

# P&H® *Century 128*

## ***Rough Terrain Crane 28Ton Maximum Capacity 137 Feet (41.8 m) Maximum Tip Height***

### **Built to Celebrate Over a Century of Quality and Service**

**Superior lifting performance** provided by P&H rectangular full depth four-plate boom welded inside and out.

**Choice of boom attachments** - with lattice extension, telescoping lattice extension, or "A" frame jib options. Lattice extensions can be offset 22°.

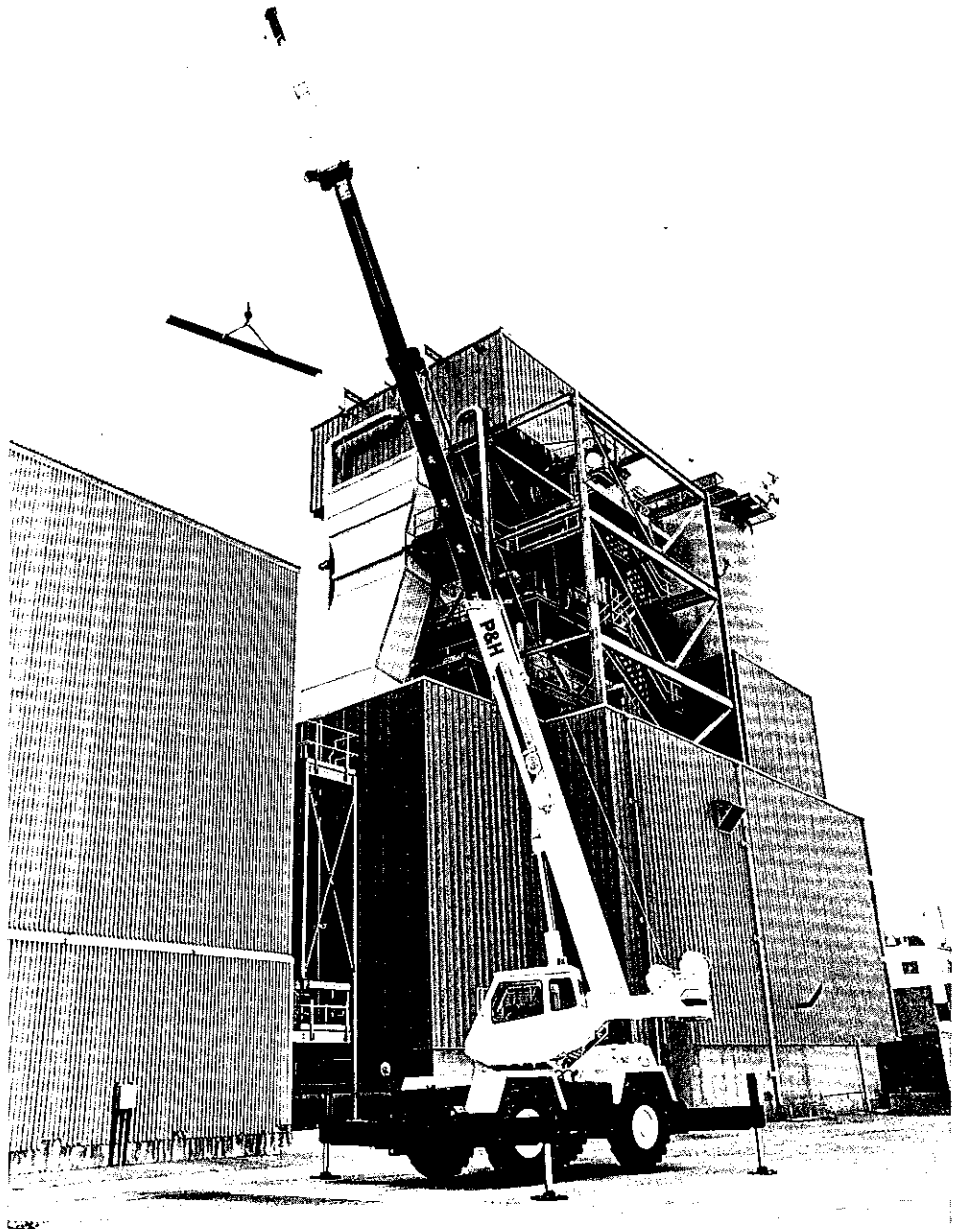
**Total operator comfort** means less fatigue and greater production. Spacious cab has convenient placement of controls, lots of leg and elbow room, and full vision of work.

**A duty-cycle machine** - powerful two-speed P&H winches offer high line speeds and pull. Four pump hydraulic system has optimum flow for fast crane functioning. *No derating of capacities on powered boom or 25 foot lattice extension for bucket work.*

**Heavy-duty electrical system** is built for maximum reliability. Triple-sealed electrical connectors protect against corrosion and vibration. Environmentally protected switches, relays and solenoids.

**Less downtime** - The industry's most serviceable crane is engineered for maximum reliability of all systems, parts commonality, accessibility, and easy maintenance.

**Takes the bounce out of travel** - exclusive P&H Easy Ride® shock-absorbing device cancels vehicular bouncing motion during travel between jobs.



## **Specifications**

# Specifications

ITEM NO.

This P&H crane meets the requirements of ANSI B30.5c-1987. Boom Structure (boom, lattice extension and jib) has been tested per SAE J1063, machine stability tested per SAE J765. LOAD RATINGS shown apply only to machine as manufactured by Century II, Inc.

