

MANITOWOC ENGINEERING CO.

Division of The Manitowoc Company, Inc. Manitowoc, Wisconsin 54220



LIFTCRANE CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

4100W SERIES 2

BOOM NO. 22C WITH OPEN THROAT TOP
146,400 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
26 1/8" CRAWLERS EXTENDED
360 DEGREE RATING

CAPACITIES FOR VARIOUS BOOM LENGTHS AND OPERATING RADII ARE FOR FREELY SUSPENDED LOADS AND DO NOT EXCEED 75% OF A STATIC TIPPING LOAD. CAPACITIES BASED ON STRUCTURAL COMPETENCE ARE DENOTED BY AN ASTERISK (*).

UPPER BOOM POINT CAPACITY FOR LIFTCRANE SERVICE WITH SINGLE PART WHIP LINE OR COMBINATION OF TWO SINGLE PART LINES IS 28,300 LBS. IN ALL CASES, UPPER BOOM POINT CAPACITIES CANNOT EXCEED THOSE LISTED FOR THE MAIN BOOM CAPACITY.

WEIGHT OF UPPER BOOM POINT, JIB, ALL LOAD BLOCKS, HOOKS, WEIGHT BALL, SLINGS, HOIST LINES, ETC., BENEATH BOOM AND JIB POINT SHEAVES, 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.

MACHINE TO OPERATE IN A LEVEL POSITION ON A FIRM UNIFORMLY SUPPORTING SURFACE WITH CRAWLERS FULLY EXTENDED AND GANTRY UP. REFER TO BOOM RIGGING NO. 190693 AND WIRE ROPE SPECIFICATION CHART NO. 6592-A. CRANE OPERATOR JUDGMENT MUST BE USED TO ALLOW FOR DYNAMIC LOAD EFFECTS OF SWINGING, HOISTING OR LOWERING, TRAVEL, WIND CONDITIONS, AS WELL AS ADVERSE OPERATING CONDITIONS AND PHYSICAL MACHINE DEPRECIATION.

OPERATING RADIUS IS THE HORIZONTAL DISTANCE FROM THE AXIS OF ROTATION TO THE CENTER OF VERTICAL HOIST LINE OR LOAD BLOCK. 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 IS VERTICAL DISTANCE FROM GROUND LEVEL TO CENTERLINE OF BOOM POINT SHAFT.

MACHINE EQUIPPED WITH 26 1/8" EXTENDIBLE CRAWLERS, 48" TREADS, 17' RETRACTABLE GANTRY, 12 PART BOOM HOIST REEVING, FOUR 1-3/8" BOOM PENDANTS, 1ST COUNTERWEIGHT = 41,900 LBS., 2ND COUNTERWEIGHT = 41,500 LBS., 3RD COUNTERWEIGHT = 39,000 LBS., TWO 12,000 LB. SIDE COUNTERWEIGHTS, AND TWO 30,000 LB. CARBODY COUNTERWEIGHTS.

MAXIMUM BOOM AND JIB LENGTHS LIFTED UNASSISTED				DEDUCT FROM CAPACITIES WHEN UPPER BOOM POINT IS ATTACHED		DEDUCT FROM CAPACITIES WHEN JIB IS ATTACHED	
OVER END OF CRAWLERS		OVER SIDE OF EXTENDED CRAWLERS		ONE SHEAVE POINT 1,200 LBS. TWO SHEAVE POINT 1,500 LBS.		JIB LGTH.	JIB NO. 123
BOOM LGTH.	JIB NO. 123	BOOM LGTH.	JIB NO. 123	TO COMPLY WITH B30.5 REQUIREMENTS, UPPER BOOM POINT CANNOT BE USED ON 260' BOOM.			
260'	---	260'	---			30'	3,000 LBS.
250'	---	250'	---			40'	3,600 LBS.
240'	40'	240'	40'			50'	4,200 LBS.
230'	60'	230'	60'			60'	4,900 LBS.
LOAD BLOCK, HOOK AND WEIGHT BALL ON GROUND AT START.						JIB DEDUCTS INCLUDE JIB ADAPTOR.	

CONSULT JIB CHART FOR JIB CAPACITIES.

