

# MANITOWOC ENGINEERING CO.

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



## LIFTCRANE CAPACITIES

MEETS  
ANSI B30.5  
REQUIREMENTS

4100W

**BOOM NO. 27 WITH OPEN THROAT TOP  
36' RINGER ATTACHMENT ON BLOCKING  
122,400 LB. CRANE COUNTERWEIGHT  
275,000 LB. AUXILIARY COUNTERWEIGHT  
85% TIPPING**

**4100W SERIES 1  
RINGER SERIES 3**

CAPACITIES FOR VARIOUS BOOM LENGTHS AND OPERATING RADII ARE FOR FREELY SUSPENDED LOADS AND DO NOT EXCEED 85% 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 ON A FIRM UNIFORMLY SUPPORTING SURFACE WITH ROLLER PATH LEVEL WITHIN A TOLERANCE OF 3/4" IN 36' ON BOOM LENGTHS THRU 300', 3/8" IN 36' ON BOOMS OVER 300' AND PROPERLY SUPPORTED. REFER TO RIGGING NO. 50999 AND WIRE ROPE SPECIFICATION CHART NO. 6144. CRANE OPERATOR JUDGMENT MUST BE USED TO ALLOW FOR DYNAMIC LOAD EFFECTS OF SWINGING, HOISTING OR LOWERING, 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 36' RINGER ATTACHMENT ON BLOCKING, 26'6" EXTENDIBLE CRAWLERS, 48" TREADS, 17' RETRACTABLE GANTRY, 130' MAST, 8 PART BOOM HOIST REEVING, FOUR 1-3/8" BOOM PENDANTS, 14" DIAMETER X 16" WIDTH BOOM HOIST DRUMS, 122,400 LB. CRANE AND 275,000 LB. AUXILIARY COUNTERWEIGHT.

MAXIMUM BOOM AND JIB LENGTHS LIFTED UNASSISTED			DEDUCT FROM CAPACITIES WHEN UPPER BOOM POINT AND/OR HANGER BLOCK ARE ATTACHED		DEDUCT FROM CAPACITIES WHEN JIB IS ATTACHED		
BM. LGTH.	JIB NO. 122A	JIB NO. 123	ONE SHEAVE POINT	TWO SHEAVE POINT	JIB LGTH.	JIB NO. 122A	JIB NO. 123
340'	---	---	1,200 LBS.	1,500 LBS.	30'	---	3,000 LBS.
340'	140'	60'	1,200 LBS.	1,200 LBS.	40'	6,300 LBS.	3,600 LBS.
LOAD BLOCK, HOOK AND WEIGHT BALL ON GROUND AT START.					50'	7,200 LBS.	4,200 LBS.
					60'	9,600 LBS.	4,900 LBS.
					80'	11,300 LBS.	---
					100'	13,100 LBS.	---
					120'	14,900 LBS.	---
					140'	17,000 LBS.	---
JIB NO. 123 DEDUCTS INCLUDE JIB ADAPTOR.							

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
140	36	82.3	146.5	600,000*	160	40	81.8	166.1	551,900*	180	45	81.1	185.6	493,800*
	38	81.4	146.2	600,000*		45	80.0	165.3	550,700*		50	79.5	184.8	493,000*
	40	80.6	145.9	600,000*		50	78.2	164.4	545,800		55	77.9	183.7	470,300
	45	78.5	145.0	600,000*		55	76.3	163.2	471,900		60	76.2	182.6	413,600
	50	76.4	143.9	547,100		60	74.5	161.9	415,200		65	74.6	181.3	368,600
	55	74.3	142.6	473,100		65	72.6	160.5	370,200		70	72.9	179.8	332,200
	60	72.2	141.1	416,400		70	70.7	158.8	333,700		75	71.3	178.2	302,000
	65	70.0	139.3	371,400		75	68.8	157.0	303,500		80	69.6	176.4	276,500
	70	67.8	137.4	335,000		80	66.9	154.9	278,100		85	67.9	174.5	254,900
	75	65.6	135.3	304,800		85	64.9	152.7	256,400		90	66.1	172.4	236,100
	80	63.3	132.9	279,300		90	62.9	150.2	237,700		95	64.4	170.1	219,800
	85	61.0	130.2	257,700		95	60.9	147.6	221,400		100	62.6	167.6	205,500
	90	58.7	127.3	238,900		100	58.8	144.7	207,100		105	60.8	164.9	192,800
	95	56.2	124.1	222,600		105	56.7	141.5	194,300		110	59.0	162.0	181,400
100	53.7	120.6	208,300	110	54.5	138.1	183,000	115	57.1	158.9	171,200			
105	51.1	116.8	195,600	115	52.3	134.4	172,800	120	55.2	155.5	162,000			
110	48.5	112.6	184,200	120	50.0	130.3	163,600	125	53.2	151.9	153,600			
115	45.7	107.9	172,800*	125	47.6	126.0	155,200	130	51.2	148.0	146,000			
120	42.7	102.8	160,700*	130	45.2	121.2	147,600	135	49.1	143.8	139,000			
125	39.6	97.1	149,500*	135	42.6	116.0	140,600	140	47.0	139.3	132,600			
130	36.3	90.6	138,900*	140	39.9	110.3	134,200	145	44.8	134.5	126,700			
135	32.7	83.4	128,900*	145	37.0	104.0	127,800*	150	42.4	129.2	121,300			
140	28.7	74.9	119,200*	150	33.9	97.0	119,700*	155	40.0	123.5	116,200			
				155	30.5	89.0	111,800*	160	37.5	117.3	111,500			
				160	26.8	79.9	104,100*	165	34.8	110.5	107,100			
								170	31.9	102.9	102,400*			
								175	28.7	94.3	96,800*			
								180	25.2	84.5	90,600*			





