

Liftcrane Boom Capacities

Boom No. B10:82A
67 860 kg Crane Counterweight
0 kg Carbody Counterweight
Crawler Machine on a Barge
0 Degree thru 3 Degree Static Machine List
No Travel - 360 Degree Rating

MLC250 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 may be based on percent of static tipping or strength of structural components. Capacities must be reduced by applicable deducts.

Upper boom point capacity for liftcrane service with single part whip line from Drum 1 or Drum 2 is 13 380 kg or 26 760 kg with two part whip line. When Drum 3 is used, capacity with single part whip line is 9 070 kg or 18 140 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 and jib point sheaves is considered part of 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.

BOOM BACKWARD STABILITY: Capacities indicated by (b) require 5 670 kg minimum weight. **Caution: Do not operate in areas indicated by (b) without required minimum weight. Boom may not lower and boom hoist wire rope may go slack causing wire rope damage or failure.**

OPERATING CONDITIONS: Machine to operate on a firm and uniformly supporting surface with gantry up and machine list not to exceed degrees noted. Refer to Boom Rigging **No. 80137888**, Wire Rope Specifications chart **No. 9909-A**, Counterweight Arrangements chart **No. 9893-A**, and Wind Conditions chart **No. 9908-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 the Operator 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 (°) 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 8 585 mm crawlers, 1 200 mm or 1 524 mm treads, 3 124 mm retractable gantry, 9 144 mm live mast, 20 part boom hoist reeving, and boom support straps.

Consult chart **No. 9923-AM** when Jib No. 134 is attached.

Deduct From Capacities When Jib No. 134 Is Attached			
Jib Length (m)	Jib Offset Angle		
	5°	15°	25°
	Deduct (kg)		
9,1	2 275	2 600	3 100
12,2	2 650	3 325	4 050
15,2	3 050	4 000	5 000
18,3	3 500	4 725	5 900
21,3	3 825	5 275	6 775
24,4	4 225	5 875	7 675
Weight of jib and 1 360 kg suspended beneath jib point have been included in determination of deduct.			

Refer to Tables 1 and 2 for raising ability with the maximum weight of all load blocks, hooks, weight ball, slings, and hoist lines beneath boom point sheaves. For block weights shown with #, load blocks, hooks, weight ball, and slings must remain on barge deck until combined weights are within rated capacity of chart. For boom lengths shown with (a), upper boom point must be removed. Raising is not permitted in shaded areas of table.

Combined weight beneath boom point sheaves must not exceed block weight shown.

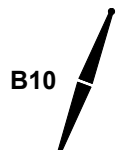
Table 1

Over End or Side of Crawlers					
Boom Length (m)	Maximum Number of Lower Boom Point Sheaves	Machine List			
		0°	1°	2°	3°
		Block Weight (kg)			
21,3 - 48,8	8	4 525	4 525	4 525	4 525
51,8	8	4 150	3 850	3 850	3 850
54,9	8	3 125	2 800	2 800	2 800
57,9	8	2 025	1 700	1 700	1 700
61,0	8	#	#	#	#
64,0	8	#	#	#	#
67,1	8	#	Raising Not Permitted		
70,1	8				
73,2 (a)	8				
76,2 (a)	2				

Table 2

Over End of Blocked Crawlers					
Boom Length (m)	Maximum Number of Lower Boom Point Sheaves	Machine List			
		0°	1°	2°	3°
		Block Weight (kg)			
21,3 - 48,8	8	4 525	4 525	4 525	4 525
51,8	8	4 425	3 850	3 850	3 850
54,9	8	3 525	2 800	2 800	2 800
57,9	8	2 525	2 125	2 125	2 125
61,0	8	2 075	1 800	1 800	1 800
64,0	8	1 900	1 625	1 625	1 625
67,1	8	#	#	#	#
70,1	8	#	#	#	#
73,2 (a)	8	#	#	#	#
76,2 (a)	2	#	Raising Not Permitted		
Warning: Crane must remain in-line with crawlers when raising over end of blocked crawlers until operating radius is within 360 degree chart. <i>Crane tipping or structural damage can occur.</i>					

Explanation of Symbols



Boom No. B10:82A



Crane Counterweight
+
Carbody Counterweight



360 Degree Rating



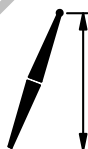
Boom Length



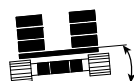
Operating Radius
(see page 1)



Boom Angle
(see page 1)



Boom Point Elevation
(see page 1)

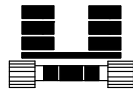


Machine List



Lifting Capacities
(see page 1)

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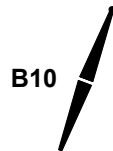
67 860 kg
+
0 kg



360°

m	°	m	kg	kg	kg	kg	m
4,9	82,8	23,6	204 500 b				4,9
5,0	82,5	23,6	200 000 b				5,0
5,2	81,6	23,5	193 200 b	180 700 b			5,2
5,5	81,1	23,5	183 000 b	171 500 b			5,5
5,8	79,8	23,4	174 500 b	164 000 b	154 300 b		5,8
6,0	79,7	23,4	168 800 b	158 900 b	148 700 b		6,0
6,1	78,7	23,3	166 200 b	156 100 b	145 600 b	122 600 b	6,1
7,0	77,0	23,1	142 900 b	130 400 b	117 900 b	106 000 b	7,0
8,0	74,2	22,8	114 200	104 500	96 200	89 000	8,0
9,0	71,3	22,5	94 000	87 200	81 200	75 900	9,0
10,0	68,4	22,1	79 500	74 500	70 000	65 900	10,0
11,0	65,5	21,6	68 600	64 800	61 300	58 100	11,0
12,0	62,5	21,1	60 200	57 200	54 400	51 800	12,0
14,0	56,1	19,8	48 000	46 000	44 100	42 400	14,0
16,0	49,1	18,2	39 700	38 300	37 000	35 700	16,0
18,0	41,3	16,1	33 300	32 400	31 400	30 500	18,0
20,0	31,9	13,2	28 500	27 800	27 200	26 500	20,0
21,3	23,7	10,4	25 800	25 300	24 800	24 300	21,3

