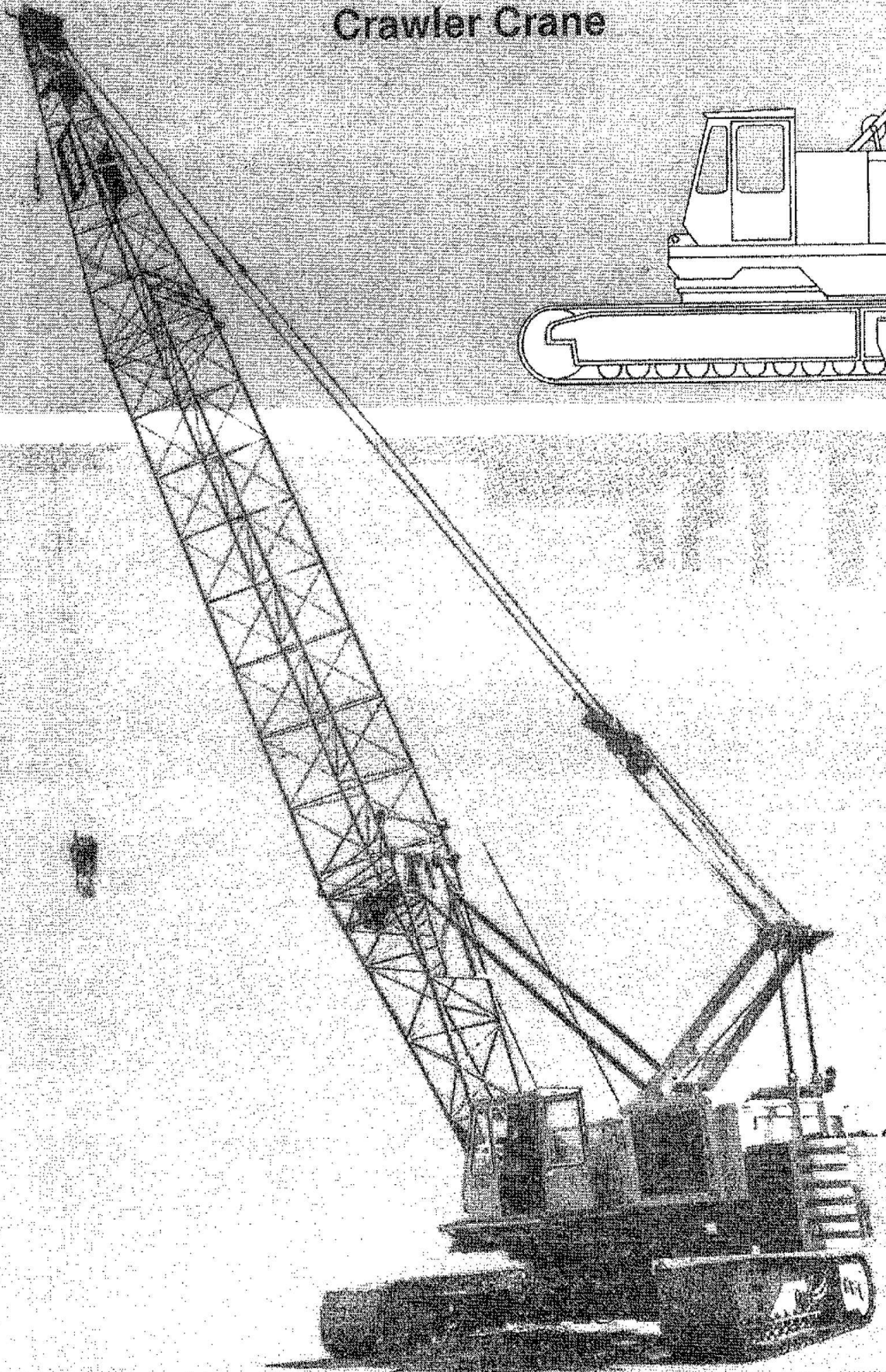
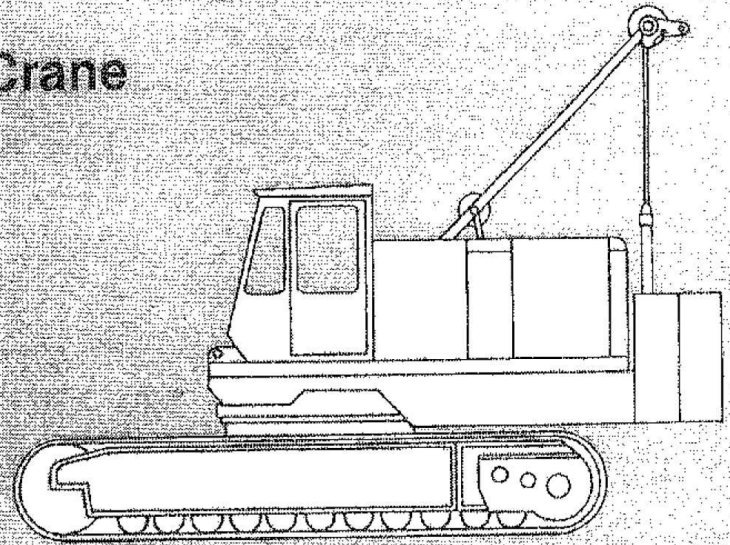


