

CK1600 Main Boom Rated Loads

with 11 counterweights (116,820 lbs) and 2 carbody weights (22,050 lbs)

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)
15.0	79.9	320,000 *	17.0	79.6	280,000 *	19.0	79.5	251,100 *	22.0	78.6	211,800 *
16.0	78.7	300,100 *	18.0	78.7	266,000 *	20.0	78.6	238,500 *	24.0	77.1	190,200 *
17.0	77.5	282,500 *	19.0	77.7	251,900 *	22.0	76.9	217,100 *	26.0	75.7	172,600 *
18.0	76.3	266,800 *	20.0	76.7	239,300 *	24.0	75.3	194,600 *	28.0	74.2	157,800 *
19.0	75.1	252,700 *	22.0	74.7	218,000 *	26.0	73.5	176,300 *	30.0	72.7	145,500 *
20.0	73.9	240,100 *	24.0	72.7	197,500 *	28.0	71.8	160,900 *	32.0	71.1	134,400
22.0	71.5	218,300 *	26.0	70.7	178,300 *	30.0	70.1	147,900 *	34.0	69.6	123,000
24.0	69.1	197,700 *	28.0	68.6	162,200 *	32.0	68.3	134,700	36.0	68.1	113,300
26.0	66.5	177,400 *	30.0	66.5	148,300	34.0	66.5	123,400	38.0	66.5	105,100
28.0	64.0	160,400 *	32.0	64.4	134,900	36.0	64.7	113,700	40.0	64.9	97,800
30.0	61.4	145,900 *	34.0	62.2	123,600	38.0	62.8	105,500	45.0	60.8	83,300
32.0	58.7	133,300 *	36.0	60.0	113,900	40.0	61.0	98,300	50.0	56.6	72,300
34.0	55.9	122,100 *	38.0	57.7	105,800	45.0	56.1	83,700	55.0	52.1	63,900
36.0	53.0	112,200 *	40.0	55.4	98,500	50.0	50.9	72,700	60.0	47.4	56,800
38.0	50.0	103,300 *	45.0	49.3	83,900	55.0	45.3	64,300	65.0	42.2	51,300
40.0	46.8	95,200 *	50.0	42.4	72,000 *	60.0	39.0	57,300 *	70.0	36.3	46,700 *
45.0	38.0	76,900 *	55.0	34.4	60,100 *	65.0	31.7	48,700 *	75.0	29.5	40,300 *
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)
22.0	79.9	207,600 *	24.0	79.8	183,400 *	26.0	79.6	164,200 *	28.0	79.5	147,000 *
24.0	78.6	186,500 *	26.0	78.6	166,400 *	28.0	78.6	150,100 *	30.0	78.6	135,500 *
26.0	77.3	169,000 *	28.0	77.4	152,300 *	30.0	77.5	138,200 *	32.0	77.6	125,600 *
28.0	76.0	154,700 *	30.0	76.2	140,400 *	32.0	76.4	128,300 *	34.0	76.6	117,000 *
30.0	74.6	142,600 *	32.0	75.0	130,200 *	34.0	75.4	119,400 *	36.0	75.6	109,500 *
32.0	73.3	132,200 *	34.0	73.8	121,400 *	36.0	74.3	111,900 *	38.0	74.6	102,900 *
34.0	72.0	122,700	36.0	72.6	112,800	38.0	73.2	104,400	40.0	73.6	96,700
36.0	70.6	113,000	38.0	71.4	104,700	40.0	72.1	97,200	45.0	71.1	82,200
38.0	69.3	104,700	40.0	70.2	97,400	45.0	69.3	82,600	50.0	68.6	71,200
40.0	67.9	97,400	45.0	67.1	82,800	50.0	66.5	71,600	55.0	65.9	62,600
45.0	64.4	82,800	50.0	63.9	71,800	55.0	63.6	63,000	60.0	63.3	55,500
50.0	60.8	72,000	55.0	60.7	63,200	60.0	60.6	56,200	65.0	60.6	50,000
55.0	57.0	63,400	60.0	57.3	56,400	65.0	57.5	50,400	70.0	57.8	45,100
60.0	53.1	56,400	65.0	53.8	50,700	70.0	54.4	45,600	75.0	54.9	41,200
65.0	48.9	50,900	70.0	50.1	46,000	75.0	51.1	41,600	80.0	51.9	37,600
70.0	44.4	46,200	75.0	46.2	41,800	80.0	47.6	38,300	85.0	48.7	34,800
75.0	39.6	42,300	80.0	42.0	38,500	85.0	43.9	35,200	90.0	45.4	32,100
80.0	34.1	38,800 *	85.0	37.4	35,700	90.0	39.9	32,800	95.0	41.9	29,900
			90.0	32.3	32,800 *	95.0	35.6	30,400	100.0	38.1	27,900
						100.0	30.7	27,900 *	105.0	34.0	26,000

CK1600 Main Boom Rated Loads

with 11 counterweights (116,820 lbs) and 2 carbody weights (22,050 lbs)

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)
30.0	79.5	134,000 *	32.0	79.4	122,100 *	34.0	79.3	112,600 *	34.0	80.0	110,800 *
32.0	78.6	124,100 *	34.0	78.5	113,500 *	36.0	78.5	105,100 *	36.0	79.3	103,600 *
34.0	77.7	115,500 *	36.0	77.7	106,200 *	38.0	77.8	98,700 *	38.0	78.5	97,000 *
36.0	76.7	108,200 *	38.0	76.9	99,800 *	40.0	77.0	93,000 *	40.0	77.8	91,200 *
38.0	75.8	101,600 *	40.0	76.0	94,100 *	45.0	75.0	81,100 *	45.0	76.0	79,500 *
40.0	74.9	95,600 *	45.0	73.9	81,700	50.0	73.0	70,500	50.0	74.1	70,100
45.0	72.6	82,000	50.0	71.7	70,700	55.0	71.0	61,900	55.0	72.2	61,500
50.0	70.3	70,900	55.0	69.6	62,100	60.0	69.0	54,800	60.0	70.3	54,600
55.0	67.9	62,300	60.0	67.4	55,100	65.0	66.9	49,100	65.0	68.4	48,900
60.0	65.5	55,500	65.0	65.1	49,300	70.0	64.8	44,500	70.0	66.5	44,000
65.0	63.0	49,800	70.0	62.8	44,700	75.0	62.6	40,300	75.0	64.5	40,100
70.0	60.5	44,900	75.0	60.5	40,700	80.0	60.4	37,000	80.0	62.5	36,500
75.0	57.9	41,000	80.0	58.1	37,200	85.0	58.2	33,900	85.0	60.4	33,500
80.0	55.3	37,400	85.0	55.6	34,100	90.0	55.9	31,300	90.0	58.3	30,800
85.0	52.5	34,600	90.0	53.1	31,700	95.0	53.6	29,100	95.0	56.2	28,600
90.0	49.7	31,900	95.0	50.5	29,300	100.0	51.1	26,800	100.0	54.0	26,600
95.0	46.7	29,700	100.0	47.7	27,300	105.0	48.6	25,100	105.0	51.7	24,600
100.0	43.5	27,500	105.0	44.9	25,300	110.0	46.0	23,300	110.0	49.4	23,100
105.0	40.2	25,700	110.0	41.8	23,800	115.0	43.2	22,000	115.0	47.0	21,600
110.0	36.6	24,200	115.0	38.6	22,200	120.0	40.3	20,700	120.0	44.4	20,200
115.0	32.6	22,700 *	120.0	35.2	20,900	125.0	37.2	19,400	125.0	41.8	18,900
			125.0	31.4	19,600 *	130.0	33.9	18,200 *	130.0	39.0	17,800
						135.0	30.2	16,500 *	135.0	36.0	16,700
									140.0	32.8	15,600 *
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)
36.0	79.9	102,000 *	38.0	79.8	88,400 *	40.0	79.8	88,100 *	45.0	78.8	75,100 *
38.0	79.2	95,600 *	40.0	79.2	88,400 *	45.0	78.2	76,400 *	50.0	77.3	66,100 *
40.0	78.5	89,900 *	45.0	77.6	77,600 *	50.0	76.7	67,200 *	55.0	75.9	58,800 *
45.0	76.8	78,200 *	50.0	75.9	68,500 *	55.0	75.1	59,900 *	60.0	74.4	52,900 *
50.0	75.1	69,200 *	55.0	74.3	61,000 *	60.0	73.5	53,700	65.0	72.9	47,600
55.0	73.3	61,200	60.0	72.6	54,000	65.0	72.0	48,000	70.0	71.4	42,900
60.0	71.5	54,200	65.0	70.9	48,200	70.0	70.4	43,200	75.0	69.9	38,800
65.0	69.7	48,500	70.0	69.2	43,600	75.0	68.7	39,200	80.0	68.3	35,200
70.0	67.9	43,800	75.0	67.5	39,400	80.0	67.1	35,700	85.0	66.8	32,400
75.0	66.1	39,600	80.0	65.8	36,100	85.0	65.5	32,600	90.0	65.2	29,700
80.0	64.2	36,300	85.0	64.0	33,000	90.0	63.8	29,900	95.0	63.6	27,300
85.0	62.3	33,200	90.0	62.2	30,400	95.0	62.1	27,700	100.0	62.0	25,300
90.0	60.4	30,600	95.0	60.4	27,900	100.0	60.4	25,500	105.0	60.3	23,300
95.0	58.4	28,200	100.0	58.5	26,000	105.0	58.6	23,800	110.0	58.7	21,800
100.0	56.4	26,200	105.0	56.6	24,000	110.0	56.8	22,000	115.0	57.0	20,200
105.0	54.4	24,400	110.0	54.7	22,400	115.0	55.0	20,500	120.0	55.2	18,700
110.0	52.2	22,700	115.0	52.7	20,900	120.0	53.1	19,100	125.0	53.5	17,600
115.0	50.1	21,100	120.0	50.6	19,600	125.0	51.2	18,000	130.0	51.6	16,500
120.0	47.8	19,800	125.0	48.5	18,200	130.0	49.2	16,700	135.0	49.8	15,400
125.0	45.5	18,700	130.0	46.4	17,100	135.0	47.2	15,800	140.0	47.9	14,300
130.0	43.0	17,400	135.0	44.1	16,000	140.0	45.0	14,700	145.0	45.9	13,400
135.0	40.5	16,500	140.0	41.7	15,200	145.0	42.9	13,800	150.0	43.8	12,700
140.0	37.8	15,400	145.0	39.3	14,300	150.0	40.6	13,000	155.0	41.7	11,900
145.0	34.9	14,500	150.0	36.6	13,400 *	155.0	38.2	12,300 *	160.0	39.5	11,200 *
150.0	31.8	13,200 *	155.0	33.8	12,300 *	160.0	35.6	11,200 *	165.0	37.1	10,300 *
			160.0	30.8	11,000 *	165.0	32.9	10,100 *	170.0	34.7	9,200 *
						170.0	30.0	9,000 *	175.0	32.0	8,300 *

CK1600 Main Boom Rated Loads

with 11 counterweights (116,820 lbs) and 2 carbody weights (22,050 lbs)

