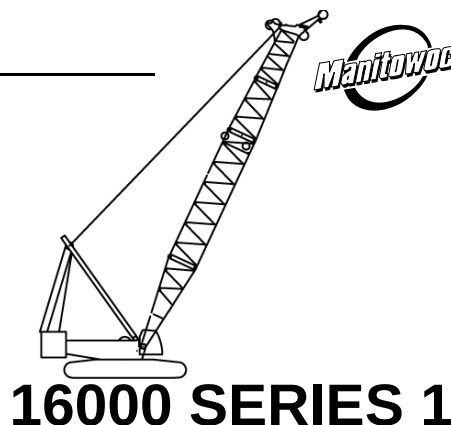


Liftcrane Boom Capacities

Boom No. 58 HL
224,000 lb Crane Counterweight
0 lb Carbody Counterweight
Crawler Machine on a Barge
0 Degree thru 3 Degree Machine List
No Travel - 360 Degree Rating - Two Swing Drives



LIFTING CAPACITIES: Lifting capacities are for a crawler machine 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 (*).

Standard upper boom point capacity for liftcrane service with single part whip line is 30,000 lb or 60,000 lb with two part whip line. In all cases, upper boom point capacities cannot exceed those listed for main boom capacity.

Weight of all load blocks, hooks, weight ball, 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 machine list not to exceed degrees noted. Refer to boom rigging **No. A10415**, Wire Rope Specification chart **No. 8674-A**, Counterweight Arrangement chart **No. 8682-A** and Wind Conditions chart **No. 8688-A**. 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. Refer to Operator's Manual for operating guidelines.

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: Boom angle in degrees ($^{\circ}$) 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

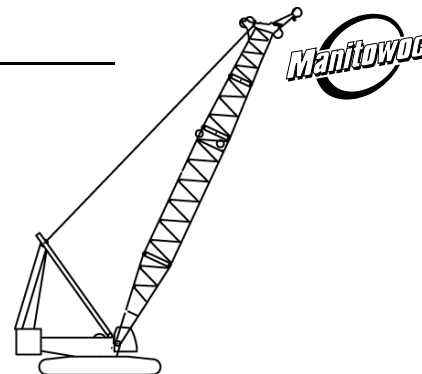
MACHINE EQUIPMENT: Machine equipped with two swing drives, 34 ft crawlers, 60 in. treads, 32 ft live mast, 26 part boom hoist reeving, boom support straps, 224,000 lb crane counterweight, 0 lb carbody counterweight.

Maximum Boom Lengths Lifted Unassisted		
List	Over End of Blocked Crawlers	Over Side of Crawlers
	Boom Length	Boom Length
0 Degree	236.2 ft	216.5 ft
1 Degree	236.2 ft	216.5 ft
2 Degree	236.2 ft	216.5 ft
3 Degree	236.2 ft	216.5 ft
Load block, hook and weight ball on barge deck at start.		

Third Line Deduct
Deduct 500 lb from boom capacities when boom is equipped for three line operation.

Liftcrane Boom Capacities

Boom No. 58 HL
 224,000 lb Crane Counterweight
 0 lb Carbody Counterweight
 Crawler Machine on a Barge
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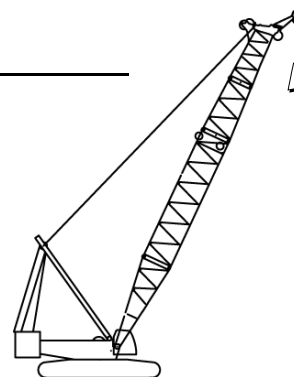
16000 SERIES 1

