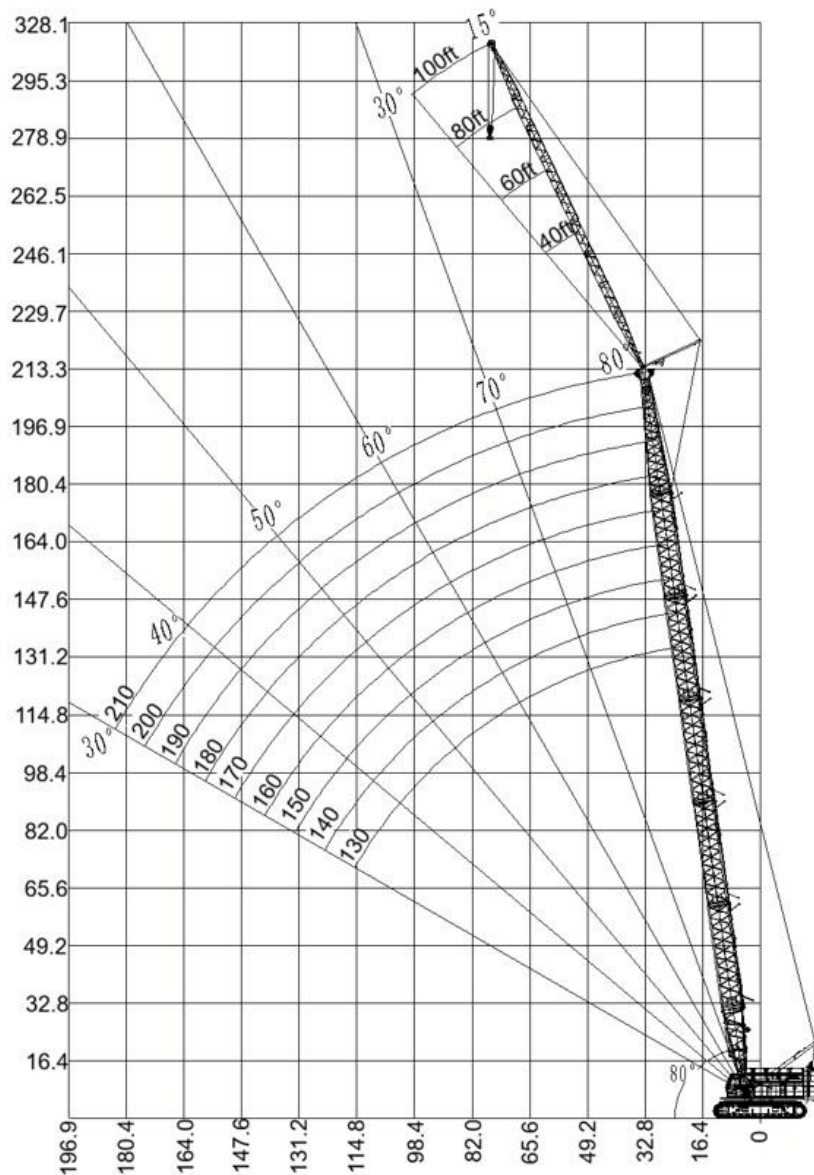
Load capacities with 207 ft main boom

Radius (ft)	43 ft	62 ft	82 ft	102 ft
59.0	40.9	37		
65.6	39.7	36.1	29.9	
72.2	38.3	35.4	29.5	
78.7	37.1	34.4	29.2	18.5
85.3	34.8	33.1	28.9	18.3
91.8	31	30.8	27.9	18.1
98.0	27.4	28.8	26.3	17.6
105.0	25.1	26	24.9	17.1
112.0	22.3	23	23.4	16.4
118.0	20.7	21.5	21.3	15.7
125.0	18.8	19.3	19.5	15.2
131.0	17.1	17.4	17.9	14.9
138.0	15.1	15.6	16	14.5
144.0	14	14.4	14.9	14
151.0	12.8	13.5	13.5	13.5
157.0	11.5	12.4	12.8	13
164.0	10.8	11.5	11.7	11.9
171.0	9.9	10.3	10.8	10.8
177.0	9	9.4	9.9	10.1
184.0	8.3	8.9	8.9	9.2
190.0	7.5	8	8.3	8.3
197.0	6.8	7.5	7.4	7.4
203.0	6.2	6.5	6.5	6.9
210.0	5.5	6.2	6.2	6.4
216.0	5	5.7	5.8	5.8
223.0	4.4	5.1	5.3	5.3
230.0		4.6	4.9	4.9
236.0		4.1	4.6	4.4
243.0		3.6	4.2	4.1
249.0			3.8	3.4

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 145+44 lbs



Boom configuration

Section	130 ft	140 ft	150 ft	160 ft	170 ft	180 ft	190 ft	200 ft	210 ft
Boom foot	1	1	1	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	2	2	2
30 ft insert B				1	1	1	2	2	2
Boom head	1	1	1	1	1	1	1	1	1

FIXED JIB 30° — LOAD CAPACITIES

Main boom + fixed jib at 30° | CW 145+44 lbs

Load capacities with 128 ft main boom

Radius (ft)	43 ft	62 ft	82 ft	102 ft
52.5	38.5			
59.0	37.9			
65.6	36.2	24.6		
72.2	34.7	23.9		
78.7	33.3	23.4	18.7	
85.3	32	23.1	17.9	14.1
91.8	30.6	22.3	16.9	13.4
98.4	29.7	21.5	16	12.8
105.0	27.3	20.8	15.3	12.1
111.5	25.9	20.1	14.3	11.8
118.1	23.6	19.5	13.8	11.1
124.6	22	18.6	13.5	10.4
131.2	20.1	18.4	13	10.2
137.8	18.8	17.6	12.7	9.5
144.3	16.9	16.7	12	9.3
150.9	15.5	16	11.7	8.8
157.4	14.1	14.8	11.1	8.3
164.0		14.2	10.8	8.1
170.6		13.5	10.5	7.6
177.1		13	10.3	7.4
183.7			10.1	7.2
190.2			9.8	6.9
196.8			9.7	6.9
203.4				6.8
209.9				6.8
216.5				6.5

Load capacities with 138 ft main boom

Radius (ft)	43 ft	62 ft	82 ft	102 ft
52.5	38.9			
59.0	38.5			
65.6	36.8	25.3		
72.2	35.3	24.6		
78.7	33.9	23.8	18.7	
85.3	32.3	23.1	17.9	
91.8	31.6	22.7	16.9	13.4
98.4	29.9	21.9	16	12.8
105.0	27.3	21.2	15.3	12.8
111.5	25.9	20.2	14.9	11.8
118.1	23.6	19.9	14.3	11.1
124.6	22	19.3	13.6	10.9
131.2	20.1	18.6	13.3	10.5
137.8	18.3	17.6	12.7	10
144.3	16.9	16.9	12.2	9.5
150.9	15.5	16	11.7	9.1
157.4	14.6	15.3	11.5	8.5
164.0	13.8	14.2	11	8.2
170.6		13.5	10.8	7.8
177.1		12.5	10.5	7.6
183.7		11.9	10.1	7.5
190.2			10	7.4
196.8			9.8	7.2
203.4			9.5	7
209.9				7
216.5				6.9
223.0				6.8