CLARK

700-HC

Specifications

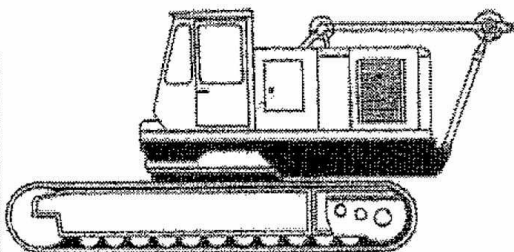
Crawler Crane



LIMA 700-HC

WEIGHTS OF COMPONENT PARTS

BASIC MACHINE:

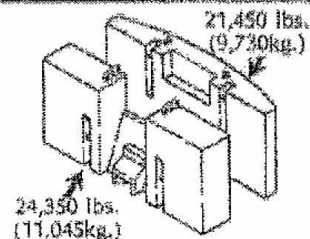


Equipment includes: fabricated truck and rotating base; environmental cab; standard crawlers 20'-1" (6.12m) overall length; 30" (76cm) treads; anti-friction bearing swing circle and integral swing gear; diesel engine; precision boom hoist with power controlled boom lowering; mechanical hoist brakes; air controls; gantry (No lagging or counterweight).

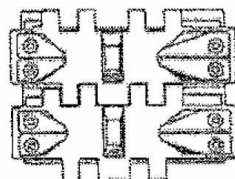
Approx. Shipping Weight 74,330 lbs. (33,716kg.)

COUNTERWEIGHTS:

Crane 45,800 lbs. (20,775kg.)
Clamshell 24,350 lbs. (11,045kg.)



CRAWLER BELTS:

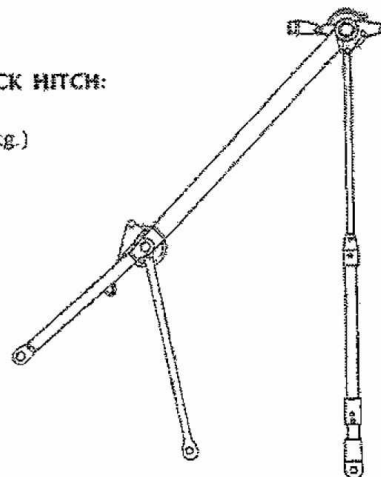


Tread Size	Weight Per Belt
30" (76cm)	5,460 lbs. (2,477kg.)
35" (89cm)	6,450 lbs. (2,926kg.)
42" (107cm)	7,335 lbs. (3,327kg.)

52 TREADS PER BELT

TELESCOPIC BACK HITCH: GANTRY:

2,060 lbs. (934kg.)



