



## LIFTING CHARTS - Crawler Cranes

### KOBELCO MODEL CK1600-II - 160 TON CAPACITY

#### Jib Rated Loads

with 11 counterweights (116,840 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						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 *		

# STERLING CRANE

## Jib Rated Loads

with 11 counterweights (116,840 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 *			79.5	42,300 *			65	74.9	20,900 *			76.4	12,600 *		
46	76.2	58,900 *			78.8	42,100 *			70	73.3	20,600 *			75.0	12,400 *		
48	75.4	58,400 *			78.1	41,900 *			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	14,100 *	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	37.7	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 *	43.6	15,800 *	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 *		

# STERLING CRANE

## Jib Rated Loads

with 11 counterweights (116,840 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 *					85	70.6	19,700 *	77.3	16,100 *	72.4	11,800 *		
60	73.0	56,400	77.0	37,600 *					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 *		

# STERLING CRANE

## Jib Rated Loads

with 11 counterweights (116,840 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 *							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	16,300 *	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 *		

# STERLING CRANE

## Jib Rated Loads

with 11 counterweights (116,840 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 *							75	76.2	21,100 *			77.3	12,700 *		
65	74.9	49,300 *							80	75.0	20,800 *			76.2	12,500 *		
70	73.4	44,400 *							85	73.8	20,600 *	79.5	16,500 *	75.1	12,300 *		
75	72.0	40,300 *	79.6	40,000 *				78.9	27,000 *	90	72.6	20,400 *	78.3	16,200 *	74.0	12,200 *	
80	70.6	36,800 *	78.2	38,600 *					95	71.4	20,000 *	77.0	16,000 *	72.9	11,900 *	79.6	8,900 *
85	69.1	33,700 *	76.7	37,200 *					100	70.2	19,500 *	75.8	15,700 *	71.8	11,500 *	78.4	8,800 *
90	67.6	31,000 *	75.3	36,000 *					105	68.9	19,100 *	74.5	15,500 *	70.6	11,200 *	77.3	8,600 *
95	66.1	28,700 *	74.3	40,200 *					110	67.7	18,600 *	73.2	15,300 *	69.5	10,900 *	76.1	8,400 *
100	64.6	26,500 *	73.8	34,800 *					115	66.4	18,200 *	71.9	15,100 *	68.3	10,600 *	74.9	8,300 *
105	63.1	24,700 *	72.3	33,700 *					120	65.1	17,900 *	70.6	14,900 *	67.2	10,300 *	73.7	8,100 *
110	61.5	23,000 *	70.8	32,100 *					125	63.8	17,500 *	69.3	14,700 *	66.0	10,100 *	72.5	8,000 *
115	59.9	21,400 *	69.3	29,700 *					130	62.5	17,200 *	67.9	14,400 *	64.8	9,800 *	71.3	7,800 *
120	58.3	20,000 *	67.7	27,500 *					135	61.2	16,800 *	66.5	14,000 *	63.6	9,600 *	70.0	7,700 *
125	56.7	18,800 *	66.2	25,500 *					140	59.9	16,500 *	65.1	13,700 *	62.4	9,400 *	68.8	7,600 *
130	55.0	17,600 *	64.6	23,800 *					145	58.5	15,700 *	63.7	13,400 *	61.2	9,200 *	67.5	7,500 *
135	53.3	16,500 *	63.0	22,200 *					150	57.1	14,800 *	62.3	13,100 *	59.9	9,000 *	66.2	7,400 *
140	51.6	15,500 *	61.3	20,700 *					155	55.7	14,000 *	60.8	12,800 *	58.7	8,800 *	64.9	7,300 *
145	49.8	14,600 *	59.9	19,400 *					160	54.2	13,200 *	59.3	12,500 *	57.4	8,600 *	63.6	7,200 *
150	47.9	13,800 *	57.9	18,200 *					165	52.8	12,500 *	57.8	12,300 *	56.1	8,400 *	62.3	7,100 *
155	46.0	13,000 *	56.2	17,000 *					170	51.3	11,900 *	56.2	12,000 *	54.7	8,200 *	60.9	7,000 *
160	44.0	12,200 *	54.4	16,000 *					175	49.7	11,200 *	54.6	11,800 *	53.4	8,100 *	59.5	6,900 *
165	42.0	11,200 *	52.5	15,100 *					180	48.1	10,700 *	53.0	11,300 *	52.0	7,900 *	58.1	6,800 *
170	39.8	10,300 *	50.6	14,200 *					185	46.5	10,100 *	51.3	10,700 *	50.6	7,800 *	56.6	6,700 *
175	37.6	9,400 *	48.7	13,300 *					190	44.8	9,500 *	49.5	10,200 *	49.2	7,600 *	55.1	6,700 *
