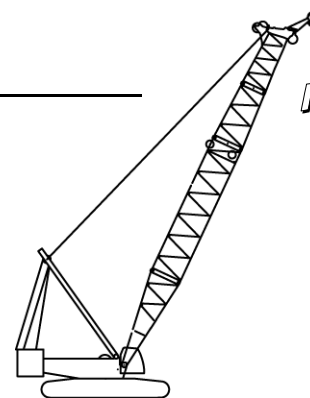




Liftcrane Boom Capacities

Boom No. 58 HL
101 600 kg Crane Counterweight
0 kg 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

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 13 610 kg or 27 220 kg 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

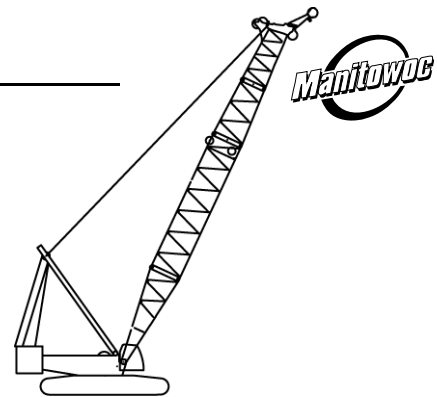
MACHINE EQUIPMENT: Machine equipped with two swing drives, 10 363 mm crawlers, 1 524 mm treads, 9 754 mm live mast, 26 part boom hoist reeving, boom support straps, 101 600 kg crane counterweight, and 0 kg carbody counterweight.

Maximum Boom Lengths Lifted Unassisted		
List	Over End of Blocked Crawlers	Over Side of Crawlers
	Boom Length	Boom Length
0 Degree	72,0 m	66,0 m
1 Degree	72,0 m	66,0 m
2 Degree	72,0 m	66,0 m
3 Degree	72,0 m	66,0 m
Load block, hook and weight ball on barge deck at start.		

Third Line Deduct
Deduct 230 kg from boom capacities when boom is equipped for three line operation.

Liftcrane Boom Capacities

Boom No. 58 HL
 101 600 kg Crane Counterweight
 0 kg Carbody Counterweight
 Crawler Machine on a Barge
 0 Degree thru 3 Degree Machine List
 No Travel - 360 Degree Rating - Two Swing Drives



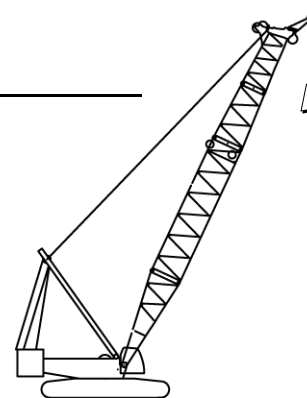
16000 SERIES 1

Oper. Radius Meters	Boom Angle Deg.	Boom Point Elev. Meters	0 Degree List Boom Capacity Kilograms	1 Degree List Boom Capacity Kilograms	2 Degree List Boom Capacity Kilograms	3 Degree List Boom Capacity Kilograms	Oper. Radius Meters
30,0 m							
6,4	82,9	32,3	372 000 *				6,4
7,0	81,7	32,2	341 000				7,0
8,0	79,8	32,0	270 300	237 600	210 400	179 900	8,0
10,0	75,8	31,5	179 000	163 500	149 300	137 100	10,0
12,0	71,8	30,8	131 900	123 100	114 500	106 700	12,0
14,0	67,7	30,0	103 200	97 600	91 800	86 500	14,0
16,0	63,4	29,0	83 900	80 000	75 900	72 100	16,0
18,0	59,0	27,8	70 000	67 200	64 200	61 300	18,0
20,0	54,3	26,3	59 500	57 400	55 100	52 900	20,0
22,0	49,2	24,6	51 300	49 700	47 900	46 200	22,0
24,0	43,8	22,6	44 600	43 400	42 000	40 600	24,0
26,0	37,6	20,1	39 200	38 200	37 100	36 000	26,0
28,0	30,4	16,8	34 500	33 800	33 000	32 100	28,0
30,0	20,7	12,2	30 500	30 000	29 400	28 800	30,0



