

**MANITOWOC ENGINEERING CO.**

(A division of The Manitowoc Company, Inc.) Manitowoc, Wisconsin 54220

**LIFTCRANE CAPACITIES****3900W****BOOM NO. 9 WITH OPEN THROAT TOP
USING 10', 20', AND 40' INSERTS****SERIES-2****24'0" CRAWLERS — 84,600 LB. COUNTERWEIGHT****CRAWLER**

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 REEVEING 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	8m. Ang.: Deg.	Boom Point: Elev.	Capacity: Crawlers Retracted	Capacity: Crawlers Extended	Boom Lgth.: Feet	Oper. Rad.: Feet	8m. Ang.: Deg.	Boom Point: Elev.	Capacity: Crawlers Retracted	Capacity: Crawlers Extended	Boom Lgth.: Feet	Oper. Rad.: Feet	8m. Ang.: Deg.	Boom Point: Elev.	Capacity: Crawlers Retracted	Capacity: Crawlers Extended
60	15	79.4	65.8	280,000B	280,000	70	40	59.1	66.9	67,800B	78,000	90	18	81.1	95.8	210,500B	214,100
	16	78.5	65.6	258,400B	269,300		45	54.1	63.6	58,300B	66,700		19	80.4	95.6	192,700B	210,600
	17	77.5	65.4	232,500B	256,000		50	48.9	59.6	51,000	58,200		20	79.8	95.4	177,700B	207,200
	18	76.5	65.2	211,300B	244,000		55	43.2	54.8	45,200	51,500		22	78.5	95.0	153,500B	184,700
	19	75.5	64.9	193,600B	233,000		60	36.9	48.9	40,500	46,100		24	77.2	94.6	135,000B	160,700
	20	74.5	64.7	178,500B	217,200		65	29.4	41.2	36,600	41,600		26	75.9	94.1	120,300B	142,200
	22	72.5	64.1	154,400B	185,400	70	19.5	30.2	33,300	37,800	28		74.5	93.6	108,400B	127,300	
	24	70.5	63.4	135,900B	161,500	16	81.4	85.9	238,100B	238,100	30		73.2	93.0	98,600B	115,200	
	26	68.5	62.7	121,200B	143,000	17	80.6	85.8	232,000B	233,800	32		71.9	92.4	90,300B	105,100	
	28	66.4	61.8	109,400B	128,200	18	79.9	85.6	210,800B	229,700	34		70.5	91.7	83,200B	96,600	
	30	64.3	60.9	99,500B	116,100	19	79.2	85.4	193,000B	225,800	36		69.2	91.0	77,100B	89,200	
	32	62.2	59.9	91,300B	106,000	20	78.5	85.2	178,000B	216,800	38		67.8	90.2	71,800B	82,900	
	34	60.0	58.8	84,200B	97,500	22	77.0	84.8	153,800B	184,900	40		66.4	89.3	67,200	77,400	
	36	57.8	57.6	78,100B	90,200	24	75.5	84.3	135,300B	161,000	45		62.9	87.0	57,600	66,100	
	38	55.5	56.3	72,800B	83,800	26	74.0	83.8	120,700B	142,500	50		59.3	84.2	50,300	57,600	
	40	53.1	54.9	68,200B	78,300	28	72.5	83.2	108,800B	127,700	55		55.5	81.0	44,500	50,800	
	45	46.9	50.7	58,700B	67,100	30	71.0	82.5	98,900B	115,500	60		51.5	77.3	39,800	45,400	
	50	39.9	45.4	51,300B	58,600	32	69.5	81.8	90,700B	105,400	65		47.3	73.0	35,900	40,900	
55	31.8	38.5	45,600	51,800	34	68.0	81.0	83,600B	96,900	70	42.8	68.0	32,600	37,200			
60	21.0	28.4	40,800	46,400	36	66.4	80.2	77,500B	89,600	75	37.9	62.2	29,800	34,000			
70	15	81.0	76.0	261,200B	261,200	80	38	64.8	79.3	72,200B	83,300	80	32.4	55.1	27,400	31,200	
	16	80.1	75.8	256,200B	256,200		40	63.3	78.3	67,500B	77,700	85	25.8	46.1	25,300	28,800	
	17	79.3	75.6	232,200B	251,500		45	59.2	75.5	58,000	66,500	90	17.1	33.4	23,400	26,700	
	18	78.5	75.4	211,000B	243,200		50	54.9	72.3	50,700	57,900						
	19	77.6	75.2	193,300B	232,200		55	50.4	68.5	44,900	51,200						
	20	76.8	75.0	178,200B	217,000		60	45.6	64.0	40,200	45,800						
	22	75.1	74.5	154,100B	185,100		65	40.3	58.6	36,300	41,300						
	24	73.4	73.9	135,600B	161,200		70	34.4	52.1	33,000	37,600						
	26	71.7	73.3	120,900B	142,700		75	27.4	43.7	30,200	34,400						
	28	69.9	72.6	109,000B	127,900		80	18.2	31.8	27,800	31,600						
	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												