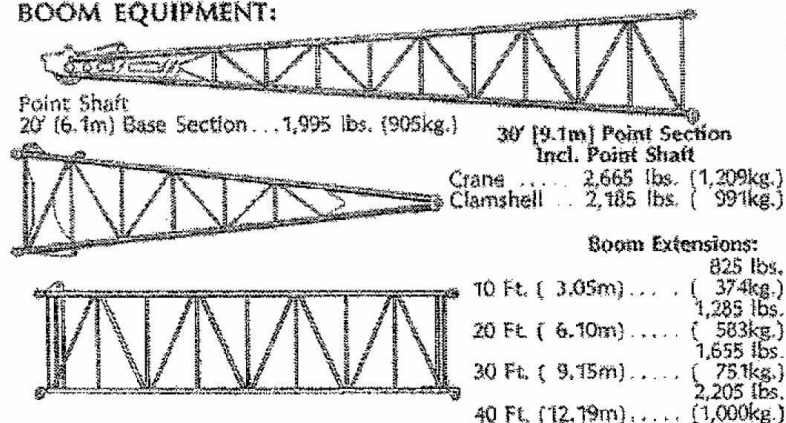
CLAMSHELL ATTACHMENT:

(Incl. Cables) 6,315 lbs. (2,864kg.)
Add'l Rotating Parts 660 lbs. (299kg.)
Tagline Winder (Incl. In Rotating Parts) 355 lbs. (162kg.)
Total Attachment Weight 7,330 lbs. (3,325kg.)

CABLES:

Attachment	Basic Cable Weights	For Each Add'l 10 Feet of Booms	Boom Hoist Cables
Crane (Main Hoist)	620 lbs. (281kg.)	—	10 Part Line . 410 lbs. (186kg.)
Crane (Aux. Hoist)	120 lbs. (54kg.)	20 lbs. (9.1kg.)	12 Part Line . 485 lbs. (220kg.)
Clamshell	190 lbs. (86kg.)	20 lbs. (9.1kg.)	

BOOM EQUIPMENT:



Boom Extensions:

825 lbs. (374kg.)
10 Ft. (3.05m) 1,285 lbs. (583kg.)
20 Ft. (6.10m) 1,655 lbs. (751kg.)
30 Ft. (9.15m) 2,205 lbs. (1,000kg.)
40 Ft. (12.19m)

Crossover and Basic Slings 10 Part 920 lbs. (417kg.)
Crossover and Basic Slings 12 Part 950 lbs. (431kg.)
Mid-Point Suspension
160' (49m) Thru 180' (55m) 460 lbs. (209kg.)
190' (58m) & 200' (61m) Boom 525 lbs. (238kg.)

CRANE ATTACHMENT:

Hook Block 1,325 lbs. (601kg.)
Ball & Hook 615 lbs. (279kg.)
Boom Stop (Incl. In Attachment Weights) .. 615 lbs. (279kg.)

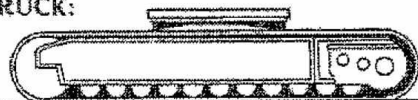


HEAVY DUTY JIB:

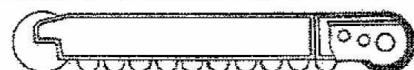
20' (6.1m) Basic Jib Assembly Complete 1,820 lbs. (826kg.)
10' (3.05m) Jib Extension 390 lbs. (177kg.)
20' (6.1m) Jib Extension 690 lbs. (313kg.)
Maximum Jib Length 60 ft. (18.3m)

NOTE: For Each Additional 10' (3.05m) of Boom Above the Basic Boom Add 35 lbs. (15.9kg.) to Jib Assembly.

TRUCK:



With 30" (76cm) Treads 45,145 lbs. (20,478kg.)
With 35" (89cm) Treads 47,125 lbs. (21,376kg.)
With 42" (107cm) Treads 48,895 lbs. (22,179kg.)



