

PVE AMERICAN EC110-1



Electric Crawler Crane

ENGLISH

IMPERIAL

PRODUCT BROCHURE

Complies with ANSI / ASME B30.5

IMPRINT & DISCLAIMER

January 2026 edition

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Photographs and drawings in this brochure are for illustrative purposes only. The operator must always refer to the rating manual and the operator's manual to determine allowable lifting capacities, assembly procedures and operating limits.

Failure to follow the corresponding Operator's Manual when using this equipment, or failure to otherwise act responsibly, may result in property damage, serious injury or death.

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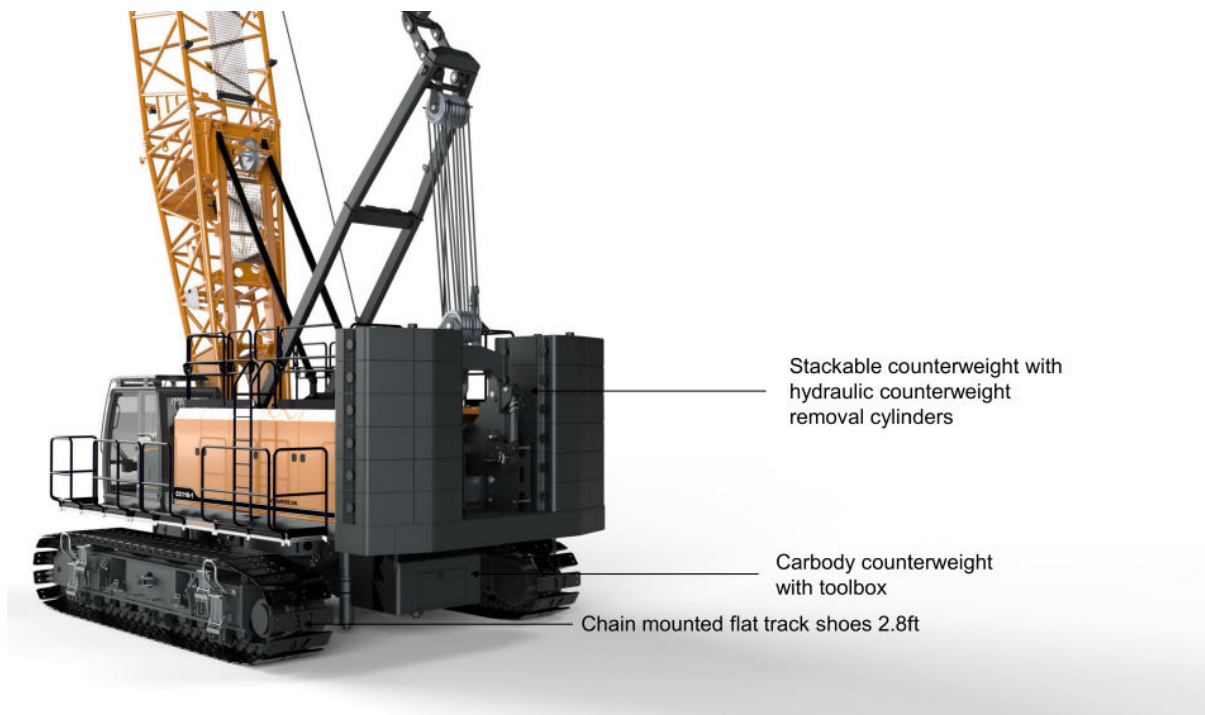
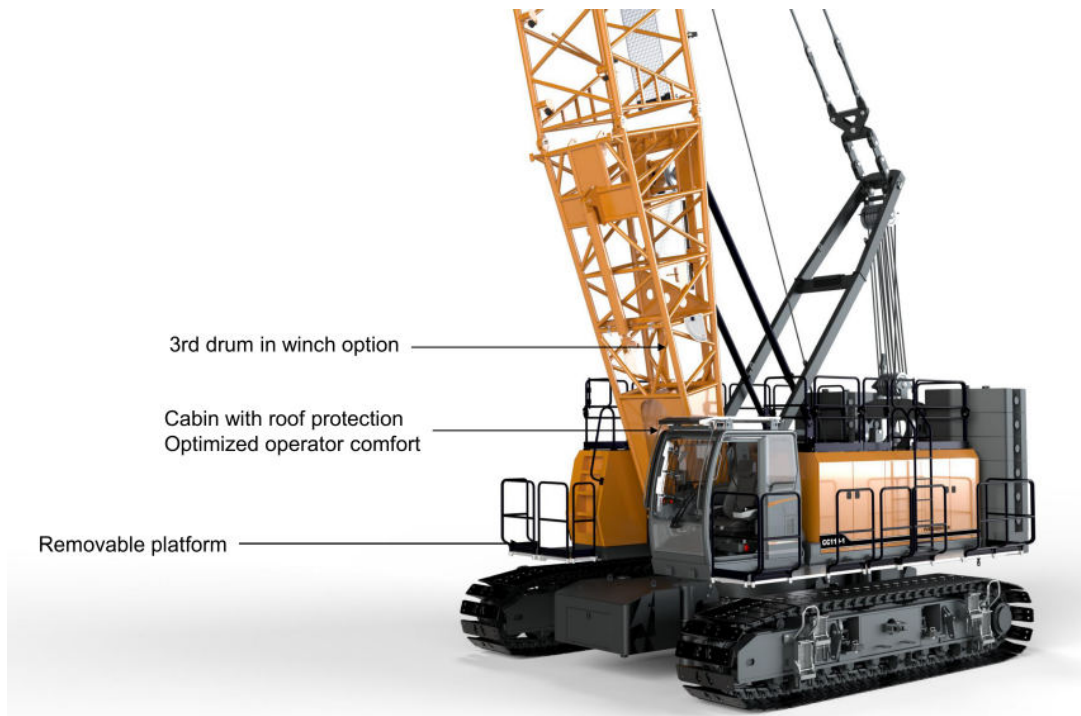
PVE AMERICAN