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)
45.0	79.4	73,800 *	45.0	79.8	58,800 *	50.0	79.0	58,800 *	50.0	79.5	54,400 *
50.0	78.0	65,000 *	50.0	78.5	58,800 *	55.0	77.7	55,700 *	55.0	78.3	51,300 *
55.0	76.6	57,700 *	55.0	77.2	57,700 *	60.0	76.5	50,700 *	60.0	77.0	48,200 *
60.0	75.1	51,800 *	60.0	75.8	51,800 *	65.0	75.2	45,800 *	65.0	75.8	44,700 *
65.0	73.7	46,900 *	65.0	74.5	46,700 *	70.0	73.9	41,400 *	70.0	74.6	40,500 *
70.0	72.3	42,500	70.0	73.1	42,300 *	75.0	72.6	37,900 *	75.0	73.3	37,000 *
75.0	70.9	38,300	75.0	71.8	38,300	80.0	71.3	34,600	80.0	72.1	33,700 *
80.0	69.4	34,800	80.0	70.4	34,800	85.0	69.9	31,500	85.0	70.8	31,000 *
85.0	67.9	31,900	85.0	69.0	31,700	90.0	68.6	28,800	90.0	69.5	28,400
90.0	66.5	29,300	90.0	67.6	29,100	95.0	67.3	26,400	95.0	68.3	26,000
95.0	64.9	26,800	95.0	66.2	26,800	100.0	65.9	24,400	100.0	67.0	24,000
100.0	63.4	24,900	100.0	64.7	24,600	105.0	64.5	22,400	105.0	65.7	22,000
105.0	61.9	22,900	105.0	63.3	22,900	110.0	63.1	20,900	110.0	64.3	20,500
110.0	60.3	21,300	110.0	61.8	21,100	115.0	61.7	19,400	115.0	63.0	18,900
115.0	58.7	19,800	115.0	60.3	19,600	120.0	60.3	17,800	120.0	61.7	17,600
120.0	57.1	18,500	120.0	58.8	18,200	125.0	58.8	16,700	125.0	60.3	16,300
125.0	55.5	17,100	125.0	57.2	16,900	130.0	57.4	15,400	130.0	58.9	15,200
130.0	53.8	16,000	130.0	55.7	15,800	135.0	55.9	14,500	135.0	57.5	14,100
135.0	52.1	14,900	135.0	54.1	14,700	140.0	54.3	13,400	140.0	56.0	13,000
140.0	50.3	13,800	140.0	52.4	13,800	145.0	52.8	12,500	145.0	54.6	12,100
145.0	48.5	13,000	145.0	50.8	13,000	150.0	51.2	11,600	150.0	53.1	11,000
150.0	46.6	12,300	150.0	49.1	12,100	155.0	49.6	10,800	155.0	51.6	10,300
155.0	44.7	11,400	155.0	47.3	11,200	160.0	47.9	9,900	160.0	50.0	9,400
160.0	42.7	10,500	160.0	45.5	10,300	165.0	46.2	9,200	165.0	48.5	8,800
165.0	40.6	9,900	165.0	43.6	9,700	170.0	44.4	8,500	170.0	46.8	7,900
170.0	38.5	9,200 *	170.0	41.7	9,000 *	175.0	42.6	7,900 *	175.0	45.2	7,200
175.0	36.2	8,100 *	175.0	39.7	8,100 *	180.0	40.7	7,000 *	180.0	43.4	6,800 *
180.0	33.8	7,200 *	180.0	37.6	7,200 *	185.0	38.7	6,300 *	185.0	41.7	6,100 *
185.0	31.2	6,300 *	185.0	35.3	6,600 *	190.0	36.7	5,700 *	190.0	39.8	5,200 *
			190.0	33.0	5,700 *	195.0	34.5	4,800 *	195.0	37.9	4,600 *
			195.0	30.5	4,800 *	200.0	32.2	4,100 *			

250 ' Boom			250 ' Boom		
Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs)
50.0	79.9	50,200 *	145.0	56.2	11,600
55.0	78.7	47,300 *	150.0	54.8	10,800
60.0	77.6	44,500 *	155.0	53.4	9,900
65.0	76.4	42,100 *	160.0	51.9	9,000
70.0	75.2	39,600 *	165.0	50.5	8,300
75.0	74.0	36,100 *	170.0	49.0	7,400
80.0	72.8	33,000 *	175.0	47.4	6,800
85.0	71.6	30,200 *	180.0	45.8	6,300 *
90.0	70.4	27,900 *	185.0	44.2	5,700 *
95.0	69.2	25,700 *	190.0	42.5	5,000 *
100.0	67.9	23,500	195.0	40.8	4,400 *
105.0	66.7	21,800			
110.0	65.4	20,000			
115.0	64.2	18,500			
120.0	62.9	17,100			
125.0	61.6	15,800			
130.0	60.3	14,700			
135.0	58.9	13,600			
140.0	57.6	12,500			

CK1600 Jib Rated Loads

with 11 counterweights (116,820 lbs) and 2 carbody weights (22,050 lbs)

90 ft Boom									90 ft Boom								
Load Radius (ft.)	40' Jib				60' Jib				Load Radius (ft.)	80' Jib				100' Jib			
	10° Offset		30° Offset		10° Offset		30° Offset			10° Offset		30° Offset		10° Offset		30° Offset	
	Boom Angle (deg.)	Rated Load (lbs.)	Boom Angle (deg.)	Rated Load (lbs.)	Boom Angle (deg.)	Rated Load (lbs.)	Boom Angle (deg.)	Rated Load (lbs.)		Boom Angle (deg.)	Rated Load (lbs.)	Boom Angle (deg.)	Rated Load (lbs.)	Boom Angle (deg.)	Rated Load (lbs.)	Boom Angle (deg.)	Rated Load (lbs.)
34	79.5	59,000 *							46	79.7	22,000 *						
36	78.6	59,000 *							48	79.0	21,800 *						
38	77.7	59,000 *							50	78.3	21,600 *			79.6	13,200 *		
40	76.8	59,000 *				79.6	42,500 *		55	76.6	21,300 *			78.1	13,000 *		
42	75.8	58,800 *				78.8	42,200 *		60	74.8	20,900 *			76.5	12,700 *		
44	74.9	58,200 *				78.0	42,000 *		65	73.0	20,600 *			75.0	12,400 *		
46	74.0	57,600 *	79.5	40,100 *	77.2	41,700 *			70	71.2	20,000 *	79.7	16,700 *	73.4	12,100 *		
48	73.1	57,000 *	78.5	39,200 *	76.5	41,500 *			75	69.4	19,400 *	77.8	16,300 *	71.8	11,600 *		
50	72.2	56,400 *	77.5	38,200 *	75.7	41,300 *			80	67.5	18,700 *	75.9	15,900 *	70.1	11,200 *	79.8	9,100 *
55	69.8	55,100 *	75.1	36,100 *	73.7	40,300 *			85	65.7	18,100 *	74.0	15,500 *	68.5	10,800 *	78.1	8,900 *
60	67.4	53,900 *	72.7	34,300 *	71.6	39,300 *	78.8	27,000 *	90	63.7	17,600 *	72.0	15,200 *	66.8	10,400 *	76.4	8,600 *
65	65.0	51,000 *	70.2	32,600 *	69.6	38,400 *	76.6	25,500 *	95	61.8	17,100 *	69.9	14,900 *	65.1	10,000 *	74.6	8,400 *
70	62.5	47,200 *	67.6	31,200 *	67.5	36,100 *	74.5	24,200 *	100	59.8	16,600 *	67.9	14,500 *	63.4	9,700 *	72.8	8,200 *
75	59.9	43,100 *	64.9	29,800 *	65.4	33,600 *	72.3	23,100 *	105	57.7	16,200 *	65.7	13,900 *	61.7	9,400 *	71.0	8,000 *
80	57.3	39,600 *	62.2	28,700 *	63.2	31,500 *	70.0	22,000 *	110	55.6	15,800 *	63.5	13,500 *	59.9	9,100 *	69.2	7,800 *
85	54.5	36,600 *	59.4	27,600 *	61.0	29,600 *	67.7	21,100 *	115	53.5	15,400 *	61.3	13,000 *	58.1	8,800 *	67.3	7,600 *
90	51.7	33,900 *	56.5	26,700 *	58.7	27,900 *	65.4	20,200 *	120	51.2	15,000 *	58.9	12,600 *	56.2	8,500 *	65.4	7,400 *
95	48.8	31,600 *	53.4	25,900 *	56.3	26,400 *	62.9	19,400 *	125	48.9	14,700 *	56.5	12,200 *	54.3	8,300 *	63.4	7,300 *
100	45.6	29,500 *	50.1	25,100 *	53.9	25,100 *	60.4	18,700 *	130	46.5	14,400 *	53.9	11,900 *	52.3	8,100 *	61.3	7,100 *
105	42.3	27,700 *	46.6	24,500 *	51.4	23,900 *	57.8	18,100 *	135	43.9	14,100 *	51.2	11,500 *	50.3	7,900 *	59.2	7,000 *
110	38.8	26,000 *	42.9	23,900 *	48.8	22,800 *	55.1	17,500 *	140	41.3	13,900 *	48.3	11,200 *	48.2	7,700 *	57.0	6,900 *
115	34.9	24,400 *			46.1	21,800 *	52.2	17,000 *	145	38.4	13,600 *	45.2	11,000 *	46.0	7,500 *	54.7	6,800 *
120	30.6	21,900 *			43.2	20,900 *	49.2	16,600 *	150	35.4	13,400 *	41.9	10,800 *	43.8	7,300 *	52.3	6,700 *
125					40.2	20,100 *	45.9	16,100 *	155	32.0	13,200 *			41.4	7,100 *	49.8	6,600 *
130					36.9	19,400 *	42.3	15,800 *	160					38.9	7,000 *	47.1	6,500 *
135					33.3	18,700 *			165					36.2	6,900 *	44.2	6,500 *
									170					33.3	6,700 *	41.0	6,400 *
									175					30.2	6,600 *		

