

Liftcrane Boom Capacities

M-1200

Boom No. 75A
Mast No. 75 or No. 75A
60 ft RINGER Attachment on Screw Jack Pedestals
52,000 lb Crane Counterweight
1,577,600 lb Auxiliary Counterweight
RINGER on Barge - 360 Degree Rating
0 Degree thru 1 Degree Static Machine List

LIFTING CAPACITIES: Lifting capacities are for a RINGER when operating on a barge. Machine shall be positively secured to prevent shifting. Lifting capacities for various boom lengths and operating radii are for freely suspended loads and do not exceed 75% of a static tipping load. Capacities based on structural competence are denoted by an asterisk (*).

Upper boom point capacity for liftcrane service with 6 part line is 180,000 lb. In all cases, upper boom point capacities cannot exceed those listed for main boom capacity. Upper boom point minimum operating radii will be restricted with boom at maximum angle.

Weight of all load blocks, hooks, slings, hoist lines, etc., beneath boom point sheaves, is considered part of main boom load. Boom is not to be lowered beyond radii where combined weights are greater than rated capacity. Where no capacity is shown, operation is not intended or approved.

OPERATING CONDITIONS: Machine to operate on a firm uniformly supporting surface with roller path properly supported and machine list and trim not to exceed degrees noted with exception of 0 degree machine list which must not exceed 1 1/4 in. in 60 ft. Refer to Boom Rigging **No. 173398** or **No. 177315** and Wire Rope Specification chart **No. 7683-C**. Crane operator judgment must be used to allow for dynamic load effects of swinging, hoisting or lowering, wind conditions, as well as adverse operating conditions and physical machine depreciation.

WIND CONDITIONS: Machine may be operated in winds up to 30 mph provided crane operator judgment is used to allow for wind effect on lifted load and other considerations noted on capacity chart are followed. Wind will have a considerable effect on a load with a large "sail area" and must be compensated for accordingly by reducing load ratings, reducing operating speeds or by a combination of both. Recommend stopping operation and lowering boom to approximately 75 degree boom angle when wind exceeds 30 mph. Lower boom to barge deck when wind is above 50 mph.

OPERATING RADIUS: Operating radius is horizontal distance from axis of rotation at barge deck to center of vertical hoist line or load block. Boom angle is angle between horizontal and centerline of boom butt and inserts, and is an indication of operating radius. In all cases, operating radius shall govern capacity.

BOOM POINT ELEVATION: Boom point elevation is vertical distance from barge deck to centerline of boom point shaft.

MACHINE EQUIPMENT: Machine equipped with 60 ft RINGER attachment, 30 ft 9 in. crawlers, 48 in. treads, 28 ft retractable gantry, 150 ft No. 75 mast with 20 part or 32 part boom hoist reeving or No. 75A mast with 32 part boom hoist reeving, strap boom pendants, 52,000 lb crane counterweight and 1,577,600 lb auxiliary counterweight.

Maximum Boom Lengths Lifted Unassisted		
List	Trim	Boom Length
0 Degree	0 Degree	400 ft
1/2 Degree	1/2 Degree	325 ft
1/2 Degree	1-1/2 Degree	325 ft
1 Degree	1 Degree	225 ft
Load blocks on barge deck at start.		

Deduct 5,400 lb from capacities when upper boom point is attached.

Jib and all jib hardware must be removed for use of this chart.

Warning: Confirm quantity of auxiliary counterweight installed on machine before use of this chart.

