

# PVE AMERICAN

## CRAWLER CRANES



CC100-1



CC110-1



CC200-1



CC330-1

CAUTION: This material is supplied for reference use only. Operator must refer to in-cab Crane Rating Manual and Operator's Manual to determine allowable crane lifting capacities and assembly and operating procedures.

**Complies with ANSI/ASME B30.5**

# Basic Technical details for all PVE AMERICAN cranes

## Hydraulic system

Bosch Rexroth hydraulic main pump and motors to power all winches installed, crawlers and 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 free-fall system is built with a low maintenance multi-disc brake system.

### **Optional winches**

3<sup>rd</sup> winch in boom foot Capacity 5,5 t

Optional with free spooling for piling operation

Tagline winch Capacity 4,5 t

Optional tagline Capacity 8,0 t

Tagline winch is with freefall

## 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.

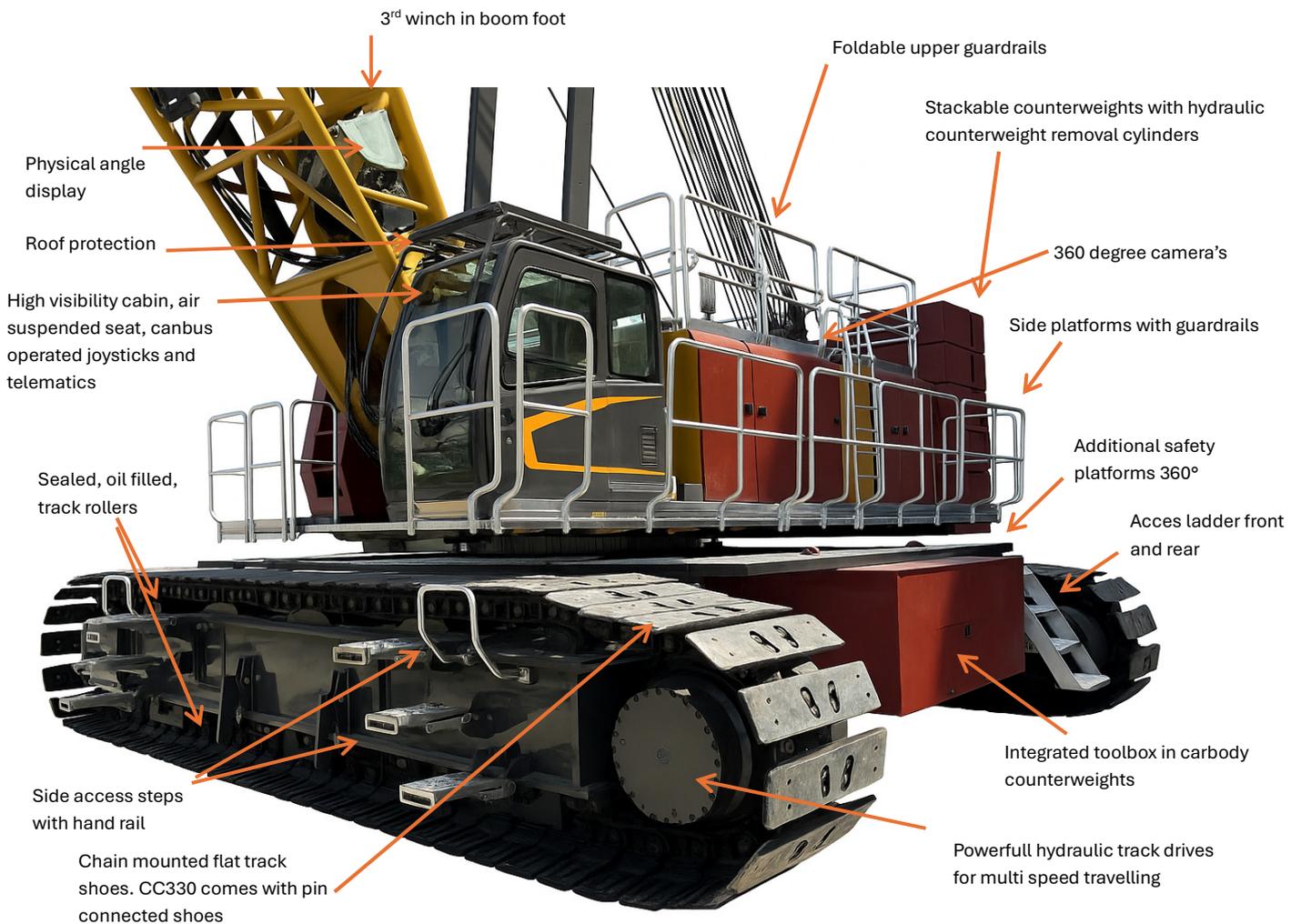
**CRANEINFO** is a data transmission and crane tracking system that ensures maximum data availability for the crane owner and optimal dealer or factory support.



# Standard Features on all **PVE AMERICAN** crawler cranes

Heavy duty design with high power Cummins diesel engines

The new generation **PVE AMERICAN** crawler cranes stand out with innovative designs and modern safety systems, improving operational safety, easy controls and optimum performance.