Oper. Radius Feet	Boom Angle Deg.	Boom Point Elev. Feet	0 Degree List Boom Capacity Pounds	1 Degree List Boom Capacity Pounds	2 Degree List Boom Capacity Pounds	3 Degree List Boom Capacity Pounds	Oper. Radius Feet
98.4 ft							
21	82.9	106.0	820,200 *				21
22	82.3	105.8	784,900 *				22
24	81.1	105.4	717,500	616,400			24
26	79.9	105.0	607,700	532,900	470,400	399,500 *	26
28	78.7	104.6	526,000	468,500	418,700	377,600	28
30	77.5	104.1	462,700	417,200	376,700	342,500	30
32	76.3	103.5	412,400	375,500	341,800	313,000	32
34	75.1	102.9	371,300	340,900	312,500	287,800	34
36	73.9	102.3	337,200	311,600	287,400	266,100	36
38	72.7	101.6	308,300	286,700	265,700	247,100	38
40	71.4	100.8	283,700	265,100	246,800	230,400	40
45	68.3	98.8	235,300	222,000	208,600	196,300	45
50	65.1	96.4	199,700	189,800	179,500	170,100	50
55	61.7	93.6	172,400	164,800	156,800	149,300	55
60	58.3	90.5	150,800	144,800	138,400	132,300	60
65	54.7	86.9	133,200	128,500	123,300	118,300	65
70	50.9	82.8	118,700	114,900	110,600	106,500	70
75	46.9	78.1	106,500	103,400	99,800	96,400	75
80	42.6	72.6	96,000	93,500	90,500	87,600	80
85	37.9	66.2	87,000	84,900	82,400	80,000	85
90	32.6	58.5	79,000	77,300	75,300	73,300	90
95	26.2	48.8	71,900	70,600	68,900	67,300	95
100	17.6	34.8	65,500	64,500	63,300	62,100	100



Liftcrane Boom Capacities

Boom No. 58 HL
 224,000 lb Crane Counterweight
 0 lb Carbody Counterweight
 Crawler Machine on a Barge
 0 Degree thru 3 Degree Machine List
 No Travel - 360 Degree Rating - Two Swing Drives

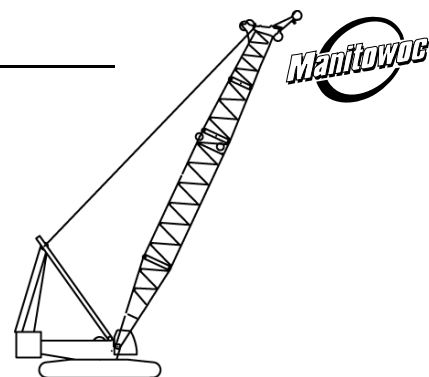


16000 SERIES 1

Oper. Radius Feet	Boom Angle Deg.	Boom Point Elev. Feet	0 Degree List Boom Capacity Pounds	1 Degree List Boom Capacity Pounds	2 Degree List Boom Capacity Pounds	3 Degree List Boom Capacity Pounds	Oper. Radius Feet
118.1 ft							
24	82.6	125.4	720,000				24
26	81.6	125.1	609,700	522,200			26
28	80.6	124.7	527,600	460,100	404,100		28
30	79.6	124.3	464,100	410,500	364,600	326,900	30
32	78.7	123.8	413,500	370,000	331,700	299,700	32
34	77.7	123.3	372,300	336,200	303,800	276,300	34
36	76.7	122.8	338,000	307,700	279,900	256,000	36
38	75.6	122.2	309,100	283,300	259,100	238,200	38
40	74.6	121.6	284,300	262,100	241,000	222,500	40
45	72.1	120.0	235,700	219,800	204,100	190,100	45
50	69.5	118.0	200,000	188,100	176,000	165,100	50
55	66.8	115.8	172,600	163,400	153,900	145,100	55
60	64.1	113.4	151,000	143,700	136,000	128,800	60
65	61.3	110.6	133,400	127,500	121,200	115,300	65
70	58.5	107.5	118,900	114,100	108,800	103,800	70
75	55.5	104.0	106,700	102,600	98,200	94,000	75
80	52.5	100.1	96,200	92,900	89,100	85,500	80
85	49.3	95.8	87,200	84,400	81,100	78,000	85
90	45.9	90.9	79,300	76,900	74,100	71,500	90
95	42.3	85.4	72,400	70,300	67,900	65,600	95
100	38.4	79.1	66,200	64,400	62,400	60,400	100
105	34.1	71.7	60,600	59,200	57,400	55,700	105
110	29.2	63.0	55,600	54,400	52,900	51,500	110
115	23.3	52.0	51,000	50,000	48,800	47,600	115
120	15.2	36.0	46,700	45,900	45,000	44,100	120

