



LIFTCRANE CAPACITIES

3900W SERIES-2 CRAWLER

**BOOM NO. 9 WITH OPEN THROAT TOP
 USING 10', 20', AND 40' INSERTS
 24'0" CRAWLERS — 84,600 LB. COUNTERWEIGHT**

LIFTING CAPACITIES: Capacities for various boom lengths and operating radii may be based on per cent of tipping, strength of structural components, operating speeds and other factors.

Capacities are for freely suspended loads and do not exceed 75% of a static load required to tip machine with boom across crawlers. Capacities indicated by "B" represent boom positions which, without load and with crawlers retracted, provide less than standard backward stability. Do not swing machine without boom when crawlers are retracted. Capacities based on structural competence are shown by shaded areas.

Capacities are shown in pounds. Weight of jib, (see chart A), all load blocks, hooks, weight ball, slings, hoist lines beneath boom and jib point sheaves, etc., is considered part of the main boom load. Boom is not to be lowered beyond radii where combined weights are greater than rated capacity. Where no capacity is shown, operation is not intended or approved.

OPERATING CONDITIONS: Machine to operate in level position on a firm surface with gantry in working position and under conditions referred to in rigging drawing No. 48782 and load line specification chart No. 5344.

Crane operator judgment must be used to allow for dynamic load effects of swinging, hoisting or lowering, travel as well as adverse operating conditions or physical machine depreciation.

OPERATING RADIUS: Operating radius is the horizontal distance from the axis of rotation to the center of vertical hoist line or load block with the load freely suspended. Add 11" to boom point radius for radius of sheave when using single part hoist line.

Boom angle is the angle between horizontal and centerline of boom butt and inserts and is an indication of operating radius. In all cases, operating radius shall govern capacity.

BOOM POINT ELEVATION: Boom point elevation, in feet, is the vertical distance from ground level to centerline of boom point shaft.

MACHINE EQUIPMENT: Machine equipped with 24'0" extendible crawlers, 48" treads, 16' retractable gantry, 10 or 12 part boom hoist reeving, two 1½" pendants, 1st cwt. 43,000 lbs., 2nd cwt. 30,000 lbs., 3rd cwt. 11,600 lbs. Total counterweight 84,600 pounds.

HOIST REEVING FOR MAIN LOAD BLOCK						
No. Parts of Line	1	2	3	4	5	6
Max. Load — Lbs.	25,800	51,600	77,400	103,200	129,000	154,800
No. Parts of Line	7	8	9	10	11	
Max. Load — Lbs.	180,600	206,400	232,200	258,000	280,000	

LOAD AND WHIP LINE SPECIFICATIONS	
LOAD LINE:	1" — 6x25 Filler Wire, Extra Improved Plow Steel, Regular Lay, IWRC. Minimum Breaking Strength 51.7 Ton.
WHIP LINE:	1" — 6x25 Filler Wire, Improved Plow Steel, Regular Lay, IWRC. Minimum Breaking Strength 44.9 Ton. Maximum Load — 22,500 lbs. per Line.

MAXIMUM BOOM AND JIB LENGTHS LIFTED UNASSISTED					
OVER FRONT OF BLOCKED CRAWLERS			OVER SIDE OF EXTENDED CRAWLERS		
Bm. Lgth.	Jib No. 123	Jib No. 124	Bm. Lgth.	Jib No. 123	Jib No. 124
250'	—	—	230'	—	—
240'	30'	50'	220'	—	30'
230'	50'	60'	210'	40'	60'
220'	60'	60'	200'	60'	60'
OVER SIDE OF RETRACTED CRAWLERS			(A) DEDUCT FROM CAPACITIES WHEN JIB IS ATTACHED		
Bm. Lgth.	Jib No. 123	Jib No. 124	Jib Lgth.	Jib No. 123	Jib No. 124
220'	—	—	30'	2,500 lb.	1,800 lb.
210'	—	40'	40'	3,100 lb.	2,050 lb.
200'	40'	60'	50'	3,700 lb.	2,300 lb.
190'	60'	60'	60'	4,400 lb.	2,500 lb.

