



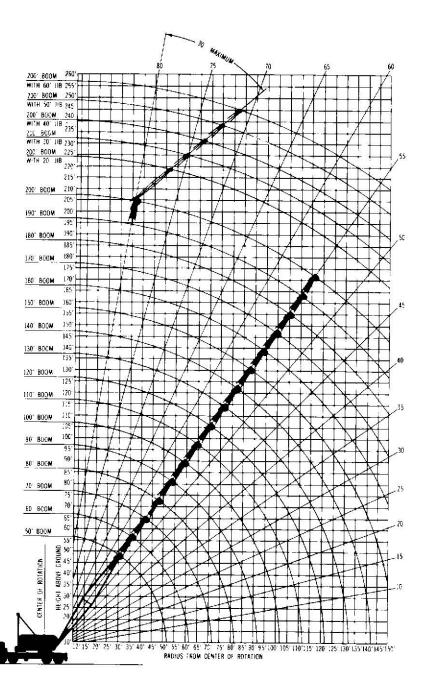
Address inquiries to

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

P&H° 790-TC

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
- CHITADDO

Over the Rear Ratings

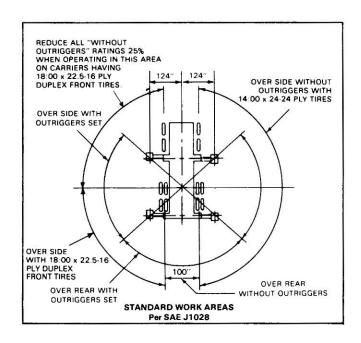
- On Outriggers for Heavy Rigging
- On Rubber "Walking" Ratings for Tilt-up Work

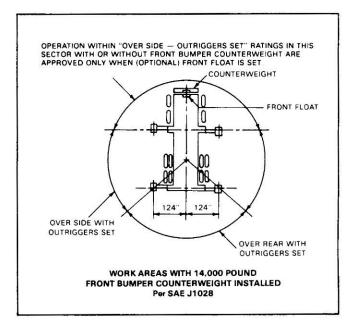
crane

lifting capacities working ranges

P&H 790-TC

THIS P&H MODEL
790-TC MEETS
THE REQUIREMENTS OF
ANSI B30.5-1968.
BOOM STRUCTURE
HAS BEEN TESTED PER
SAE J 987.
MACHINE STABILITY
HAS BEEN TESTED
PER SAE J 765.







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witz .



Address inquiries to:

