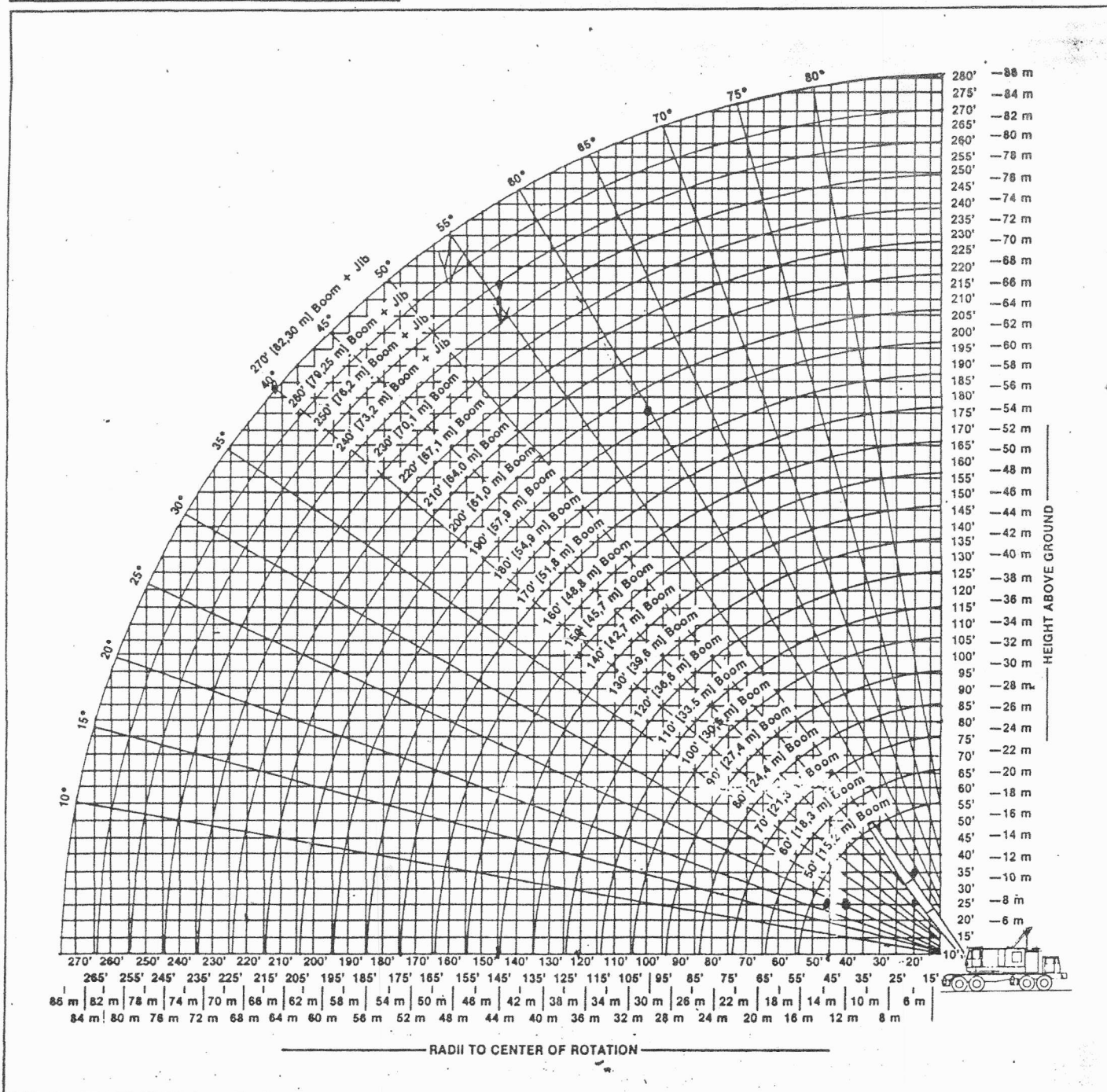




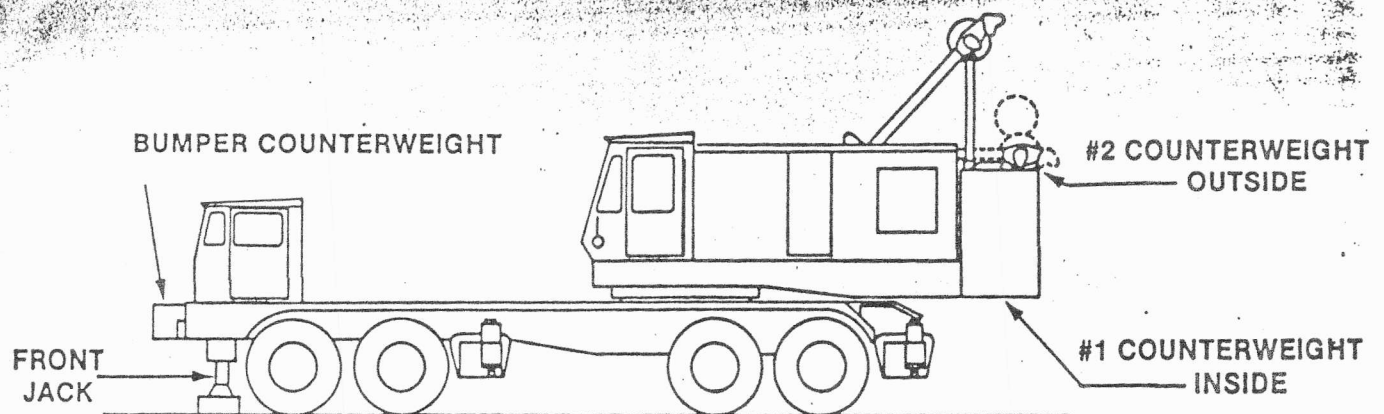
CRANE WORKING RANGES



ROPE REEVING FOR HOOK BLOCKS

Load	No. Part Line	Load	No. Part Line
To 22 700 lb (10 297 kg)	1	Over 158 900 lb (72 077 kg)	8
Over 22 700 lb (10 297 kg)	2	Over 181 600 lb (82 374 kg)	9
Over 45 400 lb (20 593 kg)	3	Over 204 300 lb (92 670 kg)	10
Over 68 100 lb (30 890 kg)	4	Over 227 000 lb (102 967 kg)	11
Over 90 800 lb (41 187 kg)	5	Over 249 700 lb (113 264 kg)	12
Over 113 500 lb (51 484 kg)	6	Over 272 400 lb (123 561 kg)	13
Over 136 200 lb (61 780 kg)	7		

Based Upon $\frac{3}{8}$ in (22,2 mm) Dia. Wire Rope With A Minimum Breaking Strength Of 79 600 lb (36 107 kg)



MAXIMUM JIB LIFTING CAPACITIES			
JIB LENGTH	JIB OFFSET		
	Minimum	Intermediate	Maximum
20'-0"	27 500 lb	25 000 lb	23 000 lb
40'-0"	22 000 lb	18 000 lb	15 000 lb
60'-0"	15 000 lb	10 000 lb	9 500 lb
80'-0"	7 500 lb	7 000 lb	6 000 lb

DETERMINATION OF BOOM PLUS JIB LIFTING CAPACITIES ON THE JIB POINT:

A. For a combined boom plus jib length (length of boom plus length of jib) 230' or less, refer to the "outrigger extended and set side/rear" portion of the chart on pages 10 and 11 only. The lifting capacity is shown by the chart with a boom length equal to the combined boom plus jib being used but shall not exceed the appropriate maximum jib lifting capacity shown by the above chart. (Example: 160' boom + 40' jib at 90' radius with minimum jib offset.

Refer to lifting capacities shown by the 200' boom chart on page 11. Capacity at 90' radius is 21 500 lb. Since 21 500 lb is less than 22 000 lb shown in the above chart, 21 500 lb is the lifting capacity for this boom plus jib combination at this radius and jib offset).