**MADE BY CRANE PEOPLE FOR CRANE PEOPLE**

PVE AMERICAN CC100-1

**Diesel Engine**

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Power rating,	261 kW (350 hp) at 2000 rpm
Engine make	Cummins L9
Fuel tank	132 gal (500 l) with level gauge and low level warning
Emission	Stage V / Tier 4F

PVE AMERICAN CC110-1

**Diesel Engine**

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Power rating,	261 kW (350 hp) at 2000 rpm
Engine make	Cummins L9
Fuel tank	132 gal (500 l) with level gauge and low level warning
Emission	Stage V / Tier 4F

PVE AMERICAN CC200-1

**Diesel Engine**

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Power rating,	261 kW (350 hp) at 2000 rpm
Engine make	Cummins L9
Fuel tank	132 gal (500 l) with level gauge and low level warning
Emission	Stage V / Tier 4F

PVE AMERICAN CC330-1

**Diesel Engine**

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Power rating,	336 kW (457 hp) at 2000 rpm
Engine make	Cummins L12
Fuel tank	171,5 gal (650 l) with level gauge and low level warning
Emission	Stage V / Tier 4F

**Winches**

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**Hoist Winches**

W1 +W2	Line pull 1 <sup>st</sup> layer	13,75 t
	Line pull 5 <sup>th</sup> layer	10,0 t
	Rope diameter	22 mm
	Rope speed	394 ft/min
	Optional	free-fall

**Winches**

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**Hoist Winches**

W1 +W2	Line pull 1 <sup>st</sup> layer	20,0 t
	Line pull 5 <sup>th</sup> layer	15,0 t
	Rope diameter	26 mm
	Rope speed	394 ft/min
	Optional	free-fall

**Winches**

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**Hoist Winches**

W1 +W2	Line pull 1 <sup>st</sup> layer	20,0 t
	Line pull 5 <sup>th</sup> layer	15,0 t
	Rope diameter	26 mm
	Rope speed	394 ft/min
	Optional	free-fall

**Winches**

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**Hoist Winches**

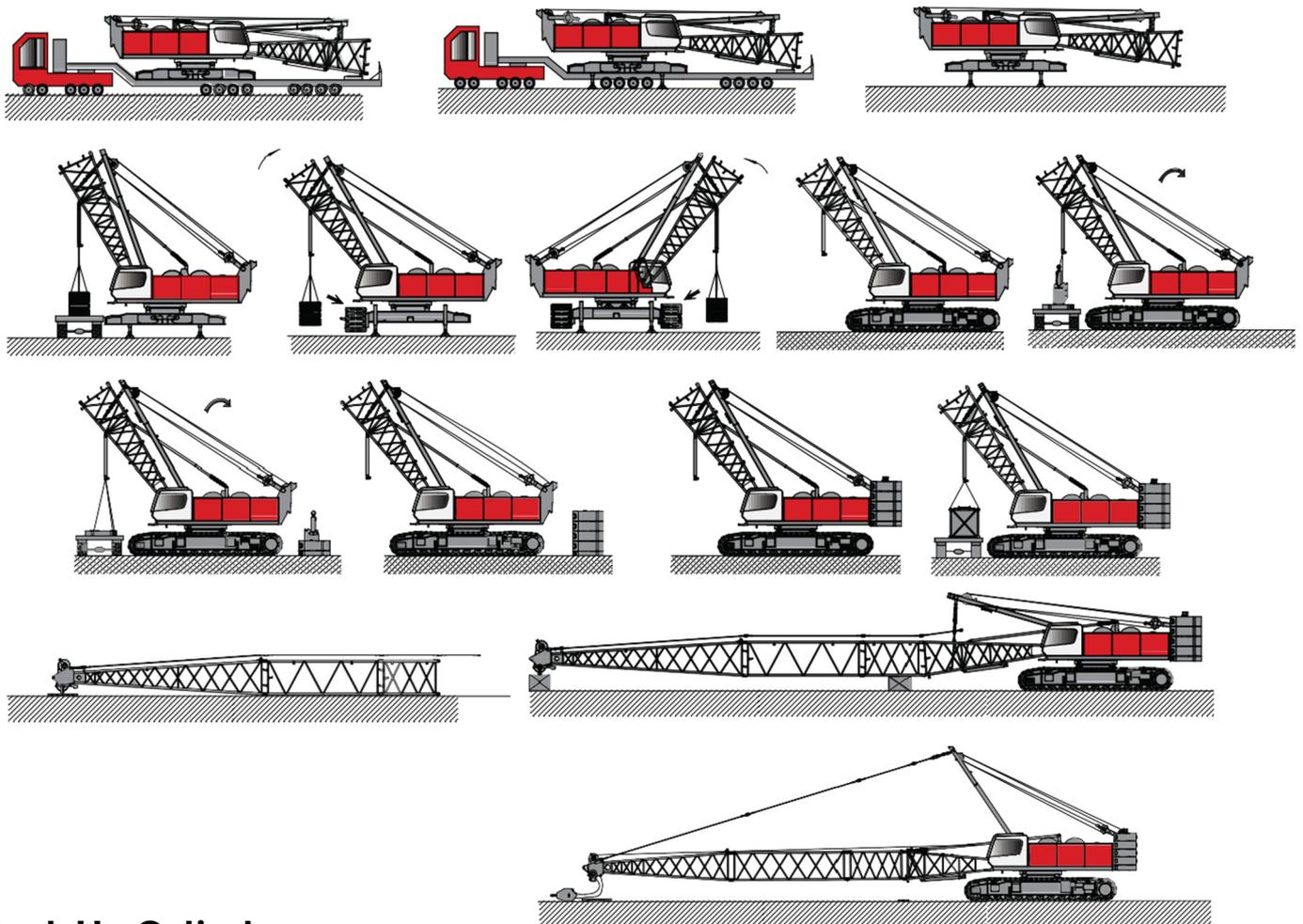
W1 +W2	Line pull 1 <sup>st</sup> layer	27,5 t
	Line pull 5 <sup>th</sup> layer	20,0 t
	Rope diameter	28 mm
	Rope speed	394 ft/min
	Optional	free-fall
W1 +W2 (ff)	Line pull 1 <sup>st</sup> layer	20,0 t
	Line pull 5 <sup>th</sup> layer	15,0 t