P&H MODEL 790 T.C. — 90 TON TRUCK CRANE (CLASS 12-462)* WITH 26,000 LBS. COUNTERWEIGHT

							RA	TED CR	ANE	LOAD	S IN PO	UNDS	S — M	AIN BO	OM (62	" W. x	62" D.) IN O	VER S	SIDE AI	ND O	VER F	REAR W	ORK	AREA	s with	OUTF	RIGGE	RS FUL	LY EXTE	NDED	AND	SET.	-										
Oper a 50) Ft. Boom	60	Ft. Boom	70	Ft.`Boom	(a)	80 Ft	t. Boom	0	90 F	t. Boom		100 F	t. Boom	0)	110 Ft.	Boom	d)	120 Ft.	Boom	0)	130 Ft	. Boom	0)	140 Ft.	Boom	0	150 Ft	. Boom	16	0 Ft. Boo	m	170 1	Ft. Boom		180 F	Ft. Boom	T	190 F	Ft. Boom		200 Ft.	t. Boom	Oper
Rad. Boon Ft. Pt. E		W Boom Pt. El.	Rating Lbs.	Boon Pt. E		Angl	Boom Pt. El.	Rating Lbs.	Angle	Boom Pt. El.	Rating Lbs.	Angle	Boom Pt. El.	Rating Lbs.		oom . El.	Rating Lbs.	Angle	oom t. El	ating)s.		Boom Pt. El.	Rating Lbs.		Boom Pt. El.	Rating Lbs.		Boom Pt. El.	Rating Lbs.	Boor Pt. E	m Rati		Boom Pt. El.	Rating Lbs.	Angle	Boom Pt. El.	Rating Lbs.		Boom Pt. El.	Rating Lbs.		Boom t. El.	Rating Lbs.	Rad. Ft.
12 82 57.8						RA	TINGS AE	BOVE HEA	VY LIN	IE ARE L	IMITED									9																			MID-POIN	IT SUSPENS	SION (CF	NTFR H	HITCH)	12
15 78 57.3							TACTUR	S OTHER 1	IHAN S	PIARIFII	Υ.																											F	REQUIRED	D. ATTACH	75 FT. U	P BOOM	vI	15
20 72 56.1		75 66.4															-																					<u></u>	KOW ROC	OM FOOT P	IN.			20
25 66 54.2		70 64.9	_			-	85.8	97,740	_	-	97,720	_	-	-	-		71.000	70 4		74.550																		\perp			$\perp \perp$			25
30 60 51.6		65 62.9		69 73.7		-	84.4	71,740	-	94.8	71,720	_		71,700		15.5	71,600			71,550																		\perp			$\perp \perp$			30
35 53 48.3		60 60.3		64 71.6	_	_	_	56,300	+	+	56,200	+		_	_		55,900	75 12		55,850	_		Marine Control	-		54,000	_		CONTRACTOR OF STREET	79 165.	-	_					-	\perp			++		<u> </u>	35
40 45 43.8 45 36 37.8		54 57.0	_	60 69.0		_	80.3	46,000	_	91.3	+	_	102.0	45,700	-	-	,	73 12		45,450	-		45,400			45,200			45,000	77 164.	-	-	8 174.7	36,000	-		_	-	195.1	35,700	+			40
50 24 28.9		48 52.9 41 47.7	38,850 33,450	55 65.7 50 61.8	-	_	77.6	38,600	_	89.0	+	-	100.0	38,300				70 12			72 1		38,000	\rightarrow		37,800	-		-	75 163.	- '	_	6 173.6		-	183.8		_	194.1	35,000	-	04.3	34,000	_
60 24 28.5	33,500	22 30.9			-	_	74.4	33,200 25,500	-	86.3 79.5	33,000 25,300	-	97.7	32,800		_		68 1	_	32,550	_		32,500	-		32,300	+			74 161.	-	-	5 172.3	31,750	+	182.6	31,500	-	192.9	31,300		03.2	31,000	50
70		22 30.9	25,900	38 51.2 20 32.7		_	54.4	20,400	_	70.3	20,200	_	91.8	25,100	-	_	24,900 19,800		_	24,850						24,500	_			70 158.		-	1 169.2	24,000	-	179.8	_	-	190.2	23,500	74 2	00.6	23,200	60
80	_			20 32.7	20,70	_	34.3	16.900	_	55.4	16,600	-	74.2	16,300	-	-	16,100			19,750 16,050	_		19,600	62			_			66 154.	_	900 6		18,800	+		18,600	_	186.9	18,300	/1 1	97.5	18,000	70
90		WAR	IINC:			13	34.3	10,300	-	35.9	14.000	_	60.3	13,700	-	77.8				13,350	-		13,300	-		15,700	+			62 149. 58 143.	-		34 160.9 30 155.6		+ +			_	182.9	14,600	+	93.8	14,300	-
	oom is equip	********		rating mu	ust be re-		1	+	10	33.3	14,000	17	37.4	11,600	1	63.0			-	11,250			11,100	+		10,900	-		10,600			-	66 149.3	10,300	+		10.000	_	172.9	9.700	-	84.4	9,400	-
	compensate						+	+	+-	-		17	37.4	11,000	+	38.8	9.700	-		9.650	-	84.5		-		9,200	+	115.3		49 128.		650			+	159.5	-	-	166.7	7,950		78.6	7 700	100
120 Jib							+	+		-		+		-	10	70.0	3,700	_	40.2	8.350	-	67.9		34		7.800		104.3		44 119.	_	300			+		-	_	159.5	6.550	55 1	71.9	6.300	110
130 Lengt		30 Ft.	40 Ft.	50 Ft.	60 Ft.		+	+	+			+		+			-	-0		-,		41.4	7.000	26	70.3	,	1 1	90.6	-	38 107.	-	_	3 123.3	_	46		_	-	151.3	5,400	51 1	64.4	5,150	_
140 Deduc	ct								1						+							3	.,,500		42.7		-	72.6		32 93.	-	200 3	7 111.2	5,000	_		_	-	141.8	_	-	55.8	4,150	-
150 Lbs.		1,500	2,000	2,500	3,000		1	1				+									\top					-,	+	43.9	_	25 74.		400 3	_		+	114.5		-	130.7		+		3,300	_