Load block, hook and weight ball on ground at start.

For jib capacities, consult jib chart.

Boom Lgth.: Feet	Oper. Rad.: Feet	Bm. Ang.: Deg.	Boom Point: Elev.	Capacity: Crawlers Retracted	Capacity: Crawlers Extended
15	79.4		65.8	280,000B	280,000
16	78.5		65.6	258,400B	269,300
17	77.5		65.4	232,500B	256,000
18	76.5		65.2	211,300B	244,000
19	75.5		64.9	193,600B	233,000
20	74.5		64.7	178,500B	217,200
22	72.5		64.1	154,400B	185,400
24	70.5		63.4	135,900B	161,500
26	68.5		62.7	121,200B	143,000
28	66.4		61.8	109,400B	128,200
30	64.3		60.9	99,500B	116,100
32	62.2		59.9	91,300B	106,000
34	60.0		58.8	84,200B	97,500
36	57.8		57.6	78,100B	90,200
38	55.5		56.3	72,800B	83,800
40	53.1		54.9	68,200B	78,300
45	46.9		50.7	58,700B	67,100
50	39.9		45.4	51,300B	58,600
55	31.8		38.5	45,600B	51,800
60	21.0		28.4	40,800B	46,400
15	81.0		76.0	261,200B	261,200
16	80.1		75.8	256,200B	256,200
17	79.3		75.6	232,200B	251,500
18	78.5		75.4	211,000B	243,200
19	77.6		75.2	193,300B	232,200
20	76.8		75.0	178,200B	217,000
22	75.1		74.5	154,100B	185,100
24	73.4		73.9	135,600B	161,200
26	71.7		73.3	120,900B	142,700
28	69.9		72.6	109,000B	127,900
30	68.2		71.8	99,200B	115,800
32	66.4		71.0	90,900B	105,700
34	64.6		70.1	83,900B	97,100
36	62.8		69.1	77,800B	89,800
38	60.9		68.0	72,500B	83,500

Boom Lgth.: Feet	Oper. Rad.: Feet	Bm. Ang.: Deg.	Boom Point: Elev.	Capacity: Crawlers Retracted	Capacity: Crawlers Extended
40	59.1		66.9	67,800B	78,000
45	54.1		63.6	58,300B	66,700
50	48.9		59.6	51,000B	58,200
55	43.2		54.8	45,200B	51,500
60	36.9		48.9	40,500B	46,100
65	29.4		41.2	36,600B	41,600
70	19.5		30.2	33,300B	37,800
16	81.4		85.9	238,100B	238,100
17	80.6		85.8	232,000B	233,800
18	79.9		85.6	210,800B	229,700
19	79.2		85.4	193,000B	225,800
20	78.5		85.2	178,000B	216,800
22	77.0		84.8	153,800B	184,900
24	75.5		84.3	135,300B	161,000
26	74.0		83.8	120,700B	142,500
28	72.5		83.2	108,800B	127,700
30	71.0		82.5	98,900B	115,500
32	69.5		81.8	90,700B	105,400
34	68.0		81.0	83,600B	96,900
36	66.4		80.2	77,500B	89,600
38	64.8		79.3	72,200B	83,300
40	63.3		78.3	67,500B	77,700
45	59.2		75.5	58,000B	66,500
50	54.9		72.3	50,700B	57,900
55	50.4		68.5	44,900B	51,200
60	45.6		64.0	40,200B	45,800
65	40.3		58.6	36,300B	41,300
70	34.4		52.1	33,000B	37,600
75	27.4		43.7	30,200B	34,400
80	18.2		31.8	27,800B	31,600