100 ft Boom									100 ft Boom								
Load Radius (ft.)	40' Jib				60' Jib				Load Radius (ft.)	80' Jib				100' Jib			
	10° Offset		30° Offset		10° Offset		30° Offset			10° Offset		30° Offset		10° Offset		30° Offset	
	Boom Angle (deg.)	Rated Load (lbs.)	Boom Angle (deg.)	Rated Load (lbs.)	Boom Angle (deg.)	Rated Load (lbs.)	Boom Angle (deg.)	Rated Load (lbs.)		Boom Angle (deg.)	Rated Load (lbs.)	Boom Angle (deg.)	Rated Load (lbs.)	Boom Angle (deg.)	Rated Load (lbs.)	Boom Angle (deg.)	Rated Load (lbs.)
36	79.4	59,000 *							48	79.6	21,900 *						
38	78.6	59,000 *							50	79.0	21,800 *						
40	77.7	59,000 *							55	77.3	21,400 *			78.7	13,100 *		
42	76.9	59,000 *				79.5	42,400 *		60	75.7	21,100 *			77.2	12,800 *		
44	76.0	58,900 *				78.8	42,200 *		65	74.0	20,800 *			75.7	12,500 *		
46	75.2	58,300 *				78.1	41,900 *		70	72.3	20,500 *			74.2	12,300 *		
48	74.3	57,700 *	79.4	40,000 *	77.3	41,700 *			75	70.6	19,800 *	78.6	16,400 *	72.7	11,900 *		
50	73.5	57,200 *	78.5	39,100 *	76.6	41,500 *			80	68.9	19,200 *	76.8	16,000 *	71.2	11,500 *		
55	71.3	55,900 *	76.3	37,100 *	74.7	40,800 *			85	67.1	18,600 *	75.0	15,700 *	69.6	11,000 *	78.7	8,900 *
60	69.1	54,700 *	74.0	35,200 *	72.8	39,900 *	79.5	27,600 *	90	65.3	18,000 *	73.1	15,400 *	68.1	10,700 *	77.1	8,700 *
65	66.9	51,600 *	71.7	33,600 *	70.9	39,000 *	77.6	26,100 *	95	63.5	17,500 *	71.2	15,100 *	66.5	10,300 *	75.5	8,500 *
70	64.6	46,900 *	69.4	32,100 *	69.0	38,000 *	75.6	24,900 *	100	61.7	17,100 *	69.3	14,800 *	64.9	10,000 *	73.8	8,300 *
75	62.3	42,800 *	67.0	30,800 *	67.0	35,500 *	73.5	23,700 *	105	59.8	16,600 *	67.4	14,300 *	63.2	9,700 *	72.1	8,100 *
80	59.9	39,300 *	64.6	29,600 *	65.0	33,200 *	71.5	22,700 *	110	57.9	16,200 *	65.4	13,800 *	61.6	9,300 *	70.4	7,900 *
85	57.5	36,300 *	62.0	28,600 *	63.0	31,300 *	69.4	21,700 *	115	55.9	15,800 *	63.3	13,400 *	59.9	9,100 *	68.7	7,700 *
90	55.0	33,600 *	59.4	27,600 *	60.9	29,500 *	67.2	20,800 *	120	53.9	15,400 *	61.2	13,000 *	58.2	8,800 *	66.9	7,500 *
95	52.4	31,300 *	56.7	26,800 *	58.8	27,900 *	65.0	20,100 *	125	51.8	15,100 *	59.0	12,600 *	56.4	8,500 *	65.1	7,400 *
100	49.6	29,200 *	53.9	26,000 *	56.6	26,600 *	62.7	19,400 *	130	49.6	14,800 *	56.7	12,200 *	54.6	8,300 *	63.2	7,200 *
105	46.8	27,300 *	51.0	25,300 *	54.3	25,300 *	60.4	18,700 *	135	47.4	14,500 *	54.3	11,900 *	52.7	8,100 *	61.3	7,100 *
110	43.8	25,600 *	47.9	24,700 *	52.0	24,100 *	58.0	18,100 *	140	45.0	14,200 *	51.9	11,600 *	50.8	7,900 *	59.3	7,000 *
115	40.7	24,100 *	44.5	24,100 *	49.6	23,100 *	55.5	17,600 *	145	42.6	14,000 *	49.2	11,300 *	48.9	7,700 *	57.2	6,900 *
120	37.3	22,700 *	40.9	23,000 *	47.1	22,100 *	52.8	17,100 *	150	40.0	13,700 *	46.4	11,100 *	46.8	7,500 *	55.1	6,800 *
125	33.5	21,100 *			44.5	21,300 *	50.1	16,700 *	155	37.2	13,500 *	43.4	10,800 *	44.7	7,400 *	52.8	6,700 *
130					41.7	20,500 *	47.1	16,300 *	160	34.2	13,300 *	40.2	10,600 *	42.5	7,200 *	50.5	6,600 *
135					38.8	19,700 *	43.9	15,900 *	165	31.0	13,200 *			40.2	7,000 *	48.0	6,500 *
140					35.6	18,600 *	40.5	15,600 *	170					37.8	6,900 *	45.4	6,500 *
145					32.1	17,000 *			175					35.2	6,800 *	42.6	6,400 *
									180					32.4	6,700 *		

CK1600 Jib Rated Loads

with 11 counterweights (116,820 lbs) and 2 carbody weights (22,050 lbs)

110 ft Boom									110 ft Boom								
Load Radius (ft.)	40' Jib				60' Jib				Load Radius (ft.)	80' Jib				100' Jib			
	10° Offset		30° Offset		10° Offset		30° Offset			10° Offset		30° Offset		10° Offset		30° Offset	
	Boom Angle (deg.)	Rated Load (lbs.)	Boom Angle (deg.)	Rated Load (lbs.)	Boom Angle (deg.)	Rated Load (lbs.)	Boom Angle (deg.)	Rated Load (lbs.)		Boom Angle (deg.)	Rated Load (lbs.)	Boom Angle (deg.)	Rated Load (lbs.)	Boom Angle (deg.)	Rated Load (lbs.)	Boom Angle (deg.)	Rated Load (lbs.)
38	79.3	59,000 *							50	79.6	21,900 *						
40	78.6	59,000 *							55	78.0	21,600 *			79.3	13,100 *		
42	77.8	59,000 *							60	76.5	21,200 *			77.8	12,900 *		
44	77.0	59,000 *							65	74.9	20,900 *			76.4	12,600 *		
46	76.2	58,900 *					79.5	42,300 *	70	73.3	20,600 *			75.0	12,400 *		
48	75.4	58,400 *					78.8	42,100 *	75	71.7	20,200 *	79.2	16,600 *	73.6	12,200 *		
50	74.6	57,800 *	79.3	39,900 *	77.4	41,700 *			80	70.1	19,600 *	77.6	16,200 *	72.1	11,700 *		
55	72.6	56,600 *	77.3	37,900 *	75.6	41,200 *			85	68.4	19,000 *	75.9	15,800 *	70.7	11,300 *	79.3	9,000 *
60	70.6	55,400 *	75.2	36,100 *	73.9	40,300 *			90	66.8	18,400 *	74.1	15,500 *	69.2	10,900 *	77.8	8,800 *
65	68.5	51,300 *	73.1	34,500 *	72.1	39,500 *	78.4	26,700 *	95	65.1	17,900 *	72.4	15,200 *	67.7	10,600 *	76.3	8,500 *
70	66.4	46,500 *	70.9	33,000 *	70.3	38,600 *	76.5	25,400 *	100	63.3	17,500 *	70.6	14,900 *	66.2	10,200 *	74.7	8,300 *
75	64.3	42,500 *	68.8	31,700 *	68.5	37,300 *	74.6	24,300 *	105	61.6	17,000 *	68.8	14,700 *	64.6	9,900 *	73.1	8,200 *
80	62.1	38,900 *	66.5	30,500 *	66.6	35,000 *	72.7	23,300 *	110	59.8	16,600 *	66.9	14,200 *	63.1	9,600 *	71.5	8,000 *
85	59.9	35,900 *	64.2	29,500 *	64.7	32,900 *	70.8	22,300 *	115	58.0	16,200 *	65.0	13,800 *	61.5	9,300 *	69.9	7,800 *
90	57.6	33,300 *	61.9	28,500 *	62.8	31,100 *	68.8	21,400 *	120	56.1	15,800 *	63.1	13,300 *	59.9	9,100 *	68.2	7,600 *
95	55.3	30,900 *	59.5	27,600 *	60.8	29,400 *	66.8	20,700 *	125	54.2	15,500 *	61.1	12,900 *	58.3	8,800 *	66.5	7,500 *
100	52.9	28,800 *	57.0	26,800 *	58.8	28,000 *	64.7	19,900 *	130	52.2	15,200 *	59.1	12,600 *	56.6	8,600 *	64.8	7,300 *
105	50.4	27,000 *	54.4	26,100 *	56.8	26,600 *	62.6	19,300 *	135	50.2	14,900 *	56.9	12,200 *	54.9	8,300 *	63.0	7,200 *
110	47.8	25,300 *	51.7	25,400 *	54.7	25,400 *	60.4	18,700 *	140	48.1	14,600 *	54.7	11,900 *	53.1	8,100 *	61.2	7,100 *
115	45.1	23,800 *	48.9	24,100 *	52.5	24,200 *	58.1	18,100 *	145	45.9	14,300 *	52.4	11,600 *	51.3	7,900 *	59.3	7,000 *
120	42.2	22,400 *	45.9	22,700 *	50.3	22,800 *	55.8	17,600 *	150	43.7	14,100 *	50.0	11,400 *	49.5	7,800 *	57.4	6,900 *
125	39.2	21,100 *	42.6	21,400 *	48.0	21,500 *	53.3	17,200 *	155	41.3	13,800 *	47.5	11,100 *	47.6	7,600 *	55.4	6,800 *
130	35.9	20,000 *			45.6	20,400 *	50.8	16,700 *	160	38.8	13,600 *	44.7	10,900 *	45.6	7,400 *	53.3	6,700 *
135	32.3	18,200 *			43.0	19,300 *	48.1	16,400 *	165	36.1	13,400 *	41.8	10,700 *	43.5	7,200 *	51.1	6,600 *
140					40.4	18,300 *	45.3	16,000 *	170	33.2	13,300 *			41.4	7,100 *	48.8	6,500 *
145					37.5	17,400 *	42.2	15,700 *	175	30.0	12,500 *			39.2	7,000 *	46.4	6,500 *
150					34.4	16,200 *			180					36.8	6,900 *	43.8	6,400 *
155					31.1	14,800 *			185					34.2	6,700 *	41.1	6,400 *
									190					31.5	6,700 *		