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 145+44 lbs

Load capacities with 148 ft main boom

Radius (ft)	43 ft	62 ft	82 ft	102 ft
52.5	39.2			
59.0	38.9			
65.6	37.3	25.7		
72.2	35.8	25.1		
78.7	34.5	23.8	19.1	
85.3	33.3	23.3	18.8	
91.8	31.9	23.1	17.4	13.9
98.4	29.7	22.3	16.9	13.5
105.0	28.2	21.5	15.9	12.8
111.5	25.9	20.9	15.2	11.8
118.1	23.6	20.2	14.5	11.4
124.6	21.5	19.5	14.2	10.9
131.2	19.7	18.6	13.6	10.5
137.8	18.3	18	13	10.2
144.3	16.9	17.1	12.6	9.7
150.9	15.5	16.4	12	9.2
157.4	14.2	15.1	11.7	8.8
164.0	13.5	14.2	11.2	8.3
170.6	12.4	13	10.9	8.1
177.1		12.1	10.7	7.8
183.7		11.2	10.5	7.5
190.2		10.5	10	7.4
196.8			9.8	7.3
203.4			9.3	7
209.9			9	6.9
216.5				6.9
223.0				6.9
229.6				6.7

Load capacities with 157 ft main boom

Radius (ft)	43 ft	62 ft	82 ft	102 ft
59.0	38.7			
65.6	37.8	25.5		
72.2	36.3	25.1		
78.7	35	23.8	19.1	
85.3	33.8	23.8	18.8	
91.8	32.2	23.1	17.8	13.9
98.4	31	22.6	16.9	13.5
105.0	27.8	21.9	15.9	12.8
111.5	25.5	21.2	15.5	12.1
118.1	23.4	20.5	15	11.8
124.6	21.5	19.9	14.4	11.1
131.2	19.7	19.2	13.8	10.9
137.8	17.9	17.9	13.6	10.5
144.3	16.5	17.4	13	10.2
150.9	15.1	16	12.6	9.5
157.4	14.2	14.7	12	9.2
164.0	13	13.9	11.7	8.8
170.6	12.1	13	11.2	8.3
177.1	11.1	12.1	10.7	8.2
183.7	10.2	11.2	10.5	7.8
190.2		10.3	10.1	7.5
196.8		9.4	9.4	7.4
203.4		8.9	8.9	7.3
209.9			8.4	7.1
216.5			7.5	6.9
223.0			7	6.9
229.6				6.6
236.2				6.2
242.7				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 145+44 lbs

Load capacities with 167 ft main boom

Radius (ft)	43 ft	62 ft	82 ft	102 ft
59.0	38.9			
65.6	38.2			
72.2	36.8	25.3		
78.7	35.5	24.5	18.9	
85.3	34.3	23.8	18.5	
91.8	33.2	23.1	17.8	13.6
98.4	30.6	22.9	16.9	13.2
105.0	27.8	22.2	16.2	12.8
111.5	25	21.6	15.8	12.7
118.1	22.9	21	15.2	11.8
124.6	21.1	20.2	14.7	11.2
131.2	19.2	19.2	14.3	10.9
137.8	17.9	17.9	13.8	10.4
144.3	16	16.9	13.5	10.2
150.9	15.1	16	12.9	9.7
157.4	13.9	14.6	12.6	9.4
164.0	12.6	13.5	12	9.1
170.6	11.7	12.6	11.7	8.7
177.1	10.7	11.6	11.2	8.4
183.7	9.8	10.7	10.7	8.3
190.2	9.2	9.8	10.3	7.8
196.8		8.9	9.8	7.5
203.4		8.5	8.9	7.3
209.9			8	7.2
216.5			7.5	6.9
223.0			6.8	6.9
229.6			6.4	6.6
236.2				6.2
242.7				5.7
249.3				5.4

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 145+44 lbs

Load capacities with 177 ft main boom

Radius (ft)	43 ft	62 ft	82 ft	102 ft
59.0	39.2			
65.6	38.7			
72.2	37.3	26.2		
78.7	36	25.4		
85.3	34.8	23.8	19.1	
91.8	33.6	23.3	18.7	
98.4	30.5	23	17.4	13.2
105.0	27.3	22.5	16.9	12.8
111.5	25	21.9	15.9	12.7
118.1	22.9	21.3	15.5	12.1
124.6	20.9	20.7	15	11.8
131.2	19.2	19.5	14.5	11.3
137.8	17.4	18.3	13.9	10.8
144.3	16	16.9	13.5	10.5
150.9	14.6	15.5	13	10.1
157.4	13.7	14.2	12.6	9.6
164.0	12.6	12.8	12.1	9.2
170.6	11.6	11.9	11.7	9
177.1	10.6	11.1	11.4	8.6
183.7	9.7	10.6	10.7	8.4
190.2	8.9	9.8	10.3	8.2
196.8	8.1	8.9	9.4	7.8
203.4		8	8.9	7.5
209.9		7.6	8	7.3
216.5		7	7.5	7.2
223.0			6.6	7
229.6			6.2	6.6
236.2			5.6	6.2
242.7				5.3
249.3				4.8

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 145+44 lbs

Load capacities with 187 ft main boom

Radius (ft)	43 ft	62 ft	82 ft	102 ft
59.0	39.4			
65.6	39.1			
72.2	37.7	26.2		
78.7	36.4	25.4		
85.3	35.3	24.4	19.1	
91.8	33.4	23.8	18.7	
98.4	30.1	23.2	17.8	13.9
105.0	27.3	22.9	16.9	13.4
111.5	24.6	22.2	15.9	12.7
118.1	22.5	21.6	15.4	12.1
124.6	20.6	20.4	15	11.8
131.2	18.8	19.3	14.6	11.2
137.8	17.2	18.1	14.2	10.8
144.3	15.6	16.5	13.8	10.5
150.9	14.5	15.5	13.5	10.1
157.4	12.8	13.8	13	9.7
164.0	11.9	13	12.4	9.3
170.6	11.2	11.9	11.7	9.1
177.1	10.2	11.2	11	8.7
183.7	9.4	10.3	10.3	8.5
190.2	8.5	9.4	9.8	8.3
196.8	7.8	8.5	8.9	8
203.4	7	8	8.5	7.8
209.9	6.3	7.1	7.6	7.3
216.5		6.7	7.1	7.1
223.0		6	6.6	6.5
229.6		5.4	5.7	6.2
236.2			5.3	5.7
242.7			5	5.3
249.3			4.7	4.8

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 145+44 lbs

Load capacities with 197 ft main boom

Radius (ft)	43 ft	62 ft	82 ft	102 ft
59.0	39.4			
65.6	39.2			
72.2	38.1	26.2		
78.7	36.8	25.5		
85.3	35.7	24.5	19.1	
91.8	33.1	23.8	18.7	
98.4	29.7	23.3	17.8	13.9
105.0	26.9	23	16.9	13.4
111.5	24.1	22.5	16.4	13
118.1	22.3	21.9	15.9	12.7
124.6	20.2	20.4	15.2	12.1
131.2	18.3	18.8	14.9	11.8
137.8	16.3	17	14.2	11.2
144.3	15.2	15.6	13.8	10.8
150.9	13.5	14.4	13.5	10.4
157.4	12.4	13.3	13.3	10.1
164.0	11.5	12.4	12.6	9.7
170.6	10.8	11	11.9	9.4
177.1	9.9	10.3	11	9.1
183.7	8.9	9.4	10.3	8.7
190.2	8.3	8.9	9.2	8.4
196.8	7.6	8	8.2	8.2
203.4	6.7	7.6	7.6	7.9
209.9	6.2	7.1	6.9	7.3
216.5	5.5	6.2	6.7	6.9
223.0		5.8	6.2	6.2
229.6		4.9	5.7	5.7
236.2		4.3	5.1	5.3
242.7			4.6	4.8
249.3			4.2	4.6