Liftcrane Boom Capacities

Boom No. 58 HL
 101 600 kg Crane Counterweight
 0 kg Carbody Counterweight
 Crawler Machine on a Barge
 0 Degree thru 3 Degree Machine List
 No Travel - 360 Degree Rating - Two Swing Drives

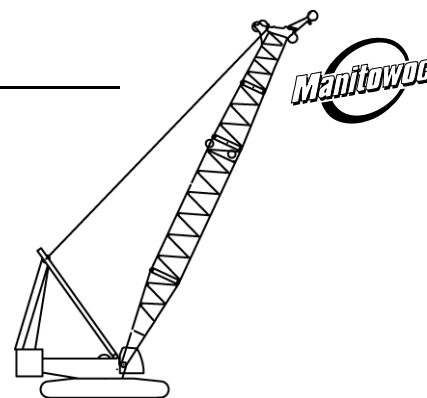


16000 SERIES 1

Oper. Radius Meters	Boom Angle Deg.	Boom Point Elev. Meters	0 Degree List Boom Capacity Kilograms	1 Degree List Boom Capacity Kilograms	2 Degree List Boom Capacity Kilograms	3 Degree List Boom Capacity Kilograms	Oper. Radius Meters
36,0 m							
7,3	82,6	38,2	326 500				7,3
8,0	81,5	38,1	271 200	233 300			8,0
10,0	78,3	37,7	179 400	161 200	145 000	131 400	10,0
12,0	75,0	37,1	132 200	121 700	111 700	103 000	12,0
14,0	71,6	36,5	103 400	96 600	89 900	83 800	14,0
16,0	68,2	35,7	84 000	79 300	74 400	70 000	16,0
18,0	64,6	34,7	70 100	66 600	63 000	59 600	18,0
20,0	61,0	33,6	59 600	57 000	54 200	51 600	20,0
22,0	57,2	32,3	51 300	49 300	47 100	45 000	22,0
24,0	53,3	30,8	44 700	43 100	41 300	39 600	24,0
26,0	49,1	29,1	39 300	38 000	36 500	35 100	26,0
28,0	44,6	27,1	34 700	33 700	32 500	31 400	28,0
30,0	39,6	24,7	30 800	30 000	29 000	28 100	30,0
32,0	34,1	21,9	27 400	26 800	26 000	25 200	32,0
34,0	27,5	18,2	24 500	24 000	23 300	22 700	34,0
36,0	18,7	13,1	21 900	21 500	21 000	20 500	36,0

Liftcrane Boom Capacities

Boom No. 58 HL
 101 600 kg Crane Counterweight
 0 kg Carbody Counterweight
 Crawler Machine on a Barge
 0 Degree thru 3 Degree Machine List
 No Travel - 360 Degree Rating - Two Swing Drives