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36' RINGER ATTACHMENT ON BLOCKING  
122,400 LB. CRANE COUNTERWEIGHT  
275,000 LB. AUXILIARY COUNTERWEIGHT  
85% TIPPING**

MEETS  
ANSI B30.5  
REQUIREMENTS

**4100W**

**4100W SERIES 1  
RINGER SERIES 3**

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	
															BOOM LGTH. FEET
200	45	82.0	205.8	437,200*	240	50	82.1	245.5	347,800*	260	210	42.1	182.2	72,300	
	50	80.6	205.1	435,600*		55	80.9	244.8	345,900*		215	40.5	176.5	69,900	
	55	79.1	204.2	433,800*		60	79.7	243.9	343,800*		220	38.7	170.4	67,600	
	60	77.6	203.1	412,400*		65	78.5	243.0	332,200*		225	36.9	164.0	65,400	
	65	76.2	202.0	367,400*		70	77.3	241.9	305,500*		230	35.1	157.1	63,300	
	70	74.7	200.7	331,000*		75	76.1	240.7	283,200*		235	33.1	149.7	61,300	
	75	73.2	199.2	300,800*		80	74.8	239.4	264,000*		240	31.0	141.7	59,300	
	80	71.7	197.6	275,300*		85	73.6	238.0	247,300*		245	28.8	133.0	57,500	
	85	70.2	195.9	253,700*		90	72.3	236.5	232,100*		250	26.4	123.5	55,800	
	90	68.6	194.0	235,000*		95	71.1	234.8	215,800*		255	23.8	112.8	53,400*	
	95	67.1	192.0	218,600*		100	69.8	233.0	201,400*		260	20.9	100.7	50,900*	
	100	65.5	189.8	204,300*		105	68.5	231.1	188,700*		280	60	81.2	284.5	273,300*
	105	63.9	187.5	191,600*		110	67.2	229.1	177,300*			65	80.2	283.7	270,000*
	110	62.3	184.9	180,200*		115	65.9	226.9	167,100*			70	79.1	282.7	262,500*
	115	60.7	182.2	170,000*		120	64.6	224.6	157,900*			75	78.1	281.7	243,700*
	120	59.1	179.3	160,800*		125	63.3	222.2	149,600*			80	77.0	280.6	227,700*
	125	57.4	176.2	152,400*		130	62.0	219.6	142,000*			85	76.0	279.4	213,900*
	130	55.7	172.9	144,800*		135	60.6	216.9	135,000*			90	74.9	278.1	201,800*
	135	53.9	169.4	137,800*		140	59.2	214.0	128,600*			95	73.9	276.7	191,100*
	140	52.1	165.6	131,400*		145	57.8	210.9	122,700*			100	72.8	275.2	181,600*
145	50.3	161.6	125,500*	150	56.4	207.7	117,200*	105	71.7	273.6		172,900*			
150	48.4	157.3	120,100*	155	54.9	204.2	112,100*	110	70.6	271.9	165,100*				
155	46.4	152.7	115,000*	160	53.5	200.6	107,400*	115	69.5	270.1	157,900*				
160	44.4	147.8	110,300*	165	52.0	196.8	103,000*	120	68.5	268.2	151,300*				
165	42.3	142.5	105,900*	170	50.4	192.8	98,900*	125	67.3	266.2	145,200*				
170	40.2	136.8	101,800*	175	48.9	188.6	95,100*	130	66.2	264.0	139,100*				
175	37.9	130.6	97,900*	180	47.3	184.1	91,500*	135	65.1	261.8	132,100*				
180	35.5	123.9	94,300*	185	45.6	179.3	88,100*	140	64.0	259.4	125,700*				
185	32.9	116.5	90,900*	190	43.9	174.3	84,900*	145	62.8	256.9	119,800*				
190	30.2	108.4	87,700*	195	42.2	168.9	81,800*	150	61.7	254.3	114,400*				
195	27.2	99.3	83,700*	200	40.4	163.2	79,000*	155	60.5	251.5	109,300*				
200	23.9	88.8	79,300*	205	38.5	157.2	76,300*	160	59.3	248.6	104,600*				
220	50	81.4	225.3	386,800*	210	36.5	150.7	73,700*	165	58.1	245.6	100,200*			
	55	80.1	224.5	384,800*	215	34.5	143.6	71,300*	170	56.9	242.4	96,100*			
	60	78.8	223.6	382,600*	220	32.3	136.1	69,000*	175	55.7	239.0	92,200*			
	65	77.4	222.5	360,900*	225	30.0	127.8	66,800*	180	54.4	235.6	88,600*			
	70	76.1	221.3	329,500*	230	27.5	118.7	64,700*	185	53.2	231.9	85,200*			
	75	74.8	220.0	299,300*	235	24.8	108.5	62,000*	190	51.9	228.1	82,000*			
	80	73.4	218.6	273,900*	240	21.8	96.9	59,100*	195	50.6	224.0	79,000*			
	85	72.0	217.1	252,200*	55	81.6	265.0	309,200*	200	49.2	219.8	76,200*			
	90	70.7	215.4	233,500*	60	80.5	264.2	307,400*	205	47.9	215.4	73,500*			
	95	69.3	213.5	217,200*	65	79.4	263.3	305,300*	210	46.5	210.8	70,900*			
	100	67.9	211.6	202,800*	70	78.3	262.3	282,500*	215	45.0	205.9	68,500*			
	105	66.5	209.5	190,100*	75	77.1	261.3	262,200*	220	43.6	200.8	66,100*			
	110	65.0	207.2	178,700*	80	76.0	260.1	244,900*	225	42.1	195.4	63,900*			
	115	63.6	204.8	168,500*	85	74.9	258.8	229,900*	230	40.5	189.7	61,800*			
	120	62.1	202.3	159,300*	90	73.7	257.4	216,700*	235	38.9	183.7	59,800*			
	125	60.6	199.5	151,000*	95	72.6	255.8	205,000*	240	37.3	177.3	57,900*			
	130	59.1	196.6	143,400*	100	71.4	254.2	194,500*	245	35.5	170.5	56,100*			
	135	57.6	193.6	136,400*	105	70.3	252.5	185,000*	250	33.7	163.3	54,300*			
	140	56.1	190.3	130,000*	110	69.1	250.6	175,900*	255	31.9	155.5	52,700*			
	145	54.5	186.8	124,100*	115	67.9	248.7	165,700*	260	29.9	147.2	51,100*			
150	52.9	183.1	118,600*	120	66.7	246.6	156,500*	265	27.7	138.1	49,500*				
155	51.2	179.2	113,500*	125	65.5	244.4	148,200*	270	25.4	128.1	48,000*				
160	49.5	175.1	108,800*	130	64.3	242.0	140,500*	275	23.0	117.0	45,700*				
165	47.8	170.7	104,400*	135	63.1	239.5	133,600*	280	20.2	104.3	43,500*				
170	46.0	166.0	100,300*	140	61.8	236.9	127,200*								
175	44.2	161.0	96,500*	145	60.5	234.2	121,300*								
180	42.3	155.7	92,900*	150	59.3	231.3	115,800*								
185	40.3	150.0	89,500*	155	58.0	228.2	110,700*								
190	38.2	143.9	86,300*	160	56.7	225.0	106,000*								
195	36.1	137.3	83,300*	165	55.3	221.7	101,600*								
200	33.8	130.1	80,400*	170	54.0	218.1	97,500*								
205	31.4	122.3	77,700*	175	52.6	214.4	93,700*								
210	28.8	113.7	75,100*	180	51.2	210.5	90,100*								
215	25.9	104.0	72,000*	185	49.8	206.3	86,700*								
220	22.8	93.0	68,600*	190	48.3	202.0	83,500*								
				195	46.8	197.4	80,400*								
				200	45.3	192.6	77,600*								
				205	43.7	187.5	74,900*								