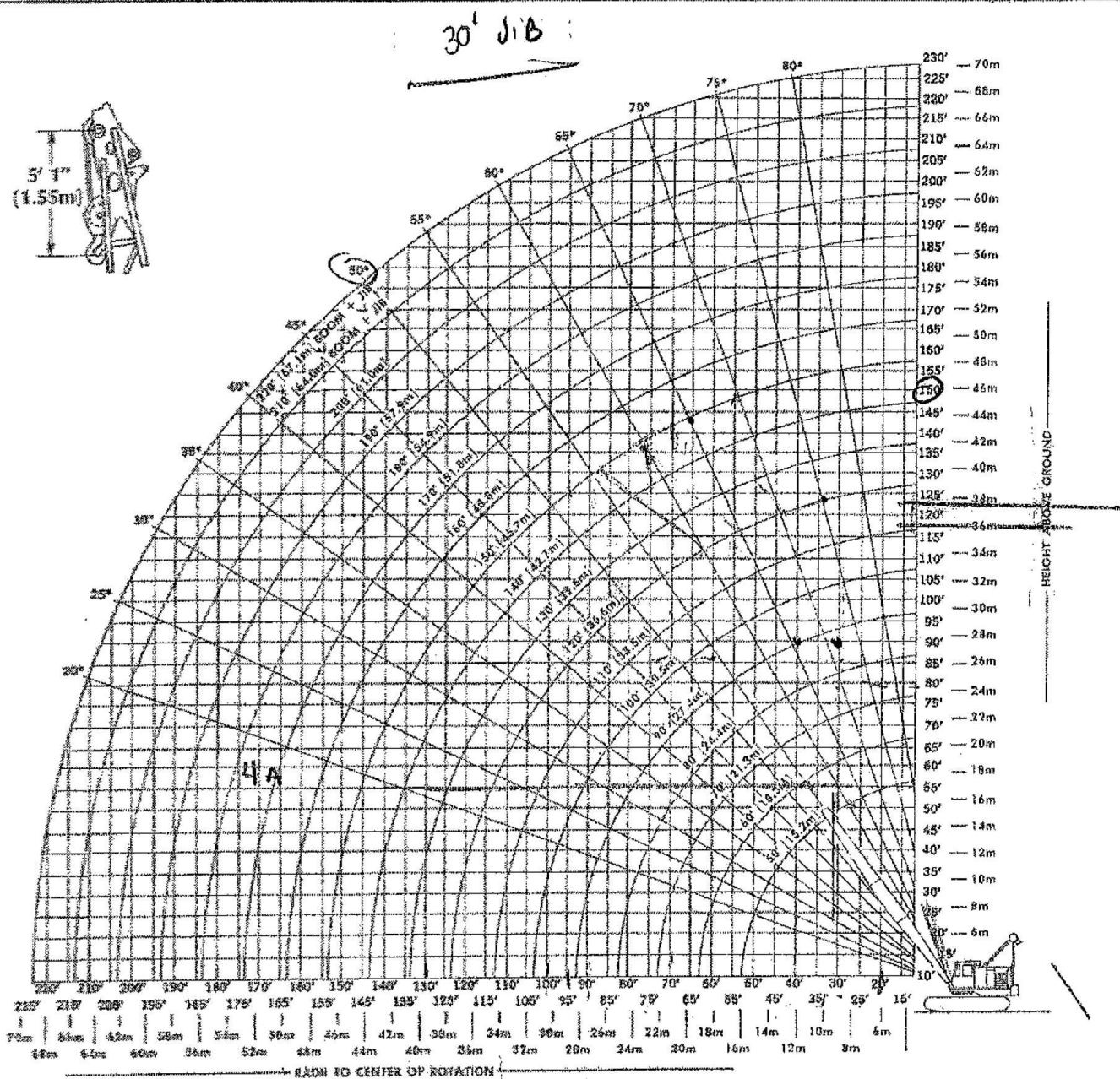
SIDE FRAMES:

w/o Treads Ea. 8,430 lbs. (3,823kg.)

CRANE ATTACHMENT:

(Incl. Cables) 7,345 lbs. (3,332kg.)
Add'l Rotating Parts 635 lbs. (288kg.)
Total Attachment Wt. . 7,980 lbs. (3,620kg.)

