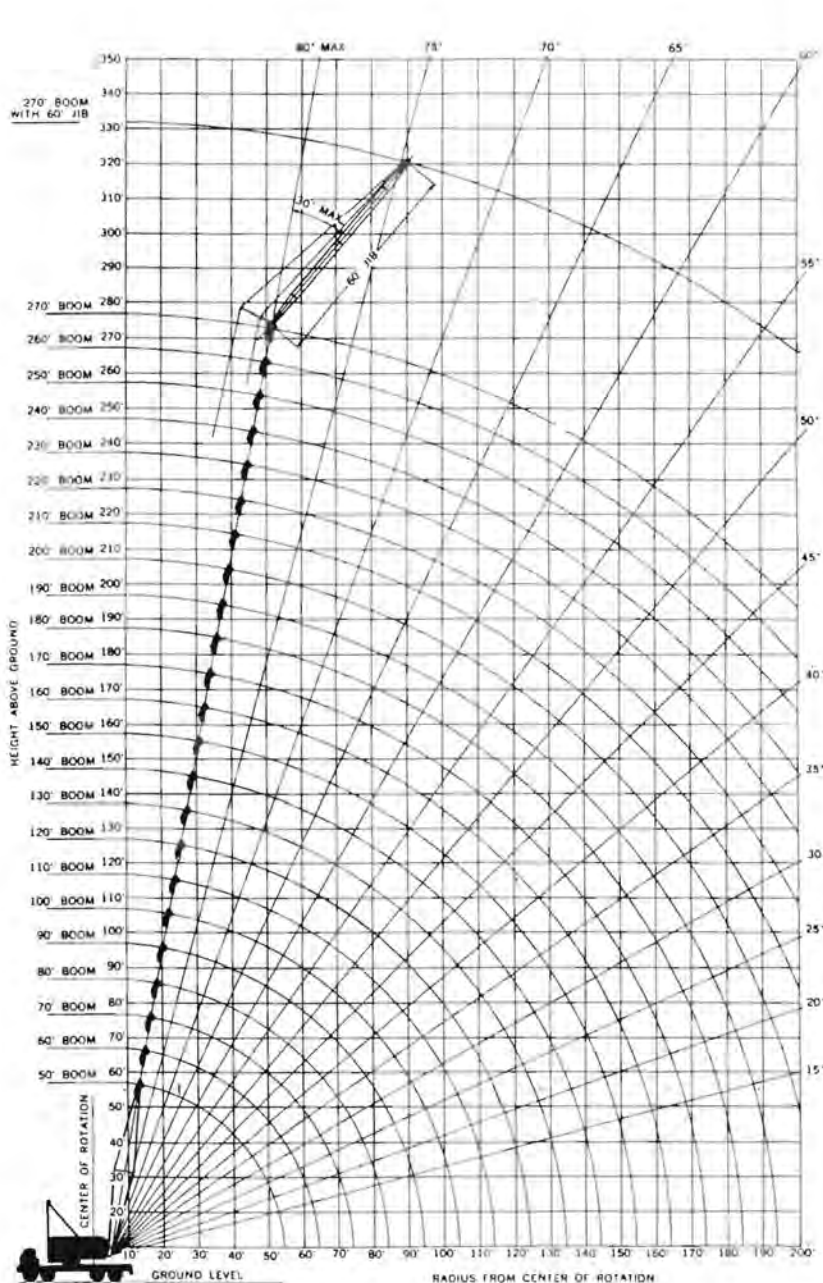


P&H® 9125-TC

140-ton Truck Crane 270' boom, 60' jib



2.2 (APPROX.)
2 1/2 & 5 PARTS
HOIST LINE



5.2 (APPROX.)
2 & 3 PARTS
HOIST LINE



3.3 1/2 MAGNET
3.9 45 MAGNET

Your versatile P & H 9125-TC adapts readily to your special operating needs through a choice of counterweights and boom tips. This brochure contains these crane rating charts:

Heavy and Light Duty Tapered Tip Boom:

1. 41,000 lbs. counterweight — on outriggers
50 to 250 foot boom lengths
2. 41,000 lbs. counterweight — on rubber
50 to 130 foot boom lengths
3. 41,000 lbs. counterweight plus 14,000 lbs.
front bumper counterweight — special
over-rear on rubber — for "tilt-up" work
50 to 100 foot boom lengths
4. 62,000 lbs. counterweight — on outriggers
50 to 270 foot boom lengths
5. 62,000 lbs. counterweight plus 14,000 lbs.
front bumper counterweight — over-rear
only — on outriggers — for heavy rigging
50 to 180 foot boom lengths

Special Container Tip Boom:

6. 62,000 lbs. counterweight — on outriggers
120 to 160 foot boom lengths

Hammerhead Tip Boom:

7. 41,000 lbs. counterweight — on outriggers
40 to 180 foot boom lengths
8. 62,000 lbs. counterweight — on outriggers
40 to 180 foot boom lengths
9. 41,000 lbs. counterweight — on rubber
40 to 130 foot boom lengths

Jib Ratings

All boom combinations except container

**Standard
69" wide x 69" deep
Boom**

crane

**lifting capacities
working ranges**

P&H 9125-TC

the nine charts in this brochure illustrate the range and lifting prowess that has made the 9125-TC the "standard of the industry", the most widely used crane in its class

PCSA CLASS 12-613

1 rated crane loads in pounds — main boom (69" w. x 69" d.) in over side

Oper Rad. Ft.	Angle	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	
		Boom Pt. El.	Rating Lbs.		Boom Pt. El.	Rating Lbs.		Boom Pt. El.	Rating Lbs.		Boom Pt. El.	Rating Lbs.		Boom Pt. El.	Rating Lbs.		Boom Pt. El.	Rating Lbs.		Boom Pt. El.	Rating Lbs.		Boom Pt. El.	Rating Lbs.
12	81	58.0	280,000																					
15	78	57.5	210,500	80	67.6	196,000																		
20	72	56.2	165,200	75	66.6	164,900	77	76.8	164,600															
25	66	54.3	127,000	70	65.1	127,300	73	75.6	127,300	75	85.8	127,200	77	96.3	127,100	78	106.5	127,000						
30	60	52.0	94,200	65	63.1	94,500	69	74.1	94,400	71	84.2	94,300	73	94.6	94,100	75	104.2	94,000	77	115.7	93,800	78	126.0	93,600
35	53	48.6	74,500	59	60.1	74,800	64	71.6	74,700	67	82.2	74,600	70	93.1	74,400	72	103.8	74,200	74	114.4	74,000	75	124.4	73,800
40	45	44.0	61,300	54	57.1	61,600	59	68.6	61,400	64	80.6	61,300	67	91.5	61,100	69	102.1	60,900	71	112.6	60,700	73	123.4	60,400
45	36	37.0	51,800	47	52.5	52,200	55	66.0	52,000	59	77.2	51,900	63	88.8	51,700	66	100.1	51,500	68	110.6	51,300	70	121.4	51,100
50	24	28.0	44,600	40	48.2	44,900	49	61.4	44,700	55	74.1	44,600	60	86.6	44,400	63	97.7	44,200	65	108.3	44,000	68	120.0	43,700
60				22	30.9	34,900	37	50.6	34,800	46	66.1	34,500	52	79.6	34,300	56	91.5	34,100	60	104.0	33,800	62	114.6	33,600
70							20	33.4	28,000	35	54.4	27,800	43	70.0	27,600	49	84.1	27,500	53	96.4	27,500	57	109.2	27,500
80										19	34.4	23,600	32	58.0	23,400	41	74.1	23,100	47	89.1	22,900	51	101.8	22,600
90													17	35.8	19,800	31	59.9	19,500	39	77.7	19,300	44	93.3	18,900
100																17	37.5	16,600	30	63.4	16,400	37	80.6	16,100
110																			16	38.8	14,200	28	66.1	13,800
120																						15	41.1	12,000
130																								
140																								
150																								
160																								
170																								
180																								
190																								
200																								

RATINGS ABOVE HEAVY LINE ARE LIMITED BY FACTORS OTHER THAN STABILITY.

RATINGS AT 20 FT. OPERATING RADIUS OR LESS REQUIRES THE USE OF 25 FT. TIP SECTION WITH 5 SHEAVES.

RATINGS LISTED FOR BOOMS 60 FT. AND LONGER ARE BASED ON THE USE OF A 35 FT. TIP SECTION. WHEN USING BOOMS WITH A 25 FT. TIP SECTION, 60 FT. TO 250 FT. LONG, RATINGS GREATER THAN 20 FEET MUST BE REDUCED BY 1000 POUNDS

WARNING: MAXIMUM RATING FOR 35 FT. 3 SHEAVE TIP IS 150,000 LBS.