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BOOM NO. 27 WITH OPEN THROAT TOP  
38' RINGER ATTACHMENT ON BLOCKING  
122,400 LB. CRANE COUNTERWEIGHT  
276,000 LB. AUXILIARY COUNTERWEIGHT  
85% TIPPING

MEETS  
ANSI B30.5  
REQUIREMENTS

4100W

4100W SERIES 1  
RINGER SERIES 3

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM		CAPACITY POUNDS	BOOM LGTH. FEET	OPER. RAD. FEET	BOOM		CAPACITY POUNDS	BOOM LGTH. FEET	OPER. RAD. FEET	BOOM		CAPACITY POUNDS
		ANG. DEG.	POINT ELEV. FEET				ANG. DEG.	POINT ELEV. FEET				ANG. DEG.	POINT ELEV. FEET	
300	65	80.8	303.9	234,900*	320	70	80.5	323.4	200,000*	340	75	80.2	342.8	166,000*
	70	79.9	303.1	234,000*		75	79.6	322.5	199,500*		80	79.4	341.9	163,000*
	75	78.9	302.1	227,500*		80	78.7	321.5	199,200*		85	78.5	340.9	159,500*
	80	77.9	301.1	212,500*		85	77.8	320.5	187,000*		90	77.6	339.9	150,600*
	85	76.9	300.0	199,600*		90	76.8	319.4	170,600*		95	76.8	338.7	142,700*
	90	75.9	298.8	188,300*		95	75.9	318.2	160,500*		100	75.9	337.5	135,800*
	95	75.0	297.5	178,400*		100	75.0	316.9	150,000*		105	75.0	336.2	129,500*
	100	74.0	296.1	169,500*		105	74.1	315.5	138,900*		110	74.2	334.9	123,800*
	105	73.0	294.6	161,500*		110	73.1	314.0	132,800*		115	73.3	333.4	118,600*
	110	72.0	293.0	154,300*		115	72.2	312.4	127,300*		120	72.4	331.8	113,800*
	115	71.0	291.4	147,700*		120	71.3	310.8	122,200*		125	71.5	330.2	109,400*
	120	70.0	289.6	141,700*		125	70.3	309.1	117,500*		130	70.6	328.5	105,300*
	125	68.9	287.7	136,100*		130	69.4	307.2	113,100*		135	69.7	326.7	101,500*
	130	67.9	285.7	130,900*		135	68.4	305.3	109,100*		140	68.8	324.8	98,000*
	135	66.9	283.7	126,000*		140	67.4	303.3	105,200*		145	67.9	322.8	94,700*
	140	65.8	281.5	121,500*		145	66.5	301.1	101,600*		150	67.0	320.7	91,500*
	145	64.8	279.2	117,200*		150	65.5	298.9	98,000*		155	66.1	318.6	88,500*
	150	63.7	276.8	113,000*		155	64.5	296.6	95,000*		160	65.2	316.3	85,800*
	155	62.6	274.2	107,900*		160	63.5	294.1	92,000*		165	64.2	313.9	83,100*
	160	61.6	271.6	103,200*		165	62.5	291.6	89,000*		170	63.3	311.5	80,500*
	165	60.5	268.8	98,800*		170	61.5	288.9	86,300*		175	62.3	308.9	78,100*
	170	59.4	265.9	94,700*		175	60.4	286.1	83,600*		180	61.4	306.2	75,800*
	175	58.3	262.9	90,800*		180	59.4	283.2	81,100*		185	60.4	303.5	73,600*
	180	57.1	259.7	87,200*		185	58.4	280.2	78,600*		190	59.4	300.6	71,400*
	185	56.0	256.4	83,800*		190	57.3	277.1	76,200*					
	190	54.8	253.0	80,600*		195	56.2	273.8	73,900*					
	195	53.6	249.4	77,600*		200	55.2	270.4	71,800*					
	200	52.5	245.6	74,700*		205	54.1	266.8	69,700*					
	205	51.2	241.7	72,000*		210	52.9	263.1	67,600*					
	210	50.0	237.6	69,500*		215	51.8	259.3	65,600*					
215	48.7	233.3	67,000*	220	50.7	255.3	63,300*							
220	47.5	228.8	64,700*	225	49.5	251.1	61,100*							
225	46.1	224.1	62,500*	230	48.3	246.7	59,000*							
230	44.8	219.2	60,400*	235	47.1	242.2	57,000*							
235	43.4	214.0	58,400*	240	45.9	237.4	55,100*							
240	42.0	208.6	56,500*											
245	40.6	202.9	54,700*											
250	39.1	196.9	52,900*											
255	37.6	190.6	51,200*											
260	36.0	183.9	49,600*											
265	34.3	176.8	48,100*											
270	32.6	169.2	46,600*											
275	30.7	161.1	45,200*											
280	28.8	152.4	43,800*											
285	26.8	142.9	42,500*											
290	24.6	132.5	40,800*											
295	22.2	120.9	38,900*											
300	19.5	107.8	36,900*											