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 145+44 lbs

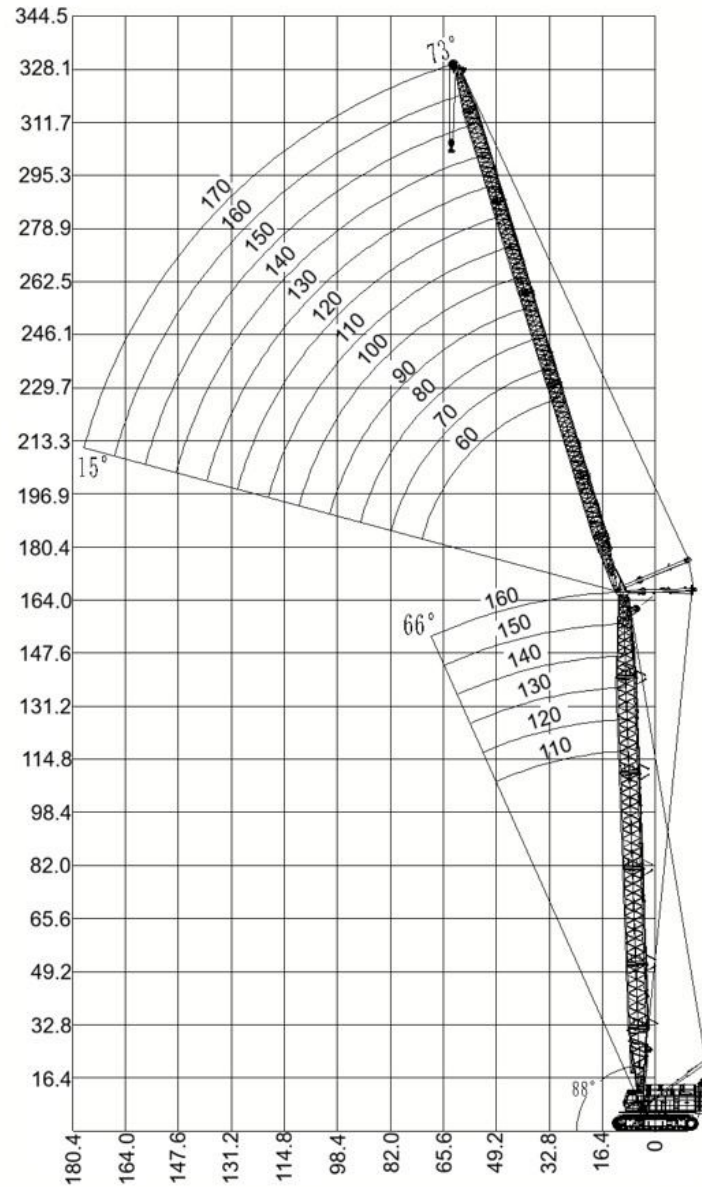
Load capacities with 207 ft main boom

Radius (ft)	43 ft	62 ft	82 ft	102 ft
65.6	37.2			
72.2	36.5	26.2		
78.7	35.6	25.5		
85.3	34.6	24.5	19.1	
91.8	32.7	23.8	18.7	
98.4	29.6	23.3	17.8	13.9
105.0	26.4	23	17.1	13.4
111.5	23.3	22.8	16.6	12.7
118.1	21.3	21.8	15.9	12.7
124.6	19.3	21.1	15.5	12.2
131.2	17.4	19.2	15	11.8
137.8	15.6	16.5	14.5	11.2
144.3	14.4	15.1	14.2	10.8
150.9	13.3	14	13.8	10.4
157.4	11.9	12.8	13.3	10.1
164.0	11	11.9	12.4	10
170.6	10.3	11	11.4	9.6
177.1	9.4	10.1	10.7	9.2
183.7	8.3	9.2	9.8	8.9
190.2	7.4	8.3	8.9	8.4
196.8	7.1	7.4	8	8
203.4	6.5	7.1	7.3	7.4
209.9	5.8	6.7	6.5	6.9
216.5	5.1	5.8	6.2	6.4
223.0	4.5	5.3	5.8	5.8
229.6		4.9	5.3	5.2
236.2		4.3	4.6	4.4
242.7		3.8	4.1	3.9
249.3			3.7	3.3

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

LUFFING JIB

Main boom + luffing jib | CW 145+44 lbs



Boom configuration

Section	80 ft	90 ft	100 ft	110 ft	120 ft	130 ft	140 ft	150 ft	160 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	2
30 ft insert B								1	1
Boom head	1	1	1	1	1	1	1	1	1

LUFFING JIB — LOAD CAPACITIES

Main boom + luffing jib | CW 145+44 lbs

Load capacities with 80 ft main boom 88°

Radius (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
28.2	133.8											
29.5	133.1											
31.2		116.8										
32.8	124.5	115.9										
34.4			101.2									
36.1	107.4	107.6	100.1									
37.7				89.1								
39.4	94.2	94.5	94.6	88.2								
42.6	83.7	84.1	84.1	83.9	80.3	70.6						
44.3							61.6					
45.9	75.1	75.6	75.6	75.4	76.6	69.2	61.4					
47.6								53.7				
49.2	68	68.6	68.6	68.3	69.3	68	60.2	53.4				
50.8									46.4			
52.5	62.1	62.7	62.7	62.4	63.2	63	59.1	52.3	45.8			
59.0	52.7	53.4	53.3	53	53.5	53.3	52.9	50.5	44.1	39.1	33.9	
60.0												28.8
65.6	44	46.3	46.2	45.8	46.2	46	45.6	45.3	42.6	37.6	32.6	27.5
69.5	42.5											
72.2		40.7	40.6	40.2	40.4	40.2	39.8	39.5	40.6	36.1	31.4	26.7
78.7		36.3	36.1	35.7	35.8	35.6	35.2	34.9	35.8	33.4	29.5	25.7
79.0		36.1										
85.3			32.5	32	32	31.8	31.4	31.1	31.8	31	27.3	23.7
88.6			30.8									
91.8				29	28.9	28.7	28.2	27.9	28.6	28.1	25.4	22.7
98.1				26.6								
98.4					26.2	26	25.5	25.3	25.8	25.3	23.7	22.1
105.0					24	23.7	23.2	23	23.4	23	22.2	21.5
107.6					23.1							
111.5						21.8	21.3	21	21.4	20.9	20.4	20
117.1						20.2						
118.1							19.5	19.2	19.6	19.1	18.6	18.2
124.6							18.1	17.7	18	17.5	17.1	16.6
126.6							17.6					
131.2								16.4	16.6	16.1	15.7	15.2
136.1								15.6				
137.8									15.4	14.9	14.4	13.9

