

# P&H® *Century 110D*

## ***Rough Terrain Crane*** ***10-Ton (9.1 tonnes) Maximum Capacity*** ***36 ft. (10.9 m) Maximum Tip Height***

**Excellent Maneuverability** - 4-wheel drive, 4-wheel steer - 15 foot 1/2 inch turning radius - height under 8 ft. 6 in. lets this crane go anywhere on your construction site, factory yard or shipping dock, indoors or out.

**Pick-and-Carry** up to 18,000 pounds!

**Husky Cummins diesel engine** coupled with powershift transmission (3-speeds forward and reverse) gives this crane the get-up-and-go you need for continuous high production.

**Rugged P&H boom** allows tough duty-cycle swinging (bucket work) without derating lift capacity.

**Telescopes any rated load** for up and through load handling. Block-type, semi-fixed telescope cylinder mounts help prevent cylinder rod distortion and binding of sliding boom section.

**Disc brakes** on all four wheels.

**PRIDE** Plus P&H The Pride Plus warranty . . . the most comprehensive warranty in the business. Our standard warranty covers the entire crane for 12 months or 2000 hours of operation, whichever comes first. Major weldment structures are covered for 5 years or 10,000 hours of operation.



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## Specifications

# Specifications

This P&H crane meets the requirements of ANSI B30.5c-1987. Boom structure has been tested per SAE J1063; machine stability tested per SAE J765.



**Boom:** Hydraulic telescoping 2-section boom, 18.25' (5.56 m) retracted, 32.5' (9.91 m) extended. Adjustable metallic slider pads, top, bottom, and sides.

Telescopic cylinder has block-type semi-fixed mounts to telescope rated loads, lever operated with holding valve.

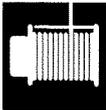
Boom point contains one non-metallic idler sheave and 2 non-metallic load sheaves 9" (229 mm) in diameter.

**Counterweight:** 3350 lbs. (1520 kg) fixed.

Boom angle indicators on both sides of boom.

Optional searcher hook available for boom tip.

Optional 15 ft. (4.6 m) swingaround extension stored on boom base.



**Main Winch:** Single speed winch mounted on rear of upper frame. Equal speeds raising and lowering — infinitely variable speed control. Complete with 120 ft. (36.6 m) 9/16" (14 mm) dia. wire rope.

**Drum:** 10.31" (261.8 mm) bottom diameter, 13.5" (343 mm) wide with 13.75" (349 mm) diameter flanges.

**Wire Rope (Std):** 9/16" (14 mm) dia. 6 x 37 extra-improved plow steel with 7 x 7 I.W.R.C.

**Drum Capacity:** 132' (40.2 m).

**Line Pull (max.):** 12,000 lbs (5443 kg).

**Line Pull (Permissible):** Based on strength of wire rope, 9600 lbs. (4354 kg).

**Line Speed (Max.):** 115 fpm. (35 mpm).

Optional hoisting equipment includes a 10 ton (9.1 tonne) one sheave hook block and a 5 ton (4.5 tonne) weighted hook with swivel.



**Swing Unit:** Hydraulic motor driving through reduction gear, 360 degrees continuous rotation. Swing brake spring applied, hydraulically released. Swing speed is 4 rpm.

**House Lock:** Single position pin-in-hole house lock.

**Hydraulic System:** The system utilizes a three section gear type pump. Total flow is 68 gpm (258 lpm) at 2500 rpm. The hydraulic fluid is returned to the 43 gallon (163 liter) reservoir via a 3 micron return filter. Pumps, valves, cylinders and motors are readily accessible and easy to service. The directional control valves contain four-way, three position type spools, which offer precise metering. A thermostatically controlled hydraulic oil cooler provides temperature control for the hydraulic fluid. All hydraulic circuits are protected by pilot operated relief valves which offer quick, smooth response to circuit overloads.



**Carrier:** 4 x 4 x 4 (Four wheel drive—four wheel steer). The frame is of all welded unitized construction, fabricated of rectangular structural tubing of high-strength steel.

**Carry Decks:** Located on each side of carrier. Each side is 28.5 square feet ( 2.6 sq. m) with deck stake holes.

**Carrier Options:** Front and rear pintle hooks, and a front mounted electric tow winch with 5000 lbs. (2268 kg) line pull.



**Hydraulic Outriggers:** 4 independent arm-type assemblies consisting of double acting hydraulic cylinders with holding valves, structural steel arms and integral steel floats.



**Cab:** Low profile easy entry mounted forward of front axle on the carrier frame on vibration insulation pads complete with lockable door, top window, sliding side and rear windows, tinted glass, and 4-way adjustable operator's seat. Cab includes all roading and craning controls, condition gauges, hot water heater, defroster fan, horn, seat belt, fire extinguisher, rear-view mirrors and windshield wiper. Windshield washer available as an option.

**Operational Aids:** Load moment indicator with audio/visual warning and shut-off. Anti-two block warning indicator.



**Steering Modes:** Includes 2 wheel, 4 wheel coordinated, and crab power steering, all controlled by the steering wheel.

