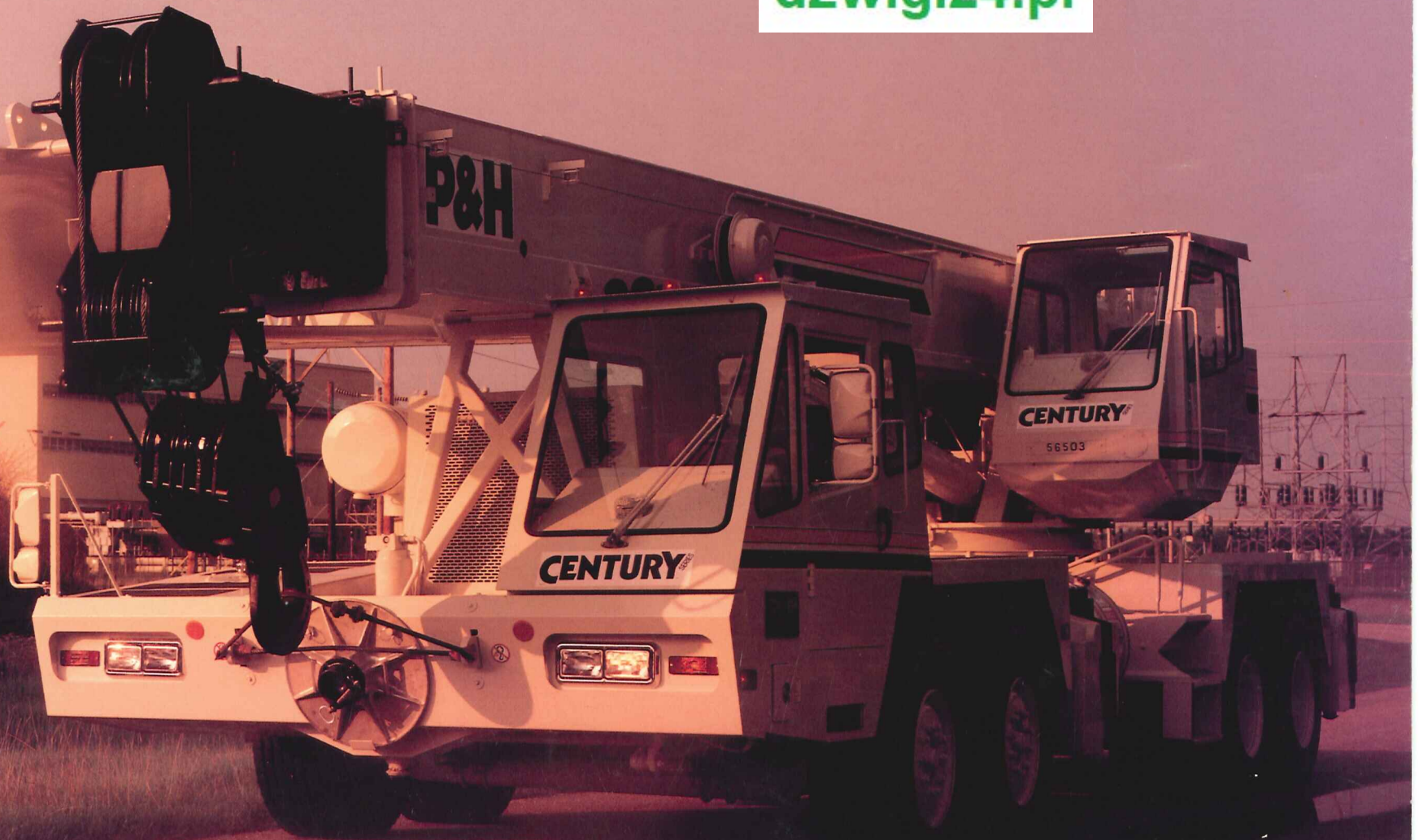


# CN T500 & CN T650

*Century Series Hydraulic Truck Cranes*

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**P&H**

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**PPM Cranes, Inc., manufacturers of P&H mobile cranes,** is dedicated to designing and building the best mobile cranes in the business.

Producing quality machines is only part of our mission. Outstanding customer service is just as important. To that end, we're prepared to help our network of distributors provide the best possible service on all of our products. Our in-depth training programs help keep distributor personnel current on product developments, so repairs can be done accurately. Our extensive parts inventory helps ensure that repairs can be done quickly.