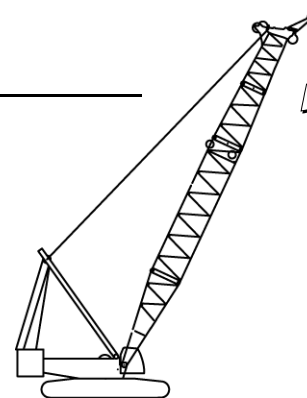
16000 SERIES 1

Oper. Radius Meters	Boom Angle Deg.	Boom Point Elev. Meters	0 Degree List Boom Capacity Kilograms	1 Degree List Boom Capacity Kilograms	2 Degree List Boom Capacity Kilograms	3 Degree List Boom Capacity Kilograms	Oper. Radius Meters
42,0 m							
7,9	82,8	44,2	277 300				7,9
8,0	82,7	44,2	272 700				8,0
10,0	80,0	43,8	180 000	159 000	141 200		10,0
12,0	77,2	43,4	132 600	120 400	109 200	99 600	12,0
14,0	74,3	42,8	103 700	95 800	88 100	81 400	14,0
16,0	71,4	42,1	84 200	78 700	73 200	68 200	16,0
18,0	68,5	41,3	70 300	66 200	62 000	58 200	18,0
20,0	65,5	40,4	59 800	56 700	53 400	50 400	20,0
22,0	62,4	39,4	51 500	49 100	46 500	44 100	22,0
24,0	59,3	38,2	44 900	42 900	40 800	38 900	24,0
26,0	56,0	36,8	39 400	37 900	36 100	34 500	26,0
28,0	52,5	35,3	34 900	33 600	32 100	30 700	28,0
30,0	48,9	33,6	31 000	30 000	28 700	27 500	30,0
32,0	45,1	31,6	27 700	26 800	25 800	24 800	32,0
34,0	41,0	29,3	24 700	24 000	23 200	22 300	34,0
36,0	36,5	26,7	22 200	21 600	20 900	20 200	36,0
38,0	31,4	23,5	19 900	19 400	18 800	18 200	38,0
40,0	25,3	19,6	17 900	17 500	17 000	16 500	40,0



Liftcrane Boom Capacities

Boom No. 58 HL
 101 600 kg Crane Counterweight
 0 kg Carbody Counterweight
 Crawler Machine on a Barge
 0 Degree thru 3 Degree Machine List
 No Travel - 360 Degree Rating - Two Swing Drives

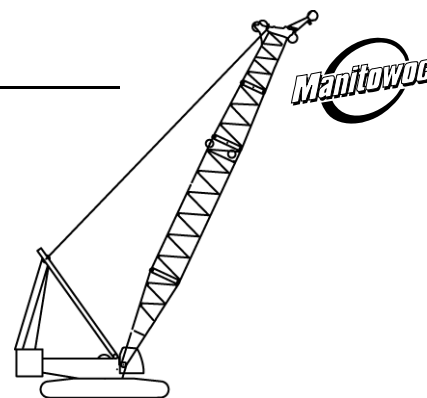


16000 SERIES 1

Oper. Radius Meters	Boom Angle Deg.	Boom Point Elev. Meters	0 Degree List Boom Capacity Kilograms	1 Degree List Boom Capacity Kilograms	2 Degree List Boom Capacity Kilograms	3 Degree List Boom Capacity Kilograms	Oper. Radius Meters
48,0 m							
8,5	83,0	50,2	240 400				8,5
10,0	81,2	49,9	180 100	156 800			10,0
12,0	78,8	49,5	132 600	118 700	106 400	96 100	12,0
14,0	76,3	49,0	103 600	94 500	86 100	78 700	14,0
16,0	73,8	48,5	84 000	77 700	71 600	66 100	16,0
18,0	71,3	47,8	70 000	65 400	60 700	56 500	18,0
20,0	68,8	47,0	59 400	55 900	52 200	48 900	20,0
22,0	66,2	46,1	51 100	48 300	45 400	42 700	22,0
24,0	63,5	45,1	44 500	42 300	39 900	37 600	24,0
26,0	60,7	44,0	39 000	37 200	35 200	33 300	26,0
28,0	57,9	42,7	34 500	33 000	31 300	29 700	28,0
30,0	55,0	41,3	30 600	29 400	27 900	26 600	30,0
32,0	52,0	39,8	27 300	26 200	25 000	23 900	32,0
34,0	48,8	38,0	24 400	23 500	22 500	21 400	34,0
36,0	45,5	36,1	21 900	21 100	20 200	19 300	36,0
38,0	42,0	33,9	19 600	18 900	18 100	17 400	38,0
40,0	38,1	31,4	17 600	17 000	16 400	15 700	40,0
42,0	33,9	28,5	15 800	15 300	14 700	14 100	42,0
44,0	29,2	25,1	14 100	13 700	13 200	12 700	44,0
46,0	23,5	20,8	12 600	12 300	11 900	11 500	46,0