Oper. Radius Feet	Boom Angle Deg.	Boom Point Elev. Feet	0 Degree List Boom Capacity Pounds	1/2 Degree List 1/2 Degree Trim Boom Capacity Pounds	1/2 Degree List 1-1/2 Degree Trim Boom Capacity Pounds	1 Degree List 1 Degree Trim Boom Capacity Pounds	Oper. Radius Feet
150.0 ft Boom							
55	80.7	159.0	1,800,000 *	1,586,100 *		1,371,100 *	55
60	78.7	158.0	1,800,000 *	1,503,300 *	1,503,300 *	1,300,400 *	60
65	76.8	156.9	1,800,000 *	1,385,500 *	1,385,500 *	1,197,000 *	65
70	74.8	155.5	1,764,000 *	1,284,500 *	1,284,500 *	1,108,400 *	70
75	72.8	154.0	1,659,400	1,196,900 *	1,196,900 *	1,031,600 *	75
80	70.8	152.2	1,494,800	1,120,300 *	1,120,300 *	964,300 *	80
85	68.7	150.3	1,355,700 *	1,052,700 *	1,052,700 *	905,000 *	85
90	66.6	148.1	1,228,700 *	992,600 *	992,600 *	852,200 *	90
95	64.5	145.7	1,120,100 *	938,800 *	938,800 *	805,000 *	95
100	62.4	143.1	1,026,100 *	890,400 *	890,400 *	762,500 *	100
105	60.2	140.3	943,700 *	846,600 *	846,600 *	724,100 *	105
110	57.9	137.1	870,800 *	806,800 *	806,800 *	689,100 *	110
115	55.6	133.7	805,700 *	770,400 *	770,400 *	657,100 *	115
120	53.2	130.0	747,100 *	737,100 *	719,900 *	627,800 *	120
125	50.8	126.0	693,800 *	686,200 *	670,700 *	600,900 *	125
130	48.2	121.5	645,000 *	638,800 *	625,500 *	576,000 *	130
135	45.6	116.7	600,100 *	595,000 *	583,600 *	552,900 *	135
140	42.8	111.4	558,200 *	554,200 *	544,400 *	531,500 *	140
145	39.8	105.5	519,000 *	515,700 *	507,300 *	511,400 *	145
150	36.7	98.9	481,800 *	479,300 *	472,300 *	475,700 *	150
155	33.2	91.4	446,100 *	444,300 *	438,500 *	441,400 *	155
160	29.5	82.9	411,200 *	410,100 *	405,500 *	407,800 *	160

Oper. Radius Feet	Boom Angle Deg.	Boom Point Elev. Feet	0 Degree List Boom Capacity Pounds	1/2 Degree List 1/2 Degree Trim Boom Capacity Pounds	1/2 Degree List 1-1/2 Degree Trim Boom Capacity Pounds	1 Degree List 1 Degree Trim Boom Capacity Pounds	Oper. Radius Feet
175.0 ft Boom							
55	82.0	184.4	1,587,800 *				55
60	80.4	183.5	1,587,800 *	1,430,400 *	1,430,400 *		60
65	78.7	182.5	1,587,800 *	1,383,800 *	1,383,800 *	1,194,500 *	65
70	77.0	181.4	1,587,800 *	1,282,800 *	1,282,800 *	1,105,900 *	70
75	75.3	180.1	1,574,900 *	1,195,300 *	1,195,300 *	1,029,000 *	75
80	73.6	178.6	1,490,600	1,118,700 *	1,118,700 *	961,800 *	80
85	71.9	177.0	1,354,600	1,051,000 *	1,051,000 *	902,400 *	85
90	70.2	175.2	1,240,200	990,900 *	990,900 *	849,700 *	90
95	68.4	173.2	1,142,800	937,100 *	937,100 *	802,400 *	95
100	66.6	171.0	1,058,800	888,700 *	888,700 *	759,900 *	100
105	64.8	168.7	985,600	844,900 *	844,900 *	721,500 *	105
110	63.0	166.1	921,300	805,100 *	805,100 *	686,500 *	110
115	61.1	163.4	864,300	768,700 *	768,700 *	654,500 *	115
120	59.2	160.4	813,400	735,400 *	735,400 *	625,200 *	120
125	57.2	157.2	763,200 *	704,700 *	704,700 *	598,300 *	125
130	55.3	153.7	714,100 *	676,300 *	676,300 *	573,400 *	130
135	53.2	150.0	669,000 *	650,100 *	645,300 *	550,300 *	135
140	51.1	146.0	627,500 *	621,500 *	606,900 *	528,900 *	140
145	49.0	141.7	588,900 *	583,900 *	571,000 *	508,900 *	145
150	46.7	137.0	553,000 *	548,800 *	537,500 *	490,300 *	150
155	44.4	132.0	519,300 *	515,900 *	506,000 *	472,800 *	155
160	42.0	126.5	487,600 *	484,800 *	476,100 *	456,500 *	160
165	39.4	120.5	457,400 *	455,200 *	447,600 *	441,100 *	165
170	36.7	113.9	428,500 *	426,700 *	420,200 *	423,400 *	170
175	33.8	106.6	400,600 *	399,200 *	393,700 *	396,400 *	175
180	30.6	98.4	373,300 *	372,400 *	367,800 *	370,100 *	180
185	27.2	89.0	346,200 *	345,700 *	341,900 *	343,800 *	185

