

STERLING CRANE



LIFTING CHARTS - Crawler Cranes

MANITOWOC MODEL 888 - 230 TON CAPACITY

LIFTCRANE BOOM CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

888 SERIES 1

BOOM NO. 22EL
144,100 LB. COUNTERWEIGHT
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 (*). CAPACITIES ARE NOT SHOWN FOR BOOM POSITIONS WHICH, WITHOUT LOAD, PROVIDE LESS THAN REQUIRED ANSI B30.5 BACKWARD STABILITY.

UPPER BOOM POINT CAPACITY FOR LIFTCRANE SERVICE WITH SINGLE PART WHIP LINE IS 29,500 LBS. OR 59,000 LBS. WITH TWO PART WHIP LINE. WHEN BOOM BUTT MOUNTED AUXILIARY DRUM IS USED, CAPACITY WITH SINGLE PART WHIP LINE IS 20,000 LBS. OR 40,000 LBS. WITH TWO PART WHIP LINE. IN ALL CASES, UPPER BOOM POINT CAPACITIES CANNOT EXCEED THOSE LISTED FOR MAIN BOOM CAPACITY.

250' BOOM LENGTH REQUIRES ONLY THE MIDDLE TWO SHEAVES IN LOWER BOOM POINT. ALL OTHER SHEAVES MUST BE REMOVED FROM LOWER BOOM POINT.

WEIGHT OF JIB, ALL LOAD BLOCKS, HOOKS, WEIGHT BALL, SLINGS, HOIST LINES, ETC., BENEATH BOOM AND JIB POINT SHEAVES, IS CONSIDERED PART OF 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 GANTRY UP. REFER TO BOOM RIGGING NO. 177156 OR NO. 177353 AND WIRE ROPE SPECIFICATION CHART NO. 7810-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. REFER TO OPERATORS MANUAL FOR OPERATING GUIDELINES.

MACHINE TO TRAVEL ON A FIRM, LEVEL AND UNIFORMLY SUPPORTING SURFACE AND BOOM WITHIN BOOM ANGLE RANGE SHOWN IN CAPACITY CHART. REFER TO MAXIMUM ALLOWABLE TRAVEL SPECIFICATION CHART NO. 7808-A.

OPERATING RADIUS IS HORIZONTAL DISTANCE FROM AXIS OF ROTATION TO CENTER OF VERTICAL HOIST LINE OR LOAD BLOCK. BOOM ANGLE IS 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 28'2" EXTENDIBLE CRAWLERS, 48" TREADS, 10'3" RETRACTABLE GANTRY, 30' LIVE MAST, 20 PART BOOM HOIST REEVING, FOUR 1-3/8" BOOM PENDANTS, AND 144,100 LB. COUNTERWEIGHT.

DEDUCT FROM CAPACITIES WHEN JIB IS ATTACHED	
JIB LENGTH	JIB NO. 134
30'	2,700 LBS.
40'	3,500 LBS.
50'	4,300 LBS.
60'	5,100 LBS.
70'	6,100 LBS.
80'	7,100 LBS.

MAXIMUM BOOM AND JIB LENGTHS LIFTED UNASSISTED							
OVER FRONT OF BLOCKED CRAWLERS		OVER REAR OF BLOCKED CRAWLERS		OVER SIDE OF EXTENDED CRAWLERS		OVER SIDE OF RETRACTED CRAWLERS	
BOOM LENGTH	JIB NO. 134	BOOM LENGTH	JIB NO. 134	BOOM LENGTH	JIB NO. 134	BOOM LENGTH	JIB NO. 134
250'	---	240'	---	220'	---	200'	---
240'	---	230'	---	210'	---	190'	30'
230'	30'	220'	50'	200'	50'	180'	60'
220'	60'	210'	70'	190'	80'	170'	80'
210'	80'	200'	80'				

LOAD BLOCK, HOOK AND WEIGHT BALL ON GROUND AT START.

CONSULT JIB CHART FOR JIB CAPACITIES. UPPER BOOM POINT CANNOT BE USED WHEN JIB IS ATTACHED.

