

PVE AMERICAN

CC110-1

110 ton (100 mt) lattice boom crawler crane



Complies with ANSI/ASME B30.5

PVE AMERICAN

January 2026.

Unless otherwise specified, all information in this brochure refers to as standard crane equipment, and it is intended as general information only.

No liability is assumed. Errors reserved.

Product specifications and prices are subject to changes without notice.

The photographs and/or drawings in this brochure are for illustrative purposes only.

Operator must refer to Crane rating manuals and operator manuals to determine allowable crane lifting capacities, assembly and operating procedures.

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

The sole warranty applicable with respect to our equipment is the standard warranty as per general terms and conditions of sales and service (ask your PVE AMERICAN dealer for details), and PVE AMERICAN makes no other warranty, express or implied. All rights reserved.

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Hydraulic system

Bosch Rexroth hydraulic main pump and motors to power all winches installed, crawlers and built with a swing motor. All movements can be done at the same time. All hydraulic filters have electronic sensors which will be displayed in the operator cabin touch screen.

Max working pressure 5076 psi (350 bar)

Crawlers

Powered by Rexroth drive motor and planetary gear reduction unit, electronically controlled for precise movement. Elastomer chain tensioner. The track plates are mounted on a chain drive.

Turntable gear

Consists of roller bearing with inner teeth, powered by Rexroth swing motor. Accurate swing speed control, free swing and mechanical swing lock.

Operator Cabin

The air suspended operator seat with integrated joysticks gives the operator maximum comfort. The joysticks are electric-hydraulic controls that gives the operator very precise performance.



Winches

The winches are strong in design with powerful performance. The optional free-fall system is low maintenance multi-disc brake system.

Main winch capacity

| | | |
|---------------------------------|-------------|---------|
| Line pull 1 st layer | Capacity | 20.0t |
| Line pull 5 th layer | Capacity | 15,0t |
| Winch speed | in ft / min | 0 - 394 |

Optional winches

| | | |
|------------------------------------|----------|-------|
| 3 rd winch in boom foot | Capacity | 5,5 t |
|------------------------------------|----------|-------|

Crane control system

The control of the crane is via CAN-BUS with the PVE developed software and functionality system. Via a touch screen the operator can oversee all functions and alerts. The Safe Load System is integrated in the touch screen. A 360 degree view camera, including winch camera and load camera ensure maximum safety will working.

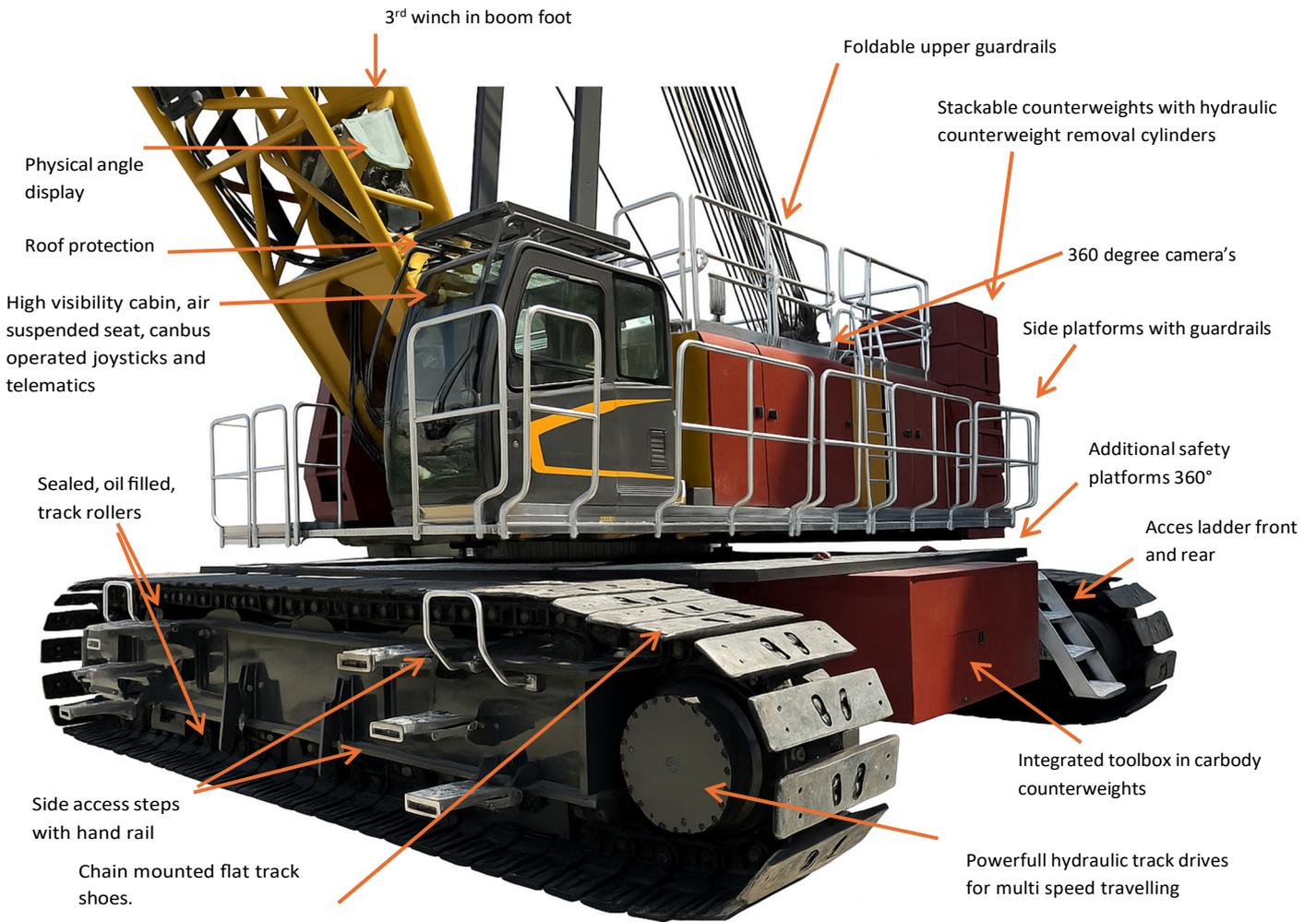
CRANEINFO is a data storage system to ensure maximum data availability for service and factory support.