Oper. Radius Feet	Boom Angle Deg.	Boom Point Elev. Feet	0 Degree List Boom Capacity Pounds	1/2 Degree List 1/2 Degree Trim Boom Capacity Pounds	1/2 Degree List 1-1/2 Degree Trim Boom Capacity Pounds	1 Degree List 1 Degree Trim Boom Capacity Pounds	Oper. Radius Feet
200.0 ft Boom							
60	81.6	208.9	1,444,700 *				60
65	80.1	208.0	1,435,100 *	1,274,200 *	1,274,200 *		65
70	78.7	207.0	1,417,700 *	1,260,900 *	1,260,900 *		70
75	77.2	205.9	1,400,000 *	1,192,900 *	1,192,900 *	1,025,300 *	75
80	75.7	204.6	1,382,200 *	1,116,300 *	1,116,300 *	958,200 *	80
85	74.2	203.2	1,349,900	1,048,800 *	1,048,800 *	898,900 *	85
90	72.7	201.6	1,235,500	988,700 *	988,700 *	846,200 *	90
95	71.2	199.9	1,138,100	935,000 *	935,000 *	799,100 *	95
100	69.7	198.1	1,054,100	886,600 *	886,600 *	756,700 *	100
105	68.1	196.1	980,900	842,800 *	842,800 *	718,200 *	105
110	66.6	193.9	916,500	803,000 *	803,000 *	683,300 *	110
115	65.0	191.6	859,500	766,700 *	766,700 *	651,400 *	115
120	63.4	189.1	808,700	733,400 *	733,400 *	622,200 *	120
125	61.8	186.4	763,000	702,700 *	702,700 *	595,300 *	125
130	60.1	183.6	721,800	674,400 *	674,400 *	570,400 *	130
135	58.5	180.5	684,500	648,200 *	648,200 *	547,400 *	135
140	56.7	177.2	650,400	623,800 *	621,500	526,000 *	140
145	55.0	173.7	619,200	601,200 *	593,200	506,100 *	145
150	53.2	170.0	590,600	580,000 *	567,200	487,500 *	150
155	51.4	166.0	559,700 *	555,300 *	541,700 *	470,100 *	155
160	49.5	161.8	529,500 *	525,800 *	513,700 *	453,800 *	160
165	47.6	157.3	501,000 *	498,000 *	487,200 *	438,400 *	165
170	45.6	152.4	474,100 *	471,600 *	461,900 *	424,000 *	170
175	43.5	147.2	448,500 *	446,600 *	437,900 *	410,300 *	175
180	41.3	141.6	424,100 *	422,700 *	415,000 *	397,400 *	180
185	39.1	135.5	400,700 *	399,700 *	392,900 *	385,200 *	185
190	36.7	128.9	378,100 *	377,500 *	371,500 *	373,700 *	190
195	34.2	121.7	356,100 *	355,900 *	350,700 *	353,300 *	195
200	31.5	113.7	334,600 *	334,600 *	330,200 *	332,400 *	200
205	28.6	104.8	313,200 *	313,200 *	309,900 *	311,700 *	205