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY CRAWLERS	BOOM CAPACITY CRAWLERS
				RETRACTED POUNDS	EXTENDED POUNDS
70	16	82.8	77.2		406,400*
	17	82.0	77.1		384,000*
	18	81.1	76.9		363,800*
	19	80.3	76.7		345,500*
	20	79.5	76.5		328,900*
	22	77.8	76.0		299,800*
	24	76.1	75.5		275,300*
	26	74.4	74.9		244,500
	28	72.7	74.2		215,900
	30	70.9	73.5		192,900
	32	69.2	72.7		174,200
	34	67.4	71.8		158,500

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY CRAWLERS	BOOM CAPACITY CRAWLERS
				RETRACTED POUNDS	EXTENDED POUNDS
70	36	65.6	70.9		145,300
	38	63.7	69.8		133,900
	40	61.9	68.7		124,000
	42	60.0	67.5	97,700	115,400
	44	58.0	66.2	91,400	107,800
	46	56.0	64.9	85,800	101,000
	48	54.0	63.4	80,700	94,900
	50	51.9	61.7	76,200	89,500
	55	46.3	57.1	66,400	77,900
	60	40.1	51.4	58,500	68,600
	65	32.9	44.2	52,000	60,900
	70	23.7	34.1	46,400	54,500

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BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY CRAWLERS RETRACTED POUNDS	BOOM CAPACITY CRAWLERS EXTENDED POUNDS	
80	17	83.0	87.2		383,200*	
	18	82.3	87.0		363,000*	
	19	81.5	86.9		344,700*	
	20	80.8	86.7		328,100*	
	22	79.3	86.3		299,100*	
	24	77.9	85.8		274,500*	
	26	76.4	85.3		245,100	
	28	74.9	84.7		216,300	
	30	73.4	84.1		193,300	
	32	71.9	83.4		174,400	
	34	70.4	82.7		158,700	
	36	68.8	81.9		145,400	
	38	67.3	81.0		134,000	
	40	65.7	80.0	104,700	124,100	
	42	64.1	79.0	97,600	115,500	
	44	62.4	78.0	91,400	107,900	
	46	60.8	76.8	85,700	101,100	
	48	59.1	75.6	80,700	95,000	
	50	57.4	74.3	76,100	89,500	
	55	52.9	70.6	66,400	77,900	
60	48.2	66.2	58,500	68,600		
65	43.0	61.0	52,000	61,000		
70	37.3	54.8	46,500	54,600		
75	30.6	46.9	41,800	49,100		
80	22.0	36.0	37,700	44,400		
90	19	82.5	97.0		344,200*	
	20	81.8	96.8		327,600*	
	22	80.5	96.5		298,600*	
	24	79.2	96.1		274,100*	
	26	77.9	95.6		245,500	
	28	76.6	95.1		216,700	
	30	75.3	94.6		193,600	
	32	74.0	94.0		174,700	
	34	72.6	93.3		159,000	
	36	71.3	92.6		145,600	
	38	69.9	91.8	112,800	134,200	
	40	68.6	91.0	104,800	124,300	
	42	67.2	90.1	97,700	115,600	
	44	65.8	89.2	91,400	108,000	
	46	64.3	88.2	85,800	101,100	
	48	62.9	87.2	80,700	95,000	
	50	61.4	86.0	76,100	89,600	
	55	57.7	82.9	66,400	78,000	
	60	53.8	79.3	58,500	68,700	
	65	49.6	75.2	52,000	61,000	
70	45.2	70.4	46,500	54,700		
75	40.4	64.7	41,800	49,200		
80	35.0	57.9	37,800	44,600		
85	28.7	49.4	34,200	40,500		
90	20.7	37.7	31,100	36,900		
100	20	82.7	107.0		327,300*	
	22	81.5	106.6		298,300*	
	24	80.3	106.3		273,800*	
	26	79.2	105.9		245,900	
	28	78.0	105.4		217,000	
	30	76.8	104.9		193,800	
	32	75.6	104.4		174,900	
	34	74.4	103.8		159,100	
	36	73.2	103.2	122,100	145,800	
	38	72.0	102.5	112,900	134,300	
	40	70.8	101.8	104,900	124,400	
	42	69.6	101.0	97,800	115,700	
	44	68.3	100.2	91,500	108,100	
	46	67.1	99.3	85,800	101,200	
	48	65.8	98.4	80,800	95,100	
	50	64.6	97.4	76,200	89,700	
	100	55	61.3	94.7		66,400
		60	57.9	91.6		58,500
		65	54.4	88.1		52,100
		70	50.8	84.1		46,600
75		46.9	79.5		41,900	
80		42.7	74.3		37,900	
85		38.2	68.1		34,400	
90		33.1	60.8		31,300	
95		27.2	51.7		28,500	
100		19.5	39.4		26,000	
110	22	82.3	116.8		297,700*	
	24	81.2	116.4		273,100*	
	26	80.2	116.1		246,200	
	28	79.1	115.7		217,200	
	30	78.0	115.2		194,000	
	32	77.0	114.7		175,000	
	34	75.9	114.2		159,200	
	36	74.8	113.6	122,000	145,800	
	38	73.7	113.0	112,800	134,300	
	40	72.6	112.4	104,700	124,400	
42	71.5	111.7	97,600	115,700		
44	70.4	110.9	91,300	108,000		
46	69.3	110.2	85,700	101,100		
48	68.2	109.3	80,600	95,000		
50	67.0	108.5	76,000	89,500		
55	64.1	106.1	66,200	77,900		
60	61.2	103.4	58,300	68,600		
65	58.1	100.3	51,800	60,900		
70	55.0	96.8	46,400	54,600		
75	51.7	93.0	41,700	49,200		
80	48.2	88.6	37,700	44,500		
85	44.5	83.6	34,200	40,500		
90	40.6	77.9	31,100	36,900		
95	36.3	71.4	28,400	33,800		
100	31.5	63.6	25,900	31,000		
105	25.8	54.0	23,700	28,400		
110	18.6	40.9	21,600	26,100		
120	22	82.9	126.9		297,200*	
	24	82.0	126.6		272,700*	
	26	81.0	126.2		246,300	
	28	80.0	125.9		217,300	
	30	79.1	125.5		194,000	
	32	78.1	125.0		175,000	
	34	77.1	124.5	132,600	159,200	
	36	76.1	124.0	121,900	145,800	
	38	75.1	123.5	112,700	134,300	
	40	74.1	122.9	104,600	124,300	
42	73.1	122.2	97,500	115,600		
44	72.1	121.6	91,200	107,900		
46	71.1	120.9	85,500	101,100		
48	70.1	120.1	80,500	94,900		
50	69.1	119.3	75,900	89,400		
55	66.5	117.2	66,100	77,800		
60	63.8	114.7	58,200	68,500		
65	61.1	112.0	51,700	60,800		
70	58.3	109.0	46,200	54,500		
75	55.4	105.6	41,600	49,100		
80	52.4	101.8	37,600	44,400		
85	49.3	97.5	34,100	40,400		
90	46.0	92.8	31,000	36,900		
95	42.5	87.5	28,300	33,700		
100	38.7	81.4	25,800	30,900		
105	34.6	74.4	23,600	28,400		
110	30.0	66.2	21,600	26,200		
115	24.7	56.1	19,800	24,100		
120	17.7	42.4	18,100	22,100		