**Front and Rear Axles:** Planetary hubs with power steering and hydraulic wet disc brakes at each wheel.

**Tires:** 14:00 x 20 12 PR tube type Earth Mover Sure Grip E-2 Tread.



**Power Plant:**

**Make:** Cummins  
**Model:** 4B3.9  
**Type:** 4 cycle diesel  
**Horsepower:** 76 HP (56.8 kw) @ 2500 RPM  
**Aspiration:** Naturally aspirated  
**Max Torque:** 184 ft lbs (23 kgm) @ 1200 RPM  
**Cylinders:** Four (4) 4.02 x 4.72 in. (102 x 120 mm) bore x stroke  
**Displacement:** 239.3 cu. in. (3.92 liters)  
**Alternator:** 24 volt, 63 amp

**Transmission:** Powershift with 3-speed forward and reverse .

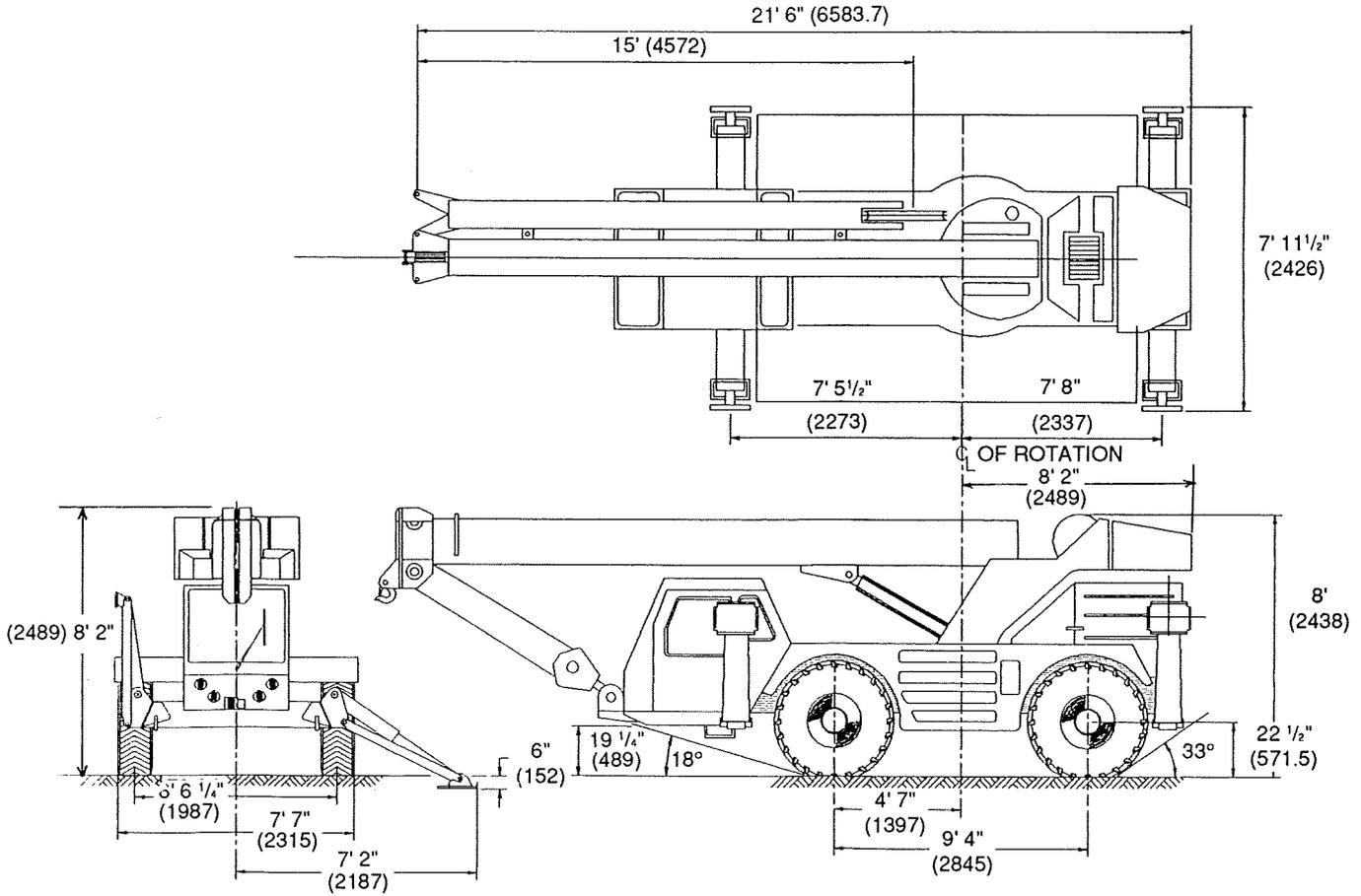


**Performance:** Performance based on gross vehicle weight of 25,200 lbs (9,435 kg). Maximum gradeability—86.4% (theoretical). Maximum speed: 20 mph (32 km/hr).

**Note:** Capacity charts and related lifting date can be found in a separate publication.

# General Dimensions

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## Dimensions

Outrigger Spread: 13' - 6" (4.11 m)  
 Turning Radius: 15' - 1/2" (4.58 m)  
 Curb to Curb: 31' - 3" (9.53 m)

## Axle Loads

Front Axle - 12300 lbs. (5,579 kg.)  
 Rear Axle - 12,900 lbs. (5,851 kg.)  
 Total Weight - 25,200 lbs. (11,430 kg.)

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NOTE: All designs, specifications and components of the equipment described above are subject to change at the manufacturer's sole discretion at any time and without advance notice. The individual load charts and related lifting data on each crane must be understood and govern operation of the crane. Data published herein is informational in nature and shall not be construed to warrant suitability of the machine for any particular purpose as performance may vary with conditions encountered. The only warranty applicable is our standard warranty for this machine.



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