Oper. Radius Feet	Boom Angle Deg.	Boom Point Elev. Feet	0 Degree List Boom Capacity Pounds	1/2 Degree List 1/2 Degree Trim Boom Capacity Pounds	1/2 Degree List 1-1/2 Degree Trim Boom Capacity Pounds	1 Degree List 1 Degree Trim Boom Capacity Pounds	Oper. Radius Feet
225.0 ft Boom							
65	81.2	233.4	1,278,000 *				65
70	79.9	232.5	1,263,900 *	1,114,300 *	1,114,300 *		70
75	78.6	231.5	1,249,600 *	1,103,200 *	1,103,200 *		75
80	77.3	230.4	1,235,100 *	1,091,900 *	1,091,900 *		80
85	76.0	229.2	1,220,500 *	1,046,700 *	1,046,700 *		85
90	74.7	227.8	1,205,900 *	986,600 *	986,600 *	843,000 *	90
95	73.4	226.3	1,134,200	932,900 *	932,900 *	795,900 *	95
100	72.0	224.7	1,050,200	884,500 *	884,500 *	753,500 *	100
105	70.7	222.9	977,000	840,800 *	840,800 *	715,100 *	105
110	69.3	221.0	912,600	801,000 *	801,000 *	680,200 *	110
115	68.0	219.0	855,600	764,700 *	764,700 *	648,300 *	115
120	66.6	216.8	804,800	731,400 *	731,400 *	619,100 *	120
125	65.2	214.5	759,100	700,700 *	700,700 *	592,200 *	125
130	63.7	212.1	717,900	672,400 *	672,400 *	567,400 *	130
135	62.3	209.4	680,500	646,200 *	643,700	544,300 *	135
140	60.9	206.7	646,500	621,900 *	613,200	523,000 *	140
145	59.4	203.7	615,300	599,200 *	585,200	503,100 *	145
150	57.9	200.6	586,700	578,100 *	559,400	484,500 *	150
155	56.3	197.3	560,300	556,300	535,500	467,100 *	155
160	54.8	193.7	535,900	532,500	513,300	450,800 *	160
165	53.2	190.0	513,300	510,400	492,600	435,400 *	165
170	51.6	186.1	492,300	489,800	473,300	421,000 *	170
175	49.9	181.9	472,600	469,300 *	455,300	407,400 *	175
180	48.2	177.4	450,400 *	447,200 *	436,900 *	394,500 *	180
185	46.5	172.7	428,900 *	426,100 *	416,700 *	382,300 *	185
190	44.7	167.7	408,300 *	405,900 *	397,400 *	370,800 *	190
195	42.8	162.3	388,500 *	386,500 *	378,800 *	359,800 *	195
200	40.9	156.6	369,500 *	367,800 *	360,900 *	349,400 *	200
205	38.8	150.5	351,100 *	349,600 *	343,400 *	339,500 *	205
210	36.7	143.9	333,200 *	332,000 *	326,500 *	329,200 *	210
215	34.5	136.7	315,700 *	314,800 *	309,900 *	312,300 *	215
220	32.2	128.9	298,500 *	297,800 *	293,500 *	295,600 *	220
225	29.6	120.3	281,500 *	280,900 *	277,200 *	279,000 *	225

Oper. Radius Feet	Boom Angle Deg.	Boom Point Elev. Feet	0 Degree List Boom Capacity Pounds	1/2 Degree List 1/2 Degree Trim Boom Capacity Pounds	1/2 Degree List 1-1/2 Degree Trim Boom Capacity Pounds	Oper. Radius Feet
250.0 ft Boom						
70	81.0	257.9	1,132,100 *			70
75	79.8	257.0	1,120,600 *			75
80	78.6	256.0	1,108,600 *	978,200 *	978,200 *	80
85	77.5	254.9	1,096,600 *	968,800 *	968,800 *	85
90	76.3	253.7	1,084,500 *	959,300 *	959,300 *	90
95	75.1	252.3	1,072,300 *	930,700 *	930,700 *	95
100	73.9	250.9	1,045,300	882,400 *	882,400 *	100
105	72.7	249.3	972,100	838,600 *	838,600 *	105
110	71.5	247.7	907,800	798,900 *	798,900 *	110
115	70.3	245.9	850,800	762,500 *	762,500 *	115
120	69.0	244.0	799,900	729,200 *	729,200 *	120
125	67.8	241.9	754,300	698,600 *	698,600 *	125
130	66.6	239.8	713,100	670,300 *	668,100	130
135	65.3	237.5	675,700	644,100 *	635,200	135
140	64.0	235.0	641,600	619,800 *	605,000	140
145	62.7	232.4	610,500	597,200 *	577,200	145
150	61.4	229.7	581,800	576,000 *	551,600	150
155	60.1	226.9	555,500	551,100	527,900	155
160	58.8	223.8	531,100	527,400	505,900	160
165	57.4	220.6	508,400	505,300	485,400	165
170	56.0	217.3	487,400	484,700	466,200	170
175	54.6	213.7	467,800	465,500	448,300	175
180	53.2	210.0	449,500	447,600	431,500	180
185	51.7	206.1	432,300	430,700	415,700	185
190	50.2	201.9	416,200	414,900	400,900	190
195	48.7	197.6	401,000	398,700 *	386,900	195
200	47.2	193.0	383,800 *	381,700 *	372,700 *	200
205	45.6	188.1	367,100 *	365,300 *	357,100 *	205
210	43.9	183.0	351,000 *	349,500 *	341,900 *	210
215	42.2	177.5	335,500 *	334,200 *	327,300 *	215
220	40.5	171.7	320,400 *	319,300 *	313,000 *	220
225	38.6	165.5	305,700 *	304,800 *	299,100 *	225
230	36.7	158.9	291,400 *	290,600 *	285,500 *	230
235	34.8	151.8	277,300 *	276,500 *	272,100 *	235
240	32.7	144.1	263,400 *	262,700 *	258,800 *	240
245	30.4	135.8	249,600 *	249,300 *	245,600 *	245
250	28.0	126.6	235,800 *	235,600 *	232,400 *	250