Everdenberg 17 · 4902 TT Oosterhout · The Netherlands

info@pve-american.com · www.pve-american.com

AT A GLANCE

STRONGER · SMARTER · SAFER



MAX. LIFTING CAPACITY

110 ton

MAX. MAIN BOOM

200 ft

MAX. LUFFING JIB

138 ft

DRIVE

Electric · 250 kW

BATTERY

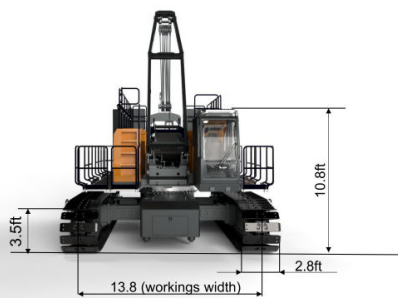
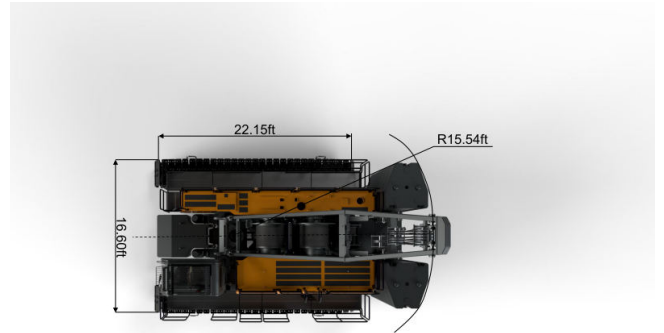
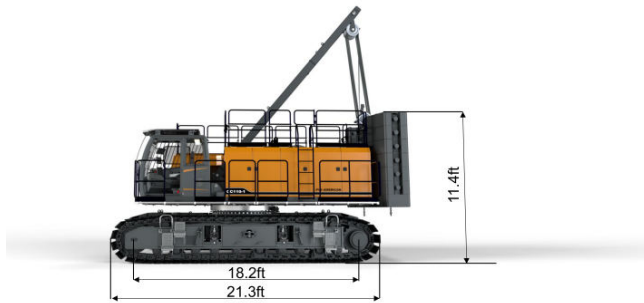
LFP · 160 kW DC charge

COMPLIANCE

ANSI/ASME B30.5

DIMENSIONS

Standard configuration · three orthographic views



Key dimensions

Length of tracks	22.14 ft
Width over tracks	13.78 ft
Track plate width	2.82 ft
Crane body length	39.4 ft
Weight, base crane	76,230 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	250 kW
Battery	LFP (lithium iron phosphate)
DC fast charging	Up to 160 kW
Onboard charging	44 or 88 kW
Mains operation	Tethered, continuous duty
Local emissions	Zero
Control	CAN-BUS / touch screen
Cameras	360° + winch + load
Track plates	Chain-mounted, flat shoes
Swing drive	Rexroth + roller bearing

Electric drive & battery

The crane is powered by a 250 kW electric motor drawing from an onboard LFP (lithium iron phosphate) battery pack, coupled to the Bosch Rexroth hydraulic pack that drives the winches, crawlers and swing. The battery charges from a DC fast charger at up to 160 kW, or onboard at 44 or 88 kW, and the crane can also run tethered to mains power for continuous duty. 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