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 145+44 lbs

Load capacities with 90 ft main boom 88°

Radius (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
28.2	133.8											
29.5	133.1											
31.2		116.8										
32.8	124.5	115.9										
34.4			101.2									
36.1	107.4	107.6	100.1									
37.7				89.1								
39.4	94.2	94.5	94.6	88.2								
42.6	83.7	84.1	84.1	83.9	80.3	70.6						
44.3							61.6					
45.9	75.1	75.6	75.6	75.4	76.6	69.2	61.4					
47.6								53.7				
49.2	68	68.6	68.6	68.3	69.3	68	60.2	53.4				
50.8									46.4			
52.5	62.1	62.7	62.7	62.4	63.2	63	59.1	52.3	45.8			
55.8										40.3		
57.4											34.8	
59.0	52.7	53.4	53.3	53	53.5	53.3	52.9	50.5	44.1	39.1	33.9	
60.7												28.8
64.0	44	46.3	46.2	45.8	46.2	46	45.6	45.3	42.6	37.6	32.6	27.5
67.2	42.5											
70.5		40.7	40.6	40.2	40.4	40.2	39.8	39.5	40.6	36.1	31.4	26.7
78.7		36.3	36.1	35.7	35.8	35.6	35.2	34.9	35.8	33.4	29.5	25.7
79.0		36.1										
85.3			32.5	32	32	31.8	31.4	31.1	31.8	31	27.3	23.7
88.6			30.8									
91.8				29	28.9	28.7	28.2	27.9	28.6	28.1	25.4	22.7
98.1				26.6								
98.4					26.2	26	25.5	25.3	25.8	25.3	23.7	22.1
105.0					24	23.7	23.2	23	23.4	23	22.2	21.5
107.6					23.1							
111.5						21.8	21.3	21	21.4	20.9	20.4	20
117.1						20.2						
118.1							19.5	19.2	19.6	19.1	18.6	18.2
124.6							18.1	17.7	18	17.5	17.1	16.6
126.6							17.6					
131.2								16.4	16.6	16.1	15.7	15.2
136.1								15.6				
137.8									15.4	14.9	14.4	13.9

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 145+44 lbs

Load capacities with 100 ft main boom 88°

Radius (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
28.2	102.7											
29.5	102.1											
31.2		91.3										
32.8	98	90.4										
34.4			83.4									
36.1	94.4	87.1	82.6									
37.7				73.3								
39.4	91.2	84.3	81.3	72.6								
41.0					66.9	66.9						
42.6	85.8	81.6	79.6	71.5	65.9	65.8						
45.9				70.6	64.9	64.9	52.8					
49.2	77.1	69.7	77.1		63.8		51.9	46.2				
52.5	69.9	63.8	69.8	69.9	63.1	63.1	51	45.3	39.6			
55.8	63.8		63.7	64.8						33.7	29	
59.0	54.2	54.1	54	54.8	54.2	54.3	49.5	43.8	38.3	33	28.6	
62.3												24.4
65.6	47.1	46.9	46.7	47.3	46.6	46.6	46.2	42.7	37	31.9	27.5	23.3
72.2	42.7	41.1		41.4	40.9	40.7	40.3	41.4	36.1	30.8	26.6	22.4
78.7		36.5	41	36.7	36.1	35.9	35.4	36.3	35.4	30.1	26	21.8
85.3			36.4	32.8	32.3	32.1	31.7	32.3	32.1	29.5	25.3	21.3
91.8				29.7	29	28.8	28.4	29	28.8	28.4	24.6	20.9
95.1			32.7									
98.4				27.1	26.4	26.1	25.7	26.2	26	25.5	23.8	20.5
101.7			30.8									
105.0					24	23.8	23.3	23.8	23.5	23.1	22.2	20
111.5						21.8	21.3	21.8	21.6	21.1	20.5	19.6
118.1							19.6	20	19.6	19.2	18.7	18
124.6							18	18.3	18	17.6	17.1	16.3
131.2								16.9	16.6	16.2	15.7	15.2
137.8									15.4	14.9	14.4	14
144.3									14.3	13.8	13.3	12.8
150.9										12.8	12.3	11.8
157.4											11.4	10.6
164.0											10.6	9.9
170.6											10.6	9.2

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 145+44 lbs

Load capacities with 110 ft main boom 88°

Radius (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
28.2	113.7											
29.5	113.3											
31.2	110.7	100.5										
32.8	108.2	100.2										
34.4	106		90.9									
36.1	103.8	96.2	89.9									
37.7				78.1								
39.4	97.9	92.6	86.6	77.5								
41.0					71.5							
42.6	86.8	86.8	83.7	76.2	70.8							
45.9	77.8	77.8	77.9	75	69.6	61.7						
49.2	70.5	70.4	70.4	70.1	68.5	60.6	53					
52.5	64.3	64.2	64.2	63.9	64.8	59.6	52.1	45.2	39			
59.0	54.6	54.4	54.3	54	54.6	54.5	50.6	43.7	37.6	32.4	24.8	
65.6	45.5	47	46.9	46.6	47	46.8	48	42.5	36.5	31.3	23.9	23
72.2		41.3	41.1	40.8	41	40.8	41.8	41.5	35.5	30.3	23.1	22.1
78.7		36.7	36.5	36.1	36.3	36.1	36.8	36.6	34.8	29.6	22.5	21.3
85.3			32.7	32.3	32.4	32.2	32.8	32.5	32.3	29	22	21.1
91.8				29.2	29.1	28.9	29.4	29.2	28.9	28.5	21.6	20.7
98.4				26.5	26.4	26.2	26.6	26.3	26	25.6	21.4	20.2
105.0					24.1	23.8	24.1	23.9	23.6	23.2	21.3	19.8
108.2						20.1						
111.5						21.8	22	21.8	21.5	21.1	20.6	19.4
118.1						20.1	20.2	20	19.7	19.2	18.8	18
124.6							18.6	18.4	18.1	17.6	17.2	16.3
131.2								17	16.7	16.2	15.7	15.3
137.8									15.4	14.9	14.5	13.9
144.3									14.3	13.8	13.3	12.8
150.9										12.8	12.3	11.8
157.4											11.4	10.6
164.0											10.6	9.9
170.6												9

Load capacities with 120 ft main boom 88°

Radius (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
32.8	98	90.9										
36.1	94	87.2	79.6									
39.4	90.4	84	76.8	72.4								
42.6	87.3	81.2	74.2	70.4	65.6							
45.9	78.6	78.6	71.9	68.3	64.5	58.2						
49.2	71.1	71	69.8	66.3	63.5	57.2	51					
52.5	64.8	64.7	64.7	64.6	62.7	56.2	50.2	43.6				
59.0	54.9	54.8	54.7	55.6	55	54.8	48.6	41.8	36.5	31.7	27.7	
65.6	46.1	47.3	47.2	47.8	47.3	47.1	47.5	40.9	35.5	30.6	26.6	22.7
72.2							42	40	34.5	29.7	25.7	21.7
78.7							37	36.7	33.8	28.9	24.9	20.9
85.3							32.9	32.6	32.4	28.3	24.3	20.5
91.8				29.8	29.2	29	29.5	29.3	29	27.9	23.8	20
98.4				27.1	26.5	26.2	26.6	26.4	26.1	25.7	23.4	19.6
105.0					24.1	23.9	24.2	24	23.7	23.2	22.4	19.1
111.5						21.9	22.1	21.8	21.6	21.1	20.7	18.7
118.1						20.1	20.3	20	19.7	19.3	18.8	18
124.6							18.7	18.5	18.1	17.7	17.2	16.3
131.2								16.9	16.7	16.2	15.8	15
137.8									15.4	15	14.5	13.6
144.3									14.3	13.8	13.3	12.8
150.9										12.8	12.3	11.8
157.4											11.4	10.6
164.0											10.6	9.9
170.6												9