Oper. Radius Feet	Boom Angle Deg.	Boom Point Elev. Feet	0 Degree List Boom Capacity Pounds	1/2 Degree List 1/2 Degree Trim Boom Capacity Pounds	1/2 Degree List 1-1/2 Degree Trim Boom Capacity Pounds	Oper. Radius Feet
275.0 ft Boom						
70	81.8	283.3	1,016,400 *			70
75	80.7	282.4	1,007,300 *			75
80	79.7	281.5	997,900 *			80
85	78.6	280.5	988,100 *			85
90	77.5	279.4	978,200 *	858,400 *	858,400 *	90
95	76.5	278.2	959,700 *	850,500 *	850,500 *	95
100	75.4	276.9	939,300 *	842,400 *	842,400 *	100
105	74.3	275.5	919,200 *	830,500 *	830,500 *	105
110	73.2	274.0	880,500 *	797,200 *	797,200 *	110
115	72.1	272.4	831,300 *	760,900 *	757,900 *	115
120	71.0	270.7	786,700 *	727,700 *	720,600 *	120
125	69.9	268.8	746,200 *	697,000 *	686,300 *	125
130	68.8	266.9	709,100 *	668,800 *	654,700 *	130
135	67.7	264.8	672,000 *	642,600 *	625,300 *	135
140	66.5	262.7	638,000 *	618,300 *	598,100 *	140
145	65.4	260.4	606,800 *	595,600 *	570,600 *	145
150	64.2	258.0	578,200 *	572,800 *	545,300 *	150
155	63.1	255.4	551,800 *	547,200 *	521,800 *	155
160	61.9	252.8	527,400 *	523,500 *	499,900 *	160
165	60.7	250.0	504,800 *	501,500 *	479,600 *	165
170	59.5	247.0	483,700 *	481,000 *	460,600 *	170
175	58.3	243.9	464,100 *	461,900 *	442,800 *	175
180	57.0	240.7	445,800 *	444,000 *	426,200 *	180
185	55.8	237.3	428,600 *	427,100 *	410,500 *	185
190	54.5	233.7	412,500 *	411,300 *	395,800 *	190
195	53.2	230.0	397,400 *	396,500 *	381,800 *	195
200	51.9	226.1	383,100 *	382,400 *	368,700 *	200
205	50.5	222.0	369,600 *	369,200 *	356,300 *	205
210	49.1	217.7	356,900 *	355,700 *	344,500 *	210
215	47.7	213.2	342,900 *	341,800 *	333,300 *	215
220	46.3	208.4	329,300 *	328,400 *	320,500 *	220
225	44.8	203.4	316,100 *	315,400 *	308,100 *	225
230	43.3	198.2	303,400 *	302,800 *	296,000 *	230
235	41.8	192.6	290,900 *	290,500 *	284,300 *	235
240	40.2	186.7	278,800 *	278,500 *	272,800 *	240
245	38.5	180.5	266,900 *	266,700 *	261,500 *	245
250	36.8	173.9	255,300 *	255,200 *	250,400 *	250
255	35.0	166.8	243,800 *	243,800 *	239,400 *	255
260	33.1	159.2	232,500 *	232,400 *	228,600 *	260
265	31.1	151.1	221,200 *	220,900 *	217,800 *	265
270	29.0	142.2	209,900 *	209,700 *	206,900 *	270