Capacities continued
on reverse side.

Capacities continued on reverse side.

Form No. 6223-A, 6-24-77/GAO



SEE CONDITIONS ON REVERSE SIDE

Boom Lgth.: Feet	Oper. Rad.: Feet	8m. Ang.: Deg.	Boom Point: Elev.	Capacity: Crawlers Retracted	Capacity: Crawlers Extended	Boom Lgth.: Feet	Oper. Rad.: Feet	8m. Ang.: Deg.	Boom Point: Elev.	Capacity: Crawlers Retracted	Capacity: Crawlers Extended	Boom Lgth.: Feet	Oper. Rad.: Feet	8m. Ang.: Deg.	Boom Point: Elev.	Capacity: Crawlers Retracted	Capacity: Crawlers Extended
100	19	81.4	105.7	192,500B	196,100	140	26	81.0	145.1	118,900B	116,200	170	30	81.2	174.9	96,300	106,700
	20	80.8	105.6	177,400B	193,100		28	80.1	144.8	107,000	126,100		32	80.5	174.5	88,000	103,000
	22	79.6	105.2	153,200B	184,400		30	79.3	144.4	97,100	113,900		34	79.8	174.2	80,900	94,400
	24	78.5	104.8	134,700B	160,500		32	78.5	144.0	86,800	103,800		36	79.2	173.8	74,800	87,100
	26	77.3	104.4	120,000B	141,900		34	77.6	143.6	81,800	95,200		38	78.5	173.4	69,500	80,700
	28	76.1	103.9	108,100B	127,100		36	76.8	143.1	75,700	87,900		40	77.8	173.0	64,800	75,100
	30	74.9	103.4	98,300B	114,900		38	75.9	142.7	70,300	81,500		45	76.0	171.8	55,200	63,800
	32	73.7	102.9	90,000B	104,800		40	75.1	142.1	65,700	75,900		50	74.3	170.5	47,900	55,200
	34	72.5	102.2	82,900B	96,300		45	73.0	140.7	56,100	64,700		55	72.5	169.0	42,100	48,500
	36	71.3	101.6	76,800	89,000		50	70.8	139.1	48,800	56,100		60	70.8	167.4	37,300	43,000
110	38	70.1	100.9	71,500	82,600	150	55	68.6	137.2	42,900	49,300	180	65	69.0	165.5	33,400	38,500
	40	68.9	100.1	66,300	77,100		60	66.4	135.2	38,200	43,900		70	67.2	163.5	30,100	34,700
	45	65.8	98.1	57,300	65,800		65	64.2	132.9	34,300	39,400		75	65.3	161.3	27,300	31,500
	50	62.6	95.6	50,000	57,300		70	61.9	130.3	31,000	35,600		80	63.4	158.9	24,900	28,800
	55	59.3	92.9	44,200	50,500		75	59.5	127.5	28,200	32,400		85	61.5	156.3	22,800	26,400
	60	55.9	89.7	39,500	45,100		80	57.1	124.4	25,800	29,700		90	59.6	153.5	20,900	24,300
	65	52.4	86.1	35,600	40,600		85	54.6	121.0	23,700	27,300		95	57.6	150.4	19,300	22,400
	70	48.7	82.0	32,300	36,900		90	52.1	117.3	21,800	25,200		100	55.6	147.2	17,800	20,700
	75	44.8	77.3	29,500	33,700		95	49.5	113.2	20,200	23,300		105	53.6	143.6	16,500	19,200
	80	40.5	71.8	27,100	30,900		100	46.7	108.8	18,700	21,600		110	51.4	139.8	15,300	17,900
