

Over Rear Ratings With Mast

MODEL 6250 T.C. — 300 TON TRUCK CRANE PCSA CLASS 18-2694

This P&H Model 6250 T.C. meets the requirements of ANSI B30.5-1968. Boom structure has been tested per SAE J987. Machine stability has been tested per SAE J765.

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, and counterweights mounted on a P&H carrier and outriggers. Boom backstops are required for all boom lengths. Boom inserts must be arranged as shown on plate 32R162. Standard boom hoist reeving is 14 part line. Mast required with gantry in the intermediate position for all crane operation.

Ratings shown are based on freely suspended loads and make no allowance for such factors as wind effect on lifted load, 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. Deduct weight of hook, block(s), slings, cement bucket and all other load

handling accessories from main boom or jib rating shown. Ratings do not exceed 85% of tipping load as determined by SAE J765. Ratings shown are based on a total of three counterweights of 30,000 lbs. for a total of 90,000 lbs.

Ratings at radii 35 ft. and less and above double line are based on strength of materials. Ratings are based on boom over rear with a working range of 22½ degrees to either side of the longitudinal centerline. Side outriggers in fully extended position plus auxiliary rear outriggers.

For jib ratings see plate 32R162.

Basic guy ropes for boom lengths are made up of 1 set of 25-1" guy ropes and matching insert guy ropes plus an additional 7-0" guy rope for booms 70 ft. to 150 ft. long, use 5-0" guy ropes for booms 160 ft. to 320 ft. long. See plate 32R162 for boom and guyline make-up charts.

Maximum travel speed (with 70 ft. boom over carrier rear) is 2 mph with counterweights installed, and 12 mph without counterweight, based on tire manufacturer's ratings.

Boom Upper Section	Max. Boom Length	Max. Boom & Jib Length	Mast Required	Intermediate Suspension	Max. Rating	Load Rating Deduct
Light Duty 3 Sheave Tip	320 Feet	320 Ft. Boom +80 Ft. Jib	All Boom Lengths	250 Feet and Over	250,000 Lbs.	0 Lbs.
Heavy Duty 6 Sheave Tip	240 Feet	240 Ft. Boom +80 Ft. Jib	All Boom Lengths	Not Required	600,000 Lbs.*	1500 Lbs.

WARNING: READ FOR SAFETY

Jib crane ratings are based on strength of materials. Stability governs when main boom load rating at operating radius is less than maximum jib rating, and the lower value of main boom load rating must be used. The jib is 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.

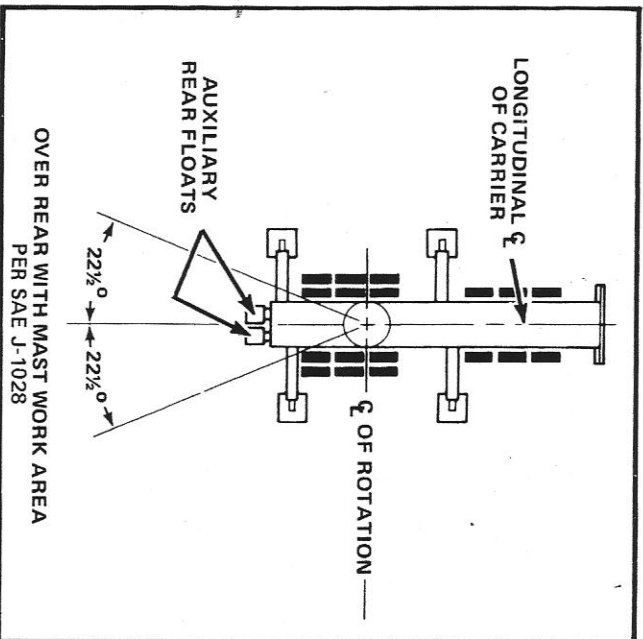
Using this equipment in excess of rated loads, in areas of chart not rated, or with disregard of instructions will result in unsafe operating conditions and is a violation of the U. S. Dept. of Labor Safety and Health Regulations for construction.

* Loads in excess of 500,000 lbs. requires 12 part load hoist reeving with special 1½" dia. hoist rope with minimum breaking strength of 87.5 tons and 300 ton rated six sheave hook block.

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 MPH and tying off, or lowering boom when wind is above 50 mph. When continued operation under windy conditions is necessary, consult factory for special derated load rating chart.

When assembling boom inserts, do not cantilever more than two inserts, or 80 feet of inserts past point of pendant rope attachment to boom. Relocate point of pendant rope attachment out on boom as additional inserts are added. See plate 32R162 for main boom load rating deduct when jib is mounted.

Side outriggers must be fully extended and set to rotate upper with counterweights attached. Welding or other repair to tubular steel boom may weaken the structure, see a P&H dealer for authorized boom repairs. Unauthorized boom repair will void all warranties.