Oper. Radius Feet	Boom Angle Deg.	Boom Point Elev. Feet	0 Degree List Boom Capacity Pounds	1/2 Degree List 1/2 Degree Trim Boom Capacity Pounds	1/2 Degree List 1-1/2 Degree Trim Boom Capacity Pounds	Oper. Radius Feet
300.0 ft Boom						
75	81.5	307.8	899,400 *			75
80	80.5	306.9	890,800 *			80
85	79.6	306.0	873,600 *			85
90	78.6	305.0	856,400 *			90
95	77.6	303.9	839,100 *			95
100	76.6	302.7	821,900 *	745,600 *	745,600 *	100
105	75.7	301.4	804,900 *	731,300 *	731,300 *	105
110	74.7	300.1	788,000 *	717,100 *	717,100 *	110
115	73.7	298.6	771,300 *	703,100 *	703,100 *	115
120	72.7	297.0	746,500 *	689,300 *	678,600 *	120
125	71.7	295.4	709,200 *	675,500 *	647,700 *	125
130	70.7	293.6	675,100 *	654,300 *	619,000 *	130
135	69.6	291.8	643,800 *	624,700 *	592,400 *	135
140	68.6	289.8	614,800 *	597,300 *	567,700 *	140
145	67.6	287.7	587,900 *	571,800 *	544,600 *	145
150	66.5	285.6	562,900 *	548,000 *	522,900 *	150
155	65.5	283.3	539,500 *	525,700 *	502,500 *	155
160	64.4	280.9	517,600 *	512,100 *	490,400 *	160
165	63.4	278.4	496,900 *	492,100 *	472,000 *	165
170	62.3	275.8	477,500 *	473,200 *	453,500	170
175	61.2	273.0	459,000 *	455,300 *	435,800	175
180	60.1	270.2	440,800	438,300 *	419,300	180
185	59.0	267.2	423,600	422,000	403,800	185
190	57.8	264.0	407,500	406,200	389,100	190
195	56.7	260.7	392,400	391,400	375,300	195
200	55.5	257.3	378,100	377,400	362,200	200
205	54.4	253.7	364,600	364,000 *	349,900	205
210	53.2	250.0	351,900	350,900 *	338,200	210
215	52.0	246.1	339,400 *	338,300 *	327,000	215
220	50.7	242.0	327,000 *	326,100 *	316,500	220
225	49.5	237.8	315,100 *	314,300 *	305,600 *	225
230	48.2	233.3	303,500 *	302,900 *	294,800 *	230
235	46.9	228.7	292,300 *	291,800 *	284,300 *	235
240	45.6	223.8	281,400 *	281,000 *	274,000 *	240
245	44.2	218.7	270,700 *	270,500 *	264,000 *	245
250	42.8	213.3	260,400 *	260,300 *	254,200 *	250
255	41.4	207.7	250,300 *	250,300 *	244,600 *	255
260	39.9	201.8	240,400 *	240,400 *	235,200 *	260
265	38.4	195.5	230,600 *	230,600 *	225,900 *	265
270	36.8	188.9	221,000 *	221,000 *	216,700 *	270
275	35.1	181.9	211,600 *	211,600 *	207,700 *	275
280	33.4	174.4	202,200 *	202,200 *	198,700 *	280
285	31.6	166.4	192,900 *	192,900 *	189,700 *	285
290	29.7	157.8	183,500 *	183,300 *	180,700 *	290
295	27.7	148.4	174,100 *	173,700 *	171,500 *	295

