



## LIFTING CHARTS - Crawler Cranes

### KOBELCO MODEL CK2500-II - 250 TON CAPACITY

#### LUFFING JIB ATTACHED TO BOOM AT 23 DEGREE OFFSET ANGLE

15 Counterweights + 2 Low Weights

70' Boom												
Load Radius (ft.)	Boom Angle (deg)	Jib Length (ft)										
		70	80	90	100	110	120	130	140	150	160	170
20.5	80.6	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000
22	79.2	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000
24	77.5	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000
26	75.9	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000
28	74.1	200,000	200,000	200,000	200,000	200,000	200,000	200,000	196,200	194,200	188,500	183,200
30	72.4	200,000	200,000	200,000	197,500	194,200	190,700	186,300	181,000	179,200	173,500	168,600
32	70.6	196,000	191,800	188,000	183,600	180,500	177,000	172,800	167,500	165,800	160,500	155,600
34	68.8	183,200	179,000	175,500	171,300	168,200	164,900	160,700	155,600	153,900	148,800	144,200
36	67.0	168,900	164,900	161,600	157,400	154,300	151,000	147,000	142,200	140,400	135,600	130,900
38	65.2	154,100	150,100	146,800	142,600	140,000	136,700	132,700	128,100	126,300	121,400	117,000
40	63.3	141,100	137,300	134,000	130,000	127,400	124,100	120,300	115,700	113,900	109,300	104,900
42	61.4	129,600	126,100	122,800	118,800	116,200	113,100	109,300	104,900	103,100	98,500	94,300
44	59.4	119,900	116,200	113,100	109,300	106,700	103,600	100,100	95,600	93,900	89,300	85,300
46	57.4	111,100	107,600	104,500	100,700	98,300	95,200	91,700	87,300	85,700	81,100	77,100
48	55.4	103,400	99,800	97,000	93,200	90,800	87,700	84,200	80,000	78,400	74,000	70,100
50	53.3	96,300	92,800	89,900	86,400	84,000	81,100	77,600	73,600	71,800	67,600	63,700
55	47.7	81,300	78,200	75,400	72,100	69,800	66,800	63,700	59,700	57,900	54,000	50,200
60	41.4	69,600	66,500	63,900	60,600	58,600	55,700	52,600	48,900	47,100	43,200	39,900

80' Boom												
Load Radius (ft.)	Boom Angle (deg)	Jib Length (ft)										
		70	80	90	100	110	120	130	140	150	160	170
22	80.6	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000
24	79.1	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000
26	77.7	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000
28	76.2	200,000	200,000	200,000	200,000	200,000	200,000	200,000	197,300	195,500	190,000	184,900
30	74.7	200,000	200,000	200,000	197,700	194,700	191,300	186,900	181,900	180,300	175,000	170,200
32	73.2	195,800	191,800	188,300	183,800	180,800	177,700	173,500	168,600	166,900	161,800	157,200
34	71.6	183,000	179,000	175,700	171,500	168,400	165,300	161,400	156,500	155,000	150,100	145,500
36	70.1	169,300	165,300	162,000	158,000	155,200	152,100	148,100	143,500	142,000	137,300	132,900
38	68.5	154,300	150,600	147,500	143,300	140,600	137,500	133,800	129,400	127,800	123,200	119,000
40	66.9	141,300	137,800	134,700	130,700	128,100	125,200	121,400	117,000	115,500	111,100	106,900
42	65.3	130,000	126,300	123,400	119,500	117,000	114,200	110,400	106,200	104,700	100,300	96,300
44	63.7	120,100	116,600	113,500	109,800	107,300	104,500	100,900	96,700	95,400	91,000	87,000
46	62.1	111,300	107,800	104,900	101,200	99,000	96,100	92,600	88,600	87,000	82,900	78,900
48	60.4	103,400	99,800	97,200	93,400	91,200	88,400	85,100	81,100	79,600	75,400	71,600
50	58.6	96,300	93,000	90,100	86,600	84,400	81,500	78,200	74,300	72,900	68,700	65,200
55	54.2	81,500	78,400	75,800	72,300	70,300	67,400	64,300	60,600	59,300	55,300	51,800
60	49.4	69,600	66,500	64,100	60,800	58,800	56,200	53,300	49,600	48,200	44,500	41,200
65	44.2	59,900	57,100	54,600	51,500	49,600	46,900	44,300	40,700	39,200	35,700	32,400