120 ft Boom									120 ft Boom								
Load Radius (ft.)	40' Jib				60' Jib				Load Radius (ft.)	80' Jib				100' Jib			
	10° Offset		30° Offset		10° Offset		30° Offset			10° Offset		30° Offset		10° Offset		30° Offset	
	Boom Angle (deg.)	Rated Load (lbs.)	Boom Angle (deg.)	Rated Load (lbs.)	Boom Angle (deg.)	Rated Load (lbs.)	Boom Angle (deg.)	Rated Load (lbs.)		Boom Angle (deg.)	Rated Load (lbs.)	Boom Angle (deg.)	Rated Load (lbs.)	Boom Angle (deg.)	Rated Load (lbs.)	Boom Angle (deg.)	Rated Load (lbs.)
38	80.0	59,000 *							55	78.6	21,700 *			79.7	13,200 *		
40	79.3	59,000 *							60	77.2	21,400 *			78.4	13,000 *		
42	78.5	59,000 *							65	75.7	21,000 *			77.1	12,700 *		
44	77.8	59,000 *							70	74.2	20,800 *			75.7	12,500 *		
46	77.1	59,000 *					79.4	42,300 *	75	72.7	20,500 *	79.8	16,700 *	74.4	12,300 *		
48	76.3	59,000 *					78.8	42,100 *	80	71.1	19,900 *	78.2	16,300 *	73.0	12,000 *		
50	75.6	58,500 *	80.0	40,600 *	78.1	41,900 *			85	69.6	19,400 *	76.6	16,000 *	71.6	11,500 *	79.9	9,100 *
55	73.7	57,200 *	78.1	38,700 *	76.5	41,400 *			90	68.0	18,800 *	75.0	15,700 *	70.2	11,100 *	78.4	8,900 *
60	71.8	56,100 *	76.2	36,900 *	74.8	40,700 *			95	66.4	18,300 *	73.4	15,400 *	68.8	10,800 *	77.0	8,600 *
65	69.9	50,900 *	74.2	35,300 *	73.1	39,900 *	79.1	27,200 *	100	64.8	17,900 *	71.7	15,100 *	67.3	10,500 *	75.5	8,400 *
70	68.0	46,100 *	72.2	33,900 *	71.4	39,100 *	77.3	25,900 *	105	63.2	17,400 *	70.0	14,900 *	65.9	10,100 *	74.0	8,200 *
75	66.0	42,000 *	70.2	32,600 *	69.7	38,400 *	75.6	24,800 *	110	61.5	17,000 *	68.3	14,600 *	64.4	9,800 *	72.5	8,100 *
80	64.0	38,500 *	68.2	31,400 *	68.0	36,600 *	73.8	23,800 *	115	59.8	16,600 *	66.6	14,300 *	62.9	9,600 *	71.0	7,900 *
85	62.0	35,400 *	66.1	30,300 *	66.2	34,500 *	72.0	22,900 *	120	58.1	16,200 *	64.8	13,700 *	61.4	9,300 *	69.4	7,700 *
90	59.9	32,800 *	64.0	29,300 *	64.5	32,600 *	70.1	22,000 *	125	56.3	15,900 *	62.9	13,300 *	59.9	9,000 *	67.8	7,600 *
95	57.8	30,400 *	61.8	28,400 *	62.6	30,900 *	68.3	21,200 *	130	54.5	15,500 *	61.0	12,900 *	58.3	8,800 *	66.2	7,400 *
100	55.6	28,300 *	59.5	27,600 *	60.8	28,800 *	66.3	20,500 *	135	52.7	15,200 *	59.1	12,600 *	56.7	8,600 *	64.5	7,300 *
105	53.4	26,500 *	57.2	26,800 *	58.9	26,900 *	64.4	19,800 *	140	50.8	14,900 *	57.1	12,300 *	55.1	8,300 *	62.8	7,200 *
110	51.1	24,800 *	54.8	25,300 *	57.0	25,200 *	62.4	19,200 *	145	48.8	14,700 *	55.0	11,900 *	53.5	8,200 *	61.1	7,100 *
115	48.7	23,300 *	52.3	23,700 *	55.0	23,700 *	60.3	18,700 *	150	46.8	14,400 *	52.9	11,700 *	51.8	8,000 *	59.3	7,000 *
120	46.2	21,900 *	49.7	22,300 *	53.0	22,300 *	58.2	18,200 *	155	44.6	14,100 *	50.7	11,400 *	50.0	7,800 *	57.5	6,900 *
125	43.5	20,600 *	47.0	21,000 *	50.9	21,000 *	56.1	17,700 *	160	42.4	13,900 *	48.3	11,200 *	48.2	7,600 *	55.6	6,800 *
130	40.8	19,500 *	44.1	19,800 *	48.7	19,900 *	53.8	17,200 *	165	40.1	13,700 *	45.8	11,000 *	46.4	7,500 *	53.7	6,700 *
135	37.8	18,400 *	41.0	18,700 *	46.5	18,800 *	51.4	16,800 *	170	37.1	13,500 *	43.2	10,800 *	44.4	7,300 *	51.6	6,600 *
140	34.7	17,100 *			44.1	17,800 *	49.0	16,500 *	175	35.1	12,700 *	40.3	10,600 *	42.4	7,200 *	49.5	6,500 *
145	31.2	15,500 *			41.7	16,900 *	46.4	16,200 *	180	32.3	11,700 *			40.3	7,000 *	47.3	6,500 *
150					39.1	16,100 *			185					38.2	6,900 *	44.9	6,400 *
155					36.4	15,100 *	40.6	15,600 *	190					35.8	6,800 *	42.4	6,400 *
160					33.4	13,800 *			195					33.4	6,700 *		
165					30.1	12,600 *			200					30.7	6,600 *		

CK1600 Jib Rated Loads

with 11 counterweights (116,820 lbs) and 2 carbody weights (22,050 lbs)

130 ft Boom									130 ft Boom								
Load Radius (ft.)	40' Jib				60' Jib				Load Radius (ft.)	80' Jib				100' Jib			
	10° Offset		30° Offset		10° Offset		30° Offset			10° Offset		30° Offset		10° Offset		30° Offset	
	Boom Angle (deg.)	Rated Load (lbs.)	Boom Angle (deg.)	Rated Load (lbs.)	Boom Angle (deg.)	Rated Load (lbs.)	Boom Angle (deg.)	Rated Load (lbs.)		Boom Angle (deg.)	Rated Load (lbs.)	Boom Angle (deg.)	Rated Load (lbs.)	Boom Angle (deg.)	Rated Load (lbs.)	Boom Angle (deg.)	Rated Load (lbs.)
40	79.9	59,000 *							55	79.2	21,800 *						
42	79.2	59,000 *							60	77.8	21,500 *			78.9	13,000 *		
44	78.5	59,000 *							65	76.4	21,200 *			77.6	12,800 *		
46	77.9	59,000 *							70	74.9	20,900 *			76.4	12,600 *		
48	77.2	59,000 *							75	73.5	20,600 *			75.1	12,400 *		
50	76.5	59,000 *							80	72.1	20,300 *	78.9	16,400 *	73.7	12,200 *		
55	74.7	57,800 *	78.8	39,400 *	77.2	41,600 *			85	70.6	19,700 *	77.3	16,100 *	72.4	11,800 *		
60	73.0	56,400 *	77.0	37,600 *	75.6	41,100 *			90	69.1	19,200 *	75.8	15,800 *	71.1	11,400 *	79.0	8,900 *
65	71.2	50,600 *	75.2	36,100 *	74.1	40,300 *	79.7	27,700 *	95	67.6	18,700 *	74.3	15,500 *	69.8	11,000 *	77.6	8,700 *
70	69.4	45,800 *	73.4	34,600 *	72.5	39,500 *	78.0	26,400 *	100	66.1	18,200 *	72.7	15,200 *	68.4	10,700 *	76.2	8,500 *
75	67.5	41,700 *	71.5	33,300 *	70.9	38,800 *	76.4	25,300 *	105	64.6	17,800 *	71.1	15,000 *	67.0	10,400 *	74.8	8,300 *
80	65.7	38,200 *	69.6	32,200 *	69.2	38,100 *	74.7	24,300 *	110	63.0	17,300 *	69.5	14,800 *	65.6	10,100 *	73.4	8,200 *
85	63.8	35,100 *	67.7	31,100 *	67.6	35,700 *	73.0	23,400 *	115	61.4	16,900 *	67.9	14,400 *	64.2	9,800 *	71.9	8,000 *
90	61.9	32,500 *	65.7	30,100 *	65.9	33,000 *	71.3	22,500 *	120	59.8	16,600 *	66.2	14,000 *	62.8	9,500 *	70.4	7,800 *
95	59.9	30,100 *	63.7	29,200 *	64.2	30,600 *	69.6	21,800 *	125	58.2	16,200 *	64.5	13,600 *	61.4	9,300 *	68.9	7,700 *
100	57.9	28,000 *	61.7	28,300 *	62.5	28,500 *	67.8	21,000 *	130	56.5	15,900 *	62.8	13,200 *	59.9	9,000 *	67.4	7,500 *
105	55.9	26,100 *	59.6	26,800 *	60.8	26,600 *	66.0	20,400 *	135	54.8	15,600 *	61.0	12,900 *	58.4	8,800 *	65.9	7,400 *
110	53.8	24,500 *	57.4	25,000 *	59.0	24,900 *	64.1	19,700 *	140	53.0	15,300 *	59.2	12,600 *	56.9	8,600 *	64.3	7,300 *
115	51.6	22,900 *	55.2	23,400 *	57.1	23,400 *	62.3	19,200 *	145	51.2	15,000 *	57.3	12,300 *	55.3	8,400 *	62.7	7,200 *
120	49.4	21,600 *	52.8	22,000 *	55.3	22,000 *	60.3	18,600 *	150	49.4	14,700 *	55.3	12,000 *	53.8	8,200 *	61.1	7,000 *
125	47.1	20,300 *	50.4	20,700 *	53.4	20,700 *	58.3	18,200 *	155	47.5	14,500 *	53.3	11,700 *	52.1	8,000 *	59.4	6,900 *
130	44.7	19,100 *	47.9	19,500 *	51.4	19,500 *	56.3	17,700 *	160	45.5	14,200 *	51.2	11,500 *	50.5	7,800 *	57.6	6,900 *
135	42.1	18,100 *	45.3	18,400 *	49.4	18,500 *	54.2	17,300 *	165	43.4	13,900 *	49.1	11,200 *	48.8	7,700 *	55.9	6,800 *
140	39.4	17,100 *	42.5	17,300 *	47.3	17,500 *	52.0	16,900 *	170	41.3	13,300 *	46.8	11,000 *	47.0	7,500 *	54.0	6,700 *
145	36.6	16,000 *			45.1	16,600 *	49.7	16,600 *	175	39.0	12,700 *	44.3	10,900 *	45.2	7,400 *	52.1	6,600 *
150	33.5	14,600 *			42.8	15,700 *	47.3	16,200 *	180	36.7	11,900 *	41.8	10,700 *	43.3	7,200 *	50.1	6,500 *
155	30.2	13,200 *			40.5	14,900 *	44.8	15,500 *	185	34.1	11,000 *			41.4	7,100 *	48.1	6,500 *
160					38.0	14,100 *	42.1	14,700 *	190	31.4	10,000 *			39.4	7,000 *	45.9	6,400 *
165					35.3	13,000 *			195					37.2	6,900 *	43.6	6,400 *
170					32.4	11,900 *			200					35.0	6,800 *	41.1	6,400 *
									205					32.5	6,700 *		