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## LIFTCRANE CAPACITIES

MEETS  
ANSI B30.5  
REQUIREMENTS

## 4100W SERIES 2

**BOOM NO. 22C WITH OPEN THROAT TOP  
OFFSET 4-1/2 DEGREES  
146,400 LB. CRANE COUNTERWEIGHT  
60,000 LB. CARBODY COUNTERWEIGHT  
26'6" 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 26'6" 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		JIB LGTH.	JIB NO. 123
BOOM LGTH.	JIB NO. 123	BOOM LGTH.	JIB NO. 123	TWO SHEAVE POINT	1,200 LBS.		
260'	---	260'	---		1,500 LBS.	30'	3,000 LBS.
250'	---	250'	---	TO COMPLY WITH B30.5 REQUIREMENTS, UPPER BOOM POINT CANNOT BE USED ON 260' BOOM.		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
<b>70</b>	16.5	82.4	76.1	420,000*	<b>80</b>	17	83.0	86.2	315,400*	<b>90</b>	19	82.5	96.0	276,700*
	17	82.0	76.0	398,900*		18	82.3	86.0	309,400*		20	81.9	95.8	271,500*
	18	81.2	75.8	380,100*		19	81.6	85.8	303,600*		22	80.6	95.4	261,800*
	19	80.3	75.6	363,000*		20	80.8	85.6	298,200*		24	79.3	95.0	252,900*
	20	79.5	75.4	347,300*		22	79.4	85.2	288,000*		26	78.0	94.5	244,800*
	22	77.8	74.9	319,600*		24	77.9	84.7	278,700*		28	76.7	94.0	236,600
	24	76.1	74.3	293,400*		26	76.4	84.2	265,600*		30	75.3	93.4	213,400
	26	74.4	73.7	266,100		28	74.9	83.6	237,000		32	74.0	92.8	194,200
	28	72.7	73.0	237,500		30	73.4	82.9	213,800		34	72.7	92.1	178,000
	30	71.0	72.3	214,300		32	71.9	82.2	194,600		36	71.3	91.4	164,200
	32	69.2	71.4	195,100		34	70.4	81.4	178,500		38	69.9	90.6	152,300
	34	67.4	70.5	178,900		36	68.8	80.6	164,700		40	68.6	89.7	142,000
	36	65.6	69.5	165,200		38	67.3	79.7	152,800		45	65.1	87.4	121,100
	38	63.7	68.5	153,300		40	65.7	78.7	142,400		50	61.4	84.6	105,200
	40	61.8	67.3	143,000		45	61.6	76.0	121,500		55	57.7	81.4	92,800
	45	57.0	64.0	122,100		50	57.4	72.7	105,700		60	53.7	77.8	82,900
	50	51.8	60.1	106,300		55	52.9	68.9	93,300		65	49.5	73.5	74,700
	55	46.1	55.3	93,900		60	48.1	64.5	83,400		70	45.1	68.5	67,800
	60	39.8	49.4	84,000		65	42.9	59.1	75,200		75	40.2	62.7	62,000
	65	32.4	41.8	75,800		70	37.0	52.6	68,300		80	34.7	55.6	57,000
70	22.7	31.1	63,900*	75	30.1	44.4	62,500	85	28.2	46.8	52,600			
				80	21.0	32.7	53,900*	90	19.7	34.3	45,900*			