90' Boom												
Load Radius (ft.)	Boom Angle (deg)	Jib Length (ft)										
		70	80	90	100	110	120	130	140	150	160	170
24	80.4	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000
26	79.1	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000
28	77.8	200,000	200,000	200,000	200,000	200,000	200,000	200,000	197,700	196,200	190,900	186,100
30	76.4	200,000	200,000	200,000	198,000	195,100	191,800	187,600	182,700	181,200	176,100	171,500
32	75.1	195,800	191,800	188,500	184,100	181,200	178,100	174,100	169,300	168,000	162,900	158,500
34	73.8	183,000	179,000	175,700	171,700	168,900	166,000	162,000	157,400	156,100	151,200	146,800
36	72.4	169,300	165,500	162,500	158,500	155,800	152,800	149,000	144,600	143,300	138,600	134,500
38	71.1	154,500	150,800	147,700	143,900	141,300	138,400	134,700	130,500	129,200	124,500	120,600
40	69.7	141,500	138,000	134,900	131,100	128,700	125,900	122,300	118,100	116,800	112,400	108,400
42	68.3	130,000	126,500	123,700	119,900	117,500	114,800	111,300	107,100	106,000	101,600	97,900
44	66.9	120,100	116,800	113,900	110,200	108,000	105,100	101,800	97,900	96,500	92,300	88,600
46	65.5	111,300	108,000	105,100	101,600	99,400	96,700	93,400	89,500	88,200	84,200	80,400
48	64.0	103,400	100,100	97,400	93,900	91,700	89,000	85,900	82,000	80,700	76,700	73,200
50	62.6	96,300	93,200	90,400	87,000	84,800	82,200	79,100	75,400	74,000	70,100	66,500
55	58.8	81,500	78,400	76,000	72,700	70,500	68,100	65,000	61,500	60,100	56,400	53,100
60	54.9	69,600	66,800	64,300	61,000	59,000	56,600	53,800	50,200	49,100	45,400	42,300
65	50.7	59,900	57,100	54,600	51,800	49,800	47,400	44,700	41,200	40,100	36,600	33,500
70	46.3	52,000	49,100	46,900	44,100	42,300	39,900	37,200	33,900	32,800	29,300	26,400
75	41.4	45,400	42,700	40,500	37,700	35,900	33,700	31,000	28,000	26,600	23,300	20,500