140 ft Boom									140 ft Boom								
Load Radius (ft.)	40' Jib				60' Jib				Load Radius (ft.)	80' Jib				100' Jib			
	10° Offset		30° Offset		10° Offset		30° Offset			10° Offset		30° Offset		10° Offset		30° Offset	
	Boom Angle (deg.)	Rated Load (lbs.)	Boom Angle (deg.)	Rated Load (lbs.)	Boom Angle (deg.)	Rated Load (lbs.)	Boom Angle (deg.)	Rated Load (lbs.)		Boom Angle (deg.)	Rated Load (lbs.)	Boom Angle (deg.)	Rated Load (lbs.)	Boom Angle (deg.)	Rated Load (lbs.)	Boom Angle (deg.)	Rated Load (lbs.)
42	79.8	59,000 *							55	79.7	21,900 *						
44	79.2	59,000 *							60	78.4	21,600 *			79.4	13,100 *		
46	78.5	59,000 *							65	77.0	21,300 *			78.2	12,900 *		
48	77.9	59,000 *							70	75.7	21,000 *			76.9	12,700 *		
50	77.2	59,000 *							75	74.3	20,800 *			75.7	12,500 *		
55	75.6	58,400 *	79.5	40,000 *	77.8	41,700 *			80	72.9	20,500 *	79.4	16,500 *	74.4	12,300 *		
60	73.9	56,100 *	77.8	38,300 *	76.4	41,300 *			85	71.5	20,100 *	78.0	16,200 *	73.2	12,000 *		
65	72.3	50,300 *	76.1	36,700 *	74.9	40,700 *			90	70.1	19,500 *	76.5	15,900 *	71.9	11,600 *	79.5	9,000 *
70	70.6	45,500 *	74.4	35,400 *	73.4	39,900 *	78.7	26,900 *	95	68.7	19,000 *	75.1	15,600 *	70.6	11,300 *	78.2	8,800 *
75	68.9	41,400 *	72.6	34,100 *	71.9	39,200 *	77.1	25,800 *	100	67.3	18,600 *	73.6	15,400 *	69.4	10,900 *	76.8	8,600 *
80	67.1	37,800 *	70.9	32,900 *	70.3	38,400 *	75.6	24,800 *	105	65.8	18,100 *	72.1	15,100 *	68.1	10,600 *	75.5	8,400 *
85	65.4	34,800 *	69.1	31,800 *	68.8	35,300 *	74.0	23,900 *	110	64.4	17,700 *	70.6	14,900 *	66.7	10,300 *	74.1	8,200 *
90	63.6	32,100 *	67.2	30,800 *	67.2	32,600 *	72.4	23,000 *	115	62.9	17,300 *	69.1	14,700 *	65.4	10,000 *	72.8	8,100 *
95	61.8	29,800 *	65.4	29,900 *	65.6	30,300 *	70.7	22,200 *	120	61.4	16,900 *	67.5	14,300 *	64.1	9,700 *	71.4	7,900 *
100	59.9	27,700 *	63.5	28,400 *	64.0	28,200 *	69.1	21,500 *	125	59.8	16,600 *	65.9	13,900 *	62.7	9,500 *	70.0	7,800 *
105	58.0	25,800 *	61.6	26,500 *	62.4	26,300 *	67.4	20,800 *	130	58.3	16,200 *	64.3	13,500 *	61.3	9,200 *	68.5	7,600 *
110	56.1	24,100 *	59.6	24,700 *	60.7	24,600 *	65.7	20,200 *	135	56.7	15,900 *	62.6	13,200 *	59.9	9,000 *	67.1	7,500 *
115	54.1	22,600 *	57.5	23,100 *	59.0	23,000 *	63.9	19,700 *	140	55.0	15,600 *	60.9	12,800 *	58.5	8,800 *	65.6	7,400 *
120	52.1	21,200 *	55.5	21,700 *	57.3	21,600 *	62.1	19,100 *	145	53.4	15,300 *	59.2	12,500 *	57.0	8,600 *	64.1	7,200 *
125	50.0	19,900 *	53.3	20,400 *	55.5	20,300 *	60.3	18,600 *	150	51.7	15,000 *	57.4	12,300 *	55.5	8,400 *	62.6	7,100 *
130	47.9	18,800 *	51.1	19,200 *	53.7	19,200 *	58.4	18,200 *	155	49.9	14,800 *	55.6	12,000 *	54.0	8,200 *	61.0	7,000 *
135	45.6	17,700 *	48.7	18,000 *	51.9	18,100 *	56.5	17,700 *	160	48.1	14,300 *	53.7	11,700 *	52.5	8,000 *	59.4	6,900 *
140	43.3	16,700 *	46.3	17,000 *	50.0	17,100 *	54.5	17,300 *	165	46.3	13,600 *	51.7	11,500 *	50.9	7,900 *	57.8	6,900 *
145	40.8	15,800 *	43.7	16,100 *	48.0	16,200 *	52.5	16,900 *	170	44.3	13,000 *	49.7	11,300 *	49.3	7,700 *	56.1	6,800 *
150	38.3	14,900 *	41.0	15,200 *	46.0	15,300 *	50.3	16,000 *	175	42.3	12,300 *	47.6	11,100 *	47.6	7,600 *	54.3	6,700 *
155	35.5	13,600 *			43.9	14,600 *	48.1	15,200 *	180	40.2	11,800 *	45.3	10,900 *	45.9	7,400 *	52.5	6,600 *
160	32.5	12,400 *			41.7	13,800 *	45.8	14,400 *	185	38.1	11,000 *	43.0	10,800 *	44.2	7,300 *	50.7	6,500 *
165					39.3	13,000 *	43.3	13,700 *	190	35.7	10,200 *	40.5	10,600 *	42.3	7,100 *	48.7	6,500 *
170					36.9	12,100 *	40.7	13,000 *	195	33.3	9,300 *			40.4	7,000 *	46.7	6,400 *
175					34.3	11,100 *			200	30.6	8,500 *			38.4	6,900 *	44.6	6,400 *
180					31.5	10,100 *			205					36.4	6,800 *	42.3	6,400 *
									210					34.1	6,700 *		
									215					31.8	6,600 *		

CK1600 Jib Rated Loads

with 11 counterweights (116,820 lbs) and 2 carbody weights (22,050 lbs)

150 ft Boom									150 ft Boom								
Load Radius (ft.)	40' Jib				60' Jib				Load Radius (ft.)	80' Jib				100' Jib			
	10° Offset		30° Offset		10° Offset		30° Offset			10° Offset		30° Offset		10° Offset		30° Offset	
	Boom Angle (deg.)	Rated Load (lbs.)	Boom Angle (deg.)	Rated Load (lbs.)	Boom Angle (deg.)	Rated Load (lbs.)	Boom Angle (deg.)	Rated Load (lbs.)		Boom Angle (deg.)	Rated Load (lbs.)	Boom Angle (deg.)	Rated Load (lbs.)	Boom Angle (deg.)	Rated Load (lbs.)	Boom Angle (deg.)	Rated Load (lbs.)
44	79.8	59,000 *							60	78.9	21,700 *			79.8	13,200 *		
46	79.1	59,000 *							65	77.6	21,400 *			78.7	13,000 *		
48	78.5	59,000 *							70	76.3	21,100 *			77.5	12,800 *		
50	77.9	59,000 *							75	75.0	20,900 *			76.3	12,600 *		
55	76.4	58,900 *			79.8	42,300 *			80	73.7	20,600 *	79.9	16,600 *	75.1	12,400 *		
60	74.8	55,700	78.5	38,900 *	77.0	41,500 *			85	72.4	20,400 *	78.5	16,300 *	73.9	12,200 *		
65	73.2	49,900	76.9	37,400 *	75.6	41,000 *			90	71.0	19,900 *	77.2	16,000 *	72.7	11,800 *	79.9	9,000 *
70	71.6	45,000	75.3	36,000 *	74.2	40,300 *	79.3	27,300 *	95	69.7	19,400 *	75.8	15,800 *	71.5	11,500 *	78.7	8,800 *
75	70.0	40,900	73.6	34,700 *	72.8	39,600 *	77.8	26,200 *	100	68.3	18,900 *	74.4	15,500 *	70.2	11,100 *	77.4	8,700 *
80	68.4	37,400	72.0	33,600 *	71.3	38,000	76.3	25,200 *	105	67.0	18,400 *	73.0	15,300 *	69.0	10,800 *	76.1	8,500 *
85	66.8	34,300	70.3	32,500 *	69.8	34,900	74.8	24,300 *	110	65.6	18,000 *	71.6	15,000 *	67.7	10,500 *	74.9	8,300 *
90	65.1	31,700	68.6	31,500 *	68.4	32,200	73.3	23,500 *	115	64.2	17,600 *	70.1	14,800 *	66.5	10,200 *	73.6	8,200 *
95	63.4	29,300	66.9	30,200	66.9	29,800	71.7	22,700 *	120	62.7	17,300 *	68.6	14,600 *	65.2	9,900 *	72.2	8,000 *
100	61.7	27,200	65.1	28,000	65.4	27,700	70.2	22,000 *	125	61.3	16,900 *	67.1	14,200 *	63.9	9,700 *	70.9	7,800 *
105	59.9	25,300	63.3	26,100	63.8	25,800	68.6	21,300 *	130	59.8	16,600 *	65.6	13,800 *	62.6	9,500 *	69.5	7,700 *
110	58.2	23,600	61.5	24,300	62.3	24,100	67.0	20,700 *	135	58.3	16,200 *	64.1	13,500 *	61.3	9,200 *	68.2	7,600 *
115	56.3	22,100	59.6	22,700	60.7	22,600	65.4	20,100 *	140	56.8	15,900 *	62.5	13,100 *	59.9	9,000 *	66.8	7,400 *
120	54.5	20,700	57.7	21,300	59.1	21,200	63.7	19,600 *	145	55.3	15,600 *	60.9	12,800 *	58.5	8,800 *	65.4	7,300 *
125	52.6	19,400	55.7	20,000	57.4	19,900	62.0	19,100 *	150	53.7	15,300 *	59.2	12,500 *	57.2	8,600 *	63.9	7,200 *
130	50.6	18,300	53.7	18,800	55.8	18,700	60.3	18,600 *	155	52.1	14,600	57.6	12,300 *	55.7	8,400 *	62.5	7,100 *
135	48.6	17,200	51.6	17,600	54.0	17,600	58.5	18,200 *	160	50.4	13,900	55.8	12,000 *	54.3	8,200 *	61.0	7,000 *
140	46.5	16,200	49.4	16,600	52.3	16,600	56.7	17,500	165	48.7	13,200	54.0	11,800 *	52.8	8,000 *	59.4	6,900 *
145	44.3	15,300	47.2	15,600	50.5	15,700	54.8	16,600	170	47.0	12,500	52.2	11,500 *	51.3	7,900 *	57.9	6,800 *
150	42.0	14,500	44.8	14,800	48.6	14,900	52.9	15,600	175	45.1	11,900	50.3	11,300 *	49.8	7,700 *	56.3	6,700 *
155	39.7	13,500 *	42.3	13,900	46.7	14,100	50.9	14,800	180	43.3	11,300	48.3	11,100 *	48.2	7,600 *	54.6	6,700 *
160	37.2	12,400 *			44.8	13,400	48.8	14,000	185	41.3	10,800 *	46.2	11,000 *	46.6	7,400 *	52.9	6,600 *
165	34.5	11,300 *			42.7	12,600	46.7	13,300	190	39.3	10,000 *	44.0	10,700	44.9	7,300 *	51.1	6,500 *
170	31.6	10,200 *			40.6	11,800 *	44.4	12,600	195	37.1	9,200 *	41.7	10,100 *	43.2	7,200 *	49.3	6,500 *
175					38.3	10,900 *	42.0	11,900	200	34.9	8,400 *			41.4	7,100 *	47.4	6,400 *
180					35.9	10,000 *			205	32.4	7,700 *			39.5	7,000 *	45.4	6,400 *
185					33.4	9,100 *			210					37.6	6,900 *	43.4	6,400 *
190					30.7	8,200 *			215					35.6	6,800 *	41.1	6,300 *
									220					33.4	6,700 *		
									225					31.1	6,000 *		

