

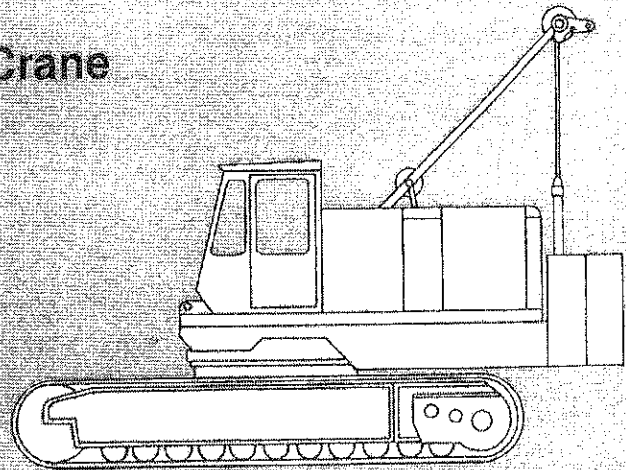


CLARK

700-HC

Specifications

Crawler Crane

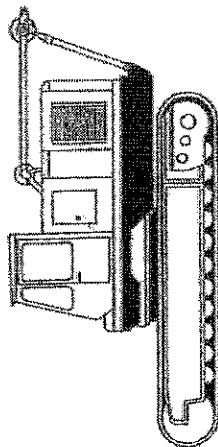




LIMA 700-HC

WEIGHTS OF COMPONENT PARTS

BASIC MACHINE:



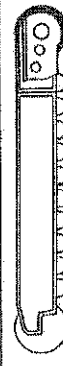
Equipment includes: fabricated truck and rotating base; environmental cab; standard crawlers 20'-1" (6.12m) length; 30" (76cm) treads; anti-friction bearing swing circle and integral swing gear; diesel engine; precision boom hoist with power controlled boom lowering; mechanical hoist brakes; air controls;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

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

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.)

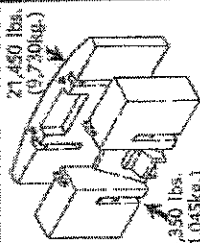


SIDE FRAMES:
 w/o Treads Ea. 8,430 lbs. (3,823kg.)

CRANE ATTACHMENT:

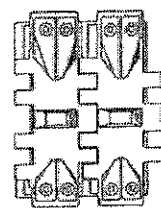
(Incl. Cables) 7,345 lbs. (3,332kg.)
 Add'l Rotating Parts 635 lbs. (288kg.)
 Total Attachment Wt. 7,980 lbs. (3,620kg.)

COUNTERWEIGHTS:



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

CRAWLER BELTS:



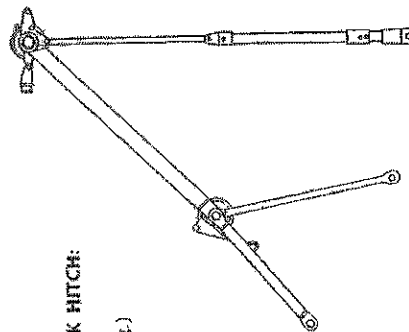
Tread Size Weight Per Belt
 30" (76cm) 5,460 lbs. (2,477kg.)
 35" (89cm) 6,450 lbs. (2,926kg.)
 42" (107cm) 7,335 lbs. (3,327kg.)

52 TREADS PER BELT

TELESCOPIC BACK HITCH:

GANTRY:

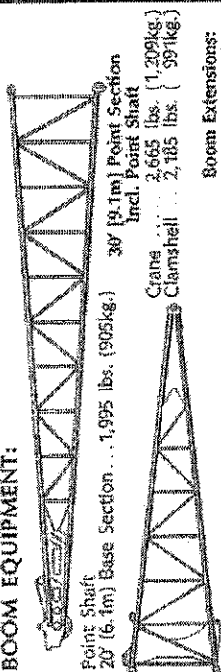
2,060 lbs. (934kg.)



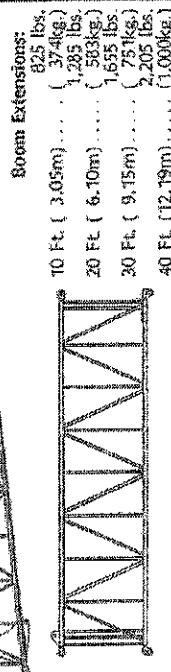
CABLES:

Attachment	Basic Cable Weights	For Each Add'l 10 Feet of Boom	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 465 lbs. (220kg.)
Clamshell	190 lbs. (86kg.)	20 lbs. (9.1kg.)	