# STERLING CRANE

## Rated Loads in Pounds for CK2500-II Crane Boom with Luffing Jib Attached but not Used

LUFFING JIB ATTACHED TO BOOM AT 23 DEGREE OFFSET ANGLE

15 Counterweights + 2 Low Weights

100' Boom												
Load Radius (ft.)	Boom Angle (deg)	Jib Length (ft)										
		70	80	90	100	110	120	130	140	150	160	170
26	80.2	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000
28	79.0	200,000	200,000	200,000	200,000	200,000	200,000	200,000	198,400	197,100	191,800	187,200
30	77.8	200,000	200,000	200,000	198,200	195,100	192,200	188,000	183,200	181,900	176,800	172,400
32	76.7	195,500	191,800	188,300	184,300	181,400	178,300	174,600	169,700	168,600	163,800	159,400
34	75.5	182,700	179,000	175,700	171,700	169,100	166,200	162,500	157,800	156,700	151,900	147,700
36	74.3	169,300	165,800	162,700	158,700	154,100	153,400	149,700	145,300	144,200	139,500	135,600
38	73.0	154,300	150,800	147,700	143,900	141,300	138,600	135,100	130,900	129,800	125,400	121,400
40	71.8	141,300	137,800	134,900	131,100	128,700	126,100	122,800	118,600	117,500	113,100	109,300
42	70.6	130,000	126,700	123,900	120,300	117,900	115,300	112,000	107,800	106,700	102,500	99,000
44	69.4	119,900	116,600	113,900	110,400	108,000	105,600	102,300	98,300	97,200	93,000	89,500
46	68.1	111,100	108,000	105,100	101,800	99,400	97,000	93,900	89,900	88,800	84,800	81,300
48	66.8	103,100	100,100	97,400	93,900	91,700	89,300	86,200	82,400	81,300	77,300	73,800
50	65.6	96,100	93,000	90,400	87,000	84,800	82,400	79,300	75,600	74,700	70,700	67,400
55	62.3	81,100	78,200	75,600	72,500	70,300	68,100	65,200	61,500	60,600	56,800	53,500
60	58.9	69,400	66,500	64,100	61,000	59,000	56,800	54,000	50,700	49,600	46,000	42,900
65	55.4	59,700	56,800	54,400	51,500	49,800	47,400	44,700	41,400	40,500	37,000	34,100
70	51.7	51,800	48,900	46,700	43,800	42,100	39,900	37,200	34,100	33,000	29,700	26,900
75	47.8	44,900	42,300	40,100	37,400	35,700	33,500	31,000	28,000	26,900	23,500	20,900
80	43.7	39,200	36,600	34,600	31,700	30,200	28,000	25,500	22,700	21,600	18,500	15,600
110' Boom												
Load Radius (ft.)	Boom Angle (deg)	Jib Length (ft)										
		70	80	90	100	110	120	130	140	150	160	170
28	80.0	200,000	200,000	200,000	200,000	200,000	200,000	200,000	198,800	197,500	192,400	187,800
30	79.0	200,000	200,000	200,000	198,400	195,300	192,400	188,500	183,600	182,500	177,700	173,300
32	77.9	195,300	191,600	188,300	184,300	181,400	178,600	174,800	170,200	169,100	164,200	160,000
34	76.8	182,700	179,000	175,900	171,900	169,300	166,600	162,900	158,500	157,400	152,800	148,800
36	75.7	169,100	165,300	162,200	158,500	155,800	153,400	149,700	145,500	144,400	140,000	136,000
38	74.6	154,100	150,600	147,700	143,900	141,300	138,900	135,300	131,100	130,300	125,900	122,100
40	73.5	141,100	137,800	134,900	131,100	128,700	126,300	123,000	118,800	117,900	113,700	110,000
42	72.4	129,600	126,300	123,700	120,100	117,700	115,300	112,000	108,000	107,100	102,900	99,400
44	71.3	119,900	116,600	113,700	110,400	108,000	105,800	102,500	98,500	97,600	93,700	90,100
46	70.2	111,100	107,800	105,100	101,800	99,400	97,200	94,100	90,400	89,300	85,500	82,000
48	69.1	103,100	99,800	97,200	93,900	91,700	89,500	86,400	82,600	81,800	78,000	74,700
50	67.9	95,900	92,800	90,400	87,000	84,800	82,600	79,800	76,000	75,100	71,400	68,100
55	65.1	80,900	78,000	75,600	72,500	70,300	68,300	65,400	61,900	61,000	57,500	54,200
60	62.1	69,000	66,100	63,700	60,800	58,800	56,600	54,000	50,700	49,800	46,300	43,400
65	59.0	59,300	56,400	54,200	51,300	49,300	47,400	44,700	41,400	40,500	37,200	34,300
70	55.8	51,100	48,500	46,300	43,400	41,600	39,600	37,200	33,900	33,000	29,900	27,100
75	52.5	44,500	41,800	39,600	37,000	35,200	33,200	30,800	27,700	26,900	23,800	21,100
80	49.1	38,800	36,100	34,100	31,500	29,900	28,000	25,500	22,700	21,800	18,700	16,000
85	45.4	33,700	31,300	29,300	26,900	25,300	23,100	20,900	18,000	17,100	14,100	
90	41.4	29,500	27,100	25,100	22,700	21,100	18,100	16,900	14,300	13,200		
120' Boom												
Load Radius (ft.)	Boom Angle (deg)	Jib Length (ft)										
		70	80	90	100	110	120	130	140	150	160	170
30	79.9	200,000	200,000	200,000	198,200	195,100	192,400	188,500	183,800	182,700	177,900	173,700
32	78.9	195,100	191,600	188,300	184,300	181,400	178,800	175,000	170,600	169,500	164,900	160,700
34	77.9	182,300	178,800	175,700	171,700	169,100	166,600	162,900	158,500	157,600	153,200	149,200
36	77.0	169,100	165,500	162,500	158,700	156,300	153,900	150,300	146,100	145,000	140,800	136,900
38	76.0	153,900	150,600	147,700	143,900	141,500	139,100	135,800	131,600	130,700	126,500	122,800
40	75.0	141,100	137,800	134,900	131,400	128,900	126,500	123,200	119,200	118,400	114,400	110,600
42	74.0	129,600	126,300	123,400	120,100	117,700	115,500	112,200	108,400	107,600	103,600	100,100
44	73.0	119,700	116,400	113,700	110,400	108,200	105,800	102,700	99,000	98,100	94,300	90,800
46	71.9	110,900	107,800	105,100	101,800	99,600	97,400	94,300	90,600	89,900	85,900	82,600
48	70.9	102,900	99,800	97,200	93,900	91,900	89,700	86,600	83,100	82,200	78,400	75,400
50	69.9	95,900	92,800	90,400	87,000	85,100	82,900	80,000	76,500	75,600	71,800	68,700
55	67.3	80,900	77,800	75,600	72,500	70,500	68,300	65,700	62,100	61,500	57,900	54,900
60	64.6	68,700	66,100	63,700	60,800	58,800	56,800	54,200	50,900	50,200	46,900	43,800
65	61.9	59,000	56,400	54,000	51,300	49,300	47,400	44,900	41,600	41,000	37,700	35,000
70	59.1	50,900	48,200	46,300	43,400	41,600	39,600	37,200	34,100	33,500	30,400	27,500
75	56.2	44,300	41,600	39,600	36,800	35,200	33,200	30,800	28,000	27,300	24,200	21,600
80	53.2	38,300	35,900	33,700	31,300	29,500	27,700	25,300	22,400	21,800	18,700	16,300
85	50.1	33,500	31,000	29,100	26,600	25,100	23,100	20,900	18,000	17,400	14,500	11,900
90	46.8	29,300	26,900	24,900	22,400	20,900	19,100	16,900	14,100	13,400		
95	43.3	25,300	22,900	21,100	18,700	17,400	15,400	13,200	10,500			