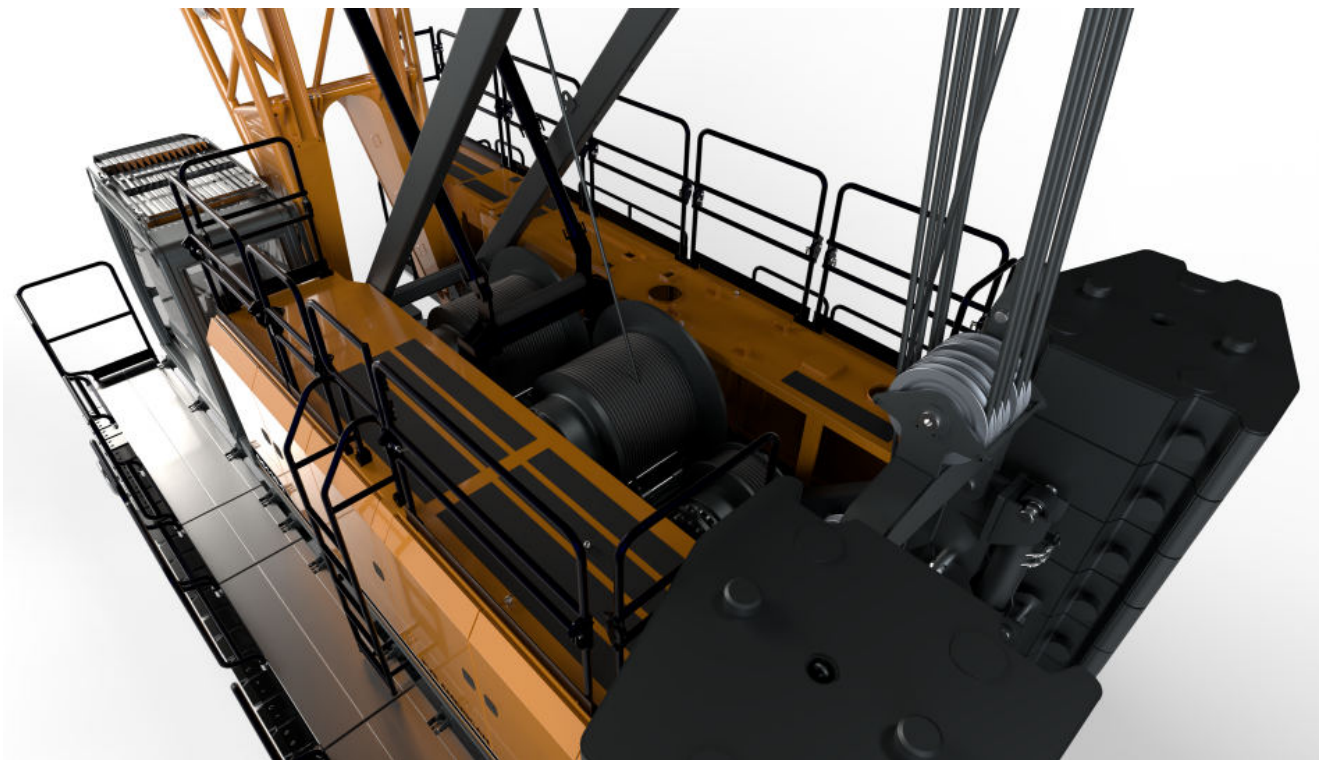
The winches are robustly built and engineered for high duty cycles. They use a low-maintenance multi-disc brake system as standard. An optional free-fall package is available on the main hoist drums for applications that require it.

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)