## BASIC MACHINE

1

### Boom



**Boom:** All boom sections are of full depth rectangular four plate construction, welded inside and out, with adjustable slider pads on top, bottom and sides. All powered sections are single lever controlled. Block type semi-fixed telescope cylinder mounts provide ample capacity to telescope loads.

Boom point contains one idler sheave with bronze bushing and four load sheaves with roller bearings. Sheaves are 11.88" (301.7mm) pitch diameter.

**Standard Boom:** 91' (27.74M) four (4) section boom with manual section, 29' (8.8M) retracted length, 91' (27.74M) extended length, consisting of one base section, two hydraulically powered "first" and "second" sections, and one manually pinned section that can be hydraulically extended or retracted.

For performance characteristics, see Chart No.3: Range Diagram 91' Boom and Chart Nos.5 and 6: Lifting Capacities, 91" Boom.

(See Options for 72 foot boom).

(For enhanced performance, see Boom Options and Accessories).

### Counterweights (as furnished)

For 91' boom w/o auxiliary hoist - 8300 lbs.(3765kg)  
w/ auxiliary hoist - 7800 lbs.(3538kg)  
For 72' boom w/o auxiliary hoist - 7300 lbs.(3311kg)  
w/ auxiliary hoist - 6800 lbs.(3084kg)

### Upperstructure



**Operator's Cab:** All-weather environmental cab of steel has hinged tinted ceiling window, slide-by right side window, locking slide-by door and large windows with a full view in all directions. Safety glass used throughout. Operator's three-way adjustable seat has torsion suspension and seat belt. Cab is 33.5" (850mm) wide with a stand-up height of 56" (1422mm) and is cushioned mounted for vibration dampening and noise reduction.

**Cab Equipment (Standard):** Cab contains all roading and crane function controls. Front console includes gauges for engine water temperature, engine oil pressure, transmission clutch pressure, transmission oil temperature, hydraulic oil temperature, air pressure, and fuel. Also includes hour meter, voltmeter, winch high speed indicators, electric anti-two-block warning indicator, windshield wiper, fire extinguisher, electric horn, tachometer, speedometer, rearview mirror and dash light.



**Controls:** In front of operator are foot pedals for boom hoist, swing brake, service brakes, and engine throttle. Far left of steering wheel are console mounted double-acting levers for swing and telescope. At the right are levers for auxiliary winch (optional), main winch and boom hoist. Drum rotation indicators (optional) are mounted on auxiliary and main winch levers

and an optional directional indicator (emergency flasher) switch on steering column. At operator's front console are mounted switches for optional starting aid, master ignition, engine start, optional windshield wiper, optional master lights. At operator's right are console mounted switches for emergency/parking brake, defroster (optional), hi-low transmission range, steering mode selection and outrigger controls, circular level, gear range selector switch, forward-reverse selector lever, hand throttle, swing brake lever, travel stabilizer switch (Easy Ride), and house lock lever. Console has pre-wired, removable modules for ease of service.



**Main Winch:** P&H model 1080 two speed, mounted on rear of upper frame. Planetary gearing with equal speed power raising and lowering. Infinitely variable controlled speed. Spring applied, hydraulically released load holding multiple disc brake is automatic. Complete with 425' (130M) wire rope.

**Drum:** 10.75" (273mm) P.D. X 16.5" (419mm) wide with 16.75" (425mm) dia. flanges.

**Wire Rope (Standard):** 1/2" (13mm) dia. 6x25 extra improved plow steel,

with 7x7 I.W.R.C.

(See options, page 4, for spin resistant rope).

See Chart No. 24, Hoist Reeving, for rope capacities and parts of line required.

**Drum Capacity:** 543 ft. (165M) 5 layers.

**Line Pull (Max.):** 10,263 lbs. (4,655kg) 1st layer.

**Line Pull (Permissible - based on strength of wire rope):** 7,600 lbs. (3,454kg) 6x25 cable.

**Line speed Up (max.):** 404 fpm (123M/m) 5th layer.

(See options for Auxiliary Winch)



**Boom Hoist:** One 11.04" (280mm) bore X 58.0" stroke cylinder, double-acting. Hydraulically powered raising and lowering with holding valve. Cylinder has internal accumulator providing a stabilizing "Easy Ride" when roading machines. Stabilizer is controlled from operator's cab.

**Boom Telescope:** Two 5.29" (134mm) I.D. - double-acting for powered sections. Hydraulically powered extending and retracting with holding valve.

**Hydraulic System:** System utilizes two tandem gear type pumps. One tandem pump, operating at 2650 rpm, provides 44 gpm (166 lpm) to the main and/or auxiliary winches and 44 gpm (166 lpm) to the boom hoist and boom telescope cylinders. A second tandem pump, operating at 2650 rpm, provides 27 gpm (102 lpm) to the swing circuit and 27 gpm (102 lpm) for the steering, winch boost and outrigger circuits. Total flow at 2650 engine rpm is 142 gpm (536 lpm). All hydraulic oil is filtered to 7 microns on return to the reservoir. Maximum pressure drop of return filter with clean element and oil at normal operating temperature is 25% of by-pass setting to assure minimum fluid resistance and power loss while protecting seals in cylinders, valves and motors.