WARNING: WHEN BOOM IS EQUIPPED WITH JIB, MAIN HOOK RATING MUST BE REDUCED TO COMPENSATE FOR JIB ATTACHMENT WEIGHT

JIB LENGTH 20 FT. 30 FT. 40 FT. 50 FT. 60 FT.

DEDUCT — LBS. 1,500 1,500 2,000 2,500 3,000

WARNING: When operating crane "without outriggers" loads lifted over rear and swung over side, will increase in radius due to tire deflection. This increase in radius must be compensated for by raising boom, or machine may tip over.

2 rated crane loads in pounds — main boom — without outriggers

Oper Rad. Ft.	Angle	50 Ft. Boom		Angle	60 Ft. Boom		Angle	70 Ft. Boom		Angle	80 Ft. Boom		Angle	90 Ft. Boom		Angle	100 Ft. Boom	
		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	81		75,228															
15	78		63,984	80		63,234												
20	72	41,652	50,844	75	40,994	50,156	77	40,643	49,787									
25	66	33,689	41,876	70	33,068	41,229	73	32,738	40,884	75	32,384	40,516	77	31,763	39,869	78	31,392	39,485
30	60	28,066	34,300	65	27,471	34,764	69	27,156	34,437	71	26,817	34,085	73	26,222	33,488	75	25,863	33,098
35	53	23,885	28,100	59	23,309	28,800	64	23,005	28,700	67	22,677	28,500	70	22,102	28,200	72	21,751	27,900
40	45	20,654	23,700	54	20,094	24,400	59	19,798	24,200	64	19,478	24,000	67	18,918	23,700	69	18,575	23,400
45	36	18,083	20,200	47	17,535	20,900	55	17,246	20,800	59	16,933	20,600	63	16,385	20,300	66	16,047	20,000
50	24	15,700	17,600	40	15,451	18,300	49	15,167	18,100	55	14,860	17,900	60	14,321	17,600	63	13,988	17,300
60				22	12,260	14,300	37	11,985	14,100	46	11,686	13,900	52	11,162	13,600	56	10,836	13,300
70							20	9,664	11,400	35	9,371	11,100	43	8,858	10,800	49	8,536	10,500
80										19	7,608	9,100	32	7,103	8,800	41	6,785	8,500
90													17	5,722	7,250	31	5,407	6,900
100																17	4,295	5,700

maxim

with 41,000 lbs. counterweight

Boom Over	Wt.
Boom Over	Wt.
Boom Over	Wt.
Side	200
Rear	210
Side	210
Rear	220

..... and over rear work areas with outriggers fully extended and set

Oper. Rad. Ft.	Angle	130 Ft. Boom Boom Pt. El. Rating Lbs.	140 Ft. Boom Boom Pt. El. Rating Lbs.	150 Ft. Boom Boom Pt. El. Rating Lbs.	160 Ft. Boom Boom Pt. El. Rating Lbs.	170 Ft. Boom Boom Pt. El. Rating Lbs.	180 Ft. Boom Boom Pt. El. Rating Lbs.	190 Ft. Boom Boom Pt. El. Rating Lbs.	200 Ft. Boom Boom Pt. El. Rating Lbs.
12									
15									
20									
25									
30									
35	77	135.3	73,600	77	145.0	73,400	78	155.3	73,200
40	74	133.6	60,300	75	143.9	60,000	76	154.1	59,800
45	72	132.1	50,900	73	142.4	50,700	74	152.8	50,500
50	69	130.1	43,600	71	141.1	43,400	72	151.4	43,200
60	65	126.5	33,500	67	136.6	33,200	68	147.7	32,900
70	60	121.2	27,500	62	132.2	27,300	64	143.5	27,000
80	54	114.0	22,600	57	126.1	22,300	60	138.6	22,000
90	49	106.6	18,900	52	120.0	18,600	55	131.5	18,300
100	43	97.1	16,000	47	111.0	15,800	50	124.8	15,500
110	36	84.9	13,800	41	104.3	13,500	45	114.5	13,200
120	27	67.4	11,900	34	88.2	11,700	40	104.9	11,300
130	15	41.7	10,400	26	70.7	10,100	33	90.1	9,800
140				14	43.7	8,850	25	73.2	8,500
150							14	44.4	7,400
160							13	44.1	6,200
170							13	46.3	5,000
180							13	48.6	4,150
190							12	49.4	3,200
200							12	49.7	2,25

This chart does not apply for booms equipped with a container tip or hammerhead tip section. Refer to applicable chart for ratings.

special over re

..... tires at 100 p.s.i.

Oper. Rad. Ft.	Angle	110 Ft. Boom		Angle	120 Ft. Boom		Angle	130 Ft. Boom	
		Over Side	Over Rear		Over Side	Over Rear		Over Side	Over Rear
12		RATINGS SHOWN DO NOT EXCEED							
15		MAXIMUM APPROVED TIRE CAPACITY							
20									
25									
30	77	25,268	32,480	78	25,126	32,335			
35	74	21,176	27,600	75	21,037	27,200	77	20,664	27,100
40	71	18,014	23,100	73	17,877	22,700	74	17,512	22,600
45	68	15,498	19,600	70	15,363	19,300	72	15,004	19,100
50	65	13,449	16,900	68	13,315	16,600	69	12,960	16,400
60	60	10,312	13,000	62	10,180	12,600	65	9,832	12,500
70	53	8,023	10,200	57	7,893	9,800	60	7,551	9,700
80	47	6,280	8,150	51	6,152	7,800	54	5,813	7,650
90	39	4,909	6,550	44	4,781	6,250	49	4,445	6,050
100	30	3,801	5,350	37	3,674	5,000	43	3,341	4,800

*Maximum travel speed with lifted load is 1.5 m.p.h.

3 rated crane loads

OPER. RAD. FT.	ANGLE	50 FT. BOOM BOOM PT. EL. RATING LBS.
12	81	58.0
13	80	57.8
15	78	57.5
17	76	57.1
20	72	56.2
25	66	54.3
30	60	52.0
35	53	48.6
40	45	44.0
45	36	37.8

Maximum boom length to lift off ground

MAXIMUM BOOM LENGTH TO LIFT OFF GROUND				
Without Front Bumper Counterweight			With 30,000 Lbs. Front Bumper Counterweight and Outriggers Set*	
Outriggers Set	Without Outriggers Set			
Boom & Jib	Boom Only	Boom & Jib	Boom Only	Boom & Jib
25 FT. TIP SECTION WITH 3 SHEAVES				
180 + 50	130	110 + 30	200	180 + 50
190 + 30	130	120 + 20	250	230 + 60
35 FT. TIP SECTION WITH 2 SHEAVES				
180 + 60	130	110 + 30	210	190 + 60
200 + 40	130	120 + 20	250	250 + 60

Maximum approved travel speed with 30,000 pound front bumper counterweight installed is 5 m.p.h. All tires must be evenly inflated to 100 P.S.I. Maximum approved boom length for travel is 130 ft. or 110 ft. boom and 30 ft. jib. Boom must be positioned over rear of carrier. Gantry must be in raised position to travel with boom attached.

*Front bumper counterweight is not an operating counterweight — is used only to erect boom over the rear without load.

210 Ft. Boom			220 Ft. Boom			230 Ft. Boom			240 Ft. Boom			250 Ft. Boom			Oper Rad. Ft.
Angle	Boom Pt. El.	rating Lbs.	Angle	Boom Pt. El.	Rating Lbs.	Angle	Boom Pt. El.	Rating Lbs.	Angle	Boom Pt. El.	Rating Lbs.	Angle	Boom Pt. El.	Rating Lbs.	
80 FT. LONG AND GANTRY MUST BE IN THE INTERMEDIATE POSITION															12
															15
MIDPOINT SUSPENSION (CENTER HITCH) REQUIRED FOR BOOMS OVER 200 FT. LONG															20
															25
															30
															35
BOOM LENGTHS OVER 200 FT. WITH A 35 FT. TIP SECTION REQUIRES A 2 SHEAVE POINT															40
															45
77	213.3	42,800	78	223.7	40,600	79	234.4	36,400							50
75	211.5	32,200	76	222.1	32,100	76	231.7	31,700	77	242.5	31,500	77	252.1	26,100	60
72	208.3	26,200	73	218.8	26,100	73	228.6	25,700	74	239.4	25,500	75	250.1	25,200	70
69	204.7	21,100	70	215.5	20,900	71	226.2	20,600	72	236.6	20,400	73	247.6	20,200	80
66	200.3	17,200	67	211.1	17,000	68	221.8	16,800	69	232.6	16,500	70	243.6	16,300	90
63	196.0	14,300	64	206.2	14,100	65	217.1	13,800	67	229.6	13,500	67	240.0	13,400	100
60	190.3	11,900	61	201.1	11,700	63	213.6	11,400	64	224.4	11,200	65	235.2	11,000	110
57	184.8	10,000	58	195.1	9,800	60	208.0	9,500	61	218.6	9,250	62	229.5	9,050	120
53	176.5	8,400	55	188.8	8,200	57	201.4	7,900	58	212.3	7,650	60	225.1	7,450	130
50	169.3	7,050	52	182.1	6,850	54	194.6	6,600	56	207.6	6,300	57	218.1	6,100	140
46	159.5	5,900	48	174.1	5,700	51	187.4	5,450	53	200.0	5,150	54	212.4	4,950	150
42	150.3	4,950	45	164.6	4,700	47	178.6	4,450	50	192.5	4,150	52	205.6	3,950	160
38	137.8	4,050	41	154.1	3,800	44	168.5	3,550	46	182.1	3,300	49	197.0	3,050	170
33	124.2	3,300	37	141.6	3,050	40	156.3	2,800	43	172.1	2,550	45	187.2	2,500	180
28	107.0	2,650	33	127.3	2,400	36	145.0	2,150							190
21	85.5	2,050													200