19,800 lbs

Wing weight × 10 pcs

5,280 lbs each

Total rear counterweight

72,600 lbs

Carbody — front mounted

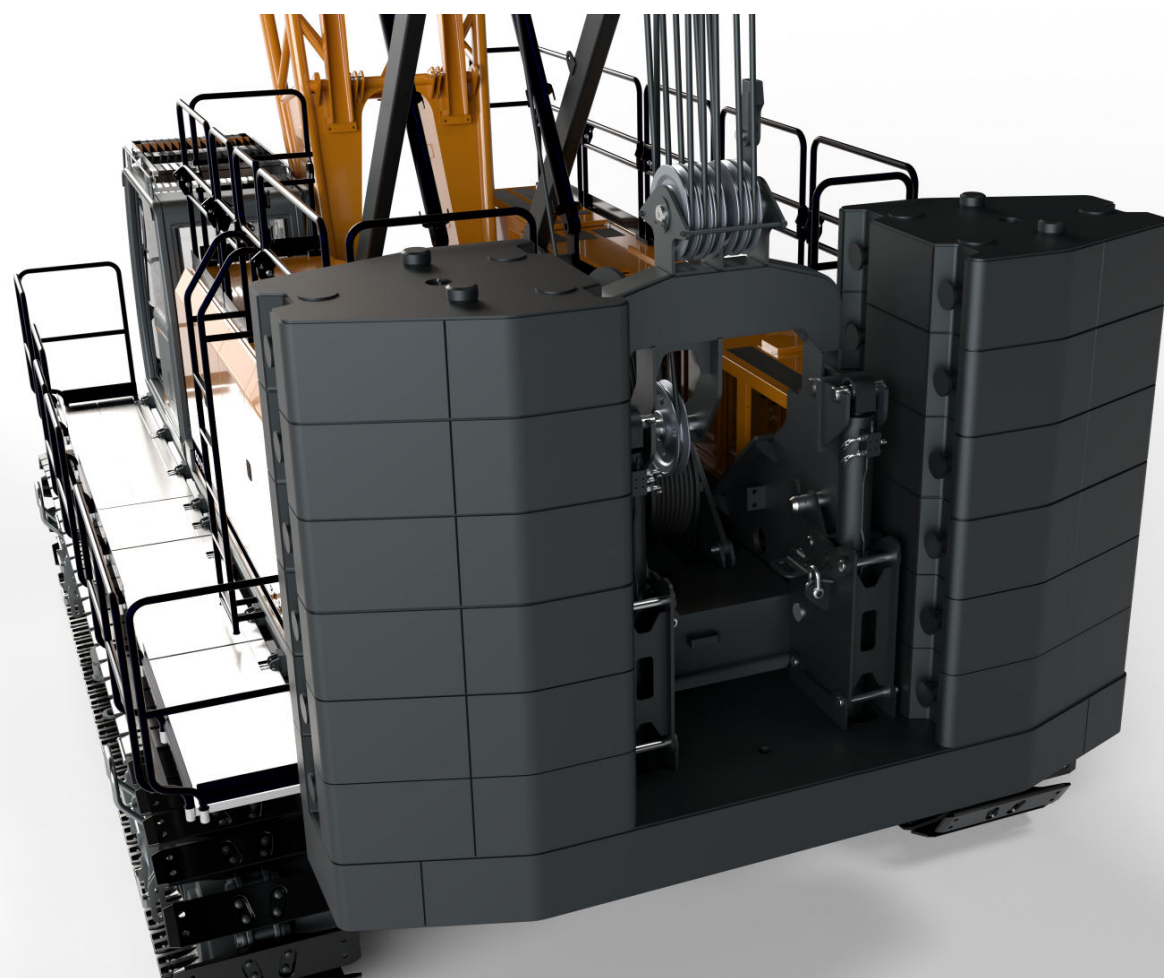
16,500 lbs

Carbody — rear mounted

16,500 lbs

Toolboxes (carbody)

Both · lockable



MAIN BOOM SYSTEM

43 – 200 ft · pinned lattice boom · live-mast luffing

The CC110-1 main boom is a pinned lattice system built from a 19.0 ft foot, a 23.6 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, with the luffing rig installed, the luffing jib pendants. Self-assembly is supported for the boom, tracks and counterweights.

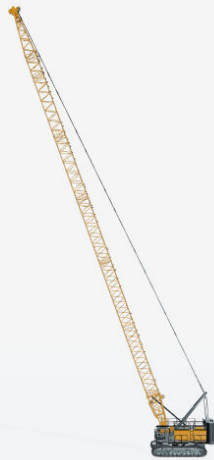
Main-boom sections

Main-boom range	43 – 200 ft
Boom foot	19.0 ft
Boom tip	23.6 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



MAIN BOOM

43 – 200 ft

Pinned lattice main boom — base configuration without a jib.



FIXED JIB

29 – 60 ft

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



LUFFING JIB

49 – 138 ft

Fully luffing jib for confined-radius work at height.