The 90 gal. (340 l) reservoir is located on the left side of the carrier. Pumps, valves, cylinders and motors are readily accessible and easy to service. Control valves are four-way, three-position type with low effort spools and pilot-operated relief valves for quick, smooth response. Swing circuit has pressure compensated valve for swing metering control. Cable linkage connects valve to control levers. Hydraulic oil cooler is standard.



**Swing Unit:** Hydraulic motor driving through gear reducer to pinion gear, 360° continuous rotation to 3.9 rpm.

**Swing Gear:** External cut spur gear 39.667" (100.75cm) P.D.

**Swing Brake:** Spring applied, hydraulically released, dry disc brake, integral with swing reducer. Hand brake control lever mounted on side console. A manual foot pedal applies brake for static holding.

**House Lock:** Single position (front) pin-in-hole lock manually engaged with house lock lever.

**Fastening to Lower:** Single row ball bearing integral with swing gear. Welded to carrier frame and bolted to rotating frame. Bearing is protected from dust by labyrinth seal.

**Rotary Manifold:** Sealed rotary swivel for air and hydraulic hose connections between rotating upper and carrier. Quickly removable from above or below for servicing. Electrical swivel is mounted on top of air and hydraulic swivel.

### Carrier



**Carrier:** 4x4x4 (Four wheels drive. Four wheels steer) - for rough terrain with limited turning area.

**Frame:** All welded unitized construction assures rigidity and permanent alignment of swing bearing and rotating upper machinery. Fabricated of rectangular structural tubing main frame beams of high strength 45,500 psi (3200kg/sq. cm) minimum yield steel and reinforced with rectangular box cross members of high strength 47,000 psi (3300 kg/ sq. cm) minimum yield steel.



**Hydraulic Outriggers:** Four (4) independent assemblies that hydraulically extend out horizontally from carrier frame and down vertically to form a stable working platform. Four (4) double-acting hydraulic cylinders provide independent horizontal beam movement and four (4) provide vertical rod movement. Vertical cylinders are equipped with holding valves.

Cylinders are actuated by electric solenoid directional control valves operated from cab console switches. Beams are rectangular box members of high strength 79,600 psi (5600 kg/cm<sup>2</sup>) minimum yield steel. Four (4) fabricated 14" (35.6cm) sq. floats are removable and stored on the frame. Extended spread is 18'-0" (5.4M) from C/L to C/L of verticle cylinders Retracted within carrier width of 8'-0" (2.44M).



**Steering Options:** (A) Front axle steer - hydrostatic power system fully controlled by steering wheel; (B) Front and rear axle steer - hydrostatic power system fully controlled by steering wheel for front and rear axles. Two wheel, four wheel and crab steer mode selection is controlled by three-position sealed switch located in cab on side console. Center position of switch locks position of rear wheels and only front wheels are steerable. The amount of rear wheel turn is controlled by steering wheel.

**Front axle:** Steer and drive or non-drive axle driven through differential with planetary in hubs. Axle rigid mounted with power steering.

**Rear Axle:** Steer and drive axle driven through differential with planetary in hubs. Power steering, with optional no-spin differential. Axle is pivot mounted with automatic hydraulic lockout cylinders to prevent oscillation (vertical movement of axle). Total oscillation attainable is 8" (20.3cm).

**Service Brakes:** Air over hydraulic brakes on all four wheels, internal expanding shoe type, actuated by foot pedal in cab.

**Parking Brake:** Spring-set air chamber on drum brake on output yoke of transmission. Spring set and air release.

**Tires:** Standard - 20.5x25 - 20 PR Tubeless Sure Grip Lug Wide Base (E-2) See Chart Nos. 13-23 for "On Rubber" lifting capacities. Alternate tires and spares available. See Options.

**Miscellaneous Equipment (Standard):** Sliding engine hood, tow lugs, hydraulic pump disconnect, automatic moisture ejector for air system, oil to air transmission cooler, front axle disconnect and oil to air hydraulic oil cooler. Additional accessories listed under Options.



**Power Plant:** (Standard)

Make Cummins  
 Model 6BT5.9  
 Type Diesel  
 Cylinders 6  
 BoreXStroke 4.02X4.72 in.  
 Displacement 102X120mm  
 359 cu.in.  
 5.88 liters  
 Cycles Four  
 Air Induction Turbocharged  
 Starting 12 volt motor  
 Negative Ground  
 Charging 12 volt alternator, 80 amp  
 Compressor, Air Air 9.5 CFM @ 1250 rpm  
 Governor, Air 100-120 psi  
 Fan 6 blade, suction type  
 22 in. (559mm)

Ratings:  
 Gross HP @ rpm 130 @ 2650  
 Kilowatts @ rpm 97 @ 2650

**Accessories:**

Cooling Liquid recirculating, bypass, pressurized.  
 Radiator Tube and fin type, thermostat controlled, with sealed baffle, rapid warm-up.  
 Starting Cold weather starting aid (measured shot) required below 30° F (-1 C).  
 Electrical System is 12 volt, negative ground. Wire harnesses have

protective braided nylon covering and are individually clamped to framework.  
 Environmentally-sealed toggle-type switches and harness connectors are used.  
 Battery Reserve capacity 398 minutes. Cold cranking amps at 0°F - 885 amps.  
 Fuel Tank 50.0 gal. (189 liters) Meets FHWA requirements,(right side between tires).  
 Air Cleaner Single stage dry - replaceable element.  
 Lube oil filter Replaceable element. Full-flow.  
 Fuel Filter Spin-on replaceable element.