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BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY	BOOM CAPACITY
				CRAWLERS RETRACTED POUNDS	CRAWLERS EXTENDED POUNDS
130	24	82.6	136.7		272,400*
	26	81.7	136.4		246,500
	28	80.8	136.0		217,400
	30	79.9	135.7		194,200
	32	79.0	135.3	145,200	175,100
	34	78.1	134.8	132,700	159,300
	36	77.2	134.3	122,000	145,900
	38	76.3	133.8	112,700	134,400
	40	75.4	133.3	104,600	124,400
	42	74.5	132.7	97,500	115,600
	44	73.5	132.1	91,200	107,900
	46	72.6	131.5	85,500	101,100
	48	71.7	130.8	80,400	95,000
	50	70.7	130.1	75,800	89,400
	55	68.4	128.1	66,100	77,800
	60	66.0	125.9	58,200	68,500
	65	63.5	123.4	51,700	60,800
	70	61.0	120.7	46,200	54,400
	75	58.4	117.6	41,600	49,000
	80	55.8	114.3	37,500	44,400
85	53.0	110.6	34,100	40,400	
90	50.2	106.5	31,000	36,900	
95	47.2	101.9	28,300	33,700	
100	44.0	96.8	25,800	31,000	
105	40.7	91.2	23,600	28,500	
110	37.1	84.8	21,700	26,200	
115	33.2	77.4	19,900	24,200	
120	28.8	68.7	18,200	22,300	
125	23.6	58.1	16,600	20,500	
130	17.0	43.8	15,200	18,900	
140	26	82.3	146.5		246,500
	28	81.5	146.2		217,400
	30	80.6	145.8	159,900	194,100
	32	79.8	145.5	145,000	175,100
	34	79.0	145.1	132,500	159,200
	36	78.1	144.6	121,800	145,700
	38	77.3	144.1	112,600	134,200
	40	76.4	143.6	104,500	124,200
	42	75.6	143.1	97,300	115,500
	44	74.7	142.5	91,000	107,800
	46	73.9	141.9	85,300	100,900
	48	73.0	141.3	80,200	94,800
	50	72.2	140.7	75,600	89,300
	55	70.0	138.9	65,800	77,600
	60	67.8	136.8	57,900	68,300
	65	65.5	134.6	51,400	60,600
	70	63.3	132.1	46,000	54,200
	75	60.9	129.3	41,300	48,800
	80	58.5	126.3	37,300	44,200
	85	56.1	123.0	33,800	40,200
90	53.5	119.3	30,800	36,600	
95	50.9	115.3	28,000	33,500	
100	48.2	110.9	25,600	30,700	
105	45.3	106.1	23,400	28,300	
110	42.3	100.7	21,500	26,000	
115	39.1	94.7	19,700	24,000	
120	35.7	87.9	18,000	22,100	
125	31.9	80.2	16,500	20,400	
130	27.7	71.2	15,100	18,800	
135	22.7	60.1	13,800	17,300	
140	16.3	45.2	12,500	15,900	

