



Boom Length: Feet	Oper. Radius: Feet	Boom Angle: Deg. (A)	Capacity: Crawlers Retracted (B)	Parts of Line	Capacity: Crawlers Extended (C)	Parts of Line
70	17	79.0	275,000	10	300,000	12
	18	78.2	248,000	9	282,900	10
	20	76.5	206,900	9	253,500	10
	24	73.1	154,800	7	184,800	7
	28	69.7	123,100	5	144,800	6
	32	66.1	101,700	4	118,600	5
	36	62.5	86,400	4	100,100	4
	40	58.7	74,900	3	86,300	4
	50	48.6	55,600	3	63,700	3
	60	36.4	43,600	2	49,800	2
80	70	18.6	35,500	2	40,500	2
	17	80.4	274,700	10	292,500	10
	18	79.7	247,600	9	281,600	10
	20	78.2	206,500	8	252,600	9
	24	75.3	154,300	6	184,400	7
	28	72.3	122,500	5	144,300	6
	32	69.3	101,200	4	118,100	5
	36	66.2	85,900	4	99,600	4
	40	63.0	74,300	3	85,800	4
	50	54.6	55,000	2	63,100	3
90	60	45.2	43,000	2	49,200	2
	70	34.0	34,900	2	39,900	2
	80	17.4	29,000	2	33,200	2
	17	81.5	256,000	9	267,000	10
	18	80.8	247,400	9	262,000	10
	20	79.5	206,200	8	240,000	9
	24	76.9	154,000	6	184,200	7
	28	74.3	122,200	5	144,100	6
	32	71.7	100,900	4	117,800	5
	36	68.9	85,500	3	99,200	4
100	40	66.2	74,000	3	85,500	3
	50	59.0	54,600	2	62,700	3
	60	51.2	42,700	2	48,900	2
	70	42.5	34,500	2	39,600	2
	80	32.0	28,600	2	32,900	2
	90	16.4	24,200	1	27,800	1
	19	81.2	224,600	8	243,000	8
	20	80.6	205,800	8	228,000	8
	24	78.3	153,500	6	183,800	7
	28	75.9	121,800	5	143,600	6
110	32	73.5	100,400	4	117,300	5
	36	71.1	85,000	3	98,800	4
	40	68.7	73,400	3	85,000	3
	50	62.4	54,100	2	62,200	3
	60	55.7	42,100	2	48,300	2
	70	48.4	33,900	2	39,000	2
	80	40.2	28,000	1	32,300	2
	90	30.3	23,600	1	27,200	1
	100	15.6	20,100	1	23,300	1
	20	81.5	205,500	7	215,500	7
120	24	79.3	153,200	6	183,500	7
	28	77.2	121,400	5	143,300	6
	32	75.1	100,000	4	117,000	5
	36	72.9	84,600	3	98,400	4
	40	70.7	73,100	3	84,600	3
	50	65.1	53,700	2	61,800	3
	60	59.2	41,700	2	47,900	2
	70	52.9	33,500	2	38,600	2
	80	46.1	27,600	1	31,900	2
	90	38.3	23,200	1	26,800	1
130	100	28.9	19,700	1	22,900	1
	105	22.9	18,200	1	21,200	1
	22	81.2	175,500	6	193,400	6
	24	80.2	153,000	6	183,400	6
	28	78.3	121,100	5	143,100	5
	32	76.3	99,700	4	116,800	4
	36	74.4	84,400	3	98,200	4
	40	72.4	72,800	3	84,300	3
	50	67.3	53,400	2	61,500	3
	60	62.0	41,400	2	47,600	2
140	70	56.4	33,200	2	38,300	2
	80	50.5	27,300	1	31,600	2
	90	44.0	22,800	1	26,500	1
	100	36.6	19,300	1	22,600	1
	110	27.6	16,500	1	19,400	1
	115	21.9	15,300	1	18,000	1
	24	81.0	152,600	6	181,300	6
	28	79.1	120,800	5	142,800	6
	32	77.4	99,400	4	116,400	4
	36	75.6	84,000	4	97,800	4
150	40	73.8	72,400	3	84,000	3
	50	69.1	53,000	2	61,100	3
	60	64.3	41,000	2	47,200	2
	70	59.3	32,800	2	37,900	2
	80	54.0	26,900	1	31,200	2
	90	48.4	22,400	1	26,100	1
	100	42.2	18,900	1	22,100	1
	110	35.1	16,100	1	19,000	1
	120	26.5	13,800	1	16,400	1
	125	21.0	12,800	1	15,200	1