**Transmission (standard):** Powershift with high/low range. Fully electric gear shift, 3 speeds forward and 3 reverse, with high-low electric controlled air range shift. Electrically controlled air-generated front axle disconnect for highway travel.

Fully sequential transmission is optional.



**Performance:** Standard Powershift Transmission - 3 forward, 3 reverse speeds. Performance in highest and lowest gear based on engine at full load rpm, 51,320 lb. gross vehicle weight, 20.50x25 tires, 91' boom, 8300 lbs. counterweight and good surface road. Maximum grade at 1 mph is approximately 48.6%.

Low Range Speeds		High Range Speeds	
1st	2.9 mph (4.6 kmph)	1st	6.5 mph (10.5 kmph)
2nd	6.3 mph (10.1 kmph)	2nd	13.9 mph (22.3 kmph)
3rd	12.0 mph (19.3 kmph)	3rd	25.0 mph (40.2 kmph)

(End - BASIC MACHINE)

**OPTIONS**

**Boom Options and Accessories**

ITEM NO. 72' (21.90M) three (3) section powered boom, 29' (8.8M) retracted length, 72' (72.90M) extended length, consisting of one base section, one hydraulically powered "first" section, and one cable powered "second" section with boom point.

**Cable Extend Mechanism:** As the "first" section is extended, it pulls out the "second" section by a system of twin .875" (22mm) dia. extend cables and 15.75" (400mm) P.D. metallic sheaves with roller bearings. The extend cables are connected to a bracket on the top of the base section, pass around the sheaves which are pinned to the front end of the "first" section section, and then connected to a bracket at the rear end of the "second" section to equalize the load on the "extend ropes". The design safety factor is 3.5 to 1. As the powered "first" section is retracted it simultaneously pulls the cable extended "second" section back into the "first" section. The twin retract cables are .50" (13mm) dia. and are connected to brackets on the top of the base section, pass around the 11.50" (292mm) P.D. sheaves with bronze bushings that are pinned inside the rear end of the "first" section, and then connected to a bracket that is mounted inside the rear end of the "second" section.

For performance characteristics, see Chart No. 11: Range Diagram 72' Boom and Chart No. 13: Lifting Capacities, 72' Boom.

125 **25' (7.62M) Lattice Extension:** Swing-around tapered lattice structure with single 13.1" (332.7mm) P.D. metallic boom point sheave with bronze bushing. Easily installed from ground level by pivoting from stored position on right side of boom base and pin-connecting with self-storing pins to boom point. Includes Anti-Two Block material. Offset 2° from boom. For extending reach of boom. Includes Item 145 with new machine.

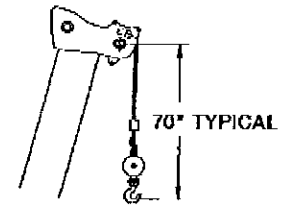
135 **25'6" to 42'6 (7.8-12.95m) Lattice Extension:** Swing-around tapered lattice structure with welded four-plate telescopic section and single 13.1" (332.7mm) metallic boom point sheave with bronze bushing. Easily installed from ground level by pivoting from stored position on right side of boom base and pin connecting with self-storing pins to boom point. Includes Anti-Two Block material. Offset 2° from boom. For extending reach of boom. Includes Item 150 with new machine.

For performance characteristics see Chart Nos. 6, 7, 15 and 16.

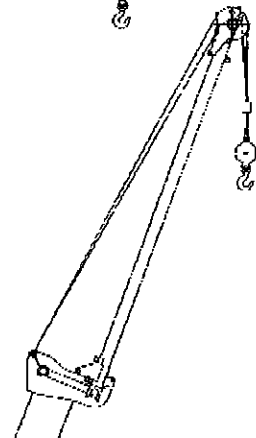
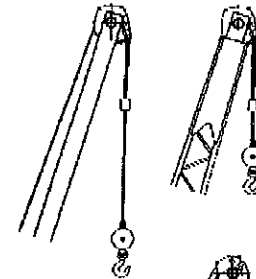
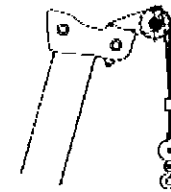
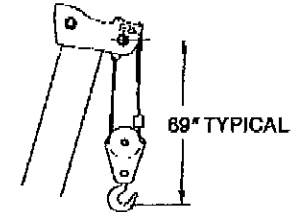
**CHART  
1**