120	85	35.9	65.5	25,000	28,500	160	105	43.8	103.8	17,400	20,100	190	115	49.2	135.6	14,200	16,700
	90	30.7	57.9	23,100	26,400		110	40.8	98.3	16,200	18,800		120	47.0	131.1	13,200	15,600
	95	24.5	48.3	21,500	24,600		115	37.5	92.2	15,100	17,600		125	44.6	126.3	12,300	14,500
	100	16.3	34.9	20,000	22,900		120	34.0	85.2	14,100	16,500		130	42.2	121.0	11,400	13,600
	22	80.6	115.4	152,900B	174,700		125	30.2	77.3	13,200	15,400		135	39.6	115.2	10,700	12,700
	24	79.5	115.0	134,400B	160,200		130	25.8	67.9	12,400	14,500		140	36.9	108.9	10,000	11,900
	26	78.5	114.6	119,700B	141,600		135	20.7	56.2	11,600	13,700		145	34.0	101.8	9,300	11,200
	28	77.4	114.2	107,800B	126,800		28	80.8	154.9	106,600	124,000		150	30.8	93.9	8,700	10,500
	30	76.3	113.7	97,900B	114,600		30	80.0	154.6	96,800	113,600		155	27.3	85.0	8,100	9,900
	32	75.3	113.2	89,600B	104,500		32	79.2	154.2	88,500	103,400		160	23.4	74.4	7,600	9,300
130	34	74.2	112.7	82,600	95,900	170	34	78.5	153.8	81,400	94,900	200	165	18.7	61.4	7,100	8,700
	36	73.1	112.1	76,500	88,600		36	77.7	153.4	75,300	87,500		32	81.1	184.7	87,700	97,100
	38	72.0	111.5	71,200	82,300		38	76.9	153.0	70,000	81,100		34	80.4	184.3	80,600	94,100
	40	70.9	110.8	66,500	76,700		40	76.1	152.5	65,300	75,600		36	79.8	184.0	74,500	86,700
	45	68.1	108.9	56,900	65,500		45	74.1	151.1	55,700	64,300		38	79.1	183.6	69,200	80,400
	50	65.3	106.8	49,600	56,900		50	72.1	149.6	48,400	55,700		40	78.5	183.2	64,500	74,800
	55	62.4	104.3	43,800	50,200		55	70.1	147.9	42,600	49,000		45	76.8	182.1	54,900	63,500
	60	59.4	101.5	39,100	44,700		60	68.1	146.0	37,800	43,500		50	75.2	180.9	47,500	54,900
	65	56.3	98.4	35,200	40,200		65	66.0	143.9	33,900	39,000		55	73.5	179.5	41,700	48,100
	70	53.1	94.9	31,900	36,500		70	63.9	141.6	30,600	35,200		60	71.9	177.9	37,000	42,700
140	75	49.8	90.9	29,100	33,300	180	75	61.7	139.0	27,800	32,000	210	65	70.2	176.2	33,100	38,200
	80	46.3	86.4	26,700	30,500		80	59.6	136.2	25,400	29,300		70	68.5	174.3	29,800	34,400
	85	42.6	81.3	24,600	28,100		85	57.3	133.1	23,300	26,900		75	66.8	172.3	27,000	31,200
	90	38.6	75.4	22,700	26,000		90	55.0	129.8	21,400	24,800		80	65.0	170.0	24,500	28,400
	95	34.2	68.7	21,100	24,200		95	52.7	126.1	19,800	22,900		85	63.3	167.6	22,400	26,000
	100	29.2	60.6	19,600	22,500		100	50.2	122.1	18,300	21,200		90	61.5	165.0	20,600	23,900