32R202A

NOTE: OPERATION OF THIS EQUIPMENT IN EXCESS OF LOAD RATINGS AND DISREGARD OF INSTRUCTIONS VOIDS THE WARRANTY.

Maximum boom length to lift off ground on rubber with 41,000 lbs. counterweight and 14,000 lbs. front bumper counterweight*

Maximum boom length to lift off ground — main boom — over rear — without outriggers

60 FT. BOOM		ANGLE	70 FT. BOOM		ANGLE	80 FT. BOOM		ANGLE	90 FT. BOOM		ANGLE	100 FT. BOOM		OPER. RAD. FT.
BOOM PT. EL.	RATING LBS.		BOOM PT. EL.	RATING LBS.		BOOM PT. EL.	RATING LBS.		BOOM PT. EL.	RATING LBS.		BOOM PT. EL.	RATING LBS.	
														12
														13
67.6	96,200													15
67.3	83,100	80	77.5	82,800										17
66.6	68,800	77	76.8	68,500	79	87.1	68,100	80	97.2	67,500				20
65.1	53,100	73	75.6	52,800	75	85.8	52,400	77	96.3	51,900	78	106.5	51,500	25
63.1	42,900	69	74.1	42,600	71	84.2	42,200	73	94.6	41,700	75	104.2	41,400	30
60.1	35,800	64	71.6	35,500	67	82.2	35,100	70	93.1	34,600	72	103.8	34,200	35
57.1	30,500	59	68.6	30,200	64	80.6	29,900	67	91.5	29,300	69	102.1	29,000	40
52.5	26,400	55	66.0	26,100	59	77.2	25,800	63	88.8	25,300	66	100.1	24,900	45

32U940

PCSA CLASS 12-749

4 rated crane loads in pounds — main boom (69" w. x 69" d.) in over side a

Oper Rad. Ft.	Angle	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	
		Boom Pt. El.	Rating Lbs.		Boom Pt. El.	Rating Lbs.		Boom Pt. El.	Rating Lbs.		Boom Pt. El.	Rating Lbs.		Boom Pt. El.	Rating Lbs.		Boom Pt. El.	Rating Lbs.		Boom Pt. El.	Rating Lbs.		Boom Pt. El.	Rating Lbs.
12	81	58.0	280,000																					
15	78	57.5	220,800	80	67.6	196,000																		
20	72	56.2	174,300	75	66.6	174,000	77	76.8	168,500															
25	66	54.3	138,360	70	65.1	137,900	73	75.6	137,600	75	85.8	137,300	77	96.3	136,800	78	106.5	132,200						
30	60	52.0	114,400	65	63.1	114,700	69	74.1	114,600	71	84.2	114,500	73	94.6	114,300	75	104.2	114,100	77	115.7	113,900	78	126.0	106,600
35	53	48.6	90,700	59	60.1	91,000	64	71.6	90,800	67	82.2	90,700	70	93.1	90,500	72	103.8	90,300	74	114.4	90,100	75	124.4	89,800
40	45	44.0	74,900	54	57.1	75,200	59	68.6	75,000	64	80.6	74,900	67	91.5	74,700	69	102.1	74,500	71	112.6	74,200	73	123.4	74,000
45	36	37.0	63,500	47	52.5	63,800	55	66.0	63,600	59	77.2	63,400	63	88.8	63,300	66	100.1	63,000	69	110.6	62,800	70	121.4	62,500
50	24	28.0	55,100	40	48.2	55,400	49	61.4	55,100	55	74.1	55,000	60	86.6	54,800	63	97.7	54,600	65	108.3	54,400	68	120.0	54,100
60				22	30.9	43,400	37	50.6	43,100	46	66.1	43,000	52	79.6	42,800	56	91.5	42,500	60	104.0	42,300	62	114.6	42,000
70							20	33.4	35,100	35	54.4	35,000	43	70.0	34,800	49	84.1	34,500	53	96.4	34,300	57	109.2	34,000
80										19	34.4	29,200	32	58.0	29,000	41	74.1	28,700	47	89.1	28,500	51	101.8	28,100
90													17	35.8	25,200	31	59.9	24,900	39	77.7	24,700	44	93.3	24,400
100																17	37.5	21,400	30	63.4	21,200	37	80.6	20,900
110																			16	38.8	18,500	28	66.1	18,100
120																						15	41.1	15,900
130																								
140																								
150																								
160																								
170																								
180																								
190																								
200																								

RATINGS ABOVE HEAVY LINE ARE LIMITED BY FACTORS OTHER THAN STABILITY.

RATINGS AT 20 FT. OR LESS REQUIRE USE OF A 25 FT. TIP SECTION WITH 5 SHEAVES.

RATINGS LISTED FOR BOOMS 60 FT. AND LONGER ARE BASED ON THE USE OF A 35 FT. TIP SECTION. WHEN USING BOOMS WITH 25 FT. SECTION, 60 FT. TO 250 FT. LONG; RATINGS BELOW HEAVY LINE AND GREATER THAN 25 FT. OPERATING RADIUS, DEDUCT 1000 LBS.

WARNING: WHEN BOOM IS EQUIPPED WITH JIB, MAIN HOOK RATING MUST BE REDUCED TO COMPENSATE FOR JIB ATTACHMENT WEIGHT.

WARNING: MAXIMUM RATING FOR 35 FT. 3 SHEAVE TIP IS 150,000 LBS.

JIB LENGTH	20 FT.	30 FT.	40 FT.	50 FT.	60 FT.
DEDUCT — LBS.	1,500	1,500	2,000	2,500	3,000

WARNING: Machine will tip over when upper is revolved over side unless outriggers are fully extended and set.

PCSA CLASS 12-834

5 rated crane loads in pounds — main boom (69" w. x 69" d.) in over

OPER. RAD. FT.	Angle	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	
		Boom Pt. El.	Rating Lbs.		Boom Pt. El.	Rating Lbs.		Boom Pt. El.	Rating Lbs.		Boom Pt. El.	Rating Lbs.		Boom Pt. El.	Rating Lbs.		Boom Pt. El.	Rating Lbs.		Boom Pt. El.	Rating Lbs.		Boom Pt. El.	Rating Lbs.
12	82	58.2	280,000																					
15	79	57.7	220,800	81	67.8	196,000																		
20	73	56.5	174,300	76	66.8	174,000	78	77.1	168,500															
25	66	54.6	138,360	71	65.4	137,900	73	75.6	137,600	76	86.2	137,300	77	96.5	136,800	78	106.7	132,200						
30	60	52.1	114,400	65	63.4	114,700	69	74.2	114,600	72	84.8	114,500	74	95.2	114,300	76	105.6	114,100	77	115.8	113,900	78	126.1	106,600
35	53	48.8	90,700	59	60.6	91,000	65	72.1	91,000	68	83.0	90,500	71	93.6	90,000	73	104.2	89,500	74	114.6	89,000	76	124.9	88,500
40	45	44.4	74,900	54	57.5	75,200	60	69.4	75,000	64	80.8	74,900	67	91.7	74,700	69	102.5	74,500	72	113.1	74,200	73	123.6	74,000
45	36	38.5	63,500	46	53.5	63,800	55	63.3	63,400	60	78.1	63,000	64	89.4	62,500	68	100.8	62,000	71	111.3	61,500	71	121.9	61,000
50	28	29.7	55,100	41	48.3	55,400	50	62.4	55,000	56	75.0	54,800	60	86.8	54,600	63	98.1	54,400	66	109.2	54,200	68	120.0	53,900
60				23	31.7	43,400	38	51.8	43,100	45	66.8	42,800	52	80.0	42,500	57	92.3	42,300	60	104.1	42,000	63	115.5	41,600
70							27	33.6	35,100	35	55.1	34,900	44	70.9	34,700	49	84.7	34,500	54	97.5	34,300	57	109.7	34,000
80										20	33.3	32,700	33	58.1	32,500	41	74.8	32,300	47	89.2	32,100	51	102.8	31,800
90													20	39.8	27,600	33	62.6	27,400	40	79.8	27,200	46	94.4	26,900
100																19	41.5	24,100	31	85.4	23,900	38	93.1	23,700
110																			18	43.1	20,800	30	88.1	20,600
120																						18	44.8	18,100

RATINGS ABOVE HEAVY LINE ARE LIMITED BY FACTORS OTHER THAN STABILITY.