**Axle Loads**

VEHICLE WEIGHTS	POUNDS			KILOGRAMS		
	GROSS	FRONT	REAR	GROSS	FRONT	REAR
Basic Carrier	14,404	6,699	7,705	6,539	3,041	3,498
Basic Upper	5,150	1,890	3,260	2,338	858	1,480
<b>Standard Equipment</b>						
91 ft. Boom installed	10,877	14,547	-3,670	4,938	6,604	-1,666
Roading Stabilizer "Easy Ride" installed	1,325	773	552	601	351	250
8300 lb. Counterweight installed	8,306	-3,557	11,863	3,772	-1,615	5,387
Main Winch installed	614	-89	703	279	-40	319
Main Winch Wire Rope	196	-47	243	89	-21	110
Valve Cover installed	97	47	50	44	21	23
Fenders installed	470	235	235	214	107	107
Cummins 6BT5.9 engine w/ R-Shift Transmission	2,432	125	2,307	1,104	56	1,048
20.5 x 25 E-2 Tires installed	3,568	1,784	1,784	1,620	810	810
Front Axle installed	1,652	1,628	24	750	739	11
Rear Axle installed	2,214	-74	2,288	1,005	-34	1,039
Axle Lockout installed	15	4	11	7	2	5
<b>Basic Machine</b>	<b>51,320</b>	<b>23,965</b>	<b>27,355</b>	<b>23,300</b>	<b>10,879</b>	<b>12,421</b>
<b>Adjustments for Options:</b>						
72 ft. Boom installed	-1,820	-2,298	-478	-826	-1,043	-217
<b>Power Plant Options:</b>						
DDA 8.2L Engine w/ R-Shift Transmission	420	5	415	191	3	188
DDA 8.2L Engine w/ P-Shift Transmission	507	22	485	231	11	220
Cummins 6BT5.9 Engine w/ P-Shift Transmission	102	22	80	46	10	36
No-Spin Rear Axle	20	0	20	9	0	9
<b>Tire Options:</b>						
16:00 x 25 Tires	-290	-145	-145	-132	-66	-66
20.5 x 25 E-3 Tires	368	184	184	168	84	84
Main & Aux. Winch installed (w/o Rope)	560	-180	740	254	-82	336
Storage Box installed	75	87	-12	34	40	-6
<b>Counterweights:</b>						
6800 lb. CTWT for 72' Boom w/ Aux. Winch	-1,505	723	-2,228	-684	328	-1,012
7300 lb. CTWT for 72' Boom w/o Aux. Winch	-1,006	515	-1,521	-457	234	-691
7800 lb. CTWT for 91' Boom w/ Aux Winch	-501	219	-720	227	-100	-327
<b>Additions for Options:</b>						
Front-Mounted Winch installed	338	534	-196	154	242	-88
Flood Lights installed	36	37	-1	16	17	-1
Pintle Hook installed in front	34	52	-18	15	23	-8
Pintle Hook installed rear	34	-18	52	15	-8	23
Diesel Heater installed	44	9	35	20	4	16
Propane Heater installed	52	10	42	23	4	19
Air Dryer installed	23	-7	30	10	-3	13
Aux. Winch Rope (360" x .50 Dia.)	166	-73	239	75	-33	108
<b>Boom Attachments (on 91 ft. boom):</b>						
Auxiliary Boom Point Sheave installed	91	277	-186	41	126	-85
25 ft. Lattice Extension mtd. side of boom	816	1,321	-505	370	600	-230
25-42.5 ft. Lattice Extension mtd. side of boom	1,480	2,284	-804	671	1,036	-365
10 ton Hook Block 1 sheave	325	953	-628	148	433	-285
28 ton Hook Block 4 sheaves	500	1,458	-958	227	662	-435
5 ton Hook	121	361	-240	55	164	-109
<b>Boom Attachments (on 72 ft boom):</b>						
Auxiliary Boom Point Sheave installed	91	241	-150	41	109	-68
25 ft. Lattice Extension mtd. side of boom	816	994	-178	370	452	-82
25-42.5 ft. Lattice Extension mtd. side of boom	1,480	2,284	-804	671	1,036	-365
A-Frame Jib underslung	546	926	-380	248	420	-172
10 ton Hook Block 1 sheave	325	823	-498	148	374	-226
28 ton Hook Block 2 sheaves	500	1,458	-958	227	662	-435
5 ton Hook	121	313	-192	55	142	-87



DIMENSIONS TYPICAL FOR ALL ATTACHMENTS



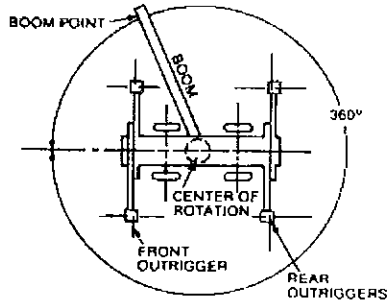
MAIN & AUXILIARY HOIST REEVING 6 X 25									
1/2" DIA. WIRE ROPE BREAKING STRENGTH 26,600 LBS.									
PARTS OF LINE	1	2	3	4	5	6	7	8	9
MAXIMUM LOAD	7600	15200	22800	30400	38000	45600	53200	56000	
MAIN & AUXILIARY HOIST REEVING 8 X 19									
1/2" DIA. WIRE ROPE BREAKING STRENGTH 23,400 LBS.									
PARTS OF LINE	1	2	3	4	5	6	7	8	9
MAXIMUM LOAD	4650	9300	13950	18600	23250	27900	32550	37200	41850

