

PVE AMERICAN EC100-1



Electric Crawler Crane

ENGLISH

IMPERIAL

PRODUCT BROCHURE

Complies with ANSI / ASME B30.5

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January 2026 edition

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AT A GLANCE

STRONGER · SMARTER · SAFER



MAX. LIFTING CAPACITY

100 ton

MAX. MAIN BOOM

190 ft

MAX. FIXED JIB

60 ft

DRIVE

Electric · 200 kW

BATTERY

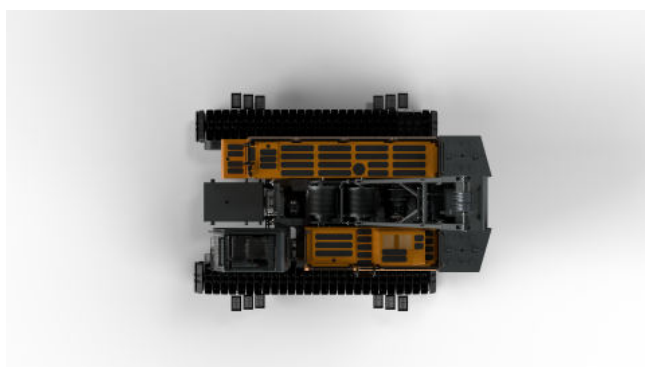
LFP · 160 kW DC charge

COMPLIANCE

ANSI/ASME B30.5

DIMENSIONS

Standard configuration · three orthographic views



Key dimensions

Length of tracks	22.1 ft
Width over tracks	13.78 ft
Track plate width	2.82 ft
Crane body length	42.0 ft
Weight, base crane	90,200 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	200 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 200 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

Line pull, 1st layer	29,762 lbs
Line pull, 5th layer	22,046 lbs
Rope diameter	0.87 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