RUNNER

5 ft · whip-line

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

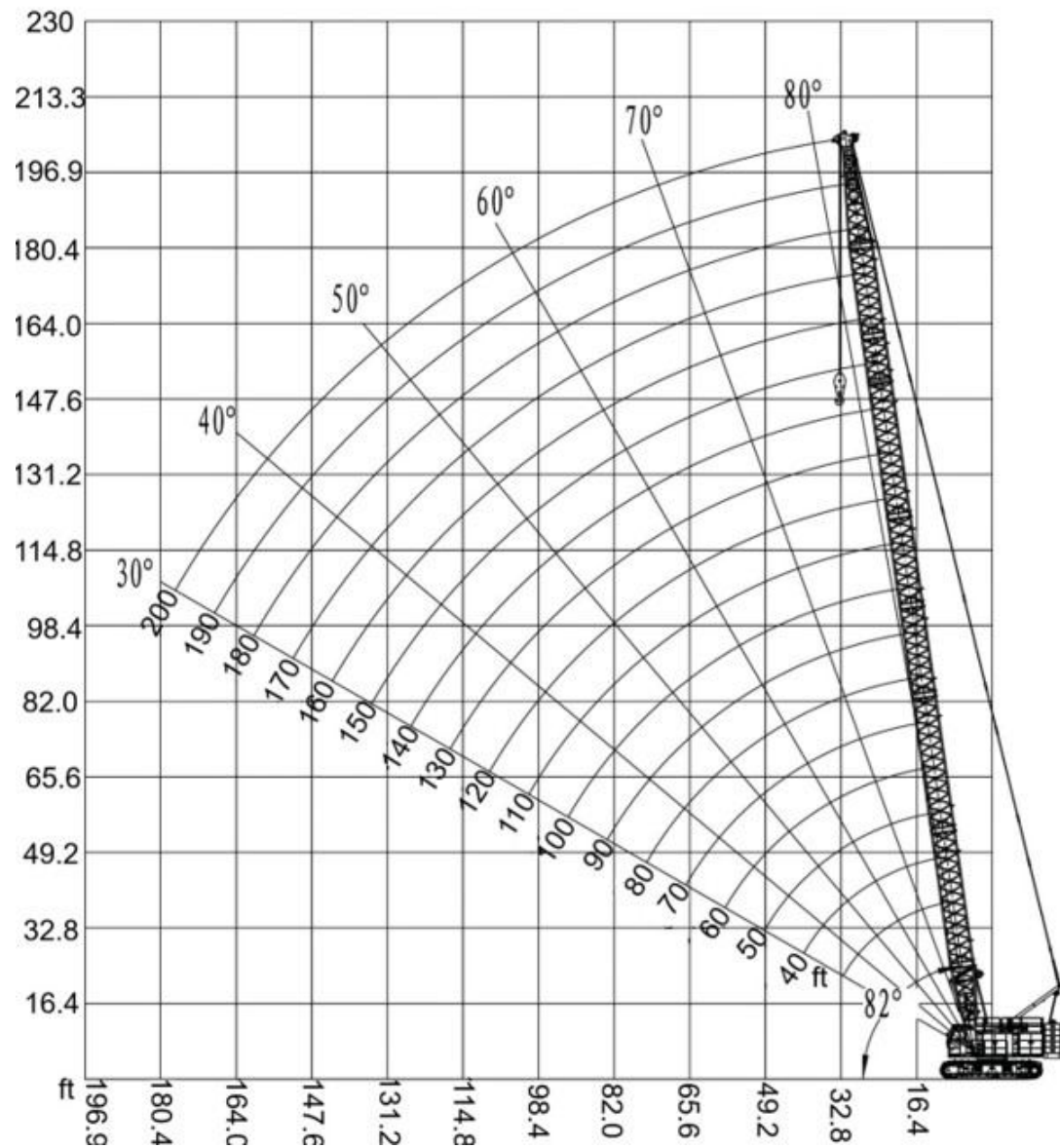
Actual lifting capacity depends on radius and counterweight. Consult the rating manual.

Boom + jib combinations

Main boom only	43 – 200 ft
Main boom + fixed jib	Main 43 – 200 ft · jib 29 – 60 ft
Main boom + luffing jib	Main 43 – 200 ft · jib 49 – 138 ft
Main boom + runner (whip)	Main 43 – 200 ft · runner 5 ft

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

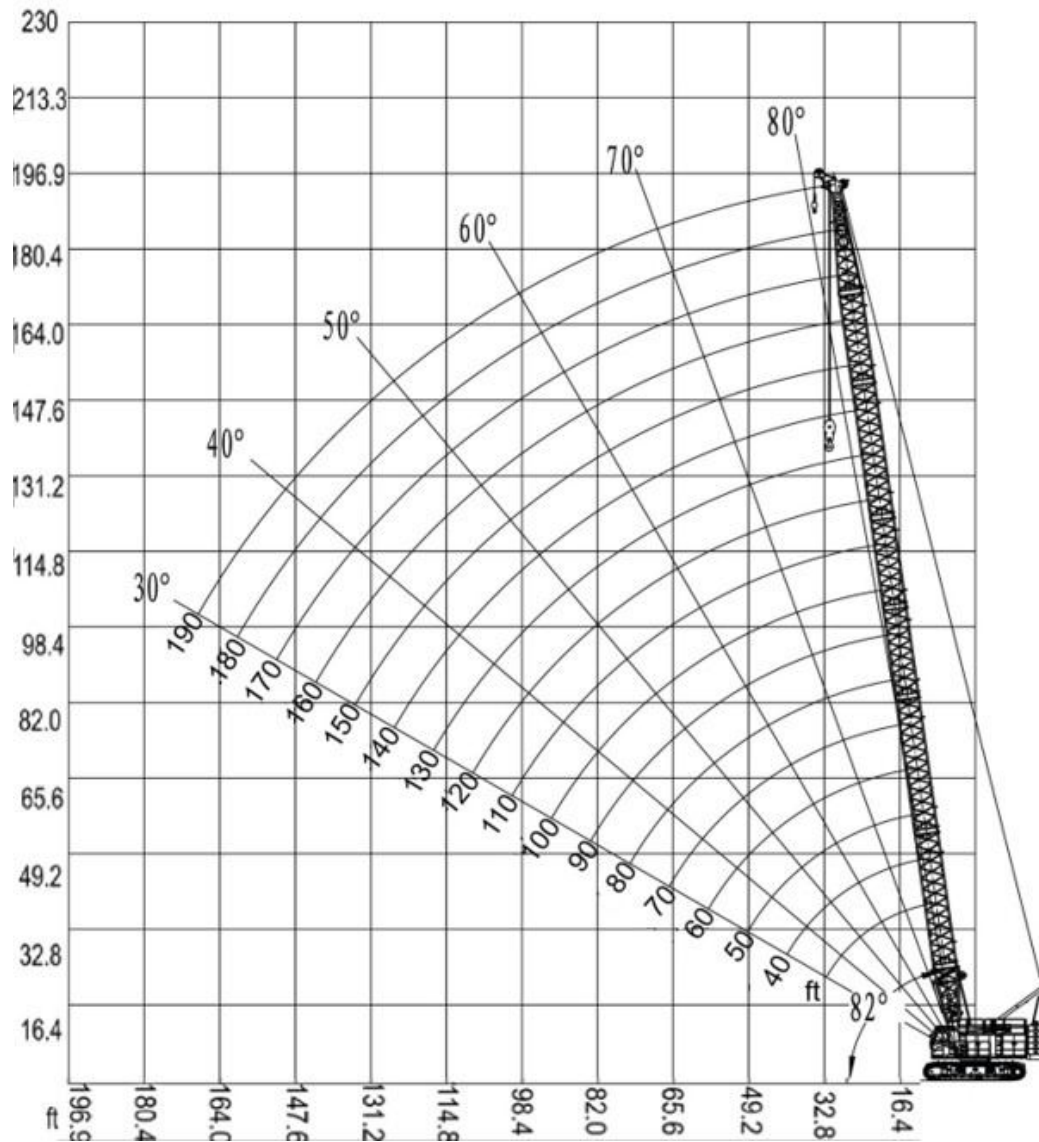
Lifting capacity (lbs × 1,000) by working radius