160 ft Boom									160 ft Boom								
Load Radius (ft.)	40' Jib				60' Jib				Load Radius (ft.)	80' Jib				100' Jib			
	10° Offset		30° Offset		10° Offset		30° Offset			10° Offset		30° Offset		10° Offset		30° Offset	
	Boom Angle (deg.)	Rated Load (lbs.)	Boom Angle (deg.)	Rated Load (lbs.)	Boom Angle (deg.)	Rated Load (lbs.)	Boom Angle (deg.)	Rated Load (lbs.)		Boom Angle (deg.)	Rated Load (lbs.)	Boom Angle (deg.)	Rated Load (lbs.)	Boom Angle (deg.)	Rated Load (lbs.)	Boom Angle (deg.)	Rated Load (lbs.)
46	79.7	59,000 *							60	79.3	21,800 *						
48	79.1	59,000 *							65	78.1	21,500 *			79.1	13,000 *		
50	78.5	59,000 *							70	76.9	21,200 *			78.0	12,800 *		
55	77.1	59,000 *							75	75.6	21,000 *			76.8	12,600 *		
60	75.6	55,400	79.1	39,500 *	77.6	41,600 *			80	74.4	20,700 *			75.7	12,400 *		
65	74.1	49,600	77.6	38,000 *	76.3	41,200 *			85	73.1	20,500 *	79.1	16,400 *	74.5	12,300 *		
70	72.6	44,700	76.0	36,600 *	74.9	40,600 *	79.8	27,700 *	90	71.9	20,200 *	77.8	16,200 *	73.4	12,000 *		
75	71.1	40,600	74.5	35,400 *	73.6	39,900 *	78.4	26,600 *	95	70.6	19,700 *	76.4	15,900 *	72.2	11,700 *	79.2	8,900 *
80	69.5	37,100	72.9	34,200 *	72.2	37,700	77.0	25,600 *	100	69.3	19,200 *	75.1	15,600 *	71.0	11,300 *	77.9	8,700 *
85	68.0	34,100	71.4	33,100 *	70.8	34,600	75.5	24,800 *	105	68.0	18,800 *	73.8	15,400 *	69.8	11,000 *	76.7	8,500 *
90	66.4	31,400	69.8	32,100 *	69.4	31,900	74.1	23,900 *	110	66.7	18,400 *	72.4	15,200 *	68.7	10,700 *	75.5	8,400 *
95	64.8	29,000	68.1	30,000	68.0	29,500	72.7	23,100 *	115	65.3	17,900 *	71.1	14,900 *	67.4	10,400 *	74.3	8,200 *
100	63.2	26,900	66.5	27,800	66.6	27,400	71.2	22,400 *	120	64.0	17,600 *	69.7	14,700 *	66.2	10,100 *	73.0	8,100 *
105	61.6	25,000	64.8	25,800	65.1	25,500	69.7	21,800 *	125	62.6	17,200 *	68.3	14,500 *	65.0	9,900 *	71.7	7,900 *
110	59.9	23,300	63.1	24,000	63.7	23,800	68.2	21,100 *	130	61.2	16,900 *	66.8	14,100 *	63.7	9,700 *	70.5	7,800 *
115	58.3	21,800	61.4	22,500	62.2	22,300	66.7	20,500 *	135	59.8	16,500 *	65.4	13,800 *	62.5	9,400 *	69.2	7,600 *
120	56.5	20,400	59.6	21,000	60.7	20,900	65.1	20,000 *	140	58.4	16,200 *	63.9	13,400 *	61.2	9,200 *	67.8	7,500 *
125	54.8	19,100	57.8	19,700	59.1	19,600	63.5	19,500 *	145	57.0	15,900 *	62.4	13,100 *	59.9	9,000 *	66.5	7,400 *
130	53.0	17,900	56.0	18,500	57.6	18,400	61.9	19,000 *	150	55.5	15,100	60.8	12,800 *	58.6	8,800 *	65.1	7,300 *
135	51.1	16,900	54.1	17,400	56.0	17,300	60.3	18,400	155	54.0	14,300	59.3	12,500 *	57.3	8,600 *	63.8	7,200 *
140	49.2	15,900	52.1	16,300	54.3	16,300	58.6	17,300	160	52.4	13,600	57.7	12,300 *	55.9	8,400 *	62.4	7,100 *
145	47.2	15,000 *	50.1	15,400	52.7	15,400	56.9	16,300	165	50.9	12,900	56.0	12,000 *	54.5	8,200 *	60.9	7,000 *
150	45.2	14,100	48.0	14,500	51.0	14,500	55.1	15,400	170	49.2	12,200	54.3	11,800 *	53.1	8,100 *	59.5	6,900 *
155	43.1	13,400	45.8	13,700	49.2	13,800	53.3	14,600	175	47.6	11,600	52.6	11,600 *	51.7	7,900 *	58.0	6,800 *
160	40.9	12,400 *	43.5	12,900 *	47.4	13,000	51.4	13,800	180	45.9	11,000	50.8	11,400 *	50.2	7,800 *	56.4	6,700 *
165	38.6	11,400 *	41.1	12,000 *	45.6	12,300	49.5	13,000	185	44.1	10,400	48.9	11,000	48.7	7,600 *	54.9	6,700 *
170	36.2	10,400 *			43.6	11,600 *	47.5	12,300	190	42.3	9,800 *	47.0	10,400	47.2	7,500 *	53.2	6,600 *
175	33.6	9,400 *			41.6	10,800 *	45.4	11,700	195	40.4	9,100 *	45.0	9,900	45.6	7,400 *	51.6	6,500 *
180	30.7	8,500 *			39.6	9,900 *	43.1	11,000	200	38.4	8,400 *	42.8	9,300 *	44.0	7,200 *	49.9	6,500 *
185					37.4	9,100 *	40.8	10,300 *	205	36.3	7,700 *	40.6	8,500 *	42.3	7,100 *	48.1	6,400 *
190					35.0	8,300 *			210	34.1	7,000 *			40.5	7,000 *	46.2	6,400 *
195					32.6	7,500 *			215	31.7	6,300 *			38.7	6,900 *	44.3	6,400 *
									220					36.8	6,600 *	42.2	6,300 *
									225					34.8	6,000 *	40.1	6,300 *
									230					32.7	5,400 *		
									235					30.4	4,800 *		

CK1600 Jib Rated Loads

with 11 counterweights (116,820 lbs) and 2 carbody weights (22,050 lbs)

170 ft Boom									170 ft Boom								
Load Radius (ft.)	40' Jib				60' Jib				Load Radius (ft.)	80' Jib				100' Jib			
	10° Offset		30° Offset		10° Offset		30° Offset			10° Offset		30° Offset		10° Offset		30° Offset	
	Boom Angle (deg.)	Rated Load (lbs.)	Boom Angle (deg.)	Rated Load (lbs.)	Boom Angle (deg.)	Rated Load (lbs.)	Boom Angle (deg.)	Rated Load (lbs.)		Boom Angle (deg.)	Rated Load (lbs.)	Boom Angle (deg.)	Rated Load (lbs.)	Boom Angle (deg.)	Rated Load (lbs.)	Boom Angle (deg.)	Rated Load (lbs.)
48	79.6	59,000 *							60	79.8	21,800 *						
50	79.1	59,000 *							65	78.6	21,600 *			79.5	13,100 *		
55	77.7	59,000 *							70	77.4	21,300 *			78.4	12,900 *		
60	76.3	55,100	79.6	40,000 *	78.2	41,700 *			75	76.2	21,100 *			77.3	12,700 *		
65	74.9	49,300	78.2	38,600 *	76.9	41,400 *			80	75.0	20,800 *			76.2	12,500 *		
70	73.4	44,400	76.7	37,200 *	75.6	40,900 *			85	73.8	20,600 *	79.5	16,500 *	75.1	12,300 *		
75	72.0	40,300	75.3	36,000 *	74.3	40,200 *	78.9	27,000 *	90	72.6	20,400 *	78.3	16,200 *	74.0	12,200 *		
80	70.6	36,800	73.8	34,800 *	73.0	37,400	77.6	26,000 *	95	71.4	20,000 *	77.0	16,000 *	72.9	11,900 *	79.6	8,900 *
85	69.1	33,700	72.3	33,700 *	71.7	34,300	76.2	25,100 *	100	70.2	19,500 *	75.8	15,700 *	71.8	11,500 *	78.4	8,800 *
90	67.6	31,000	70.8	32,100	70.4	31,600	74.9	24,300 *	105	68.9	19,100 *	74.5	15,500 *	70.6	11,200 *	77.3	8,600 *
95	66.1	28,700	69.3	29,700	69.0	29,200	73.5	23,500 *	110	67.7	18,600 *	73.2	15,300 *	69.5	10,900 *	76.1	8,400 *
100	64.6	26,500	67.7	27,500	67.7	27,100	72.1	22,800 *	115	66.4	18,200 *	71.9	15,100 *	68.3	10,600 *	74.9	8,300 *
105	63.1	24,700	66.2	25,500	66.3	25,200	70.7	22,200 *	120	65.1	17,900 *	70.6	14,900 *	67.2	10,300 *	73.7	8,100 *
110	61.5	23,000	64.6	23,800	64.9	23,500	69.3	21,600 *	125	63.8	17,500 *	69.3	14,700 *	66.0	10,100 *	72.5	8,000 *
115	59.9	21,400	63.0	22,200	63.5	21,900	67.8	21,000 *	130	62.5	17,200 *	67.9	14,400 *	64.8	9,800 *	71.3	7,800 *
120	58.3	20,000	61.3	20,700	62.1	20,500	66.4	20,400 *	135	61.2	16,800 *	66.5	14,000 *	63.6	9,600 *	70.0	7,700 *
125	56.7	18,800	59.6	19,400	60.6	19,200	64.9	19,900 *	140	59.9	16,500 *	65.1	13,700 *	62.4	9,400 *	68.8	7,600 *
130	55.0	17,600	57.9	18,200	59.2	18,000	63.4	19,200	145	58.5	15,700	63.7	13,400 *	61.2	9,200 *	67.5	7,500 *
135	53.3	16,500	56.2	17,000	57.7	17,000	61.8	18,100	150	57.1	14,800	62.3	13,100 *	59.9	9,000 *	66.2	7,400 *
140	51.6	15,500	54.4	16,000	56.1	16,000	60.3	17,000	155	55.7	14,000	60.8	12,800 *	58.7	8,800 *	64.9	7,300 *
145	49.8	14,600	52.5	15,100	54.6	15,000	58.7	16,000	160	54.2	13,200	59.3	12,500 *	57.4	8,600 *	63.6	7,200 *
150	47.9	13,800	50.6	14,200	53.0	14,200	57.0	15,100	165	52.8	12,500	57.8	12,300 *	56.1	8,400 *	62.3	7,100 *
155	46.0	13,000	48.7	13,300	51.4	13,400	55.4	14,300	170	51.3	11,900	56.2	12,000 *	54.7	8,200 *	60.9	7,000 *
160	44.0	12,200 *	46.6	12,600	49.7	12,600	53.6	13,500	175	49.7	11,200	54.6	11,800 *	53.4	8,100 *	59.5	6,900 *
165	42.0	11,200 *	44.5	11,800 *	48.0	11,900	51.9	12,700	180	48.1	10,700	53.0	11,300	52.0	7,900 *	58.1	6,800 *
170	39.8	10,300 *	42.3	10,900 *	46.3	11,300 *	50.0	12,000	185	46.5	10,100	51.3	10,700	50.6	7,800 *	56.6	6,700 *
175	37.6	9,400 *			44.5	10,500 *	48.1	11,400	190	44.8	9,500 *	49.5	10,200	49.2	7,600 *	55.1	6,700 *
180	35.2	8,500 *			42.6	9,700 *	46.2	10,800	195	43.1	8,800 *	47.7	9,600	47.7	7,500 *	53.6	6,600 *
185	32.7	7,700 *			40.6	8,900 *	44.1	10,200	200	41.3	8,200 *	45.8	9,100 *	46.2	7,400 *	52.0	6,500 *
190	30.0	6,800 *			38.6	8,200 *	42.0	9,300 *	205	39.5	7,500 *	43.8	8,400 *	44.7	7,300 *	50.3	6,500 *
195					36.5	7,500 *			210	37.5	6,900 *	41.7	7,700 *	43.1	7,200 *	48.7	6,400 *
200					34.2	6,800 *			215	35.5	6,200 *			41.4	6,900 *	46.9	6,400 *
205					31.8	6,000 *			220	33.3	5,600 *			39.7	6,400 *	45.1	6,400 *
									225	31.0	4,900 *			37.9	5,800 *	43.2	6,300 *
									230					36.0	5,300 *	41.2	6,300 *
									235					34.1	4,700 *		
									240					32.0	4,200 *		