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 145+44 lbs

Load capacities with 130 ft main boom 88°

Radius (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
32.8	86.6	80.3										
36.1	83.1	77.2	71.1									
39.4	80.1	74.4	68.6	63.2								
42.6	77.4	71.9	66.4	61.2	58.9							
45.9	75	69.6	64.4	59.3	57.9	52.6	47.3					
49.2	71.7	67.6	62.6	57.7	56.2	51.6	46.5					
52.5	65.3	65.2	61	56.1	54.7	50.8	45.7	41.1				
55.8	59.8	59.4	58.5	54.8	53.5	50.2	48	40.5		31.7		
59.0	55.3	55.1	56.3	53.5	52.1	49.6	47.3	39.8	35.4	30.8	27.1	
65.6	46.8	47.5	48.4	48.2	47.6	47.4	46.5	38.7	34.3	29.7	26.1	22.4
72.2		41.6	42.4	42	41.5	41.3	45.7	37.9	33.4	28.8	25.2	21.5
78.7		36.9	37.5	37.2	36.6	36.4	37.2	37	32.7	28.1	24.4	20.7
85.3			33.6	33.2	32.6	32.4	33	32.8	32.2	27.6	23.8	20.1
91.8				29.9	29.3	29.1	29.6	29.4	29.1	27.2	23.3	19.5
98.4				27.3	26.5	26.3	26.7	26.5	26.2	25.8	23	19.4
105.0					24.2	23.9	24.3	24	23.8	23.3	22.4	18.9
111.5						21.9	22.2	21.9	21.6	21.2	20.7	18.5
118.1						20.2	20.3	20.1	19.8	19.3	18.9	18
124.6							18.7	18.4	18.2	17.7	17.2	16.1
131.2								17	16.7	16.3	15.8	15
137.8								15.8	15.4	15	14.5	13.6
144.3									14.3	13.8	13.3	12.9
150.9										12.8	12.3	11.8
157.4											11.4	10.3
164.0											10.6	9.7
170.6												8.8

Load capacities with 140 ft main boom 88°

Radius (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
32.8	83.6											
36.1	80.4											
39.4	77.1	71.7	66.1									
42.6	74.2	69.1	63.8	59								
45.9	71.7	66.7	61.6	57	53.5							
49.2	69.4	64.7	59.7	55.2	51.8	49	43.6					
52.5	67.4	62.8	58	53.6	50.3	48.2	42.9	40.6				
55.8	65.7	61.1	56.4	52.2	48.9	47.5				30.1		
59.0	60.5	59	55.2	50.8	47.5	46.4	41.6	39.2	33.9	29.4	25.8	
65.6	55.6	56.7	53.8	49.7	46.5	45.6	40.7	38.1	32.9	28.4	24.8	21.6
72.2	47.4	48.8	48.7	47.7	44.6	43.7	40	37.3	32	27.5	23.9	20.9
78.7		37.8	37.7	37.3	36.7	37.8	37.4	36.7	31.3	26.8	23.2	20.2
85.3			33.7	33.3	32.7	33.6	33.2	33	30.9	26.3	22.6	19.8
91.8				30	29.4	30.2	29.7	29.5	29.2	25.9	22.1	19.4
98.4				27.2	26.6	27.3	26.8	26.6	26.3	25.6	21.8	18.9
105.0					24.2	24.8	24.4	24.1	23.8	23.4	21.6	18.7
111.5						22.7	23.3	23	22.7	22.3	21.2	18.5
118.1						20.8	22.2	22	21.7	21.2	20.8	18.3
124.6							20.4	20.1	19.8	19.4	18.9	17.8
131.2								17	16.7	16.3	15.8	14.7
137.8								15.8	15.5	15	14.5	13.4
144.3									14.3	13.8	13.4	12.5
150.9										12.8	12.3	11.7
157.4											11.4	10.1
164.0											10.6	9.5
170.6												8.6

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 145+44 lbs

Load capacities with 149 ft main boom 88°

Radius (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
31.2	75.9											
32.8	73.6											
36.1	70.5	65.8										
39.4	67.8	63.3	59.1	55								
42.6	65.4	61.1	57.1	53.1	50.1							
45.9	63.3	59.2	55.3	51.4	48.5	45						
49.2	61.5	57.4	53.6	49.9	47.1	43.7	40.9					
52.5	59.8	55.9	52.2	48.5	45.8	42.6	40.2	39.9				
55.8	57.9	54.6	51	47.3						28.6		
59.0	56	53.3	49.6	46.1	43.6	40.5	39.1	38.6	32	28.1		
65.6	48	49.1	47.6	44.1	41.7	38.7	37.4	37.5	31	27.2	24	20.9
72.2	42.3	42.9	42.8	42.5	40.2	37.3	35.9	36.6	30.2	26.3	23.2	20.5
78.7		38	37.9	37.5	38.2	36.1	34.7	36	29.6	25.7	22.5	20
85.3			33.8	33.5	34	33.8	33.4	33.1	29.1	25.2	22	19.6
91.8				30.1	30.5	30.3	29.9	29.6	28.9	24.8	21.5	19.1
98.4				27.3	27.6	27.4	26.9	26.7	26.4	24.6	21.2	18.7
105.0					25.1	24.9	24.4	24.2	23.9	23.5	21	18.5
111.5						22.7	22.3	22	21.8	21.3	20.8	18
118.1						20.9	20.4	20.1	19.9	19.4	19	17.6
124.6							18.8	18.5	18.2	17.8	17.3	15.6
131.2								17.1	16.8	16.3	15.8	14.5
137.8								15.8	15.5	15	14.5	13.2
144.3									14.3	13.8	13.4	12.3
150.9										12.8	12.3	11.4
157.4										11.9	11.4	9.9
164.0											10.5	9.2
170.6												8.4

Load capacities with 159 ft main boom 88°

Radius (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
31.2	65.6											
32.8	64.1											
36.1	61.6	60										
39.4	59.5	57.7	54									
42.6	57.6	55.6	52.1	48.8	45.5							
45.9	55.9	53.8	50.5	47.3	44.1	40.9						
49.2	54.5	52.3	49	45.7	42.8	39.7	37.5					
52.5	52	50.7	47.5	44.4	41.5	38.6	36.5	34				
55.8										27.7		
59.0	49.4	48.3	45.2	42.1	39.5	36.7	34.5	32.9	29.8	27.1		
65.6	43.3	46.4	43.2	40.3	37.8	35	32.9	31.8	28.9	26.1	23	20.7
72.2	43.3	43	41.8	38.8	36.3	33.6	31.6	30.5	28.1	25.3	22.2	20.2
78.7		38	38	37.6	35.1	32.5	30.5	29.4	27.5	24.6	21.5	19.8
85.3							29.6	28.4	27	24.1	20.9	19.4
91.8			33.9	33.6	34	31.6	28.8	27.6	26.2	23.8	20.5	18.9
98.4				30.1	30.5	30.3	27	26.7	25.5	23.5	20.2	18.5
105.0				27.3	27.7	27.5	24.4	24.2	23.9	23.4	20	18.3
111.5					25	24.8	22.3	22	21.7	21.3	19.9	17.8
118.1						22.8	20.5	20.1	19.8	19.4	18.9	17.4
124.6						20.8	18.7	18.4	18.2	17.7	17.2	15.4
131.2								17	16.7	16.2	15.8	14.3
137.8								15.7	15.4	14.9	14.4	13
144.3									14.2	13.8	13.3	12.1
150.9										12.7	12.2	11.2
157.4										11.8	11.3	9.7
164.0											10.4	9
170.6												8.1
177.1												7.7