Liftcrane Boom Capacities

Boom No. 58 HL
 101 600 kg Crane Counterweight
 0 kg Carbody Counterweight
 Crawler Machine on a Barge
 0 Degree thru 3 Degree Machine List
 No Travel - 360 Degree Rating - Two Swing Drives



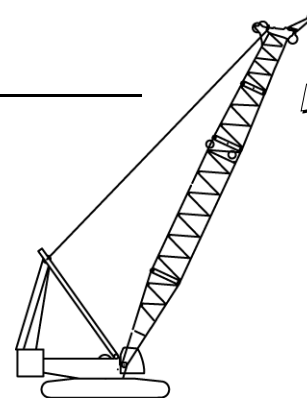
16000 SERIES 1

Oper. Radius Meters	Boom Angle Deg.	Boom Point Elev. Meters	0 Degree List Boom Capacity Kilograms	1 Degree List Boom Capacity Kilograms	2 Degree List Boom Capacity Kilograms	3 Degree List Boom Capacity Kilograms	Oper. Radius Meters
54,0 m							
9,8	82,5	56,0	188 500				9,8
10,0	82,2	56,0	180 800				10,0
12,0	80,1	55,7	132 600	117 200	103 900		12,0
14,0	77,9	55,2	103 500	93 400	84 200	76 300	14,0
16,0	75,7	54,7	83 900	76 800	70 100	64 200	16,0
18,0	73,5	54,1	69 900	64 600	59 500	54 900	18,0
20,0	71,2	53,4	59 300	55 300	51 200	47 500	20,0
22,0	69,0	52,7	51 000	47 800	44 600	41 500	22,0
24,0	66,7	51,8	44 300	41 800	39 100	36 600	24,0
26,0	64,3	50,8	38 900	36 800	34 500	32 400	26,0
28,0	61,9	49,8	34 300	32 600	30 700	28 900	28,0
30,0	59,4	48,6	30 400	28 900	27 300	25 800	30,0
32,0	56,9	47,3	27 100	25 900	24 400	23 100	32,0
34,0	54,3	45,8	24 200	23 100	21 900	20 800	34,0
36,0	51,6	44,2	21 600	20 700	19 700	18 700	36,0
38,0	48,8	42,5	19 400	18 600	17 700	16 800	38,0
40,0	45,8	40,6	17 400	16 700	15 900	15 100	40,0
42,0	42,7	38,4	15 600	15 000	14 300	13 600	42,0
44,0	39,4	36,0	13 900	13 400	12 800	12 200	44,0
46,0	35,8	33,3	12 500	12 000	11 500	10 900	46,0
48,0	31,9	30,2	11 100	10 700	10 200	9 800	48,0
50,0	27,4	26,5	9 900	9 500	9 100	8 700	50,0
52,0	22,1	21,9	8 700	8 400	8 100	7 800	52,0



Liftcrane Boom Capacities

Boom No. 58 HL
 101 600 kg Crane Counterweight
 0 kg Carbody Counterweight
 Crawler Machine on a Barge
 0 Degree thru 3 Degree Machine List
 No Travel - 360 Degree Rating - Two Swing Drives