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67 860 kg
+
0 kg

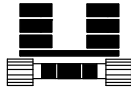


m	°	m	kg	kg	kg	kg	m
5,2	83,0	26,6	193 100 b				5,2
5,5	82,2	26,6	182 700 b				5,5
5,8	81,4	26,5	174 100 b	162 200 b			5,8
6,0	81,0	26,5	168 400 b	157 300 b			6,0
6,1	80,7	26,4	165 900 b	154 500 b	142 200 b		6,1
6,7	78,9	26,3	150 500 b	137 400 b	124 200 b	110 000 b	6,7
7,0	78,6	26,3	142 800 b	128 800 b	115 200 b	104 000 b	7,0
8,0	76,2	26,0	114 300	103 500	94 300	86 500	8,0
9,0	73,8	25,7	94 000	86 400	79 800	74 000	9,0
10,0	71,3	25,4	79 500	73 900	68 900	64 400	10,0
11,0	68,8	25,0	68 600	64 200	60 300	56 800	11,0
12,0	66,2	24,5	60 200	56 800	53 600	50 800	12,0
14,0	60,9	23,5	47 900	45 600	43 500	41 500	14,0
16,0	55,2	22,1	39 600	38 000	36 500	35 000	16,0
18,0	49,1	20,5	33 300	32 100	31 000	29 900	18,0
20,0	42,4	18,4	28 500	27 600	26 800	26 000	20,0
22,0	34,5	15,8	24 700	24 100	23 400	22 800	22,0
24,0	24,5	12,0	21 600	21 100	20 700	20 200	24,0
24,4	22,0	11,0	21 000	20 600	20 200	19 800	24,4

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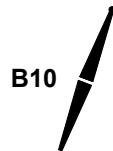
67 860 kg
+
0 kg



360°

0°	1°	2°	3°	0°	1°	2°	3°
kg	kg	kg	kg	kg	kg	kg	kg
5,8	82,5	29,6	173 700 b				5,8
6,0	82,0	29,6	168 100 b				6,0
6,1	81,7	29,5	165 600 b	153 500 b			6,1
6,7	79,9	29,4	150 300 b	136 000 b	119 600 b		6,7
7,0	79,9	29,4	142 700 b	127 300 b	112 600 b		7,0
7,3	78,4	29,3	134 200 b	119 800 b	106 600 b	94 700 b	7,3
8,0	77,8	29,2	114 400	102 500	92 500	84 200	8,0
9,0	75,6	28,9	94 100	85 600	78 400	72 200	9,0
10,0	73,4	28,6	79 600	73 300	67 800	62 900	10,0
11,0	71,2	28,2	68 600	63 700	59 500	55 600	11,0
12,0	69,0	27,9	60 200	56 300	52 900	49 700	12,0
14,0	64,4	26,9	47 900	45 300	42 900	40 800	14,0
16,0	59,6	25,8	39 500	37 700	36 000	34 400	16,0
18,0	54,5	24,4	33 200	31 900	30 600	29 400	18,0
20,0	49,1	22,8	28 400	27 400	26 400	25 500	20,0
22,0	43,2	20,8	24 600	23 900	23 100	22 400	22,0
24,0	36,4	18,2	21 600	20 900	20 400	19 800	24,0
26,0	28,3	14,9	19 000	18 500	18 100	17 600	26,0
27,4	20,7	11,5	17 300	17 000	16 700	16 300	27,4

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67 860 kg
+
0 kg

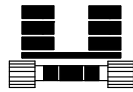


m	°	m	kg	kg	kg	kg	m
6,1	82,7	32,6	165 500 b				6,1
6,7	80,7	32,5	150 400 b	134 400 b			6,7
7,0	80,9	32,5	142 800 b	125 800 b			7,0
7,3	79,7	32,4	134 300 b	118 500 b	103 100 b		7,3
7,9	79,1	32,3	117 400 b	104 000 b	92 600 b	83 000	7,9
8,0	79,0	32,3	114 600	101 500	90 900	82 000	8,0
9,0	77,1	32,1	94 200	85 000	77 200	70 500	9,0
10,0	75,1	31,8	79 700	72 800	66 900	61 700	10,0
11,0	73,2	31,5	68 700	63 400	58 700	54 600	11,0
12,0	71,2	31,1	60 300	56 100	52 300	48 900	12,0
14,0	67,1	30,3	48 000	45 100	42 500	40 200	14,0
16,0	62,9	29,3	39 600	37 600	35 700	33 900	16,0
18,0	58,6	28,1	33 300	31 800	30 400	29 000	18,0
20,0	54,0	26,7	28 500	27 300	26 200	25 200	20,0
22,0	49,1	25,1	24 700	23 800	23 000	22 100	22,0
24,0	43,8	23,1	21 700	20 900	20 300	19 600	24,0
26,0	37,9	20,7	19 100	18 500	18 000	17 500	26,0
28,0	31,0	17,6	17 000	16 500	16 100	15 700	28,0
30,0	22,2	13,4	15 100	14 800	14 400	14 100	30,0
30,5	19,5	12,0	14 700	14 400	14 100	13 800	30,5