## LIFT CRANE CAPACITIES

MEETS  
ANSI B30.5  
REQUIREMENTS

## 4100W SERIES 2

BOOM NO. 22C WITH OPEN THROAT TOP  
OFFSET 4-1/2 DEGREES  
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
100	20	82.7	105.9	258,300*
	22	81.5	105.6	248,700*
	24	80.4	105.2	240,100*
	26	79.2	104.8	232,100*
	28	78.0	104.3	224,800*
	30	76.8	103.8	212,900*
	32	75.7	103.2	193,700*
	34	74.5	102.6	177,500*
	36	73.3	102.0	163,700*
	38	72.0	101.3	151,800*
110	40	70.8	100.5	141,400*
	45	67.7	98.5	120,500*
	50	64.6	96.0	104,700*
	55	61.3	93.3	92,300*
	60	57.9	90.1	82,300*
	65	54.4	86.5	74,100*
	70	50.7	82.4	67,200*
	75	46.8	77.7	61,400*
	80	42.6	72.3	56,400*
	85	38.0	66.0	52,000*
120	90	32.8	58.5	48,200*
	95	26.6	49.0	44,900*
	100	18.6	35.8	39,300*
	22	82.3	115.7	240,500*
	24	81.3	115.4	232,100*
	26	80.2	115.0	224,400*
	28	79.1	114.6	217,300*
	30	78.1	114.1	210,700*
	32	77.0	113.6	193,300*
	34	75.9	113.1	177,100*
130	36	74.8	112.5	163,300*
	38	73.7	111.8	151,400*
	40	72.6	111.2	141,000*
	45	69.9	109.3	120,100*
	50	67.0	107.2	104,200*
	55	64.1	104.7	91,800*
	60	61.2	101.9	81,800*
	65	58.1	98.8	73,600*
	70	54.9	95.3	66,800*
	75	51.6	91.3	60,900*
140	80	48.1	86.8	55,900*
	85	44.4	81.7	51,600*
	90	40.4	75.9	47,800*
	95	36.1	69.2	44,400*
	100	31.1	61.1	41,400*
	105	25.3	51.1	38,700*
	110	17.6	37.2	33,900*
	22	83.0	125.9	228,700*
	24	82.0	125.5	220,500*
	26	81.0	125.2	213,000*
28	80.0	124.8	206,100*	
30	79.1	124.4	199,700*	
32	78.1	123.9	192,800*	
34	77.1	123.4	176,600*	
36	76.1	122.9	162,800*	
38	75.1	122.3	150,900*	
40	74.1	121.7	140,500*	
45	71.6	120.0	119,500*	
50	69.1	118.1	103,700*	
55	66.5	115.9	91,300*	
60	63.8	113.4	81,300*	
65	61.1	110.6	73,100*	
70	58.3	107.5	66,200*	
75	55.4	104.0	60,400*	

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	CAPACITY POUNDS
120	80	52.4	100.1	55,300
	85	49.2	95.8	51,000
	90	45.9	91.0	47,200
	95	42.4	85.6	43,800
	100	38.6	79.4	40,800
	105	34.4	72.2	38,100
130	110	29.7	63.7	35,700
	115	24.1	53.2	33,500
	24	82.6	135.7	212,700*
	26	81.7	135.3	205,300*
	28	80.8	135.0	198,600*
	30	79.9	134.6	192,300*
140	32	79.0	134.2	186,500*
	34	78.1	133.7	176,300*
	36	77.2	133.2	162,500*
	38	76.3	132.7	150,600*
	40	75.4	132.1	140,200*
	45	73.1	130.6	119,300*
	50	70.8	128.8	103,400*
	55	68.4	126.8	91,000*
	60	66.0	124.6	81,000*
	65	63.5	122.0	72,800*
150	70	61.0	119.2	65,900*
	75	58.4	116.2	60,000*
	80	55.7	112.7	55,000*
	85	53.0	109.0	50,700*
	90	50.1	104.8	46,800*
	95	47.1	100.1	43,500*
	100	43.9	95.0	40,500*
	105	40.6	89.2	37,800*
	110	36.9	82.6	35,300*
	115	33.0	75.1	33,100*
160	120	28.5	66.2	31,100*
	125	23.1	55.1	29,300*
	26	82.3	145.5	198,400*
	28	81.5	145.1	191,800*
	30	80.7	144.8	185,600*
	32	79.8	144.4	179,900*
	34	79.0	144.0	174,700*
	36	78.1	143.5	162,000*
	38	77.3	143.0	150,100*
	40	76.5	142.5	139,700*
170	45	74.3	141.1	118,700*
	50	72.2	139.4	102,800*
	55	70.0	137.6	90,400*
	60	67.8	135.5	80,400*
	65	65.6	133.2	72,200*
	70	63.3	130.7	65,300*
	75	60.9	127.9	59,500*
	80	58.5	124.8	54,400*
	85	56.1	121.4	50,100*
	90	53.5	117.7	46,200*
180	95	50.9	113.7	42,900*
	100	48.1	109.2	39,900*
	105	45.3	104.2	37,200*
	110	42.2	98.8	34,700*
	115	39.0	92.7	32,500*
	120	35.5	85.8	30,500*
	125	31.7	77.8	28,700*
	130	27.4	68.5	27,000*
	135	22.2	57.0	25,500*

