

STERLING CRANE



LIFTING CHARTS - Crawler Cranes

MANITOWOC MODEL 888 - 230 TON CAPACITY

LIFTCRANE BOOM CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

888 SERIES 2

BOOM NO. 22EL
179,100 LB. CRANE COUNTERWEIGHT
44,000 LB. CARBODY 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' THRU 290' BOOM LENGTHS REQUIRE 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, 179,100 LB. CRANE COUNTERWEIGHT AND 44,000 LB. CARBODY 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
(a) 290'	---	(a) 280'	---	(a) 260'	---	230'	---
280'	---	270'	---	250'	---	220'	30'
270'	---	260'	40'	240'	---	210'	60'
260'	50'	250'	70'	230'	50'	200'	80'
250'	80'	240'	80'	220'	80'		

LOAD BLOCK, HOOK AND WEIGHT BALL ON GROUND AT START. (a) UPPER BOOM POINT CANNOT BE USED ON 290' BOOM AND CANNOT BE LIFTED OVER REAR OF BLOCKED CRAWLERS ON 280' BOOM OR SIDE OF EXTENDED CRAWLERS ON 260' BOOM.

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	BOOM
				CAPACITY CRAWLERS RETRACTED POUNDS	CAPACITY CRAWLERS EXTENDED POUNDS
70	16	82.8	77.2		441,000*
	17	82.0	77.1		408,300*
	18	81.1	76.9		386,800*
	19	80.3	76.7		367,400*
	20	79.5	76.5		349,800*
	22	77.8	76.0		319,000*
	24	76.1	75.5		293,000*
	26	74.4	74.9		270,700*
	28	72.7	74.2		251,400*
	30	70.9	73.5		234,400*
	32	69.2	72.7		219,000
	34	67.4	71.8		199,600

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM	BOOM
				CAPACITY CRAWLERS RETRACTED POUNDS	CAPACITY CRAWLERS EXTENDED POUNDS
70	36	65.6	70.9		183,200
	38	63.7	69.8		169,100
	40	61.9	68.7		156,900
	42	60.0	67.5		146,200
	44	58.0	66.2		136,800
	46	56.0	64.9		128,400
	48	54.0	63.4	109,400	120,900
	50	51.9	61.7	97,500	114,100
	55	46.3	57.1	85,500	99,800
	60	40.1	51.4	75,700	88,300
	65	32.9	44.2	67,700	78,900
	70	23.7	34.1	60,800	70,900

STERLING CRANE

LIFT CRANE BOOM CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

888 SERIES 2

BOOM NO. 22EL
179,100 LB. CRANE COUNTERWEIGHT
44,000 LB. CARBODY 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
80	17	83.0	87.2		405,400*
	18	82.3	87.0		386,000*
	19	81.5	86.9		366,700*
	20	80.8	86.7		349,100*
	22	79.3	86.3		318,300*
	24	77.9	85.8		292,200*
	26	76.4	85.3		270,000*
	28	74.9	84.7		250,600*
	30	73.4	84.1		233,700*
	32	71.9	83.4		218,800*
	34	70.4	82.7		199,800
	36	68.8	81.9		183,400
	38	67.3	81.0		169,300
	40	65.7	80.0		157,000
	42	64.1	79.0		146,300
	44	62.4	78.0	116,200	136,900
	46	60.8	76.8	109,300	128,500
	48	59.1	75.6	103,100	120,900
	50	57.4	74.3	97,400	114,200
	55	52.9	70.6	85,400	99,800
60	48.2	66.2	75,700	88,300	
65	43.0	61.0	67,600	78,900	
70	37.3	54.8	60,900	71,000	
75	30.6	46.9	55,100	64,300	
80	22.0	36.0	50,000	58,500	
90	19	82.5	97.0		365,000*
	20	81.8	96.8		348,600*
	22	80.5	96.5		317,800*
	24	79.2	96.1		291,800*
	26	77.9	95.6		269,500*
	28	76.6	95.1		250,200*
	30	75.3	94.6		233,300*
	32	74.0	94.0		218,400*
	34	72.6	93.3		200,100
	36	71.3	92.6		183,600
	38	69.9	91.8		169,400
	40	68.6	91.0		157,200
	42	67.2	90.1	124,000	146,400
	44	65.8	89.2	116,300	137,000
	46	64.3	88.2	109,300	128,500
	48	62.9	87.2	103,100	121,000
	50	61.4	86.0	97,400	114,200
	55	57.7	82.9	85,400	99,900
60	53.8	79.3	75,700	88,400	
65	49.6	75.2	67,600	79,000	
70	45.2	70.4	60,900	71,100	
75	40.4	64.7	55,200	64,400	
80	35.0	57.9	50,200	58,700	
85	28.7	49.4	45,800	53,600	
90	20.7	37.7	41,900	49,200	
100	20	82.7	107.0		348,200*
	22	81.5	106.6		317,500*
	24	80.3	106.3		291,500*
	26	79.2	105.9		269,200*
	28	78.0	105.4		249,900*
	30	76.8	104.9		233,000*
	32	75.6	104.4		218,100*
	34	74.4	103.8		200,200
	36	73.2	103.2		183,700
	38	72.0	102.5		169,600
	40	70.8	101.8		157,300
	42	69.6	101.0	124,100	146,600
	44	68.3	100.2	116,300	137,100
	46	67.1	99.3	109,400	128,600
	48	65.8	98.4	103,100	121,100
	50	64.6	97.4	97,500	114,300