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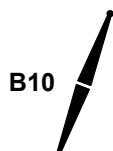
67 860 kg
+
0 kg



360°

m	°	m	kg	kg	kg	kg	m
6,7	82,3	35,6	150 800				6,7
7,0	81,8	35,6	142 700				7,0
7,3	80,7	35,5	134 300	115 300			7,3
7,9	80,1	35,4	117 400	102 600	90 200		7,9
8,0	80,0	35,4	114 600	100 500	89 100		8,0
8,5	79,0	35,3	104 400	92 300	82 500	73 500	8,5
9,0	78,3	35,2	94 200	84 200	75 800	68 800	9,0
10,0	76,5	34,9	79 600	72 100	65 800	60 300	10,0
11,0	74,8	34,7	68 600	62 800	57 800	53 400	11,0
12,0	73,0	34,4	60 200	55 600	51 500	47 900	12,0
14,0	69,3	33,6	47 800	44 700	41 900	39 400	14,0
16,0	65,6	32,7	39 500	37 200	35 200	33 300	16,0
18,0	61,7	31,7	33 200	31 500	29 900	28 400	18,0
20,0	57,7	30,5	28 300	27 000	25 800	24 700	20,0
22,0	53,5	29,1	24 600	23 600	22 600	21 700	22,0
24,0	49,1	27,4	21 500	20 700	19 900	19 200	24,0
26,0	44,3	25,4	18 900	18 300	17 700	17 000	26,0
28,0	39,0	23,1	16 800	16 300	15 800	15 300	28,0
30,0	33,1	20,2	15 000	14 500	14 100	13 700	30,0
32,0	25,8	16,5	13 400	13 000	12 700	12 400	32,0
33,5	18,6	12,5	12 300	12 000	11 700	11 500	33,5

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67 860 kg
+
0 kg

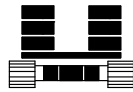


m	°	m	kg	kg	kg	kg	m
6,7	82,9	38,7	147 100				6,7
7,0	82,5	38,7	140 800				7,0
7,3	81,4	38,6	133 000	114 100			7,3
7,9	80,2	38,5	117 300	101 600	88 500		7,9
8,0	80,9	38,5	114 700	99 500	87 500		8,0
9,0	79,3	38,3	94 300	83 500	74 600		9,0
9,1	78,8	38,3	92 800	82 300	73 600	65 900	9,1
10,0	77,7	38,1	79 700	71 600	64 800	59 000	10,0
11,0	76,1	37,8	68 600	62 400	57 000	52 400	11,0
12,0	74,4	37,5	60 200	55 200	50 900	47 100	12,0
14,0	71,1	36,9	47 800	44 500	41 400	38 700	14,0
16,0	67,8	36,1	39 500	37 000	34 800	32 800	16,0
18,0	64,3	35,2	33 100	31 300	29 600	28 000	18,0
20,0	60,7	34,1	28 300	26 900	25 600	24 300	20,0
22,0	57,0	32,8	24 600	23 400	22 400	21 400	22,0
24,0	53,2	31,4	21 500	20 600	19 700	18 900	24,0
26,0	49,1	29,7	18 900	18 200	17 500	16 800	26,0
28,0	44,7	27,7	16 800	16 200	15 600	15 100	28,0
30,0	40,0	25,5	15 000	14 500	14 000	13 500	30,0
32,0	34,7	22,7	13 400	13 000	12 600	12 200	32,0
34,0	28,5	19,3	12 000	11 700	11 400	11 000	34,0
36,0	20,6	14,7	10 800	10 500	10 300	10 000	36,0
36,6	17,7	13,0	10 400	10 200	10 000	9 700	36,6

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B10



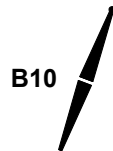
67 860 kg
+
0 kg



360°

m	°	m	kg	kg	kg	kg	m
7,3	82,6	41,7	133 800				7,3
7,9	81,1	41,6	117 500	99 800			7,9
8,0	81,6	41,6	114 800	98 500			8,0
8,5	80,5	41,5	104 500	90 600	78 700		8,5
9,0	80,1	41,4	94 300	82 700	73 400		9,0
9,1	79,8	41,4	92 800	81 500	72 400	64 400	9,1
10,0	78,6	41,2	79 700	71 000	63 800	57 800	10,0
11,0	77,2	41,0	68 600	61 900	56 200	51 400	11,0
12,0	75,7	40,7	60 200	54 800	50 200	46 200	12,0
14,0	72,6	40,1	47 800	44 100	40 900	38 000	14,0
16,0	69,6	39,4	39 400	36 700	34 400	32 200	16,0
18,0	66,4	38,5	33 000	31 100	29 200	27 600	18,0
20,0	63,2	37,6	28 200	26 700	25 300	23 900	20,0
22,0	59,9	36,4	24 500	23 200	22 100	21 000	22,0
24,0	56,4	35,1	21 400	20 400	19 500	18 600	24,0
26,0	52,8	33,7	18 800	18 000	17 200	16 500	26,0
28,0	49,1	32,0	16 700	16 000	15 400	14 800	28,0
30,0	45,1	30,1	14 900	14 300	13 800	13 300	30,0
32,0	40,7	27,8	13 300	12 800	12 400	11 900	32,0
34,0	36,0	25,2	11 900	11 500	11 100	10 800	34,0
36,0	30,5	22,0	10 700	10 400	10 100	9 800	36,0
38,0	24,0	18,0	9 600	9 300	9 100	8 800	38,0
39,6	17,0	13,4	8 800	8 600	8 400	8 200	39,6