						R	ATE	D CRAN	IE LOA	OS I	N POU	IDS — I	MAI	N BOO	M - MI	тно	UT OU	TRIGGE	RS -	- TIRES	S AT 10	0 P.	S.I.					
Oper.	au .	50 Ft.	Boom	a)	60 Ft.	Boom	d)	70 Ft. B	oom	(1)	80 Ft.	Boom	a)	90 Ft.	Boom	(1)	100 Ft	. Boom	(a)	110 Ft	. Boom	a)	120 Ft	. Boom	0)	130 Ft	. Boom	Oper.
Rad. Ft.	Angle	Over Side	Over Rear	Angl	Over Side	Over Rear	Angle	Over Side	Over Rear	Angle	Over Side	Over Rear	Rad.															
12	82		85,000																				RΔT	INGS SHO	WN D	O NOT FX	CEED	12
15	78		70,500																				M'			RE CAPAC		15
20	72		53,600	75	42,200	52,600	78	42,100	52,400														1					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	15,40C	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		7					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

Optional auxiliary rear floats may be used in place of 14,000 lbs. front bumper counterweight for erecting maximum boom length as specified in chart. MAXIMUM BOOM LENGTH TO LIFT OFF GROUND Without Front Bumper Counterweight With Outriggers Set Without Outriggers Set and Outriggers Set Boom Only | Boom & Jib | Boom Only | Boom & Jib | Boom Only | Boom & Jib 110 + 30 190 180 + 20 130 190 Side 180 + 20Rear 200 180 + 40130 120 + 30 200 200 + 60

32R100-C

This P&H Model meets the requirements of ANSI B30.5-1968. Boom structure has been tested per SAE J987. Machine stability has been tested per SAE J765. *Power Crane and Shovel Association Classification

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 crawler, carrier and outriggers. Boom backstops are required for all boom lengths. Load ratings are based upon boom assembled as specified on insert arrangement chart.

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.

Clamshell ratings shown also apply to magnets, grapple, and all other material handling buckets except dragline which is rated separately. For clamshell, dragline, and magnet operations, the weight of bucket or magnet is considered a part of the load and the total weight of bucket plus contents or magnet plus load must not exceed the corresponding rating shown.

Standard boom hoist reeving is 10 part line. Gantry must be in raised position for all "with outriggers" ratings. Gantry may be in lowered position only for "without outriggers" ratings. Optional auxiliary rear floats may be used in place of 14,000 lbs. front bumper counterweight for erecting maximum boom length. Ratings do not exceed 85% of tipping load as determined by SAE J765. Ratings are based on counterweight of 26,000 lbs. Refer to diagrams for applicable working area.

Low gear operation may be required when hoist or digging drum is operated on 6th or 7th layer of cable.

P&H type 4 wire rope: 6x25 with filler wire, preformed improved wire rope, 7x7 I.W.R.C.

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

Locate jib backstay as follows: 50 ft. to 90 ft. booms at base of boom tip section; 100 ft. to 200 ft. booms at top end of second insert below boom tip section.

Maximum approved travel speed with 14,000 pound front bumper counterweight installed is 5 M.P.H. All tires must be evenly inflated to 100 P.S.I. Boom must be positioned over the rear carrier. Maximum approved boom length for travel is 120 ft. or 100 ft. boom plus 30 ft. jib. Gantry must be in raised position to travel with boom attached.

WARNING: READ FOR SAFETY

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 tieing 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.

When operating truck crane "without outrigger" add lifted over rear and swung over side, will increase in radius due to tire deflection. The ase in radius must be compensated for by raising boom, or machine may tip over.

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

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.

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.

Maximum Jib (24	" W. x 22	" D.) Rati	ngs for L	ifting Cra	nes
Service — Lbs.					
Three-Quarter Inc	h Dia. P8	H Type 4	Wire Ro	ре	
* Use Two Parts	of Line for	r Loads A	bove 14,5	00 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°	22,000*	20,000*	16,000*	12,000	8,000
20°	16,000*	14,500	12,000	9,500	7,000
30° Max.	13,000	11,000	8,500	7,000	6,000
Maximum Jib Rat	ings for B	Bucket Se	rvice —	Lbs.	
* Use Three-Quar for Loads Above			Type 25	Wire Rop	е
10°	16,500*	16,000*	12,800	9,600	6,400
20°	12,800	11,600	9,600	7,600	5,600
30° Max.	10,400	8,800	6,800	5,600	4,800

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.