	105	23.3	50.4	18,300	21,000		105	47.7	117.8	17,000	19,700		95	59.6	162.2	18,900	22,000
	110	15.5	36.2	17,100	19,700		110	45.0	113.0	15,800	18,400		100	57.8	159.1	17,400	20,400
	22	81.4	125.5	152,900B	163,900		115	42.3	107.7	14,700	17,200		105	55.9	155.8	16,100	18,900
	24	80.4	125.2	134,300B	159,700		120	39.3	102.0	13,700	16,100		110	53.9	152.3	14,900	17,500
150	26	79.4	124.8	119,600B	141,600	200	125	36.2	95.5	12,800	15,000	230	115	51.9	148.6	13,800	16,300
	28	78.5	124.4	107,700B	126,700		130	32.9	88.2	12,000	14,100		120	49.9	144.5	12,800	15,200
	30	77.5	124.0	97,900B	114,600		135	29.2	79.9	11,200	13,300		125	47.8	140.1	11,900	14,200
	32	76.5	123.5	89,600	104,500		140	25.0	70.1	10,500	12,500		130	45.6	135.4	11,100	13,300
	34	75.5	123.0	82,500	95,900		145	19.9	58.0	9,800	11,700		135	43.3	130.3	10,300	12,400
	36	74.5	122.5	76,400	88,600		28	81.4	165.0	106,500	116,200		140	40.9	124.8	9,600	11,600
	38	73.5	121.9	71,100	82,200		30	80.6	164.7	96,600	113,400		145	38.4	118.7	9,000	10,900
	40	72.5	121.3	66,400	76,700		32	79.9	164.4	88,300	103,300		150	35.8	112.1	8,400	10,200
	45	70.0	119.6	56,900	65,400		34	79.2	164.0	81,300	94,700		155	33.0	104.8	7,800	9,500
	50	67.5	117.7	49,600	56,900		36	78.5	163.6	75,200	87,400		160	29.9	96.7	7,200	8,900
160	55	64.8	115.5	43,800	50,100	230	38	77.7	163.2	69,800	81,000	260	165	26.6	87.3	6,700	8,400
	60	62.2	113.0	39,000	44,700		40	77.0	162.8	65,100	75,400		170	22.7	76.5	6,300	7,900
	65	59.4	110.2	35,100	40,200		45	75.2	161.5	55,600	64,200		175	18.2	63.1	5,800	7,400
	70	56.6	107.1	31,800	36,400		50	73.3	160.1	48,200	55,600		34	80.9	194.5	80,200	89,100
	75	53.7	103.6	29,000	33,200		55	71.4	158.5	42,400	48,800		36	80.3	194.1	74,100	86,400
	80	50.7	99.7	26,600	30,500		60	69.5	156.7	37,700	43,400		38	79.7	193.8	68,800	80,000
	85	47.5	95.4	24,500	28,100		65	67.6	154.8	33,800	38,900		40	79.1	193.4	64,100	74,500
	90	44.2	90.5	22,600	26,000		70	65.6	152.6	30,500	35,100		45	77.5	192.4	54,500	63,200
180	95	40.7	85.1	21,000	24,100	250	70	63.7	150.2	27,700	31,900	280	50	76.0	191.2	47,200	54,600
	100	36.9	78.9	19,500	22,400		80	61.6	147.7	25,300	29,100		55	74.4	189.9	41,400	47,800
	105	32.7	71.7	18,200	21,000		85	59.6	144.8	23,100	26,700		60	72.9	188.4	36,600	42,300
	110	28.0	63.1	17,000	19,600		90	57.5	141.8	21,300	24,600		65	7			