Boom Lgth.: Feet	Oper. Rad.: Feet	Bm. Ang.: Deg.	Boom Point: Elev.	Capacity: Crawlers Retracted	Capacity: Crawlers Extended
18	81.1		95.8	210,500B	214,100
19	80.4		95.6	192,700B	210,600
20	79.8		95.4	177,700B	207,200
22	78.5		95.0	153,500B	184,700
24	77.2		94.6	135,000B	160,700
26	75.9		94.1	120,300B	142,200
28	74.5		93.6	108,400B	127,300
30	73.2		93.0	98,600B	115,200
32	71.9		92.4	90,300B	105,100
34	70.5		91.7	83,200B	96,600
36	69.2		91.0	77,100B	89,200
38	67.8		90.2	71,800B	82,900
40	66.4		89.3	67,200B	77,400
45	62.9		87.0	57,600B	66,100
50	59.3		84.2	50,300B	57,600
55	55.5		81.0	44,500B	50,800
60	51.5		77.3	39,800B	45,400
65	47.3		73.0	35,900B	40,900
70	42.8		68.0	32,600B	37,200
75	37.9		62.2	29,800B	34,000
80	32.4		55.1	27,400B	31,200
85	25.8		46.1	25,300B	28,800
90	17.1		33.4	23,400B	26,700

Capacities continued on reverse side.

