

CK800-III Main Boom Rated Loads in Pounds

2 Counterweights + 2 Low Weights - Crawlers fully extended

50' Boom			60' Boom			70' 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)
12.0	81.1	166,400 *	13.0	81.6	154,200 *	14.0	82.0	143,600 *
13.0	79.9	154,400 *	14.0	80.7	143,800 *	15.0	81.2	134,500 *
14.0	78.8	144,000 *	15.0	79.7	134,700 *	16.0	80.3	126,500 *
15.0	77.6	134,900 *	16.0	78.7	126,700 *	17.0	79.5	119,300 *
16.0	76.4	126,900 *	17.0	77.7	119,500 *	18.0	78.7	112,800 *
17.0	75.2	119,700 *	18.0	76.8	113,000 *	19.0	77.8	105,400
18.0	74.0	113,200 *	19.0	75.8	105,460	20.0	77.0	97,060
19.0	72.8	105,660	20.0	74.8	97,130	22.0	75.3	83,700
20.0	71.6	97,350	22.0	72.8	83,790	24.0	73.6	73,470
22.0	69.2	84,010	24.0	70.8	73,560	26.0	71.9	65,380
24.0	66.7	73,810	26.0	68.7	65,490	28.0	70.1	58,840
26.0	64.2	65,760	28.0	66.6	58,970	30.0	68.4	53,430
28.0	61.6	59,230	30.0	64.5	53,570	32.0	66.6	48,890
30.0	58.9	53,850	32.0	62.4	49,030	34.0	64.8	45,030
32.0	56.2	49,310	34.0	60.2	45,170	36.0	63.0	41,680
34.0	53.3	45,480	36.0	58.0	41,840	38.0	61.1	38,800
36.0	50.4	42,150	38.0	55.7	38,950	40.0	59.2	36,240
38.0	47.3	39,280	40.0	53.3	36,410	45.0	54.3	31,040
40.0	44.1	36,750	45.0	47.0	31,230	50.0	49.0	27,070
45.0	34.9	31,590	50.0	40.0	27,290	55.0	43.3	23,960
50.0	22.7	26,890 *	55.0	31.7	24,200	60.0	36.9	21,450
			60.0	20.6	21,600 *	65.0	29.3	19,420
80' Boom			90' Boom			100' 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)
16.0	81.6	126,300 *	17.0	81.9	118,820 *	19.0	81.5	101,850 *
17.0	80.8	119,100 *	18.0	81.2	112,400 *	20.0	80.9	96,800
18.0	80.1	112,600 *	19.0	80.6	105,220	22.0	79.8	83,400
19.0	79.4	105,290	20.0	79.9	96,870	24.0	78.6	73,120
20.0	78.6	96,930	22.0	78.6	83,480	26.0	77.4	65,010
22.0	77.2	83,550	24.0	77.3	73,230	28.0	76.3	58,440
24.0	75.7	73,320	26.0	76.0	65,140	30.0	75.1	53,020
26.0	74.2	65,230	28.0	74.7	58,570	32.0	73.9	48,450
28.0	72.7	58,680	30.0	73.4	53,150	34.0	72.7	44,550
30.0	71.2	53,260	32.0	72.0	48,580	36.0	71.5	41,200
32.0	69.7	48,690	34.0	70.7	44,700	38.0	70.3	38,290
34.0	68.1	44,840	36.0	69.3	41,380	40.0	69.0	35,730
36.0	66.6	41,490	38.0	68.0	38,440	45.0	65.9	30,480
38.0	65.0	38,580	40.0	66.6	35,890	50.0	62.7	26,470
40.0	63.4	36,020	45.0	63.0	30,660	55.0	59.5	23,320
45.0	59.3	30,820	50.0	59.4	26,670	60.0	56.1	20,740
50.0	55.0	26,820	55.0	55.6	23,520	65.0	52.5	18,620
55.0	50.5	23,670	60.0	51.6	20,960	70.0	48.8	16,860
60.0	45.6	21,140	65.0	47.4	18,870	75.0	44.8	15,360
65.0	40.3	19,060	70.0	42.9	17,100	80.0	40.6	14,080
70.0	34.4	17,350	75.0	37.9	15,630	85.0	35.9	12,980
75.0	27.3	15,890	80.0	32.3	14,370	90.0	30.6	12,010
			85.0	25.7	13,310	95.0	24.3	11,190