Boom Length: Feet	Oper. Radius: Feet	Boom Angle: Deg. (A)	Capacity: Crawlers Retracted (B)	Parts of Line	Capacity: Crawlers Extended (C)	Parts of Line
140	26	80.8	134,500	5	160,200	5
	28	80.0	120,300	5	142,400	5
	32	78.3	98,900	4	116,000	5
	36	76.6	83,500	3	97,300	4
	40	75.0	71,900	3	83,500	3
	50	70.7	52,400	2	60,600	3
	60	66.3	40,400	2	46,700	2
	70	61.7	32,200	2	37,300	2
	80	57.0	26,300	1	30,600	2
	90	51.9	21,800	1	25,500	1
150	100	46.5	18,300	1	21,600	1
	110	40.6	15,500	1	18,400	1
	120	33.8	13,200	1	15,800	1
	130	25.5	11,300	1	13,600	1
	135	20.3	10,400	1	12,700	1
	26	81.4	134,100	5	159,800	5
	28	80.7	119,900	5	142,000	5
	32	79.1	98,500	4	115,600	4
	36	77.6	83,100	3	96,900	4
	40	76.0	71,400	3	83,100	3
160	50	72.0	52,000	2	60,200	3
	60	67.9	40,000	2	46,300	2
	70	63.8	31,800	2	36,900	2
	80	59.4	25,900	1	30,200	2
	90	54.9	21,400	1	25,100	1
	100	50.0	17,900	1	21,100	1
	110	44.9	15,100	1	17,900	1
	120	39.1	12,700	1	15,300	1
	130	32.6	10,800	1	13,200	1
	140	24.6	9,100	1	11,300	1
170	145	19.6	8,400	1	10,500	1
	28	81.3	119,600	5	141,700	5
	32	79.8	98,100	5	115,300	5
	36	78.3	82,700	4	96,600	4
	40	76.9	71,100	3	82,800	3
	50	73.2	51,600	3	59,900	3
	60	69.4	39,600	2	45,900	2
	70	65.5	31,400	2	36,600	2
	80	61.5	25,500	1	29,800	2
	90	57.3	21,000	1	24,700	1
180	100	53.0	17,500	1	20,800	1
	110	48.3	14,700	1	17,600	1
	120	43.4	12,400	1	15,000	1
	130	37.9	10,400	1	12,800	1
	140	31.6	8,800	1	10,900	1
	150	23.9	7,300	1	9,400	1
	155	18.9	6,700	1	8,600	1
	30	81.1	107,500	4	126,900	4
	32	80.4	97,700	4	114,900	4
	36	79.0	82,300	3	96,200	4
190	40	77.7	70,700	3	82,400	3
	50	74.2	51,200	2	59,500	2
	60	70.1	39,200	2	45,500	2
	70	67.0	31,000	2	36,100	2
	80	63.3	25,100	1	29,400	2
	90	59.5	20,600	1	24,300	1
	100	55.5	17,100	1	20,300	1
	110	51.3	14,200	1	17,100	1
	120	46.8	11,900	1	14,500	1
	130	42.0	10,000	1	12,300	1
200	140	36.7	8,300	1	10,500	1
	150	30.6	6,900	1	8,900	1
	160	23.1	5,700	1	7,500	1
	165	18.4	5,100	1	6,900	1
	32	80.9	97,300	4	114,500	4
	36	79.7	81,800	4	95,800	4
	40	78.4	70,200	3	81,900	3
	50	75.1	50,700	2	59,000	3
	60	71.8	38,600	2	45,000	2
	70	68.4	30,400	2	35,600	2
210	80	64.9	24,500	1	28,800	2
	90	61.3	20,000	1	23,700	1
	100	57.6	16,500	1	19,800	1
	110	53.8	13,700	1	16,600	1
	120	49.7	11,300	1	14,000	1
	130	45.4	9,400	1	11,800	1
	140	40.8	7,700	1	9,900	1
	150	35.6	6,300	1	8,300	1
	160	29.7	5,100	1	7,000	1
	170	22.5	4,000	1	5,800	1
220	175	17.9	3,500	1	5,200	1