**CHART  
2**

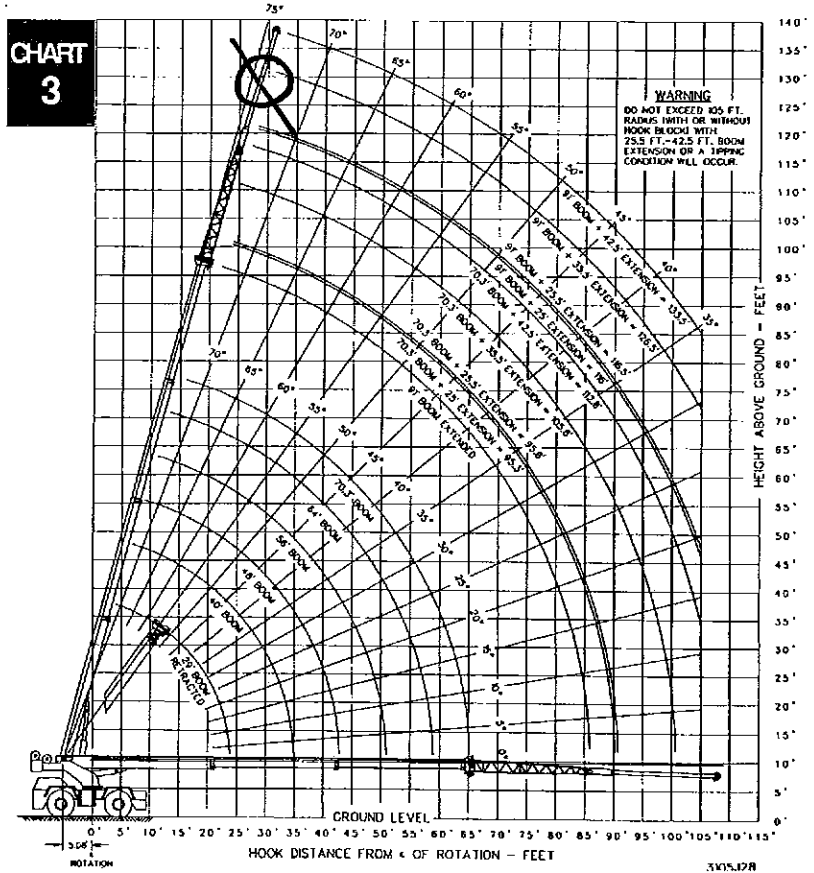
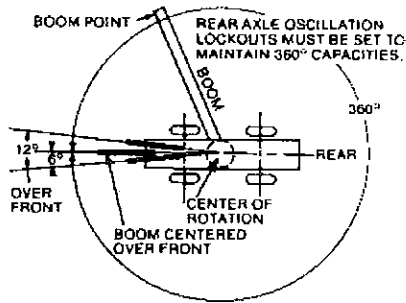
# Range Diagrams Standard 91 Foot Powered Boom

## areas of operation

### ON OUTRIGGERS



### ON TIRES



# Standard 91Foot Powered Boom Century 128 - Rated Crane Loads in Pounds

CHART 5

POWERED BOOM RATINGS IN POUNDS WITH OUTRIGGERS EXTENDED													
POWERED BOOM LENGTH													
OPERATING TIPPING	BOOM LENGTH										OPERATING TIPPING		
	29 FT.	40 FT.	48 FT.	56 FT.	64 FT.	70.3 FT.	70.3 FT.	70.3 FT.	70.3 FT.	70.3 FT.			
	360°												
10	63	56000	71	47800	75	44800					10		
12	58	47200	68	43600	72	40500					12		
15	50	36400	63	36400	68	35800	72	33200	75	31000	15		
20	34	25900	54	25900	62	25900	67	25900	70	25900	73	23500	20
25			44	19700	54	19700	61	19700	65	19700	68	19700	25
30			32	15500	46	15500	54	15500	60	15500	64	15500	30
35					36	12500	47	12500	54	12500	59	12500	35
40					23	9700	39	9700	48	9700	53	9700	40
45							30	7600	42	7600	48	7600	45
50							13	6100	34	6100	42	6100	50
55									23	4900	34	4900	55
60											25	3800	60
65											8	3100	65

**INFORMATION:**

1. Crane load ratings do not exceed 85% of tipping load.
2. Ratings above the line are based on the machine's hydraulic or structural competence and not on machine stability.
3. Deductions must be made from rated loads for stowed lattice extension or jib, optional attachments, hooks and hookblocks ( see Deductions Chart on page 12). Weights of slings and all other load handling devices shall be considered part of the load.
4. Crane load ratings with outriggers are based on the outriggers fully extended and set to a distance of 9 feet from the longitudinal axis of the carrier to the outrigger float pin connection with all load removed from carrier wheels.

CHART 6

OFFSET

LATTICE EXTENSION IN POUNDS WITH OUTRIGGERS EXTENDED AND SET											
PINNED SECTION EXTENDED				LATTICE EXTENSION WITH PINNED SECTION RETRACTED				LATTICE EXTENSION WITH PINNED SECTION EXTENDED			
OPERATING TIPPING	FOR ALL BOOM LENGTHS UP TO 91 FT.			OPERATING TIPPING	FOR ALL BOOM LENGTHS UP TO 95.3 OR 95.8 FT.			OPERATING TIPPING	FOR ALL BOOM LENGTHS UP TO 116 OR 116.5 FT.		
	FOR 91 FT. BOOM ONLY	360°	RATED LOAD IN POUNDS		FOR 95.3 OR 95.8 FT. BOOM ONLY	360°	RATED LOAD IN POUNDS		FOR 116 OR 116.5 FT. BOOM ONLY	360°	RATED LOAD IN POUNDS
25	75	15700		25				25			
30	71	14100		30	73	13000		30			
35	68	12600		35	70	12100		35	75	8900	
40	64	10700		40	66	10200		40	72	8100	
45	60	8600		45	62	8200		45	69	7300	
50	56	7000		50	59	6700		50	66	6700	
55	52	5800		55	55	5500		55	63	5800	
60	48	4800		60	51	4500		60	61	4900	
65	43	4000		65	46	3700		65	58	4100	
70	38	3300		70	42	3000		70	54	3400	
75	32	2800		75	37	2500		75	51	2800	
80	24	2300		80	31	2000		80	47	2300	
85	11	1900		85	23	1600		85	43	1900	
				90	10	1200		90	39	1500	
								95	35	1200	
								100			
								105			

