

Address inquiries to

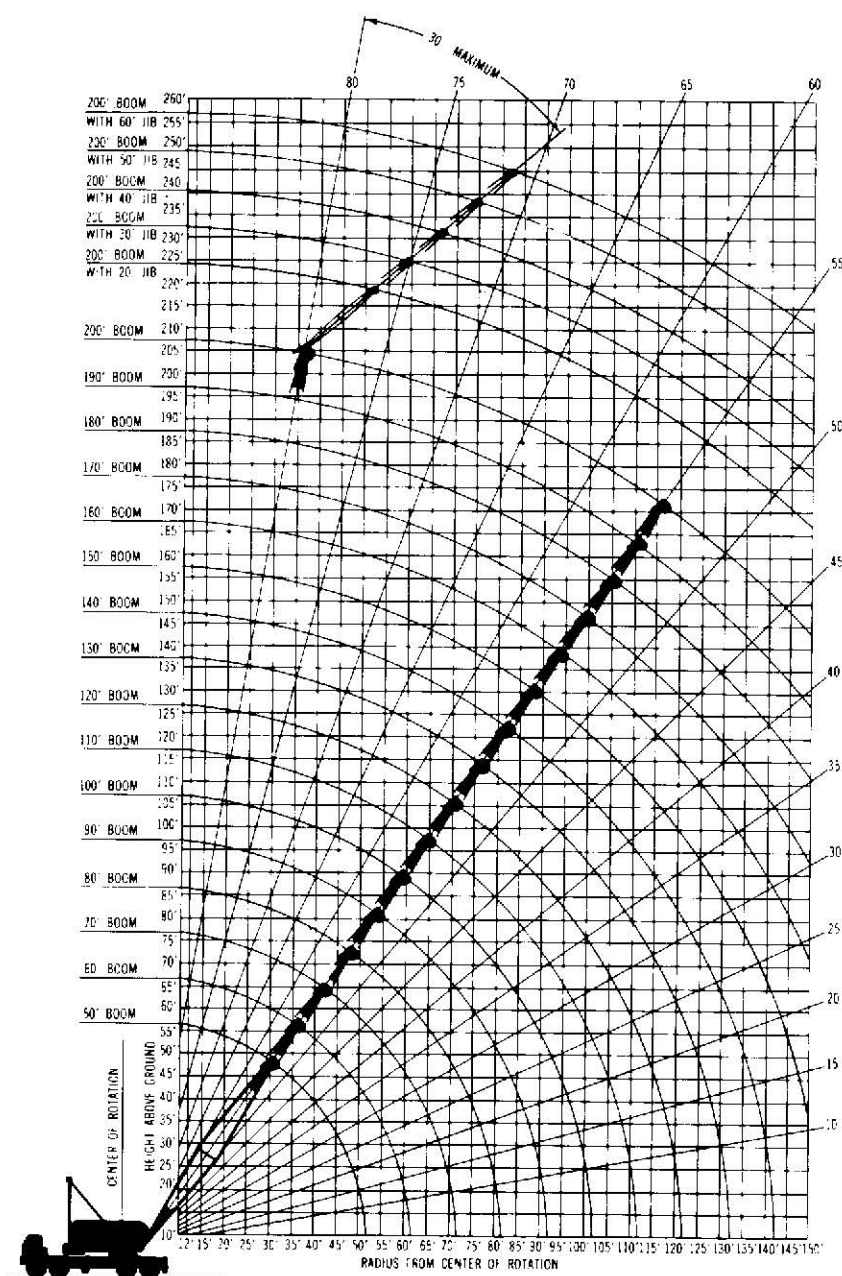
NOTE: All designs, specifications and components of the equipment described above are subject to change at the manufacturer's sole discretion at any time without advance notice. Data published herein is informational in nature and shall not be construed to warrant suitability of the machine for any particular purpose as performance may vary with the conditions encountered. The only warranty applicable is our standard written warranty for this machine. Manufactured and sold in conformance with U. S. Department of Commerce Commercial Standard CS-90-58.

Harnischfeger
P&H
milwaukee, wisconsin 53204

P&H[®] 790-TC

For reference only.
Operators manual should be consulted and adhered to.