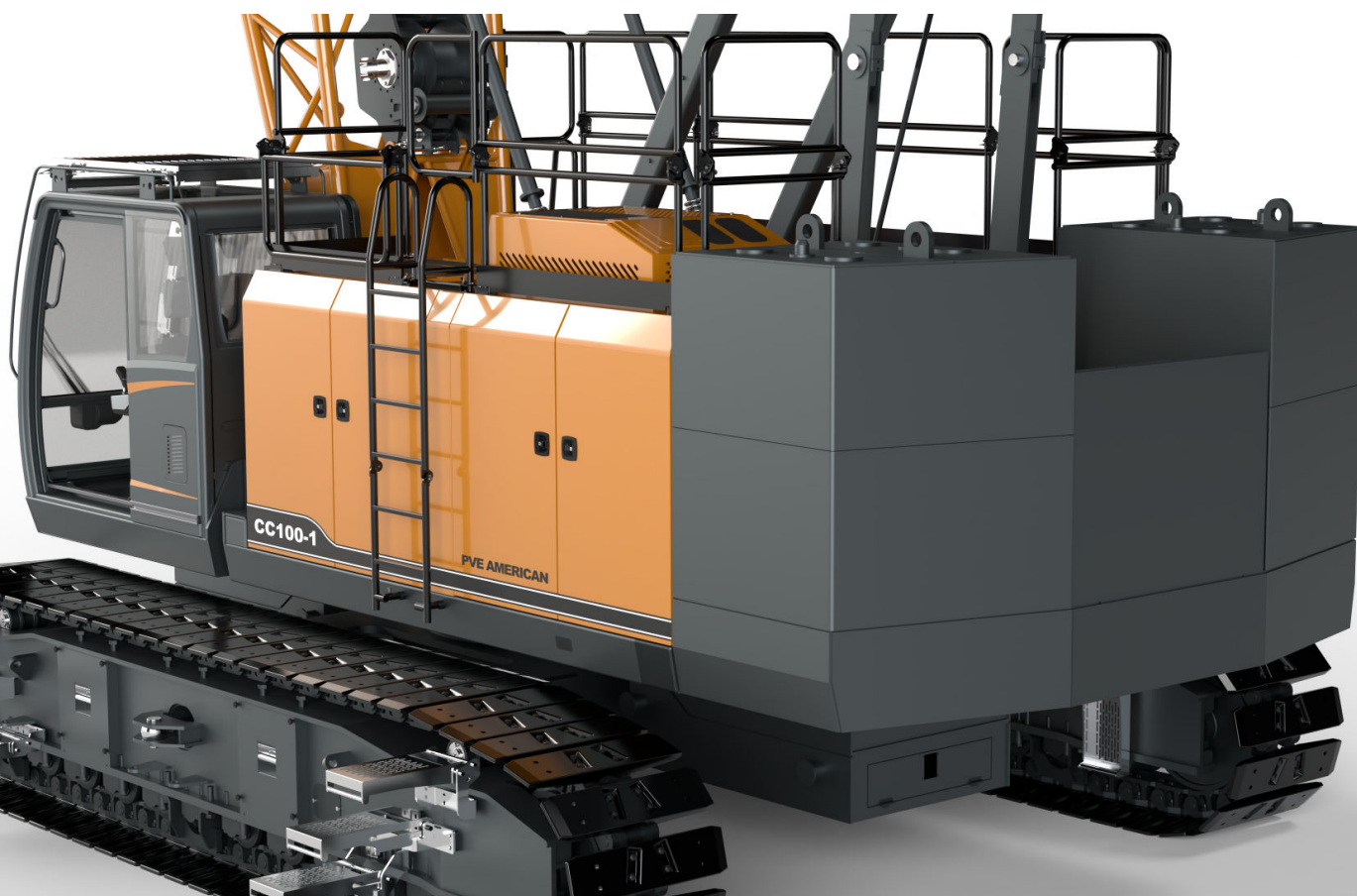
COUNTERWEIGHT SYSTEM

Self-erecting rear stack · integrated carbody weights

Counterweight package

Base plate (with cylinders)	20,900 lbs
Wing weight × 4 pcs	10,010 lbs each
Center weight × 1 pc	10,010 lbs
Total rear counterweight	70,950 lbs

Carbody — front mounted	11,000 lbs
Carbody — rear mounted	11,000 lbs
Toolboxes (carbody)	Both · lockable



MAIN BOOM SYSTEM

43 – 190 ft · pinned lattice boom · A-mast design

The CC100-1 main boom is a pinned lattice system built from a 20.6 ft foot, a 23.1 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.

Boom assembly

The A-mast supports the boom pendants and stays fixed during assembly. Self-assembly is supported for the boom, tracks and counterweights — no auxiliary crane is required for routine job-site rigging.

Main-boom sections

Main-boom range	43 – 190 ft
Boom foot	20.6 ft
Boom tip	23.1 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 – 190 ft

Pinned lattice main boom — base configuration without a jib.



FIXED JIB

30 – 60 ft

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



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 – 190 ft
Main boom + fixed jib	Main 43 – 190 ft · jib 30 – 60 ft
Main boom + runner (whip)	Main 43 – 190 ft · runner 5 ft

MAIN BOOM

Main boom 30°–82°, 43–190 ft | CW 67.3+22 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	
20 ft insert							1		1	1			1			1
30 ft insert				1	1	1	1	2	2	2	3	3	3	4	4	4
Boom head	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