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY	BOOM CAPACITY
				CRAWLERS RETRACTED POUNDS	CRAWLERS EXTENDED POUNDS
150	26	82.8	156.6		244,200*
	28	82.0	156.3		217,500
	30	81.3	156.0	159,800	194,200
	32	80.5	155.6	144,900	175,100
	34	79.7	155.3	132,400	159,100
	36	78.9	154.8	121,600	145,700
	38	78.2	154.4	112,400	134,100
	40	77.4	153.9	104,200	124,100
	42	76.6	153.5	97,100	115,300
	44	75.8	152.9	90,700	107,600
	46	75.0	152.4	85,100	100,700
	48	74.2	151.8	79,900	94,600
	50	73.4	151.2	75,300	89,000
	55	71.4	149.5	65,500	77,300
	60	69.4	147.6	57,600	68,000
	65	67.3	145.6	51,100	60,300
	70	65.2	143.3	45,600	53,900
	75	63.0	140.8	40,900	48,500
	80	60.9	138.0	36,900	43,800
	85	58.6	135.0	33,400	39,800
90	56.3	131.7	30,400	36,300	
95	54.0	128.1	27,600	33,100	
100	51.6	124.2	25,200	30,400	
105	49.1	119.9	23,000	27,900	
110	46.4	115.2	21,100	25,600	
115	43.7	110.1	19,300	23,600	
120	40.8	104.4	17,600	21,700	
125	37.7	98.1	16,100	20,000	
130	34.4	91.0	14,700	18,500	
135	30.8	82.9	13,400	17,000	
140	26.7	73.5	12,200	15,700	
145	21.9	62.0	11,100	14,400	
150	15.7	46.5	10,000	13,200	
160	28	82.5	166.4	177,500	217,400
	30	81.8	166.1	159,600	194,000
	32	81.1	165.8	144,700	174,900
	34	80.4	165.4	132,100	159,000
	36	79.6	165.1	121,400	145,500
	38	78.9	164.6	112,100	133,900
	40	78.2	164.2	104,000	123,900
	42	77.4	163.7	96,800	115,100
	44	76.7	163.3	90,500	107,300
	46	76.0	162.7	84,800	100,500
	48	75.2	162.2	79,700	94,300
	50	74.5	161.6	75,000	88,800
	55	72.6	160.1	65,200	77,000
	60	70.7	158.3	57,300	67,700
	65	68.8	156.4	50,800	60,000
	70	66.8	154.3	45,300	53,600
	75	64.9	152.0	40,600	48,200
	80	62.9	149.4	36,600	43,500
	85	60.8	146.7	33,100	39,500
	90	58.7	143.6	30,000	36,000
95	56.6	140.4	27,300	33,800	
100	54.4	136.8	24,900	30,100	
105	52.1	133.0	22,700	27,600	
110	49.8	128.8	20,800	25,300	
115	47.4	124.3	19,000	23,300	
120	44.9	119.3	17,300	21,400	
125	42.2	113.9	15,800	19,800	
130	39.4	108.0	14,500	18,200	
135	36.5	101.4	13,200	16,700	
140	33.3	94.0	12,000	15,400	
145	29.8	85.6	10,900	14,200	
150	25.8	75.7	9,800	13,000	
155	21.2	63.8	8,900	11,900	
160	15.2	47.8	7,900	10,800	