90-ton Truck Crane 200' Boom 180' Boom 60' Jib



Heavy Duty
Standard Boom
62" wide x 62" deep

This Brochure
contains charts for:

Standard Ratings

- On Outriggers
- On Rubber

Over the Rear Ratings

- On Outriggers for Heavy Rigging
- On Rubber "Walking" Ratings for Tilt-up Work

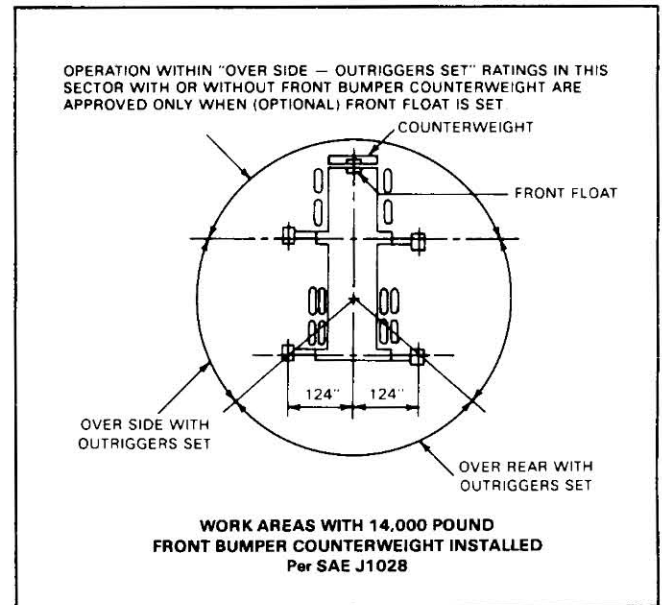
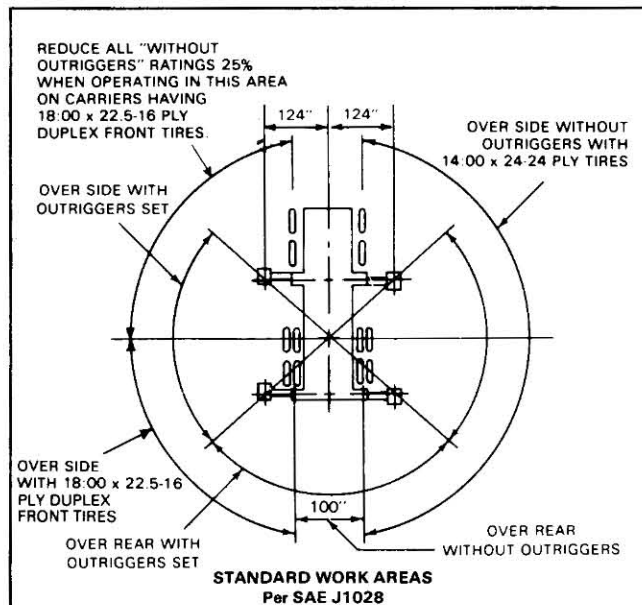
crane

**lifting capacities
working ranges**

P&H 790-TC

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**THIS P&H MODEL
790-TC MEETS
THE REQUIREMENTS OF
ANSI B30.5-1968.
BOOM STRUCTURE
HAS BEEN TESTED PER
SAE J987.
MACHINE STABILITY
HAS BEEN TESTED
PER SAE J765.**