MAIN BOOM — LOAD CAPACITIES

Main boom 30°–82°, 43–190 ft | CW 67.3+22 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
9.8	198															
13.1	163.9	162.8	148.1													
16.4	129.8	129.4	126.5	123.2	105.2											
19.7	100.1	99.9	99.7	99.4	99	91.3	77									
23.0	79.2	79	78.8	78.5	78.3	78.1	77.7	73.9	71.5							
26.2	70	69.5	69.3	69.1	68.9	68.6	68.4	68.2	67.3	62	60.1					
29.5	63.4	63.1	62.9	62.7	62.5	62.3	62	61.8	61.6	60.5	59.6	55.2	51.7			
32.8	56.3	56.1	55.9	55.7	55.4	55.2	54.8	54.6	54.3	54.1	53.9	53.7	51.3	44.4	40	
36.1	49.7	49.5	49.3	49.1	48.8	48.6	48.4	48	47.7	47.5	47.3	47.1	46.6	44	39.8	34.3
39.4	44.7	44.2	44	43.8	43.6	43.3	43.1	42.7	42.5	42.2	42	41.8	41.4	41.1	37.8	34.1
42.6	42.7	40	39.8	39.4	39.2	38.9	38.7	38.5	38.3	37.8	37.6	37.4	37.2	36.7	36.1	32.6
45.9		36.5	36.3	35.9	35.6	35.4	35.2	35	34.5	34.3	34.1	33.9	33.4	33.2	33	31
49.2		33.4	33.2	32.8	32.6	32.3	32.1	31.9	31.5	31.2	31	30.8	30.4	30.1	29.9	29.7
52.5			30.6	30.4	30.1	29.7	29.5	29.3	29	28.6	28.4	28.2	27.7	27.5	27.3	27.1
59.0			27.1	26	25.7	25.5	25.3	25.1	24.6	24.4	24.2	23.8	23.5	23.3	22.9	22.7
65.6				22.7	22.4	22.2	22	21.8	21.3	21.1	20.9	20.5	20.2	20	19.6	19.4
72.2				22.4	19.8	19.6	19.4	19.1	18.7	18.5	18.3	17.8	17.6	17.4	16.9	16.7
78.7					18.9	17.4	17.2	16.9	16.7	16.3	16.1	15.8	15.4	15.2	14.7	14.5
85.3						16.3	15.4	15.2	14.7	14.5	14.3	14.1	13.6	13.4	13	12.8
91.8							13.9	13.6	13.2	13	12.8	12.3	12.1	11.9	11.4	11.2
98.4								12.3	11.9	11.7	11.4	11	10.8	10.6	10.1	9.9
105.0								11.9	10.8	10.6	10.1	9.9	9.7	9.2	9	8.8
111.5									9.7	9.5	9	8.8	8.6	8.4	7.9	7.7
118.1										8.4	8.1	7.9	7.7	7.5	7	6.8
124.6											7.3	7.3	6.8	6.6	6.4	5.9
131.2												6.6	6.4	6.2	5.5	5.3
137.8													5.9	5.5	5.3	4.8
144.3														5.1	4.6	4.4

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

RUNNER

Main boom + runner | CW 67.3+22 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
Boom foot	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
10 ft insert		1	1			1						1			1
20 ft insert							1		1	1			1		
30 ft insert				1	1	1	1	2	2	2	3	3	3	4	4
Boom head	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

RUNNER — LOAD CAPACITIES

Main boom + runner | CW 67.3+22 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
13.1	15.4														
16.4	15.4	15.4	15.4												
19.7	15.4	15.4	15.4	15.4	15.4										
23.0	15.4	15.4	15.4	15.4	15.4	15.4	15.4								
26.2	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4						
29.5	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4				
32.8	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4		
36.1	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4
39.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4
42.6	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4
45.9	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4
49.2		15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4
52.5		15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4
59.0			15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4
65.6			15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4
72.2				15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4
78.7					15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.2	14.7
85.3						15.4	15.2	15	14.7	14.5	14.1	13.9	13.6	13.2	13
91.8						15.2	13.6	13.4	13.2	13	12.5	12.3	12.1	11.7	11.4
98.4							13	12.1	11.9	11.7	11.2	11	10.8	10.6	10.1
105.0								11.2	10.8	10.3	10.1	9.9	9.7	9.2	9
111.5									9.7	9.5	9.2	8.8	8.6	8.4	7.9
118.1									9.7	8.6	8.4	7.9	7.7	7.5	7
124.6										8.1	7.5	7.3	6.8	6.6	6.4
131.2											7	6.6	6.2	5.9	5.7
144.3												5.9	5.1	4.8	4.4
157.4													4.8	4	3.5
170.6															3.1

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 67.3+22 klbs



Boom configuration

Section	80 ft	90 ft	100 ft	110 ft	120 ft	130 ft	140 ft	150 ft
Boom foot	1	1	1	1	1	1	1	1
10 ft insert		1						1
20 ft insert			1		1	1		
30 ft insert	1	1	1	2	2	2	3	3
Boom head	1	1	1	1	1	1	1	1

FIXED JIB 15° — LOAD CAPACITIES

Main boom + fixed jib at 15° | CW 67.3+22 klbs

Load capacities with 82 ft main boom

Radius (ft)	30 ft	44 ft	59 ft
32.8	15.4		
36.1	15.4		
39.4	15.4	15.4	
42.6	15.4	15.4	
45.9	15.4	15.4	10.8
49.2	15.4	15.4	10.8
52.5	15.4	15.4	10.6
59.0	15.4	15.4	10.3
65.6	15.4	15.4	10.1
72.2	15.4	15.4	10.1
78.7	15.4	15.4	9.9
85.3	14.7	15.2	9.9
91.8	13.2	13.6	9.7
98.4	11.9	12.3	9.5
105.0		11.2	9
111.5		10.1	8.6
118.1		9.2	7.7
124.6			7.3
131.2			6.6