BOOM EQUIPMENT:



Point Shaft
 20' (6.1m) Base Section 1,995 lbs. (905kg.)
 30' (9.1m) Point Section Incl. Point Shaft
 Crane 2,665 lbs. (1,209kg.)
 Clamshell 2,185 lbs. (991kg.)



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

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.)



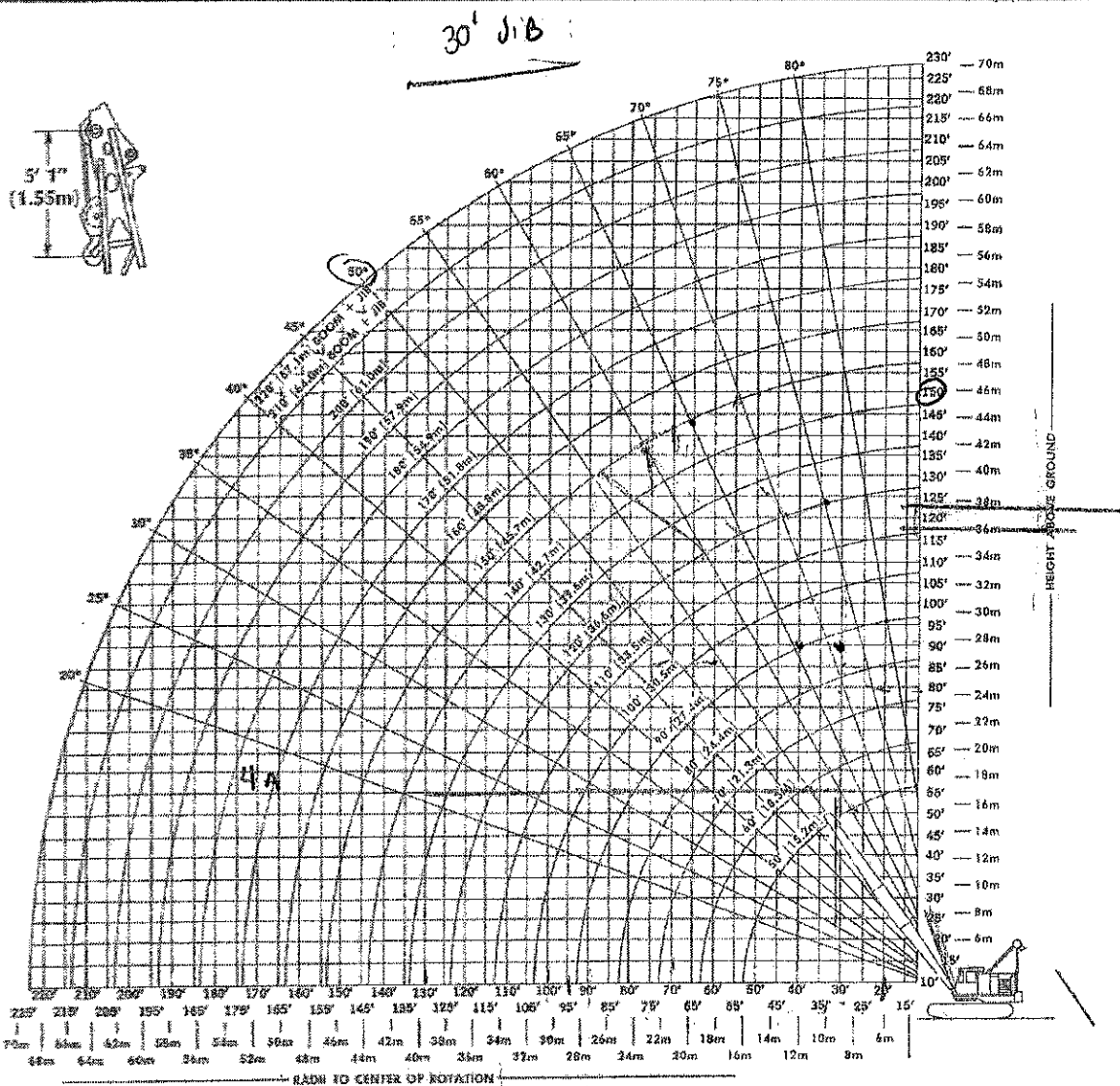
HEAVY DUTY JIB:

20' (6.1m) Basic Jib Assembly Complete 1,020 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.