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67 860 kg
+
0 kg

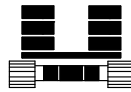


m	°	m	kg	kg	kg	kg	m
7,9	82,3	44,7	116 500				7,9
8,0	82,2	44,7	114 800				8,0
8,5	81,0	44,6	104 500	88 400			8,5
9,0	80,8	44,5	94 300	82 000			9,0
9,1	79,9	44,5	92 800	80 800	70 600		9,1
9,8	79,2	44,4	82 600	72 700	64 600	58 300	9,8
10,0	79,5	44,3	79 600	70 400	62 900	56 600	10,0
11,0	78,1	44,1	68 600	61 400	55 500	50 400	11,0
12,0	76,7	43,9	60 100	54 400	49 500	45 300	12,0
14,0	73,9	43,3	47 700	43 800	40 400	37 400	14,0
16,0	71,1	42,6	39 300	36 500	34 000	31 700	16,0
18,0	68,2	41,9	33 000	30 900	28 900	27 100	18,0
20,0	65,3	41,0	28 200	26 500	25 000	23 600	20,0
22,0	62,2	39,9	24 400	23 100	21 800	20 700	22,0
24,0	59,1	38,8	21 300	20 200	19 200	18 300	24,0
26,0	55,9	37,5	18 800	17 900	17 000	16 200	26,0
28,0	52,6	36,0	16 600	15 900	15 200	14 500	28,0
30,0	49,1	34,3	14 800	14 200	13 600	13 000	30,0
32,0	45,4	32,4	13 200	12 700	12 200	11 700	32,0
34,0	41,4	30,2	11 900	11 400	11 000	10 600	34,0
36,0	37,0	27,7	10 700	10 300	9 900	9 600	36,0
38,0	32,2	24,7	9 600	9 300	8 900	8 600	38,0
40,0	26,6	21,0	8 600	8 300	8 100	7 800	40,0
42,0	19,4	16,0	7 700	7 500	7 300	7 100	42,0
42,7	16,3	13,8	7 400	7 200	7 000	6 900	42,7

MLC250 S-1



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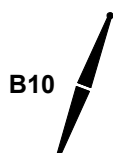
67 860 kg
+
0 kg



360°

m	°	m	kg	kg	kg	kg	m
7,9	82,8	47,8	116 500				7,9
8,0	82,7	47,8	114 800				8,0
9,0	81,4	47,6	94 200				9,0
9,1	80,9	47,6	92 800	79 200			9,1
9,8	80,2	47,5	82 500	71 900	63 800		9,8
10,0	80,2	47,4	79 600	69 800	61 900		10,0
10,4	79,2	47,3	75 100	66 200	59 000	53 000	10,4
11,0	78,9	47,2	68 400	60 900	54 600	49 300	11,0
12,0	77,6	47,0	60 000	53 900	48 800	44 400	12,0
14,0	75,0	46,5	47 500	43 400	39 800	36 700	14,0
16,0	72,4	45,9	39 100	36 100	33 400	31 000	16,0
18,0	69,7	45,1	32 800	30 500	28 500	26 600	18,0
20,0	67,0	44,3	28 000	26 200	24 600	23 100	20,0
22,0	64,3	43,4	24 200	22 800	21 400	20 200	22,0
24,0	61,4	42,3	21 100	19 900	18 900	17 800	24,0
26,0	58,5	41,1	18 500	17 600	16 700	15 800	26,0
28,0	55,5	39,8	16 400	15 600	14 900	14 100	28,0
30,0	52,3	38,3	14 600	13 900	13 300	12 700	30,0
32,0	49,1	36,6	13 000	12 400	11 900	11 300	32,0
34,0	45,6	34,7	11 600	11 200	10 700	10 200	34,0
36,0	41,9	32,5	10 400	10 000	9 600	9 200	36,0
38,0	37,9	30,1	9 400	9 000	8 600	8 300	38,0
40,0	33,6	27,2	8 400	8 100	7 800	7 500	40,0
42,0	28,6	23,8	7 500	7 300	7 000	6 800	42,0
44,0	22,6	19,4	6 700	6 500	6 300	6 100	44,0
45,7	15,7	14,2	6 100	5 900	5 700	5 600	45,7