Load capacities with 92 ft main boom

Radius (ft)	30 ft	44 ft	59 ft
32.8	15.4		
36.1	15.4		
39.4	15.4	15.4	
42.6	15.4	15.4	
45.9	15.4	15.4	10.8
49.2	15.4	15.4	10.8
52.5	15.4	15.4	10.6
59.0	15.4	15.4	10.6
65.6	15.4	15.4	10.3
72.2	15.4	15.4	10.1
78.7	15.4	15.4	10.1
85.3	14.5	15	9.9
91.8	13	13.4	9.9
98.4	11.7	12.1	9.7
105.0	10.6	11	9
111.5	9.5	9.9	8.1
118.1		9	7.5
124.6		8.1	7
131.2			6.4
137.8			5.9

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 67.3+22 klbs

Load capacities with 102 ft main boom

Radius (ft)	30 ft	44 ft	59 ft
36.1	15.4		
39.4	15.4		
42.6	15.4	15.4	
45.9	15.4	15.4	
49.2	15.4	15.4	10.8
52.5	15.4	15.4	10.8
59.0	15.4	15.4	10.6
65.6	15.4	15.4	10.3
72.2	15.4	15.4	10.3
78.7	15.4	15.4	10.1
85.3	14.1	14.5	9.9
91.8	12.5	13	9.9
98.4	11.2	11.7	9.5
105.0	10.1	10.6	8.6
111.5	9.2	9.5	7.9
118.1	8.4	8.6	7.3
124.6		7.9	6.6
131.2		7.3	6.2
137.8			5.5
144.3			5.1

Load capacities with 112 ft main boom

Radius (ft)	30 ft	44 ft	59 ft
36.1	15.4		
39.4	15.4		
42.6	15.4	15.4	
45.9	15.4	15.4	
49.2	15.4	15.4	10.8
52.5	15.4	15.4	10.8
59.0	15.4	15.4	10.6
65.6	15.4	15.4	10.6
72.2	15.4	15.4	10.3
78.7	15.4	15.4	10.1
85.3	13.9	14.3	10.1
91.8	12.3	12.8	9.9
98.4	11	11.4	9.2
105.0	9.9	10.3	8.4
111.5	8.8	9.2	7.7
118.1	7.9	8.4	7
124.6	7.3	7.5	6.4
131.2		6.8	5.7
137.8		6.2	5.3
144.3		5.5	4.8
157.4			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 67.3+22 klbs

Load capacities with 121 ft main boom

Radius (ft)	30 ft	44 ft	59 ft
39.4	15.4		
42.6	15.4		
45.9	15.4	15.4	
49.2	15.4	15.4	
52.5	15.4	15.4	10.8
59.0	15.4	15.4	10.6
65.6	15.4	15.4	10.6
72.2	15.4	15.4	10.3
78.7	15.4	15.4	10.3
85.3	13.4	14.1	10.1
91.8	11.9	12.5	9.9
98.4	10.6	11.2	9
105.0	9.5	9.9	8.1
111.5	8.6	9	7.5
118.1	7.7	8.1	6.8
124.6	6.8	7.3	6.2
131.2	6.2	6.6	5.5
137.8	5.5	5.9	5.1
144.3		5.3	4.6
157.4			3.7

Load capacities with 131 ft main boom

Radius (ft)	30 ft	44 ft	59 ft
42.6	15.4		
45.9	15.4	15.4	
49.2	15.4	15.4	
52.5	15.4	15.4	10.8
59.0	15.4	15.4	10.8
65.6	15.4	15.4	10.6
72.2	15.4	15.4	10.3
78.7	15	15.4	10.3
85.3	13.2	13.6	10.1
91.8	11.7	12.1	9.9
98.4	10.3	10.8	8.8
105.0	9.2	9.7	7.9
111.5	8.1	8.6	7
118.1	7.3	7.7	6.4
124.6	6.4	6.8	5.9
131.2	5.7	6.2	5.3
137.8	5.1	5.5	4.8
144.3	4.6	5.1	4.4
157.4		4	3.5
170.6			2.9