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	CAPACITY POUNDS	BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	CAPACITY POUNDS	BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	CAPACITY POUNDS
70	16.5	79.7	75.9	460,000*	80	17	80.6	85.9	392,800*	90	18	81.1	95.9	355,400*
	17	79.3	75.8	400,000*		18	79.9	85.8	378,900*		19	80.4	95.7	346,900*
	18	78.5	75.6	380,100*		19	79.2	85.6	361,800*		20	79.8	95.6	336,900*
	19	77.6	75.4	363,000*		20	78.5	85.4	346,100*		22	78.5	95.2	317,400*
	20	76.8	75.2	347,300*		22	77.0	85.0	318,400*		24	77.2	94.8	291,700*
	22	75.1	74.7	319,600*		24	75.5	84.5	292,500*		26	75.9	94.3	264,800*
	24	73.4	74.1	293,400*		26	74.0	83.9	265,600*		28	74.5	93.7	236,600
	26	71.7	73.5	266,100		28	72.5	83.3	237,000		30	73.2	93.2	213,400
	28	69.9	72.8	237,500		30	71.0	82.7	213,800		32	71.9	92.5	194,200
	30	68.2	72.0	214,300		32	69.5	81.9	194,600		34	70.5	91.9	178,000
	32	66.4	71.2	195,100		34	68.0	81.2	178,500		36	69.2	91.1	164,200
	34	64.6	70.3	178,900		36	66.4	80.3	164,700		38	67.8	90.3	152,300
	36	62.8	69.3	165,200		38	64.8	79.4	152,800		40	66.4	89.5	142,000
	38	60.9	68.2	153,300		40	63.3	78.4	142,400		45	62.9	87.1	121,100
	40	59.1	67.0	143,000		45	59.2	75.7	121,500		50	59.3	84.4	105,200
	45	54.1	63.7	122,100		50	54.9	72.5	105,700		55	55.5	81.2	92,800
	50	48.9	59.8	106,300		55	50.4	68.6	93,300		60	51.5	77.5	82,900
	55	43.2	55.0	93,900		60	45.6	64.1	83,400		65	47.3	73.2	74,700
	60	36.9	49.0	84,000		65	40.3	58.8	75,200		70	42.8	68.2	67,800
	65	29.4	41.3	75,800		70	34.4	52.2	68,300		75	37.9	62.3	62,000
70	19.5	30.3	63,900*	75	27.4	43.9	62,500	80	32.4	55.2	57,000			
				80	18.2	32.0	53,900*	85	25.8	46.2	52,600			
								90	17.1	33.5	45,900*			

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MEETS
ANSI B30.5
REQUIREMENTS

4100W SERIES 2

BOOM NO. 22C WITH OPEN THROAT TOP
146,400 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
26'6" CRAWLERS EXTENDED
360 DEGREE RATING