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BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY CRAWLERS RETRACTED POUNDS	BOOM CAPACITY CRAWLERS EXTENDED POUNDS
170	28	83.0	176.5	177,400	213,500*
	30	82.3	176.2	159,500	194,000
	32	81.6	175.9	144,600	174,900
	34	80.9	175.6	132,000	158,900
	36	80.3	175.2	121,300	145,400
	38	79.6	174.9	112,000	133,800
	40	78.9	174.4	103,800	123,800
	42	78.2	174.0	96,700	115,000
	44	77.5	173.6	90,300	107,200
	46	76.8	173.1	84,600	100,300
	48	76.1	172.6	79,500	94,200
	50	75.4	172.0	74,900	88,600
	55	73.7	170.6	65,100	76,900
	60	71.9	168.9	57,100	67,500
	65	70.1	167.1	50,600	59,800
	70	68.3	165.2	45,100	53,400
	75	66.4	163.0	40,400	48,000
	80	64.6	160.6	36,400	43,400
	85	62.7	158.1	32,900	39,300
	90	60.8	155.3	29,900	35,800
95	58.8	152.3	27,100	32,700	
100	56.8	149.1	24,700	29,900	
105	54.7	145.6	22,500	27,400	
110	52.6	141.8	20,600	25,200	
115	50.4	137.7	18,800	23,100	
120	48.2	133.3	17,200	21,300	
125	45.9	128.5	15,700	19,600	
130	43.4	123.3	14,300	18,000	
135	40.9	117.6	13,000	16,600	
140	38.2	111.4	11,800	15,300	
145	35.3	104.5	10,800	14,000	
150	32.2	96.8	9,700	12,900	
155	28.8	88.1	8,800	11,800	
160	25.0	77.9	7,900	10,800	
165	20.5	65.6	7,000	9,800	
180	30	82.7	186.3	159,300	193,900
	32	82.1	186.0	144,400	174,700
	34	81.4	185.7	131,800	158,700
	36	80.8	185.4	121,000	145,200
	38	80.2	185.0	111,700	133,600
	40	79.5	184.6	103,600	123,500
	42	78.9	184.2	96,400	114,700
	44	78.2	183.8	90,000	107,000
	46	77.6	183.4	84,300	100,100
	48	76.9	182.9	79,200	93,900
	50	76.2	182.4	74,600	88,300
	55	74.6	181.0	64,700	76,600
	60	72.9	179.5	56,800	67,200
	65	71.2	177.8	50,200	59,500
	70	69.5	175.9	44,800	53,100
	75	67.8	173.9	40,100	47,700
	80	66.1	171.7	36,100	43,000
	85	64.3	169.3	32,600	39,000
	90	62.5	166.8	29,500	35,500
	95	60.7	164.0	26,800	32,300
100	58.9	161.0	24,400	29,600	
105	57.0	157.8	22,200	27,100	
110	55.0	154.3	20,200	24,800	
115	53.0	150.6	18,400	22,800	
120	51.0	146.6	16,800	21,000	
125	48.9	142.3	15,300	19,300	
130	46.7	137.6	14,000	17,700	
135	44.5	132.6	12,700	16,300	
140	42.1	127.1	11,500	14,900	
145	39.7	121.2	10,400	13,700	
150	37.1	114.7	9,400	12,600	
155	34.3	107.6	8,500	11,500	
160	31.3	99.6	7,600	10,500	
165	28.0	90.6	6,700	9,500	
170	24.3	80.0	5,900	8,600	
175	19.9	67.3	5,100	7,800	

