



LIFTING CHARTS - Crawler Cranes

KOBELCO MODEL CK2500-II - 250 TON CAPACITY

Main Boom Rated Loads in Pounds

15 Counterweights + 2 Low Weights

50' Boom			60' Boom			70' Boom			80' Boom		
Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs)
15	79.6	500,000 *	17	79.4	485,700 *	19	79.3	434,100 *	20	79.9	403,400 *
16	78.4	500,000 *	18	78.4	462,000 *	20	78.4	415,800 *	22	78.4	376,700 *
17	77.3	492,800 *	19	77.5	438,300 *	22	76.8	381,000 *	24	77.0	350,000 *
18	76.1	466,500 *	20	76.5	416,600 *	24	75.1	350,500 *	26	75.5	323,400 *
19	74.9	440,100 *	22	74.5	381,800 *	26	73.4	323,800 *	28	74.0	301,700 *
20	73.7	416,700 *	24	72.5	351,200 *	28	71.6	302,100 *	30	72.5	281,600 *
22	71.3	382,400 *	26	70.5	324,600 *	30	69.9	282,000 *	32	71.0	264,500 *
24	68.8	352,000 *	28	68.4	302,900 *	32	68.1	264,900 *	34	69.4	247,000 *
26	66.3	325,300 *	30	66.3	282,700 *	34	66.3	247,300 *	36	67.9	229,000 *
28	63.7	303,600 *	32	64.2	265,700 *	36	64.5	229,200 *	38	66.3	211,100 *
30	61.1	283,500 *	34	62.0	247,900 *	38	62.7	211,200 *	40	64.7	195,000
32	58.4	266,400 *	36	59.8	229,600 *	40	60.8	195,000	45	60.7	165,100
34	55.6	248,400 *	38	57.5	211,300 *	45	55.9	165,100	50	56.4	142,900
36	52.7	229,800 *	40	55.2	195,000	50	50.7	142,900	55	52.0	125,200
38	49.7	211,100 *	45	49.0	165,100	55	45.1	125,200	60	47.2	110,900
40	46.6	194,600	50	42.2	142,900	60	38.9	110,900	65	42.0	99,700
45	37.7	164,700	55	34.2	125,100	65	31.5	99,700	70	36.2	90,500
90' Boom			100' Boom			110' Boom			120' Boom		
Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs)
22	79.7	378,900 *	24	79.6	334,800 *	26	79.5	313,000 *	28	79.4	277,300 *
24	78.4	349,200 *	26	78.4	320,600 *	28	78.5	295,000 *	30	78.5	268,700 *
26	77.1	322,600 *	28	77.3	298,000 *	30	77.4	276,100 *	32	77.5	250,800 *
28	75.8	300,900 *	30	76.1	276,100 *	32	76.3	257,300 *	34	76.5	235,300 *
30	74.5	280,200 *	32	74.9	260,000 *	34	75.2	240,400 *	36	75.5	221,500 *
32	73.2	260,700 *	34	73.7	243,500 *	36	74.1	224,700 *	38	74.5	207,600 *
34	71.8	243,000 *	36	72.5	226,800 *	38	73.1	209,100 *	40	73.5	194,400
36	70.5	226,500 *	38	71.3	210,000 *	40	72.0	194,600	45	71.0	164,300
38	69.1	210,100 *	40	70.1	194,800	45	69.2	164,500	50	68.4	142,000
40	67.7	195,000	45	67.0	164,700	50	66.4	142,100	55	65.8	124,200
45	64.2	164,900	50	63.8	142,300	55	63.5	124,300	60	63.2	109,800
50	60.6	142,500	55	60.5	124,600	60	60.5	110,000	65	60.5	98,400
55	56.8	124,700	60	57.2	110,400	65	57.4	98,600	70	57.7	89,100
60	52.9	110,500	65	53.7	99,000	70	54.3	89,200	75	54.8	81,200
65	48.7	99,200	70	50.0	89,800	75	50.9	81,300	80	51.8	74,300
70	44.3	90,000	75	46.1	81,900	80	47.5	74,500	85	48.6	68,200
75	39.4	82,100	80	41.9	75,000	85	43.8	68,400	90	45.3	63,300
80	34.0	75,200	85	37.3	69,300	90	39.8	63,500	95	41.8	58,800
			90	32.2	64,200	95	35.5	59,000	100	38.0	54,900
						100	30.6	55,100	105	33.9	51,500