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY CRAWLERS RETRACTED POUNDS	BOOM CAPACITY CRAWLERS EXTENDED POUNDS
100	55	61.3	94.7	85,400	100,000
	60	57.9	91.6	75,700	88,500
	65	54.4	88.1	67,700	79,100
	70	50.8	84.1	61,000	71,200
	75	46.9	79.5	55,300	64,500
	80	42.7	74.3	50,300	58,800
	85	38.2	68.1	46,000	53,800
	90	33.1	60.8	42,200	49,400
	95	27.2	51.7	38,800	45,500
	100	19.5	39.4	35,700	42,000
110	22	82.3	116.8		316,900*
	24	81.2	116.4		290,900*
	26	80.2	116.1		268,600*
	28	79.1	115.7		249,300*
	30	78.0	115.2		232,400*
	32	77.0	114.7		217,500*
	34	75.9	114.2		200,300
	36	74.8	113.6		183,700
	38	73.7	113.0		169,600
	40	72.6	112.4	132,800	157,300
	42	71.5	111.7	124,000	146,500
	44	70.4	110.9	116,200	137,000
	46	69.3	110.2	109,200	128,500
	48	68.2	109.3	103,000	121,000
	50	67.0	108.5	97,300	114,200
	55	64.1	106.1	85,200	99,800
	60	61.2	103.4	75,500	88,300
	65	58.1	100.3	67,500	78,900
70	55.0	96.8	60,800	71,000	
75	51.7	93.0	55,000	64,300	
80	48.2	88.6	50,100	58,600	
85	44.5	83.6	45,800	53,600	
90	40.6	77.9	42,000	49,300	
95	36.3	71.4	38,600	45,400	
100	31.5	63.6	35,600	41,900	
105	25.8	54.0	32,800	38,800	
110	18.6	40.9	30,300	36,000	
120	22	82.9	126.9		309,900*
	24	82.0	126.6		290,400*
	26	81.0	126.2		268,100*
	28	80.0	125.9		248,800*
	30	79.1	125.5		232,000*
	32	78.1	125.0		217,100*
	34	77.1	124.5		200,300
	36	76.1	124.0		183,700
	38	75.1	123.5	142,600	169,500
	40	74.1	122.9	132,700	157,200
	42	73.1	122.2	123,900	146,400
	44	72.1	121.6	116,100	136,900
	46	71.1	120.9	109,100	128,500
	48	70.1	120.1	102,800	120,900
	50	69.1	119.3	97,200	114,100
	55	66.5	117.2	85,100	99,700
	60	63.8	114.7	75,400	88,200
	65	61.1	112.0	67,300	78,800
70	58.3	109.0	60,600	70,900	
75	55.4	105.6	54,900	64,200	
80	52.4	101.8	50,000	58,500	
85	49.3	97.5	45,700	53,500	
90	46.0	92.8	41,900	49,200	
95	42.5	87.5	38,500	45,300	
100	38.7	81.4	35,500	41,900	
105	34.6	74.4	32,800	38,800	
110	30.0	66.2	30,400	36,000	
115	24.7	56.1	28,100	33,500	
120	17.7	42.4	26,000	31,100	