**NOTE:**

1. When boom is not fully extended, use only boom angles to determine load rating.
2. For boom angles not shown, use rating of next lower boom angle.
3. For bucket ratings on 35.5 ft. and 42.5 ft. extensions, deduct 20% from load ratings.

**WARNING:** Do not exceed 105 ft. radius (with or without hook block) with 25.5 ft. - 42.5 ft. boom extension or a tipping condition will occur.

"on tires"

91 foot — four section powerd boom with pinned section  
rated crane loads in pounds — main boom — without outriggers

O P E R A T I N G R A D I U S F T.	20.50 X 25-20 PLY TIRES			
	STATIONARY		PICK & CARRY BOOM CENTERED OVER FRONT	
	16° ARC OVER FRONT	360° ARC	CREEP	2 1/2 MPH
10	32500	25800	27200	18800
12	27800	21500	23500	16000
15	22800	15000	19100	12800
20	15000	9100	14300	9100
25	10200	5900	9800	6700
30	7200	3900	6900	5000
35	5200	2500	5000	3700
40	3800	1600	3700	2700
45	2600		2600	1900
50	1800		1800	1200
55	1200		1200	
60				

3302300

O P E R A T I N G R A D I U S F T.	16.00 X 25-24 PLY TIRES			
	STATIONARY		PICK & CARRY BOOM CENTERED OVER FRONT	
	16° ARC OVER FRONT	360° ARC	CREEP	2 1/2 MPH
10	35800	27900	30200	25400
12	30900	21300	26100	21900
15	24500	14800	21400	17700
20	15000	8800	14400	13100
25	10100	5700	9800	9800
30	7200	3800	6900	6900
35	5200	2400	5000	5000
40	3800	1500	3600	3600
45	2600		2600	2600
50	1800		1800	1800
55	1100		1100	1100
60				

3302301

**WARNINGS:**

1. WHEN TRANSPORTING A LOAD, MACHINE MUST BE ON FIRM, LEVEL SURFACE WITH MECHANICAL HOUSELOCK ENGAGED. THE LOAD MUST BE CENTERED OVER FRONT OF MACHINE AND RESTRAINED FROM SWINGING. SEE AREAS OF OPERATION PLATE FOR WORKING RANGES.
2. CRANE LOAD RATINGS ON TIRES APPLY ONLY WHEN REAR AXLE LOCKOUTS ARE ENGAGED WHEN SWINGING 360°.
3. DO NOT ATTEMPT LIFTS ON TIRES WITH JIB OR EXTENSION ERRECTED.
4. LIFT LOADS WITH SHORTEST BOOM POSSIBLE FOR EACH RADII.

**DEFINITIONS:**

1. CREEP IS MOTION FOR LESS THAN 200 FT. IN A 30 MINUTE PERIOD AND NOT EXCEEDING 1 M.P.H.

**INFORMATION:**

1. RATINGS ABOVE THE HEAVY LINE ARE BASED ON STRUCTURAL COMPETENCE AND NOT ON MACHINE STABILITY.
2. IT IS RECOMMENDED THAT OUTRIGGERS BE EXTENDED AS FAR AS POSSIBLE AND CLEAR OF GROUND WHEN LIFTING ON TIRES.
3. STABILITY RATINGS DO NOT EXCEED 85% OF TIPPING LOADS.

DEDUCTIONS TO BE MADE FROM LOAD RATINGS IN POUNDS				
HOOK BLOCK	HOOK BLOCK ON POWERED BOOM POINT			
	5 TON	10-20 TON	5 TON WITH AUXILIARY SHEAVE	10-20 TON WITH AUXILIARY SHEAVE
HOOK BLOCK WEIGHT	150	550	250	650
STOWED EXTENSION OR JIB	25 FT. BOOM EXTENSION	550	950	1050
	23.5-42.5 FT. BOOM EXTENSION	750	1150	850
	4.5 FT. JIB	---	---	---

NOTE: LOAD DEDUCTIONS APPLY ONLY TO P&H SUPPLIED EQUIPMENT.

TIRE INFLATION			
SIZE	STATIC & CREEP	2 1/2 MPH	TRAVEL
16.00 X 25-20 PR	100 PSI	100 PSI	75 PSI
20.50 X 25-20 PR	80 PSI	65 PSI	50 PSI

WARNING: CRANE LOAD RATINGS WITHOUT OUTRIGGERS DEPENDS ON TIRE CAPACITY AND CONDITION OF TIRES. INFLATED PER TABLE.