RATINGS AT 20 FT. OR LESS REQUIRE USE OF A 25 FT. TIP SECTION WITH 5 SHEAVES.

RATINGS LISTED FOR BOOMS 60 FT. AND LONGER ARE BASED ON THE USE OF A 35 FT. TIP SECTION. WHEN USING BOOMS WITH 25 FT. SECTION, 60 FT. TO 250 FT. LONG; RATINGS BELOW HEAVY LINE AND GREATER THAN 25 FT. OPERATING RADIUS, DEDUCT 1000 LBS.

WARNING: WHEN BOOM IS EQUIPPED WITH JIB, MAIN HOOK RATING MUST BE REDUCED TO COMPENSATE FOR JIB ATTACHMENT WEIGHT.

JIB LENGTH	20 FT.	30 FT.	40 FT.	50 FT.	60 FT.
DEDUCT — LBS.	1,500	1,500	2,000	2,500	3,000

with 62,000 lbs. counterweight

(ratings shown are based on a counterweight of 41,000 lbs. and 21,000 lbs. bustle counterweight)

and over rear work areas with outriggers fully extended and set

Angle	130 Ft. Boom		Angle	140 Ft. Boom		Angle	150 Ft. Boom		Angle	160 Ft. Boom		Angle	170 Ft. Boom		Angle	180 Ft. Boom		Angle	190 Ft. Boom		Angle	200 Ft. Boom		Oper. Rad. Ft.
	Boom Pt. El.	Rating Lbs.		Boom Pt. El.	Rating Lbs.		Boom Pt. El.	Rating Lbs.		Boom Pt. El.	Rating Lbs.		Boom Pt. El.	Rating Lbs.		Boom Pt. El.	Rating Lbs.		Boom Pt. El.	Rating Lbs.		Boom Pt. El.	Rating Lbs.	
																								12
																								15
																								20
																								25
																								30
7	135.3	89,700	77	145.0	86,400	78	155.3	78,800																35
4	133.6	73,800	75	143.9	73,600	76	154.1	73,400	77	164.6	69,400	78	174.9	64,100	79	185.3	61,300							40
2	132.1	62,400	73	142.4	62,100	74	152.8	61,900	75	163.1	61,600	76	173.6	60,900	77	184.1	56,400	78	194.3	58,400	79	204.1	51,500	45
9	130.1	54,000	71	141.1	53,700	72	151.4	53,500	73	161.6	53,200	74	172.1	53,000	75	182.6	52,300	76	193.0	53,500	77	203.4	49,900	50
5	126.5	41,900	67	136.6	41,700	68	147.7	41,400	69	158.0	41,100	71	169.3	40,800	72	179.7	40,600	73	190.2	41,100	74	201.1	40,800	60
0	121.2	33,900	62	132.2	33,600	64	143.5	33,300	66	154.6	33,000	67	165.1	32,700	69	177.6	32,500	70	187.1	32,800	71	197.8	32,500	70
4	114.0	28,000	57	126.1	27,400	60	138.6	27,400	62	150.1	27,400	64	161.5	27,300	65	171.7	27,300	67	183.6	27,300	68	194.1	27,300	80
9	106.6	24,300	52	120.0	24,000	55	131.5	23,700	58	144.2	23,500	60	155.8	23,200	62	167.6	23,000	63	178.1	23,100	65	190.1	22,900	90
3	97.1	20,800	47	111.0	20,600	50	124.8	20,300	53	136.3	20,000	56	148.6	19,700	58	161.1	19,500	60	173.1	19,600	61	183.6	19,300	100
6	84.9	18,100	41	104.3	17,800	45	114.5	17,500	49	129.3	17,200	52	142.6	16,900	54	154.1	16,800	56	166.2	16,700	58	178.2	16,400	110
7	67.4	15,800	34	88.2	15,600	40	104.9	15,200	44	119.7	15,000	47	133.0	14,700	50	146.5	14,500	53	160.2	14,400	55	172.5	14,100	120
5	41.7	14,000	26	70.7	13,700	33	90.1	13,400	38	106.8	13,100	42	122.4	12,800	46	138.1	12,600	49	152.0	12,500	51	163.9	12,200	130
			14	43.7	12,200	25	73.2	11,800	32	93.1	11,500	37	110.9	11,200	41	126.6	11,000	44	142.2	10,900	47	155.0	10,600	140
						14	44.4	10,500	24	73.4	10,200	31	96.1	9,850	36	114.3	9,700	40	130.5	9,500	43	146.3	9,200	150
									13	44.1	9,050	24	77.5	8,700	30	98.4	8,550	35	117.5	8,300	39	134.5	8,000	160
												13	46.3	7,700	23	78.7	7,550	29	102.0	7,300	34	120.3	6,950	170
															13	48.6	6,650	22	81.5	6,350	29	105.3	6,050	180
																		12	49.4	5,550	22	83.3	5,250	190
																					12	49.7	4,500	200

32R201

with 62,000 lbs. counterweight and 14,000 lbs. front bumper counterweight

Maximum approved travel speed with 14,000 pound front bumper counterweight installed is 5 m.p.h.

rear work areas with outriggers fully extended and set

Angle	130 FT. BOOM		Angle	140 FT. BOOM		Angle	150 FT. BOOM		Angle	160 FT. BOOM		Angle	170 FT. BOOM		Angle	180 FT. BOOM		Oper. Rad. Ft.
	Boom Pt. El.	Rating Lbs.		Boom Pt. El.	Rating Lbs.		Boom Pt. El.	Rating Lbs.		Boom Pt. El.	Rating Lbs.		Boom Pt. El.	Rating Lbs.		Boom Pt. El.	Rating Lbs.	
																		12
																		15
																		20
																		25
																		30
																		35
77	135.2	92100	78	145.5	89400	79	155.7	77800										40
74	134.0	81700	76	144.3	80600	77	154.6	74100	77	164.9	69400	78	175.1	63100	79	185.3	60300	45
72	132.5	69100	73	142.9	68800	75	153.3	68500	76	163.7	65900	77	174.0	59900	78	184.2	55400	50
70	130.8	59600	71	141.4	59300	73	151.9	59000	74	162.3	58700	75	172.7	57400	76	183.0	51300	60
68	126.6	46300	67	137.6	46300	69	148.4	46000	70	159.0	45700	71	169.6	45500	72	180.2	43200	70
60	121.4	37700	62	132.6	37400	64	144.0	37100	66	155.0	36800	68	165.9	36600	69	176.7	36300	80
50	115.0	31400	58	127.0	31000	60	138.7	30800	62	149.2	30400	64	161.4	30200	66	172.4	29800	90
44	108.0	27200	53	120.8	26900	56	133.1	26700	58	143.0	26400	60	153.6	26200	62	166.0	25800	100
37	96.5	23500	48	112.5	23100	51	125.7	22900	54	138.3	22600	56	150.5	22400	58	162.3	22100	110
28	86.5	20400	42	102.3	20100	46	116.0	19900	49	130.0	19500	52	143.3	19300	55	155.7	19100	120
17	70.6	18000	35	89.7	17800	40	106.1	17400	45	120.9	17000	48	134.8	16900	51	148.1	16800	130
	48.1	15800	27	75.1	15300	34	92.8	15300	38	109.7	15000	43	124.9	14800	46	139.2	14500	140
			16	47.8	13900	26	75.4	13600	32	95.8	13300	38	113.1	13100	42	128.8	12800	150
						16	48.9	12100	28	77.7	11800	32	98.7	11600	37	116.5	11300	160
									15	50.2	10900	25	79.9	10300	31	101.4	10100	170
												15	51.5	9200	24	82.0	8900	180
															14	52.7	8000	190