SEE CONDITIONS ON REVERSE SIDE

Boom Lgh.: Feet	Oper. Rad.: Feet	Bm. Ang.: Deg.	Boom Point: Elev.	Capacity: Crawlers Retracted	Capacity: Crawlers Extended	Boom Lgh.: Feet	Oper. Rad.: Feet	Bm. Ang.: Deg.	Boom Point: Elev.	Capacity: Crawlers Retracted	Capacity: Crawlers Extended	Boom Lgh.: Feet	Oper. Rad.: Feet	Bm. Ang.: Deg.	Boom Point: Elev.	Capacity: Crawlers Retracted	Capacity: Crawlers Extended
19	81.4	105.7	192.500B	196,100	196,100	26	81.0	145.1	118.900B	136,200	136,200	30	81.2	174.9	96,300	106,700	
20	80.8	105.6	177.400B	193,100	193,100	28	80.1	144.8	107,000	126,100	126,100	32	80.5	174.5	88,000	103,000	
22	79.6	105.2	153.200B	184,400	184,400	30	79.3	144.4	97,100	113,900	113,900	34	79.8	174.2	80,900	94,400	
24	78.5	104.8	134.700B	160,500	160,500	32	78.5	144.0	82,800	103,800	103,800	36	79.2	173.8	74,800	87,100	
26	77.3	104.4	120.000B	141,900	141,900	34	77.6	143.6	81,800	95,200	95,200	38	78.5	173.4	69,500	80,700	
28	76.1	103.9	108.100B	127,100	127,100	36	76.8	143.1	75,700	87,900	87,900	40	77.8	173.0	64,800	75,100	
30	74.9	103.4	98.300B	114,900	114,900	38	75.9	142.7	70,300	81,500	81,500	45	76.0	171.8	55,200	63,800	
32	73.7	102.9	90.000B	104,800	104,800	40	75.1	142.1	65,700	75,900	75,900	50	74.3	170.5	47,900	55,200	
34	72.5	102.2	82.900B	96,300	96,300	45	73.0	140.7	56,100	64,700	64,700	55	72.5	169.0	42,100	48,500	
36	71.3	101.6	76,800	89,000	89,000	50	70.8	139.1	48,800	56,100	56,100	60	70.8	167.4	37,300	43,000	
38	70.1	100.9	71,500	82,600	82,600	55	68.6	137.2	42,900	49,300	49,300	65	69.0	165.5	33,400	38,500	
40	68.9	100.1	66,900	77,100	77,100	60	66.4	135.2	38,200	43,900	43,900	70	67.2	163.5	30,100	34,700	
45	65.8	98.1	57,300	65,800	65,800	65	64.2	132.9	34,300	39,400	39,400	75	65.3	161.3	27,300	31,500	
50	62.6	95.6	50,000	57,300	57,300	70	61.9	130.3	31,000	35,600	35,600	80	63.4	158.9	24,900	28,800	
55	59.3	92.9	44,200	50,500	50,500	75	59.5	127.5	28,200	32,400	32,400	85	61.5	156.3	22,800	26,400	
60	55.9	89.7	39,500	45,100	45,100	80	57.1	124.4	25,800	29,700	29,700	90	59.6	153.5	20,900	24,300	
65	52.4	86.1	35,600	40,600	40,600	85	54.6	121.0	23,700	27,300	27,300	95	57.6	150.4	19,300	22,400	
70	48.7	82.0	32,300	36,900	36,900	90	52.1	117.3	21,800	25,200	25,200	100	55.6	147.2	17,800	20,700	
75	44.8	77.3	29,500	33,700	33,700	95	49.5	113.2	20,200	23,300	23,300	105	53.6	143.6	16,500	19,200	
80	40.5	71.8	27,100	30,900	30,900	100	46.7	108.8	18,700	21,600	21,600	110	51.4	139.8	15,300	17,900	