STERLING CRANE

LIFT CRANE BOOM CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

888 SERIES 2

BOOM NO. 22EL
179,100 LB. CRANE COUNTERWEIGHT
44,000 LB. CARBODY 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
130	24	82.6	136.7		285,200*
	26	81.7	136.4		267,800*
	28	80.8	136.0		248,600*
	30	79.9	135.7		231,700*
	32	79.0	135.3		216,800*
	34	78.1	134.8		200,400
	36	77.2	134.3	154,100	183,800
	38	76.3	133.8	142,600	169,600
	40	75.4	133.3	132,700	157,300
	42	74.5	132.7	123,900	146,500
	44	73.5	132.1	116,100	137,000
	46	72.6	131.5	109,100	128,500
	48	71.7	130.8	102,800	120,900
	50	70.7	130.1	97,100	114,100
	55	68.4	128.1	85,100	99,700
	60	66.0	125.9	75,300	88,200
	65	63.5	123.4	67,300	78,800
	70	61.0	120.7	60,600	70,900
75	58.4	117.6	54,900	64,200	
80	55.8	114.3	49,900	58,500	
85	53.0	110.6	45,600	53,500	
90	50.2	106.5	41,900	49,200	
95	47.2	101.9	38,500	45,300	
100	44.0	96.8	35,500	41,900	
105	40.7	91.2	32,800	38,800	
110	37.1	84.8	30,400	36,100	
115	33.2	77.4	28,200	33,500	
120	28.8	68.7	26,100	31,200	
125	23.6	58.1	24,300	29,100	
130	17.0	43.8	22,500	27,100	
140	26	82.3	146.5		267,300*
	28	81.5	146.2		248,000*
	30	80.6	145.8		231,200*
	32	79.8	145.5		216,300*
	34	79.0	145.1	167,100	200,300
	36	78.1	144.6	153,900	183,700
	38	77.3	144.1	142,500	169,400
	40	76.4	143.6	132,500	157,100
	42	75.6	143.1	123,700	146,300
	44	74.7	142.5	115,900	136,800
	46	73.9	141.9	108,900	128,300
	48	73.0	141.3	102,600	120,700
	50	72.2	140.7	96,900	113,900
	55	70.0	138.9	84,900	99,500
	60	67.8	136.8	75,100	88,000
	65	65.5	134.6	67,100	78,500
	70	63.3	132.1	60,400	70,700
	75	60.9	129.3	54,600	64,000
80	58.5	126.3	49,700	58,300	
85	56.1	123.0	45,400	53,300	
90	53.5	119.3	41,600	49,000	
95	50.9	115.3	38,300	45,100	
100	48.2	110.9	35,300	41,700	
105	45.3	106.1	32,600	38,600	
110	42.3	100.7	30,200	35,900	
115	39.1	94.7	28,000	33,400	
120	35.7	87.9	26,000	31,100	
125	31.9	80.2	24,100	29,000	
130	27.7	71.2	22,400	27,000	
135	22.7	60.1	20,800	25,200	
140	16.3	45.2	19,300	23,500	

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY CRAWLERS RETRACTED POUNDS	BOOM CAPACITY CRAWLERS EXTENDED POUNDS
150	26	82.8	156.6		244,200*
	28	82.0	156.3		238,700*
	30	81.3	156.0		230,500*
	32	80.5	155.6		215,600*
	34	79.7	155.3		200,200
	36	78.9	154.8	166,900	183,600
	38	78.2	154.4	153,700	169,300
	40	77.4	153.9	142,300	157,000
	42	76.6	153.5	132,300	146,100
	44	75.8	152.9	123,400	136,600
	46	75.0	152.4	115,600	128,100
	48	74.2	151.8	108,600	120,500
	50	73.4	151.2	102,300	113,700
	55	71.4	149.5	96,600	99,200
	60	69.4	147.6	84,500	87,700
	65	67.3	145.6	74,800	78,200
	70	65.2	143.3	66,700	70,300
	75	63.0	140.8	60,000	63,700
80	60.9	138.0	54,200	57,900	
85	58.6	135.0	49,300	53,000	
90	56.3	131.7	45,000	48,600	
95	54.0	128.1	41,200	44,800	
100	51.6	124.2	37,900	41,300	
105	49.1	119.9	34,900	38,300	
110	46.4	115.2	32,200	35,500	
115	43.7	110.1	29,800	33,000	
120	40.8	104.4	27,600	30,700	
125	37.7	98.1	25,600	28,600	
130	34.4	91.0	23,700	26,700	
135	30.8	82.9	22,000	24,900	
140	26.7	73.5	20,500	23,200	
145	21.9	62.0	19,000	21,700	
150	15.7	46.5	17,600	20,200	
160	28	82.5	166.4		228,900*
	30	81.8	166.1		223,800*
	32	81.1	165.8		215,000*
	34	80.4	165.4	182,200	200,100
	36	79.6	165.1	166,700	183,400
	38	78.9	164.6	153,500	169,100
	40	78.2	164.2	142,000	156,700
	42	77.4	163.7	132,000	145,900
	44	76.7	163.3	123,200	136,400
	46	76.0	162.7	115,300	127,900
	48	75.2	162.2	108,300	120,300
	50	74.5	161.6	102,000	113,400
	55	72.6	160.1	96,300	99,000
	60	70.7	158.3	84,200	87,400
	65	68.8	156.4	74,500	77,900
	70	66.8	154.3	66,400	70,000
	75	64.9	152.0	59,700	63,400
	80	62.9	149.4	53,900	57,600
85	60.8	146.7	49,000	52,700	
90	58.7	143.6	44,700	48,300	
95	56.6	140.4	40,900	44,500	
100	54.4	136.8	37,600	41,000	
105	52.1	133.0	34,600	38,000	
110	49.8	128.8	31,900	35,200	
115	47.4	124.3	29,500	32,700	
120	44.9	119.3	27,300	30,400	
125	42.2	113.9	25,300	28,300	
130	39.4	108.0	23,400	26,400	
135	36.5	101.4	21,800	24,600	
140	33.3	94.0	20,200	23,000	
145	29.8	85.6	18,700	21,500	
150	25.8	75.7	17,400	20,000	
155	21.2	63.8	16,100	18,700	
160	15.2	47.8	14,900	17,400	