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	CAPACITY POUNDS	BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	CAPACITY POUNDS	BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	CAPACITY POUNDS
100	19	81.4	105.9	332,900*	120	75	53.7	103.7	60,400	150	28	80.8	155.1	218,600*
	20	80.8	105.7	327,100*		80	50.7	99.9	55,300		30	80.0	154.7	210,300*
	22	79.6	105.4	316,200*		85	47.5	95.5	51,000		32	79.2	154.4	191,600
	24	78.5	105.0	290,800*		90	44.2	90.7	47,200		34	78.5	154.0	175,400
	26	77.3	104.6	263,900*		95	40.7	85.2	43,800		36	77.7	153.6	161,600
	28	76.1	104.1	236,200		100	36.9	79.0	40,800		38	76.9	153.1	149,600
	30	74.9	103.6	212,900		105	32.7	71.8	38,100		40	76.1	152.6	139,200
	32	73.7	103.0	193,700		110	28.0	63.3	35,700		45	74.1	151.3	118,200
	34	72.5	102.4	177,500		115	22.3	52.6	33,500		50	72.1	149.8	102,400
	36	71.3	101.7	163,700							55	70.1	148.1	89,900
130	38	70.1	101.0	151,800	130	24	81.2	135.5	260,000*	160	60	68.1	146.2	79,900
	40	68.9	100.3	141,400		26	80.3	135.1	248,600*		65	66.0	144.0	71,700
	45	65.8	98.2	120,500		28	79.4	134.8	234,700*		70	63.9	141.7	64,800
	50	62.6	95.8	104,700		30	78.5	134.4	211,800		75	61.7	139.1	59,000
	55	59.3	93.0	92,300		32	77.6	134.0	192,500		80	59.6	136.3	53,900
	60	55.9	89.9	82,300		34	76.7	133.5	176,300		85	57.3	133.3	49,600
	65	52.4	86.2	74,100		36	75.7	133.0	162,500		90	55.0	129.9	45,700
	70	48.7	82.1	67,200		38	74.8	132.5	150,600		95	52.7	126.2	42,400
	75	44.8	77.4	61,400		40	73.9	131.9	140,200		100	50.2	122.3	39,400
	80	40.5	72.0	56,400		45	71.6	130.4	119,300		105	47.7	117.9	36,700
140	85	35.9	65.6	52,000	140	50	69.3	128.6	103,400	190	110	45.0	113.1	34,200
	90	30.7	58.0	48,200		55	66.9	126.6	91,000		115	42.3	107.9	32,000
	95	24.5	48.5	44,900		60	64.5	124.3	81,000		120	39.3	102.1	30,000
	100	16.3	35.0	39,300*		65	62.0	121.8	72,800		125	36.2	95.7	28,200
	22	80.6	115.5	291,600*		70	59.5	119.0	65,900		130	32.9	88.4	26,500
	24	79.5	115.2	282,900*		75	56.9	115.9	60,000		135	29.2	80.1	25,000
	26	78.5	114.8	263,200*		80	54.2	112.5	55,000		140	25.0	70.3	23,500
	28	77.4	114.4	235,800		85	51.5	108.7	50,700		145	19.9	58.2	22,200
	30	76.3	113.9	212,500		90	48.6	104.5	46,800					
	32	75.3	113.4	193,300		95	45.6	99.8	43,500					
150	34	74.2	112.8	177,100	150	100	42.4	94.7	40,500	200	28	81.4	165.2	208,500*
	36	73.1	112.2	163,300		105	39.0	88.9	37,800		30	80.6	164.9	203,500*
	38	72.0	111.6	151,400		110	35.4	82.3	35,300		32	79.9	164.5	191,100
	40	70.9	110.9	141,000		115	31.4	74.7	33,100		34	79.2	164.2	174,900
	45	68.1	109.1	120,100		120	26.8	65.7	31,100		36	78.5	163.8	161,000
	50	65.3	106.9	104,200		125	21.4	54.5	29,300		38	77.7	163.4	149,100
	55	62.4	104.5	91,800							40	77.0	162.9	138,700
	60	59.4	101.7	81,800							45	75.2	161.7	117,700
	65	56.3	98.5	73,600							50	73.3	160.3	101,800
	70	53.1	95.0	66,800							55	71.4	158.7	89,300
160	75	49.8	91.0	60,900	160	26	81.0	145.3	239,700*	250	60	69.5	156.9	79,300
	80	46.3	86.5	55,900		28	80.1	144.9	230,800*		65	67.6	154.9	71,100
	85	42.6	81.4	51,600		30	79.3	144.6	211,300		70	65.6	152.8	64,200
	90	38.6	75.6	47,800		32	78.5	144.2	192,100		75	63.7	150.4	58,400
	95	34.2	68.8	44,400		34	77.6	143.8	175,800		80	61.6	147.8	53,300
	100	29.2	60.7	41,400		36	76.8	143.3	162,000		85	59.6	145.0	49,000
	105	23.3	50.6	38,700		38	75.9	142.8	150,100		90	57.5	141.9	45,100
	110	15.5	36.4	33,900*		40	75.1	142.3	139,700		95	55.3	138.6	41,800
						45	73.0	140.9	118,700		100	53.1	135.0	38,700
						50	70.8	139.2	102,800		105	50.9	131.1	36,000
170					170	55	68.6	137.4	90,400	300	110	48.5	126.9	33,600
						60	66.4	135.3	80,400		115	46.1	122.2	31,400
						65	64.2	133.0	72,200		120	43.5	117.2	29,400
						70	61.9	130.5	65,300		125	40.9	111.7	27,600
						75	59.5	127.7	59,500		130	38.0	105.6	25,900
						80	57.1	124.6	54,400		135	35.0	98.9	24,300
						85	54.6	121.2	50,100		140	31.8	91.3	22,900
						90	52.1	117.5	46,200		145	28.2	82.6	21,600
						95	49.5	113.4	42,900		150	24.1	72.5	20,400
						100	46.7	108.9	39,900		155	19.3	59.9	19,200*