MAIN	HOIST D	RUM RAT	ED LOAD	S FOR SE	VEN-EIGI	HTS INCH D	IA. P&H TY	PE 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 requir	ed when	front or	rear drun	n is opera	ted on 6th	or 7th lave	r of cable		

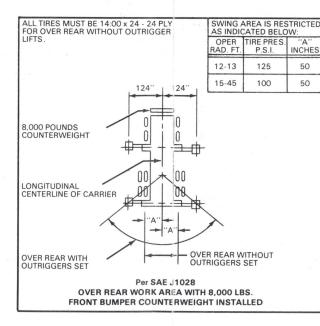
P&H MODEL 790 T.C. — 90 TON TRUCK CRANE (CLASS 12-539)* WITH 26,000 LBS. COUNTERWEIGHT AND 8,000 LBS. FRONT BUMPER COUNTERWEIGHT

																																	7												
													RA	TED CRANE	LOADS	IN POL	INDS —	MAIN	B00M (62" W. x (2" D. OR 6	52" W. x !	0" D.)	IN OVE	R REAR	WORK A	REA WIT	H OUTR	IGGERS	FULLY E)	TENDED A	AND SET	***												
Oper.	e _	50 Ft.		<u> </u>	. Boom	<u>a</u> _	70 Ft.		<u>e</u> _	80 Ft	t. Boom	<u></u>		t. Boom	_ u	100 Ft	Boom	ه ا	110 F	t. Boom	ص 12	20 Ft. Boo	m a	13	0 Ft. Boo	m c	, 140	Ft. Boo			Ft. Boom	a 160	Ft. Boom	a 1	70 Ft. Bo	om	180 F	Ft. Boom	a)	190 Ft	. Boom	d)	200 Ft.	Boom	Oper.
Rad. Ft.		Boom Pt. El.	Rating Lbs.	Boom Pt. El.	Rating Lbs.	Ang	Boom t. El.	Rating Lbs.		Boom Pt. El.	Rating Lbs.	Ang	Boom Pt. El.	Rating Lbs.		Boom t. El.	Rating Lbs.		Boom Pt. El.	Rating Lbs.	Boo Pt. I			Boon Pt. E			Boom Pt. El.	Rat		Boom Pt. El.	Rating Lbs.	Boom Pt. El	Rating Lbs.	Ang Bo		iting .bs.	Boom Pt. El.	Rating Lbs.		Boom Pt. El.	Rating Lbs.			Rating Lbs.	
12	82	57.8	180,000				RATING	S ABOVE	HEAVY	Y LINE A	ARE LIMI	TED											- -								(\top						12
15	78	57.3	151,500				BY FAC	TORS OTH	IER TH	IAN STA	ABILITY.			,																									1 MIL	D-POINT	SUSPENSI	ION (C	CENTER	нітсн	15
20	72	56.0	125,000 7	5 66.4	123,000	78	76.7	121,000	79	86.9	108,00	0																							-			1	REC	QUIRED.	ATTACH	75 F	T. UP	воом	20
25	66	54.1	99,000 7	0 64.9	98,900	73	75.4	98,800	75	85.8	98,70	0 77	96.0	98,600	78 1	06.3	90,000										1								_				FRU		FOR 62" X)(M)	-	25
30	60	51.6	81,700 6	5 62.8	81,500	69	73.7	81,300	72	84.3	81,10	0 74	94.8	80,800	75 1	05.1	80,600	77	115.4	72.000	78 125	.7 72.0	000 79	9 135.9	9 54.	000	+	+			1						+	+	1		B NOT APP		,	+	30
35	53	48.2	65,100	0 60.2	64,900	64	71.5	64,700	68	82.5	64.50	0 70	93.2	64,200	_		64,000	_		-	75 124				-		8 145.0	54 (000 78	155.3	54 000	79 165.5	54 000		_	-		+	-	BC	OOMS OVE	R 180	FEET.	+	35
40	45	43.7	53,900 5	4 56.9	53,700	60	68.9	53,600	64	80.2	53.30	0 67	91.2	53,100			52,800	+		52,500	73 123		- Consession	4 133.	STREET, SQUARE, SQUARE	STREET, SQUARE, SQUARE	5 143.9	-	-	5 154.2	THE RESERVE TO BE ADDRESS OF THE PARTY OF TH	-	-	78 17	17 36	5.000	79 184.9	36.000	+						40