B. For a combined boom plus jib length 240' or greater, refer to the following charts only.

CAPACITY — BOOM PLUS JIB AT MINIMUM OFFSET											
R	A	Cap	R	A	Cap	R	A	Cap	R	A	Cap
§ 220' BOOM + 20' JIB			180' BOOM + 60' JIB			§ 210' BOOM + 40' JIB			170' BOOM + 80' JIB		
50'	79	*27 500	60'	77	*15 000	60'	78	*19 500	60'	77	*7 500
60'	77	*27 500	70'	75	*15 000	70'	75	*19 500	70'	75	*7 500
70'	74	*27 500	80'	73	*15 000	80'	73	*19 500	80'	73	*7 500
80'	72	24 200	90'	70	*15 000	90'	71	19 300	90'	70	*7 500
90'	69	19 300	100'	67	*15 000	100'	68	16 500	100'	68	*7 500
100'	67	16 500	110'	65	13 700	110'	66	13 700	110'	65	*7 500
110'	64	13 700	120'	62	11 600	120'	63	11 600	120'	63	*7 500
120'	62	11 600	130'	59	9 800	130'	60	9 800	130'	60	*7 500
130'	59	9 800	140'	56	8 000	140'	58	8 000	140'	57	*7 500
140'	56	8 000	150'	53	6 800	150'	55	6 800	150'	55	6 800
150'	53	6 800	160'	50	5 200	160'	52	5 200	160'	52	5 200
160'	50	5 200	170'	47	4 100	170'	49	4 100	170'	49	4 100
170'	47	4 100	180'	44	3 200	180'	46	3 200	180'	46	3 200
180'	43	3 200	190'	40	2 200	190'	43	2 200	190'	42	2 200
190'	40	2 200									
§ 200' BOOM + 40' JIB			160' BOOM + 80' JIB			190' BOOM + 60' JIB			§ 200' BOOM + 60' JIB		
60'	77	*19 500	50'	79	*7 500	60'	78	*15 000	60'	78	*15 000
70'	75	*19 500	60'	77	*7 500	70'	76	*15 000	70'	76	*15 000
80'	72	*19 500	70'	75	*7 500	80'	73	*15 000	80'	74	*15 000
90'	70	19 300	80'	72	*7 500	90'	71	*15 000	90'	72	*15 000
100'	67	16 500	90'	69	*7 500	100'	68	*15 000	100'	69	*15 000
110'	65	13 700	100'	67	*7 500	110'	66	13 700	110'	67	13 700
120'	62	11 600	110'	64	*7 500	120'	63	11 600	120'	64	11 600
130'	59	9 800	120'	62	*7 500	130'	61	9 800	130'	62	9 800
140'	56	8 000	130'	59	*7 500	140'	58	8 000	140'	59	8 000
150'	53	6 800	140'	56	*7 500	150'	55	6 800	150'	57	6 800
160'	50	5 200	150'	53	6 800	160'	52	5 200	160'	54	5 200
170'	47	4 100	160'	50	5 200	170'	49	4 100	170'	51	4 100
180'	44	3 200	170'	47	4 100	180'	46	3 200	180'	48	3 200
190'	40	2 200	180'	43	3 200	190'	43	2 200	190'	45	2 200
			190'	40	2 200						

R = Load Radius, for C of rotation.

A = Angle of boom C to horizontal, see note 16, page 12.

Cap = Capacity in pounds; on outriggers with counterweights #1 and #2; over side or rear.

§ = Midpoint suspension required, see note 13, page 12.

Machine must be equipped with Front Jacks For 360° Load Handling.

Bumper Counterweight not required, but may be mounted on the machine.



CAPACITY — BOOM PLUS JIB AT INTERMEDIATE OFFSET

R	A	Cap	R	A	Cap	R	A	Cap	R	A	Cap	R	A	Cap
§ 220' BOOM + 20' JIB			180' BOOM + 60' JIB			§ 210' BOOM + 40' JIB			170' BOOM + 80' JIB			180' BOOM + 80' JIB		
60'	78	*19 900	70'	77	*10 000	60'	79	*16 200	70'	78	*7 000	70'	78	*7 000
70'	75	*19 900	80'	75	*10 000	70'	77	*16 200	80'	76	*7 000	80'	76	*7 000
80'	73	*19 900	90'	72	*10 000	80'	74	*16 200	90'	73	*7 000	90'	74	*7 000
90'	70	19 300	100'	70	*10 000	90'	72	*16 200	100'	71	*7 000	100'	71	*7 000
100'	68	16 500	110'	67	*10 000	100'	70	*15 000	110'	68	*7 000	110'	69	*7 000
110'	65	13 700	120'	64	*10 000	110'	67	13 700	120'	66	*7 000	120'	67	*7 000
120'	62	11 600	130'	61	9 800	120'	64	11 600	130'	63	*7 000	130'	64	*7 000
130'	59	9 800	140'	59	8 000	130'	62	9 800	140'	60	*7 000	140'	62	*7 000
140'	57	8 000	150'	56	6 800	140'	59	8 000	150'	57	6 800	150'	59	6 800
150'	54	6 800	160'	52	5 200	150'	56	6 800	160'	55	5 200	160'	56	5 200
160'	51	5 200	170'	49	4 100	160'	53	5 200	170'	52	4 100	170'	53	4 100
170'	47	4 100	180'	46	3 200	170'	50	4 100	180'	48	3 200	180'	50	3 200
180'	44	3 200	190'	42	2 200	180'	47	3 200	190'	45	2 200	190'	47	2 200
190'	40	2 200				190'	44	2 200						
§ 200' BOOM + 40' JIB			160' BOOM + 80' JIB			190' BOOM + 60' JIB			§ 200' BOOM + 60' JIB			190' BOOM + 80' JIB		
60'	79	*16 200	70'	78	*7 000	70'	78	*10 000	70'	78	*10 000	70'	79	*7 000
70'	76	*16 200	80'	75	*7 000	80'	75	*10 000	80'	76	*10 000	80'	77	*7 000
80'	74	*16 200	90'	72	*7 000	90'	73	*10 000	90'	74	*10 000	90'	74	*7 000
90'	71	*16 200	100'	70	*7 000	100'	70	*10 000	100'	71	*10 000	100'	72	*7 000
100'	69	*15 000	110'	67	*7 000	110'	68	*10 000	110'	69	*10 000	110'	70	*7 000
110'	66	13 700	120'	65	*7 000	120'	65	*10 000	120'	66	*10 000	120'	68	*7 000
120'	63	11 600	130'	62	*7 000	130'	63	9 800	130'	64	9 800	130'	65	*7 000
130'	60	9 800	140'	59	*7 000	140'	60	8 000	140'	61	8 000	140'	63	*7 000
140'	58	8 000	150'	56	6 800	150'	57	6 800	150'	59	6 800	150'	60	6 800
150'	55	6 800	160'	53	5 200	160'	54	5 200	160'	56	5 200	160'	58	5 200
160'	52	5 200	170'	50	4 100	170'	51	4 100	170'	53	4 100	170'	53	4 100
170'	48	4 100	180'	46	3 200	180'	48	3 200	180'	50	3 200	180'	52	3 200
180'	45	3 200	190'	42	2 200	190'	45	2 200	190'	47	2 200	190'	49	2 200
190'	41	2 200												