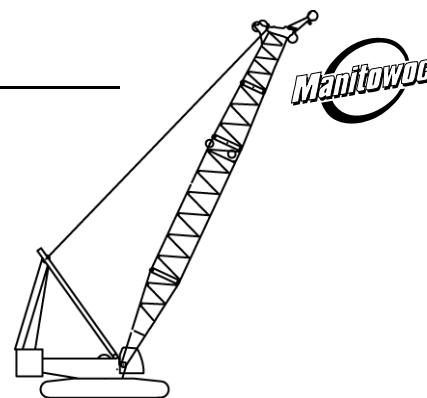


16000 SERIES 1

Oper. Radius Meters	Boom Angle Deg.	Boom Point Elev. Meters	0 Degree List Boom Capacity Kilograms	1 Degree List Boom Capacity Kilograms	2 Degree List Boom Capacity Kilograms	3 Degree List Boom Capacity Kilograms	Oper. Radius Meters
60,0 m							
10,4	82,6	62,0	169 500				10,4
12,0	81,1	61,8	132 500	115 600			12,0
14,0	79,1	61,4	103 200	92 000	82 100	73 900	14,0
16,0	77,2	60,9	83 600	75 700	68 400	62 100	16,0
18,0	75,2	60,4	69 500	63 600	58 000	53 100	18,0
20,0	73,2	59,8	58 800	54 400	49 900	46 000	20,0
22,0	71,2	59,1	50 500	47 000	43 400	40 100	22,0
24,0	69,1	58,3	43 800	41 000	38 000	35 300	24,0
26,0	67,0	57,5	38 400	36 000	33 500	31 300	26,0
28,0	64,9	56,5	33 800	31 800	29 700	27 800	28,0
30,0	62,8	55,5	29 900	28 200	26 400	24 700	30,0
32,0	60,6	54,4	26 500	25 100	23 600	22 100	32,0
34,0	58,4	53,1	23 700	22 400	21 100	19 800	34,0
36,0	56,1	51,8	21 100	20 000	18 900	17 700	36,0
38,0	53,7	50,3	18 800	17 900	16 900	15 900	38,0
40,0	51,2	48,7	16 800	16 000	15 100	14 200	40,0
42,0	48,7	47,0	15 000	14 300	13 500	12 700	42,0
44,0	46,1	45,1	13 400	12 800	12 100	11 300	44,0
46,0	43,3	43,0	11 900	11 400	10 700	10 100	46,0
48,0	40,4	40,6	10 600	10 100	9 500	9 000	48,0
50,0	37,2	38,0	9 300	8 900	8 400	7 900	50,0
52,0	33,9	35,1	8 200	7 800	7 400	6 900	52,0
54,0	30,1	31,8	7 100	6 800	6 400	6 000	54,0
56,0	25,9	27,8	6 200	5 900	5 500	5 200	56,0
58,0	20,9	23,0	5 200				58,0

Liftcrane Boom Capacities

Boom No. 58 HL
 101 600 kg Crane Counterweight
 0 kg Carbody Counterweight
 Crawler Machine on a Barge
 0 Degree thru 3 Degree Machine List
 No Travel - 360 Degree Rating - Two Swing Drives