STERLING CRANE

LIFTCRANE BOOM CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

888 SERIES 2

BOOM NO. 22EL
179,100 LB. CRANE COUNTERWEIGHT
44,000 LB. CARBODY 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
170	28	83.0	176.5		213,500*
	30	82.3	176.2	200,500	209,400*
	32	81.6	175.9	182,100	205,400*
	34	80.9	175.6	166,600	200,000
	36	80.3	175.2	153,400	183,300
	38	79.6	174.9	141,900	169,000
	40	78.9	174.4	131,900	156,600
	42	78.2	174.0	123,000	145,800
	44	77.5	173.6	115,200	136,200
	46	76.8	173.1	108,200	127,700
	48	76.1	172.6	101,900	120,100
	50	75.4	172.0	96,200	113,300
	55	73.7	170.6	84,100	98,800
	60	71.9	168.9	74,300	87,200
	65	70.1	167.1	66,200	77,800
	70	68.3	165.2	59,500	69,900
	75	66.4	163.0	53,800	63,200
	80	64.6	160.6	48,800	57,500
	85	62.7	158.1	44,500	52,500
	90	60.8	155.3	40,700	48,100
95	58.8	152.3	37,400	44,300	
100	56.8	149.1	34,400	40,900	
105	54.7	145.6	31,700	37,800	
110	52.6	141.8	29,300	35,000	
115	50.4	137.7	27,100	32,500	
120	48.2	133.3	25,100	30,300	
125	45.9	128.5	23,300	28,200	
130	43.4	123.3	21,600	26,300	
135	40.9	117.6	20,000	24,500	
140	38.2	111.4	18,600	22,900	
145	35.3	104.5	17,200	21,300	
150	32.2	96.8	16,000	19,900	
155	28.8	88.1	14,800	18,600	
160	25.0	77.9	13,700	17,300	
165	20.5	65.6	12,600	16,200	
180	30	82.7	186.3	199,200*	199,200*
	32	82.1	186.0	181,900	195,500*
	34	81.4	185.7	166,400	191,800*
	36	80.8	185.4	153,100	183,100
	38	80.2	185.0	141,600	168,800
	40	79.5	184.6	131,600	156,400
	42	78.9	184.2	122,700	145,500
	44	78.2	183.8	114,900	136,000
	46	77.6	183.4	107,900	127,500
	48	76.9	182.9	101,600	119,800
	50	76.2	182.4	95,900	113,000
	55	74.6	181.0	83,700	98,500
	60	72.9	179.5	74,000	86,900
	65	71.2	177.8	65,900	77,500
	70	69.5	175.9	59,200	69,500
	75	67.8	173.9	53,400	62,900
	80	66.1	171.7	48,500	57,100
	85	64.3	169.3	44,200	52,100
	90	62.5	166.8	40,400	47,800
	95	60.7	164.0	37,000	43,900
100	58.9	161.0	34,100	40,500	
105	57.0	157.8	31,400	37,500	
110	55.0	154.3	29,000	34,700	
115	53.0	150.6	26,800	32,200	
120	51.0	146.6	24,800	29,900	
125	48.9	142.3	22,900	27,800	
130	46.7	137.6	21,300	25,900	
135	44.5	132.6	19,700	24,200	
140	42.1	127.1	18,300	22,500	
145	39.7	121.2	16,900	21,000	
150	37.1	114.7	15,700	19,600	
155	34.3	107.6	14,500	18,300	
160	31.3	99.6	13,400	17,100	
165	28.0	90.6	12,400	15,900	
170	24.3	80.0	11,400	14,800	
175	19.9	67.3	10,500	13,800	