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	CAPACITY POUNDS
150	28	82.1	155.3	185,600*
	30	81.3	154.9	179,600*
	32	80.5	154.6	174,000*
	34	79.7	154.2	168,800*
	36	79.0	153.8	161,600*
	38	78.2	153.3	149,600*
	40	77.4	152.8	139,200*
	45	75.4	151.5	118,200*
	50	73.4	150.0	102,400*
	55	71.4	148.3	89,900*
160	60	69.4	146.4	79,900*
	65	67.3	144.3	71,700*
	70	65.2	141.9	64,800*
	75	63.0	139.4	59,000*
	80	60.9	136.6	53,900*
	85	58.6	133.5	49,600*
	90	56.3	130.2	45,700*
	95	54.0	126.5	42,400*
	100	51.5	122.5	39,400*
	105	49.0	118.2	36,700*
170	110	46.4	113.4	34,200*
	115	43.6	108.2	32,000*
	120	40.7	102.4	30,000*
	125	37.6	96.0	28,200*
	130	34.2	88.8	26,500*
	135	30.5	80.5	25,000*
	140	26.4	70.8	23,500*
	145	21.4	58.8	22,200*
	28	82.6	165.4	179,800*
	30	81.8	165.1	173,900*
32	81.1	164.7	168,400*	
34	80.4	164.4	163,300*	
36	79.7	164.0	158,600*	
180	38	78.9	163.6	149,100*
	40	78.2	163.1	138,700*
	45	76.3	161.9	117,700*
	50	74.5	160.5	101,800*
	55	72.6	158.9	89,300*
	60	70.7	157.1	79,300*
	65	68.8	155.1	71,100*
	70	66.8	153.0	64,200*
	75	64.9	150.6	58,400*
	80	62.9	148.0	53,300*
190	85	60.8	145.2	49,000*
	90	58.7	142.2	45,100*
	95	56.6	138.9	41,800*
	100	54.4	135.3	38,700*
	105	52.1	131.4	36,000*
	110	49.7	127.1	33,600*
	115	47.3	122.5	31,400*
	120	44.8	117.5	29,400*
	125	42.1	112.0	27,600*
	130	39.3	105.9	25,900*
200	135	36.3	99.2	24,300*
	140	33.1	91.7	22,900*
	145	29.5	83.1	21,600*
	150	25.5	72.9	20,400*
	155	20.7	60.5	19,200*





**LIFT CRANE CAPACITIES**  
**BOOM NO. 22C WITH OPEN THROAT TOP**  
**OFFSET 4-1/2 DEGREES**  
**146,400 LB. CRANE COUNTERWEIGHT**  
**60,000 LB. CARBODY COUNTERWEIGHT**  
**26 1/2" CRAWLERS EXTENDED**  
**360 DEGREE RATING**

MEETS  
ANSI B30.5  
REQUIREMENTS

**4100W SERIES 2**

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	CAPACITY POUNDS
170	30	82.3	175.2	169,000*
	32	81.6	174.9	163,600*
	34	81.0	174.5	158,700*
	36	80.3	174.2	154,000*
	38	79.6	173.8	148,800
	40	78.9	173.4	138,400
	45	77.2	172.2	117,400
	50	75.4	170.9	101,500
	55	73.7	169.4	89,100
	60	71.9	167.7	79,000
	65	70.1	165.9	70,800
	70	68.3	163.9	63,900
	75	66.4	161.7	58,100
	80	64.6	159.3	53,000
85	62.7	156.7	48,700	
90	60.8	153.9	44,900	
95	58.8	150.8	41,500	
100	56.8	147.5	38,500	
105	54.7	144.0	35,800	
110	52.6	140.2	33,300	
115	50.4	136.0	31,100	
120	48.1	131.6	29,100	
125	45.8	126.7	27,300	
130	43.3	121.4	25,600	
135	40.8	115.7	24,100	
140	38.1	109.3	22,600	
145	35.2	102.3	21,300	
150	32.0	94.5	20,100	
155	28.6	85.5	18,900	
160	24.7	75.1	17,800	
165	20.0	62.2	16,400*	
180	32	82.1	185.0	158,700*
	34	81.5	184.7	154,000*
	36	80.8	184.3	149,500*
	38	80.2	184.0	145,200*
	40	79.5	183.6	137,900
	45	77.9	182.5	116,900
	50	76.3	181.2	101,000
	55	74.6	179.8	88,500
	60	72.9	178.3	78,500
	65	71.3	176.6	70,300
	70	69.6	174.7	63,400
	75	67.8	172.6	57,500
	80	66.1	170.4	52,500
	85	64.3	168.0	48,100
	90	62.5	165.4	44,300
	95	60.7	162.5	40,900
	100	58.9	159.5	37,900
	105	57.0	156.2	35,200
	110	55.0	152.7	32,700
	115	53.0	149.0	30,500
	120	51.0	144.9	28,500
125	48.9	140.5	26,700	
130	46.7	135.8	25,000	
135	44.4	130.7	23,500	
140	42.0	125.2	22,000	
145	39.6	119.2	20,700	
150	36.9	112.6	19,500	
155	34.1	105.3	18,300	
160	31.1	97.2	17,200	
165	27.7	87.9	16,200	
170	23.9	77.1	15,300	
175	19.4	63.8	13,500*	