MLC250 S-1



67 860 kg
+
0 kg

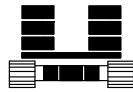


m	°	m	kg	kg	kg	kg	m
8,5	82,5	50,8	102 700				8,5
9,0	82,0	50,7	94 200				9,0
9,1	80,9	50,7	92 700	78 500			9,1
10,0	80,8	50,5	79 500	69 200			10,0
10,4	79,6	50,4	75 100	65 600	58 100		10,4
11,0	79,6	50,3	68 400	60 400	53 800	48 500	11,0
12,0	78,4	50,1	59 900	53 500	48 100	43 500	12,0
14,0	76,0	49,6	47 500	43 100	39 300	36 000	14,0
16,0	73,5	49,1	39 100	35 900	33 000	30 500	16,0
18,0	71,1	48,4	32 700	30 300	28 100	26 100	18,0
20,0	68,5	47,6	27 800	26 000	24 200	22 700	20,0
22,0	66,0	46,8	24 100	22 600	21 200	19 900	22,0
24,0	63,4	45,8	21 000	19 800	18 600	17 500	24,0
26,0	60,7	44,7	18 400	17 400	16 400	15 500	26,0
28,0	57,9	43,5	16 300	15 400	14 600	13 900	28,0
30,0	55,1	42,1	14 500	13 800	13 100	12 400	30,0
32,0	52,1	40,6	12 900	12 300	11 700	11 100	32,0
34,0	49,1	38,9	11 500	11 000	10 500	10 000	34,0
36,0	45,8	37,0	10 300	9 900	9 400	9 000	36,0
38,0	42,4	34,9	9 300	8 800	8 500	8 100	38,0
40,0	38,7	32,5	8 300	7 900	7 600	7 300	40,0
42,0	34,7	29,7	7 400	7 100	6 800	6 500	42,0
44,0	30,2	26,5	6 600	6 400	6 100	5 900	44,0
46,0	25,0	22,5	5 900	5 700	5 500	5 300	46,0
48,0	18,5	17,3	5 200	5 100	4 900	4 700	48,0
48,8	15,2	14,6	5 000	4 800	4 700	4 500	48,8

MLC250 S-1



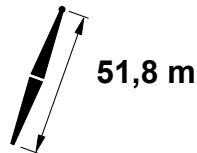
B10

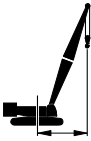
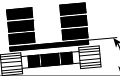
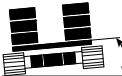
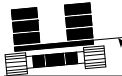
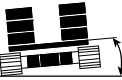


67 860 kg
+
0 kg

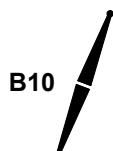


360°



51,8 m							
 m	 °	 m	 0° kg	 1° kg	 2° kg	 3° kg	 m
8,5	83,0	53,8	102 600				8,5
9,0	82,5	53,8	94 200				9,0
9,8	81,2	53,6	82 400	70 900			9,8
10,0	81,3	53,6	79 400	68 600			10,0
10,4	80,6	53,5	75 000	65 100	57 200		10,4
11,0	80,2	53,4	68 300	59 900	53 000		11,0
11,6	79,4	53,3	63 200	55 800	49 700	44 500	11,6
12,0	79,1	53,2	59 800	53 000	47 400	42 700	12,0
14,0	76,8	52,8	47 300	42 700	38 800	35 300	14,0
16,0	74,5	52,3	38 900	35 500	32 600	30 000	16,0
18,0	72,2	51,6	32 500	30 000	27 700	25 700	18,0
20,0	69,9	50,9	27 700	25 700	23 900	22 200	20,0
22,0	67,5	50,1	23 900	22 300	20 800	19 500	22,0
24,0	65,1	49,2	20 800	19 500	18 300	17 200	24,0
26,0	62,6	48,2	18 300	17 200	16 200	15 200	26,0
28,0	60,0	47,0	16 200	15 200	14 400	13 500	28,0
30,0	57,4	45,8	14 300	13 500	12 800	12 100	30,0
32,0	54,7	44,4	12 700	12 100	11 400	10 800	32,0
34,0	52,0	42,9	11 400	10 800	10 200	9 700	34,0
36,0	49,1	41,2	10 200	9 700	9 200	8 700	36,0
38,0	46,0	39,3	9 100	8 700	8 200	7 800	38,0
40,0	42,8	37,2	8 100	7 800	7 400	7 000	40,0
42,0	39,4	34,9	7 300	6 900	6 600	6 300	42,0
44,0	35,7	32,2	6 500	6 200	5 900	5 600	44,0
46,0	31,6	29,1	5 800	5 500	5 300	5 000	46,0
48,0	27,0	25,4	5 100	4 900	4 700	4 500	48,0
50,0	21,5	20,8	4 500	4 300	4 100	4 000	50,0
50,3	20,5	20,0	4 400	4 200	4 100	3 900	50,3

MLC250 S-1



67 860 kg
+
0 kg

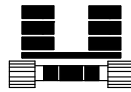


m	°	m	kg	kg	kg	kg	m
9,1	82,7	56,8	91 500				9,1
10,0	81,8	56,7	79 400				10,0
10,4	80,6	56,6	74 900	64 500			10,4
11,0	80,8	56,5	68 200	59 400	52 400		11,0
12,0	79,7	56,4	59 700	52 600	46 800		12,0
12,2	78,8	56,3	58 500	51 600	45 900	41 100	12,2
14,0	77,6	55,9	47 200	42 400	38 300	34 700	14,0
16,0	75,4	55,4	38 800	35 200	32 200	29 400	16,0
18,0	73,2	54,8	32 400	29 700	27 300	25 200	18,0
20,0	71,0	54,2	27 600	25 500	23 600	21 900	20,0
22,0	68,8	53,4	23 800	22 100	20 600	19 100	22,0
24,0	66,5	52,5	20 700	19 300	18 000	16 900	24,0
26,0	64,2	51,6	18 100	17 000	15 900	14 900	26,0
28,0	61,9	50,6	16 000	15 000	14 100	13 300	28,0
30,0	59,5	49,4	14 200	13 400	12 600	11 800	30,0
32,0	57,0	48,1	12 600	11 900	11 200	10 600	32,0
34,0	54,4	46,7	11 200	10 600	10 000	9 500	34,0
36,0	51,8	45,2	10 000	9 500	9 000	8 500	36,0
38,0	49,0	43,5	9 000	8 500	8 000	7 600	38,0
40,0	46,2	41,6	8 000	7 600	7 200	6 800	40,0
42,0	43,2	39,5	7 100	6 800	6 400	6 100	42,0
44,0	40,0	37,2	6 400	6 000	5 700	5 400	44,0
46,0	36,6	34,6	5 700	5 400	5 100	4 800	46,0
48,0	32,8	31,7	5 000	4 800	4 500	4 300	48,0
50,0	28,6	28,2	4 400	4 200	4 000	3 800	50,0
52,0	23,8	24,0	3 800	3 700	3 500	3 300	52,0
53,3	19,9	20,5	3 500	3 300	3 200	3 000	53,3