# STERLING CRANE

## Rated Loads in Pounds for CK2500-II Crane Boom with Luffing Jib Attached but not Used

LUFFING JIB ATTACHED TO BOOM AT 23 DEGREE OFFSET ANGLE

15 Counterweights + 2 Low Weights

130' Boom												
Load Radius (ft.)	Boom Angle (deg)	Jib Length (ft)										
		70	80	90	100	110	120	130	140	150	160	170
32	79.8	194,900	191,100	188,000	184,100	181,200	178,800	175,000	170,600	169,700	165,100	160,900
34	78.9	182,100	178,300	175,200	171,500	168,900	166,400	162,900	158,700	157,800	153,400	149,400
36	78.0	168,600	165,300	162,200	158,500	156,100	153,600	150,300	146,100	145,300	141,100	137,300
38	77.1	153,900	150,300	147,500	143,900	141,500	139,300	136,000	131,800	131,100	127,000	123,200
40	76.2	140,600	137,300	134,500	131,100	128,700	126,500	123,200	119,200	118,600	114,600	111,100
42	75.2	129,400	126,300	123,400	120,100	117,700	115,700	112,400	108,700	108,000	104,000	100,500
44	74.3	119,200	116,200	113,500	110,200	108,000	105,800	102,700	99,000	98,300	94,500	91,200
46	73.4	110,400	107,300	104,900	101,600	99,400	97,400	94,300	90,600	89,900	86,200	82,900
48	72.5	102,500	99,600	97,000	93,900	91,700	89,700	86,600	83,100	82,400	78,900	75,600
50	71.5	95,400	92,600	89,900	86,800	84,800	82,900	80,000	76,500	75,800	72,300	69,000
55	69.2	80,400	77,600	75,100	72,300	70,300	68,300	65,700	62,100	61,700	58,200	55,100
60	66.7	68,500	65,700	63,500	60,600	58,600	56,800	54,200	50,900	50,400	47,100	44,100
65	64.3	58,600	56,000	53,800	50,900	49,100	47,400	44,900	41,800	41,200	37,900	35,200
70	61.8	50,700	48,000	45,800	43,200	41,400	39,600	37,200	34,100	33,500	30,400	27,700
75	59.2	43,800	41,200	39,200	36,600	35,000	33,200	30,800	28,000	27,300	24,200	21,600
80	56.5	37,900	35,500	33,500	30,800	29,300	27,500	25,300	22,400	21,800	18,900	16,300
85	53.8	33,000	30,600	28,600	26,200	24,600	22,900	20,700	18,000	17,400	14,500	12,100
90	50.9	28,600	26,400	24,400	22,000	20,700	18,700	16,700	13,800	13,200		
95	47.9	24,900	22,400	20,700	18,300	13,900	15,200	13,000				
100	44.8	21,600	19,100	17,400	15,200	13,800	12,100					
105	41.4	18,500	16,300	14,500	12,300	11,000						