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	CAPACITY POUNDS
190	32	82.5	195.1	153,100*
	34	81.9	194.8	148,800*
	36	81.3	194.5	144,800*
	38	80.7	194.1	140,800*
	40	80.1	193.8	137,000*
	45	78.5	192.7	116,400
	50	77.0	191.6	100,500
	55	75.4	190.2	88,000
	60	73.9	188.8	78,000
	65	72.3	187.2	69,700
	70	70.7	185.4	62,800
	75	69.1	183.5	57,000
	80	67.4	181.4	52,000
	85	65.8	179.1	47,600
90	64.1	176.6	43,800	
95	62.4	174.0	40,400	
100	60.7	171.2	37,400	
105	58.9	168.2	34,700	
110	57.1	164.9	32,200	
115	55.3	161.5	30,000	
120	53.4	157.7	28,000	
125	51.5	153.7	26,200	
130	49.5	149.5	24,500	
135	47.5	144.9	22,900	
140	45.3	140.0	21,500	
145	43.1	134.7	20,200	
150	40.8	128.9	18,900	
155	38.4	122.6	17,800	
160	35.9	115.8	16,700	
165	33.2	108.3	15,700	
170	30.2	99.8	14,800	
175	27.0	90.3	13,900	
180	23.3	79.1	13,100	
185	18.9	65.4	11,000*	
200	34	82.3	204.9	143,100*
	36	81.7	204.6	139,500*
	38	81.2	204.3	136,000*
	40	80.6	203.9	132,500*
	45	79.1	203.0	115,900
	50	77.7	201.8	100,000
	55	76.2	200.6	87,500
	60	74.7	199.2	77,400
	65	73.2	197.7	69,200
	70	71.7	196.0	62,300
	75	70.2	194.2	56,400
	80	68.6	192.2	51,400
	85	67.1	190.1	47,000
	90	65.5	187.8	43,200
95	63.9	185.3	39,800	
100	62.3	182.7	36,800	
105	60.6	179.9	34,100	
110	59.0	176.8	31,600	
115	57.3	173.6	29,400	
120	55.5	170.2	27,400	
125	53.8	166.5	25,600	
130	51.9	162.6	23,900	
135	50.1	158.4	22,300	
140	48.1	153.9	20,900	
145	46.2	149.1	19,600	
150	44.1	144.0	18,300	
155	42.0	138.4	17,200	

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	CAPACITY POUNDS
200	160	39.7	132.5	16,100
	165	37.4	126.0	15,100
	170	34.9	118.9	14,200
	175	32.3	111.1	13,300
	180	29.4	102.4	12,400
	185	26.2	92.5	11,700
	190	22.6	81.0	10,900
	195	18.4	67.0	8,500*
210	36	82.1	214.7	134,200*
	38	81.6	214.4	131,000*
	40	81.0	214.1	127,900*
	45	79.6	213.2	115,500
	50	78.3	212.1	99,600
	55	76.9	210.9	87,100
	60	75.4	209.6	77,100
	65	74.0	208.2	68,800
	70	72.6	206.6	61,900
	75	71.2	204.8	56,100
	80	69.7	203.0	51,000
	85	68.2	201.0	46,700
	90	66.7	198.8	42,800
	95	65.2	196.5	39,400
	100	63.7	194.0	36,400
	105	62.2	191.3	33,700
	110	60.6	188.5	31,300
115	59.0	185.5	29,100	
120	57.4	182.3	27,100	
125	55.7	178.9	25,200	
130	54.1	175.2	23,500	
135	52.3	171.4	22,000	
140	50.6	167.3	20,600	
145	48.8	162.9	19,200	
150	46.9	158.2	18,000	
155	45.0	153.2	16,800	
160	43.0	147.9	15,800	
165	40.9	142.1	14,800	
170	38.7	135.9	13,800	
175	36.5	129.2	12,900	
180	34.0	121.9	12,100	
185	31.5	113.9	11,300	
190	28.7	104.9	10,600	
195	25.6	94.8	9,900	
200	22.1	82.9	8,800*	
205	17.9	68.5	6,500*	





## LIFT CRANE CAPACITIES

MEETS  
ANSI B30.5  
REQUIREMENTS

## 4100W SERIES 2

BOOM NO. 22C WITH OPEN THROAT TOP  
OFFSET 4-1/2 DEGREES  
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	
220	38	82.0	224.6	125,700*	
	40	81.4	224.2	122,800*	
	45	80.1	223.3	115,000	
	50	78.8	222.3	99,100	
	55	77.5	221.2	86,600	
	60	76.1	220.0	76,600	
	65	74.8	218.6	68,300	
	70	73.4	217.1	61,400	
	75	72.0	215.4	55,500	
	80	70.7	213.7	50,500	
	85	69.3	211.8	46,100	
	90	67.9	209.7	42,300	
	95	66.4	207.5	38,900	
	100	65.0	205.2	35,800	
	105	63.6	202.7	33,100	
230	110	62.1	200.0	30,700	
	115	60.6	197.2	28,500	
	120	59.1	194.2	26,500	
	125	57.5	191.0	24,600	
	130	55.9	187.6	23,000	
	135	54.3	184.0	21,400	
	140	52.7	180.2	20,000	
	145	51.0	176.1	18,600	
	150	49.3	171.8	17,400	
	155	47.6	167.3	16,300	
	160	45.7	162.4	15,200	
	165	43.9	157.2	14,200	
	170	41.9	151.7	13,200	
	175	39.9	145.7	12,300	
	180	37.8	139.3	11,500	
240	185	35.6	132.4	10,700	
	190	33.2	124.9	10,000	
	195	30.7	116.6	9,300	
	200	28.0	107.3	8,600	
	205	25.0	96.9	8,000	
	210	21.5	84.8	6,500*	
	215	17.5	70.0	4,400*	
	250	38	82.3	234.7	119,600*
		40	81.8	234.4	117,100*
		45	80.6	233.5	111,200*
		50	79.3	232.6	98,600
		55	78.0	231.5	86,100
		60	76.7	230.3	76,100
		65	75.4	229.0	67,800
		70	74.2	227.5	60,900
75		72.9	226.0	55,000	
80		71.5	224.3	50,000	
85		70.2	222.5	45,600	
90		68.9	220.5	41,700	
95		67.5	218.4	38,400	
100		66.2	216.2	35,300	
105		64.8	213.9	32,600	
260	110	63.4	211.3	30,200	
	115	62.0	208.7	28,000	
	120	60.6	205.8	26,000	
	125	59.1	202.8	24,100	
	130	57.6	199.6	22,400	
	135	56.1	196.3	20,900	
	140	54.6	192.7	19,400	
	145	53.0	189.0	18,100	
	150	51.5	185.0	16,900	
	155	49.8	180.7	15,700	
	160	48.2	176.3	14,700	
	165	46.4	171.5	13,600	
	170	44.7	166.5	12,700	