Oper. Radius Feet	Boom Angle Deg.	Boom Point Elev. Feet	0 Degree List Boom Capacity Pounds	1/2 Degree List 1/2 Degree Trim Boom Capacity Pounds	1/2 Degree List 1-1/2 Degree Trim Boom Capacity Pounds	Oper. Radius Feet
325.0 ft Boom						
80	81.3	332.3	784,500 *			80
85	80.4	331.4	770,300 *			85
90	79.5	330.5	755,900 *			90
95	78.6	329.5	741,300 *			95
100	77.7	328.4	726,600 *			100
105	76.8	327.2	712,000 *			105
110	75.9	326.0	697,400 *	627,700 *	627,700 *	110
115	75.0	324.6	683,000 *	615,500 *	615,500 *	115
120	74.0	323.2	668,600 *	603,400 *	603,400 *	120
125	73.1	321.7	654,400 *	591,400 *	591,400 *	125
130	72.2	320.1	640,400 *	579,500 *	579,500 *	130
135	71.3	318.4	611,700 *	567,700 *	559,300 *	135
140	70.3	316.6	584,900 *	556,100 *	536,700 *	140
145	69.4	314.7	560,000 *	544,400 *	515,700 *	145
150	68.4	312.7	536,900 *	522,500 *	495,900 *	150
155	67.5	310.7	515,300 *	502,000 *	477,300 *	155
160	66.5	308.5	495,000 *	482,700 *	459,800 *	160
165	65.6	306.2	476,000 *	464,600 *	443,200 *	165
170	64.6	303.8	458,000 *	447,400 *	427,500 *	170
175	63.6	301.4	441,000 *	437,600 *	418,900 *	175
180	62.6	298.8	424,900 *	422,100 *	404,500 *	180
185	61.6	296.1	409,700 *	407,200 *	390,800 *	185
190	60.6	293.3	395,100 *	393,000 *	377,600 *	190
195	59.6	290.3	381,200 *	379,400 *	365,000 *	195
200	58.5	287.3	367,900 *	366,400 *	352,900 *	200
205	57.5	284.1	355,200 *	354,000 *	341,300 *	205
210	56.4	280.8	342,900 *	342,000 *	330,100 *	210
215	55.4	277.3	331,200 *	330,400 *	319,300 *	215
220	54.3	273.7	319,800 *	319,300 *	308,800 *	220
225	53.2	270.0	308,900 *	308,600 *	298,700 *	225
230	52.1	266.1	298,400 *	298,200 *	288,900 *	230
235	50.9	262.1	288,100 *	288,100 *	279,400 *	235
240	49.8	257.9	278,200 *	278,200 *	270,100 *	240
245	48.6	253.5	268,600 *	268,600 *	261,100 *	245
250	47.4	248.9	259,200 *	259,200 *	252,300 *	250
255	46.2	244.1	250,100 *	250,100 *	243,700 *	255
260	44.9	239.1	241,200 *	241,200 *	235,300 *	260
265	43.7	233.9	232,500 *	232,500 *	227,100 *	265
270	42.4	228.5	224,000 *	224,000 *	219,000 *	270
275	41.0	222.8	215,700 *	215,700 *	211,100 *	275
280	39.7	216.8	207,500 *	207,500 *	203,200 *	280
285	38.2	210.5	199,400 *	199,400 *	195,500 *	285
290	36.8	203.9	191,400 *	191,400 *	187,900 *	290
295	35.3	196.9	183,500 *	183,500 *	180,300 *	295
300	33.7	189.5	175,700 *	175,700 *	172,800 *	300
305	32.0	181.6	167,800 *	167,800 *	165,200 *	305
310	30.3	173.2	160,000 *	160,000 *	157,700 *	310
315	28.5	164.1	152,100 *	152,100 *	150,100 *	315

Oper. Radius Feet	Boom Angle Deg.	Boom Point Elev. Feet	0 Degree List Boom Capacity Pounds
350.0 ft Boom			
80	81.9	357.6	695,500 *
85	81.1	356.8	683,400 *
90	80.3	355.9	671,000 *
95	79.4	355.0	658,400 *
100	78.6	354.0	645,600 *
105	77.7	352.9	632,700 *
110	76.9	351.7	619,700 *
115	76.1	350.5	606,800 *
120	75.2	349.2	593,400 *
125	74.4	347.8	579,900 *
130	73.5	346.3	565,900 *
135	72.7	344.7	552,100 *
140	71.8	343.1	538,100 *
145	70.9	341.4	524,200 *
150	70.1	339.5	508,400 *
155	69.2	337.6	488,300 *
160	68.3	335.7	469,400 *
165	67.4	333.6	451,700 *
170	66.5	331.4	435,000 *
175	65.6	329.1	419,200 *
180	64.7	326.8	404,300 *
185	63.8	324.3	390,100 *
190	62.9	321.8	376,700 *
195	62.0	319.1	363,800 *
200	61.0	316.3	351,500 *
205	60.1	313.5	339,800 *
210	59.1	310.5	328,500 *
215	58.2	307.4	317,600 *
220	57.2	304.2	307,200 *
225	56.2	300.8	297,200 *
230	55.2	297.3	287,500 *
235	54.2	293.7	278,100 *
240	53.2	290.0	269,000 *
245	52.1	286.1	260,200 *
250	51.1	282.1	251,700 *
255	50.0	277.9	243,400 *
260	48.9	273.6	235,300 *
265	47.8	269.1	227,400 *
270	46.7	264.4	219,700 *
275	45.6	259.5	212,100 *
280	44.4	254.4	204,800 *
285	43.2	249.1	197,500 *
290	42.0	243.6	190,400 *
295	40.7	237.9	183,500 *
300	39.5	231.8	176,600 *
305	38.1	225.5	169,800 *
310	36.8	218.9	163,100 *
315	35.4	211.9	156,400 *
320	33.9	204.6	149,800 *
325	32.4	196.8	143,100 *
330	30.8	188.5	136,500 *
335	29.2	179.7	129,900 *