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RATED CRANE LOADS IN POUNDS — MAIN BOOM — WITHOUT OUTRIGGERS — TIRES AT 100 P.S.I.																																				
Oper. Rad. Ft.	50 Ft. Boom			Angle	60 Ft. Boom			Angle	70 Ft. Boom			Angle	80 Ft. Boom			Angle	90 Ft. Boom			Angle	100 Ft. Boom			Angle	110 Ft. Boom			Angle	120 Ft. Boom			Angle	130 Ft. Boom			Oper. Rad. Ft.
	Angle	Over Side	Over Rear		Over Side	Over Rear	Over Side		Over Rear	Over Side	Over Rear		Over Side	Over Rear	Over Side		Over Rear	Over Side	Over Rear		Over Side	Over Rear	Over Side		Over Rear	Over Side	Over Rear		Over Side	Over Rear	Over Side		Over Rear	Over Side	Over Rear	
12	82		85,000																													12				
15	78		70,500																									RATINGS SHOWN DO NOT EXCEED MANUFACTURER'S APPROVED TIRE CAPACITY.					15			
20	72		53,600	75	42,200	52,600	78	42,100	52,400																							20				
25	66	34,900	39,700	70	34,700	39,500	73	34,600	39,300	75	33,800	39,100	77	33,000	38,800	78	32,700	38,500															25			
30	60	26,700	31,600	65	26,500	31,400	69	26,300	31,200	72	26,100	31,000	74	25,900	30,700	75	25,700	30,400	77	25,400	30,100	78	25,200	29,900								30				
35	53	21,400	25,800	60	21,200	25,600	64	21,000	25,400	68	20,800	25,200	70	20,600	25,000	72	20,400	24,800	74	20,200	24,500	75	19,900	24,300	77	19,700	24,000					35				
40	45	18,100	21,800	54	17,900	21,600	60	17,700	21,400	64	17,500	21,200	67	17,300	21,000	69	17,100	20,800	71	16,900	20,500	73	16,600	20,300	74	16,400	20,000					40				
45	36	15,600	18,700	48	15,400	18,500	55	15,200	18,300	60	15,000	18,100	64	14,800	17,900	66	14,600	17,700	69	14,400	17,500	70	14,100	17,200	72	13,900	17,000					45				
50	24	13,700	16,100	41	13,500	15,900	50	13,300	15,700	56	13,100	15,500	60	12,900	15,300	63	12,700	15,100	66	12,500	14,900	68	12,200	14,600	70	12,000	14,400					50				
60				22	10,200	12,400	38	10,000	12,200	46	9,700	11,900	52	9,500	11,700	56	9,200	11,400	60	9,000	11,200	63	8,700	10,900	63	8,500	10,700					60				
70							20	7,800	9,700	35	7,500	9,500	43	7,300	9,200	49	7,000	9,000	54	6,800	8,700	57	6,500	8,500	60	6,300	8,200					70				
80										19	5,900	7,600	33	5,700	7,400	41	5,400	7,100	47	5,200	6,900	51	4,900	6,600	55	4,700	6,400					80				
90													18	4,500	5,900	31	4,200	5,700	39	4,000	5,400	45	3,700	5,200	49	3,500	4,900					90				
100																17	3,300	4,600	30	3,000	4,300	37	2,800	4,100	43	2,500	3,800					100				

Welding or other repair to tubular steel boom may weaken the structure. See your P&H dealer for authorized boom repair service, unauthorized boom repair will void all warranties.

MAIN HOIST DRUM RATED LOADS FOR SEVEN-EIGHTS INCH DIA. P&H TYPE 4 WIRE ROPE										
Number of Parts of Main Hoist Reeving	1	2	3	4	5	6	7	8	9	10
Maximum Load — Lbs.	18,000	36,000	54,000	72,000	90,000	108,000	126,000	144,000	162,000	180,000
Low gear-operation may be required when front or rear drum is operated on 6th or 7th layer of cable.										

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consulted and adhered to.

32R65-C

Boom Length Ft.	INSERT ARRANGEMENT* For 62" Wide x 62" Deep Boom Only
90	BASE — A — C — TIP
100	BASE — C — B — TIP
110	BASE — A — C — B — TIP
120	BASE — D — B — TIP
130	BASE — C — D — TIP
140	BASE — A — C — D — TIP
150	BASE — B — C — D — TIP
160	BASE — A — B — C — D — TIP
170	BASE — B — D — D — TIP
180	BASE — C — D — D — TIP
190	BASE — D — A — C — D — TIP
200	BASE — B — C — D — D — TIP

BASE SECTION IS 25 FT.; TIP SECTION IS 25 FT.
 INSERTS: A = 10 FT.; B = 20 FT.; C = 30 FT.; D = 50 FT.

*ONE SPECIFIED INSERT MAY BE REPLACED BY TWO SHORTER INSERTS WITHOUT REDUCING RATINGS

NOTE: For loads of 88,000 lbs. or less, maximum swing area is 50 inches from longitudinal centerline of carrier at all operating radii with 125 P.S.I. tire pressure. For loads of 74,400 lbs. or less, maximum swing area is 50 inches from longitudinal centerline of carrier at all operating radii with 100 P.S.I. tire pressure.

MAIN HOIST DRUM RATED LOADS FOR SEVEN-EIGHTHS INCH DIA. P&H TYPE 4 WIRE ROPE										
Number of Parts of Main Hoist Reeving	1	2	3	4	5	6	7	8	9	10
Maximum Load - Lbs.	18,000	36,000	54,000	72,000	90,000	108,000	126,000	144,000	162,000	180,000