MLC250 S-1



B10



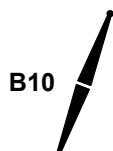
67 860 kg
+
0 kg



360°

m	o	m	kg	kg	kg	kg	m
9,8	82,5	59,8	82 400				9,8
10,0	82,3	59,8	79 300				10,0
10,4	81,6	59,7	74 800	63 900			10,4
11,0	81,3	59,6	68 100	58 800			11,0
11,6	80,4	59,5	63 000	54 800	48 200		11,6
12,0	80,3	59,5	59 600	52 100	46 100		12,0
12,8	79,2	59,3	54 600	48 100	42 700	38 000	12,8
14,0	78,2	59,1	47 100	42 000	37 700	34 000	14,0
16,0	76,2	58,6	38 600	34 900	31 700	28 800	16,0
18,0	74,2	58,0	32 200	29 400	26 900	24 700	18,0
20,0	72,1	57,4	27 400	25 200	23 200	21 400	20,0
22,0	70,0	56,7	23 600	21 800	20 200	18 700	22,0
24,0	67,8	55,9	20 500	19 000	17 700	16 400	24,0
26,0	65,7	55,0	17 900	16 700	15 600	14 500	26,0
28,0	63,5	54,0	15 800	14 800	13 800	12 900	28,0
30,0	61,2	52,9	14 000	13 100	12 200	11 500	30,0
32,0	58,9	51,7	12 400	11 600	10 900	10 200	32,0
34,0	56,6	50,4	11 000	10 300	9 700	9 100	34,0
36,0	54,1	49,0	9 800	9 200	8 700	8 100	36,0
38,0	51,6	47,5	8 700	8 200	7 700	7 300	38,0
40,0	49,0	45,8	7 800	7 300	6 900	6 500	40,0
42,0	46,3	43,9	6 900	6 500	6 100	5 800	42,0
44,0	43,5	41,9	6 100	5 800	5 400	5 100	44,0
46,0	40,5	39,6	5 400	5 100	4 800	4 500	46,0
48,0	37,3	37,1	4 800	4 500	4 200	4 000	48,0
50,0	33,9	34,2	4 200	3 900	3 700	3 500	50,0
52,0	30,0	30,9	3 600	3 400	3 200	3 000	52,0
54,0	25,7	27,0	3 100	2 900	2 700	2 600	54,0
56,0	20,5	22,2	2 600	2 500	2 300	2 200	56,0
56,4	19,4	21,0	2 500	2 400	2 200	2 100	56,4

MLC250 S-1



67 860 kg
+
0 kg

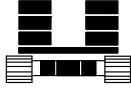


m	°	m	kg	kg	kg	kg	m
9,8	82,9	62,9	80 200				9,8
10,0	82,7	62,9	78 000				10,0
11,0	81,7	62,7	68 000	58 500			11,0
12,0	80,7	62,6	59 500	51 700			12,0
12,2	79,8	62,5	58 200	50 700	44 500		12,2
12,8	79,2	62,4	54 500	47 700	42 000	36 000	12,8
14,0	78,8	62,2	47 000	41 600	37 200	33 400	14,0
16,0	76,9	61,7	38 500	34 600	31 200	28 300	16,0
18,0	75,0	61,2	32 100	29 100	26 500	24 200	18,0
20,0	73,0	60,6	27 200	24 900	22 800	21 000	20,0
22,0	71,0	59,9	23 400	21 600	19 900	18 300	22,0
24,0	69,0	59,2	20 300	18 800	17 400	16 100	24,0
26,0	67,0	58,3	17 800	16 500	15 300	14 200	26,0
28,0	64,9	57,4	15 600	14 500	13 500	12 600	28,0
30,0	62,8	56,4	13 800	12 900	12 000	11 200	30,0
32,0	60,7	55,3	12 200	11 400	10 700	9 900	32,0
34,0	58,5	54,1	10 900	10 200	9 500	8 900	34,0
36,0	56,2	52,8	9 600	9 000	8 400	7 900	36,0
38,0	53,9	51,3	8 600	8 000	7 500	7 000	38,0
40,0	51,5	49,8	7 600	7 100	6 700	6 200	40,0
42,0	49,0	48,1	6 800	6 300	5 900	5 500	42,0
44,0	46,5	46,2	6 000	5 600	5 200	4 900	44,0
46,0	43,8	44,2	5 300	4 900	4 600	4 300	46,0
48,0	41,0	41,9	4 600	4 300	4 000	3 700	48,0
50,0	38,0	39,5	4 000	3 800	3 500	3 200	50,0
52,0	34,8	36,7	3 500	3 200	3 000	2 800	52,0
54,0	31,2	33,5	3 000	2 800	2 600	2 400	54,0
56,0	27,3	29,9	2 500	2 300	2 100	2 000	56,0
56,4	26,0	29,0	2 400	2 200	2 000	1 900	56,4
57,9	23,0	25,7	2 100	1 900			57,9