Liftcrane Boom Capacities

Boom No. 58 HL
 224,000 lb Crane Counterweight
 0 lb Carbody Counterweight
 Crawler Machine on a Barge
 0 Degree thru 3 Degree Machine List
 No Travel - 360 Degree Rating - Two Swing Drives



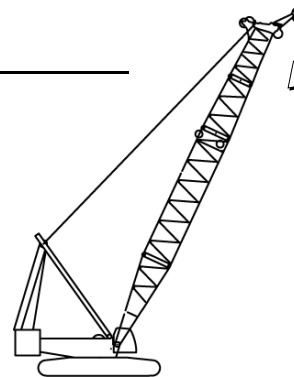
16000 SERIES 1

Oper. Radius Feet	Boom Angle Deg.	Boom Point Elev. Feet	0 Degree List Boom Capacity Pounds	1 Degree List Boom Capacity Pounds	2 Degree List Boom Capacity Pounds	3 Degree List Boom Capacity Pounds	Oper. Radius Feet
137.8 ft							
26	82.8	145.0	611,500				26
28	82.0	144.7	529,100	452,000			28
30	81.1	144.3	465,400	404,000			30
32	80.3	143.9	414,700	364,600	322,200		32
34	79.5	143.5	373,300	331,800	295,700	265,800	34
36	78.6	143.1	338,900	304,000	272,900	246,800	36
38	77.7	142.6	309,900	280,100	253,100	230,100	38
40	76.9	142.1	285,100	259,300	235,600	215,300	40
45	74.7	140.7	236,300	217,800	200,100	184,600	45
50	72.5	139.1	200,500	186,600	172,900	160,700	50
55	70.3	137.2	173,100	162,300	151,400	141,500	55
60	68.1	135.2	151,400	142,800	133,900	125,800	60
65	65.8	132.9	133,800	126,800	119,500	112,700	65
70	63.5	130.3	119,200	113,500	107,300	101,600	70
75	61.1	127.5	107,000	102,200	97,000	92,100	75
80	58.6	124.4	96,600	92,500	88,000	83,800	80
85	56.1	121.0	87,500	84,100	80,200	76,500	85
90	53.5	117.3	79,700	76,700	73,300	70,100	90
95	50.8	113.2	72,700	70,200	67,200	64,400	95
100	48.0	108.7	66,600	64,400	61,800	59,300	100
105	45.1	103.7	61,100	59,200	56,900	54,700	105
110	42.0	98.1	56,100	54,400	52,500	50,500	110
115	38.7	91.8	51,600	50,200	48,400	46,700	115
120	35.1	84.8	47,600	46,300	44,800	43,300	120
125	31.1	76.6	43,800	42,700	41,400	40,100	125
130	26.5	66.9	40,300	39,400	38,300	37,100	130
135	21.0	54.6	37,100	36,300	35,400	34,400	135



Liftcrane Boom Capacities

Boom No. 58 HL
 224,000 lb Crane Counterweight
 0 lb Carbody Counterweight
 Crawler Machine on a Barge
 0 Degree thru 3 Degree Machine List
 No Travel - 360 Degree Rating - Two Swing Drives