140' Boom												
Load Radius (ft.)	Boom Angle (deg)	Jib Length (ft)										
		70	80	90	100	110	120	130	140	150	160	170
32	80.5	194,400	190,700	187,600	183,600	182,500	178,600	174,800	170,400	169,700	165,100	161,100
34	79.7	181,600	178,100	175,000	171,300	170,200	166,200	162,700	158,500	157,800	153,400	149,700
36	78.9	168,600	165,300	162,200	158,700	157,600	153,900	150,600	146,400	145,700	141,500	137,800
38	78.0	153,900	150,600	147,700	144,200	143,100	139,500	136,200	132,300	131,600	127,400	123,900
40	77.2	140,600	137,300	134,700	131,100	130,300	126,700	123,700	119,700	119,000	115,100	111,500
42	76.3	129,400	126,300	123,700	120,100	119,500	115,900	112,800	109,100	108,400	104,500	101,200
44	75.5	119,500	116,200	113,500	110,200	109,500	106,000	103,100	99,400	98,700	95,000	91,700
46	74.6	110,600	107,600	104,900	101,600	100,900	97,600	94,500	91,000	90,400	86,800	83,500
48	73.8	102,500	99,600	97,000	93,900	93,200	89,900	87,000	83,500	82,900	79,300	76,200
50	72.9	95,400	92,600	90,100	87,000	86,200	83,100	80,200	76,700	76,200	72,700	69,600
55	70.7	80,200	77,300	75,100	72,100	71,400	68,300	65,700	62,400	61,900	58,400	55,500
60	68.5	68,300	65,400	63,200	60,400	59,700	56,800	54,200	51,100	50,700	47,400	44,500
65	66.3	59,600	56,000	53,800	51,100	50,400	47,600	45,200	42,100	41,600	38,300	35,700
70	64.0	50,400	47,800	45,600	42,900	42,300	39,600	37,200	34,300	33,700	30,800	28,200
75	61.6	43,600	41,000	39,000	36,300	35,900	33,000	30,800	28,000	27,500	24,400	22,000
80	59.2	37,700	35,200	33,200	30,600	30,200	27,500	25,300	22,400	22,000	19,100	16,500
85	56.8	32,800	30,400	28,400	26,000	25,300	22,900	20,700	18,000	17,400	14,700	12,300
90	54.2	28,400	26,000	24,200	21,800	21,100	18,700	16,500	13,800	13,400		
95	51.6	24,400	22,200	20,200	18,000	17,400	14,900	13,000				
100	48.9	21,100	18,900	17,100	14,700	14,300	11,900					
105	46.0	18,000	15,800	14,100	11,900	11,200						
110	43.0	15,400	13,200	11,600								