MLC250 S-1

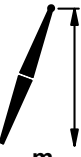
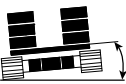
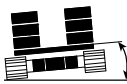
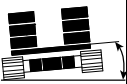
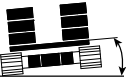


B10

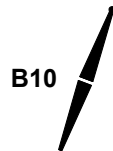

$$\begin{array}{r} 67\,860\text{ kg} \\ + \\ 0\text{ kg} \\ \hline \end{array}$$


360°

64,0 m

 64,0 m							
 m	 °	 m	 0° kg	 1° kg	 2° kg	 3° kg	 m
10,4	82,7	65,9	74 600				10,4
11,0	82,1	65,8	67 900				11,0
11,6	81,4	65,7	62 800	53 800			11,6
12,0	81,2	65,6	59 400	51 200			12,0
12,8	80,2	65,5	54 400	47 200	40 600		12,8
13,4	79,6	65,4	50 600	44 300	38 600	31 900	13,4
14,0	79,4	65,3	46 800	41 300	36 600	31 800	14,0
16,0	77,5	64,8	38 400	34 300	30 800	27 800	16,0
18,0	75,7	64,4	31 900	28 800	26 100	23 800	18,0
20,0	73,8	63,8	27 100	24 600	22 500	20 600	20,0
22,0	72,0	63,1	23 300	21 300	19 500	17 900	22,0
24,0	70,1	62,4	20 200	18 500	17 100	15 700	24,0
26,0	68,1	61,6	17 600	16 200	15 000	13 900	26,0
28,0	66,2	60,8	15 500	14 300	13 300	12 300	28,0
30,0	64,2	59,8	13 600	12 600	11 700	10 900	30,0
32,0	62,2	58,8	12 000	11 200	10 400	9 600	32,0
34,0	60,1	57,7	10 700	9 900	9 200	8 600	34,0
36,0	58,0	56,4	9 500	8 800	8 200	7 600	36,0
38,0	55,9	55,1	8 400	7 800	7 300	6 700	38,0
40,0	53,7	53,7	7 400	6 900	6 400	6 000	40,0
42,0	51,4	52,1	6 600	6 100	5 700	5 300	42,0
44,0	49,0	50,4	5 800	5 400	5 000	4 600	44,0
46,0	46,6	48,5	5 100	4 700	4 400	4 000	46,0
48,0	44,1	46,5	4 400	4 100	3 800	3 500	48,0
50,0	41,4	44,3	3 800	3 500	3 300	3 000	50,0
52,0	38,6	41,9	3 300	3 000	2 800	2 500	52,0
54,0	35,6	39,2	2 800	2 600	2 300	2 100	54,0
54,9	33,7	37,8	2 600	2 400	2 100	1 900	54,9
56,0	32,3	36,1	2 300	2 100	1 900		56,0
56,4	31,2	35,4	2 200	2 000	1 800		56,4
57,9	28,9	32,8	1 900				57,9

MLC250 S-1



67 860 kg
+
0 kg

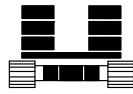


m	°	m	kg	kg	kg	kg	m
10,4	83,0	69,0	70 400				10,4
11,0	82,5	68,9	67 800				11,0
11,6	81,4	68,8	62 700	48 500			11,6
12,0	81,6	68,7	59 300	48 500			12,0
12,8	80,2	68,6	54 200	45 400	36 200		12,8
14,0	79,9	68,4	46 700	40 900	36 100	28 300	14,0
16,0	78,1	68,0	38 200	33 900	30 300	26 900	16,0
18,0	76,4	67,5	31 800	28 600	25 800	23 300	18,0
20,0	74,6	67,0	26 900	24 400	22 100	20 200	20,0
22,0	72,8	66,4	23 100	21 100	19 200	17 600	22,0
24,0	71,0	65,7	20 000	18 300	16 800	15 400	24,0
26,0	69,2	64,9	17 400	16 000	14 700	13 500	26,0
28,0	67,3	64,1	15 300	14 100	13 000	12 000	28,0
30,0	65,5	63,2	13 500	12 400	11 500	10 600	30,0
32,0	63,6	62,2	11 900	11 000	10 100	9 400	32,0
34,0	61,6	61,2	10 500	9 700	9 000	8 300	34,0
36,0	59,6	60,0	9 300	8 600	8 000	7 400	36,0
38,0	57,6	58,8	8 200	7 600	7 000	6 500	38,0
40,0	55,6	57,4	7 300	6 700	6 200	5 700	40,0
42,0	53,5	56,0	6 400	5 900	5 500	5 000	42,0
44,0	51,3	54,4	5 600	5 200	4 800	4 400	44,0
46,0	49,0	52,7	4 900	4 500	4 200	3 800	46,0
48,0	46,7	50,8	4 300	3 900	3 600	3 300	48,0
50,0	44,3	48,8	3 700	3 400	3 100	2 800	50,0
52,0	41,8	46,6	3 100	2 800	2 600	2 300	52,0
53,3	39,7	45,0	2 800	2 500	2 300	2 000	53,3
54,0	39,1	44,2	2 600	2 400	2 100		54,0
54,9	37,7	43,1	2 400	2 200	1 900		54,9
56,0	36,3	41,6	2 200	1 900			56,0
56,4	35,7	41,1	2 100	1 800			56,4