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BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	CAPACITY POUNDS
170	30	81.2	175.0	192,600*
	32	80.5	174.7	188,400*
	34	79.8	174.3	174,600
	36	79.2	174.0	160,800
	38	78.5	173.6	148,800
	40	77.8	173.1	138,400
	45	76.0	172.0	117,400
	50	74.3	170.7	101,500
	55	72.5	169.2	89,100
	60	70.8	167.5	79,000
	65	69.0	165.7	70,800
	70	67.2	163.7	63,900
	75	65.3	161.5	58,100
	80	63.4	159.1	53,000
	85	61.5	156.5	48,700
	90	59.6	153.6	44,900
	95	57.6	150.6	41,500
	100	55.6	147.3	38,500
105	53.6	143.7	35,800	
110	51.4	139.9	33,300	
115	49.2	135.8	31,100	
120	47.0	131.3	29,100	
125	44.6	126.4	27,300	
130	42.2	121.1	25,600	
135	39.6	115.4	24,100	
140	36.9	109.0	22,600	
145	34.0	102.0	21,300	
150	30.8	94.1	20,100	
155	27.3	85.1	18,900	
160	23.4	74.6	17,800	
165	18.7	61.6	16,400*	
180	32	81.1	184.8	180,000*
	34	80.4	184.5	174,100*
	36	79.8	184.1	160,300
	38	79.1	183.8	148,300
	40	78.5	183.4	137,900
	45	76.8	182.3	116,900
	50	75.2	181.0	101,000
	55	73.5	179.6	88,500
	60	71.9	178.1	78,500
	65	70.2	176.4	70,300
	70	68.5	174.5	63,400
	75	66.8	172.4	57,500
	80	65.0	170.2	52,500
	85	63.3	167.8	48,100
	90	61.5	165.1	44,300
	95	59.6	162.3	40,900
	100	57.8	159.3	37,900
	105	55.9	156.0	35,200
110	53.9	152.5	32,700	
115	51.9	148.7	30,500	
120	49.9	144.6	28,500	
125	47.8	140.3	26,700	
130	45.6	135.6	25,000	
135	43.3	130.5	23,500	
140	40.9	124.9	22,000	
145	38.4	118.9	20,700	
150	35.8	112.3	19,500	
155	33.0	105.0	18,300	
160	29.9	96.8	17,200	
165	26.6	87.5	16,200	
170	22.7	76.6	15,300	
175	18.2	63.2	13,500*	

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	CAPACITY POUNDS
190	32	81.5	194.9	171,000*
	34	80.9	194.6	166,100*
	36	80.3	194.3	159,800
	38	79.7	193.9	147,900
	40	79.1	193.6	137,400
	45	77.5	192.5	116,400
	50	76.0	191.4	100,500
	55	74.4	190.0	88,000
	60	72.9	188.6	78,000
	65	71.3	186.9	69,700
	70	69.7	185.2	62,800
	75	68.1	183.2	57,000
	80	66.4	181.1	52,000
	85	64.8	178.9	47,600
	90	63.1	176.4	43,800
	95	61.4	173.8	40,400
	100	59.7	171.0	37,400
	105	57.9	167.9	34,700
110	56.1	164.7	32,200	
115	54.3	161.2	30,000	
120	52.4	157.5	28,000	
125	50.4	153.5	26,200	
130	48.5	149.2	24,500	
135	46.4	144.6	22,900	
140	44.3	139.7	21,500	
145	42.1	134.4	20,200	
150	39.8	128.6	18,900	
155	37.4	122.3	17,800	
160	34.8	115.5	16,700	
165	32.1	107.9	15,700	
170	29.1	99.4	14,800	
175	25.8	89.8	13,900	
180	22.1	78.6	13,100	
185	17.7	64.8	11,000*	
200	34	81.4	204.7	157,200*
	36	80.8	204.4	153,500*
	38	80.2	204.1	147,400
	40	79.6	203.7	136,900
	45	78.2	202.8	115,900
	50	76.7	201.6	100,000
	55	75.2	200.4	87,500
	60	73.7	199.0	77,400
	65	72.2	197.5	69,200
	70	70.7	195.8	62,300
	75	69.2	194.0	56,400
	80	67.7	192.0	51,400
	85	66.1	189.9	47,000
	90	64.5	187.6	43,200
	95	62.9	185.1	39,800
	100	61.3	182.5	36,800
	105	59.7	179.6	34,100
	110	58.0	176.6	31,600
115	56.3	173.4	29,400	
120	54.5	169.9	27,400	
125	52.8	166.3	25,600	
130	50.9	162.3	23,900	
135	49.1	158.1	22,300	
140	47.2	153.6	20,900	
145	45.2	148.8	19,600	
150	43.1	143.7	18,300	
155	41.0	138.2	17,200	