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 67.3+22 klbs

Load capacities with 141 ft main boom

Radius (ft)	30 ft	44 ft	59 ft
42.6	15.4		
45.9	15.4		
49.2	15.4	15.4	
52.5	15.4	15.4	
59.0	15.4	15.4	10.8
65.6	15.4	15.4	10.6
72.2	15.4	15.4	10.6
78.7	14.7	15.2	10.3
85.3	12.8	13.4	10.3
91.8	11.2	11.9	9.7
98.4	9.9	10.6	8.6
105.0	8.8	9.2	7.7
111.5	7.9	8.4	6.8
118.1	7	7.5	6.2
124.6	6.2	6.6	5.5
131.2	5.5	5.9	5.1
137.8	4.8	5.3	4.6
144.3	4.2	4.6	4.2
157.4		3.7	3.3
170.6			2.6

Load capacities with 151 ft main boom

Radius (ft)	30 ft	44 ft	59 ft
45.9	15.4		
49.2	15.4	15.4	
52.5	15.4	15.4	
59.0	15.4	15.4	10.8
65.6	15.4	15.4	10.6
72.2	15.4	15.4	10.3
78.7	14.3	15	10.3
85.3	12.5	13	10.3
91.8	11	11.4	9.2
98.4	9.7	10.1	8.4
105.0	8.6	9	7.5
111.5	7.5	7.9	6.6
118.1	6.6	7	5.9
124.6	5.9	6.4	5.3
131.2	5.1	5.5	4.8
137.8	4.4	5.1	4.2
144.3	4	4.4	3.7
157.4	2.9	3.3	3.1
170.6		2.2	2.4

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 67.3+22 klbs



Boom configuration

Section	80 ft	90 ft	100 ft	110 ft	120 ft	130 ft	140 ft	150 ft
Boom foot	1	1	1	1	1	1	1	1
10 ft insert		1						1
20 ft insert			1		1	1		
30 ft insert	1	1	1	2	2	2	3	3
Boom head	1	1	1	1	1	1	1	1

FIXED JIB 30° — LOAD CAPACITIES

Main boom + fixed jib at 30° | CW 67.3+22 klbs

Load capacities with 82 ft main boom

Radius (ft)	30 ft	44 ft	59 ft
39.4	15.4		
42.6	15.4		
45.9	15.4		
49.2	15.4	15.4	
52.5	15.4	15.4	
59.0	15.4	15.4	10.6
65.6	15.4	15.4	10.1
72.2	15.4	15.4	9.9
78.7	15.4	15.4	9.5
85.3	15	15.4	9.2
91.8	13.4	13.9	9
98.4	12.1	12.5	8.8
105.0	10.8	11.4	8.6
111.5		10.3	8.4
118.1		9.5	7.7
124.6			7
131.2			6.6

Load capacities with 92 ft main boom

Radius (ft)	30 ft	44 ft	59 ft
39.4	15.4		
42.6	15.4		
45.9	15.4		
49.2	15.4	15.4	
52.5	15.4	15.4	
59.0	15.4	15.4	10.8
65.6	15.4	15.4	10.3
72.2	15.4	15.4	9.9
78.7	15.4	15.4	9.7
85.3	14.7	15.4	9.5
91.8	13.2	13.6	9
98.4	11.9	12.3	8.8
105.0	10.6	11.2	8.8
111.5	9.5	10.1	8.1
118.1		9.2	7.5
124.6		8.4	6.8
131.2			6.4
137.8			5.9

Load capacities with 102 ft main boom

Radius (ft)	30 ft	44 ft	59 ft
42.6	15.4		
45.9	15.4		
49.2	15.4		
52.5	15.4	15.4	
59.0	15.4	15.4	
65.6	15.4	15.4	10.6
72.2	15.4	15.4	10.1
78.7	15.4	15.4	9.9
85.3	14.3	15	9.5
91.8	12.8	13.4	9.2
98.4	11.4	12.1	9
105.0	10.3	10.8	8.6
111.5	9.2	9.9	7.9
118.1	8.4	8.8	7.3
124.6		7.9	6.6
131.2		7.3	6.2
137.8			5.7
144.3			5.3

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 67.3+22 klbs

Load capacities with 112 ft main boom

Radius (ft)	30 ft	44 ft	59 ft
42.6	15.4		
45.9	15.4		
49.2	15.4		
52.5	15.4	15.4	
59.0	15.4	15.4	
65.6	15.4	15.4	10.6
72.2	15.4	15.4	10.3
78.7	15.4	15.4	9.9
85.3	14.1	14.7	9.7
91.8	12.5	13.2	9.5
98.4	11.2	11.9	9.2
105.0	10.1	10.6	8.6
111.5	9	9.5	7.7
118.1	8.1	8.6	7
124.6	7.3	7.7	6.6
131.2		7	5.9
137.8		6.4	5.5
144.3		5.7	5.1
157.4			4.2