CK800-III Main Boom Rated Loads in Pounds

2 Counterweights + 2 Low Weights - Crawlers fully extended

110' Boom			120' Boom			130' 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)
20.0	81.8	92,590 *	22.0	81.5	80,680 *	24.0	81.3	71,200 *
22.0	80.7	83,260	24.0	80.5	72,950	26.0	80.4	64,610
24.0	79.7	73,010	26.0	79.6	64,810	28.0	79.5	58,020
26.0	78.6	64,900	28.0	78.6	58,240	30.0	78.6	52,570
28.0	77.5	58,330	30.0	77.6	52,800	32.0	77.7	48,010
30.0	76.5	52,880	32.0	76.6	48,230	34.0	76.8	44,110
32.0	75.4	48,320	34.0	75.6	44,330	36.0	75.9	40,760
34.0	74.3	44,440	36.0	74.7	40,980	38.0	74.9	37,830
36.0	73.2	41,090	38.0	73.7	38,050	40.0	74.0	35,250
38.0	72.1	38,160	40.0	72.7	35,470	45.0	71.7	30,000
40.0	71.0	35,600	45.0	70.1	30,220	50.0	69.4	25,970
45.0	68.2	30,350	50.0	67.6	26,210	55.0	67.0	22,790
50.0	65.4	26,340	55.0	65.0	23,010	60.0	64.6	20,210
55.0	62.5	23,170	60.0	62.3	20,450	65.0	62.1	18,070
60.0	59.5	20,610	65.0	59.5	18,320	70.0	59.6	16,290
65.0	56.4	18,490	70.0	56.7	16,530	75.0	57.0	14,770
70.0	53.2	16,710	75.0	53.8	15,010	80.0	54.3	13,470
75.0	49.9	15,210	80.0	50.8	13,710	85.0	51.5	12,320
80.0	46.4	13,910	85.0	47.6	12,580	90.0	48.6	11,330
85.0	42.6	12,800	90.0	44.3	11,590	95.0	45.6	10,440
90.0	38.6	11,830	95.0	40.7	10,730	100.0	42.4	9,670
95.0	34.2	10,970	100.0	36.9	9,960	105.0	39.0	8,990
100.0	29.2	10,250	105.0	32.7	9,280	110.0	35.4	8,390
105.0	23.2	9,610	110.0	27.9	8,680	115.0	31.3	7,840
			115.0	22.2	8,170	120.0	26.7	7,360
						125.0	21.2	6,940
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)
24.0	81.9	61,720 *	26.0	81.7	52,680 *	28.0	81.5	44,090 *
26.0	81.1	60,840 *	28.0	80.9	51,800 *	30.0	80.7	43,430 *
28.0	80.2	57,980	30.0	80.1	51,140 *	32.0	80.0	42,760 *
30.0	79.4	52,530	32.0	79.3	47,810	34.0	79.3	42,100 *
32.0	78.6	47,950	34.0	78.6	43,890	36.0	78.6	40,520
34.0	77.7	44,040	36.0	77.8	40,540	38.0	77.8	37,560
36.0	76.9	40,670	38.0	77.0	37,610	40.0	77.1	34,980
38.0	76.0	37,740	40.0	76.2	35,030	45.0	75.2	29,710
40.0	75.2	35,160	45.0	74.2	29,760	50.0	73.4	25,680
45.0	73.1	29,910	50.0	72.2	25,720	55.0	71.5	22,480
50.0	70.9	25,880	55.0	70.2	22,530	60.0	69.6	19,880
55.0	68.7	22,680	60.0	68.2	19,950	65.0	67.7	17,720
60.0	66.5	20,100	65.0	66.1	17,810	70.0	65.7	15,930
65.0	64.3	17,960	70.0	64.0	16,000	75.0	63.7	14,390
70.0	62.0	16,150	75.0	61.8	14,480	80.0	61.7	13,070
75.0	59.6	14,630	80.0	59.6	13,160	85.0	59.7	11,920
80.0	57.2	13,310	85.0	57.4	12,010	90.0	57.6	10,910
85.0	54.7	12,160	90.0	55.1	11,000	95.0	55.4	10,000
90.0	52.2	11,170	95.0	52.7	10,110	100.0	53.2	9,210
95.0	49.5	10,290	100.0	50.3	9,320	105.0	50.9	8,500
100.0	46.8	9,500	105.0	47.7	8,640	110.0	48.6	7,870
105.0	43.9	8,790	110.0	45.1	8,000	115.0	46.1	7,290
110.0	40.8	8,170	115.0	42.3	7,420	120.0	43.6	6,760
115.0	37.5	7,620	120.0	39.4	6,920	125.0	40.9	6,280
120.0	34.0	7,120	125.0	36.2	6,450	130.0	38.1	5,860
125.0	30.1	6,650	130.0	32.8	6,040	135.0	35.0	5,440
130.0	25.7	6,260	135.0	29.1	5,660	140.0	31.8	5,070
135.0	20.5	5,900	140.0	24.8	5,330	145.0	28.1	4,710
						150.0	24.0	4,380