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 145+44 lbs

Load capacities with 80 ft main boom 76°

Radius (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
55.8	84											
59.0	80.1											
61.7		76.6										
65.6	69.1	69										
66.3			68.9									
70.8				59.4								
72.2	58.1	58	57.9	57.6								
75.8					53.2							
78.7	50	49.8	49.7	49.4	49.8							
80.7						48.2						
85.3	43.8	43.5	43.4	43.1	43.3	43.1	42.7					
86.3	42.9							38.7				
91.8		38.6	38.4	38	38.1	37.9	37.5	37.3				
95.8		36.1							36.1			
98.4			34.4	33.9	34	33.7	33.3	33	33.8			
99.7										31.7		
104.6											26.6	
105.0			31	30.6	30.5	30.3	29.8	29.6	30.2	29.8	26.4	
105.3			30.8									
109.2												22.9
111.5				27.8	27.6	27.4	26.9	26.6	27.2	26.8	24.6	22.4
114.8				26.6								
118.1					25.1	24.9	24.4	24.1	24.6	24.2	23	21.8
124.3					23.1							
124.6						22.8	22.3	22	22.4	22	21.5	21
131.2						21	20.4	20.1	20.5	20	19.6	19.1
133.8						20.2						
137.8							18.8	18.5	18.8	18.3	17.9	17.4

Load capacities with 90 ft main boom 76°

Radius (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
55.8	84											
59.0	80.1											
62.3		76.6										
64.0	69.1	69										
65.6			68.9									
68.9				59.4								
70.5	58.1	58	57.9	57.6								
75.8					53.2							
78.7	50	49.8	49.7	49.4	49.8							
80.7						48.2						
85.3	43.8	43.5	43.4	43.1	43.3	43.1	42.7					
86.3	42.9							38.7				
91.8		38.6	38.4	38	38.1	37.9	37.5	37.3				
95.8		36.1							36.1			
98.4			34.4	33.9	34	33.7	33.3	33	33.8			
99.7										31.7		
104.6											26.6	
105.0			31	30.6	30.5	30.3	29.8	29.6	30.2	29.8	26.4	
105.3			30.8									
109.2												22.9
111.5				27.8	27.6	27.4	26.9	26.6	27.2	26.8	24.6	22.4
114.8				26.6								
118.1					25.1	24.9	24.4	24.1	24.6	24.2	23	21.8
124.3					23.1							
124.6						22.8	22.3	22	22.4	22	21.5	21
131.2						21	20.4	20.1	20.5	20	19.6	19.1
133.8						20.2						
137.8							18.8	18.5	18.8	18.3	17.9	17.4

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 145+44 lbs

Load capacities with 100 ft main boom 76°

Radius (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
62.3	72.8											
65.6	68.5	66.9										
72.2	61.8	60.9	59.8									
75.4				56.3								
78.7	55.5	55	54.7	53.9								
85.3	48	47.7	47.7	48.2	47.7	47.5						
91.8	42.9	41.8	41.8	42.2	41.6	41.4	40.9					
95.1								38.9				
98.4		37.2	37	37.4	36.7	36.5	36.1	37				
105.0		35.9	33.2	33.4	32.8	32.6	32.1	32.9	32.7	28.4		
111.5			30.8	30.1	29.5	29.3	28.8	29.5	29.3	27.6		
114.8											23.8	
118.1				27.3	26.8	26.6	26	26.6	26.4	26	23	
124.6					24.4	24.2	23.8	24.2	24	23.5	22.5	21.1
131.2						22.2	21.6	22	21.8	21.3	20.9	20.5
137.8						20.5	19.8	20.2	20	19.4	19	19.6
144.3							18.3	18.5	18.3	17.8	17.4	18.3
150.9								17.2	16.9	16.5	15.9	16.3
157.4								15.8	15.6	15.2	14.6	14.7
164.0									14.5	14.1	13.5	13.6
170.6										13	12.5	12.5
177.1											11.5	11.4
183.7											10.7	10.6
190.2												9.7
196.8												8.8

Load capacities with 110 ft main boom 76°

Radius (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
65.6	66.6											
72.2	60.5	59.1										
78.7	54.8	54.1	53.1	52.4								
85.3	49.7	49.2	48.8	48.2	46.9							
91.8	44	43.8	43.7	44.2	43.4	42.6						
98.4		38.7	38.5	38.9	38.4	38.2	39	38.4				
105.0			34.4	34.7	34.1	33.9	34.5	34.3	32.1			
108.2				28.3	27.6	27.4						
111.5			31	31.2	30.6	30.4	30.9	30.6	30.4	27.5	23.6	
118.1				28.3	27.6	27.4	27.8	27.6	27.3	26.9	23	20.2
124.6					25.1	24.9	25.2	25	24.7	24.3	22.5	19.8
131.2						23	22.8	23	22.7	22.5	22	21.6
137.8							20.9	21	20.8	20.5	20.1	19.6
144.3								19.4	19.1	18.8	18.4	17.9
150.9									17.6	17.3	16.9	16.4
157.4									16.3	16	15.5	15
164.0										14.8	14.3	13.8
170.6											13.3	12.8
177.1											12.3	11.8
183.7												10.9
190.2												10.3
196.8												9.7

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 145+44 lbs

Load capacities with 120 ft main boom 76°

Radius (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
72.2	57	56.5										
78.7	52.4	52	51	50.6								
85.3	48.2	47.7	47	46.6		45.5						
91.8	44.7	44.2	43.9	43.3	42.1	41.3						
98.4		40.3	40.2	40.1	39.1	38.4	38					
105.0		35.9	35.7	36.1	35.5	35.3	35.4	34.7				
111.5			32.1	32.3	31.7	31.5	32.1	31.8	31.6	27.3		
118.1				29.2	28.6	28.4	28.8	28.6	28.3	26.6	20.5	
124.6					25.9	25.7	26.1	25.8	25.6	25.1	20	19.1
131.2					23.7	23.4	23.7	23.5	23.2	22.7	19.7	18.5
137.8						21.5	21.7	21.4	21.1	20.7	19.4	17.8
144.3							19.9	19.6	19.4	18.9	18.4	16.3
150.9							18.4	18.1	17.8	17.3	16.9	15
157.4								16.7	16.4	15.9	15.5	13.9
164.0									15.2	14.7	14.2	12.8
170.6									14.1	13.6	13.1	11.9
177.1										12.6	12.1	11.2
183.7											11.2	10.3
190.2											10.4	9.7
196.8												9.2

Load capacities with 130 ft main boom 76°

Radius (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
72.2	57											
78.7	52.3	51	50.5									
85.3	48.2	47	46.6	45.5								
91.8	44.1	43.6	43.2	42.1	40.9							
98.4		40	40	39.2	38	37.3	36.9					
105.0		36.8	36.9	36.4	35.5	34.8	34.4	33.7				
111.5			33.9	33.5	32.9	32.5	32.2	31.5	30.9	26.7		
118.1				30.2	29.6	29.4	29.9	29.6	29	26	22.4	
124.6				27.4	26.8	26.5	27	26.7	26.5	25.5	21.8	18.9
131.2					24.4	24.1	24.5	24.2	24	23.5	21.4	18.3
137.8						22.1	22.3	22.1	21.8	21.4	20.9	17.6
144.3						20.3	20.5	20.2	19.9	19.5	19	16.1
150.9							18.8	18.6	18.3	17.8	17.4	14.7
157.4								17.1	16.8	16.4	15.9	13.6
164.0								15.9	15.6	15.1	14.6	12.5
170.6									14.4	13.9	13.5	11.9
177.1										12.9	12.4	11.2
183.7										12	11.5	10.3
190.2											10.6	9.7
196.8												9.2