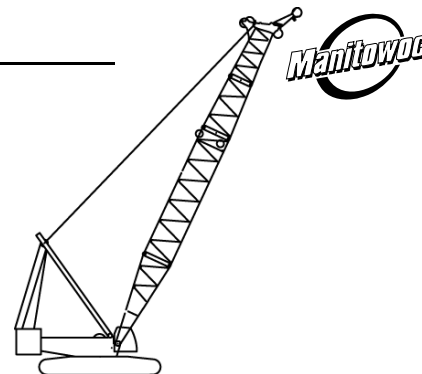


16000 SERIES 1

Oper. Radius Feet	Boom Angle Deg.	Boom Point Elev. Feet	0 Degree List Boom Capacity Pounds	1 Degree List Boom Capacity Pounds	2 Degree List Boom Capacity Pounds	3 Degree List Boom Capacity Pounds	Oper. Radius Feet
157.5 ft							
28	83.0	164.6	530,100				28
30	82.3	164.3	466,100				30
32	81.5	164.0	415,100	358,700			32
34	80.8	163.6	373,600	326,700	287,200		34
36	80.0	163.2	339,100	299,500	265,400		36
38	79.3	162.8	309,900	276,100	246,400	221,600	38
40	78.6	162.4	285,000	255,800	229,600	207,600	40
45	76.7	161.1	236,100	214,900	195,400	178,400	45
50	74.8	159.7	200,100	184,200	169,000	155,600	50
55	72.9	158.2	172,500	160,200	148,000	137,100	55
60	71.0	156.4	150,800	140,900	130,900	122,000	60
65	69.0	154.4	133,100	125,100	116,800	109,300	65
70	67.0	152.3	118,500	111,800	104,900	98,500	70
75	65.0	149.9	106,200	100,600	94,700	89,200	75
80	63.0	147.3	95,800	91,000	85,900	81,100	80
85	60.9	144.5	86,700	82,700	78,200	74,000	85
90	58.7	141.4	78,900	75,300	71,400	67,800	90
95	56.6	138.1	71,900	68,900	65,400	62,200	95
100	54.3	134.4	65,800	63,100	60,100	57,200	100
105	52.0	130.5	60,300	57,900	55,200	52,700	105
110	49.6	126.2	55,300	53,200	50,900	48,600	110
115	47.1	121.5	50,900	49,000	46,900	44,800	115
120	44.5	116.4	46,800	45,200	43,300	41,400	120
125	41.8	110.8	43,100	41,600	39,900	38,300	125
130	38.9	104.6	39,700	38,400	36,900	35,400	130
135	35.8	97.7	36,500	35,400	34,000	32,700	135
140	32.4	89.9	33,600	32,600	31,400	30,200	140
145	28.7	81.0	30,900	30,000	28,900	27,900	145
150	24.4	70.3	28,300	27,600	26,700	25,800	150
155	19.2	56.9	25,900	25,300	24,500	23,700	155

Liftcrane Boom Capacities

Boom No. 58 HL
 224,000 lb Crane Counterweight
 0 lb Carbody Counterweight
 Crawler Machine on a Barge
 0 Degree thru 3 Degree Machine List
 No Travel - 360 Degree Rating - Two Swing Drives