CRANE WORKING RANGES

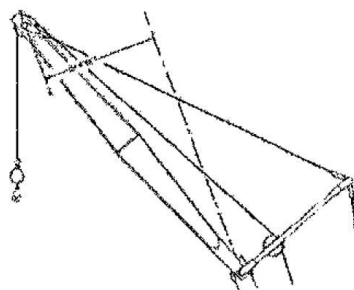


For Boom or Jib specifications, descriptions, maximum lengths and applications, refer to boom and jib Data Chart.

Recommended Wire Rope Reeving For Hook Blocks

Load in Pounds	No. Part Line
Over 16,800lbs. (7,620kg)	2
Over 33,600lbs. (15,240kg)	3
Over 50,400lbs. (22,860kg)	4
Over 67,200lbs. (30,480kg)	5
Over 84,000lbs. (38,100kg)	6
Over 100,800lbs. (45,720kg)	7
Over 117,600lbs. (53,340kg)	8
Over 134,400lbs. (60,960kg)	9
Over 151,200lbs. (68,580kg)	10

Requires 1/2" (19.1mm) dia. wire rope having a minimum breaking strength of 58,900 lbs. (26,717kg.).



Heavy Duty Jib 25 1/2" (64.8cm) x 34 1/2" (87.6cm) Sec.

Jib Length	Rating	Offset	Effective Weight
20' (6.1m)	13 Ton (11.8 Ton)	6'-2" (1.88m)	2,055lbs. (932kg.)
30' (9.1m)	10 Ton (9.1 Ton)	11'-3" (3.43m)	2,650lbs. (1,202kg.)
40' (12.2m)	7 Ton (6.4 Ton)	16'-2" (4.93m)	3,360lbs. (1,524kg.)
50' (15.2m)	5 Ton (4.5 Ton)	21'-1" (6.43m)	4,010lbs. (1,819kg.)
60' (18.3m)	4 Ton (3.6 Ton)	26'-0" (7.93m)	4,865lbs. (2,207kg.)

Jib capacities are approximately the same as Boom capacities at any given radius, but not to exceed the rating listed above. Effective jib weight to be subtracted from Boom capacity chart if load is raised on Boom point when jib is assembled on Boom.