85	35.9	65.5	25,000	28,500	28,500	105	43.8	103.8	17,400	20,100	20,100	115	49.2	135.6	14,200	16,700	
90	30.7	57.9	23,100	26,400	26,400	110	40.8	98.3	16,200	18,800	18,800	120	47.0	131.1	13,200	15,600	
95	24.5	48.3	21,500	24,600	24,600	115	37.5	92.2	15,100	17,600	17,600	125	44.6	126.3	12,300	14,500	
100	16.3	34.9	20,000	22,900	22,900	120	34.0	85.2	14,100	16,500	16,500	130	42.2	121.0	11,400	13,600	
						125	30.2	77.3	13,200	15,400	15,400	135	39.6	115.2	10,700	12,700	
22	80.6	115.4	152.900B	174,700	174,700	130	25.8	67.9	12,400	14,500	14,500	140	36.9	108.9	10,000	11,900	
24	79.5	115.0	134.400B	160,200	160,200	135	20.7	56.2	11,600	13,700	13,700	145	34.0	101.8	9,300	11,200	
26	78.5	114.6	119.700B	141,600	141,600	28	80.8	154.9	106,600	124,000	124,000	150	30.8	93.9	8,700	10,500	
28	77.4	114.2	107.800B	126,800	126,800	30	80.0	154.6	96,800	113,600	113,600	155	27.3	85.0	8,100	9,900	
30	76.3	113.7	97.900B	114,600	114,600	32	79.2	154.2	88,500	103,400	103,400	160	23.4	74.4	7,600	9,300	
32	75.3	113.2	89.600B	104,500	104,500	34	78.5	153.8	81,400	94,900	94,900	165	18.7	61.4	7,100	8,700	
34	74.2	112.7	82,600	95,900	95,900	36	77.7	153.4	75,300	87,500	87,500	32	81.1	184.7	87,700	97,100	
36	73.1	112.1	76,500	88,600	88,600	38	76.9	153.0	70,000	81,100	81,100	34	80.4	184.3	80,600	94,100	
38	72.0	111.5	71,200	82,300	82,300	40	76.1	152.5	65,300	75,600	75,600	36	79.8	184.0	74,500	86,700	
40	70.9	110.8	66,500	76,700	76,700	45	74.1	151.1	55,700	64,300	64,300	38	79.1	183.6	69,200	80,400	
45	68.1	108.9	56,900	65,500	65,500	50	72.1	149.6	48,400	55,700	55,700	40	78.5	183.2	64,500	74,800	
50	65.3	106.8	49,600	56,900	56,900	55	70.1	147.9	42,600	49,000	49,000	45	76.8	182.1	54,900	63,500	
55	62.4	104.3	43,800	50,200	50,200	60	68.1	146.0	37,800	43,500	43,500	50	75.2	180.9	47,500	54,900	
60	59.4	101.5	39,100	44,700	44,700	65	66.0	143.9	33,900	39,000	39,000	55	73.5	179.5	41,700	48,100	
65	56.3	98.4	35,200	40,200	40,200	70	63.9	141.6	30,600	35,200	35,200	60	71.9	177.9	37,000	42,700	
70	53.1	94.9	31,900	36,500	36,500	75	61.7	139.0	27,800	32,000	32,000	65	70.2	176.2	33,100	38,200	
75	49.8	90.9	29,100	33,300	33,300	80	59.6	136.2	25,400	29,300	29,300	70	68.5	174.3	29,800	34,400	
80	46.3	86.4	26,700	30,500	30,500	85	57.3	133.1	23,300	26,900	26,900	75	66.8	172.3	27,000	31,200	
85	42.6	81.3	24,600	28,100	28,100	90	55.0	129.8	21,400	24,800	24,800	80	65.0	170.0	24,500	28,400	
90	38.6	75.4	22,700	26,000	26,000	95	52.7	126.1	19,800	22,900	22,900	85	63.3	167.6	22,400	26,000	