Harnischfeger

32R208

P&H 6250-TC

P&H

Milwaukee, Wisconsin, 53201

STANDARD CRANE RATINGS OVER REAR

- NOTES:
1. RATINGS ABOVE HEAVY LINE ARE GOVERNED BY FACTORS OTHER THAN STABILITY.
 2. RATINGS AT 40 FT. OPERATING RADIUS, OR LESS, ARE FOR THE HEAVY DUTY SIX SHEAVE TIP SECTION.
 3. RATINGS AT 45 FT. OPERATING RADIUS, OR GREATER, ARE BASED ON A LIGHT DUTY THREE SHEAVE TIP SECTION.
DEDUCT 1,500 POUNDS WHEN USING A HEAVY DUTY SIX SHEAVE TIP SECTION.
 5. SEE CHART 32R209 FOR LONGER BOOM LENGTHS.

Oper. Rad. Ft.	70 FT. BOOM			80 FT. BOOM			90 FT. BOOM			100 FT. BOOM			110 FT. BOOM			120 FT. BOOM			130 FT. BOOM			140 FT. BOOM			150 FT. BOOM		
	Angle Pt. El.	Boom Pt. El.	Rating Lbs.	Angle Pt. El.	Boom Pt. El.	Rating Lbs.	Angle Pt. El.	Boom Pt. El.	Rating Lbs.	Angle Pt. El.	Boom Pt. El.	Rating Lbs.	Angle Pt. El.	Boom Pt. El.	Rating Lbs.	Angle Pt. El.	Boom Pt. El.	Rating Lbs.	Angle Pt. El.	Boom Pt. El.	Rating Lbs.	Angle Pt. El.	Boom Pt. El.	Rating Lbs.	Oper. Rad. Ft.		
18	79	80	600000																						18		
20	78	79	545700																						20		
25	73	78	447900																						25		
30	69	77	392300																						30		
35	65	74	329400																						35		
40	60	72	269400																						40		
45	55	68	221600																						45		
50	50	65	187500																						50		
60	38	54	142400																						60		
70	21	37	113900																						70		
80																									80		
90																									90		
100																									100		
110																									110		
120																									120		
130																									130		
140																									140		
150																									150		

STANDARD CRANE RATINGS OVER REAR

NOTES:

1. RATINGS ABOVE HEAVY LINE ARE GOVERNED BY FACTORS OTHER THAN STABILITY.
2. RATINGS AT 40 FT. OPERATING RADIUS, OR LESS, ARE FOR THE HEAVY DUTY SIX SHEAVE TIP SECTION THRU 160 FT. BOOM; AND EITHER LIGHT OR HEAVY TIP FOR 170 FT. BOOM THRU 190 FT. BOOM.
3. RATINGS AT 45 FT. OPERATING RADIUS, OR GREATER, ARE BASED ON THE LIGHT DUTY THREE SHEAVE TIP SECTION. DEDUCT 1,500 POUNDS WHEN USING HEAVY DUTY SIX SHEAVE TIP SECTION.
6. SEE CHART 32R208 FOR APPROVED WORK AREA.

Oper. Rad. Ft.	160 FT. BOOM		170 FT. BOOM		180 FT. BOOM		190 FT. BOOM		200 FT. BOOM		210 FT. BOOM		220 FT. BOOM		230 FT. BOOM		240 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.	Boom Pt. El.	Rating Lbs.	
35	79	168	256700																35
40	77	167	243200	78	177	238700	79	186	219200	79	197	213800							40
45	76	166	220400	76	176	220200	77	187	212200	78	197	204900	78	207	188800	79	217	178700	45
50	74	164	186100	75	175	185800	76	185	185400	76	195	185000	77	206	182200	78	216	172600	50
60	70	161	140600	71	171	140400	72	182	139900	73	193	139500	74	203	139300	75	213	138800	60
70	66	157	112200	68	168	112000	69	179	111500	70	189	111000	71	200	110800	72	210	110400	70
80	62	152	92300	64	164	92200	65	174	91600	67	186	91100	68	196	90900	69	207	90400	80
90	58	146	78300	60	158	78200	62	170	77600	63	181	77100	65	192	76900	66	203	76400	90
100	54	140	67300	56	152	67100	58	164	66600	60	176	66100	62	187	65800	63	198	65300	100
110	49	132	58600	52	145	58500	54	157	57900	56	169	57400	58	181	57100	60	193	56600	110
120	44	122	51600	47	136	51500	50	150	50800	53	162	50300	55	175	50100	57	187	49500	120
130	39	126	45700	43	126	45700	46	140	45100	49	154	44600	51	167	44300	54	180	43700	130
140	33	99	41200	38	116	41100	42	131	41100	45	146	40700	48	160	40500	50	173	39900	140
150	26	81	37600	32	102	37500	37	119	36900	41	135	36500	44	150	36200	47	164	35700	150
160	16	55	33900	25	83	33900	31	104	33300	36	123	32800	40	139	32600	43	154	32000	160
170				16	56	30700	24	86	30100	30	107	29700	35	126	29400	39	142	28900	170
180							15	58	27300	24	88	26900	30	110	26700	34	129	26100	180
190										15	59	24400	23	90	24200	29	112	23600	190
200													14	60	22000	23	92	21400	200
210																14	61	19500	210
220																			220
230																			230
240																			240