CK800-III Main Boom Rated Loads in Pounds

2 Counterweights + 2 Low Weights - Crawlers fully extended

170' Boom			180' Boom			190' 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)
28.0	82.0	38,800 *	30.0	81.8	33,730 *	32.0	81.6	29,540 *
30.0	81.3	38,130 *	32.0	81.1	33,060 *	34.0	81.0	28,880 *
32.0	80.6	37,470 *	34.0	80.5	32,620 *	36.0	80.4	28,430 *
34.0	79.9	37,030 *	36.0	79.8	31,960 *	38.0	79.8	27,990 *
36.0	79.2	36,370 *	38.0	79.2	31,520 *	40.0	79.2	27,550 *
38.0	78.6	35,710 *	40.0	78.5	31,080 *	45.0	77.6	26,450 *
40.0	77.9	34,780	45.0	76.9	29,250	50.0	76.1	25,300
45.0	76.1	29,510	50.0	75.3	25,220	55.0	74.5	22,110
50.0	74.4	25,460	55.0	73.6	22,000	60.0	72.9	19,510
55.0	72.6	22,260	60.0	72.0	19,400	65.0	71.3	17,350
60.0	70.9	19,660	65.0	70.3	17,260	70.0	69.7	15,540
65.0	69.1	17,520	70.0	68.6	15,450	75.0	68.1	13,990
70.0	67.2	15,710	75.0	66.8	13,910	80.0	66.5	12,650
75.0	65.4	14,170	80.0	65.1	12,560	85.0	64.8	11,500
80.0	63.5	12,850	85.0	63.3	11,410	90.0	63.2	10,470
85.0	61.6	11,680	90.0	61.5	10,400	95.0	61.4	9,560
90.0	59.7	10,670	95.0	59.7	9,500	100.0	59.7	8,770
95.0	57.7	9,780	100.0	57.8	8,700	105.0	57.9	8,040
100.0	55.7	8,990	105.0	55.9	8,000	110.0	56.1	7,400
105.0	53.6	8,260	110.0	54.0	7,340	115.0	54.3	6,810
110.0	51.5	7,620	115.0	52.0	6,760	120.0	52.4	6,280
115.0	49.3	7,050	120.0	49.9	6,230	125.0	50.5	5,750
120.0	47.0	6,520	125.0	47.8	5,700	130.0	48.5	5,260
125.0	44.7	6,040	130.0	45.6	5,220	135.0	46.4	4,800
130.0	42.2	5,570	135.0	43.3	4,780	140.0	44.3	4,400
135.0	39.6	5,150	140.0	40.9	4,380	145.0	42.1	4,010
140.0	36.9	4,760	145.0	38.4	4,030	150.0	39.8	3,680
145.0	34.0	4,380	150.0	35.8	3,680	155.0	37.4	3,350
150.0	30.8	4,050	155.0	33.0	3,370	160.0	34.8	3,040
155.0	27.3	3,760	160.0	29.9	3,100	165.0	32.0	2,770
160.0	23.3	3,500	165.0	26.5	2,840	170.0	29.1	2,510
			170.0	22.6	2,620			
200' Boom								
Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs)						
34.0	81.4	25,790 *						
36.0	80.9	25,350 *						
38.0	80.3	24,910 *						
40.0	79.7	24,470 *						
45.0	78.2	23,360 *						
50.0	76.8	22,480 *						
55.0	75.3	21,380 *						
60.0	73.8	19,310						
65.0	72.3	17,150						
70.0	70.8	15,320						
75.0	69.3	13,770						
80.0	67.7	12,430						
85.0	66.2	11,260						
90.0	64.6	10,250						
95.0	63.0	9,340						
100.0	61.4	8,530						
105.0	59.7	7,820						
110.0	58.1	7,160						
115.0	56.3	6,560						
120.0	54.6	5,970						
125.0	52.8	5,440						
130.0	51.0	4,960						
135.0	49.1	4,510						
140.0	47.2	4,100						
145.0	45.2	3,700						
150.0	43.1	3,350						
155.0	41.0	3,040						
160.0	38.7	2,730						