150' Boom												
Load Radius (ft.)	Boom Angle (deg)	Jib Length (ft)										
		70	80	90	100	110	120	130	140	150	160	170
34	80.4	181,200	177,700	175,900	172,400	170,000	166,200	162,700	158,500	157,800	153,400	149,700
36	79.6	168,600	165,100	163,600	160,000	157,800	154,100	150,600	146,600	145,900	141,700	138,200
38	78.8	153,400	150,100	148,600	145,300	143,100	139,300	136,000	132,300	131,600	127,600	124,100
40	78.0	140,400	137,300	135,800	132,500	130,300	126,700	123,700	119,900	119,200	115,500	112,000
42	77.3	129,200	125,900	124,500	121,200	119,200	115,700	112,600	108,900	108,400	104,700	101,400
44	76.5	119,000	115,900	114,400	111,300	109,300	106,000	102,900	99,400	98,700	95,200	91,900
46	75.7	110,200	107,100	105,800	102,700	100,700	97,400	94,500	91,000	90,600	86,800	83,700
48	74.9	102,300	99,200	97,900	94,800	93,000	89,700	86,800	83,500	82,900	79,300	76,200
50	74.1	95,200	92,100	90,800	87,900	85,900	82,900	80,200	76,700	76,200	72,700	69,800
55	72.1	80,200	77,300	76,000	73,200	71,400	68,300	65,900	62,600	62,100	58,800	56,000
60	70.0	68,100	65,400	64,100	61,500	59,700	56,800	54,400	51,300	50,900	47,600	44,900
65	68.0	58,400	55,700	54,400	51,800	50,200	47,400	44,900	42,100	41,600	38,500	35,900
70	65.8	50,200	47,600	46,500	43,800	42,300	39,600	37,200	34,300	33,900	31,000	28,400
75	63.7	43,200	40,700	39,600	37,000	35,700	33,000	30,600	27,700	27,500	24,400	22,000
80	61.5	37,400	35,000	33,900	31,500	30,200	27,500	25,300	22,400	22,000	19,400	16,900
85	59.3	32,400	29,900	28,800	26,600	25,100	22,700	20,500	17,800	17,400	14,700	12,300
90	57.0	28,000	25,700	24,600	22,200	20,900	18,500	16,300	13,800	13,200		
95	54.6	24,000	21,800	20,700	18,500	17,100	14,700	12,700				
100	52.2	20,700	18,500	17,400	15,200	13,800	11,400					
105	49.7	17,600	15,400	14,300	12,100	11,000						
110	47.1	14,900	12,700	11,600								
115	44.3	12,500										

# STERLING CRANE

## Rated Loads in Pounds for CK2500-II Crane Boom with Luffing Jib Attached but not Used

LUFFING JIB ATTACHED TO BOOM AT 23 DEGREE OFFSET ANGLE

15 Counterweights + 2 Low Weights

160' Boom												
Load Radius (ft.)	Boom Angle (deg)	Jib Length (ft)										
		70	80	90	100	110	120	130	140	150	160	170
36	80.3	168,000	166,000	163,100	159,600	157,400	153,600	150,300	146,400	145,900	141,700	138,200
38	79.5	153,200	151,000	148,300	145,000	142,800	139,300	136,000	132,300	131,600	127,600	124,100
40	78.8	140,000	138,000	135,300	132,000	130,000	126,500	123,400	119,700	119,200	115,300	112,000
42	78.1	128,700	126,500	124,100	121,000	118,800	115,500	112,400	108,700	108,200	104,500	101,200
44	77.3	118,800	116,800	114,400	111,300	109,100	105,800	102,900	99,400	99,000	95,200	92,100
46	76.6	109,800	107,800	105,300	102,300	100,300	97,200	94,300	90,800	90,400	86,800	83,700
48	75.9	101,800	99,800	97,400	94,500	92,600	89,500	86,600	83,300	82,900	79,300	76,200
50	75.1	94,500	92,800	90,600	87,500	85,700	82,600	79,800	76,500	76,200	72,700	69,600
55	73.2	79,600	77,800	75,600	72,900	71,200	68,100	65,400	62,400	61,900	58,600	56,000
60	71.3	67,600	65,900	63,900	61,000	59,500	56,600	54,200	51,100	50,700	47,600	44,900
65	69.4	57,700	56,200	54,000	51,500	49,800	47,100	44,700	41,800	41,400	38,300	35,900
70	67.5	49,600	47,800	45,800	43,400	41,800	39,200	36,800	33,900	33,700	30,600	28,200
75	65.5	42,700	41,000	39,200	36,800	35,200	32,600	30,400	27,500	27,300	24,400	22,000
80	63.5	36,800	35,200	33,200	30,800	29,500	26,900	24,900	22,000	21,800	18,900	16,500
85	61.4	31,900	30,400	28,400	26,200	24,900	22,200	20,200	17,600	17,100	14,500	12,300
90	59.3	27,500	26,000	24,200	21,800	20,500	18,000	16,000	13,400	13,200		
95	57.2	23,500	22,000	20,200	18,000	16,700	14,300	12,300				
100	55.0	20,200	18,700	16,900	14,700	13,400						
105	52.7	17,100	15,400	13,800	11,600							
110	50.4	14,300	12,700	11,200								
115	48.0	11,900										