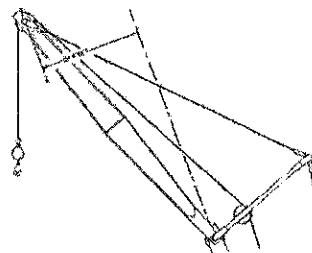
CRANE WORKING RANGES



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 1/4" (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 3 1/4" (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	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			
60'	50'	23.5'	20.1	27,200	19,200	12,400	130'	70'	105.9'	56.1	16,350	10,925			
	15'	65.1'	78.5	*150,000	126,175	126,175		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				
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				
70'	30'	70.9'	67.4	53,850	38,575	23,850	150'	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		110'	80.2'	34.6	8,200	4,900			
	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		160'	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	60'	134.2'		66.0	19,900	13,425				
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				
80'	50'	71.1'	54.1	26,700	18,700	11,825	170'	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			
	25'	93.6'	75.9	70,325	50,600	30,200		180'	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				
90'	80'	53.0'	31.2	14,050	9,350	5,600	190'	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			
100'	45'	97.1'	65.2	30,375	21,275	13,300	200'	35'	163.1'	78.5	42,025	29,575			
	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			
110'	25'	114.1'	78.5	69,975	50,250	29,750	210'	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			
	35'	111.6'	73.1	42,675	30,225	18,600		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	3,375			
	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	220'	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										



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. Cw't	Lgth.	Rad.	Ht.	Angle	45,800 Lb. Cw't	24,350 Lb. Cw't	24,350 Lb. Cw't	Boom Plus Jib	Crawlers Extended 45,800 Lb. Cw't	
29,700	170'	35'	173.3'	79.2	41,825	29,375		Lgth.	Load Rad.	
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					
18,375		170'	38.3'	10.9	* 2,575					
15,175										
12,775		35'	183.4'	79.8	41,700	29,250				
10,900		40'	182.5'	78.2	34,375	23,875				
8,175		45'	181.3'	76.5	29,025	19,925				
6,275		50'	180.1'	74.9	24,950	16,925				
4,875		60'	177.1'	71.6	19,150	12,675				
3,825		70'	173.4'	68.2	15,200	9,775				
2,975		80'	169.0'	64.7	12,350	7,675				
2,300		90'	163.9'	61.1	10,250	6,100				
1,725		100'	158.0'	57.4	8,525	4,850				
		110'	151.1'	53.5	7,175	3,850				
22,625	190'	120'	143.1'	49.5	6,050	3,050				
18,150		130'	133.9'	45.1	5,125	2,350				
14,975		140'	123.1'	40.5	4,325	1,775				
12,550		150'	110.2'	35.3	3,650					
10,700		160'	94.4'	29.3	3,050					
7,975		170'	73.6'	21.9	2,550					
6,075		180'	39.3'	10.6	* 2,000					
4,700										
3,625		40'	192.7'	78.8	34,250	23,750				
2,775		45'	191.6'	77.2	28,900	19,800				
2,100		50'	190.4'	75.7	24,800	16,775				
1,550		60'	187.6'	72.6	18,950	12,475				
	200'	70'	184.1'	69.4	15,000	9,575				
22,425		80'	180.0'	66.1	12,150	7,475				
17,950		90'	175.2'	62.8	9,975	5,875				
14,750		100'	169.7'	59.3	8,300	4,625				
12,350		110'	163.3'	55.7	6,925	3,625				
10,475		120'	156.0'	52.0	5,825	2,800				
7,725		130'	147.7'	48.1	4,875	2,125				
5,825		140'	138.0'	43.1	4,100	1,525				
4,450		150'	126.7'	39.3	3,400					
3,375		160'	113.4'	34.3	2,825					
2,550		170'	92.0'	28.5	2,300					
1,850		180'	75.5'	21.4	1,825					
		40'	202.9'	79.4	34,000	23,475				
		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.