32R254

with 15 ft. hammer

7 rated crane loads in pounds — main boom (69" w. x 69" d.) in over

Oper. Rad. Ft.	Angle	40 Ft. Boom		Angle	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				
		Boom Pt. El.	Rating Lbs.		Boom Pt. El.	Rating Lbs.		Boom Pt. El.	Rating Lbs.		Boom Pt. El.	Rating Lbs.		Boom Pt. El.	Rating Lbs.		Boom Pt. El.	Rating Lbs.		Boom Pt. El.	Rating Lbs.		Boom Pt. El.	Rating Lbs.	Boom Pt. El.	Rating Lbs.	
12	82	48.9	280,000								RATINGS WITHIN THIS BOX ARE LIMITED BY STRENGTH OF MATERIALS.																
15	78	48.5	230,500	80	58.6	207,000	82	68.7	192,000																		
20	71	47.4	170,500	75	57.7	165,200	77	68.0	164,900	79	78.1	165,000															
25	63	45.5	118,900	69	56.3	118,600	72	66.8	118,300	75	77.1	118,000	77	87.4	117,700	78	97.6	117,400	79	107.7	117,100						
30	55	42.6	87,900	62	54.2	87,500	67	65.1	87,200	71	75.7	86,900	73	86.1	86,600	75	96.5	86,300	77	106.7	86,000	78	117.0	85,700			
35	45	38.4	68,600	56	51.3	68,300	62	62.8	68,000	66	73.8	67,700	69	84.6	67,400	72	95.1	67,100	74	105.5	66,800	75	115.8	66,500			
40	33	32.1	56,300	48	47.4	56,000	56	60.0	55,700	62	71.5	55,400	66	82.6	55,100	68	93.4	54,800	71	104.0	54,500	72	114.5	54,200			
45				40	42.3	47,500	50	56.3	47,200	57	68.6	46,900	62	80.2	46,600	65	91.3	46,300	68	102.2	46,000	70	112.9	45,700			
50				30	34.8	40,750	44	51.7	40,450	52	65.1	40,150	57	77.3	39,850	61	88.9	39,550	64	100.0	39,250	67	110.9	38,950			
60							27	37.2	30,900	40	55.5	30,600	48	69.8	30,300	54	82.6	30,000	58	94.7	29,700	61	106.2	29,400			
70										25	39.3	25,000	38	59.0	24,700	45	74.2	24,400	51	87.6	24,100	55	100.1	23,800			
80													23	41.3	20,350	35	62.3	20,050	43	78.2	19,750	48	92.2	19,450			
90																22	43.2	16,650	34	65.3	16,350	41	82.0	16,050			
100																			20	45.0	13,800	32	68.2	13,500			
110																						19	46.6	11,100			
120																											
130																											
140																											
150																											
160																											
170																											
180																											

with 15 ft. hammer

8 rated crane loads in pounds — main boom (69" w. x 69" d.) in over

[illegible]

This chart does not apply for booms equipped with a container tip or hammerhead tip section. Refer to applicable chart for ratings.

Oper. Rad. Ft.	Angle	210 Ft. Boom		Angle	220 Ft. Boom		Angle	230 Ft. Boom		Angle	240 Ft. Boom		Angle	250 Ft. Boom		Angle	260 Ft. Boom		Angle	270 Ft. Boom		Oper. Rad. Ft.
		Boom Pt. El.	Rating Lbs.		Boom Pt. El.	Rating Lbs.		Boom Pt. El.	Rating Lbs.		Boom Pt. El.	Rating Lbs.		Boom Pt. El.	Rating Lbs.		Boom Pt. El.	Rating Lbs.		Boom Pt. El.	Rating Lbs.	
12																						12
15																						15
20																						20
25																						25
30																						30
35																						35
40																						40
45																						45
50	77	213.3	45,700	78	223.7	40,600	79	234.4	36,400													50
60	75	211.5	40,600	76	222.1	39,400	76	231.7	35,300	77	242.5	31,600	77	252.1	26,100	78	262.8	24,300				60
70	72	208.3	32,300	73	218.8	32,100	73	228.6	31,800	74	239.4	30,500	75	250.1	25,200	76	260.6	23,500	76	270.6	20,300	70
80	69	204.7	27,200	70	215.5	27,100	71	226.2	26,800	72	236.6	26,600	73	247.6	24,300	73	257.4	22,600	74	268.1	19,400	80
90	66	200.3	22,600	67	211.1	22,500	68	221.8	22,200	69	232.6	21,900	70	243.6	21,800	71	254.6	21,500	72	265.4	18,700	90
100	63	195.0	19,100	64	206.2	18,900	65	217.1	18,600	67	229.6	18,300	67	240.0	18,200	68	249.6	17,900	69	261.1	17,600	100
110	60	190.3	16,200	61	201.1	16,000	63	213.6	15,700	64	224.4	15,500	65	235.2	15,300	66	245.8	15,000	67	257.1	14,700	110
120	57	184.8	13,900	58	195.1	13,700	60	208.0	13,400	61	218.6	13,200	62	229.5	13,000	64	242.6	12,700	65	253.5	12,400	120
130	53	176.5	12,000	55	188.8	11,800	57	201.4	11,500	58	212.3	11,200	60	225.1	11,000	61	236.1	10,700	62	247.1	10,400	130
140	50	169.3	10,400	52	182.1	10,100	54	194.6	9,900	56	207.6	9,600	57	218.1	9,400	59	231.6	9,100	60	242.6	8,800	140
150	46	159.5	9,000	48	174.1	8,750	51	187.4	8,500	53	200.0	8,200	54	212.4	8,000	56	224.1	7,700	57	235.6	7,400	150
160	42	150.3	7,800	45	164.6	7,550	47	178.6	7,300	50	192.5	7,000	52	205.6	6,800	53	216.1	6,500	55	229.6	6,200	160
170	38	137.8	6,750	41	154.1	6,500	44	168.5	6,250	46	182.1	6,000	49	197.0	5,750	50	207.5	5,450	52	221.6	5,150	170
180	33	124.2	5,850	37	141.6	5,550	40	156.3	5,300	43	172.1	5,050	45	187.2	4,800	47	197.5	4,550	50	215.2	4,200	180
190	28	107.0	5,000	33	127.3	4,750	36	145.0	4,500	39	161.4	4,250	42	175.6	4,000	44	189.1	3,700	47	206.3	3,400	190
200	21	85.5	4,300	27	109.8	4,050	31	130.2	3,800	35	148.3	3,500	39	165.8	3,250	41	175.5	3,000	44	196.4	2,650	200

32R201

WARNING: When assembling boom inserts, do not cantilever more than 60 ft. of inserts past point of pendant rope attachment to boom. Relocate point of attachment out on boom as additional inserts are added.

MAXIMUM BOOM LENGTH TO LIFT OFF GROUND ON OUTRIGGERS ONLY				
Over	Without Front Bumper Counterweight		With 30,000 lbs. Front Bumper Counterweight	
	Boom Only	Boom & Jib	Boom Only	Boom & Jib
25 Ft. Tip Section with 5 Sheaves				
Side	230	200 + 60	230	200 + 60
Rear	230	200 + 60	250	250 + 60
35 Ft. Tip Section with 2 Sheaves				
Side	240	210 + 60	240	210 + 60
Rear	240	210 + 60	270	270 + 60

25 FT. TIP SECTION							
BOOM LENGTH FT.	BOOM MAKE-UP ARRANGEMENT CHART	APPROX. INSERT LENGTHS	BOOM LENGTH FT.	APPROXIMATE MID-POINT CONNECTION UP BOOM FROM BOOM FOOT PIN			
				ADJUST 908T116 MID-POINT ROPE LENGTH Q_1 TO Q_2 PIN, TO			
				*MID POINT DEFLECTION RANGE (MIN. and MAX.)		BOOM MAKE-UP ARRANGEMENT	
				FT.-IN	INCHES		
100	Base - B - C - Tip	Base-25	210	105	79-2	10.5 to 13.5	Base - A - B - D - C - D - Tip
110	Base - A - B - C - Tip		220	115	89-0	10.75 to 14.25	Base - B - B - D - C - D - Tip
120	Base - B - D - Tip	A-10	230	125	98-6	11.5 to 15.0	Base - D - D - C - D - Tip
130	Base - C - D - Tip		240	115	89-0	11.75 to 15.5	Base - A - C - D - D - D - Tip
140	Base - A - C - D - Tip	B-20	250	125	99-0	12.25 to 16.0	Base - B - C - D - D - D - Tip
150	Base - B - C - D - Tip						
160	Base - A - B - C - D - Tip	C-30					
170	Base - B - D - D - Tip						
180	Base - C - D - D - Tip	D-50					
190	Base - A - C - D - D - Tip						
200	Base - B - C - D - D - Tip	Tip-25					