STERLING CRANE

Main Boom Rated Loads in Pounds

15 Counterweights + 2 Low Weights

130' Boom			140' Boom			150' Boom			160' Boom		
Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs)
30	79.4	250,700 *	32	79.3	231,100 *	34	79.2	208,500 *	34	79.9	203,100 *
32	78.5	240,700 *	34	78.5	221,600 *	36	78.5	199,700 *	36	79.2	194,800 *
34	77.5	228,800 *	36	77.6	209,600 *	38	77.7	190,800 *	38	78.5	186,400 *
36	76.6	215,700 *	38	76.8	197,600 *	40	76.9	182,000 *	40	77.7	178,000 *
38	75.7	202,500 *	40	75.9	186,400 *	45	74.9	160,200 *	45	75.9	156,900 *
40	74.8	190,100 *	45	73.8	163,000 *	50	72.9	140,500 *	50	74.0	139,200 *
45	72.5	163,600 *	50	71.7	141,700	55	70.9	123,300	55	72.1	123,100
50	70.2	141,900	55	69.5	123,800	60	68.9	108,900	60	70.2	108,700
55	67.8	124,000	60	67.3	109,600	65	66.8	97,500	65	68.3	97,300
60	65.4	109,600	65	65.0	98,100	70	64.7	88,300	70	66.4	88,000
65	62.9	98,100	70	62.7	88,800	75	62.5	80,300	75	64.4	80,000
70	60.4	88,900	75	60.4	80,800	80	60.4	73,400	80	62.4	73,000
75	57.8	81,000	80	58.0	73,900	85	58.1	67,300	85	60.3	67,100
80	55.2	74,000	85	55.5	68,000	90	55.8	62,200	90	58.2	62,000
85	52.4	68,000	90	53.0	62,900	95	53.5	57,700	95	56.1	57,500
90	49.6	63,100	95	50.4	58,400	100	51.0	53,700	100	53.9	53,500
95	46.6	58,500	100	47.6	54,300	105	48.5	50,000	105	51.6	49,800
100	43.4	54,400	105	44.8	50,600	110	45.9	46,800	110	49.3	46,600
105	40.1	50,900	110	41.7	47,500	115	43.1	44,000	115	46.9	43,700
110	36.4	47,700	115	38.5	44,600	120	40.2	41,300	120	44.3	41,100
115	32.5	44,900	120	35.1	42,000	125	37.2	38,800	125	41.7	38,600
			125	31.3	39,500	130	33.8	36,600	130	38.9	36,400
						135	30.2	34,600	135	35.9	34,500
									140	32.7	32,700
170' Boom			180' Boom			190' Boom			200' Boom		
Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs)
36	79.8	184,900 *	38	79.8	177,100 *	40	79.7	164,200 *	45	78.7	141,600 *
38	79.1	179,200 *	40	79.1	169,500 *	45	78.1	146,900 *	50	77.3	128,600 *
40	78.5	172,800 *	45	77.5	150,200 *	50	76.6	131,700 *	55	75.8	116,300 *
45	76.7	153,400 *	50	75.8	134,300 *	55	75.0	118,500 *	60	74.3	105,300
50	75.0	137,200 *	55	74.2	120,400	60	73.5	107,000	65	72.8	95,700
55	73.2	122,300	60	72.5	108,000	65	71.9	96,100	70	71.3	86,600
60	71.5	108,500	65	70.8	96,600	70	70.3	86,900	75	69.8	78,500
65	69.7	97,000	70	69.1	87,200	75	68.7	78,900	80	68.3	71,600
70	67.9	87,700	75	67.4	79,200	80	67.0	71,800	85	66.7	65,600
75	66.0	79,600	80	65.7	72,300	85	65.4	65,800	90	65.1	60,500
80	64.1	72,700	85	63.9	66,200	90	63.7	60,800	95	63.5	56,000
85	62.3	66,700	90	62.1	61,100	95	62.0	56,300	100	61.9	51,900
90	60.3	61,600	95	60.3	56,600	100	60.3	52,100	105	60.3	48,200
95	58.4	57,100	100	58.4	52,600	105	58.5	48,400	110	58.6	45,000
100	56.3	53,000	105	56.5	48,900	110	56.7	45,300	115	56.9	42,100
105	54.3	49,300	110	54.6	45,700	115	54.9	42,400	120	55.2	39,400
110	52.2	46,100	115	52.6	42,700	120	53.0	39,800	125	53.4	37,100
115	50.0	43,300	120	50.6	40,100	125	51.1	37,300	130	51.6	34,700
120	47.7	40,700	125	48.5	37,700	130	49.1	35,100	135	49.7	32,700
125	45.4	38,200	130	46.3	35,500	135	47.1	33,000	140	47.8	30,900
130	42.9	36,000	135	44.0	33,500	140	45.0	31,200	145	45.8	29,100
135	40.4	33,900	140	41.7	31,600	145	42.8	29,500	150	43.8	27,600
140	37.7	32,100	145	39.2	29,900	150	40.5	27,800	155	41.6	26,100
145	34.8	30,400	150	36.6	28,300	155	38.1	26,300	160	39.4	24,600
150	31.7	28,900	155	33.8	26,900	160	35.5	24,900	165	37.1	23,300
			160	30.7	25,400	165	32.8	23,700	170	34.6	22,100
									175	32.0	21,000