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 145+44 lbs

Load capacities with 140 ft main boom 76°

Radius (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
78.7	50.6	49.8										
85.3	46.7	46	45.1	44								
91.8	43.3	42.6	41.8	40.8	39.5							
98.4	39.7	39.6	38.9	37.9	36.7	36.6						
105.0		36.5	36.3	35.4	34.3	34.1	33.2	32.6				
111.5			33.6	33.1	32.1	31.9	32		30.6			
118.1			31.2	30.8	30.1	30	31.1	30.4	29.8			
124.6				28.3	27.7	28.2	29.2	28.5	27.9	25.4		
131.2					25.2	25.7	25.3	25	24.7	24	20.5	17.8
137.8					23	23.5	23	22.8	22.5	22.1	20.1	17.2
144.3						21.5	21.1	20.8	20.5	20.1	19.6	15.8
150.9							19.4	19.1	18.8	18.4	17.9	14.5
157.4							17.9	17.6	17.3	16.8	16.4	13.4
164.0								16.3	16	15.5	15	12.3
170.6									14.8	14.3	13.8	11.7
177.1										12.3	11.8	10.1
183.7											10.9	9.5
190.2												9
196.8												8.6

Load capacities with 149 ft main boom 76°

Radius (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
78.7	49.1	48.4										
85.3	45.3	44.6	43.8									
91.8	42	41.4	40.6	39.3								
98.4	39.1	38.6	37.8	36.8	36.2	35.5						
105.0		36	35.3	34.4	33.7	33.1	32.2					
111.5		33.3	33.1	32.2	31.6	31	30.1	29.5	28			
118.1			30.7	30.2	29.7	29.1	28.2	27.6	26.9	24.8		
124.6				28.2	28	27.4	26.6	26	25.4	24.2	20.9	
131.2				26.4	26.1	25.9	25.1	24.5	23.9	23.1	20.4	17.6
137.8					24.4	24.2	23.7	23.1	22.6	21.8	20	16.9
144.3						22.2	21.7	21.5	21.2	20.6	19.7	15.6
150.9							19.9	19.7	19.4	18.9	18.5	14.3
157.4							18.3	18.1	17.8	17.3	16.9	13.2
164.0								16.7	16.4	15.9	15.5	12.1
170.6									15.1	14.7	14.2	11.4
177.1									14	13.6	13.1	10.8
183.7									13.9			
190.2										12.6	12.1	9.9
196.8											11.1	9.5
203.4											10.3	9
209.9												8.4

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 145+44 lbs

Load capacities with 159 ft main boom 76°

Radius (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
78.7	48.1											
85.3		46.2										
91.8	44.4	43.3	42.4									
98.4	41.2	40.1	39.3	38.3								
105.0	38.4	37.4	36.6	35.6	34.9		29.8					
111.5	35.8	35	34.2	33.2	32.7	31.7	28.6	26.6				
118.1		32.8	32.1	31.2	30.6	30	27.3	25.5	23.9			
124.6			30.2	29.3	28.8	28.1	25.7	24.7	23.1	21.2	19.6	
131.2				27.7	27.1	26.5	24.2	23.6	22.3	20.5	19	17.3
137.8				25.9	25.6	25	22.9	22.3	21.7	19.9	18.6	16.7
144.3					24	23.7	21.7	21.1	20.5	19.4	18.3	15.4
150.9						22.3	20.5	20	19.5	18.7	18	14.1
157.4						21	18.9	18.6	18.3	17.7	17	13
164.0								17.1	16.8	16.4	15.9	11.9
170.6								15.8	15.5	15.1	14.6	11.2
177.1									14.4	13.9	13.4	10.6
183.7										12.9	12.4	9.7
190.2										11.9	11.4	9.2
196.8											10.6	8.8
203.4												8.1

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 145+44 lbs

Load capacities with 80 ft main boom 66°

Radius (ft)	62 ft	72 ft	82 ft	92 ft	102 ft	112 ft	121 ft	131 ft	141 ft	151 ft	161 ft
79.0	53.7										
85.3	48.7	48.2									
91.2			44								
91.8	44.5	44	43.7								
97.4				40.3							
98.4	40.8	40.4	40.1	39.5							
99.4	40.3										
103.7					36.7						
105.0		37.3	37	36.4	36						
108.9		35.6									
109.9						34.1					
111.5			34.3	33.7	33.4	33.1					
116.1							30.8				
118.1			31.1	30.6	30.5	30.3	29.9				
118.4			30.8								
122.3								27.5			
124.6				27.8	27.6	27.4	27	26.7			
127.9				26.6							
128.6									25.5		
131.2					25.2	24.9	24.5	24.2	24.7		
134.8										23.3	
137.4					23.1						
137.8						22.8	22.3	22	22.4	22	
141.0											20.5

Load capacities with 90 ft main boom 66°

Radius (ft)	62 ft	72 ft	82 ft	92 ft	102 ft	112 ft	121 ft	131 ft	141 ft	151 ft	161 ft
79.0	53.7										
85.3	48.7	48.2									
91.2			44								
91.8	44.5	44	43.7								
97.4				40.3							
98.4	40.8	40.4	40.1	39.5							
99.4	40.3										
103.7					36.7						
105.0		37.3	37	36.4	36						
108.9		35.6									
109.9						34.1					
111.5			34.3	33.7	33.4	33.1					
116.1							30.8				
118.1			31.1	30.6	30.5	30.3	29.9				
118.4			30.8								
122.3								27.5			
124.6				27.8	27.6	27.4	27	26.7			
127.9				26.6							
128.6									25.5		
131.2					25.2	24.9	24.5	24.2	24.7		
134.8										23.3	
137.4					23.1						
137.8						22.8	22.3	22	22.4	22	
141.0											20.5

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 145+44 lbs

Load capacities with 100 ft main boom 66°

Radius (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
88.6	46.6											
91.8	42.9	42.2										
98.4	39.4	38.9	38.3									
105.0	36.3	35.9	35.4	35.2								
108.2	35.2											
111.5		33.2	32.8	32.6								
118.1		31.2	30.6	30.4	29.6	29.3						
124.6				28.4	27.6	27.3	26.8					
131.2			27.5	26.4	25.8	25.5	25.1					
137.8					24.2	23.9	23.3	25.1	23.1			
144.3					22.7	22.4	22	22	21.7	21.2		
150.9						21.1	20.7	20.6	20.3	19.8	19.4	
157.4							19.1	19.4	19.1	18.6	18.2	15.4
164.0							17.8	17.9	17.6	17.1	16.6	14.1
170.6								16.5	16.2	15.8	15.3	13
177.1									15	14.5	14.1	11.9
183.7										13.5	13	11
190.2										12.5	12	10.3
196.8												9.2
203.3												8.8
209.9												8.6

Load capacities with 110 ft main boom 66°

Radius (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
91.8	41.8											
98.4	38.4	37.8										
105.0	35.4	34.8	34.5									
108.2		30	29.7	29.5	28.8							
111.5	32.8	32.3	31.9	31.7								
118.1		30	29.7	29.5	28.8							
124.6			27.7	27.5	26.8	26.4						
131.2				25.7	25	24.7	24.5					
137.8				24.1	23.4	23.1	23	22.6				
144.3						21.1	21.5	21.2	20.9			
150.9						20.5	20.2	19.9	19.6	19.1		
157.4						19.4	19.1	18.8	18.4	17.9	17.4	
164.0							18	17.7	17.4	16.9	16.4	13.9
170.6								16.7	16.4	15.9	15.4	12.8
177.1								15.8	15.5	15	14.5	11.7
183.7									14.6	14.1	13.6	10.8
190.2										13	12.5	10.1
196.8										12.1	11.6	9.7
203.3											10.8	9
209.9												8.6
216.5												8.1