Load capacities with 121 ft main boom

Radius (ft)	30 ft	44 ft	59 ft
45.9	15.4		
49.2	15.4		
52.5	15.4		
59.0	15.4	15.4	
65.6	15.4	15.4	10.6
72.2	15.4	15.4	10.3
78.7	15.4	15.4	10.1
85.3	13.9	14.5	9.9
91.8	12.3	13	9.5
98.4	11	11.4	9
105.0	9.7	10.3	8.4
111.5	8.8	9.2	7.5
118.1	7.7	8.4	6.8
124.6	7	7.5	6.4
131.2	6.2	6.8	6.2
137.8	5.5	6.2	5.3
144.3		5.5	4.8
157.4			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 67.3+22 klbs

Load capacities with 131 ft main boom

Radius (ft)	30 ft	44 ft	59 ft
45.9	15.4		
49.2	15.4		
52.5	15.4		
59.0	15.4	15.4	
65.6	15.4	15.4	10.8
72.2	15.4	15.4	10.6
78.7	15.4	15.4	10.1
85.3	13.4	14.3	9.9
91.8	11.9	12.5	9.7
98.4	10.6	11.2	8.8
105.0	9.5	10.1	8.1
111.5	8.4	9	7.3
118.1	7.5	8.1	6.6
124.6	6.6	7.3	6.2
131.2	5.9	6.4	5.5
137.8	5.3	5.7	5.1
144.3	4.6	5.1	4.6
157.4		4	3.7
170.6			3.1

Load capacities with 141 ft main boom

Radius (ft)	30 ft	44 ft	59 ft
49.2	15.4		
52.5	15.4		
59.0	15.4	15.4	
65.6	15.4	15.4	
72.2	15.4	15.4	10.6
78.7	15.2	15.4	10.3
85.3	13.2	14.1	10.1
91.8	11.7	12.3	9.7
98.4	10.3	11	8.6
105.0	9	9.7	7.9
111.5	8.1	8.8	7
118.1	7.3	7.7	6.4
124.6	6.4	7	5.9
131.2	5.7	6.2	5.3
137.8	5.1	5.5	4.8
144.3	4.4	4.8	4.4
157.4		3.7	3.7
170.6		2.9	2.9

Load capacities with 151 ft main boom

Radius (ft)	30 ft	44 ft	59 ft
52.5	15.4		
59.0	15.4	15.4	
65.6	15.4	15.4	
72.2	15.4	15.4	10.6
78.7	14.7	15.4	10.3
85.3	13	13.6	10.1
91.8	11.4	12.1	9.5
98.4	10.1	10.8	8.6
105.0	8.8	9.5	7.7
111.5	7.7	8.4	6.8
118.1	6.8	7.5	6.2
124.6	6.2	6.6	5.7
131.2	5.3	5.9	5.1
137.8	4.6	5.3	4.6
144.3	4	4.6	4.2
157.4	3.1	3.5	3.5
170.6		2.6	2.6

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
Crane body with boom foot and track frames (×2)	90,200	40,910	1			
Base plate with self-assembly cylinder	20,900	9,480		1		
Wing counterweight A	10,010	4,540		1		
Wing counterweight A	10,010	4,540		1		
Wing counterweight B	10,010	4,540			1	
Wing counterweight B	10,010	4,540			1	
Center counterweight C	10,010	4,540			1	
Carbody counterweight A (front side)	11,000	4,990			1	
Carbody counterweight B (rear side)	11,000	4,990				1
Main boom insert section, 10 ft	891	400				1
Main boom insert section, 20 ft	1,661	750				1
Main boom insert section, 30 ft	2,343	1,060			1	
Main boom insert section, 30 ft	2,343	1,060				1
Main boom head	2,574	1,170				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	1,089	490				
Fixed jib insert section, 15 ft (w/ pendants)	385	170				
Fixed jib insert section, 15 ft (w/ pendants)	385	170				
Fixed jib boom head (w/ pendants)	649	290				

Shipping weight per load

#1 90,200 lbs 40,910 kg	#2 40,920 lbs 18,560 kg	#3 43,373 lbs 19,670 kg	#4 18,260 lbs 8,280 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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