STANDARD CRANE RATINGS OVER REAR

- NOTES:
1. RATINGS ABOVE HEAVY LINE ARE GOVERNED BY FACTORS OTHER THAN STABILITY.
 4. RATINGS SHOWN ARE FOR LIGHT DUTY THREE SHEAVE TIP ONLY AND REQUIRES INTERMEDIATE SUSPENSION.
 6. SEE CHART 32R208 FOR APPROVED WORK AREA.

Oper. Rad. Ft.	250 FT. BOOM			260 FT. BOOM			270 FT. BOOM			280 FT. BOOM			290 FT. BOOM			300 FT. BOOM			310 FT. BOOM			320 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.	Angle	Boom Pt. El.	Rating Lbs.	Angle	Boom Pt. El.	Rating Lbs.	Angle	Boom Pt. El.	Rating Lbs.	
60	77	255	132700	78	264	128100	78	275	114200	79	285	104700	79	295	96500	79	306	85900	78	314	77200	78	324	68100	60
70	75	252	108800	76	262	108300	76	273	107900	77	283	102500	77	293	94400	78	304	83750	78	314	77200	78	324	68100	70
80	72	249	88700	73	260	88200	74	270	87800	74	281	87000	75	291	86700	76	301	81600	76	312	75300	76	322	67200	80
90	70	246	74800	71	257	74300	72	267	73900	72	278	73200	73	288	72800	74	298	72300	74	309	71900	75	319	66400	90
100	68	242	63700	69	253	63100	69	264	62800	70	274	62000	71	284	61600	72	295	61100	72	306	60700	73	316	60200	100
110	65	238	54900	66	249	54300	67	260	54000	68	270	53200	69	281	52800	70	292	52300	70	302	51800	71	313	51400	110
120	63	233	47800	64	244	47300	65	255	46900	66	266	46100	67	277	45700	68	288	45100	68	299	44700	69	310	44200	120
130	60	228	42000	62	240	40600	63	251	40600	64	262	40500	65	273	40500	66	284	40400	66	295	40400	67	306	39900	130
140	58	222	38300	59	234	37800	60	246	37400	62	257	36600	62	268	36300	64	280	35700	64	291	35300	65	302	34800	140
150	55	216	34100	56	228	33500	58	240	33200	59	251	32300	60	263	32000	61	274	31400	62	286	31000	63	297	30500	150
160	52	208	30400	54	221	29800	55	233	29500	57	245	28700	58	257	28300	59	269	27700	60	280	27400	61	292	26900	160
170	49	200	27200	51	213	26600	53	226	26300	54	238	25500	56	250	25100	57	262	24600	58	274	24200	59	286	23700	170
180	46	191	24400	48	204	23900	50	218	23600	52	231	22700	53	243	22300	55	256	21700	56	268	21300	57	280	20900	180
190	43	180	22000	45	195	21400	47	209	21100	49	222	20200	51	235	19900	52	248	19300	54	261	18900	55	273	18400	190
200	39	169	19800	42	184	19200	44	199	18900	46	213	18000	48	227	17700	50	240	17100	51	253	16700	53	266	16200	200
210	35	156	17800	38	172	17200	41	188	16900	43	203	16100	45	217	15700	47	231	15100	49	245	14700	50	258	14200	210
220	31	140	16100	35	159	15500	38	176	15200	40	192	14300	42	207	13900	45	222	13300	46	236	12900	48	249	12400	220
230	26	122	14500	31	143	13900	34	162	13600	37	179	12700	40	196	12300	42	211	11700	44	226	11300	46	240	10800	230
240	21	99	13000	26	125	12400	30	146	12100	33	165	11300	36	183	10900	39	199	10300	41	215	9850	43	230	9350	240
250	13	66	11700	20	101	11100	26	127	10800	30	149	9950	33	168	9550	36	186	8950	38	202	8500	40	218	8000	250
260				13	67	9900	20	103	9600	25	129	8700	29	151	8350	32	170	7700	35	189	7500	38	206	6800	260
270							12	68	8500	20	105	7600	25	131	7250	28	154	6600	32	174	6200	34	192	5650	270
280										12	69	6600	19	106	6200	24	134	5550	28	156	5150				280
290										12	70	5300													290