180	35.2	8,500 *	46.6	12,600 *					195	43.1	8,800 *	47.7	9,600 *	47.7	7,500 *	53.6	6,600 *
185	32.7	7,700 *	44.5	11,800 *					200	41.3	8,200 *	45.8	9,100 *	46.2	7,400 *	52.0	6,500 *
190	30.0	6,800 *	42.3	10,900 *					205	39.5	7,500 *	43.8	8,400 *	44.7	7,300 *	50.3	6,500 *
195			40.6	8,900 *					210	37.5	6,900 *	41.7	7,700 *	43.1	7,200 *	48.7	6,400 *
200			38.6	8,200 *					215	35.5	6,200 *			41.4	6,900 *	46.9	6,400 *
205			36.5	7,500 *					220	33.3	5,600 *			39.7	6,400 *	45.1	6,400 *
			34.2	6,800 *					225	31.0	4,900 *			37.9	5,800 *	43.2	6,300 *
			31.8	6,000 *					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 *							80	75.6	20,900 *			76.7	12,600 *		
70	74.2	44,000 *	77.4	37,700 *					85	74.5	20,700 *	80.0	16,600 *	75.7	12,400 *		
75	72.9	39,900 *	77.5	41,500 *					90	73.3	20,500 *	78.8	16,300 *	74.6	12,200 *		
80	71.5	36,300 *	77.5	41,500 *					95	72.2	20,300 *	77.6	16,100 *	73.5	12,000 *	80.0	9,000 *
85	70.1	33,300 *	77.4	37,700 *					100	71.0	19,800 *	76.4	15,800 *	72.4	11,700 *	78.9	8,800 *
90	68.7	30,600 *	77.4	37,700 *					105	69.8	19,400 *	75.2	15,600 *	71.4	11,400 *	77.8	8,700 *
95	67.3	28,200 *	76.0	36,500 *					110	68.6	18,900 *	73.9	15,400 *	70.3	11,100 *	76.6	8,500 *
100	65.9	26,100 *	74.6	35,400 *					115	67.4	18,500 *	72.7	15,200 *	69.2	10,800 *	75.5	8,300 *
105	64.4	24,200 *	73.2	34,300 *					120	66.2	18,200 *	71.4	15,000 *	68.0	10,500 *	74.4	8,200 *
110	62.9	22,500 *	71.8	31,800 *					125	64.9	17,800 *	70.2	14,800 *	66.9	10,300 *	73.2	8,000 *
115	61.5	21,000 *	70.3	29,300 *					130	63.7	17,500 *	68.9	14,600 *	65.8	10,000 *	72.0	7,900 *
120	59.9	19,600 *	68.9	27,100 *					135	62.4	17,100 *	67.6	14,300 *	64.6	9,800 *	70.9	7,800 *
125	58.4	18,300 *	67.4	25,100 *					140	61.1	16,200 *	66.3	13,900 *	63.5	9,600 *	69.7	7,700 *
130	56.8	17,100 *	66.0	23,400 *					145	59.9	15,200 *	64.9	13,600 *	62.3	9,300 *	68.5	7,600 *
135	55.3	16,000 *	64.4	21,800 *					150	58.5	14,400 *	63.6	13,300 *	61.1	9,100 *	67.2	7,400 *
140	53.6	15,100 *	62.8	20,300 *					155	57.2	13,600 *	62.2	13,000 *	59.9	8,900 *	66.0	7,300 *
145	52.0	14,100 *	61.3	19,000 *					160	55.8	12,800 *	60.8	12,800 *	58.7	8,800 *	64.7	7,200 *
150	50.3	13,300 *	59.7	17,800 *					165	54.5	12,100 *	59.3	12,500 *	57.5	8,600 *	63.5	7,100 *
155	48.5	12,500 *	58.0	16,600 *					170	53.1	11,400 *	57.9	12,300 *	56.2	8,400 *	62.2	7,000 *
160	46.7	11,600 *	56.4	15,600 *					175	51.6	10,800 *	56.4	11,600 *	54.9	8,300 *	60.8	7,000 *
165	44.9	10,800 *	54.7	14,600 *					180	50.1	10,200 *	54.9	11,000 *	53.6	8,100 *	59.5	6,900 *
170	42.9	9,900 *	52.9	13,800 *					185	48.6	9,700 *	53.3	10,400 *	52.3	8,000 *	58.1	6,800 *
175	40.9	9,100 *	51.1	12,900 *					190	47.1	9,000 *	51.7	9,800 *	51.0	7,800 *	56.7	6,700 *
180	38.9	8,200 *	49.3	12,100 *					195	45.5	8,300 *	50.0	9,300 *	49.6	7,700 *	55.3	6,700 *
185	36.7	7,400 *	47.3	11,300 *					200	43.9	7,700 *	48.3	8,600 *	48.2	7,500 *	53.8	6,600 *
190	34.4	6,700 *	45.3	10,500 *					205	42.2	7,100 *	46.5	8,000 *	46.8	7,400 *	52.3	6,500 *
195	31.9	5,900 *	43.3	9,600 *					210	40.4	6,500 *	44.6	7,400 *	45.3	7,000 *	50.8	6,500 *
200			41.1	8,800 *					215	38.6	5,900 *	42.7	6,700 *	43.8	6,500 *	49.2	6,500 *
205			48.6	10,700 *					220	36.7	5,300 *	40.6	6,100 *	42.2	5,900 *	47.5	6,400 *
210			46.9	9,900 *					225	34.7	4,700 *			40.6	5,400 *	45.8	6,400 *
215			45.2	9,200 *					230	32.6	4,100 *			38.9	4,900 *	44.0	5,900 *
			43.4	8,500 *					235					37.2	4,400 *	42.1	5,400 *
			41.6	7,800 *					240							40.2	4,800 *
			39.7	7,100 *													
			37.7	6,400 *													
			35.6	5,800 *													
			33.4	5,100 *													
			31.1	4,500 *													