CAPACITY — BOOM PLUS JIB AT MAXIMUM OFFSET

R	A	Cap	R	A	Cap	R	A	Cap	R	A	Cap	R	A	Cap
§ 220' BOOM + 20' JIB			180' BOOM + 60' JIB			§ 210' BOOM + 40' JIB			170' BOOM + 80' JIB			180' BOOM + 80' JIB		
60'	79	*18 000	80'	78	*9 500	70'	79	*12 700	90'	78	*6 000	90'	78	*6 000
70'	76	*18 000	90'	76	*9 500	80'	77	*12 700	100'	75	*6 000	100'	76	*6 000
80'	74	*18 000	100'	73	*9 500	90'	74	*12 700	110'	73	*6 000	110'	73	*6 000
90'	71	*18 000	110'	70	*9 500	100'	72	*12 700	120'	70	*6 000	120'	71	*6 000
100'	69	16 500	120'	67	*9 500	110'	69	*12 700	130'	67	*6 000	130'	68	*6 000
110'	66	13 700	130'	64	*9 500	120'	66	11 600	140'	64	*6 000	140'	66	*6 000
120'	63	11 600	140'	62	8 000	130'	64	9 800	150'	62	*6 000	150'	63	*6 000
130'	60	9 800	150'	58	6 800	140'	61	8 000	160'	59	5 200	160'	60	5 200
140'	58	8 000	160'	55	5 200	150'	58	6 800	170'	55	4 100	170'	57	4 100
150'	55	6 800	170'	52	4 100	160'	55	5 200	180'	52	3 200	180'	54	3 200
160'	51	5 200	180'	48	3 200	170'	52	4 100	190'	49	2 200	190'	51	2 200
170'	48	4 100	190'	44	2 200	180'	49	3 200						
180'	45	3 200				190'	45	2 200	§ 200' BOOM + 60' JIB			190' BOOM + 80' JIB		
190'	41	2 200	160' BOOM + 80' JIB			190' BOOM + 60' JIB			80'	79	*9 500	90'	79	*6 000
§ 200' BOOM + 40' JIB			90'	77	*6 000	80'	79	*9 500	90'	77	*9 500	100'	76	*6 000
70'	79	*12 700	100'	74	*6 000	90'	76	*9 500	100'	74	*9 500	110'	74	*6 000
80'	76	*12 700	110'	72	*6 000	100'	74	*9 500	110'	72	*9 500	120'	72	*6 000
90'	73	*12 700	120'	69	*6 000	110'	71	*9 500	120'	69	*9 500	130'	69	*6 000
100'	71	*12 700	130'	66	*6 000	120'	68	*9 500	130'	67	*9 500	140'	67	*6 000
110'	68	*12 700	140'	63	*6 000	130'	66	*9 500	140'	64	8 000	150'	64	*6 000
120'	65	11 600	150'	60	*6 000	140'	63	8 000	150'	61	6 800	160'	61	5 200
130'	62	9 800	160'	57	5 200	150'	60	6 800	160'	59	5 200	170'	59	4 100
140'	59	8 000	170'	54	4 100	160'	57	5 200	170'	56	4 100	180'	56	3 200
150'	56	6 800	180'	50	3 200	170'	54	4 100	180'	53	3 200	190'	53	2 200
160'	53	5 200	190'	46	2 200	180'	51	3 200	190'	49	2 200			
170'	50	4 100				190'	47	2 200						
180'	46	3 200												
190'	42	2 200												

Machine must be equipped with Front Jacks For 360° Load Handling.
Bumper Counterweight not required, but may be mounted on the machine.

R = Load Radius from C of rotation

A = Angle of boom C to horizontal, see note 16, page 12

Cap = Capacity in pounds; on outriggers with counterweights #1 and #2; over side or rear

§ = Midpoint suspension required, see note 13 page 12

CLARK Crane Division

LIMA, OHIO 45802

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