**80 Tons
Class 15-364**

CRANE LIFTING CAPACITIES

Boom				Crawlers Extended		Crawlers Retracted	Boom				Crawlers Extended	
Lgth.	Rad.	Ht.	Angle	45,000 Lb. C/wt	24,350 Lb. C/wt	24,350 Lb. C/wt	Lgth.	Rad.	Ht.	Angle	45,000 Lb. C/wt	24,350 Lb. C/wt
50'	15'	54.9'	76.2	*160,000	126,200	—	120'	25'	124.3'	79.5	69,950	50,200
	20'	53.3'	70.2	100,875	72,975	41,725		30'	123.2'	77.0	53,200	37,950
	25'	51.1'	64.0	70,625	50,900	30,800		35'	122.0'	74.6	42,650	30,200
	30'	48.4'	57.4	54,075	38,825	24,225		40'	120.5'	72.1	35,375	24,875
	35'	44.8'	50.3	43,650	31,200	19,800		45'	118.7'	69.5	30,075	20,975
	40'	40.0'	42.3	36,450	25,950	16,650		50'	116.7'	67.0	26,025	18,025
	45'	33.5'	33.0	31,200	22,100	14,275		60'	111.9'	61.7	20,275	13,800
	50'	23.5'	20.1	27,200	19,200	12,400		70'	105.9'	56.1	16,350	10,925
60'	15'	65.1'	78.5	*150,000	126,175	—	130'	80'	98.4'	50.1	13,525	8,850
	20'	63.9'	73.6	100,850	72,950	41,625		90'	89.0'	43.6	11,400	7,300
	25'	62.1'	68.5	70,575	50,850	30,675		100'	79.0'	36.1	9,725	6,075
	30'	59.9'	63.3	53,975	38,725	24,050		110'	60.7'	27.0	8,375	5,075
	35'	57.1'	57.8	43,500	31,075	19,625		120'	33.2'	12.9	7,325	4,325
	40'	53.6'	52.0	36,300	25,800	16,450	140'	30'	133.5'	78.0	53,075	37,825
	45'	49.2'	45.6	31,050	21,950	14,075		35'	132.3'	75.8	42,500	30,075
	50'	43.7'	38.5	27,025	19,000	12,200		40'	130.9'	73.5	35,225	24,725
70'	60'	25.2'	18.3	21,300	14,825	9,500		45'	129.3'	71.2	29,925	20,825
	16'	75.1'	79.3	*135,000	110,600	57,300		50'	127.5'	68.8	25,875	17,850
	20'	74.2'	76.0	100,825	72,925	41,475		60'	123.2'	64.0	20,100	13,625
	25'	72.8'	71.7	70,475	50,750	30,475		70'	117.7'	59.0	16,750	10,750
	30'	70.9'	67.4	53,850	38,575	23,850		80'	111.1'	53.7	13,350	8,675
	35'	68.6'	62.8	43,350	30,900	19,400		90'	102.9'	48.0	11,225	7,100
	40'	65.8'	58.1	36,100	25,600	16,200		100'	92.9'	41.8	9,550	5,875
	45'	62.3'	53.2	30,825	21,750	13,825	150'	110'	80.2'	34.6	8,200	4,900
80'	50'	58.2'	47.9	26,800	18,800	11,950		120'	63.1'	25.9	7,100	4,075
	60'	47.0'	35.5	21,075	14,600	9,250		130'	34.3'	12.4	6,175	3,400
	70'	26.7'	17.0	17,200	11,750	7,350		30'	143.7'	78.9	52,875	37,600
	17'	85.1'	80.0	*120,000	98,075	52,275		35'	142.6'	76.8	42,300	29,850
	20'	84.5'	77.8	100,800	72,900	41,375		40'	141.3'	74.7	35,025	24,525
	25'	83.2'	74.1	70,425	50,675	30,375		45'	139.9'	72.6	29,725	20,625
	30'	81.6'	70.3	53,750	38,500	23,725		50'	138.2'	70.4	25,675	17,675
	35'	79.6'	66.5	43,250	30,800	19,275	160'	60'	134.2'	66.0	19,900	13,425
90'	40'	77.3'	62.5	36,025	25,500	16,100		70'	129.3'	61.4	16,000	10,575
	45'	74.4'	58.4	30,725	21,625	13,700		80'	123.3'	56.7	13,175	8,500