Boom Length: Feet	Oper. Radius: Feet	Boom Angle: Deg. (A)	Capacity: Crawlers Retracted (B)	Parts of Line	Capacity: Crawlers Extended (C)	Parts of Line
190	32	81.4	96,900	4	114,100	4
	36	80.2	81,400	3	95,400	4
	40	79.0	69,700	3	81,500	3
	50	75.9	50,200	2	58,500	3
	60	72.8	38,200	2	44,600	2
	70	69.6	30,000	2	35,100	2
	80	66.3	24,000	1	28,400	1
	90	63.0	19,600	1	23,300	1
	100	59.5	16,000	1	19,300	1
	110	56.0	13,200	1	16,100	1
	120	52.2	10,900	1	13,500	1
	130	48.3	8,900	1	11,300	1
	140	44.1	7,300	1	9,500	1
	150	39.6	5,800	1	7,900	1
	160	34.6	4,600	1	6,500	1
	170	28.9	3,500	1	5,300	1
180	21.9	2,600	1	4,200	1	
185	17.4	2,100	1	3,700	1	
200	34	81.3	88,200	3	97,500	3
	36	81.0	81,000	3	95,000	3
	40	79.5	69,400	3	81,100	3
	50	76.6	49,900	2	58,200	2
	60	73.6	37,800	2	44,200	2
	70	70.6	29,600	2	34,800	2
	80	67.6	23,600	1	28,000	1
	90	64.4	19,200	1	22,900	1
	100	61.2	15,600	1	18,900	1
	110	57.9	12,800	1	15,700	1
	120	54.4	10,500	1	13,100	1
	130	50.8	8,500	1	10,900	1
	140	47.0	6,900	1	9,100	1
	150	43.0	5,400	1	7,500	1
	160	38.6	4,200	1	6,100	1
	170	33.7	3,100	1	4,900	1
180	28.2	2,200	1	3,800	1	
185	25.0	1,700	1	3,300	1	
190	21.3	—	—	2,900	1	
210	36	81.1	80,600	3	94,600	3
	40	80.0	68,900	3	80,700	3
	50	77.3	49,400	2	57,700	2
	60	74.4	37,300	2	43,700	2
	70	71.6	29,100	2	34,300	2
	80	68.7	23,200	1	27,500	1
	90	65.7	18,700	1	22,400	1
	100	62.7	15,200	1	18,500	1
	110	59.6	12,300	1	15,300	1
	120	56.4	10,000	1	12,600	1
	130	53.0	8,000	1	10,400	1
	140	49.5	6,400	1	8,500	1
	150	45.8	5,000	1	7,000	1
	160	41.9	3,700	1	5,600	1
	170	37.6	2,600	1	4,400	1
	180	32.9	1,700	1	3,300	1
190	27.5	—	—	2,400	1	
220	38	81.0	73,900	3	86,800	3
	40	80.5	68,500	3	80,300	3
	50	77.8	48,900	2	57,300	2
	60	75.2	36,800	2	43,200	2
	70	72.5	28,600	2	33,800	2
	80	69.7	22,700	1	27,000	1
	90	66.9	18,200	1	21,900	1
	100	64.0	14,600	1	17,900	1
	110	61.1	11,800	1	14,700	1
	120	58.1	9,500	1	12,100	1
	130	55.0	7,500	1	9,900	1
	140	51.7	5,800	1	8,000	1
	150	48.3	4,400	1	6,500	1
	160	44.7	3,200	1	5,100	1
	170	40.9	2,100	1	3,900	1
	175	38.9	1,600	1	3,300	1
180	36.7	—	—	2,800	1	
190	32.1	—	—	1,800	1	

NO. 22 BOOM RANGE DIAGRAM

The radii shown are for the horizontal distances to the center of the lower boom point sheaves. Actual operating radius, which may vary slightly, is the horizontal distance from the center of rotation to the centerline of gravity of a freely suspended load.

NO. 22 BOOM NO. 124 JIB

NO. 22 BOOM NO. 123 JIB

MAXIMUM OFFSET BOOM

MAXIMUM JIB OFFSET

JIB LENGTHS

BOOM LENGTH

ROTATION

OPERATING RADIUS