170' Boom												
Load Radius (ft.)	Boom Angle (deg)	Jib Length (ft)										
		70	80	90	100	110	120	130	140	150	160	170
38	80.2	153,900	150,800	148,100	144,600	142,400	138,900	135,800	134,000	131,600	127,600	124,100
40	79.5	140,800	137,800	135,100	132,000	129,800	126,500	123,400	121,700	119,200	115,500	112,000
42	78.8	129,400	126,500	123,900	120,800	118,800	115,300	112,400	110,600	108,400	104,700	101,400
44	78.1	119,200	116,400	113,900	110,900	108,900	105,600	102,700	101,200	98,700	95,200	92,100
46	77.4	110,400	107,600	105,100	102,300	100,300	97,000	94,300	92,600	90,400	86,800	83,700
48	76.7	102,500	99,600	97,400	94,300	92,600	89,500	86,600	85,100	82,900	79,600	76,500
50	76.0	95,400	92,600	90,400	87,500	85,500	82,600	79,800	78,200	76,200	72,900	69,800
55	74.3	80,000	77,300	75,400	72,500	70,700	67,900	65,200	63,900	61,900	58,600	55,700
60	72.5	68,100	65,400	63,500	60,800	59,000	56,400	53,800	52,400	50,400	47,400	44,700
65	70.7	58,200	55,700	53,800	51,100	49,600	46,900	44,500	43,200	41,400	38,300	35,700
70	68.9	50,000	47,600	45,800	43,200	41,600	39,000	36,800	35,500	33,700	30,800	28,400
75	67.0	43,200	41,000	39,000	36,600	35,000	32,600	30,400	29,100	27,300	24,400	22,200
80	65.2	37,200	35,000	33,000	30,800	29,300	26,900	24,600	23,300	21,800	18,900	16,700
85	63.3	32,100	29,900	28,200	25,700	24,400	22,000	19,800	18,500	16,900	14,300	12,100
90	61.3	27,700	25,500	23,800	21,600	20,200	17,800	15,800	14,300	13,000		
95	59.4	23,800	21,600	19,800	17,600	16,300	13,800	11,900	10,500			
100	57.4	20,200	18,300	16,500	14,300	13,200	10,800					
105	55.3	17,100	14,900	13,400	11,200							
110	53.2	14,500	12,300	10,800								
115	51.0	11,900										

180' Boom												
Load Radius (ft.)	Boom Angle (deg)	Jib Length (ft)										
		70	80	90	100	110	120	130	140	150	160	170
40	80.1	141,100	138,000	135,300	132,300	130,000	126,700	125,600	122,100	119,700	115,900	112,600
42	79.4	129,600	126,500	124,100	121,000	119,000	115,700	114,600	111,100	108,900	105,100	102,000
44	78.8	119,500	116,600	114,200	111,100	109,100	105,800	104,900	101,400	99,200	95,600	92,600
46	78.1	110,600	107,800	105,300	102,500	100,500	97,400	96,300	93,000	90,800	87,500	84,400
48	77.5	102,500	99,600	97,400	94,300	92,600	89,500	88,400	85,300	83,100	79,800	76,700
50	76.8	95,400	92,600	90,400	87,500	85,700	82,600	81,800	78,400	76,500	73,200	70,300
55	75.2	80,200	77,600	75,600	72,700	71,000	68,100	67,200	64,100	62,400	59,000	56,400
60	73.5	68,100	65,400	63,500	60,800	59,300	56,400	55,500	52,600	50,700	47,800	45,200
65	71.8	58,200	55,700	53,800	51,100	49,600	46,900	46,000	43,200	41,400	38,500	36,100
70	70.1	50,000	47,600	45,800	43,200	41,800	39,200	38,300	35,700	33,900	31,000	28,600
75	68.4	42,900	40,500	38,800	36,300	35,000	32,400	31,500	28,800	27,300	24,400	22,200
80	66.7	37,200	35,000	33,000	30,800	29,300	26,900	26,200	23,500	22,000	19,400	16,900
85	64.9	32,100	29,900	28,200	25,700	24,400	22,000	21,100	18,700	17,100	14,500	12,300
90	63.1	27,700	25,500	23,800	21,600	20,200	17,800	16,900	14,500	13,200		
95	61.3	23,500	21,300	19,800	17,600	16,300	14,100	13,200	10,800			
100	59.4	20,200	18,000	16,500	14,300	13,200	10,800					
105	57.5	17,100	14,900	13,400	11,200							
110	55.6	14,300	12,300	10,800								
115	53.6	11,900										