Quality cranes, quality customer support ... that's the PPM Cranes, Inc. philosophy. We can back up this philosophy as part of the strongest group of lifting companies in the world. The members of the Legris Industries lifting group have sold more cranes of their types worldwide than any other manufacturer ... ever.



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*Our hydraulic truck cranes have the reach and the muscle to perform ... anywhere.*



## Comfort on the Job... Wherever You Need It.

You need movable lifting muscle to spare ... a crane that'll handle tough jobs just about anywhere. A crane that is comfortable to operate hour after hour. A crane that's logically designed and solidly built.

Sound close to the perfect crane? It's a description of the P&H CN T500 and CN T650 truck cranes.

Take a slow walk around a P&H truck crane. Get into the truck cab. Tilt and telescope the wheel until it's right where you want it. Notice the clear instrumentation, the visibility, the comfort.

Now climb up into the operator's cab, sit in the seat and take stock of your situation. You're surrounded by tinted glass ... front, sides, back, top ... for unobstructed visibility all around. The windows open, so you can adjust ventilation to suit your individual level of comfort.



If you were to turn on the ignition and put the crane through some paces, you'd notice something else. The cab is isolated from noise and vibration. Getting through a work day in this is a snap.

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### Clear and Obvious Instrumentation

The instrument panel in front of you is practical and clearly laid out. Precise gauges (not simply indicator lights) give you specifics on crane performance. Switches, gauges and controls are grouped together according to function for easier operation. A built-in load moment indicator keeps you apprised of the crane's capacities and limits under any load conditions.



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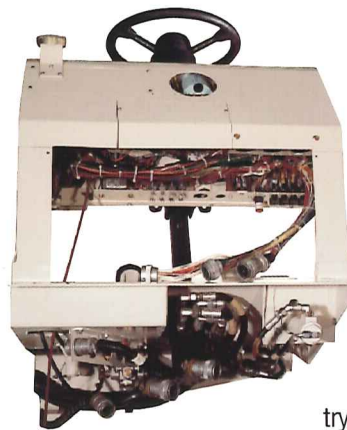
### Your Choice of Operational Controls

We give you a choice of ways to operate your P&H mobile crane: armrest-mounted joysticks or pilot operated levers. Whichever system you choose, it's right at your finger tips.



### Six-way Adjustable Seat

After a short while you notice you're not sitting in an average crane seat. We've eliminated the side console, so the seat is more spacious, giving you more elbow room. The back is higher for greater support. Sore backs and stiff necks aren't the problems they used to be. The seat's torsion suspension can be adjusted to accommodate your weight. Armrests are infinitely adjustable, and the seat moves forward and backward independently of, or together with, the armrests. Wrap it all in a fabric cover and you have a seat that will support you all day long without leaving you fatigued.



### Electrical Integrity

Besides taking care of the operator, we try to keep service people happy, too. Wire harnesses are color- and number-coded for faster, more accurate maintenance. We use Deutsch industrial-grade connectors to seal out the elements. Wire harnesses are securely attached to the crane body to make them more resistant to shock and vibration.

*P&H booms require no derate... not even for concrete bucket work.*



# Performance Power

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A crane may look tough on the outside, but performance depends on the power inside. Power to lift. Power to hold. Power to move. We evaluated every component that goes into our truck cranes, then we figured out how to make them better. With a P&H mobile crane, you get a unit that exceeds performance expectations. Your tour of a P&H truck crane reveals the things that make the difference: smooth hydraulic response, instant power when it's needed, the strongest booms in the industry ... booms so strong they require no derate, not even for concrete bucket work.