*When erecting boom, adjust mid-point turnbuckles to limit mid-point deflection within specified mid-point deflection range.

with 25 ft. container tip and 62,000 lbs. counterweight

6 rated crane loads in pounds — main boom — in over side and over rear work areas with outriggers fully extended and set

Oper Rad. Ft.	Angle	120 Ft. Boom		Angle	130 Ft. Boom		Angle	140 Ft. Boom		Angle	150 Ft. Boom		Angle	160 Ft. Boom	
		Boom Pt. El.	Rating Lbs.		Boom Pt. El.	Rating Lbs.		Boom Pt. El.	Rating Lbs.		Boom Pt. El.	Rating Lbs.		Boom Pt. El.	Rating Lbs.
30	78	126'-0"	101,800												
35	75	124'-5"	83,100	77	135'-4"	82,800	77	145'-0"	82,500	78	155'-4"	76,600			
40	73	123'-4"	71,500	74	133'-8"	71,200	75	143'-11"	70,900	76	154'-2"	70,600	77	164'-7"	66,200
45	70	121'-4"	60,600	72	132'-6"	60,300	73	142'-5"	60,000	74	152'-10"	59,700	75	163'-2"	59,400
50	68	120'-0"	51,950	69	130'-1"	51,650	71	141'-1"	51,350	72	151'-5"	51,050	73	161'-8"	50,750
60	62	114'-8"	39,950	65	126'-6"	39,650	67	136'-8"	39,350	68	147'-9"	39,050	69	158'-0"	38,750
70	57	109'-3"	32,700	60	121'-3"	32,400	62	132'-3"	32,100	64	143'-7"	31,800	66	154'-8"	31,500
80	51	101'-10"	27,150	54	114'-0"	26,850	57	126'-1"	26,550	60	138'-8"	26,250	62	150'-1"	25,950
90	44	93'-4"	22,850	49	106'-8"	22,550	52	120'-0"	22,250	55	131'-6"	21,950	58	144'-2"	21,650
100	37	80'-8"	18,400	43	97'-2"	18,100	47	111'-0"	17,800	50	124'-10"	17,500	53	136'-4"	17,200
110	28	66'-2"	16,200	36	84'-11"	15,900	41	100'-4"	15,600	45	114'-6"	15,300	49	129'-4"	15,000
120	15	41'-2"	14,100	27	67'-5"	13,800	34	88'-3"	13,500	40	104'-11"	13,200	44	119'-9"	12,900
130				15	41'-9"	12,100	26	70'-9"	11,800	33	90'-2"	11,500	38	106'-10"	11,200
140							14	43'-9"	10,400	25	73'-3"	10,100	32	93'-2"	9,800
150										14	44'-5"	7,880	24	73'-5"	7,380
160													13	44'-1"	6,500

32R220

Ratings apply to full 360° operation when front float is in place, otherwise only over sides and rear.

Use insert arrangement as shown in Boom Make-Up Chart for 25 ft. Tip Section.

Gantry must be in raised position for all operating conditions.

Travel speed in excess of 5 M.P.H. with machine counterweight and bumper counterweight exceeds tire manufacturers load ratings.

SINGLE DRUM OPERATION					
Parts of Line	1	2	3	4	
Max. Load-Pounds	25,500	51,000	76,500	102,000	
P&H TYPE 25 WIRE ROPE 1 INCH DIA.					
DOUBLE DRUM OPERATION					
Parts of Line	1	2	3	4	Loads Per Drum Equals Loading Required
Max. Load-Pounds	10,500	21,000	31,500	42,000	

P&H SINGLE SHEAVE BLOCK	790 LBS.
P&H TWO SHEAVE BLOCK	840 LBS.

WARNING: When machine is equipped with 62,000 lbs. of counterweight, machine will tip over when upper is revolved over the side unless outriggers are fully extended and set.

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

35 FT. TIP SECTION							
BOOM LENGTH FT.	BOOM MAKE-UP ARRANGEMENT CHART	APPROX. INSERT LENGTHS FT.	BOOM LENGTH FT.	APPROXIMATE MID-POINT CONNECTION UP BOOM FROM BOOM FOOT PIN			
				ADJUST 908T116 MID-POINT ROPE LENGTH, Q_1 TO Q_2 PIN, TO			
				*MID-POINT DEFLECTION RANGE (MIN. and MAX.)			
				FT. IN.	INCHES	BOOM MAKE-UP ARRANGEMENT	
100	Base - A - C - Tip	Base-25	210	105	79-6	10.5 to 13.5	Base - D - C - B - D - Tip
110	Base - B - C - Tip		220	105	78-11	10.75 to 14.25	Base - A - B - D - C - D - Tip
120	Base - A - B - C - Tip		230	125	98-8	11.5 to 15.0	Base - D - D - B - D - Tip
130	Base - B - D - Tip	A-10	240	125	98-8	11.75 to 15.5	Base - D - D - C - D - Tip
140	Base - C - D - Tip		250	115	89-6	12.25 to 16.0	Base - A - C - D - D - D - Tip
150	Base - A - C - D - Tip		260	125	98-8	13.0 to 17.0	Base - B - C - D - D - D - Tip
160	Base - B - C - D - Tip	B-20	270	135	108-11	13.5 to 17.5	Base - A - B - C - D - D - D - Tip
170	Base - A - B - C - D - Tip						
180	Base - B - D - D - Tip						
190	Base - C - D - D - Tip	C-30					
200	Base - A - C - D - D - Tip						

*When erecting boom, adjust mid-point turnbuckles to limit mid-point deflection within specified mid point deflection range.

head tip section and 41,000 lbs. counterweight

side and over rear work areas with outriggers fully extended and set

m	Angle	120 Ft. Boom		Angle	130 Ft. Boom		Angle	140 Ft. Boom		Angle	150 Ft. Boom		Angle	160 Ft. Boom		Angle	170 Ft. Boom		Angle	180 Ft. Boom		Oper. Rad. Ft.
		Boom Pt. El.	Rating Lbs.		Boom Pt. El.	Rating Lbs.		Boom Pt. El.	Rating Lbs.		Boom Pt. El.	Rating Lbs.		Boom Pt. El.	Rating Lbs.		Boom Pt. El.	Rating Lbs.		Boom Pt. El.	Rating Lbs.	
																						12
																						15
																						20
																						25
																						30
																						35
00	79	127.1	85,400																			
00	76	126.1	66,200	77	136.4	65,900	78	146.6	65,600	79	156.7	65,300										
00	74	124.9	53,900	75	135.2	53,600	76	145.5	53,300	77	155.7	53,000	78	166.0	52,700	79	176.1	52,400	79	186.3	52,100	40
00	71	123.4	45,400	73	133.9	45,100	74	144.2	44,800	75	154.6	44,500	76	164.9	44,200	77	175.1	43,900	78	185.3	43,600	45
50	69	121.7	38,650	71	132.3	38,350	72	142.8	38,050	73	153.2	37,750	74	163.6	37,450	75	173.9	37,150	76	184.2	36,850	50
00	64	117.4	29,100	66	128.4	28,800	68	139.3	28,500	69	150.0	28,200	71	160.6	27,900	72	171.1	27,600	73	181.6	27,300	60
00	58	112.0	23,500	61	123.5	23,200	63	134.8	22,900	65	145.9	22,600	67	156.8	22,300	68	167.6	22,000	69	178.3	21,700	70
50	52	105.2	19,150	56	117.5	18,850	59	129.3	18,550	61	140.9	18,250	63	152.2	17,950	65	163.3	17,650	66	174.3	17,350	80
50	46	96.6	15,750	50	110.0	15,450	54	122.7	15,150	56	134.8	14,850	59	146.6	14,550	61	158.2	14,250	62	169.5	13,950	90
00	39	85.6	13,200	44	100.7	12,900	48	114.6	12,600	52	127.6	12,300	54	140.1	12,000	57	152.2	11,700	59	164.0	11,400	100
00	30	70.9	11,100	37	89.0	10,800	42	104.7	10,500	47	119.0	10,200	50	132.4	9,900	53	145.2	9,600	55	157.5	9,300	110
	19	48.2	9,500	29	73.5	9,200	36	92.3	8,900	41	108.5	8,600	45	123.2	8,300	48	136.9	8,000	51	150.0	7,700	120
				18	49.8	7,950	28	76.1	7,650	35	95.5	7,350	40	112.1	7,050	44	127.2	6,750	47	141.3	6,450	130
							17	51.2	6,850	27	78.5	6,350	34	98.5	6,050	38	115.6	5,750	42	131.2	5,450	140
										17	52.7	5,400	26	80.8	5,100	32	101.4	4,800	37	119.0	4,500	150
													16	54.0	4,250	25	83.0	3,950	32	104.3	3,650	160
																15	55.3	3,130	25	85.2	2,830	170
																			15	56.6	2,100	180