	50'	71.1'	54.1	26,700	18,700	11,825		90'	116.0'	51.6	11,025	6,925
	60'	62.5'	44.6	20,975	14,500	9,125		100'	107.3'	46.2	9,375	5,700
	70'	50.1'	33.2	17,075	11,650	7,225		110'	96.6'	40.2	8,025	4,725
	80'	28.2'	15.9	14,275	9,575	5,850		120'	83.3'	33.3	6,925	3,900
	19'	94.9'	79.8	*110,250	79,825	44,350		130'	65.3'	24.9	6,000	3,225
	20'	94.7'	79.1	100,775	72,825	41,225		140'	35.3'	12.0	5,200	2,650
100'	25'	93.6'	75.9	70,325	50,600	30,200	150'	30'	153.9'	79.7	52,750	37,475
	30'	92.2'	72.6	53,625	38,350	23,525		35'	152.9'	77.7	42,150	29,700
	35'	90.4'	69.2	43,100	30,650	19,075		40'	151.7'	75.7	34,850	24,350
	40'	88.4'	65.8	35,850	25,325	15,875		45'	150.3'	73.8	29,525	20,450
	45'	85.9'	62.2	30,550	21,450	13,475		50'	148.8'	71.8	25,475	17,475
	50'	83.1'	58.6	26,500	18,500	11,600		60'	145.1'	67.7	19,700	13,225
	60'	76.0'	50.7	20,750	14,275	8,875		70'	140.5'	63.5	15,775	10,350
	70'	66.4'	41.9	16,850	11,425	7,000		80'	135.1'	59.1	12,950	8,275
110'	80'	53.0'	31.2	14,050	9,350	5,600	160'	90'	128.5'	54.6	10,800	6,700
	90'	29.5'	14.9	11,900	7,800	4,550		100'	120.8'	49.7	9,125	5,475
	20'	104.9'	80.2	100,750	72,850	41,075		110'	111.5'	44.5	7,775	4,475
	25'	103.9'	77.3	70,200	50,475	30,025		120'	100.2'	38.8	6,675	3,675
	30'	102.6'	74.4	53,475	38,225	23,350		130'	86.2'	32.2	5,750	2,975
	35'	101.1'	71.4	42,925	30,500	18,900		140'	67.5'	24.1	4,950	2,400
	40'	99.2'	68.3	35,675	25,175	15,700		150'	36.4'	11.6	4,275	1,925
	45'	97.1'	65.2	30,375	21,275	13,300	160'	35'	163.1'	78.5	42,025	29,575
110'	50'	94.6'	62.0	26,325	18,325	11,425		40'	162.0'	76.6	34,725	24,225
	60'	88.5'	55.3	20,575	14,100	8,700		45'	160.0'	74.6	29,400	20,300
	70'	80.6'	48.0	16,675	11,250	6,800		50'	159.3'	72.9	25,325	17,300
	80'	70.2'	39.7	13,850	9,175	5,400		60'	155.8'	69.2	19,525	13,050
	90'	55.7'	29.6	11,725	7,600	4,350		70'	151.6'	65.3	15,600	10,175
	100'	30.8'	14.2	10,050	6,375	3,500		80'	146.6'	61.3	12,775	8,100
	25'	114.1'	78.5	69,975	50,250	29,750		90'	140.6'	57.1	10,625	6,525
	30'	113.0'	75.8	53,225	37,975	23,075		100'	133.6'	52.7	8,950	5,275
110'	35'	111.6'	73.1	42,675	30,225	18,600	160'	110'	125.3'	48.1	7,600	4,300
	40'	109.9'	70.4	35,400	24,900	15,400		120'	115.5'	43.0	6,475	4,375
	45'	108.0'	67.6	30,100	21,000	13,000		130'	103.7'	37.5	5,550	2,800
	50'	105.8'	64.7	26,050	18,050	11,125		140'	89.0'	31.1	4,775	2,225
	60'	100.4'	58.8	20,300	13,825	8,375		150'	69.6'	23.3	4,100	1,725
	70'	93.6'	52.5	16,375	10,950	6,500		160'	37.4'	11.2	3,500	—
	80'	84.9'	45.6	13,550	8,875	5,100						
	90'	73.7'	37.8	11,425	7,325	4,025						
	100'	58.3'	28.2	9,750	6,100	3,200						
	110'	32.0'	13.5	8,400	5,100	2,525						