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	CAPACITY POUNDS
200	160	38.7	132.2	16,100
	165	36.4	125.7	15,100
	170	33.9	118.6	14,200
	175	31.2	110.7	13,300
	180	28.4	102.0	12,400
	185	25.2	92.1	11,700
190	21.6	80.5	10,900	
195	17.3	66.3	8,500*	
210	36	81.2	214.6	146,000*
	38	80.7	214.2	143,300*
	40	80.1	213.9	136,600
	45	78.7	213.0	115,500
	50	77.3	211.9	99,600
	55	75.9	210.7	87,100
	60	74.5	209.4	77,100
	65	73.1	208.0	68,800
	70	71.7	206.4	61,900
	75	70.2	204.6	56,100
	80	68.8	202.8	51,000
	85	67.3	200.8	46,700
	90	65.8	198.6	42,800
	95	64.3	196.3	39,400
	100	62.8	193.8	36,400
	105	61.3	191.1	33,700
	110	59.7	188.3	31,300
	115	58.1	185.3	29,100
120	56.5	182.1	27,100	
125	54.8	178.6	25,200	
130	53.1	175.0	23,500	
135	51.4	171.1	22,000	
140	49.6	167.0	20,600	
145	47.8	162.6	19,200	
150	46.0	157.9	18,000	
155	44.0	152.9	16,800	
160	42.0	147.6	15,800	
165	39.9	141.8	14,800	
170	37.8	135.6	13,800	
175	35.5	128.9	12,900	
180	33.1	121.6	12,100	
185	30.5	113.5	11,300	
190	27.7	104.5	10,600	
195	24.6	94.3	9,900	
200	21.0	82.4	8,800*	
205	16.8	67.8	6,500*	

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4100W SERIES 2

BOOM NO. 22C WITH OPEN THROAT TOP
146,400 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
26'6" CRAWLERS EXTENDED
360 DEGREE RATING