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	181,000*	181,000*
	34	81.9	195.9	166,200	178,000*
	36	81.3	195.5	152,900	175,000*
	38	80.7	195.2	141,400	168,700
	40	80.1	194.8	131,300	156,200
	42	79.4	194.4	122,500	145,300
	44	78.8	194.0	114,600	135,800
	46	78.2	193.6	107,600	127,200
	48	77.6	193.2	101,300	119,600
	50	77.0	192.7	95,500	112,700
	55	75.4	191.4	83,400	98,200
	60	73.9	189.9	73,600	86,600
	65	72.3	188.4	65,500	77,100
	70	70.7	186.6	58,800	69,200
	75	69.1	184.7	53,000	62,500
	80	67.4	182.7	48,000	56,700
	85	65.8	180.4	43,700	51,700
	90	64.1	178.0	39,900	47,400
	95	62.4	175.4	36,600	43,500
	100	60.7	172.6	33,600	40,100
105	58.9	169.6	30,900	37,000	
110	57.1	166.4	28,500	34,300	
115	55.3	163.0	26,300	31,800	
120	53.4	159.3	24,300	29,500	
125	51.5	155.4	22,500	27,400	
130	49.5	151.2	20,800	25,500	
135	47.5	146.7	19,200	23,700	
140	45.4	141.8	17,800	22,100	
145	43.2	136.5	16,500	20,600	
150	40.9	130.9	15,200	19,200	
155	38.5	124.7	14,000	17,900	
160	36.0	118.0	13,000	16,600	
165	33.3	110.6	11,900	15,500	
170	30.4	102.3	11,000	14,400	
175	27.2	93.0	10,000	13,300	
180	23.6	82.1	9,200	12,400	
185	19.4	68.9	8,300	11,400	
200	32	82.9	206.3	171,000*	171,000*
	34	82.3	206.0	165,900	168,200*
	36	81.7	205.7	152,600	165,400*
	38	81.1	205.3	141,100	162,600*
	40	80.6	205.0	131,000	155,900
	42	80.0	204.6	122,200	145,000
	44	79.4	204.2	114,300	135,400
	46	78.8	203.8	107,200	126,900
	48	78.2	203.4	100,900	119,300
	50	77.6	203.0	95,200	112,400
	55	76.2	201.7	83,000	97,900
	60	74.7	200.4	73,200	86,200
	65	73.2	198.9	65,100	76,700
	70	71.7	197.2	58,400	68,800
	75	70.2	195.4	52,600	62,100
	80	68.6	193.5	47,700	56,300
	85	67.1	191.4	43,300	51,400
	90	65.5	189.1	39,600	47,000
	95	63.9	186.7	36,200	43,100
	100	62.3	184.1	33,200	39,700
105	60.6	181.3	30,500	36,600	
110	59.0	178.3	28,100	33,900	
115	57.3	175.1	25,900	31,400	
120	55.5	171.7	23,900	29,100	
125	53.8	168.1	22,100	27,000	
130	52.0	164.2	20,400	25,100	
135	50.1	160.1	18,800	23,300	
140	48.2	155.6	17,400	21,700	
145	46.2	150.9	16,100	20,200	
150	44.2	145.8	14,800	18,800	
155	42.1	140.4	13,700	17,500	
160	39.8	134.5	12,600	16,300	
165	37.5	128.1	11,600	15,100	
170	35.1	121.1	10,600	14,000	
175	32.4	113.4	9,700	13,000	
180	29.6	104.9	8,800	12,000	
185	26.5	95.3	8,000	11,100	
190	23.0	84.1	7,200	10,200	
195	18.9	70.6	6,500	9,400	

STERLING CRANE

LIFT CRANE BOOM CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

888 SERIES 2

BOOM NO. 22EL
179,100 LB. CRANE COUNTERWEIGHT
44,000 LB. CARBODY 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
210	34	82.7	216.1	158,700*	158,700*
	36	82.1	215.8	152,400	156,400*
	38	81.6	215.5	140,900	154,100*
	40	81.0	215.1	130,800	151,800*
	42	80.5	214.8	121,900	144,800
	44	79.9	214.4	114,000	135,200
	46	79.4	214.0	107,000	126,700
	48	78.8	213.6	100,700	119,000
	50	78.2	213.2	94,900	112,200
	55	76.8	212.0	82,800	97,600
	60	75.4	210.8	73,000	86,000
	65	74.0	209.3	64,900	76,500
	70	72.6	207.8	58,100	68,600
	75	71.1	206.1	52,300	61,800
	80	69.7	204.2	47,400	56,100
	85	68.2	202.2	43,100	51,100
	90	66.7	200.1	39,300	46,700
	95	65.2	197.8	35,900	42,900
	100	63.7	195.4	32,900	39,400
	105	62.2	192.7	30,200	36,400
110	60.6	189.9	27,800	33,600	
115	59.0	187.0	25,600	31,100	
120	57.4	183.8	23,600	28,800	
125	55.8	180.4	21,800	26,700	
130	54.1	176.8	20,100	24,800	
135	52.4	173.0	18,600	23,100	
140	50.6	168.9	17,100	21,400	
145	48.8	164.6	15,800	19,900	
150	46.9	160.0	14,600	18,500	
155	45.0	155.1	13,400	17,200	
160	43.0	149.8	12,300	16,000	
165	41.0	144.1	11,300	14,900	
170	38.8	138.0	10,300	13,800	
175	36.6	131.4	9,400	12,800	
180	34.2	124.2	8,600	11,800	
185	31.6	116.3	7,800	10,900	
190	28.9	107.5	7,000	10,000	
195	25.8	97.5	6,300	9,200	
200	22.4	86.0	5,600	8,400	
205	18.4	72.1	4,900	7,700	
220	34	83.0	226.2	147,500*	147,500*
	36	82.5	225.9	146,600*	146,600*
	38	82.0	225.6	140,500	144,500*
	40	81.4	225.3	130,500	142,400*
	42	80.9	224.9	121,600	140,200*
	44	80.4	224.6	113,700	134,900
	46	79.8	224.2	106,700	126,400
	48	79.3	223.8	100,300	118,700
	50	78.8	223.4	94,600	111,800
	55	77.5	222.3	82,400	97,300
	60	76.1	221.1	72,600	85,600
	65	74.8	219.7	64,500	76,100
	70	73.4	218.3	57,700	68,200
	75	72.0	216.6	51,900	61,500
	80	70.7	214.9	47,000	55,700
	85	69.3	213.0	42,700	50,700
	90	67.9	211.0	38,900	46,300
	95	66.4	208.8	35,500	42,500
	100	65.0	206.5	32,500	39,000
	105	63.6	204.0	29,800	36,000
110	62.1	201.4	27,400	33,200	
115	60.6	198.6	25,200	30,700	
120	59.1	195.6	23,200	28,400	