Standard Features

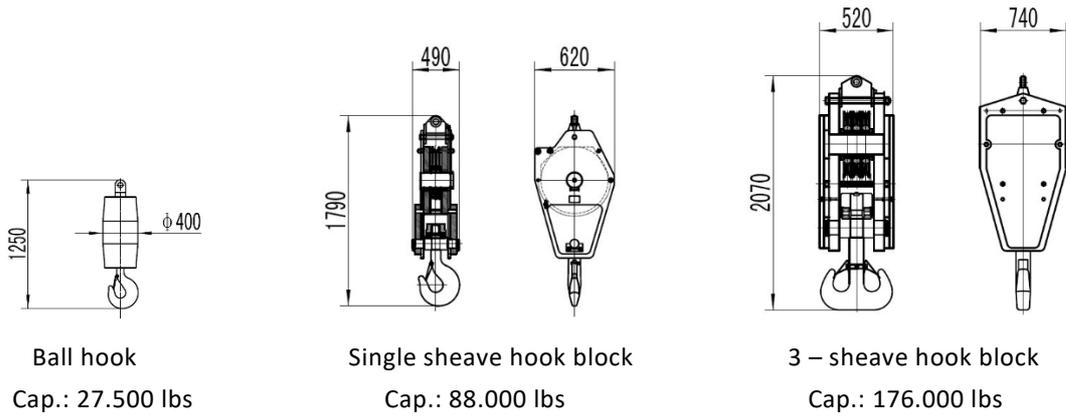
Heavy duty design with 355 HP (261 kW) Cummins L9 diesel engine.

The new generation **PVE AMERICAN CC110-1** stands out with innovative designs and modern safety systems, improving operational safety, easy controls and optimum performance.



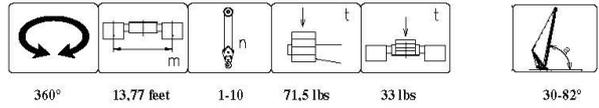
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HOOK BLOCKS