Oper. Radius Feet	Boom Angle Deg.	Boom Point Elev. Feet	0 Degree List Boom Capacity Pounds
375.0 ft Boom			
85	81.7	382.1	603,600 *
90	80.9	381.3	593,100 *
95	80.1	380.4	582,300 *
100	79.4	379.5	571,300 *
105	78.6	378.5	560,000 *
110	77.8	377.4	548,100 *
115	77.0	376.3	535,700 *
120	76.2	375.0	523,000 *
125	75.4	373.7	510,000 *
130	74.6	372.4	497,000 *
135	73.8	370.9	484,100 *
140	73.0	369.4	471,500 *
145	72.2	367.8	459,000 *
150	71.4	366.1	446,700 *
155	70.6	364.3	434,600 *
160	69.8	362.5	422,600 *
165	69.0	360.6	410,600 *
170	68.2	358.6	398,800 *
175	67.3	356.5	387,200 *
180	66.5	354.3	375,900 *
185	65.7	352.1	364,700 *
190	64.8	349.7	353,700 *
195	64.0	347.3	342,300 *
200	63.1	344.7	331,100 *
205	62.3	342.1	320,200 *
210	61.4	339.4	309,500 *
215	60.5	336.6	299,000 *
220	59.6	333.6	288,800 *
225	58.7	330.6	278,700 *
230	57.8	327.5	268,800 *
235	56.9	324.2	259,200 *
240	56.0	320.8	249,700 *
245	55.1	317.4	240,400 *
250	54.1	313.8	231,300 *
255	53.2	310.0	222,400 *
260	52.2	306.1	213,600 *
265	51.2	302.1	204,900 *
270	50.2	298.0	196,400 *
275	49.2	293.7	188,100 *
280	48.2	289.2	179,900 *
285	47.2	284.6	171,800 *
290	46.1	279.8	163,900 *
295	45.0	274.9	156,000 *
300	43.9	269.7	148,300 *
305	42.8	264.3	140,800 *
310	41.7	258.7	133,300 *
315	40.5	252.9	125,900 *
320	39.3	246.9	118,600 *
325	38.1	240.5	111,400 *
330	36.8	233.9	104,300 *

Oper. Radius Feet	Boom Angle Deg.	Boom Point Elev. Feet	0 Degree List Boom Capacity Pounds
400.0 ft Boom			
90	81.5	406.6	516,200 *
95	80.8	405.8	512,000 *
100	80.0	404.9	501,800 *
105	79.3	404.0	490,800 *
110	78.6	403.0	479,300 *
115	77.8	401.9	467,400 *
120	77.1	400.8	455,500 *
125	76.4	399.5	443,700 *
130	75.6	398.3	431,900 *
135	74.9	396.9	420,300 *
140	74.1	395.5	408,800 *
145	73.4	394.0	397,000 *
150	72.6	392.4	385,400 *
155	71.9	390.8	374,000 *
160	71.1	389.1	362,800 *
165	70.4	387.3	351,800 *
170	69.6	385.4	341,000 *
175	68.8	383.5	330,400 *
180	68.1	381.5	320,000 *
185	67.3	379.4	309,400 *
190	66.5	377.2	298,800 *
195	65.7	375.0	288,400 *
200	64.9	372.6	278,000 *
205	64.1	370.2	267,700 *
210	63.3	367.7	257,600 *
215	62.5	365.1	247,800 *
220	61.7	362.4	238,100 *
225	60.9	359.6	228,700 *
230	60.1	356.8	219,400 *
235	59.2	353.8	210,400 *
240	58.4	350.7	201,500 *
245	57.5	347.5	192,800 *
250	56.7	344.3	184,300 *
255	55.8	340.9	175,900 *
260	55.0	337.4	167,700 *
265	54.1	333.8	159,700 *
270	53.2	330.0	151,800 *
275	52.3	326.2	144,100 *
280	51.4	322.2	136,400 *
285	50.4	318.0	129,000 *
290	49.5	313.8	121,600 *
295	48.5	309.4	114,400 *
300	47.6	304.8	107,200 *
305	46.6	300.1	100,200 *