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	CAPACITY POUNDS	
230	175	42.8	161.1	11,800	
	180	40.9	155.4	11,000	
	185	39.0	149.2	10,200	
	190	36.9	142.6	9,400	
	195	34.7	135.5	8,700	
	200	32.4	127.7	8,100	
	205	30.0	119.2	7,400	
	210	27.3	109.7	6,800*	
	215	24.4	99.0	6,100*	
	220	21.0	86.6	4,400*	
240	40	82.2	244.5	111,700*	
	45	81.0	243.7	106,300*	
	50	79.7	242.7	98,100	
	55	78.5	241.7	85,600	
	60	77.3	240.6	75,600	
	65	76.1	239.3	67,300	
	70	74.8	237.9	60,400	
	75	73.6	236.5	54,500	
	80	72.3	234.9	49,500	
	85	71.1	233.1	45,100	
	90	69.8	231.3	41,200	
	95	68.5	229.3	37,800	
	100	67.2	227.2	34,800	
	105	65.9	224.9	32,100	
	110	64.6	222.5	29,700	
250	115	63.3	220.0	27,400	
	120	61.9	217.3	25,400	
	125	60.5	214.5	23,600	
	130	59.1	211.5	21,900	
	135	57.7	208.3	20,300	
	140	56.3	205.0	18,900	
	145	54.8	201.5	17,600	
	150	53.3	197.7	16,300	
	155	51.8	193.8	15,200	
	160	50.3	189.6	14,100	
	165	48.7	185.2	13,100	
	170	47.1	180.6	12,200	
	175	45.4	175.7	11,300	
	180	43.7	170.5	10,400	
	185	41.9	164.9	9,600	
260	190	40.0	159.0	8,900	
	195	38.1	152.6	8,200	
	200	36.1	145.8	7,500*	
	205	34.0	138.5	6,700*	
	210	31.7	130.5	6,000*	
	215	29.3	121.8	5,300*	
	220	26.7	112.1	4,700*	
	225	23.8	101.1	4,000*	
	250	45	81.3	253.8	101,500*
		50	80.2	252.9	96,900*
		55	79.0	251.9	85,200
		60	77.8	250.8	75,200
		65	76.6	249.6	66,900
		70	75.5	248.3	60,000
		75	74.3	246.9	54,100
80		73.1	245.4	49,100	
85		71.9	243.7	44,700	
90		70.6	241.9	40,800	
95		69.4	240.1	37,400	
100		68.2	238.0	34,400	
105		66.9	235.9	31,700	
110		65.7	233.6	29,300	
115		64.4	231.2	27,100	
120	63.1	228.7	25,000		

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	CAPACITY POUNDS
250	125	61.8	226.0	23,200
	130	60.5	223.1	21,500
	135	59.2	220.2	20,000
	140	57.8	217.0	18,500
	145	56.4	213.7	17,200
	150	55.1	210.2	16,000
	155	53.6	206.5	14,800
	160	52.2	202.6	13,700
	165	50.7	198.5	12,700
	170	49.2	194.2	11,800
260	175	47.6	189.6	10,900
	180	46.0	184.8	10,100
	185	44.4	179.7	9,300
	190	42.7	174.3	8,500
	195	41.0	168.6	7,800*
	200	39.2	162.5	7,000*
	205	37.3	156.0	6,200*
	210	35.3	149.0	5,500*
	215	33.3	141.4	4,800*
	220	31.1	133.3	4,100*
260	45	81.7	263.9	96,500*
	50	80.5	263.1	92,300*
	55	79.4	262.1	84,700
	60	78.3	261.1	74,700
	65	77.2	259.9	66,400
	70	76.0	258.7	59,500
	75	74.9	257.3	53,600
	80	73.7	255.8	48,500
	85	72.6	254.3	44,100
	90	71.4	252.6	40,300
	95	70.3	250.8	36,900
	100	69.1	248.8	33,900
	105	67.9	246.8	31,100
	110	66.7	244.6	28,700
	115	65.5	242.3	26,500
260	120	64.2	239.9	24,500
	125	63.0	237.3	22,600
	130	61.8	234.6	20,900
	135	60.5	231.8	19,400
	140	59.2	228.8	17,900
	145	57.9	225.7	16,600
	150	56.6	222.4	15,400
	155	55.2	218.9	14,200
	160	53.9	215.2	13,100
	165	52.5	211.4	12,100
260	170	51.1	207.4	11,200
	175	49.6	203.1	10,300
	180	48.2	198.6	9,500
	185	46.6	193.9	8,700
	190	45.1	188.9	7,900*
	195	43.5	183.7	7,000*
	200	41.8	178.1	6,200*
	205	40.1	172.2	5,400*
	210	38.4	165.9	4,700*
	215	36.5	159.2	4,000*