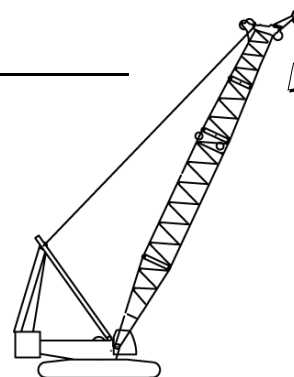
16000 SERIES 1

Oper. Radius Feet	Boom Angle Deg.	Boom Point Elev. Feet	0 Degree List Boom Capacity Pounds	1 Degree List Boom Capacity Pounds	2 Degree List Boom Capacity Pounds	3 Degree List Boom Capacity Pounds	Oper. Radius Feet
177.2 ft							
32	82.5	183.9	415,600				32
34	81.8	183.6	373,900	321,800			34
36	81.2	183.2	339,300	295,300			36
38	80.5	182.9	310,100	272,400	240,200		38
40	79.9	182.5	285,100	252,500	224,100	200,500	40
45	78.2	181.4	236,000	212,400	191,000	172,800	45
50	76.5	180.2	199,900	182,100	165,400	150,900	50
55	74.9	178.8	172,300	158,400	145,000	133,200	55
60	73.2	177.2	150,500	139,300	128,400	118,600	60
65	71.5	175.5	132,800	123,700	114,500	106,300	65
70	69.7	173.6	118,100	110,600	102,900	95,800	70
75	68.0	171.6	105,800	99,500	92,900	86,800	75
80	66.2	169.3	95,400	89,900	84,200	78,900	80
85	64.4	166.9	86,300	81,600	76,700	72,000	85
90	62.6	164.3	78,400	74,400	70,000	65,900	90
95	60.7	161.4	71,500	67,900	64,100	60,400	95
100	58.8	158.4	65,300	62,200	58,800	55,500	100
105	56.9	155.1	59,800	57,100	54,000	51,100	105
110	54.9	151.5	54,900	52,400	49,700	47,100	110
115	52.9	147.7	50,400	48,200	45,800	43,400	115
120	50.8	143.6	46,300	44,400	42,200	40,000	120
125	48.6	139.2	42,600	40,900	38,900	37,000	125
130	46.4	134.4	39,200	37,700	35,900	34,100	130
135	44.1	129.2	36,100	34,700	33,100	31,500	135
140	41.6	123.6	33,200	32,000	30,500	29,000	140
145	39.1	117.4	30,500	29,400	28,100	26,700	145
150	36.3	110.6	28,000	27,000	25,800	24,600	150
155	33.4	103.1	25,700	24,800	23,700	22,600	155
160	30.2	94.7	23,500	22,700	21,700	20,800	160
165	26.7	84.9	21,500	20,800	19,900	19,000	165
170	22.6	73.4	19,500	18,900	18,100	17,400	170
175	17.6	58.8	17,600	17,100	16,500	15,800	175



Liftcrane Boom Capacities

Boom No. 58 HL
 224,000 lb Crane Counterweight
 0 lb Carbody Counterweight
 Crawler Machine on a Barge
 0 Degree thru 3 Degree Machine List
 No Travel - 360 Degree Rating - Two Swing Drives