LOAD CHART MAIN BOOM

Boom type: 1515.01



lbsx1000

| Boom length feet | 42,64 | 52,48 | 62,32 | 72,16 | 82 | 91,84 | 101,68 | 111,52 | 121,36 | 131,2 | 141,04 | 150,88 | 160,72 | 170,56 | 180,4 | 190,24 | 200,08 |
|------------------|-------|-------|--------|--------|--------|--------|--------|--------|--------|-------|----------|--------|--------|--------|-------|--------|--------|
| 11,48 | 220 | 188 | | | | | | | | | | | | | | | |
| 13,12 | 209 | 187 | 169,4 | | | | | | | | | | | | | | |
| 14,76 | 186 | 185 | 168,3 | 161 | | | | | | | | | | | | | |
| 16,4 | 167 | 166 | 166,32 | 158,62 | 134,8 | | | | | | | | | | | | |
| 18,04 | 157 | 156 | 156,2 | 155,32 | 132,44 | 119,46 | 113 | | | | | | | | | | |
| 19,68 | 144 | 144 | 143 | 141,9 | 128,26 | 117,48 | 111,54 | 101 | 99 | | | | | | | | |
| 22,96 | 115,5 | 115 | 115,5 | 115,28 | 115,28 | 115,28 | 109,12 | 97,9 | 97,02 | 92 | 85,58 | | | | | | |
| 26,24 | 95 | 95 | 94,82 | 94,82 | 94,82 | 94,6 | 94,6 | 93,06 | 92,84 | 88,88 | 82,72 | 78,1 | 69,08 | 59,62 | | | |
| 29,52 | 80,7 | 80,5 | 80,52 | 80,52 | 80,3 | 80,3 | 80,08 | 79,86 | 79,86 | 75,9 | 31,3-9,1 | 68,64 | 63,14 | 58,3 | 55,44 | 48,84 | |
| 32,8 | 69,75 | 69,75 | 69,52 | 69,52 | 69,08 | 69,08 | 68,86 | 68,86 | 68,64 | 68,64 | 68,42 | 68,42 | 64,34 | 53,68 | 51,7 | 47,08 | 39,38 |
| 39,36 | 54,78 | 54,5 | 54,56 | 54,56 | 54,34 | 54,12 | 54,12 | 53,9 | 53,46 | 53,46 | 53,24 | 53,24 | 53,02 | 52,58 | 50,38 | 44,66 | 36,08 |
| 45,92 | | 44,6 | 44,44 | 44,44 | 44,22 | 44 | 43,78 | 43,78 | 43,56 | 43,34 | 43,12 | 43,12 | 42,68 | 42,46 | 42,24 | 42,02 | 34,76 |
| 52,48 | | | 37,62 | 37,4 | 37,18 | 36,96 | 36,74 | 36,52 | 36,3 | 36,3 | 35,86 | 35,86 | 35,64 | 35,42 | 34,98 | 34,76 | 34,54 |
| 59,04 | | | | 32,12 | 31,68 | 31,68 | 31,46 | 31,24 | 31,02 | 30,8 | 30,58 | 30,58 | 30,36 | 29,92 | 29,7 | 29,26 | 29,04 |
| 65,6 | | | | 27,94 | 27,72 | 27,5 | 27,28 | 27,06 | 26,84 | 26,84 | 26,4 | 26,4 | 26,18 | 25,74 | 25,52 | 25,08 | 24,86 |
| 72,16 | | | | | 24,42 | 24,2 | 23,98 | 23,76 | 23,54 | 23,32 | 23,1 | 22,88 | 22,66 | 22,44 | 22,22 | 21,78 | 21,56 |
| 78,72 | | | | | | 21,56 | 21,34 | 21,12 | 20,9 | 20,68 | 20,24 | 20,24 | 20,02 | 19,58 | 19,36 | 19,14 | 18,7 |
| 85,28 | | | | | | | 19,14 | 18,92 | 18,48 | 18,48 | 18,04 | 18,04 | 17,6 | 17,38 | 17,16 | 16,72 | 16,5 |
| 91,84 | | | | | | | | 17,38 | 16,94 | 16,72 | 16,5 | 16,28 | 16,06 | 15,84 | 15,4 | 15,18 | 14,52 |
| 98,4 | | | | | | | | | 15,4 | 15,18 | 14,96 | 14,52 | 14,52 | 14,3 | 13,86 | 13,2 | 12,98 |
| 104,96 | | | | | | | | | | 13,86 | 13,64 | 13,2 | 12,98 | 12,76 | 12,54 | 12,1 | 11,66 |
| 111,52 | | | | | | | | | | | 12,32 | 12,1 | 11,88 | 11,66 | 11,22 | 11 | 10,56 |
| 118,08 | | | | | | | | | | | | 11,22 | 11 | 10,78 | 10,56 | 10,12 | 9,9 |
| 124,64 | | | | | | | | | | | | | 9,9 | 9,9 | 9,46 | 9,24 | 8,8 |
| 131,2 | | | | | | | | | | | | | | 9,02 | 8,58 | 8,36 | 7,92 |
| 137,76 | | | | | | | | | | | | | | | 7,92 | 7,48 | 7,26 |
| 144,32 | | | | | | | | | | | | | | | | 6,82 | 6,6 |
| 150,88 | | | | | | | | | | | | | | | | | 6,16 |
| 157,44 | | | | | | | | | | | | | | | | | 5,94 |
| 164 | | | | | | | | | | | | | | | | | 5,72 |
| 170,56 | | | | | | | | | | | | | | | | | 5,28 |
| 177,12 | | | | | | | | | | | | | | | | | 4,62 |
| | | | | | | | | | | | | | | | | | 4,18 |
| | | | | | | | | | | | | | | | | | 3,74 |
| | | | | | | | | | | | | | | | | | 3,08 |

Above load chart is for reference only.