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	CAPACITY POUNDS	BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	CAPACITY POUNDS	BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	CAPACITY POUNDS
220	38	81.1	224.4	135,900*	230	175	42.0	160.8	11,800	250	125	61.1	225.8	23,200
	40	80.6	224.0	133,400*		180	40.1	155.1	11,000		130	59.7	222.9	21,500
	45	79.3	223.2	115,000		185	38.1	148.9	10,200		135	58.4	219.9	20,000
	50	77.9	222.1	99,100		190	36.0	142.3	9,400		140	57.0	216.8	18,500
	55	76.6	221.0	86,600		195	33.9	135.1	8,700		145	55.7	213.4	17,200
	60	75.3	219.8	76,600		200	31.6	127.4	8,100		150	54.3	209.9	16,000
	65	73.9	218.4	68,300		205	29.1	118.8	7,400		155	52.8	206.3	14,800
	70	72.5	216.9	61,400		210	26.4	109.3	6,800*		160	51.4	202.4	13,700
	75	71.2	215.2	55,500		215	23.5	98.5	6,100*		165	49.9	198.3	12,700
	80	69.8	213.5	50,500		220	20.1	86.0	4,400*		170	48.4	193.9	11,800
	85	68.4	211.6	46,100	240	40	81.4	244.3	123,400*	260	175	46.8	189.4	10,900
	90	67.0	209.5	42,300		45	80.2	243.5	112,600*		180	45.3	184.6	10,100
	95	65.6	207.3	38,900		50	78.9	242.6	98,100		185	43.6	179.5	9,300
	100	64.1	205.0	35,800		55	77.7	241.5	85,600		190	41.9	174.1	8,500
	105	62.7	202.5	33,100		60	76.5	240.4	75,600		195	40.2	168.3	7,800*
	110	61.2	199.8	30,700		65	75.3	239.1	67,300		200	38.4	162.2	7,000*
	115	59.7	196.9	28,500		70	74.0	237.8	60,400		205	36.5	155.7	6,200*
	120	58.2	193.9	26,500		75	72.8	236.3	54,500		210	34.5	148.7	5,500*
	125	56.6	190.7	24,600		80	71.5	234.7	49,500		215	32.4	141.1	4,800*
	130	55.1	187.3	23,000		85	70.3	232.9	45,100		220	30.2	132.9	4,100*
135	53.5	183.8	21,400	90	69.0	231.1	41,200	270	45	80.9	263.8	104,800*		
140	51.8	179.9	20,000	95	67.7	229.1	37,800		50	79.8	262.9	95,700*		
145	50.1	175.9	18,600	100	66.4	227.0	34,800		55	78.7	262.0	84,700		
150	48.4	171.6	17,400	105	65.1	224.7	32,100		60	77.6	260.9	74,700		
155	46.7	167.0	16,300	110	63.8	222.3	29,700		65	76.4	259.7	66,400		
160	44.8	162.1	15,200	115	62.5	219.8	27,400		70	75.3	258.5	59,500		
165	43.0	156.9	14,200	120	61.1	217.1	25,400		75	74.2	257.1	53,600		
170	41.0	151.4	13,200	125	59.7	214.3	23,600		80	73.0	255.6	48,500		
175	39.0	145.4	12,300	130	58.3	211.3	21,900		85	71.8	254.1	44,100		
180	36.9	139.0	11,500	135	56.9	208.1	20,300		90	70.7	252.4	40,300		
185	34.6	132.1	10,700	140	55.5	204.8	18,900	95	69.5	250.6	36,900			
190	32.3	124.5	10,000	145	54.0	201.2	17,600	100	68.3	248.6	33,900			
195	29.8	116.2	9,300	150	52.5	197.5	16,300	105	67.1	246.6	31,100			
200	27.0	106.9	8,600	155	51.0	193.6	15,200	110	65.9	244.4	28,700			
205	24.0	96.4	8,000	160	49.5	189.4	14,100	115	64.7	242.1	26,500			
210	20.6	84.2	6,500*	165	47.9	185.0	13,100	120	63.5	239.7	24,500			
215	16.4	69.3	4,400*	170	46.2	180.3	12,200	125	62.3	237.1	22,600			
230	38	81.5	234.5	132,900*	175	44.6	175.4	11,300	130	61.0	234.4	20,900		
	40	81.0	234.2	125,200*	180	42.8	170.2	10,400	135	59.7	231.6	19,400		
	45	79.7	233.3	114,500	185	41.0	164.6	9,600	140	58.5	228.6	17,900		
	50	78.5	232.4	98,600	190	39.2	158.7	8,900	145	57.2	225.5	16,600		
	55	77.2	231.3	86,100	195	37.3	152.3	8,200	150	55.8	222.1	15,400		
	60	75.9	230.1	76,100	200	35.2	145.5	7,500*	155	54.5	218.7	14,200		
	65	74.6	228.8	67,800	205	33.1	138.2	6,700*	160	53.1	215.0	13,100		
	70	73.3	227.3	60,900	210	30.9	130.1	6,000*	165	51.7	211.2	12,100		
	75	72.0	225.8	55,000	215	28.5	121.4	5,300*	170	50.3	207.1	11,200		
	80	70.7	224.1	50,000	220	25.8	111.6	4,700*	175	48.9	202.9	10,300		
	85	69.4	222.3	45,600	225	23.0	100.6	4,000*	180	47.4	198.4	9,500		
	90	68.0	220.3	41,700	250	45	80.6	253.6	106,600*	185	45.9	193.7	8,700	
	95	66.7	218.2	38,400		50	79.4	252.7	97,800	190	44.3	188.7	7,900*	
	100	65.3	216.0	35,300		55	78.2	251.7	85,200	195	42.7	183.4	7,000*	
	105	64.0	213.6	32,600		60	77.1	250.7	75,200	200	41.1	177.8	6,200*	
	110	62.6	211.1	30,200		65	75.9	249.4	66,900	205	39.4	171.9	5,400*	
	115	61.1	208.4	28,000		70	74.7	248.1	60,000	210	37.6	165.6	4,700*	
	120	59.7	205.6	26,000		75	73.5	246.7	54,100	215	35.8	158.9	4,000*	
	125	58.3	202.6	24,100		80	72.3	245.2	49,100					
	130	56.8	199.4	22,400		85	71.1	243.5	44,700					
135	55.3	196.1	20,900	90		69.9	241.7	40,800						
140	53.8	192.5	19,400	95	68.7	239.9	37,400							
145	52.2	188.7	18,100	100	67.4	237.8	34,400							
150	50.6	184.7	16,900	105	66.2	235.7	31,700							
155	49.0	180.5	15,700	110	64.9	233.4	29,300							
160	47.3	176.0	14,700	115	63.6	231.0	27,100							
165	45.6	171.3	13,600	120	62.4	228.5	25,000							
170	43.8	166.2	12,700											