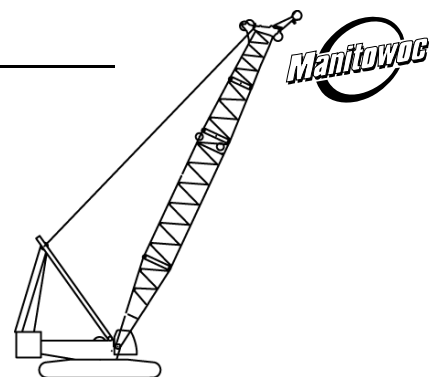


16000 SERIES 1

Oper. Radius Feet	Boom Angle Deg.	Boom Point Elev. Feet	0 Degree List Boom Capacity Pounds	1 Degree List Boom Capacity Pounds	2 Degree List Boom Capacity Pounds	3 Degree List Boom Capacity Pounds	Oper. Radius Feet
196.9 ft							
34	82.6	203.5	373,900				34
36	82.1	203.2	339,100				36
38	81.5	202.9	309,800	268,300			38
40	80.9	202.5	284,700	248,700	218,200		40
45	79.4	201.6	235,400	209,300	186,200	166,900	45
50	77.9	200.4	199,200	179,400	161,400	145,900	50
55	76.4	199.2	171,500	156,000	141,500	128,900	55
60	74.9	197.8	149,600	137,200	125,200	114,700	60
65	73.4	196.3	131,800	121,700	111,700	102,800	65
70	71.8	194.6	117,100	108,700	100,200	92,600	70
75	70.3	192.8	104,800	97,700	90,400	83,800	75
80	68.7	190.8	94,300	88,200	81,900	76,100	80
85	67.1	188.7	85,200	79,900	74,400	69,400	85
90	65.5	186.4	77,300	72,700	67,900	63,400	90
95	63.9	183.9	70,300	66,300	62,000	58,000	95
100	62.3	181.2	64,100	60,600	56,800	53,200	100
105	60.6	178.4	58,600	55,500	52,100	48,800	105
110	58.9	175.3	53,700	50,900	47,800	44,900	110
115	57.2	172.1	49,200	46,700	43,900	41,300	115
120	55.4	168.6	45,100	42,900	40,400	38,000	120
125	53.6	164.9	41,400	39,400	37,100	34,900	125
130	51.7	160.9	38,000	36,200	34,100	32,100	130
135	49.8	156.6	34,900	33,200	31,300	29,500	135
140	47.8	152.1	32,000	30,500	28,800	27,100	140
145	45.8	147.2	29,300	28,000	26,400	24,800	145
150	43.7	142.0	26,800	25,600	24,200	22,700	150
155	41.5	136.3	24,500	23,400	22,100	20,800	155
160	39.2	130.2	22,400	21,300	20,100	18,900	160
165	36.8	123.5	20,300	19,400	18,300	17,200	165
170	34.2	116.2	18,400	17,600	16,600	15,600	170
175	31.4	108.1	16,600	15,900	14,900	14,000	175
180	28.4	99.0	14,900	14,200	13,400	12,600	180
185	25.0	88.6	13,300	12,700	11,900	11,200	185
190	21.1	76.2	11,700	11,200	10,500		190
195	16.3	60.4	10,200				195

Liftcrane Boom Capacities

Boom No. 58 HL
 224,000 lb Crane Counterweight
 0 lb Carbody Counterweight
 Crawler Machine on a Barge
 0 Degree thru 3 Degree Machine List
 No Travel - 360 Degree Rating - Two Swing Drives



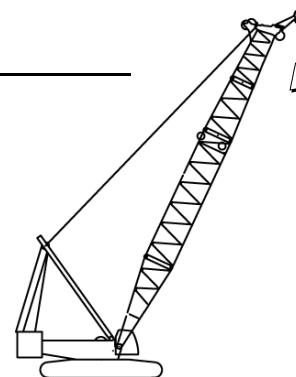
16000 SERIES 1

Oper. Radius Feet	Boom Angle Deg.	Boom Point Elev. Feet	0 Degree List Boom Capacity Pounds	1 Degree List Boom Capacity Pounds	2 Degree List Boom Capacity Pounds	3 Degree List Boom Capacity Pounds	Oper. Radius Feet
216.5 ft							
36	82.8	223.1	339,000				36
38	82.3	222.8	309,600				38
40	81.7	222.5	284,400	245,200			40
45	80.4	221.6	235,000	206,500	181,800		45
50	79.0	220.6	198,700	177,100	157,700	141,300	50
55	77.7	219.5	170,900	153,900	138,300	124,900	55
60	76.3	218.2	148,900	135,300	122,400	111,200	60
65	74.9	216.9	131,100	120,000	109,200	99,700	65
70	73.6	215.4	116,400	107,100	97,900	89,800	70
75	72.2	213.7	104,000	96,200	88,300	81,200	75
80	70.8	211.9	93,500	86,800	79,900	73,700	80
85	69.3	210.0	84,400	78,600	72,600	67,100	85
90	67.9	208.0	76,400	71,400	66,100	61,200	90
95	66.5	205.8	69,500	65,000	60,300	56,000	95
100	65.0	203.4	63,300	59,400	55,200	51,300	100
105	63.5	200.9	57,800	54,300	50,500	47,000	105
110	62.0	198.2	52,800	49,700	46,300	43,100	110
115	60.5	195.3	48,300	45,500	42,400	39,600	115
120	58.9	192.3	44,300	41,700	38,900	36,300	120
125	57.4	189.1	40,500	38,300	35,700	33,300	125
130	55.8	185.6	37,200	35,100	32,800	30,500	130
135	54.1	182.0	34,000	32,100	30,000	28,000	135
140	52.5	178.1	31,100	29,400	27,500	25,600	140
145	50.7	174.0	28,500	26,900	25,100	23,400	145
150	49.0	169.6	26,000	24,600	22,900	21,300	150
155	47.2	165.0	23,700	22,400	20,800	19,400	155
160	45.3	160.0	21,500	20,300	18,900	17,500	160
165	43.4	154.7	19,500	18,400	17,100	15,800	165
170	41.4	149.1	17,600	16,600	15,400	14,200	170
175	39.3	142.9	15,800	14,900	13,800	12,700	175
180	37.1	136.4	14,100	13,300	12,300	11,300	180
185	34.8	129.2	12,500	11,800	10,800		185
190	32.3	121.4	11,000	10,300			190
195	29.7	112.7	9,600				195
200	26.8	103.0	8,200				200