**DEDUCTIONS TO BE MADE FROM LOAD RATINGS IN POUNDS**

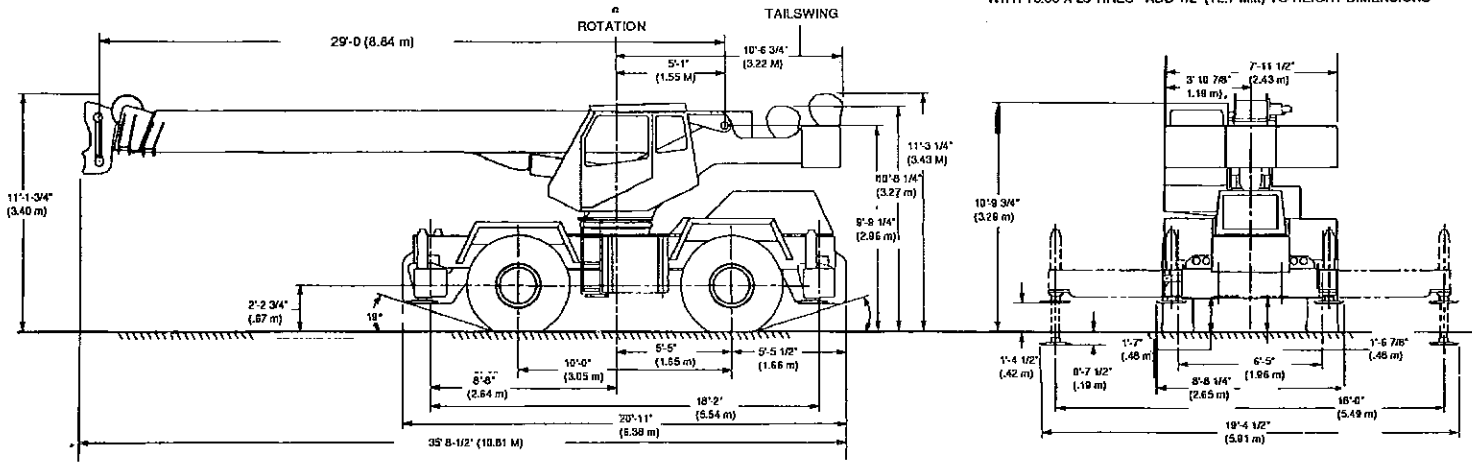
**CHART  
19**

DESCRIPTION		HOOK BLOCK ON POWERED BOOM POINT					
		WITHOUT HOOK BLOCK ON BOOM POINT	5 TON	10-28 TON	5 TON WITH AUXILIARY SHEAVE	10-28 TON WITH AUXILIARY SHEAVE	
HOOK BLOCK WEIGHT		-----	150	550	250	650	
HOISTING LOAD FROM POWERED BOOM	25 FT. LATTICE EXTENSION	STOWED	-----	200	600	300	700
		ERECTED ONLY	-----	1200	1600	1300	1700
		5 TON BLOCK	-----	1450	1850	1550	1950
		10 TON BLOCK	-----	1850	2250	1950	2350
	25.5 FT. LATTICE EXTENSION	STOWED	-----	250	650	350	750
		ERECTED ONLY	-----	2050	2450	2150	2550
5 TON BLOCK		-----	2300	2700	2400	2800	
35.5 FT. LATTICE EXTENSION	ERECTED ONLY	-----	2250	2650	2350	2750	
	5 TON BLOCK	-----	2550	2950	2650	3050	
42.5 FT. LATTICE EXTENSION	ERECTED ONLY	-----	2450	2850	2550	2950	
	5 TON BLOCK	-----	2800	3200	2900	3300	
14.5 FT. JIB	STOWED	-----	300	700	400	800	
	ERECTED ONLY	-----	800	1200	900	1300	
HOISTING LOAD FROM EXTENSION OR JIB	25 FT. LATTICE EXTENSION	5 TON BLOCK	150	250	500	300	550
		10 TON BLOCK	350	450	700	500	750
	25.5 FT. LATTICE EXTENSION	5 TON BLOCK	150	250	500	300	550
		10 TON BLOCK	350	450	700	500	750
	35.5 FT. LATTICE EXTENSION	5 TON BLOCK	150	250	450	300	500
10 TON BLOCK		350	450	650	500	700	
42.5 FT. LATTICE EXTENSION	5 TON BLOCK	150	250	450	300	450	
	10 TON BLOCK	350	450	650	500	650	
14.5 FT. JIB	5 TON BLOCK	150	250	550	300	600	
	10 TON BLOCK	350	450	750	500	800	

**NOTE: LOAD DEDUCTIONS APPLY ONLY TO P&H SUPPLIED EQUIPMENT**

**Dimensions**

DIMENSIONS ARE WITH STANDARD TIRE SIZE - 20.5 x 25  
WITH 16:00 X 25 TIRES - ADD 1/2" (12.7 mm) TO HEIGHT DIMENSIONS



	TIRES	
	20.5X25	16:00 X 25
VEHICLE TURNING DIAMETER - 4 WHEEL STEER	35' - 4" (10.67 m)	38' - 4" (11.68 m)
- FRONT AXLE STEER	63' - 1" (19.23 m)	69' - 10" (21.29 m)
VEHICLE CLEARANCE DIAMETER - 4 WHEEL STEER	39' - 10" (12.14 m)	43' - 1" (13.13 m)
- FRONT AXLE STEER	67' - 10" (22.65 m)	74' - 6" (22.70 m)

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. 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.



**Address Inquiries to:**



Century II, Inc. - P.O. Box 260002  
Conway, SC 29526-2602  
Phone: 803-349-6900