**MANITOWOC ENGINEERING CO.**

(A division of The Manitowoc Company, Inc.) Manitowoc, Wisconsin 54220

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	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		
	50	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	26,600		
	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	2,400	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	2,100	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	40	81.0	234.0	55,400	55,400	45	80.6	253.5	40,500	40,500			
210	36	81.2	214.4	70,800	70,800	45	79.7	233.2	53,300	54,800	50	79.4	252.6	39,400	39,400		
	38	80.7	214.1	68,300	70,400	50	78.5	232.2	46,000	53,400	55	78.2	251.6	38,500	38,500		
	40	80.1	213.7	63,600	70,300	55	77.2	231.1	40,100	46,600	60	77.1	250.5	34,800	37,800		
	45	78.7	212.8	54,000	62,600	60	75.9	229.9	35,400	41,100	65	75.9	249.3	30,900	36,000		
	50	77.3	211.8	46,600	54,000	65	74.6	228.6	31,500	36,600	70	74.7	248.0	27,600	32,300		
	55	75.9	210.6	40,800	47,300	70	73.3	227.2	28,200	32,800	75	73.5	246.6	24,800	29,000		
	60	74.5	209.2	36,100	41,800	75	72.0	225.6	25,300	29,600	80	72.3	245.0	22,300	26,300		
	65	73.1	207.8	32,200	37,300	80	70.7	223.9	22,900	26,800	85	71.1	243.4	20,200	23,800		
	70	71.7	206.2	28,900	33,500	85	69.4	222.1	20,800	24,400	90	69.9	241.6	18,300	21,700		
	75	70.2	204.5	26,000	30,300	90	68.0	220.2	18,900	22,300	95	68.7	239.7	16,700	19,900		
	80	68.8	202.6	23,600	27,500	95	66.7	218.1	17,300	20,400	100	67.4	237.7	15,200	18,200		
	85	67.3	200.6	21,500	25,100	100	65.3	215.9	15,800	18,800	105	66.2	235.5	13,900	16,700		
	90	65.8	198.4	19,600	23,000	105	64.0	213.5	14,400	17,300	110	64.9	233.3	12,700	15,300		
	95	64.3	196.1	18,000	21,100	110	62.6	211.0	13,300	15,900	115	63.6	230.9	11,600	14,100		
	100	62.8	193.6	16,500	19,500	115	61.1	208.3	12,200	14,700	120	62.4	228.3	10,600	13,000		
	105	61.3	191.0	15,200	18,000	120	59.7	205.5	11,200	13,600	125	61.1	225.6	9,700	12,000		
	110	59.7	188.1	14,000	16,600	125	58.3	202.5	10,300	12,500	130	59.7	222.8	8,900	11,000		
	115	58.1	185.1	12,900	15,400	130	56.8	199.3	9,400	11,600	135	58.4	219.8	8,100	10,200		
	120	56.5	181.9	11,900	14,300	135	55.3	195.9	8,700	10,700	140	57.0	216.6	7,400	9,400		
	125	54.8	178.5	11,000	13,300	140	53.8	192.3	8,000	9,900	145	55.7	213.3	6,700	8,600		
130	53.1	174.9	10,200	12,300	145	52.2	188.6	7,300	9,200	150	54.3	209.8	6,100	8,000			
135	51.4	171.0	9,400	11,500	150	50.6	184.6	6,700	8,500	155	52.8	206.1	5,500	7,300			
140	49.6	166.9	8,700	10,700	155	49.0	180.3	6,100	7,900	160	51.4	202.2	5,000	6,700			
145	47.8	162.5	8,000	9,900	160	47.3	175.9	5,600	7,300	165	49.9	198.1	4,500	6,200			
150	46.0	157.8	7,400	9,200	165	45.6	171.1	5,100	6,700	170	48.4	193.8	4,000	5,600			
155	44.0	152.8	6,800	8,600	170	43.8	166.1	4,600	6,200	175	46.8	189.2	3,600	5,100			
160	42.0	147.4	6,300	8,000	175	42.0	160.7	4,200	5,700	180	45.3	184.4	3,200	4,700			
165	39.9	141.7	5,800	7,400	180	40.1	154.9	3,700	5,200	185	43.6	179.3	2,800	4,200			
170	37.8	135.5	5,300	6,900	185	38.1	148.8	3,300	4,800	190	41.9	173.9	2,500	3,900			
175	35.5	128.8	4,900	6,400	190	36.0	142.1	3,000	4,400								
180	33.1	121.4	4,500	6,000	195	33.9	135.0	2,700	4,000								
185	30.5	113.3	4,100	5,500	200	31.6	127.2	2,400	3,600								
190	27.7	104.3	3,700	5,100													
195	24.6	94.1	3,400	4,700													
200	21.0	82.2	3,000	4,400													