## Power to Lift

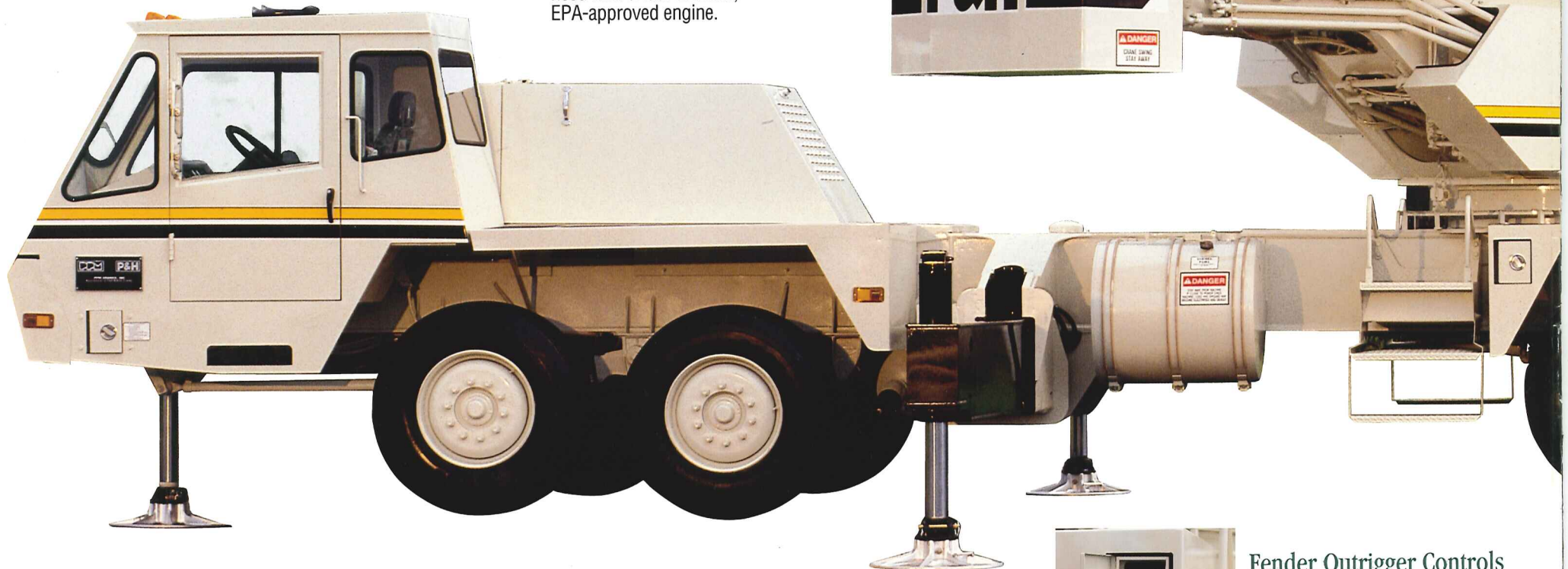
The winch. That's where the power to lift and hold a load is put to the test. P&H winches feature tough cast housings. They use bearings rather than bushings for longer life. Bent axis motors deliver power more efficiently and smoothly, giving you tighter control and better meterability. With a P&H hydraulic truck crane, you can always count on some of the industry's highest line pulls and speeds.

## 360-degree Gear Segment House Lock

Sometimes, free and easy movement is exactly what you don't want in your crane. With our 360-degree house lock, you can position the swing system anywhere you need it and lock it securely into place.

## Power to Move

P&H truck cranes pack more horsepower than most cranes in their class. They deliver the power and performance you need with a fuel-efficient, EPA-approved engine.



## Hydraulic Front Stabilizer

With the standard hydraulic front stabilizer in position, lifting versatility is increased for full 360-degree operation.

## Flush-stowing Outriggers

Our specially constructed frame allows outriggers to be retracted flush with the sides of the crane, giving you a sleeker vehicle that maneuvers into tighter spots.

## Fender Outrigger Controls

A duplicate set of outrigger controls in the fenders lets you set up the crane without climbing into the cab.



## A Quality Finish

Of course, every P&H mobile crane gets a paint job. But before the crane is assembled, critical components are individually primed and painted for better protection against corrosion. This attention to detail protects your investment for years to come.



## Spacious Storage

Roomy, lockable tool boxes are built into the rear fenders of the CN T650 for easily accessible ground level storage.

## Greater Reach

Swingaway lattice extensions with or without a stinger extend your reach even farther. All you do is swing the lattice extension over the boom point and crank the self-storing pins into position to secure it. That saves you time and aggravation, especially since it can be done from ground level. Options such as a 2-position offset mechanism and an auxiliary boom point sheave give you extra lifting versatility.



## Easy Hook and Block Access

You don't need a ladder to change the reeving on our crane. The boom lowers far enough so that the head sheave is accessible from ground level.



## Faster Counterweight Removal

We've dramatically cut down the time and effort usually required for removing the counterweight. It's accomplished in a few simple moves, and doesn't involve telescoping or raising the boom at all.