45	36	37.7	45,900 4	8 52.8	45,700	55	65.7	45,400	-		45,20	_		44,900			44,700			44,400	70 121			-	-	-				152.9			-			5.000	77 183.8		79	194.0	36,000	70 /	204.2	25,000	45
50	24	28.7	37.000 4	1 47.6	39,600	50	61.7	39,300	56	74.4	39.10	-	_	38,800			38,500			-	68 119			0 130.3		_	1 140.9	-		2 151.4						,	75 182.6	36,000				-		34,000	50
60			2	2 30.7	30,100		51.1	30.800	46		30.60	0 52	79.4	-		91.7	30.000	+ +			63 114		-	5 126.	-		_	_	_		_					_	72 179.7	28,100		-			-	27.700	60
70						20		24,600				-	70.2		-	84.1	24,200	-	96.9	23,900	57 109		800 60	-	,	_		-			,					-	69 176.2	-	_						
80	-					-	-	2.,000		34.2	_	_	57.3	20,400	-		20.100	-			51 101		-	55 114.4		_	8 126.5		_	_				-		3,400		,		182.9	21,900 17.800	1 - 1 -		21,800	70
90	_	DATING	S BELOW H	EAVV LINE	ADE LIMIT				10	0 1.2	20,10	-	38.1	-	-	61.4	17.300			17.000	45 93		000 49				3 120.0	_	_							,	62 167.4	18,100			,	-		17,700	80
100			TORS OTHER			-	_				1	20	30.1	17,000	19		14,800	-			38 82		00 43				8 111.6				-		-			,			-		,			15,000	90
110	\neg			-			-				+	+			13	55.7	14,000	18			29 66	-	-				2 101.4		-	-				-	_	-	58 161.6	13,000	-		/			12,500	100
120	_						_											10	41.5	12,000		.8 10,8	-	_		/		-			-		-				55 155.0	11,000		167.1	-	59 1		,	110
130	\dashv				WARN	INC.								-							17 42	.0 10,0	-	6 44.2		250 2	_	-		-	10,100			48 13			51 147.2	-	53				172.4		120
140	-	,	When boom	is equinne			hook ra	ating mus	t he r	ρ.		-	-					+				-	10	5 44.	2 9,	-		-	000 34		8,750			43 12		,	46 138.3	+	49		,	_		.,	130
150	\dashv		duced to co					iting mus	, bc i	0	-	+	-	-				+				-	-	+-		1	6 45.5	/,.	700 26		_			38 11		-	42 127.8	-	45		-			-,	140
160	+	7			-						-	_	-				7	+			-	_	-	+-		-	-		15	46.8	6,400			32 9	-		37 115.4	-	40		5,500				150
170			Jib Length	20 Ft.	30 Ft.	40 Ft.	50	0 Ft.	60 Ft.			+	-					+					-	+-		-	+		-	-	+	15 48.1	5,200	24 7		-	31 100.2	_	36		4,650		135.2	-	160
180	+	_					-					+						+					-	+		_			_	-				14 4	9.3 4	-	24 80.6	-	30		-,		-	-,	170
190			Deduct Lbs.	1,500	1,500	2,000	2,	,500	3,000			-	-						1		-							-		-	-					- 4	14 50.5	3,700	23		,		105.5		180
150			200.					7																1	, i														13	51.7	2,750	23	84.6	2,600	190