## Attachments for PVE AMERICAN cranes

• Auxiliary tip extension	CC100-1	CC110-1	CC200-1	CC330-1
• Offset jib	CC100-1	CC110-1	CC200-1	CC330-1
• Luffing jib		CC110-1	CC200-1	CC330-1

## Self-assembly for boom, tracks and counterweights

The CC110-1, CC200-1 and CC330-1 all have self assembly for the boom, tracks and counterweights, including carbody counterweights. The CC100-1 has a self assembly system for boom and the rear- and carbody counterweights.



## Jack Up Cylinder



CC110-1, CC200-1 and CC330-1 all have jack up cylinders as a standard.

Jack Up height is 4,3 ft (1320 mm)

# GRAB operation with **PVE AMERICAN** crawler cranes

Due to its strong design, high capacity Cummins diesel engines and strong winches, all PVE AMERICAN crawler cranes are very much suitable to be used for grab operations.



With a number of options for tagline winches, with freefall or with constant tensioning systems, you can get the maximum out of your crane investment.

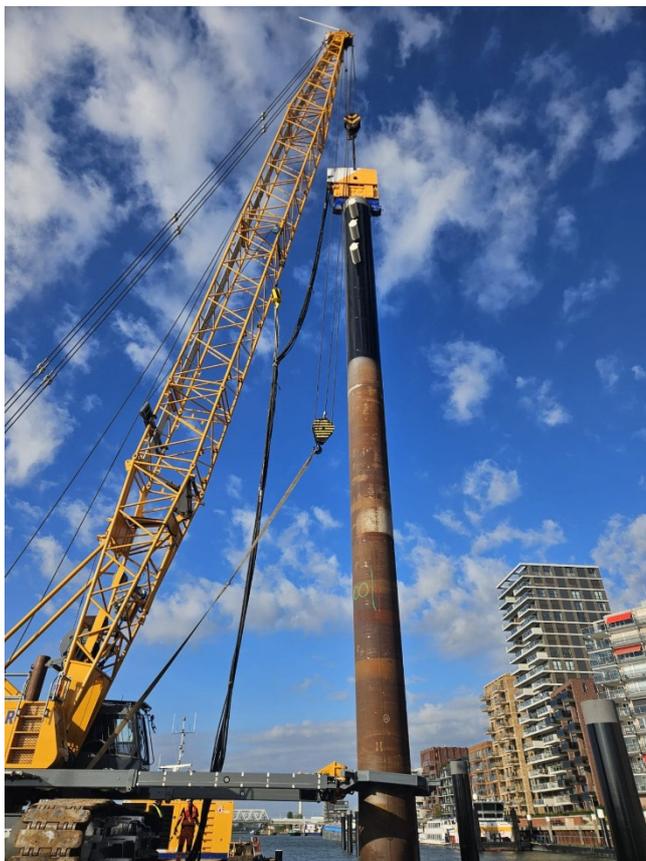


# PILING operation with **PVE AMERICAN** crawler cranes

With our heritage in Piling expertise, all **PVE AMERICAN** crawler cranes benefit from this expertise and are thus perfectly suited for use in piling operations.



- Freefall winches
- W3 with free spooling
- W4 for hydraulic hose bundle
- Folding sheave in boom insert
- Pile spotter
- Top view load camera
- Optional extra hydraulics
- Optional bigger engine



# Standard features

## Boom Stack System

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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

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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

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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.



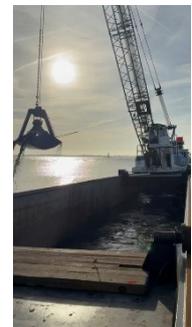
## Integrated Tool Box

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Integrated toolbox in the front and rear carbody Counterweight. Lockable with a key.



FOR MORE INFORMATION, CONTACT OUR DEALER:



## PVE AMERICAN

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