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

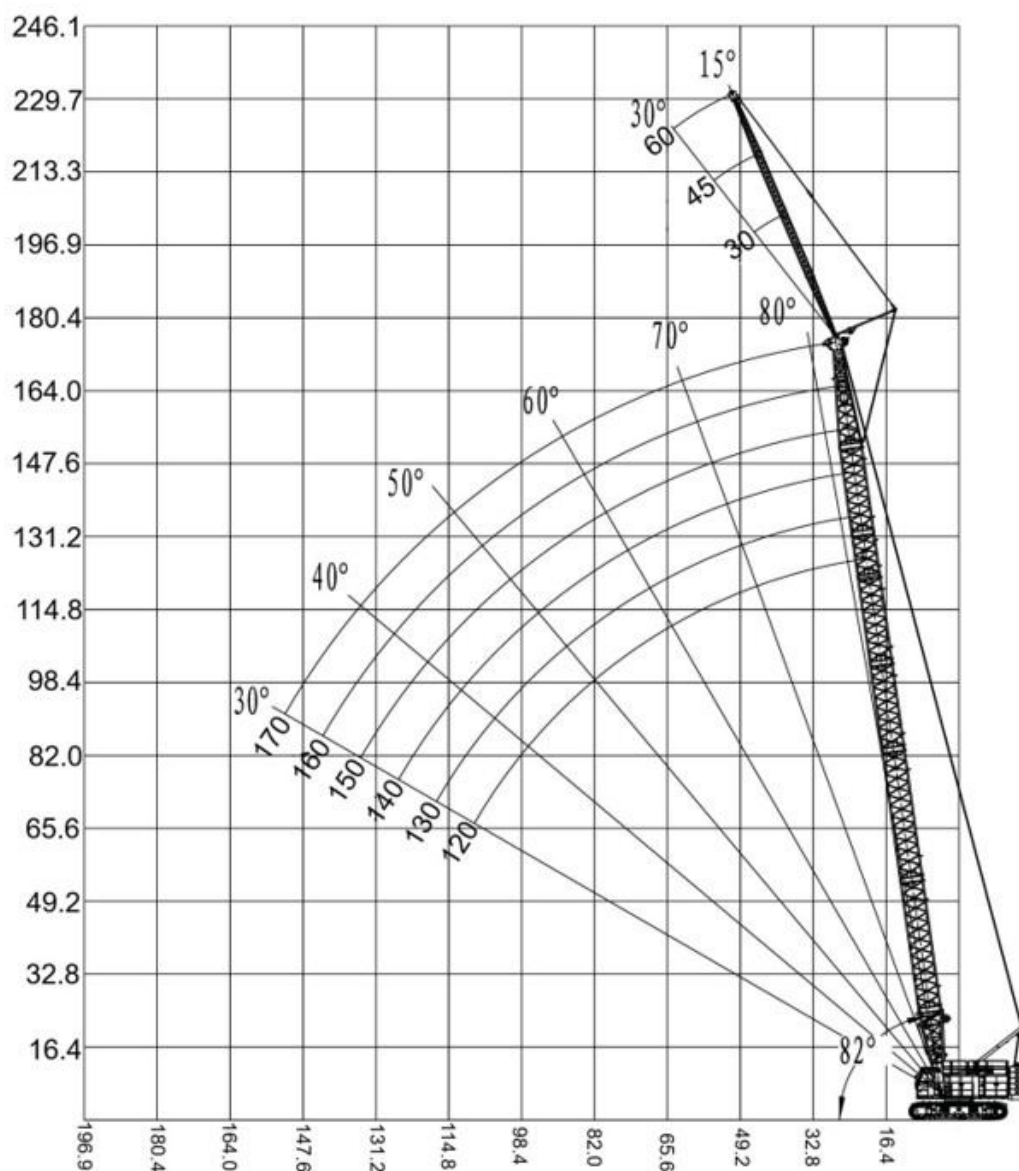
Lifting capacity (lbs × 1,000) by working radius