180 ft Boom									180 ft Boom								
Load Radius (ft.)	40' Jib				60' Jib				Load Radius (ft.)	80' Jib				100' Jib			
	10° Offset		30° Offset		10° Offset		30° Offset			10° Offset		30° Offset		10° Offset		30° Offset	
	Boom Angle (deg.)	Rated Load (lbs.)	Boom Angle (deg.)	Rated Load (lbs.)	Boom Angle (deg.)	Rated Load (lbs.)	Boom Angle (deg.)	Rated Load (lbs.)		Boom Angle (deg.)	Rated Load (lbs.)	Boom Angle (deg.)	Rated Load (lbs.)	Boom Angle (deg.)	Rated Load (lbs.)	Boom Angle (deg.)	Rated Load (lbs.)
50	79.6	59,000 *							65	79.1	21,600 *			79.9	13,200 *		
55	78.3	59,000 *							70	77.9	21,400 *			78.8	13,000 *		
60	76.9	54,700							75	76.8	21,200 *			77.8	12,800 *		
65	75.6	48,800	78.8	39,100 *	77.5	41,500 *			80	75.6	20,900 *			76.7	12,600 *		
70	74.2	44,000	77.4	37,700 *	76.2	41,200 *			85	74.5	20,700 *	80.0	16,600 *	75.7	12,400 *		
75	72.9	39,900	76.0	36,500 *	75.0	40,500 *	79.4	27,400 *	90	73.3	20,500 *	78.8	16,300 *	74.6	12,200 *		
80	71.5	36,300	74.6	35,400 *	73.7	37,000	78.1	26,400 *	95	72.2	20,300 *	77.6	16,100 *	73.5	12,000 *	80.0	9,000 *
85	70.1	33,300	73.2	34,300 *	72.5	33,900	76.8	25,500 *	100	71.0	19,800 *	76.4	15,800 *	72.4	11,700 *	78.9	8,800 *
90	68.7	30,600	71.8	31,800	71.2	31,200	75.5	24,700 *	105	69.8	19,400 *	75.2	15,600 *	71.4	11,400 *	77.8	8,700 *
95	67.3	28,200	70.3	29,300	69.9	28,800	74.2	23,900 *	110	68.6	18,900 *	73.9	15,400 *	70.3	11,100 *	76.6	8,500 *
100	65.9	26,100	68.9	27,100	68.6	26,600	72.9	23,200 *	115	67.4	18,500 *	72.7	15,200 *	69.2	10,800 *	75.5	8,300 *
105	64.4	24,200	67.4	25,100	67.3	24,800	71.6	22,600 *	120	66.2	18,200 *	71.4	15,000 *	68.0	10,500 *	74.4	8,200 *
110	62.9	22,500	65.9	23,400	66.0	23,000	70.2	22,000 *	125	64.9	17,800 *	70.2	14,800 *	66.9	10,300 *	73.2	8,000 *
115	61.5	21,000	64.4	21,800	64.7	21,500	68.9	21,400 *	130	63.7	17,500 *	68.9	14,600 *	65.8	10,000 *	72.0	7,900 *
120	59.9	19,600	62.8	20,300	63.3	20,100	67.5	20,800 *	135	62.4	17,100 *	67.6	14,300 *	64.6	9,800 *	70.9	7,800 *
125	58.4	18,300	61.3	19,000	62.0	18,800	66.1	20,100	140	61.1	16,200	66.3	13,900 *	63.5	9,600 *	69.7	7,700 *
130	56.8	17,100	59.7	17,800	60.6	17,600	64.7	18,900	145	59.9	15,200	64.9	13,600 *	62.3	9,300 *	68.5	7,600 *
135	55.3	16,000	58.0	16,600	59.2	16,500	63.2	17,700	150	58.5	14,400	63.6	13,300 *	61.1	9,100 *	67.2	7,400 *
140	53.6	15,100	56.4	15,600	57.8	15,500	61.7	16,700	155	57.2	13,600	62.2	13,000 *	59.9	8,900 *	66.0	7,300 *
145	52.0	14,100	54.7	14,600	56.3	14,600	60.2	15,700	160	55.8	12,800	60.8	12,800 *	58.7	8,800 *	64.7	7,200 *
150	50.3	13,300	52.9	13,800	54.8	13,700	58.7	14,800	165	54.5	12,100	59.3	12,500 *	57.5	8,600 *	63.5	7,100 *
155	48.5	12,500	51.1	12,900	53.3	12,900	57.2	13,900	170	53.1	11,400	57.9	12,300	56.2	8,400 *	62.2	7,000 *
160	46.7	11,600 *	49.3	12,100	51.8	12,200	55.6	13,100	175	51.6	10,800	56.4	11,600	54.9	8,300 *	60.8	7,000 *
165	44.9	10,800 *	47.3	11,300 *	50.2	11,500	53.9	12,300	180	50.1	10,200	54.9	11,000	53.6	8,100 *	59.5	6,900 *
170	42.9	9,900 *	45.3	10,500 *	48.6	10,700 *	52.3	11,700	185	48.6	9,700	53.3	10,400	52.3	8,000 *	58.1	6,800 *
175	40.9	9,100 *	43.3	9,600 *	46.9	9,900 *	50.5	11,000	190	47.1	9,000 *	51.7	9,800	51.0	7,800 *	56.7	6,700 *
180	38.9	8,200 *	41.1	8,800 *	45.2	9,200 *	48.7	10,400	195	45.5	8,300 *	50.0	9,300	49.6	7,700 *	55.3	6,700 *
185	36.7	7,400 *			43.4	8,500 *	46.9	9,700 *	200	43.9	7,700 *	48.3	8,600 *	48.2	7,500 *	53.8	6,600 *
190	34.4	6,700 *			41.6	7,800 *	45.0	9,000 *	205	42.2	7,100 *	46.5	8,000 *	46.8	7,400 *	52.3	6,500 *
195	31.9	5,900 *			39.7	7,100 *	43.0	8,200 *	210	40.4	6,500 *	44.6	7,400 *	45.3	7,000 *	50.8	6,500 *
200					37.7	6,400 *	40.9	7,500 *	215	38.6	5,900 *	42.7	6,700 *	43.8	6,500 *	49.2	6,500 *
205					35.6	5,800 *			220	36.7	5,300 *	40.6	6,100 *	42.2	5,900 *	47.5	6,400 *
210					33.4	5,100 *			225	34.7	4,700 *			40.6	5,400 *	45.8	6,400 *
215					31.1	4,500 *											

CK1600 Jib Rated Loads

with 11 counterweights (116,820 lbs) and 2 carbody weights (22,050 lbs)