# STERLING CRANE

## Rated Loads in Pounds for CK2500-II Crane Boom with Luffing Jib Attached but not Used

LUFFING JIB ATTACHED TO BOOM AT 23 DEGREE OFFSET ANGLE

15 Counterweights + 2 Low Weights

190' Boom												
Load Radius (ft.)	Boom Angle (deg)	Jib Length (ft)										
		70	80	90	100	110	120	130	140	150	160	170
40	80.6	141,100	138,000	135,600	132,300	130,300	128,700	125,900	122,300	119,900	116,200	112,800
42	80.0	129,600	126,700	124,300	121,200	119,000	117,500	114,800	111,300	109,100	105,300	102,300
44	79.4	119,500	116,600	114,200	111,100	109,300	107,800	105,100	101,800	99,400	95,900	92,800
46	78.8	110,600	107,800	105,600	102,500	100,700	99,200	96,500	93,200	91,200	87,700	84,600
48	78.1	102,500	99,600	97,400	94,500	92,600	91,200	88,600	85,500	83,300	80,000	77,100
50	77.5	95,400	92,600	90,400	87,500	85,700	84,400	81,800	78,700	76,700	73,400	70,500
55	76.0	80,200	77,800	75,600	72,900	71,200	69,800	67,400	64,600	62,600	59,500	56,600
60	74.4	68,100	65,400	63,500	60,800	59,300	57,900	55,700	52,900	51,100	48,000	45,400
65	72.8	58,200	55,700	53,800	51,300	49,800	48,500	46,300	43,600	41,800	38,800	36,300
70	71.2	50,000	47,600	45,800	43,400	41,800	40,500	38,500	35,900	34,100	31,300	28,800
75	69.6	42,900	40,700	38,800	36,600	35,000	33,900	31,700	29,100	27,500	24,900	22,400
80	68.0	37,200	35,000	33,200	30,800	29,500	28,200	26,200	23,800	22,200	19,600	17,400
85	66.3	31,900	29,700	28,000	25,700	24,400	23,100	21,100	18,700	17,100	14,700	12,500
90	64.6	27,500	25,300	23,500	21,300	20,000	18,900	16,900	14,500	13,200	10,500	
95	62.9	23,500	21,600	19,800	17,600	16,500	15,200	13,400	11,000			
100	61.2	20,000	17,800	16,300	14,100	13,000	11,900					
105	59.4	17,100	14,900	13,400	11,200							
110	57.6	14,100	12,100									
115	55.8	11,600										
200' Boom												
Load Radius (ft.)	Boom Angle (deg)	Jib Length (ft)										
		70	80	90	100	110	120	130	140	150	160	170
42	80.5				120,600	120,300	117,300	114,400	111,100	108,900	105,100	102,000
44	79.9				110,600	110,400	107,300	104,700	101,400	99,200	95,600	92,600
46	79.3				101,800	101,600	98,500	96,100	92,800	90,600	87,300	84,200
48	78.7				94,100	93,900	90,800	88,400	85,300	83,100	79,800	76,900
50	78.1				87,000	86,800	84,000	81,500	78,400	76,500	73,200	70,300
55	76.7				72,300	72,100	69,200	66,800	63,900	61,900	58,800	56,200
60	75.2				60,400	60,100	57,700	55,300	52,400	50,700	47,800	45,200
65	73.7				50,900	50,700	48,000	45,800	43,200	41,400	38,500	36,100
70	72.2				42,700	42,500	40,100	37,900	35,200	33,700	30,800	28,400
75	70.7				35,900	35,900	33,500	31,500	28,800	27,300	24,600	22,200
80	69.1				30,200	29,900	27,700	25,700	23,100	21,800	19,100	16,700
85	67.6				25,300	25,100	22,700	20,900	18,500	16,900	14,300	12,100
90	66.0				20,900	20,700	18,500	16,500	14,300	12,700		
95	64.4				16,900	16,700	14,500	12,700				
100	62.8				13,600	13,600	11,400					
105	61.1				10,500							