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

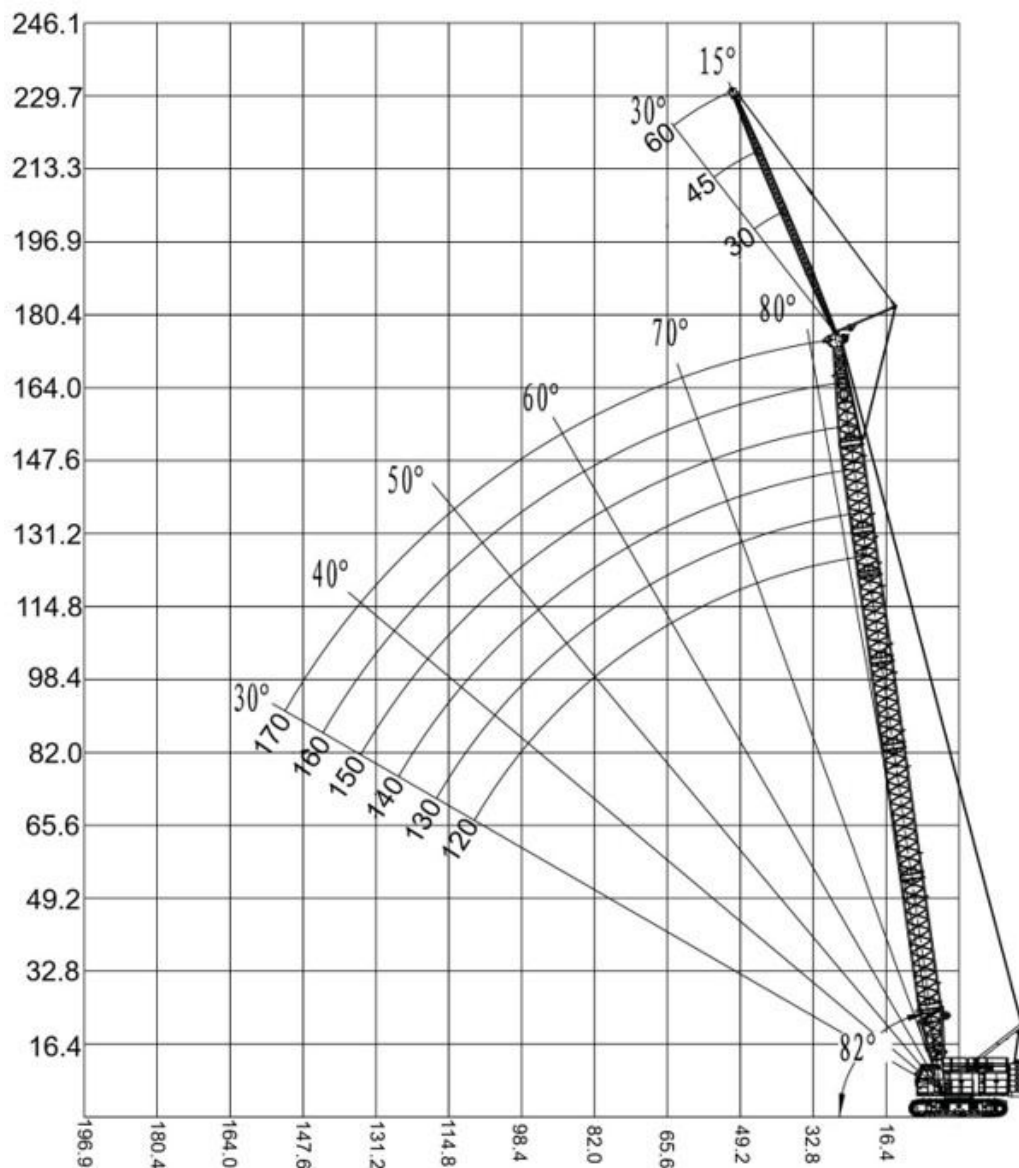
Load capacities with 171 ft main boom

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

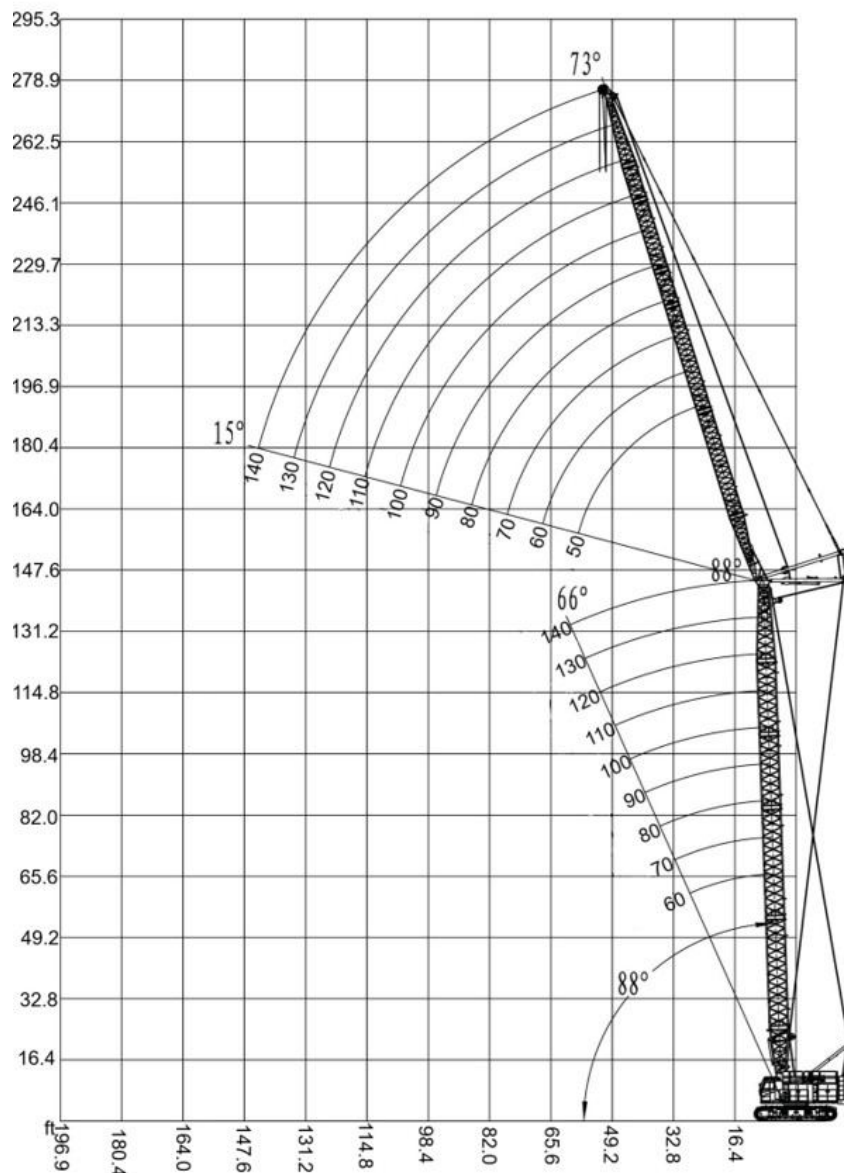
Load capacities with 171 ft main boom

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.

HOOK BLOCKS

Interchangeable lift configurations



BALL HOOK

Capacity 27,500 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 176,000 lbs

Mid-capacity hook block for routine picks.

TRANSPORT PLAN & WEIGHTS

Reference load-out · weights per truck

Transport Items	Gross Weight		Number of Loads				
	Lbs	Kgs	#1	#2	#3	#4	#5
Crane body with boom foot	76,230	34,580	1				
Track frame, left	24,200	10,980		1			
Track frame, right	24,200	10,980			1		
Base plate with self-assembly cylinder	19,800	8,980				1	
Wing counterweight A	5,280	2,390		1			
Wing counterweight A	5,280	2,390		1			
Wing counterweight A	5,280	2,390		1			
Wing counterweight A	5,280	2,390			1		
Center counterweight A	5,280	2,390			1		
Wing counterweight B	5,280	2,390			1		
Wing counterweight B	5,280	2,390				1	
Wing counterweight B	5,280	2,390				1	