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY CRAWLERS RETRACTED POUNDS	BOOM CAPACITY CRAWLERS EXTENDED POUNDS
190	32	82.5	196.2	144,200	174,600
	34	81.9	195.9	131,600	158,600
	36	81.3	195.5	120,800	145,100
	38	80.7	195.2	111,500	133,400
	40	80.1	194.8	103,300	123,300
	42	79.4	194.4	96,100	114,500
	44	78.8	194.0	89,700	106,700
	46	78.2	193.6	84,000	99,800
	48	77.6	193.2	78,900	93,600
	50	77.0	192.7	74,200	88,100
	55	75.4	191.4	64,400	76,300
	60	73.9	189.9	56,400	66,900
	65	72.3	188.4	49,900	59,200
	70	70.7	186.6	44,400	52,700
	75	69.1	184.7	39,700	47,300
	80	67.4	182.7	35,700	42,600
	85	65.8	180.4	32,200	38,600
	90	64.1	178.0	29,100	35,000
	95	62.4	175.4	26,400	31,900
	100	60.7	172.6	23,900	29,100
105	58.9	169.6	21,700	26,600	
110	57.1	166.4	19,800	24,400	
115	55.3	163.0	18,000	22,400	
120	53.4	159.3	16,400	20,500	
125	51.5	155.4	14,900	18,800	
130	49.5	151.2	13,500	17,300	
135	47.5	146.7	12,200	15,800	
140	45.4	141.8	11,100	14,500	
145	43.2	136.5	10,000	13,300	
150	40.9	130.9	8,900	12,100	
155	38.5	124.7	8,000	11,000	
160	36.0	118.0	7,100	10,000	
165	33.3	110.6	6,300	9,100	
170	30.4	102.3	5,500	8,200	
175	27.2	93.0	4,700	7,400	
180	23.6	82.1	4,000	6,600	
185	19.4	68.9		5,800	
200	32	82.9	206.3	144,000	171,000*
	34	82.3	206.0	131,300	158,400
	36	81.7	205.7	120,500	144,800
	38	81.1	205.3	111,200	133,100
	40	80.6	205.0	103,000	123,100
	42	80.0	204.6	95,800	114,200
	44	79.4	204.2	89,400	106,400
	46	78.8	203.8	83,700	99,500
	48	78.2	203.4	78,500	93,300
	50	77.6	203.0	73,900	87,700
	55	76.2	201.7	64,000	75,900
	60	74.7	200.4	56,000	66,500
	65	73.2	198.9	49,500	58,800
	70	71.7	197.2	44,000	52,400
	75	70.2	195.4	39,300	46,900
	80	68.6	193.5	35,300	42,300
	85	67.1	191.4	31,800	38,200
	90	65.5	189.1	28,700	34,700
	95	63.9	186.7	26,000	31,500
	100	62.3	184.1	23,500	28,700
105	60.6	181.3	21,300	26,300	
110	59.0	178.3	19,400	24,000	
115	57.3	175.1	17,600	22,000	
120	55.5	171.7	16,000	20,100	
125	53.8	168.1	14,500	18,400	
130	52.0	164.2	13,100	16,900	
135	50.1	160.1	11,800	15,400	
140	48.2	155.6	10,700	14,100	
145	46.2	150.9	9,600	12,900	
150	44.2	145.8	8,600	11,700	
155	42.1	140.4	7,600	10,700	
160	39.8	134.5	6,700	9,700	
165	37.5	128.1	5,900	8,700	
170	35.1	121.1	5,100	7,900	
175	32.4	113.4	4,400	7,000	
180	29.6	104.9		6,200	
185	26.5	95.3		5,500	
190	23.0	84.1		4,800	
195	18.9	70.6		4,100	