			R	ATED CRAN	IE LOAI	OS — OVER	REAR	WITHOUT	OUTRIG	GERS			
Oper.	50	Ft. Boom	60	Ft. Boom	70	Ft. Boom	80	Ft. Boom	90	Ft. Boom	100	Ft. Boom	Oper.
Rad. Ft.	L °	Ratings Lbs.	ے د	Ratings Lbs.	۷°	Ratings Lbs.	Z°	Ratings Lbs.	ے	Ratings Lbs.	Z°	Ratings Lbs.	Rad. Ft.
12	82	96,700											12
13	81	88,000											13
15	78	74,400											15
17	76	64,300	78	63,900									17
20	72	53,300	75	52,900	78	52,500	79	52,100			-		20
25	66	41,200	70	40,800	73	40,400	75	40,000	77	39,700	78	39,300	25
30	60	33,300	65	33,000	69	32,600	72	32,200	74	31,900	75	31,500	30
35	53	27,800	60	27,500	64	27,100	68	26,800	70	26,400	72	26,000	35
40	45	23,800	_54	23,400	60	23,100	64	22,700	67	22,300	69	22,000	40
45	36	20,600	48	20,300	55	19,900	60	19,600	63	19,200	66	18,900	45

MAXIMUM JIB	(24"W. x Crane si			OR LIFTI	NG
Three-qua	rter inch d	lia. P&H T	ype 4 Wir	re Rope	
*Use two pa	irts of line	for loads	above 14	,500 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°	22,000*	20,000*	16,000*	12,000	8,000
20°	16,000*	14,500	12,000	9,500	7,000
30° Max.	13,000	11,000	8,500	7,000	6,000
MAXIMUM JIB	RATINGS	FOR BUC	KET SERV	ICE — LI	BS.
*Use three-qu	uarter inch or loads al			Wire Rop	е
10°	16,500*	16,000*	12,800	9,600	6,400
20°	12,800	11,600	9,600	7,600	5,600
30° Max.	10,400	8,800	6,800	5,600	4,800

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.



WARNING: READ FOR SAFETY

When three-quarter inch diameter P&H Type II Wire Rope (18 x 7 Non-Rotating Preformed Improved Plow Steel Wire Rope Fiber Core) is used for jib line, maximum lifted load including hook must not exceed 8,700 lbs. Do not use dead-end swivels on Non-Rotating Wire Rope.

Ratings shown are based on tire loadings and machine stability and do not exceed 85% of tipping load as determined by SAE J765. Ratings shown are based on machine counterweight of 26,000 lbs. and front bumper counterweight of 8,000 lbs. Standard boom hoist reeving is 10 part line. Gantry must be in raised position for all operating conditions. Refer to diagram for applicable restricted work area.

Low gear operation may be required when hoist or digging drum is operated on 6th or 7th layer of cable.

P&H Type 4 Wire Rope: 6 x 25 with Filler Wire, Preformed Improved Plow Steel Wire Rope, 7 x 7 l.W.R.C.

P&H Type 25 Wire Rope: 6 x 25 F I.W.R.C., Preformed Extra Improved Plow Steel Wire Rope (Filler Wire)

Machine must be on a firm level, supporting surface. All tires must be $14:00 \times 24 - 24$ ply inflated to: see chart. Load must be restrained from swinging during travel. Maximum approved travel speed: with lifted load is 1.5 M.P.H. Remove front bumper counterweight for travel speeds above 5 M.P.H. unless equipped with boom folding kit. Maximum approved tire pressure for highway travel is 100 P.S.I.

With boom folding kit, a maximum length of 110 ft. can be folded — 45 ft. Under 65 ft. a 100 ft. boom can be folded — 45 ft. Under 55 ft. "Travel" approved with gantry in the first raised position only and 8,000 lbs. front bumper counterweight.

Locate jib backstay anchor as follows: $50\,$ ft. to $90\,$ ft. boom — at base of boom tip section: $100\,$ ft. to $180\,$ ft. boom — at top of second insert below boom tip section.

Maximum boom length on which a jib can be mounted is 180 ft. Maximum boom and jib length to lift off ground, over side, is 160 ft. plus 60 ft. Any combination greater than 160 ft. plus 60 ft. must be lifted over rear.

2	0		-	-
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RECO	MMENDED I	WIRE ROPE	LENGTH FO	R DRUMS -	- FT.
Boom Length Ft.	Main Hoist Drum	Jib Hoist Drum	Boom Length Ft.	Main Hoist Drum	Jib Hoist Drum
50	620	305	130	555	545
60	535	335	140	595	575
70	615	365	150	635	605
80	610	395	160	675	635
90	680	425	170	540	665
100	645	455	180	570	695
110	590	485	190	600	A
120	640	515	200	630	_

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 — TIP
	TION IS 25 FT.; TIP SECTION IS 25 FT. 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