Wing counterweight B	5,280	2,390				1	
Wing counterweight B	5,280	2,390				1	
Carbody counterweight A (front side)	16,500	7,480					1
Carbody counterweight B (rear side)	16,500	7,480					1
Main boom insert section, 10 ft	1,045	470				1	
Main boom insert section, 20 ft (×2)	1,980	900			1		
Main boom insert section, 30 ft (×2)	2,970	1,350				1	1
Main boom head	4,180	1,900					1
Hook block, 1-sheave (44 ton cap.)	1,210	550				1	
Ball hook (13.5 ton cap.)	770	350				1	
Auxiliary short jib	385	170				1	
Fixed jib boom foot with strut	1,430	650					
Fixed jib insert section, 15 ft (w/ pendants)	495	220					
Fixed jib insert section, 15 ft (w/ pendants)	495	220					
Fixed jib boom head (w/ pendants)	770	350					

Shipping weight per load

#1 76,230 lbs 34,580 kg	#2 40,260 lbs 18,260 kg	#3 44,220 lbs 20,060 kg	#4 47,300 lbs 21,450 kg	#5 35,970 lbs 16,320 kg
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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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CONTACT

PVE AMERICAN

Everdenberg 17 · 4902 TT Oosterhout · The Netherlands

info@pve-american.com

www.pve-american.com