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY CRAWLERS RETRACTED POUNDS	BOOM CAPACITY CRAWLERS EXTENDED POUNDS
220	125	57.5	192.5	21,400	26,300
	130	56.0	189.1	19,700	24,400
	135	54.4	185.6	18,200	22,700
	140	52.7	181.8	16,700	21,000
	145	51.1	177.8	15,400	19,500
	150	49.4	173.5	14,200	18,100
	155	47.6	169.0	13,000	16,800
	160	45.8	164.2	11,900	15,600
	165	43.9	159.1	10,900	14,500
	170	42.0	153.6	10,000	13,400
	175	40.0	147.7	9,100	12,400
	180	37.9	141.4	8,200	11,400
	185	35.7	134.6	7,400	10,500
	190	33.4	127.1	6,600	9,700
	195	30.9	119.0	5,900	8,800
200	28.2	110.0	5,200	8,100	
205	25.2	99.7	4,600	7,300	
210	21.9	87.9		6,600	
215	17.9	73.7		5,900	
230	36	82.8	236.0	133,600*	133,600*
	38	82.3	235.7	133,300*	133,300*
	40	81.8	235.4	130,200	132,900*
	42	81.3	235.1	121,300	131,500*
	44	80.8	234.7	113,400	129,700*
	46	80.3	234.4	106,400	126,100
	48	79.8	234.0	100,000	118,500
	50	79.3	233.6	94,300	111,500
	55	78.0	232.6	82,100	97,000
	60	76.7	231.4	72,200	85,300
	65	75.4	230.1	64,100	75,800
	70	74.1	228.7	57,300	67,800
	75	72.8	227.2	51,500	61,100
	80	71.5	225.5	46,500	55,300
	85	70.2	223.7	42,200	50,300
	90	68.9	221.8	38,400	45,900
	95	67.5	219.7	35,100	42,000
	100	66.2	217.5	32,100	38,600
	105	64.8	215.2	29,400	35,500
	110	63.4	212.7	27,000	32,700
115	62.0	210.1	24,800	30,200	
120	60.6	207.3	22,700	28,000	
125	59.1	204.3	20,900	25,900	
130	57.6	201.1	19,200	24,000	
135	56.1	197.8	17,700	22,200	
140	54.6	194.3	16,200	20,600	
145	53.1	190.6	14,900	19,100	
150	51.5	186.6	13,700	17,700	
155	49.9	182.4	12,500	16,300	
160	48.2	178.0	11,400	15,100	
165	46.5	173.3	10,400	14,000	
170	44.7	168.3	9,500	12,900	
175	42.9	163.0	8,600	11,900	
180	41.0	157.3	7,700	10,900	
185	39.1	151.3	6,900	10,000	
190	37.0	144.7	6,100	9,200	
195	34.9	137.7	5,400	8,400	
200	32.6	130.1	4,700	7,600	
205	30.2	121.7	4,100	6,900	
210	27.5	112.4		6,200	
215	24.6	101.9		5,500	
220	21.4	89.8		4,800	
225	17.5	75.2		4,200	

STERLING CRANE

LIFT CRANE BOOM CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

888 SERIES 2

BOOM NO. 22EL
179,100 LB. CRANE COUNTERWEIGHT
44,000 LB. CARBODY 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
240	38	82.6	245.8	121,300*	121,300*
	40	82.2	245.5	121,000*	121,000*
	42	81.7	245.2	120,700*	120,700*
	44	81.2	244.9	113,000	120,300*
	46	80.7	244.6	106,000	120,000*
	48	80.2	244.2	99,600	118,100
	50	79.7	243.8	93,900	111,200
	55	78.5	242.8	81,700	96,600
	60	77.3	241.7	71,800	84,900
	65	76.1	240.5	63,700	75,400
	70	74.8	239.1	56,900	67,400
	75	73.6	237.6	51,100	60,700
	80	72.3	236.1	46,100	54,900
	85	71.1	234.4	41,800	49,900
	90	69.8	232.5	38,000	45,500
	95	68.5	230.6	34,600	41,600
	100	67.2	228.5	31,600	38,200
	105	65.9	226.3	28,900	35,100
	110	64.6	223.9	26,500	32,300
	115	63.3	221.4	24,300	29,800
	120	61.9	218.7	22,300	27,500
	125	60.5	215.9	20,500	25,400
130	59.2	213.0	18,800	23,500	
135	57.7	209.8	17,200	21,800	
140	56.3	206.5	15,800	20,100	
145	54.9	203.0	14,500	18,600	
150	53.4	199.3	13,200	17,200	
155	51.9	195.4	12,100	15,900	
160	50.3	191.3	11,000	14,700	
165	48.7	187.0	10,000	13,600	
170	47.1	182.4	9,000	12,500	
175	45.4	177.5	8,100	11,500	
180	43.7	172.3	7,300	10,500	
185	41.9	166.8	6,500	9,600	
190	40.1	161.0	5,700	8,800	
195	38.2	154.7	5,000	8,000	
200	36.2	148.0	4,300	7,200	
205	34.1	140.8		6,500	
210	31.9	132.9		5,800	
215	29.5	124.3		5,100	
220	26.9	114.7		4,500	
250	38	82.9	255.9	110,200*	110,200*
	40	82.5	255.6	109,900*	109,900*
	42	82.0	255.3	109,600*	109,600*
	44	81.5	255.0	109,300*	109,300*
	46	81.1	254.7	106,200	109,000*
	48	80.6	254.4	99,800	108,600*
	50	80.1	254.0	94,100	108,300*
	55	79.0	253.0	81,800	96,800
	60	77.8	252.0	72,000	85,100
	65	76.6	250.8	63,900	75,600
	70	75.4	249.5	57,100	67,600
	75	74.3	248.1	51,300	60,900
	80	73.1	246.6	46,300	55,100
	85	71.9	244.9	42,000	50,100
	90	70.6	243.2	38,200	45,700
	95	69.4	241.3	34,800	41,800
100	68.2	239.3	31,800	38,400	
105	66.9	237.2	29,100	35,300	
110	65.7	235.0	26,700	32,500	
115	64.4	232.6	24,500	30,000	
120	63.1	230.1	22,500	27,700	