STERLING CRANE

LIFT CRANE BOOM CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

888 SERIES 1

BOOM NO. 22EL
144,100 LB. COUNTERWEIGHT
360 DEGREE RATING

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY	BOOM CAPACITY
				CRAWLERS RETRACTED POUNDS	CRAWLERS EXTENDED POUNDS
210	34	82.7	216.1	131,100	158,200
	36	82.1	215.8	120,300	144,600
	38	81.6	215.5	110,900	133,000
	40	81.0	215.1	102,800	122,900
	42	80.5	214.8	95,600	114,000
	44	79.9	214.4	89,200	106,200
	46	79.4	214.0	83,400	99,300
	48	78.8	213.6	78,300	93,100
	50	78.2	213.2	73,600	87,500
	55	76.8	212.0	63,800	75,700
	60	75.4	210.8	55,800	66,300
	65	74.0	209.3	49,200	58,600
	70	72.6	207.8	43,700	52,100
	75	71.1	206.1	39,000	46,700
	80	69.7	204.2	35,000	42,000
	85	68.2	202.2	31,500	37,900
	90	66.7	200.1	28,400	34,400
	95	65.2	197.8	25,700	31,300
	100	63.7	195.4	23,200	28,500
	105	62.2	192.7	21,100	26,000
110	60.6	189.9	19,100	23,700	
115	59.0	187.0	17,300	21,700	
120	57.4	183.8	15,700	19,800	
125	55.8	180.4	14,200	18,200	
130	54.1	176.8	12,800	16,600	
135	52.4	173.0	11,600	15,200	
140	50.6	168.9	10,400	13,800	
145	48.8	164.6	9,300	12,600	
150	46.9	160.0	8,300	11,500	
155	45.0	155.1	7,400	10,400	
160	43.0	149.8	6,500	9,400	
165	41.0	144.1	5,600	8,500	
170	38.8	138.0	4,900	7,600	
175	36.6	131.4	4,100	6,800	
180	34.2	124.2		6,000	
185	31.6	116.3		5,300	
190	28.9	107.5		4,500	
220	34	83.0	226.2	130,800	147,500*
	36	82.5	225.9	120,000	144,300
	38	82.0	225.6	110,600	132,700
	40	81.4	225.3	102,400	122,600
	42	80.9	224.9	95,200	113,700
	44	80.4	224.6	88,800	105,900
	46	79.8	224.2	83,100	99,000
	48	79.3	223.8	77,900	92,800
	50	78.8	223.4	73,300	87,200
	55	77.5	222.3	63,400	75,400
	60	76.1	221.1	55,400	65,900
	65	74.8	219.7	48,800	58,200
	70	73.4	218.3	43,300	51,700
	75	72.0	216.6	38,600	46,300
	80	70.7	214.9	34,600	41,600
	85	69.3	213.0	31,100	37,600
	90	67.9	211.0	28,000	34,000
	95	66.4	208.8	25,300	30,900
	100	65.0	206.5	22,800	28,100
	105	63.6	204.0	20,700	25,600
	110	62.1	201.4	18,700	23,300
	115	60.6	198.6	16,900	21,300
	120	59.1	195.6	15,300	19,500
	125	57.5	192.5	13,800	17,800
	130	56.0	189.1	12,400	16,200
	135	54.4	185.6	11,200	14,800
	140	52.7	181.8	10,000	13,500
	145	51.1	177.8	8,900	12,200
	150	49.4	173.5	7,900	11,100
	155	47.6	169.0	7,000	10,000
160	45.8	164.2	6,100	9,000	
165	43.9	159.1	5,200	8,100	
170	42.0	153.6	4,500	7,200	
175	40.0	147.7		6,400	
180	37.9	141.4		5,600	
185	35.7	134.6		4,900	
190	33.4	127.1		4,200	