STERLING CRANE

Main Boom Rated Loads in Pounds

15 Counterweights + 2 Low Weights

210' Boom			220' Boom			230' Boom			240' Boom		
Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs)
45	79.3	140,500 *	45	79.8	138,300 *	50	79.0	119,700 *	50	79.4	116,400 *
50	77.9	126,300 *	50	78.5	124,100 *	55	77.7	108,200 *	55	78.2	107,300 *
55	76.5	113,800 *	55	77.1	111,900 *	60	76.4	99,000	60	77.0	97,400 *
60	75.1	103,100	60	75.8	101,400	65	75.1	90,500	65	75.8	88,900
65	73.7	94,100	65	74.4	92,600	70	73.8	83,400	70	74.5	81,700
70	72.2	85,800	70	73.1	85,100	75	72.5	76,700	75	73.3	75,300
75	70.8	78,000	75	71.7	77,900	80	71.2	70,300	80	72.0	69,500
80	69.3	71,000	80	70.3	71,000	85	69.9	64,200	85	70.8	64,000
85	67.9	65,100	85	68.9	64,900	90	68.6	59,100	90	69.5	58,900
90	66.4	60,000	90	67.5	59,800	95	67.2	54,600	95	68.2	54,300
95	64.9	55,400	95	66.1	55,200	100	65.8	50,600	100	66.9	50,200
100	63.4	51,300	100	64.7	51,000	105	64.5	46,900	105	65.6	46,500
105	61.8	47,600	105	63.2	47,300	110	63.1	43,700	110	64.3	43,300
110	60.3	44,400	110	61.7	44,100	115	61.7	40,700	115	62.9	40,300
115	58.7	41,500	115	60.2	41,200	120	60.2	38,000	120	61.6	37,600
120	57.1	38,900	120	58.7	38,500	125	58.8	35,500	125	60.2	35,100
125	55.4	36,400	125	57.2	36,200	130	57.3	33,300	130	58.8	32,900
130	53.7	34,200	130	55.6	34,000	135	55.8	31,300	135	57.4	30,800
135	52.0	32,200	135	54.0	31,900	140	54.3	29,300	140	56.0	29,000
140	50.2	30,200	140	52.4	30,000	145	52.7	27,500	145	54.5	27,300
145	48.4	28,400	145	50.7	28,200	150	51.1	26,000	150	53.0	25,600
150	46.6	26,900	150	49.0	26,700	155	49.5	24,500	155	51.5	24,200
155	44.6	25,400	155	47.2	25,200	160	47.8	23,100	160	50.0	22,900
160	42.7	24,000	160	45.4	23,700	165	46.1	21,800	165	48.4	21,500
165	40.6	22,700	165	43.6	22,400	170	44.4	20,600	170	46.8	20,200
170	38.4	21,500	170	41.6	21,300	175	42.5	19,400	175	45.1	19,000
175	36.2	20,400	175	39.6	20,100	180	40.7	18,200	180	43.4	17,800
180	33.7	19,300	180	37.5	19,000	185	38.7	17,100	185	41.6	16,700
185	31.2	18,200	185	35.3	18,000	190	36.6	16,100	190	39.8	15,700
			190	32.9	17,000	195	34.5	15,100	195	37.8	14,700
			195	30.4	16,000	200	32.2	14,200	200	35.8	13,800
									205	33.7	12,900
									210	31.5	12,100