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 145+44 lbs

Load capacities with 120 ft main boom 66°

Radius (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
98.4	37.3											
105.0	34.4	33.8										
111.5	31.9	31.3	30.9									
118.1		29.1	28.7	28.5								
124.6		27.2	26.8	26.6	25.9							
131.2			25.1	24.9	24.2	23.8						
137.8				23.3	22.6	22.3	22.1					
144.3					21.2	20.9	20.8	20.4				
150.9					20	19.7	19.5	19.2	18.9	18.3		
157.4						18.5	18.3	18	17.7	17.2	16.7	
164.0						17.6	17.3	17	16.7	16.2	15.7	13.6
170.6							16.3	16	15.7	15.2	14.7	12.5
177.1								15.2	14.8	14.3	13.8	11.4
183.7									14	13.5	13	10.6
190.2									13.3	12.8	12.3	10.1
196.8										12.1	11.6	9.5
203.4											11	8.8
209.9											10.4	8.4
216.5												7.9

Load capacities with 130 ft main boom 66°

Radius (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
105.0	33.4											
111.5	31	30.6	30.1									
118.1	29.3	28.4	27.9	27.9								
124.6		26.4	26.2	25.7	25.3							
131.2			24.4	24	23.3	23.1						
137.8			23.3	22.7	21.8	21.6	21.3					
144.3				21.1	20.5	20.5	20	19.6				
150.9						18.9	18.9	18.5				
157.4						17.8	17.6	17.4	17.4	16.1		
164.0						17.2	16.7	16.3	16.1	15.6	14.7	
170.6						16.5	15.6	15.4	15	14.5	14.1	12.3
177.1								14.5	14.1	13.6	13.2	11.2
183.7								13.9	13.4	13	12.3	10.3
190.2									12.5	12.1	11.7	9.9
196.8										11.4	11	9.2
203.4										11	10.3	8.6
209.9											9.7	8.1
216.5												7.7

Load capacities with 140 ft main boom 66°

Radius (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
105.0	32.4											
111.5	30	29.7										
118.1	27.8	27.6	27.3									
124.6		25.7	25.4	24.8								
131.2		24.1	23.8	23.2	22.4							
137.8			22.3	21.7	21							
144.3				20.4	19.7	19.8	19.2					
150.9				19.2	18.5	18.5	18	17.7				
157.4					17.4	17.5	16.9	16.6	16.3			
164.0						16.5	15.9	15.6	15.3	14.7		
170.6						15.5	15	14.7	14.4	13.9	13.3	
177.1								13.1	12.8	12.3	11.7	10.1
183.7									12.1	11.6	11	9.7
190.2									11.4	10.9	10.4	9
196.8										10.3	9.8	8.4
203.4											9.2	7.9

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 145+44 lbs

Load capacities with 149 ft main boom 66°

Radius (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
111.5	29.1											
118.1	27	26.8										
124.6	25.2	25	24.6									
131.2		23.3	23	22.4								
137.8			21.5	21	20.7	20.3						
144.3			20.2	19.7	19.4	19	18.5					
150.9				18.5	18.2	17.9	17.3	16.9				
157.4					17.1	16.8	16.3	15.9	15.5			
164.0					16.1	15.8	15.3	15	14.6	13.9		
170.6						14.9	14.4	14.1	13.7	13.1	12.4	
177.1							13.6	13.3	12.9	12.4	11.7	10.8
190.2							12.8	12.5	12.2	11.7	11	10.1
196.8								11.8	11.5	11	10.4	9.5
203.4									10.9	10.3	9.8	8.8
209.9									10.3	9.8	9.2	8.1
216.5										9.2	8.7	7.7

Load capacities with 159 ft main boom 66°

Radius (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
118.1	28.5											
124.6	26.5	25.9										
131.2	24.7	24.1	23.7									
137.8	23.1	22.5	22.2	21.6								
144.3		21.1	20.8	20.2	19.9							
150.9			19.5	18.9	18.6	18.2	16.4					
157.4				17.8	17.5	17.1	15.5	15				
164.0				16.7	16.4	16.1	14.6	14.2	13.7			
170.6					15.5	15.1	13.7	13.4	12.9	12.2		
177.1						14.3	12.9	12.6	12.2	11.5	10.8	
183.7						13.5	12.2	11.9	11.5	10.9	10.1	9.4
190.2								11.2	10.9	10.3	9.6	8.8
196.8								10.6	10.3	9.7	9	8.3
203.4									9.7	9.2	8.5	7.9
209.9										8.6	8.1	

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

HOOK BLOCKS

Interchangeable lift configurations



BALL HOOK

Capacity 28,600 lbs

Whip-line and light-pick configuration.



1-SHEAVE HOOK BLOCK

Capacity 88,000 lbs

Single-sheave general-purpose hook.



3-SHEAVE HOOK BLOCK

Capacity 198,000 lbs

Mid-capacity hook block for routine picks.



5-SHEAVE HOOK BLOCK

Capacity 352,000 lbs

Maximum-capacity hook for full-rated lifts.

TRANSPORT PLAN & WEIGHTS

Reference load-out · weights per truck

Transport Items	Gross Weight		Number of Loads							
	Lbs	Kgs	#1	#2	#3	#4	#5	#6	#7	#8
Crane body with boom foot	99,980	45,350	1							
Track frame	42,240	19,160		1						
Track frame	42,240	19,160			1					
Base plate with self-assembly cylinder	22,572	10,240			1					
Rear counterweight A	12,034	5,460				1				
Rear counterweight A	12,034	5,460				1				
Rear counterweight A	12,034	5,460					1			
Rear counterweight A	12,034	5,460					1			
Rear counterweight A	12,034	5,460				1				
Rear counterweight A	12,034	5,460				1				
Rear counterweight A	12,034	5,460						1		
Rear counterweight A	12,034	5,460					1			
Rear counterweight A	12,034	5,460						1		
Rear counterweight A	12,034	5,460					1			
Carbody counterweight B	22,000	9,980							1	
Carbody counterweight B	22,000	9,980						1		
Main boom insert section, 10 ft	1,870	850							1	
Main boom insert section, 20 ft	2,970	1,350							1	
Main boom insert section, 30 ft	5,610	2,540							1	
Main boom insert section, 30 ft	5,610	2,540								1
Main boom head, 34.4 ft	8,580	3,890								1
Hook block, 3-sheave (88 ton cap.)	3,190	1,450							1	
Ball hook (14.3 ton cap.)	1,320	600								1
Auxiliary short jib	660	300								1
Fixed jib boom foot with strut	2,090	950								
Fixed jib insert section, 10 ft (w/ pendants)	550	250								
Fixed jib insert section, 20 ft (w/ pendants)	825	370								
Fixed jib boom head (w/ pendants)	990	450								

Shipping weight per load

#1 99,980 lbs 45,350 kg	#2 42,240 lbs 19,160 kg	#3 64,812 lbs 29,400 kg	#4 72,204 lbs 32,750 kg	#5 60,170 lbs 27,290 kg	#6 46,034 lbs 20,880 kg	#7 30,030 lbs 13,620 kg
#8 16,170 lbs 7,330 kg						

Weights and dimensions may vary from the values shown. With the exception of the crane body and the track frames, all truck loads are maximum 48,000 lbs (21,772 kg), 8.5 ft wide and 8.5 ft load height on a 48 ft flat-bed trailer. Local state-law variations may apply.

PVE AMERICAN

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