Operator must refer to Crane rating manuals and operator manuals to determine allowable crane lifting capacities, assembly and operating procedures.

Capacities are shown in kips (1 kip = 1000 lbs).

TRANSPORT PLAN & WEIGHTS

| Transport Items | Gross Weights | | Number Of Loads | | | | |
|--|---------------|--------|-----------------|--------|--------|--------|--------|
| | Lbs | kgs | #1 | #2 | #3 | #4 | #5 |
| Crane Body with boom foot | 76 230 | 34 650 | 1 | | | | |
| Track Frame Left | 24 200 | 11 000 | | 1 | | | |
| Track Frame Right | 24 200 | 11 000 | | | 1 | | |
| Base Plate with self assembly cylinder | 19 800 | 9 000 | | | | 1 | |
| Wing Counterweight A | 5 280 | 2 400 | | 1 | | | |
| Wing Counterweight A | 5 280 | 2 400 | | 1 | | | |
| Wing Counterweight A | 5 280 | 2 400 | | 1 | | | |
| Wing Counterweight A | 5 280 | 2 400 | | | 1 | | |
| Center Counterweight A | 5 280 | 2 400 | | | 1 | | |
| Wing Counterweight B | 5 280 | 2 400 | | | 1 | | |
| Wing Counterweight B | 5 280 | 2 400 | | | | 1 | |
| Wing Counterweight B | 5 280 | 2 400 | | | | 1 | |
| Wing Counterweight B | 5 280 | 2 400 | | | | 1 | |
| Carbody Counterweight A (front side) | 16 500 | 7 500 | | | | | 1 |
| Carbody Counterweight B (rear side) | 16 500 | 7 500 | | | | | 1 |
| Main Boom insert section 10 ft | 1 045 | 475 | | | | 1 | |
| Main Boom insert section 20 ft (2 pcs) | 1 980 | 900 | | | 2 | | |
| Main Boom insert section 30 ft (2 pcs) | 2 970 | 1 350 | | | | 1 | 1 |
| Main Boom Head | 4 180 | 1 900 | | | | | |
| Hook Block, 1 sheave,44 tons capacity | 1 210 | 550 | | | | 1 | |
| Ball Hook, 13.5 tons capacity | 770 | 350 | | | | 1 | |
| Auxillary short jib | 385 | 175 | | | | 1 | |
| Fixed Jib boom foot with strut | 1 430 | 650 | | * | | | |
| Fixed Jib insert section 15 ft with pendants | 495 | 225 | | * | | | |
| Fixed Jib insert section 15 ft with pendants | 495 | 225 | | * | | | |
| Fixed Jib Boom Head with pendants | 770 | 350 | | * | | | |
| Shipping weight per load (approx) | lbs | | 76 230 | 40 260 | 44 220 | 47 300 | 35 970 |
| | kgs | | 34 650 | 18 300 | 20 100 | 21 500 | 16 350 |

Basic crane with 152 ft main boom, 60 ft fixed jib, aux jib, 3 sheave hook block, ball hook and full counterweights.

NOTE: weights and dimensions may vary from above mentioned load plan. All truck loads, except crane body, are maximum 48,000 lbs (21,772 kgs), 8.5 ft wide, 8,5 ft load height based on a 48 ft long flat bed trailer. Variations due to local state law may be applicable in certain cases.

Standard features

Boom Stack System

Each boom section is equipped with a heavy duty boom stack system.

This integrated boom stack system allows the crane user to stack boom

Sections without using timber or other materials.



Boom Pendants

Standard each boom section comes with pendant bars. Boom assembly

is more easy and transport of boom sections is made more safe.



Boom Pin Storage

Each boom section has integrated boom pin storage. This keeps the

boom pin safe during transport and Ready for use when connecting the

boom sections.



Integrated Tool Box

Integrated toolbox in the front and rear carbody Counterweight.

Lockable with a key.



FOR MORE INFORMATION, CONTACT OUR DEALER:



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