STERLING CRANE

Main Boom Rated Loads in Pounds

15 Counterweights + 2 Low Weights

250' Boom			260' Boom			270' Boom			280' Boom		
Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs)
50	79.9	108,000 *	55	79.1	97,000 *	55	79.5	89,200 *	55	79.9	82,200 *
55	78.7	103,100 *	60	78.0	93,700 *	60	78.5	86,800 *	60	78.9	80,300 *
60	77.5	95,700 *	65	76.9	85,600 *	65	77.4	83,200 *	65	77.8	78,200 *
65	76.3	87,400 *	70	75.7	78,700	70	76.3	76,900 *	70	76.8	74,400 *
70	75.2	80,300	75	74.6	72,500	75	75.2	70,800	75	75.7	69,400 *
75	74.0	74,000	80	73.5	66,900	80	74.1	65,300	80	74.7	64,000
80	72.8	68,400	85	72.3	61,900	85	73.0	60,400	85	73.6	59,200
85	71.6	63,300	90	71.1	57,600	90	71.9	56,100	90	72.5	55,000
90	70.3	58,600	95	70.0	53,400	95	70.7	52,200	95	71.5	51,200
95	69.1	54,100	100	68.8	49,500	100	69.6	48,600	100	70.4	47,600
100	67.9	49,900	105	67.6	45,800	105	68.5	45,100	105	69.3	44,400
105	66.6	46,200	110	66.4	42,600	110	67.3	41,900	110	68.2	41,400
110	65.4	43,000	115	65.2	39,600	115	66.2	39,000	115	67.1	38,700
115	64.1	40,100	120	64.0	36,900	120	65.0	36,300	120	65.9	36,000
120	62.8	37,400	125	62.7	34,400	125	63.8	33,800	125	64.8	33,500
125	61.5	34,900	130	61.5	32,200	130	62.6	31,600	130	63.7	31,200
130	60.2	32,700	135	60.2	30,200	135	61.4	29,500	135	62.5	29,200
135	58.9	30,600	140	58.9	28,200	140	60.2	27,600	140	61.4	27,400
140	57.5	28,700	145	57.6	26,400	145	59.0	25,800	145	60.2	25,500
145	56.2	26,900	150	56.3	24,900	150	57.7	24,300	150	59.0	23,800
150	54.8	25,400	155	55.0	23,400	155	56.4	22,700	155	57.8	22,300
155	53.3	23,800	160	53.6	22,000	160	55.2	21,200	160	56.6	20,800
160	51.9	22,400	165	52.2	20,600	165	53.9	19,800	165	55.3	19,300
165	50.4	21,100	170	50.8	19,300	170	52.5	18,400	170	54.1	18,000
170	48.9	19,700	175	49.4	17,900	175	51.2	17,200	175	52.8	16,800
175	47.4	18,500	180	47.9	16,700	180	49.8	16,000	180	51.5	15,600
180	45.8	17,400	185	46.4	15,600	185	48.4	14,900	185	50.2	14,500
185	44.1	16,200	190	44.8	14,600	190	46.9	13,900	190	48.8	13,500
190	42.5	15,200	195	43.2	13,600	195	45.5	12,900	195	47.4	12,400
195	40.7	14,200	200	41.6	12,600	200	43.9	11,900	200	46.0	11,400
200	38.9	13,300	205	39.9	11,800	205	42.4	10,900	205	44.6	10,500
205	37.0	12,500	210	38.1	11,000	210	40.8	10,100	210	43.1	9,600
210	35.1	11,600	215	36.3	10,100	215	39.1	9,400	215	41.6	9,000
215	33.0	10,800	220	34.4	9,400	220	37.4	8,600	220	40.0	8,200
220	30.8	10,100	225	32.4	8,700	225	35.6	7,900	225	38.4	7,400
			230	30.2	8,000	230	33.7	7,200	230	36.7	6,700
						235	31.7	6,500	235	34.9	6,100
									240	33.1	5,500

290' Boom			300' Boom		
Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs)
60	79.3	73,000 *	165	56.7	19,100
65	78.3	71,200 *	170	55.5	17,700
70	77.2	69,500 *	175	54.3	16,400
75	76.2	66,800 *	180	53.1	15,200
80	75.2	63,000 *	185	51.8	14,000
85	74.2	58,300 *	190	50.5	13,000
90	73.2	54,100 *	195	49.2	12,000
95	72.1	50,300	200	47.9	11,100
100	71.1	46,800	205	46.6	10,300
105	70.0	43,600	210	45.2	9,400
110	69.0	40,800	215	43.8	8,600
115	67.9	38,100	220	42.3	7,700
120	66.8	35,600	225	40.8	7,000
125	65.7	33,300	230	39.3	6,300
130	64.7	31,000	235	37.7	5,600
135	63.6	29,000			
140	62.4	27,100			
145	61.3	25,300			
150	60.2	23,600			
155	59.0	22,100			
160	57.9	20,600			

Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs)
60	79.6	67,700 *	165	57.9	18,400
65	78.7	65,900 *	170	56.8	17,100
70	77.7	64,200 *	175	55.7	15,900
75	76.7	62,400 *	180	54.5	14,700
80	75.7	60,200 *	185	53.3	13,500
85	74.7	56,800 *	190	52.1	12,400
90	73.7	52,800 *	195	50.9	11,300
95	72.7	49,100 *	200	49.6	10,400
100	71.7	45,600 *	205	48.4	9,600
105	70.7	42,500	210	47.1	8,800
110	69.7	39,600	215	45.7	7,900
115	68.7	37,000	220	44.4	7,000 *
120	67.6	34,600	225	43.0	6,000 *
125	66.6	32,300			
130	65.6	30,200			
135	64.5	28,300			
140	63.4	26,500			
145	62.4	24,800			
150	61.3	23,200			
155	60.2	21,500			
160	59.1	19,900			