Liftcrane Boom Capacities

Boom No. 58 HL
 224,000 lb Crane Counterweight
 0 lb Carbody Counterweight
 Crawler Machine on a Barge
 0 Degree thru 3 Degree Machine List
 No Travel - 360 Degree Rating - Two Swing Drives



16000 SERIES 1

Oper. Radius Feet	Boom Angle Deg.	Boom Point Elev. Feet	0 Degree List Boom Capacity Pounds	1 Degree List Boom Capacity Pounds	2 Degree List Boom Capacity Pounds	3 Degree List Boom Capacity Pounds	Oper. Radius Feet
236.2 ft							
38	82.9	242.7	309,200				38
40	82.4	242.4	283,900				40
45	81.2	241.6	234,300	203,400			45
50	80.0	240.7	197,900	174,300	153,700	136,500	50
55	78.7	239.7	170,000	151,500	134,800	120,600	55
60	77.5	238.5	147,900	133,000	119,300	107,400	60
65	76.2	237.3	130,000	117,800	106,300	96,200	65
70	75.0	235.9	115,300	105,100	95,200	86,600	70
75	73.7	234.4	102,800	94,200	85,700	78,200	75
80	72.4	232.8	92,200	84,900	77,500	70,900	80
85	71.1	231.1	83,100	76,700	70,300	64,400	85
90	69.8	229.2	75,100	69,600	63,900	58,700	90
95	68.5	227.2	68,100	63,300	58,200	53,500	95
100	67.2	225.1	61,900	57,600	53,100	48,900	100
105	65.9	222.8	56,400	52,500	48,400	44,700	105
110	64.5	220.4	51,400	48,000	44,300	40,800	110
115	63.2	217.9	46,900	43,800	40,500	37,300	115
120	61.8	215.1	42,900	40,100	37,000	34,100	120
125	60.4	212.3	39,100	36,600	33,800	31,200	125
130	59.0	209.2	35,700	33,400	30,900	28,400	130
135	57.5	206.0	32,600	30,500	28,100	25,900	135
140	56.1	202.7	29,700	27,800	25,600	23,600	140
145	54.6	199.1	27,000	25,300	23,300	21,400	145
150	53.1	195.3	24,600	22,900	21,100	19,300	150
155	51.5	191.3	22,200	20,800	19,000	17,400	155
160	49.9	187.1	20,100	18,700	17,100	15,600	160
165	48.3	182.6	18,100	16,800	15,300	13,900	165
170	46.6	177.9	16,200	15,000	13,600	12,300	170
175	44.9	172.8	14,400	13,300	12,000	10,800	175
180	43.1	167.5	12,700	11,700	10,500		180
185	41.3	161.8	11,100	10,200			185
190	39.4	155.7	9,600				190
195	37.4	149.2	8,200				195