32R15

WARNING: When machine is equipped with 62,000 lbs. of counterweight, machine will tip over when upper is revolved over the side unless outriggers are fully extended and set.

head tip section and 62,000 lbs. counterweight

side and over rear work areas with outriggers fully extended and set

m	Angle	120 Ft. Boom		Angle	130 Ft. Boom		Angle	140 Ft. Boom		Angle	150 Ft. Boom		Angle	160 Ft. Boom		Angle	170 Ft. Boom		Angle	180 Ft. Boom		Oper. Rad. Ft.
		Boom Pt. El.	Rating Lbs.		Boom Pt. El.	Rating Lbs.		Boom Pt. El.	Rating Lbs.		Boom Pt. El.	Rating Lbs.		Boom Pt. El.	Rating Lbs.		Boom Pt. El.	Rating Lbs.		Boom Pt. El.	Rating Lbs.	
																						12
																						15
																						20
																						25
																						30
																						35
0	79	127.1	100,800																			
0	76	126.1	82,100	77	136.4	81,800	78	146.6	81,500	79	156.7	79,400										
0	74	124.9	70,500	75	135.2	70,200	76	145.5	69,900	77	155.7	69,600	78	166.0	69,300	79	176.1	64,200	79	186.3	59,300	40
0	71	123.4	59,600	73	133.9	59,300	74	144.2	59,000	75	154.6	58,700	76	164.9	58,400	77	175.1	58,100	78	185.3	57,800	45
0	69	121.7	50,950	71	132.3	50,650	72	142.8	50,350	73	153.2	50,050	74	163.6	49,750	75	173.9	49,450	76	184.2	49,150	50
0	64	117.4	38,950	66	128.4	38,650	68	139.3	38,350	69	150.0	38,050	71	160.6	37,750	72	171.1	37,450	73	181.6	37,150	60
0	58	112.0	31,700	61	123.5	31,400	63	134.8	31,100	65	145.9	30,800	67	156.8	30,500	68	167.6	30,200	69	178.3	29,900	70
0	52	105.2	26,150	56	117.5	25,850	59	129.3	25,550	61	140.9	25,250	63	152.2	24,950	65	163.3	24,650	66	174.3	24,350	80
0	46	96.6	21,850	50	110.0	21,550	54	122.7	21,250	56	134.8	20,950	59	146.6	20,650	61	158.2	20,350	62	169.5	20,050	90
0	39	85.6	17,400	44	100.7	17,100	48	114.6	16,800	52	127.6	16,500	54	140.1	16,200	57	152.2	15,900	59	164.0	15,600	100
0	30	70.9	15,200	37	89.0	14,900	42	104.7	14,600	47	119.0	14,300	50	132.4	14,000	53	145.2	13,700	55	157.5	13,400	110
0	19	48.2	13,100	29	73.5	12,800	36	92.3	12,500	41	108.5	12,200	45	123.2	11,900	48	136.9	11,600	51	150.0	11,300	120
				18	49.8	11,100	28	76.1	10,800	35	95.5	10,500	40	112.1	10,200	44	127.2	9,900	47	141.3	9,600	130
							17	51.2	9,400	27	78.5	9,100	34	98.5	8,800	38	115.6	8,500	42	131.2	8,200	140
										17	52.7	6,680	26	80.8	6,380	32	101.4	6,080	37	119.0	5,780	150
													16	54.0	5,500	25	83.0	5,200	32	104.3	4,900	160
																15	55.3	4,170	25	85.2	3,870	170
																			15	56.6	2,960	180

32R15

with 15 ft. hammerhead tip section and 41,000 lbs. counterweight

9 rated crane loads in pounds — main boom — without outriggers — tires at

Oper. Rad. Ft.	Angle	40 Ft. Boom		Angle	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	
		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		74,758																								
15	78		63,464	80		62,984	82		61,234																		
20	71	41,048	50,268	75	40,652	49,844	77	38,994	48,156	79	38,643	47,787															
25	63	33,051	41,261	69	32,689	40,876	72	31,068	39,229	75	30,738	38,884	77	30,384	38,516	78	29,763	37,869	79	29,392	37,485						
30	55	27,403	33,600	62	27,066	33,300	67	25,471	32,764	71	25,156	32,437	73	24,817	32,085	75	24,222	31,468	77	23,863	31,098	78	23,268	30,480	79	23,126	30
35	45	23,204	27,400	56	22,885	27,100	62	21,309	26,800	66	21,005	26,700	69	20,677	26,500	72	20,102	26,200	74	19,751	25,900	75	19,176	25,600	76	19,037	25
40	33	19,960	23,000	48	19,654	22,700	56	18,094	22,400	62	17,798	22,200	66	17,478	22,000	68	16,918	21,700	71	16,575	21,400	72	16,014	21,100	74	15,877	20
45				40	17,083	19,200	50	15,535	18,900	57	15,246	18,800	62	14,933	18,600	65	14,385	18,300	68	14,047	18,000	70	13,498	17,600	71	13,383	17
50				30	14,700	16,600	44	13,451	16,300	52	13,167	16,100	57	12,860	15,900	61	12,321	15,600	64	11,988	15,300	67	11,449	14,900	69	11,316	14
60							27	10,260	12,300	40	9,985	12,100	48	9,686	11,300	54	9,162	11,000	58	8,836	10,300	61	8,312	11,000	64	6,180	10
70										25	7,664	9,400	38	7,371	9,100	45	6,858	8,800	51	6,536	8,500	55	6,032	8,200	58	5,893	7
80													23	5,608	7,100	35	5,163	6,800	43	4,781	6,500	48	4,280	6,150	52	4,162	5
90																22	3,722	5,250	34	3,407	4,900	41	2,909	4,550	46	2,791	4
100																			20	2,295	3,700	32	1,801	3,350	39	1,674	3

RATINGS SHOWN DC
MAXIMUM APPROVED

WARNING: When operating crane "without outriggers" loads lifted over rear and swung over side, will increase in radius due to tire deflection. This increase in radius must be compensated for by raising boom, or machine may tip over.

MAXIMUM BOOM LENGTH TO LIFT OFF GROUND				
Boom Over	With Outriggers Set		Without Outriggers Set	
	Boom Only	Boom & Jib	Boom Only	Boom & Jib
With 41,000 Lbs. Counterweight				
Side	180	170 + 50	120	100 + 30
Rear	180	180 + 30	130	110 + 20
With 62,000 Lbs. Counterweight				
Side	180	180 + 60	Not Approved	
Rear	180	180 + 60		

Maximum approved boom length for travel is 130 ft. < 110 ft. boom and 20 ft. jib. All tires must be evenly inflated to 100 P.S.I. Boom must be positioned over rear of carrier. Gantry must be in raised position to travel with boom attached.

This rating plate applies only for booms equipped with 15 ft. hammerhead tip section.

WARNING: When assembling boom inserts, do not cantilever more than 60 ft. of inserts past point of pendant rope attachment to boom. Relocate point of attachment out on boom as additional inserts are added.

15 FT. HAMMERHEAD TIP BOOM MAKE-UP ARRANGEMENT CHART	
Boom Length Ft.	BOOM ARRANGEMENT
	Base Length = 25 ft.; Tip Length = 15 ft. Inserts: A=10 ft.; B=20 ft.; C=30 ft.; D=50 ft.
100	Base - A - B - C - Tip
110	Base - B - D - Tip
120	Base - C - D - Tip
130	Base - A - C - D - Tip
140	Base - B - C - D - Tip
150	Base - A - B - C - D - Tip
160	Base - B - D - D - Tip
170	Base - C - D - D - Tip
180	Base - A - C - D - D - Tip

WARNING

Using this equipment in excess of rated loads, in areas of chart not rated, or with disregard of instructions will result in unsafe operating conditions and is a violation of the U.S. Dept. of Labor, Safety and Health regulations for construction.

reeving data,

100 p.s.i.

m	Angle	130 Ft. Boom	Oper
er		Over	Rad
er	Side	Rear	Fl.
NOT EXCEED			12
WIRE CAPACITY			15
			20
			25
35			30
00	77	18,664	25,100
00	75	15,512	20,600
00	73	13,004	17,100
00	71	10,960	14,400
00	66	7,832	10,500
50	61	5,551	7,700
00	56	3,813	5,650
50	50	2,445	4,050
00	44	1,341	2,800