95	34.2	68.7	21,100	24,200	24,200	100	50.2	122.1	18,300	21,200	21,200	90	61.5	165.0	20,600	23,900	
100	29.2	60.6	19,600	22,500	22,500	105	47.7	117.8	17,000	19,700	19,700	95	59.6	162.2	18,900	22,000	
105	23.3	50.4	18,300	21,000	21,000	110	45.0	113.0	15,800	18,400	18,400	100	57.8	159.1	17,400	20,400	
110	15.5	36.2	17,100	19,700	19,700	115	42.3	107.7	14,700	17,200	17,200	105	55.9	155.8	16,100	18,900	
22	81.4	125.5	152.900B	163,900	163,900	120	39.3	102.0	13,700	16,100	16,100	110	53.9	152.3	14,900	17,500	
24	80.4	125.2	134.300B	159,700	159,700	125	36.2	95.5	12,800	15,000	15,000	115	51.9	148.6	13,800	16,300	
26	79.4	124.8	119.600B	141,600	141,600	130	32.9	88.2	12,000	14,100	14,100	120	49.9	144.5	12,800	15,200	
28	78.5	124.4	107.700B	126,700	126,700	135	29.2	79.9	11,200	13,300	13,300	125	47.8	140.1	11,900	14,200	
30	77.5	124.0	97.900B	114,600	114,600	140	25.0	70.1	10,500	12,500	12,500	130	45.6	135.4	11,100	13,300	
32	76.5	123.5	89,600	104,500	104,500	145	19.9	58.0	9,800	11,700	11,700	135	43.3	130.3	10,300	12,400	
34	75.5	123.0	82,500	95,900	95,900	28	81.4	165.0	106,500	116,200	116,200	140	40.9	124.8	9,600	11,600	
36	74.5	122.5	76,400	88,600	88,600	30	80.6	164.7	96,600	113,400	113,400	145	38.4	118.7	9,000	10,900	
38	73.5	121.9	71,100	82,300	82,300	32	79.9	164.4	88,300	103,300	103,300	150	35.8	112.1	8,400	10,200	
40	72.5	121.3	66,400	76,700	76,700	34	79.2	164.0	81,300	94,700	94,700	155	33.0	104.8	7,800	9,500	
45	70.0	119.6	56,900	65,400	65,400	36	78.5	163.6	75,200	87,400	87,400	160	29.9	96.7	7,200	8,900	
50	67.5	117.7	49,600	56,900	56,900	38	77.7	163.2	69,800	81,000	81,000	165	26.6	87.3	6,700	8,400	
55	64.8	115.5	43,800	50,100	50,100	40	77.0	162.8	65,100	75,400	75,400	170	22.7	76.5	6,300	7,900	
60	62.2	113.0	39,000	44,700	44,700	45	75.2	161.5	55,600	64,200	64,200	175	18.2	63.1	5,800	7,400	
65	59.4	110.2	35,100	40,200	40,200	50	73.3	160.1	48,200	55,600	55,600	34	80.9	194.5	80,200	89,100	
70	56.6	107.1	31,800	36,400	36,400	55	71.4	158.5	42,400	48,800	48,800	36	80.3	194.1	74,100	86,400	
75	53.7	103.6	29,000	33,200	33,200	60	69.5	156.7	37,700	43,400	43,400	38	79.7	193.8	68,800	80,000	
80	50.7	99.7	26,600	30,500	30,500	65	67.6	154.8	33,800	38,900	38,900	40	79.1	193.4	64,100	74,500	
85	47.5	95.4	24,500	28,100	28,100	70	65.6	152.6	30,500	35,100	35,100	45	77.5	192.4	54,500	63,200	
90	44.2	90.5	22,600	26,000	26,000	75	63.7	150.2	27,700	31,900	31,900	50	76.0	191.2	47,200	54,600	
95	40.7	85.1	21,000	24,100	24,100	80	61.6	147.7	25,300	29,100	29,100	55	74.4	189.9	41,400	47,800	