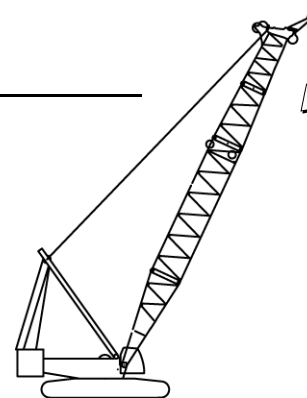
16000 SERIES 1

Oper. Radius Meters	Boom Angle Deg.	Boom Point Elev. Meters	0 Degree List Boom Capacity Kilograms	1 Degree List Boom Capacity Kilograms	2 Degree List Boom Capacity Kilograms	3 Degree List Boom Capacity Kilograms	Oper. Radius Meters
66,0 m							
11,0	82,8	68,0	153 700				11,0
12,0	81,9	67,8	132 300				12,0
14,0	80,1	67,5	103 000	90 800	80 400		14,0
16,0	78,3	67,1	83 300	74 700	66 800	60 300	16,0
18,0	76,6	66,6	69 200	62 800	56 700	51 500	18,0
20,0	74,8	66,0	58 500	53 600	48 800	44 600	20,0
22,0	72,9	65,4	50 200	46 300	42 400	38 900	22,0
24,0	71,1	64,7	43 500	40 300	37 100	34 200	24,0
26,0	69,3	64,0	38 000	35 400	32 700	30 200	26,0
28,0	67,4	63,1	33 400	31 200	28 900	26 800	28,0
30,0	65,5	62,2	29 500	27 700	25 700	23 900	30,0
32,0	63,5	61,2	26 200	24 600	22 900	21 300	32,0
34,0	61,5	60,1	23 200	21 900	20 400	19 000	34,0
36,0	59,5	59,0	20 700	19 500	18 200	17 000	36,0
38,0	57,5	57,7	18 400	17 400	16 200	15 100	38,0
40,0	55,4	56,3	16 500	15 500	14 500	13 500	40,0
42,0	53,2	54,8	14 600	13 800	12 900	12 000	42,0
44,0	51,0	53,2	13 000	12 300	11 500	10 700	44,0
46,0	48,7	51,5	11 500	10 900	10 200	9 400	46,0
48,0	46,3	49,5	10 200	9 600	8 900	8 300	48,0
50,0	43,8	47,5	9 000	8 500	7 900	7 300	50,0
52,0	41,1	45,2	7 800	7 400	6 800	6 300	52,0
54,0	38,4	42,7	6 800	6 400	5 900	5 400	54,0
56,0	35,4	40,0	5 800	5 500	5 000		56,0
58,0	32,2	36,8	4 900				58,0
60,0	28,7	33,3	4 100				60,0



Liftcrane Boom Capacities

Boom No. 58 HL
 101 600 kg Crane Counterweight
 0 kg 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 Meters	Boom Angle Deg.	Boom Point Elev. Meters	0 Degree List Boom Capacity Kilograms	1 Degree List Boom Capacity Kilograms	2 Degree List Boom Capacity Kilograms	3 Degree List Boom Capacity Kilograms	Oper. Radius Meters
72,0 m							
11,6	82,9	74,0	140 200				11,6
12,0	82,6	73,9	132 300				12,0
14,0	81,0	73,6	102 700	89 800			14,0
16,0	79,3	73,2	82 900	73 500	65 400	58 300	16,0
18,0	77,7	72,8	68 700	61 700	55 300	49 700	18,0
20,0	76,1	72,3	58 000	52 600	47 500	43 000	20,0
22,0	74,4	71,7	49 700	45 400	41 200	37 500	22,0
24,0	72,7	71,1	42 900	39 500	36 000	32 900	24,0
26,0	71,1	70,4	37 400	34 500	31 700	29 000	26,0
28,0	69,4	69,6	32 800	30 400	27 900	25 700	28,0
30,0	67,6	68,8	28 900	26 900	24 700	22 800	30,0
32,0	65,9	67,9	25 500	23 800	21 900	20 200	32,0
34,0	64,1	66,9	22 600	21 100	19 500	17 900	34,0
36,0	62,3	65,9	20 100	18 700	17 300	16 000	36,0
38,0	60,5	64,8	17 800	16 700	15 400	14 200	38,0
40,0	58,6	63,5	15 800	14 800	13 600	12 500	40,0
42,0	56,7	62,2	14 000	13 100	12 000	11 100	42,0
44,0	54,8	60,8	12 300	11 600	10 600	9 800	44,0
46,0	52,8	59,3	10 900	10 200	9 300	8 500	46,0
48,0	50,7	57,7	9 500	8 900	8 100	7 400	48,0
50,0	48,6	55,9	8 300	7 700	7 000	6 400	50,0
52,0	46,4	54,0	7 200	6 700	6 000	5 400	52,0
54,0	44,2	52,0	6 100	5 700	5 100		54,0
56,0	41,8	49,8	5 200	4 700			56,0
58,0	39,3	47,3	4 300				58,0