32R15

MAIN HOIST DRUM RATED LOADS FOR ONE INCH DIA. P & H TYPE 25 WIRE ROPE					
Number of Parts of Main Hoist Reeving	1	2	3	4	5
Maximum Load - lbs.	27,800	55,600	83,400	111,200	139,000
Number of Parts of Main Hoist Reeving	6	7	8	9	10
Maximum Load - lbs.	166,800	184,600	222,400	250,000	280,000

RECOMMENDED WIRE ROPE LENGTH FOR DRUMS — FT.					
BOOM LENGTH FT.	MAIN HOIST DRUM	JIB HOIST DRUM	BOOM LENGTH FT.	MAIN HOIST DRUM	JIB HOIST DRUM
40	510	225	160	680	570
50	640	245	170	720	600
60	685	270	180	760	630
70	630	300	190	800	660
80	620	330	200	840	690
90	595	360	210	665	720
100	655	390	220	695	750
110	715	420	230	725	780
120	775	450	240	755	810
130	700	480	250	785	840
140	750	510	260	815	865
150	800	540	270	565	685

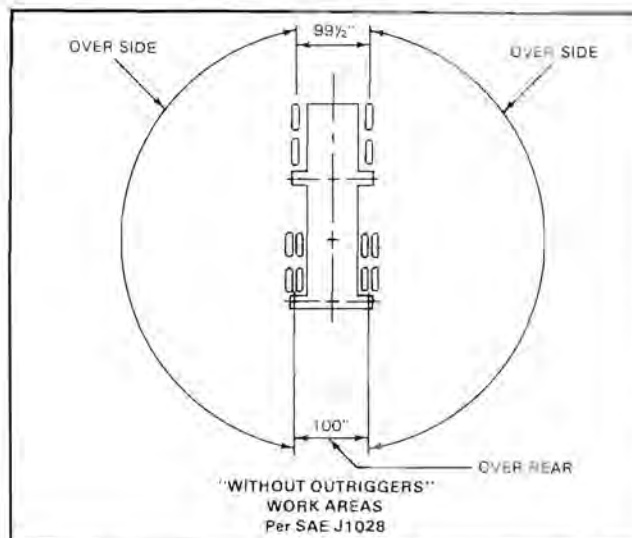
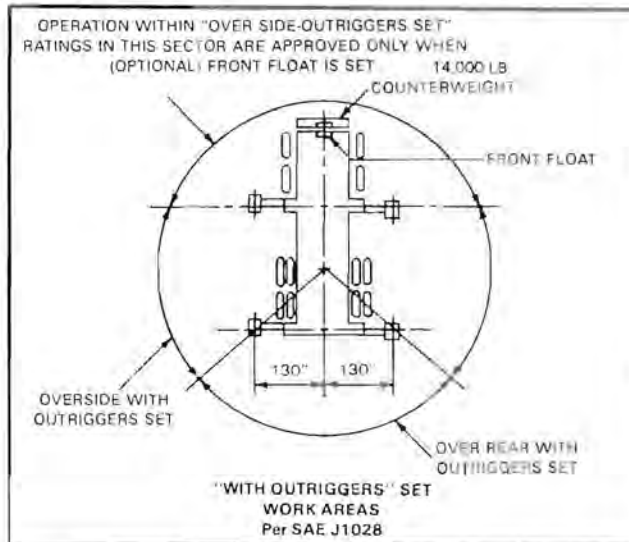
jib ratings

MAXIMUM JIB (29" W. x 29" D.) RATINGS FOR LIFTING CRANE SERVICE—LBS.					
ONE INCH DIA. P&H TYPE 25 WIRE ROPE					
*Use Two Parts of Line for Loads Above 25,000 Lbs.					
Offset Angle Jib to Boom Under Full Load	20 Ft. Jib	30 Ft. Jib	40 Ft. Jib	50 Ft. Jib	60 Ft. Jib
10°	30,000*	20,000	16,000	13,000	10,700
20°	25,000	18,000	14,500	11,600	9,800
30° Max.	23,000	17,000	13,500	11,000	9,300
MAXIMUM JIB RATINGS FOR BUCKET SERVICE—LBS.					
10°	24,000	16,000	12,800	10,400	8,560
20°	20,000	14,400	11,600	9,280	7,840
20° Max.	18,400	13,600	10,800	8,800	7,440

Jib Crane Ratings are based on strength of materials. When main boom load rating at operating radius is less than maximum jib ratings, stability governs and the lower value of main boom load rating must be used. Jibs are intended to increase lifting height — not operating radius — therefore, maximum jib operating radius is limited to maximum rated radius of boom length on which jib is mounted.

Locate jib backstay anchor at base end of first insert below boom tip section.

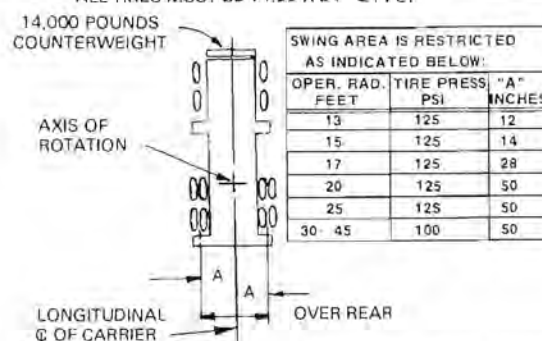
AREAS OF OPERATION



Machine must be on a firm, level, supporting surface. All tires must be 14:00x24—24 ply inflated to: see chart below. Load must be restrained from swinging during travel. Maximum approved travel speed: with lifted load is 1.5 M.P.H.; with front bumper counterweight but without load is 5 M.P.H. Remove front bumper counterweight for travel speeds above 5 M.P.H. Maximum tire pressure for highway travel is 100 P.S.I.

NOTE: For loads of 69,400 lbs. or less, max. swing area is 50 inches from longitudinal ϕ of carrier at all operating radii with 125 P.S.I. tire pressure. For loads of 43,500 lbs. or less, max. swing area is 50 inches from longitudinal ϕ of carrier at all operating radii with 100 P.S.I. tire pressure.

ALL TIRES MUST BE 14:00 X 24 - 24 PLY



SPECIAL OVER REAR ON RUBBER WORK AREA WITH 14,000
POUNDS FRONT BUMPER COUNTERWEIGHT INSTALLED PER SAE 1028

operating instructions printed below and throughout this brochure are for your safety and will contribute to the long life of your P&H 9125-TC

Operating radius is the horizontal distance from centerline of rotation to a vertical line through the center of gravity of the load.

Ratings shown are only for combination of P & H manufactured upper, boom, jib, counterweights, carrier and outriggers. Boom backstops are required for all boom lengths. Boom inserts must be arranged as shown in the Boom Make-Up Chart. Standard boom hoist reeving is 12 part line. Gantry must be in raised position for all operating conditions except when mast is required. When boom is equipped with jib, main hook ratings must be reduced by 1500 lbs. for 20 ft. or 30 ft. jib; 2000 lbs. for 40 ft. jib; 2500 lbs. for 50 ft. jib and 3000 lbs. for 60 ft. jib. Refer to diagrams for applicable working area.

Ratings shown are based on freely suspended loads and make no allowance for such factors as wind effect on lifted loads, ground conditions, out-of-level, operating speeds or any other condition that could be detrimental to the safe operation of this equipment. The operator, therefore, has the responsibility to judge the existing conditions and reduce lifted loads and operating speeds accordingly. Ratings do not exceed 85% of tipping load as determined by SAE J 765. Deduct weight of hook block(s), slings, cement bucket, and all other load handling accessories from main boom or jib rating shown. Ratings shown are based on the counterweight shown.

WARNING: The wind effect on the lifted load can cause sufficient side load to overstress boom or jib structure. When suspended load will not remain in line with boom, derate chart 25%. We recommend stopping operation when wind is above 30 m.p.h. and tying off or lowering boom when wind is above 50 m.p.h. When continued operation under windy conditions is necessary, consult factory for special derated load rating chart.

P & H type 4 wire rope: 6 x 25 with filler wire, preformed improved plow steel wire rope 7 x 7 I.W.R.C.

P & H type 25 wire rope: 6 x 25 I.W.R.C., preformed extra improved plow steel wire rope (filler wire).

Maximum approved travel speed with 30,000 pound front bumper counterweight installed is 5 m.p.h. All tires must be evenly inflated to 100 P.S.I. Maximum approved boom length for travel is 130 ft. or 110 ft. boom and 30 ft. jib. Boom must be positioned over rear of carrier. Gantry must be in raised position to travel with boom attached.

WARNING: When one inch diameter P & H type 11 wire rope (18 x 7 non-rotating preformed plow steel wire rope fiber core) is used for jib line on rear drum maximum lifted load including hook must not exceed 15,320 lbs. Do not use dead-end swivels with non-rotating wire rope.



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

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