LIFTCRANE CAPACITIES — 3900W SERIES-2
BOOM NO. 9 WITH OPEN THROAT TOP
USING 10', 20' AND 40' INSERTS, CONT'D.

SEE CONDITIONS ON FRONT PAGE

Boom Lgth.: Feet	Oper. Rad.: Feet	Bm. Ang.: Deg.	Boom Point: Elev.	Capacity: Crawlers Retracted	Capacity: Crawlers Extended	Boom Lgth.: Feet	Oper. Rad.: Feet	Bm. Ang.: Deg.	Boom Point: Elev.	Capacity: Crawlers Retracted	Capacity: Crawlers Extended	Boom Lgth.: Feet	Oper. Rad.: Feet	Bm. Ang.: Deg.	Boom Point: Elev.	Capacity: Crawlers Retracted	Capacity: Crawlers Extended
200						220						240					
34	81.4	204.6	80.100	81,500		38	81.1	224.2	63,500	63,500		45	80.2	243.3	49,000	49,000	
36	80.8	204.3	73,900	81,000		40	80.6	223.9	63,100	63,100		50	78.9	242.4	45,700	47,700	
38	80.2	203.9	68,600	79,900		45	79.3	223.0	53,700	62,300		55	77.7	241.4	39,900	46,400	
40	79.6	203.6	63,900	74,300		50	77.9	222.0	46,300	53,700		60	76.5	240.2	35,200	40,900	
45	78.2	202.6	54,400	63,000		55	76.6	220.9	40,500	46,900		65	75.3	239.0	31,200	36,400	
55	76.7	201.5	47,000	54,400		60	75.3	219.6	35,700	41,500		70	74.0	237.6	27,900	32,600	
55	75.2	200.2	41,200	47,600		65	73.9	218.2	31,800	37,000		75	72.8	236.1	25,100	29,400	
60	73.7	198.9	36,400	42,100		70	72.5	216.7	28,500	33,200		80	71.5	234.5	22,700	26,500	
65	72.2	197.3	32,500	37,600		75	71.2	215.1	25,700	30,600		85	70.3	232.8	20,600	24,200	
70	70.7	195.7	29,200	33,900		80	69.8	213.3	23,300	27,200		90	69.0	230.9	18,700	22,100	
75	69.2	193.8	26,400	30,600		85	68.4	211.4	21,100	24,800		95	67.7	228.9	17,000	20,200	
80	67.7	191.9	24,000	27,900		90	67.0	209.3	19,300	22,700		100	66.4	226.8	15,600	18,500	
85	66.1	189.7	21,900	25,500		95	65.6	207.2	17,600	20,800		105	65.1	224.6	14,200	17,000	
90	64.5	187.4	20,000	23,400		100	64.1	204.8	16,200	19,100		110	63.8	222.2	13,000	15,700	
95	62.9	185.0	18,300	21,500		105	62.7	202.3	14,800	17,600		115	62.5	219.6	12,000	14,500	
100	61.3	182.3	16,900	19,800		110	61.2	199.6	13,600	16,300		120	61.1	217.0	11,000	13,400	
105	59.7	179.5	15,500	18,300		115	59.7	196.8	12,500	15,100		125	59.7	214.1	10,100	12,300	
110	58.0	176.5	14,300	17,000		120	58.2	193.8	11,600	13,900		130	58.3	211.1	9,200	11,400	
115	56.3	173.2	13,300	15,800		125	56.6	190.6	10,600	12,900		135	56.9	207.9	8,500	10,500	
120	54.5	169.8	12,300	14,600		130	55.1	187.2	9,800	12,000		140	55.5	204.6	7,700	9,700	
125	52.8	166.1	11,400	13,600		135	53.5	183.6	9,000	11,100		145	54.0	201.1	7,100	9,000	
130	50.9	162.2	10,500	12,700		140	51.8	179.8	8,300	10,300		150	52.5	197.3	6,500	8,300	
135	49.1	158.0	9,800	11,800		145	50.1	175.7	7,700	9,600		155	51.0	193.4	5,900	7,700	
140	47.2	153.5	9,100	11,000		150	48.4	171.4	7,100	8,900		160	49.5	189.2	5,400	7,100	
145	45.2	148.7	8,400	10,300		155	46.7	166.9	6,500	8,300		165	47.9	184.8	4,900	6,500	
150	43.1	143.5	7,800	9,600		160	44.8	162.0	6,000	7,700		170	46.2	180.2	4,400	6,000	
155	41.0	138.0	7,200	9,000		165	43.0	156.8	5,500	7,100		175	44.6	175.3	3,900	5,500	
160	38.7	132.0	6,700	8,400		170	41.0	151.2	5,000	6,600		180	42.8	170.0	3,500	5,000	
165	36.4	125.5	6,200	7,800		175	39.0	145.3	4,500	6,100		185	41.0	164.5	3,100	4,600	
170	33.9	118.4	5,700	7,300		180	36.9	138.9	4,100	5,600		190	39.2	158.5	2,700	4,200	
175	31.2	110.6	5,300	6,800		185	34.6	131.9	3,700	5,200		195	37.3	152.2	2,300	3,800	