MLC250 S-1



B10



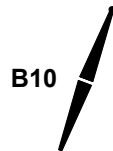
67 860 kg
+
0 kg



360°

m	o	m	kg	kg	kg	kg	m
11,0	82,8	72,0	63 600				11,0
12,0	82,0	71,8	59 100				12,0
12,2	80,9	71,8	57 900	43 300			12,2
13,4	80,3	71,6	50 300	41 400	32 400		13,4
14,0	80,3	71,5	46 500	40 500	32 300		14,0
14,6	79,4	71,4	44 000	38 400	31 600	25 000	14,6
16,0	78,6	71,1	38 000	33 600	29 900	24 900	16,0
18,0	77,0	70,6	31 600	28 200	25 300	22 800	18,0
20,0	75,3	70,1	26 700	24 000	21 700	19 700	20,0
22,0	73,6	69,5	22 900	20 700	18 800	17 100	22,0
24,0	71,9	68,9	19 800	18 000	16 400	15 000	24,0
26,0	70,1	68,2	17 200	15 700	14 400	13 200	26,0
28,0	68,4	67,4	15 100	13 800	12 700	11 600	28,0
30,0	66,6	66,6	13 200	12 100	11 100	10 200	30,0
32,0	64,8	65,6	11 600	10 700	9 800	9 000	32,0
34,0	63,0	64,6	10 300	9 400	8 700	8 000	34,0
36,0	61,1	63,5	9 000	8 300	7 600	7 000	36,0
38,0	59,2	62,4	8 000	7 300	6 700	6 200	38,0
40,0	57,3	61,1	7 000	6 400	5 900	5 400	40,0
42,0	55,3	59,7	6 100	5 600	5 200	4 700	42,0
44,0	53,3	58,3	5 400	4 900	4 500	4 100	44,0
46,0	51,2	56,7	4 700	4 200	3 900	3 500	46,0
48,0	49,0	55,0	4 000	3 600	3 300	2 900	48,0
50,0	46,8	53,1	3 400	3 100	2 800	2 500	50,0
51,8	44,2	51,3	2 900	2 600	2 300	2 000	51,8
52,0	44,5	51,1	2 900	2 600	2 300		52,0
53,3	42,7	49,7	2 500	2 300	2 000		53,3
54,0	42,1	49,0	2 400	2 100			54,0
54,9	40,7	48,0	2 200	1 900			54,9
56,0	39,6	46,6	1 900				56,0
56,4	39,1	46,1	1 800				56,4

MLC250 S-1

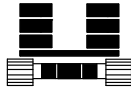


67 860 kg
+
0 kg



m	°	m	kg	kg	kg	kg	m
11,6	82,6	75,0	57 600				11,6
12,0	82,3	74,9	57 400				12,0
12,8	81,2	74,8	53 000	38 800			12,8
14,0	80,7	74,6	46 400	38 600	29 000		14,0
15,2	79,4	74,3	41 300	35 400	28 500	22 200	15,2
16,0	79,1	74,2	37 900	33 300	28 200	22 100	16,0
18,0	77,5	73,8	31 400	27 900	24 900	21 900	18,0
20,0	75,9	73,3	26 500	23 800	21 400	19 300	20,0
22,0	74,3	72,7	22 700	20 500	18 500	16 800	22,0
24,0	72,6	72,1	19 600	17 800	16 100	14 600	24,0
26,0	71,0	71,4	17 000	15 500	14 100	12 800	26,0
28,0	69,3	70,7	14 900	13 600	12 400	11 300	28,0
30,0	67,6	69,9	13 000	11 900	10 900	9 900	30,0
32,0	65,9	69,0	11 400	10 500	9 600	8 700	32,0
34,0	64,2	68,0	10 100	9 200	8 400	7 700	34,0
36,0	62,4	67,0	8 900	8 100	7 400	6 700	36,0
38,0	60,6	65,9	7 800	7 100	6 500	5 900	38,0
40,0	58,8	64,7	6 800	6 200	5 700	5 100	40,0
42,0	56,9	63,4	6 000	5 400	4 900	4 400	42,0
44,0	55,0	62,1	5 200	4 700	4 200	3 800	44,0
46,0	53,1	60,6	4 500	4 000	3 600	3 200	46,0
48,0	51,1	59,0	3 800	3 400	3 100	2 700	48,0
50,0	49,0	57,3	3 200	2 900	2 500	2 200	50,0
51,8	46,3	55,6	2 700	2 400	2 100	1 800	51,8
52,0	46,9	55,4	2 700	2 400			52,0
53,3	44,7	54,1	2 400	2 100			53,3
54,0	44,7	53,5	2 200				54,0
54,9	43,7	52,6	2 000				54,9

B10



67 860 kg
+
0 kg



 m	 °	 m	 0° kg
11,6	82,9	78,0	52 700
12,0	82,6	78,0	52 400
14,0	81,1	77,7	46 600
16,0	79,6	77,3	38 000
18,0	78,0	76,9	31 600
20,0	76,5	76,4	26 700
22,0	74,9	75,9	22 900
24,0	73,4	75,3	19 700
26,0	71,8	74,7	17 200
28,0	70,2	74,0	15 000
30,0	68,6	73,2	13 200
32,0	66,9	72,3	11 600
34,0	65,3	71,4	10 200
36,0	63,6	70,5	9 000
38,0	61,9	69,4	7 900
40,0	60,2	68,3	7 000
42,0	58,4	67,1	6 100
44,0	56,6	65,8	5 300
46,0	54,8	64,4	4 600
48,0	52,9	62,9	4 000
50,0	51,0	61,3	3 400
52,0	49,0	59,6	2 800
54,0	47,0	57,8	2 300
56,0	44,9	55,8	1 900
56,4	44,5	55,4	1 800