First, swing the rear of the upper around to the side. Second, attach the hoist cable to the counterweight lifting system on the outside of the counterweight housing and slowly lift the weight off its retaining pins. Third, pull the pins and lower the counterweight from the housing to the ground or onto a flatbed. You're finished.



# The Pride Plus Warranty... Best in the Business.



You've read what makes our cranes the best in the business. We have so much confidence in our cranes that we back them with the most comprehensive warranty in the business: **Pride Plus**. Our standard warranty, 12 months or 2,000 hours of operation, whichever occurs first, covers the entire crane. The major weldment structures listed below are covered for 5 years or 10,000 hours of operation:

- Lower main frame
- Outrigger box and beam structures
- Upper main revolving frame
- Boom section weldments

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## Parts and Service Support

A crane that's out of service costs you money. The longer it sits, the more you lose. We've developed an active parts and service program to keep the wait to a minimum. Besides an extensive, on-hand parts inventory, we have programs in place to help distributors serve our customers fast.

**Pride Plus Express** is a computerized program that gives distributors access to the current parts information such as price, availability, shipping, qualified parts and superseded parts. The service is on-line 24 hours a day, 7 days a week.



The PPM Cranes, Inc. plant in Conway, SC, where P&H mobile cranes are manufactured. The plant incorporates engineering, manufacturing, finishing, testing and support facilities. The latest quality assurance procedures are applied to every product manufactured here.



P&H mobile cranes are backed by active parts and inventory service programs.

**MAPS** is a computerized search system which reviews and identifies parts availability at distributor locations around the world. If you need a part for a P&H crane, MAPS will help find it for you.

**CARE** ... Crane Appraisal Repair Evaluation. This program determines a crane's operational condition, resale value or trade-in value. After a thorough inspection, conducted by a P&H-trained distributor, the completed inspection booklet can be used to quote prices for parts and repairs.



## Boom Power

The forces that work on a boom during operation are fierce. A crane manufacturer has two choices: derate for duty cycle work or build a stronger boom. We decided to build a stronger boom. Our 4-plate boom is welded inside and out for greater rigidity. The telescoping cylinder is semi-fixed mounted with two pins rather than one... pivoting action, which places stress on both boom and cylinder, is dramatically reduced. That increases the life of the cylinder and packings. Deflection is reduced even more by mid-mounted trunnions, which hold the cylinder body in place. With bending and side-load stresses held in check, you're able to telescope at any rated load.

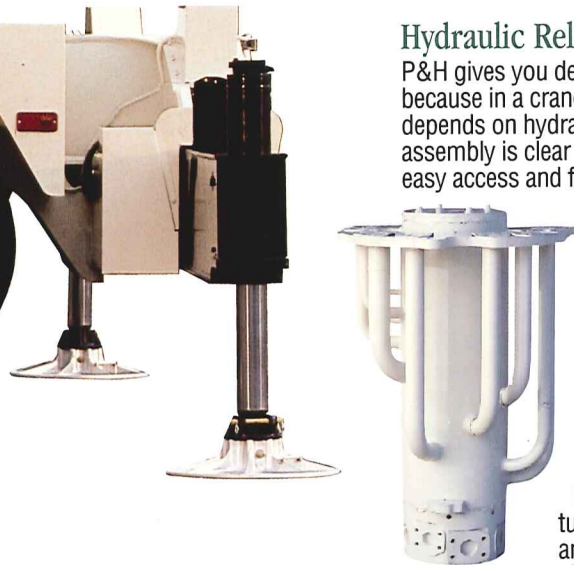


## Cylinder Serviceability

Servicing and repacking our cylinders is easy because we use simple-to-remove and replace bolt-on cylinder heads. The cylinders on P&H truck cranes have a longer service life because they're extra large to withstand bending.

## Hydraulic Reliability

P&H gives you dependable hydraulics, because in a crane just about everything depends on hydraulics. The swivel assembly is clear of other components for easy access and fast service. It can be reached from above or below. A high capacity hydraulic tank and a 4-pump system provide you with the high performance, multi-function capability you need. Wherever possible, we use steel tubing rather than hoses in hydraulic lines. Steel tubing helps dissipate heat and is more resistant to vibration and deterioration.



*Bent-axis winch motors deliver power more smoothly and efficiently for tighter control in sensitive applications such as steel erection.*



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