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY CRAWLERS RETRACTED POUNDS	BOOM CAPACITY CRAWLERS EXTENDED POUNDS
250	125	61.8	227.4	20,700	25,600
	130	60.5	224.6	19,000	23,700
	135	59.2	221.6	17,400	22,000
	140	57.8	218.5	16,000	20,300
	145	56.5	215.2	14,700	18,800
	150	55.1	211.7	13,400	17,400
	155	53.6	208.1	12,300	16,100
	160	52.2	204.2	11,200	14,900
	165	50.7	200.2	10,200	13,700
	170	49.2	195.9	9,200	12,700
	175	47.7	191.4	8,300	11,700
	180	46.1	186.6	7,500	10,700
	185	44.5	181.6	6,700	9,800
	190	42.8	176.2	5,900	9,000
	195	41.1	170.6	5,200	8,200
	200	39.3	164.5	4,500	7,400
205	37.4	158.1		6,700	
210	35.4	151.2		6,000	
215	33.4	143.7		5,300	
220	31.2	135.7		4,700	
225	28.9	126.8		4,100	
260	40	82.8	265.7	100,500*	100,500*
	42	82.3	265.4	100,200*	100,200*
	44	81.9	265.1	99,900*	99,900*
	46	81.4	264.8	99,600*	99,600*
	48	81.0	264.5	99,300*	99,300*
	50	80.5	264.2	93,700	98,900*
	55	79.4	263.2	81,500	96,400
	60	78.3	262.2	71,600	84,700
	65	77.2	261.1	63,500	75,200
	70	76.0	259.8	56,700	67,200
	75	74.9	258.5	50,900	60,500
	80	73.7	257.0	45,900	54,700
	85	72.6	255.5	41,600	49,700
	90	71.4	253.8	37,700	45,300
	95	70.2	252.0	34,400	41,400
	100	69.1	250.1	31,400	37,900
105	67.9	248.1	28,700	34,900	
110	66.7	245.9	26,300	32,100	
115	65.5	243.7	24,100	29,600	
120	64.2	241.3	22,100	27,300	
125	63.0	238.7	20,200	25,200	
130	61.8	236.1	18,500	23,300	
135	60.5	233.2	17,000	21,500	
140	59.2	230.3	15,600	19,900	
145	57.9	227.2	14,200	18,400	
150	56.6	223.9	13,000	17,000	
155	55.3	220.4	11,800	15,700	
160	53.9	216.8	10,700	14,500	
165	52.5	213.0	9,700	13,300	
170	51.1	209.0	8,800	12,200	
175	49.7	204.8	7,900	11,200	
180	48.2	200.4	7,000	10,300	
185	46.7	195.7	6,200	9,400	
190	45.1	190.8	5,500	8,500	
195	43.5	185.6	4,800	7,700	
200	41.9	180.1	4,100	7,000	
205	40.2	174.2		6,200	
210	38.5	168.0		5,500	
215	36.6	161.4		4,900	
220	34.7	154.3		4,300	