180	28.4	101.8	4,800	6,300		190	32.3	124.3	3,400	4,800		200	35.2	145.4	2,000	3,400	
185	25.2	91.9	4,500	5,900		195	29.8	116.0	3,000	4,400							
190	21.6	80.4	4,100	5,500		200	27.0	106.8	2,700	4,000							
195	17.3	66.2	3,700	5,100													
210						230						250					
36	81.2	214.4	70,800	70,800		40	81.0	234.0	55,400	55,400		45	80.6	253.5	40,500	40,500	
38	80.7	214.1	68,300	70,400		45	79.7	233.2	53,300	54,800		50	79.4	252.6	39,400	39,400	
40	80.1	213.7	63,600	70,300		50	78.5	232.2	46,000	53,400		55	78.2	251.6	38,500	38,500	
45	78.7	212.8	54,000	62,600		55	77.2	231.1	40,100	46,600		60	77.1	250.5	34,800	37,800	
50	77.3	211.8	46,600	54,000		60	75.9	229.9	35,400	41,100		65	75.9	249.3	30,900	36,000	
55	75.9	210.6	40,800	47,300		65	74.6	228.6	31,500	36,600		70	74.7	248.0	27,600	32,300	
60	74.5	209.2	36,100	41,800		70	73.3	227.2	28,200	32,800		75	73.5	246.6	24,800	29,000	
65	73.1	207.8	32,200	37,300		75	72.0	225.6	25,300	29,600		80	72.3	245.0	22,300	26,300	
70	71.7	206.2	28,900	33,500		80	70.7	223.9	22,900	26,800		85	71.1	243.4	20,200	23,800	
75	70.2	204.5	26,000	30,300		85	69.4	222.1	20,800	24,400		90	69.9	241.6	18,300	21,700	
80	68.8	202.6	23,600	27,500		90	68.0	220.2	18,900	22,300		95	68.7	239.7	16,700	19,900	
85	67.3	200.6	21,500	25,100		95	66.7	218.1	17,300	20,400		100	67.4	237.7	15,200	18,200	
90	65.8	198.4	19,600	23,000		100	65.3	215.9	15,800	18,800		105	66.2	235.5	13,900	16,700	
95	64.3	196.1	18,000	21,100		105	64.0	213.5	14,400	17,300		110	64.9	233.3	12,700	15,300	
100	62.8	193.6	16,500	19,500		110	62.6	211.0	13,300	15,900		115	63.6	230.9	11,600	14,100	
105	61.3	191.0	15,200	18,000		115	61.1	208.3	12,200	14,700		120	62.4	228.3	10,600	13,000	
110	59.7	188.1	14,000	16,600		120	59.7	205.5	11,200	13,600		125	61.1	225.6	9,700	12,000	
115	58.1	185.1	12,900	15,400		125	58.3	202.5	10,300	12,500		130	59.7	222.8	8,900	11,000	
120	56.5	181.9	11,900	14,300		130	56.8	199.3	9,400	11,600		135	58.4	219.8	8,100	10,200	
125	54.8	178.5	11,000	13,300		135	55.3	195.9	8,700	10,700		140	57.0	216.6	7,400	9,400	
130	53.1	174.9	10,200	12,300		140	53.8	192.3	8,000	9,900		145	55.7	213.3	6,700	8,600	
135	51.4	171.0	9,400	11,500		145	52.2	188.6	7,300	9,200		150	54.3	209.8	6,100	8,000	
140	49.6	166.9	8,700	10,700		150	50.6	184.6	6,700	8,500		155	52.8	206.1	5,500	7,300	
145	47.8	162.5	8,000	9,900		155	49.0	180.3	6,100	7,900		160	51.4	202.2	5,000	6,700	
150	46.0	157.8	7,400	9,200		160	47.3	175.9	5,600	7,300		165	49.9	198.1	4,500	6,200	
155	44.0	152.8	6,800	8,600		165	45.6	171.1	5,100	6,700		170	48.4	193.8	4,000	5,600	
160	42.0	147.4	6,300	8,000		170	43.8	166.1	4,600	6,200		175	46.8	189.2	3,600	5,100	
165	39.9	141.7	5,800	7,400		175	42.0	160.7	4,200	5,700		180	45.3	184.4	3,200	4,700	
170	37.8	135.5	5,300	6,900		180	40.1	154.9	3,700	5,200		185	43.6	179.3	2,800	4,200	
175	35.5	128.8	4,900	6,400		185	38.1	148.8	3,300	4,800		190	41.9	173.9	2,500	3,900	
180	33.1	121.4	4,500	6,000		190	36.0	142.1	3,000	4,400							
185	30.5	113.3	4,100	5,500		195	33.9	135.0	2,700	4,000							
190	27.7	104.3	3,700	5,100		200	31.6	127.2	2,400	3,600							
195	24.6	94.1	3,400	4,700													
200	21.0	82.2	3,000	4,400													

Combined From Charts:
 No. 6223-A 6-22-77
 No. 6223-B 6-22-77
 No. 5344 6-24-77
 No. 5355 6-20-77