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY	BOOM CAPACITY
				CRAWLERS RETRACTED POUNDS	CRAWLERS EXTENDED POUNDS
230	36	82.8	236.0	119,800	133,600*
	38	82.3	235.7	110,400	132,500
	40	81.8	235.4	102,200	122,400
	42	81.3	235.1	95,000	113,500
	44	80.8	234.7	88,500	105,700
	46	80.3	234.4	82,800	98,700
	48	79.8	234.0	77,600	92,500
	50	79.3	233.6	73,000	86,900
	55	78.0	232.6	63,000	75,100
	60	76.7	231.4	55,000	65,600
	65	75.4	230.1	48,400	57,800
	70	74.1	228.7	42,900	51,400
	75	72.8	227.2	38,200	45,900
	80	71.5	225.5	34,200	41,200
	85	70.2	223.7	30,600	37,100
	90	68.9	221.8	27,600	33,600
	95	67.5	219.7	24,800	30,400
	100	66.2	217.5	22,400	27,600
	105	64.8	215.2	20,200	25,100
	110	63.4	212.7	18,200	22,900
115	62.0	210.1	16,400	20,800	
120	60.6	207.3	14,800	19,000	
125	59.1	204.3	13,300	17,300	
130	57.6	201.1	11,900	15,700	
135	56.1	197.8	10,700	14,300	
140	54.6	194.3	9,500	13,000	
145	53.1	190.6	8,400	11,700	
150	51.5	186.6	7,400	10,600	
155	49.9	182.4	6,500	9,500	
160	48.2	178.0	5,600	8,500	
165	46.5	173.3	4,700	7,600	
170	44.7	168.3	4,000	6,700	
175	42.9	163.0		5,900	
180	41.0	157.3		5,100	
185	39.1	151.3		4,400	
240	38	82.6	245.8	110,100	121,300*
	40	82.2	245.5	101,800	121,000*
	42	81.7	245.2	94,600	113,200
	44	81.2	244.9	88,200	105,300
	46	80.7	244.6	82,400	98,400
	48	80.2	244.2	77,200	92,100
	50	79.7	243.8	72,600	86,500
	55	78.5	242.8	62,600	74,700
	60	77.3	241.7	54,600	65,200
	65	76.1	240.5	48,000	57,400
	70	74.8	239.1	42,500	51,000
	75	73.6	237.6	37,800	45,500
	80	72.3	236.1	33,700	40,800
	85	71.1	234.4	30,200	36,700
	90	69.8	232.5	27,100	33,200
	95	68.5	230.6	24,400	30,000
	100	67.2	228.5	22,000	27,200
	105	65.9	226.3	19,800	24,700
	110	64.6	223.9	17,800	22,500
	115	63.3	221.4	16,000	20,400
120	61.9	218.7	14,400	18,600	
125	60.5	215.9	12,900	16,900	
130	59.2	213.0	11,500	15,300	
135	57.7	209.8	10,200	13,900	
140	56.3	206.5	9,100	12,500	
145	54.9	203.0	8,000	11,300	
150	53.4	199.3	7,000	10,200	
155	51.9	195.4	6,000	9,100	
160	50.3	191.3	5,100	8,100	
165	48.7	187.0	4,300	7,200	
170	47.1	182.4		6,300	
175	45.4	177.5		5,500	
180	43.7	172.3		4,700	
185	41.9	166.8		4,000	

STERLING CRANE

LIFTCRANE BOOM CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

888 SERIES 1

BOOM NO. 22EL
144,100 LB. COUNTERWEIGHT
360 DEGREE RATING

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY CRAWLERS RETRACTED POUNDS	BOOM CAPACITY CRAWLERS EXTENDED POUNDS
250	38	82.9	255.9	110,200*	110,200*
	40	82.5	255.6	102,000	109,900*
	42	82.0	255.3	94,800	109,600*
	44	81.5	255.0	88,400	105,600
	46	81.1	254.7	82,600	98,600
	48	80.6	254.4	77,400	92,400
	50	80.1	254.0	72,800	86,700
	55	79.0	253.0	62,800	74,900
	60	77.8	252.0	54,800	65,400
	65	76.6	250.8	48,200	57,600
	70	75.4	249.5	42,700	51,200
	75	74.3	248.1	38,000	45,700
	80	73.1	246.6	33,900	41,000
	85	71.9	244.9	30,400	36,900
	90	70.6	243.2	27,300	33,300
	95	69.4	241.3	24,600	30,200
	100	68.2	239.3	22,100	27,400
	105	66.9	237.2	19,900	24,900
	110	65.7	235.0	18,000	22,600
	115	64.4	232.6	16,200	20,600
120	63.1	230.1	14,500	18,700	
125	61.8	227.4	13,100	17,000	
130	60.5	224.6	11,700	15,500	
135	59.2	221.6	10,400	14,100	
140	57.8	218.5	9,200	12,700	
145	56.5	215.2	8,200	11,500	
150	55.1	211.7	7,200	10,400	
155	53.6	208.1	6,200	9,300	
160	52.2	204.2	5,300	8,300	
165	50.7	200.2	4,500	7,400	
170	49.2	195.9		6,500	
175	47.7	191.4		5,700	
180	46.1	186.6		4,900	
185	44.5	181.6		4,200	