THIS CHART IS BASED UPON:

1. Loads marked by * are the maximum loads permitted by the structural strength of the parts and are not based upon the stability of the machine.
2. All other loads are based upon the stability of the machine, and do not exceed 75% of the tipping loads in the least stable direction.
3. Machine to be level on firm solid support; shock and side loads are to be prevented.
4. All hook blocks, lifting tackle, and jib attachments are considered a part of the load to be lifted.
5. Exceeding the capacities shown on this chart or altering the counterweight nullifies all

Maximum Counterweight: Crawlers Extended 45,800 Lbs.
Crawlers Retracted 24,350 Lbs.

Crawlers Retracted	Boom				Crawlers Extended		Crawlers Retracted	Capacities Below Include Jib — See Jib Data		
24,350 Lb. C'w't	Lgth.	Rad.	Ht.	Angle	45,800 Lb. C'w't	24,350 Lb. C'w't	24,350 Lb. C'w't	Boom Plus Jib		Crawlers Extended 45,800 Lb. C'w't
29,700	170'	35'	173.3'	79.2	41,825	29,375	(180' + 30')	Lgth.	Load Rad.	18,700
23,050		40'	172.2'	77.4	34,500	24,000				
18,575		45'	171.0'	75.7	29,150	20,075				
15,375		50'	169.7'	74.0	25,075	17,075				
12,975		60'	166.5'	70.4	19,275	12,800				
11,100		70'	162.6'	66.8	15,350	9,900				
8,350		80'	157.9'	63.1	12,500	7,825				
6,475		90'	152.4'	59.2	10,350	6,250				
5,075		100'	145.9'	55.2	8,675	5,000				
4,000		110'	138.4'	51.0	7,300	4,000				
3,175		120'	129.7'	46.5	6,200	3,200				
2,500		130'	119.4'	41.7	5,275	2,500				
1,975		140'	107.0'	36.3	4,475	1,925				
		150'	91.8'	30.2	3,800					
22,850	180'	160'	71.6'	22.6	3,200		(170' + 50')	Lgth.	Load Rad.	10,000
18,375		170'	36.3'	10.9	* 2,575					
15,175		35'	183.4'	79.8	41,700	29,250				
12,775		40'	182.5'	78.2	34,375	23,875				
10,900		45'	181.3'	76.5	29,025	19,925				
8,175		50'	180.1'	74.9	24,950	16,925				
6,275		60'	177.1'	71.6	19,150	12,675				
4,875		70'	173.4'	68.2	15,200	9,775				
3,825		80'	169.0'	64.7	12,350	7,675				
2,975		90'	163.9'	61.1	10,250	6,100				
2,300		100'	158.0'	57.4	8,525	4,850				
1,725		110'	151.1'	53.5	7,175	3,850				
		120'	143.1'	49.5	6,050	3,050				
22,625	190'	130'	133.9'	45.1	5,125	2,350				
18,150		140'	123.1'	40.5	4,325	1,775				
14,975		150'	110.2'	35.3	3,650					
12,550		160'	94.4'	29.3	3,050					
10,700		170'	73.6'	21.9	2,550					
7,975		180'	39.3'	10.6	* 2,000					
6,075	200'	40'	192.7'	78.8	34,250	23,750				
4,700		45'	191.6'	77.2	28,900	19,800				
3,625		50'	190.4'	75.7	24,800	16,775				
2,775		60'	187.6'	72.6	18,950	12,475				
2,100		70'	184.1'	69.4	15,000	9,575				
1,550		80'	180.0'	66.1	12,150	7,475				
		90'	175.2'	62.8	9,975	5,875				
22,425		100'	169.7'	59.3	8,300	4,625				
17,950		110'	163.3'	55.7	6,925	3,625				
14,750		120'	156.0'	52.0	5,825	2,800				
12,350		130'	147.7'	48.1	4,875	2,125				
10,475		140'	138.0'	43.1	4,100	1,525				
7,725		150'	126.7'	39.3	3,400					
5,825		160'	113.4'	34.3	2,825					
4,450	200'	170'	92.0'	28.5	2,300					
3,375		180'	75.5'	21.4	1,825					
2,550		40'	202.9'	79.4	34,000	23,475				
1,850		45'	201.9'	77.9	28,625	19,550				
		50'	200.7'	76.4	24,550	16,525				
		60'	198.0'	73.5	18,725	12,250				
		70'	194.8'	70.4	14,775	9,350				
		80'	190.9'	67.4	11,925	7,250				
		90'	186.4'	64.2	9,775	5,675				
		100'	181.2'	61.0	8,075	4,425				
		110'	175.3'	57.7	6,725	3,425				
		120'	168.5'	54.2	5,625	2,600				
		130'	160.8'	50.6	4,675	1,925				
		140'	152.1'	46.8	3,900					
		150'	142.0'	42.7	3,200					
		160'	130.3'	38.3	2,625					
		170'	116.4'	33.4	2,100					
		180'	99.5'	27.8	1,650					

- warranties.
- Over the side is the least stable direction.
 - Capacities above the dotted lines require a wire rope length greater than furnished as standard with the machine.
 - WHEN THE MACHINE IS EQUIPPED WITH 45,800 LBS. OF COUNTERWEIGHT, AND THE CRAWLERS RETRACTED, THE COUNTERWEIGHT MUST NOT BE SWUNG OVER THE SIDE OF THE MACHINE.