STERLING CRANE

LIFT CRANE BOOM CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

888 SERIES 2

BOOM NO. 22EL
179,100 LB. CRANE COUNTERWEIGHT
44,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY	BOOM CAPACITY
				RETRACTED POUNDS	EXTENDED POUNDS
270	40	83.0	275.8	91,900*	91,900*
	42	82.6	275.5	91,600*	91,600*
	44	82.2	275.2	91,300*	91,300*
	46	81.7	274.9	91,000*	91,000*
	48	81.3	274.6	90,700*	90,700*
	50	80.9	274.3	90,400*	90,400*
	55	79.8	273.4	81,100	89,500*
	60	78.7	272.4	71,200	84,400
	65	77.6	271.3	63,100	74,800
	70	76.5	270.1	56,200	66,800
	75	75.5	268.8	50,400	60,100
	80	74.4	267.5	45,500	54,300
	85	73.2	266.0	41,100	49,200
	90	72.1	264.4	37,300	44,800
	95	71.0	262.6	33,900	41,000
	100	69.9	260.8	30,900	37,500
	105	68.7	258.9	28,200	34,400
	110	67.6	256.8	25,800	31,600
	115	66.4	254.7	23,600	29,100
	120	65.3	252.4	21,600	26,800
	125	64.1	249.9	19,700	24,700
130	62.9	247.4	18,000	22,800	
135	61.7	244.7	16,500	21,000	
140	60.5	241.9	15,100	19,400	
145	59.2	238.9	13,700	17,900	
150	58.0	235.8	12,500	16,500	
155	56.7	232.6	11,300	15,200	
160	55.4	229.2	10,200	14,000	
165	54.1	225.6	9,200	12,800	
170	52.8	221.8	8,300	11,700	
175	51.5	217.8	7,400	10,700	
180	50.1	213.7	6,500	9,800	
185	48.7	209.3	5,700	8,900	
190	47.2	204.7	5,000	8,000	
195	45.8	199.9	4,300	7,200	
200	44.2	194.8		6,500	
205	42.7	189.5		5,700	
210	41.1	183.8		5,000	
215	39.4	177.8		4,400	
280	42	82.9	285.6	83,000*	83,000*
	44	82.5	285.3	82,700*	82,700*
	46	82.0	285.1	82,500*	82,500*
	48	81.6	284.8	82,200*	82,200*
	50	81.2	284.4	81,900*	81,900*
	55	80.2	283.6	80,700	81,200*
	60	79.1	282.6	70,800	80,400*
	65	78.1	281.6	62,600	74,400
	70	77.0	280.4	55,800	66,400
	75	76.0	279.2	50,000	59,600
	80	74.9	277.8	45,000	53,800
	85	73.9	276.4	40,700	48,800
	90	72.8	274.9	36,900	44,400
	95	71.7	273.2	33,500	40,500
	100	70.6	271.5	30,500	37,100
	105	69.5	269.6	27,800	34,000
	110	68.4	267.6	25,300	31,200
	115	67.3	265.6	23,100	28,700
	120	66.2	263.4	21,100	26,400
	125	65.1	261.1	19,300	24,300
	130	63.9	258.6	17,600	22,400
135	62.8	256.1	16,000	20,600	
140	61.6	253.4	14,600	19,000	
145	60.5	250.6	13,300	17,400	
150	59.3	247.6	12,000	16,000	
155	58.1	244.5	10,900	14,700	
160	56.8	241.3	9,800	13,500	
165	55.6	237.9	8,800	12,400	
170	54.4	234.3	7,800	11,300	
175	53.1	230.6	6,900	10,300	
180	51.8	226.7	6,100	9,300	
185	50.5	222.6	5,300	8,400	
190	49.1	218.3	4,500	7,600	
195	47.7	213.8		6,800	
200	46.3	209.0		6,000	
205	44.9	204.0		5,300	
210	43.4	198.8		4,600	

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY	BOOM CAPACITY
				RETRACTED POUNDS	EXTENDED POUNDS
290	44	82.7	295.4	75,900*	75,900*
	46	82.3	295.2	75,600*	75,600*
	48	81.9	294.9	75,300*	75,300*
	50	81.5	294.6	75,100*	75,100*
	55	80.5	293.7	74,300*	74,300*
	60	79.5	292.8	71,100	73,100*
	65	78.5	291.8	63,000	71,000*
	70	77.5	290.7	56,200	66,800
	75	76.5	289.5	50,300	60,000
	80	75.5	288.2	45,400	54,200
	85	74.4	286.8	41,000	49,100
	90	73.4	285.3	37,200	44,700
	95	72.4	283.8	33,800	40,900
	100	71.3	282.1	30,800	37,400
	105	70.3	280.3	28,100	34,300
	110	69.2	278.4	25,700	31,500
	115	68.2	276.4	23,500	29,000
	120	67.1	274.3	21,500	26,700
	125	66.0	272.1	19,600	24,600
	130	64.9	269.8	17,900	22,700
	135	63.8	267.3	16,400	20,900
140	62.7	264.7	14,900	19,300	
145	61.6	262.0	13,600	17,800	
150	60.4	259.2	12,400	16,400	
155	59.3	256.3	11,200	15,100	
160	58.1	253.2	10,100	13,800	
165	57.0	249.9	9,100	12,700	
170	55.8	246.6	8,200	11,600	
175	54.6	243.0	7,300	10,600	
180	53.3	239.3	6,400	9,700	
185	52.1	235.5	5,600	8,800	
190	50.8	231.4	4,900	7,900	
195	49.5	227.2	4,200	7,100	
200	48.2	222.7		6,400	
205	46.8	218.1		5,600	
210	45.5	213.2		4,900	
215	44.0	208.1		4,300	