190 ft Boom									190 ft Boom								
Load Radius (ft.)	40' Jib				60' Jib				Load Radius (ft.)	80' Jib				100' Jib			
	10° Offset		30° Offset		10° Offset		30° Offset			10° Offset		30° Offset		10° Offset		30° Offset	
	Boom Angle (deg.)	Rated Load (lbs.)	Boom Angle (deg.)	Rated Load (lbs.)	Boom Angle (deg.)	Rated Load (lbs.)	Boom Angle (deg.)	Rated Load (lbs.)		Boom Angle (deg.)	Rated Load (lbs.)	Boom Angle (deg.)	Rated Load (lbs.)	Boom Angle (deg.)	Rated Load (lbs.)	Boom Angle (deg.)	Rated Load (lbs.)
50	80.0	53,100 *							65	79.5	21,700 *						
55	78.8	52,400 *							70	78.4	21,500 *			79.2	13,000 *		
60	77.5	51,600 *			79.1	42,000 *			75	77.3	21,200 *			78.2	12,800 *		
65	76.2	48,300 *	79.3	39,600 *	78.0	41,600 *			80	76.2	21,000 *			77.2	12,600 *		
70	74.9	43,600 *	78.0	38,200 *	76.8	41,300 *			85	75.1	20,800 *			76.2	12,500 *		
75	73.6	39,500 *	76.6	37,000 *	75.6	40,000 *	79.9	27,700 *	90	74.0	20,600 *	79.2	16,400 *	75.2	12,300 *		
80	72.3	36,000 *	75.3	35,900 *	74.4	36,600 *	78.6	26,800 *	95	72.8	20,400 *	78.1	16,200 *	74.1	12,100 *		
85	71.0	32,900 *	74.0	34,300 *	73.2	33,500 *	77.4	25,900 *	100	71.7	20,100 *	76.9	15,900 *	73.1	11,900 *	79.3	8,900 *
90	69.7	30,200 *	72.6	31,500 *	72.0	30,800 *	76.2	25,100 *	105	70.6	19,600 *	75.8	15,700 *	72.0	11,600 *	78.2	8,700 *
95	68.3	27,800 *	71.2	29,000 *	70.8	28,400 *	74.9	24,300 *	110	69.4	19,200 *	74.6	15,500 *	71.0	11,300 *	77.1	8,500 *
100	67.0	25,700 *	69.9	26,800 *	69.5	26,300 *	73.7	23,600 *	115	68.3	18,800 *	73.4	15,300 *	69.9	11,000 *	76.1	8,400 *
105	65.6	23,800 *	68.5	24,800 *	68.3	24,400 *	72.4	22,900 *	120	67.1	18,400 *	72.2	15,100 *	68.8	10,700 *	75.0	8,200 *
110	64.2	22,100 *	67.1	23,100 *	67.1	22,700 *	71.1	22,300 *	125	65.9	18,100 *	71.0	14,900 *	67.8	10,400 *	73.8	8,100 *
115	62.8	20,600 *	65.6	21,400 *	65.8	21,100 *	69.8	21,700 *	130	64.8	17,700 *	69.8	14,700 *	66.7	10,200 *	72.7	8,000 *
120	61.4	19,200 *	64.2	20,000 *	64.5	19,700 *	68.5	21,200 *	135	63.6	16,900 *	68.5	14,500 *	65.6	10,000 *	71.6	7,800 *
125	59.9	17,900 *	62.7	18,600 *	63.2	18,400 *	67.2	19,900 *	140	62.3	15,800 *	67.3	14,200 *	64.5	9,700 *	70.5	7,700 *
130	58.5	16,700 *	61.2	17,400 *	61.9	17,200 *	65.8	18,600 *	145	61.1	14,900 *	66.0	13,800 *	63.4	9,500 *	69.3	7,600 *
135	57.0	15,700 *	59.7	16,300 *	60.6	16,100 *	64.5	17,400 *	150	59.9	14,000 *	64.7	13,600 *	62.2	9,300 *	68.1	7,500 *
140	55.5	14,700 *	58.1	15,200 *	59.2	15,100 *	63.1	16,400 *	155	58.6	13,200 *	63.4	13,300 *	61.1	9,100 *	67.0	7,400 *
145	53.9	13,800 *	56.5	14,300 *	57.9	14,200 *	61.7	15,400 *	160	57.3	12,500 *	62.1	13,000 *	59.9	8,900 *	65.8	7,300 *
150	52.3	12,900 *	54.9	13,400 *	56.5	13,300 *	60.2	14,500 *	165	56.0	11,700 *	60.7	12,700 *	58.7	8,700 *	64.6	7,200 *
155	50.7	12,100 *	53.3	12,600 *	55.0	12,500 *	58.8	13,600 *	170	54.7	11,100 *	59.4	12,000 *	57.6	8,600 *	63.3	7,100 *
160	49.1	11,200 *	51.6	11,800 *	53.6	11,800 *	57.3	12,800 *	175	53.3	10,400 *	58.0	11,300 *	56.4	8,400 *	62.1	7,000 *
165	47.4	10,300 *	49.8	10,900 *	52.1	11,000 *	55.8	12,000 *	180	52.0	9,800 *	56.5	10,700 *	55.1	8,300 *	60.8	6,900 *
170	45.6	9,500 *	48.0	10,100 *	50.6	10,200 *	54.2	11,300 *	185	50.6	9,200 *	55.1	10,100 *	53.9	8,100 *	59.5	6,900 *
175	43.8	8,700 *	46.1	9,300 *	49.1	9,500 *	52.6	10,700 *	190	49.1	8,500 *	53.6	9,500 *	52.6	8,000 *	58.2	6,800 *
180	41.9	8,000 *	44.2	8,500 *	47.5	8,800 *	51.0	10,000 *	195	47.6	7,900 *	52.0	8,900 *	51.3	7,800 *	56.9	6,700 *
185	40.0	7,200 *	42.2	7,700 *	45.9	8,100 *	49.3	9,400 *	200	46.1	7,300 *	50.5	8,300 *	50.0	7,700 *	55.5	6,700 *
190	37.9	6,500 *	40.0	7,000 *	44.2	7,400 *	47.6	8,700 *	205	44.6	6,700 *	48.8	7,600 *	48.7	7,100 *	54.1	6,600 *
195	35.8	5,700 *			42.5	6,800 *	45.7	8,000 *	210	43.0	6,100 *	47.1	7,000 *	47.3	6,600 *	52.7	6,500 *
200	33.6	5,000 *			40.7	6,100 *	43.9	7,300 *	215	41.3	5,600 *	45.4	6,400 *	45.9	6,100 *	51.2	6,500 *
205	31.1	4,300 *			38.8	5,500 *	41.9	6,600 *	220	39.6	5,000 *	43.6	5,900 *	44.4	5,500 *	49.7	6,500 *
210					36.9	4,900 *			225	37.8	4,500 *	41.7	5,300 *	42.9	5,000 *	48.1	6,100 *
215					34.9	4,300 *			230					41.4	4,600 *	46.5	5,600 *
									235					39.8	4,100 *	44.8	5,100 *
									240							43.0	4,600 *
									245							41.2	4,100 *

200 ft Boom									200 ft Boom								
Load Radius (ft.)	40' Jib				60' Jib				Load Radius (ft.)	80' Jib				100' Jib			
	10° Offset		30° Offset		10° Offset		30° Offset			10° Offset		30° Offset		10° Offset		30° Offset	
	Boom Angle (deg.)	Rated Load (lbs.)	Boom Angle (deg.)	Rated Load (lbs.)	Boom Angle (deg.)	Rated Load (lbs.)	Boom Angle (deg.)	Rated Load (lbs.)		Boom Angle (deg.)	Rated Load (lbs.)	Boom Angle (deg.)	Rated Load (lbs.)	Boom Angle (deg.)	Rated Load (lbs.)	Boom Angle (deg.)	Rated Load (lbs.)
55	79.2	46,200 *							65	79.8	21,800 *						
60	78.0	45,500 *							70	78.8	21,600 *			79.6	13,100 *		
65	76.8	44,700 *	79.7	40,000 *	78.4	41,700 *			75	77.7	21,300 *			78.6	12,900 *		
70	75.6	42,900 *	78.5	38,700 *	77.3	41,400 *			80	76.7	21,100 *			77.6	12,700 *		
75	74.3	39,100 *	77.2	37,500 *	76.2	39,200 *			85	75.6	20,900 *			76.7	12,500 *		
80	73.1	35,700 *	76.0	36,400 *	75.0	35,900 *	79.1	27,100 *	90	74.6	20,700 *	79.6	16,500 *	75.7	12,400 *		
85	71.8	32,600 *	74.7	33,800 *	73.9	33,000 *	77.9	26,200 *	95	73.5	20,500 *	78.5	16,200 *	74.7	12,200 *		
90	70.6	30,000 *	73.4	31,100 *	72.7	30,400 *	76.7	25,400 *	100	72.4	20,300 *	77.4	16,000 *	73.7	12,100 *	79.7	8,900 *
95	69.3	27,600 *	72.1	28,800 *	71.6	28,100 *	75.5	24,700 *	105	71.3	19,900 *	76.3	15,800 *	72.7	11,700 *	78.6	8,700 *
100	68.0	25,500 *	70.8	26,600 *	70.4	26,000 *	74.3	24,000 *	110	70.2	19,500 *	75.2	15,600 *	71.6	11,400 *	77.6	8,600 *
105	66.7	23,600 *	69.5	24,600 *	69.2	24,100 *	73.1	23,300 *	115	69.1	19,100 *	74.0	15,400 *	70.6	11,100 *	76.6	8,400 *
110	65.4	21,800 *	68.1	22,800 *	68.0	22,400 *	71.9	22,700 *	120	68.0	18,700 *	72.9	15,200 *	69.6	10,900 *	75.5	8,300 *
115	64.0	20,300 *	66.8	21,200 *	66.8	20,800 *	70.7	22,100 *	125	66.9	18,300 *	71.7	15,000 *	68.6	10,600 *	74.4	8,200 *
120	62.7	18,900 *	65.4	19,700 *	65.6	19,400 *	69.4	21,000 *	130	65.7	17,700 *	70.6	14,800 *	67.5	10,400 *	73.4	8,000 *
125	61.3	17,600 *	64.0	18,400 *	64.3	18,100 *	68.2	19,600 *	135	64.6	16,600 *	69.4	14,600 *	66.5	10,100 *	72.3	7,900 *
130	60.0	16,400 *	62.6	17,200 *	63.1	16,900 *	66.9	18,400 *	140	63.4	15,600 *	68.2	14,400 *	65.4	9,900 *	71.2	7,800 *
135	58.5	15,400 *	61.1	16,000 *	61.8	15,800 *	65.6	17,200 *	145	62.3	14,600 *	67.0	14,100 *	64.3	9,700 *	70.1	7,700 *
140	57.1	14,400 *	59.7	15,000 *	60.5	14,800 *	64.3	16,100 *	150	61.1	13,800 *	65.8	13,800 *	63.2	9,500 *	69.0	7,600 *
145	55.7	13,400 *	58.2	14,000 *	59.3	13,900 *	63.0	15,100 *	155	59.9	12,900 *	64.5	13,500 *	62.2	9,300 *	67.9	7,500 *
150	54.2	12,500 *	56.7	13,100 *	57.9	13,000 *	61.6	14,200 *	160	58.6	12,200 *	63.3	13,200 *	61.0	9,100 *	66.7	7,400 *
155	52.7	11,600 *	55.2	12,300 *	56.6	12,100 *	60.2	13,400 *	165	57.4	11,500 *	62.0	12,500 *	59.9	8,900 *	65.6	7,300 *
160	51.1	10,800 *	53.6	11,400 *	55.2	11,300 *	58.8	12,600 *	170	56.2	10,800 *	60.7	11,700 *	58.8	8,700 *	64.4	7,200 *
165	49.6	9,900 *	52.0	10,600 *	53.9	10,500 *	57.4	11,800 *	175	54.9	10,100 *	59.4	11,100 *	57.6	8,600 *	63.2	7,100 *
170	48.0	9,100 *	50.3	9,700 *	52.5	9,800 *	56.0	11,100 *	180	53.6	9,400 *	58.1	10,400 *	56.5	8,400 *	62.0	7,000 *
175	46.3	8,400 *	48.6	9,000 *	51.0	9,100 *	54.5	10,400 *	185	52.3	8,800 *	56.7	9,800 *	55.3	8,300 *	60.8	6,900 *
180	44.6	7,700 *	46.8	8,200 *	49.6	8,400 *	53.0	9,700 *	190	50.9	8,100 *	55.3	9,200 *	54.1	8,100 *	59.5	6,900 *
185	42.8	6,900 *	45.0	7,500 *	48.1	7,700 *	51.4	9,000 *	195	49.5	7,500 *	53.9	8,500 *	52.9	7,800 *	58.3	6,800 *
190	41.0	6,300 *	43.1	6,800 *	46.5	7,000 *	49.8	8,300 *	200	48.1	6,900 *	52.4	7,900 *	51.6	7,200 *	57.0	6,700 *
195	39.1	5,600 *	41.1	6,100 *	44.9	6,400 *	48.1	7,700 *	205	46.7	6,400 *	50.9	7,300 *	50.4	6,700 *	55.7	6,700 *
200	37.1	4,900 *			43.3	5,800 *	46.4	7,000 *	210	45.2	5,800 *	49.3	6,700 *	49.1	6,200 *	54.3	6,600 *
205	35.0	4,200 *			41.6	5,200 *	44.7	6,400 *	215	43.7	5,300 *	47.7	6,200 *	47.8	5,700 *	53.0	6,500 *
210					39.9	4,700 *	42.8	5,700 *	220	42.1	4,700 *	46.1	5,600 *	46.4	5,200 *	51.5	6,300 *
215					38.0	4,100 *	40.9	5,									