


Liftcrane Boom Capacities

Boom No. B10:290
33 120 kg Crane Counterweight
10 500 kg Carbody Counterweight
Crawler Machine on a Barge
0 Degree thru 3 Degree Static Machine List
No Travel - 360 Degree Rating

MLC100A-1 SERIES 2


 **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 3 is 9 070 kg. When Drum 1 or Drum 2 is used, capacity with single part whip line is 12 520 kg. 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 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: A minimum of 2 parts hoist line is required when using Drum 2 or 3 on 16,0 m boom length to maintain boom stability at high boom angles. **Caution: Do not operate using Drum 2 or 3 without required parts of hoist line.** 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 machine list not to exceed degrees noted. Refer to Boom Rigging **No. 80121889**, Wire Rope Specifications chart **No. 9800-A**, Counterweight Arrangements chart **No. 9794-A**, and Wind Conditions chart **No. 9799-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 6 480 mm crawlers, 900 mm treads, 4 390 mm gantry, 8 part boom hoist reeving, two 32 mm boom pendants, 33 120 kg crane counterweight, and 10 500 kg carbody counterweight.

Consult chart **No. 9811-AM** when Jib No. 117 is attached.

Upper Boom Point Deduct
Deduct 260 kg from capacities when upper boom point is attached. Deduct does not apply to 16,0 m thru 19,0 m boom lengths.

Third Line Deduct
Deduct 120 kg from capacities when boom top is equipped with optional 3rd sheave wire rope guide.

Deduct From Capacities When Jib No. 117 Is Attached	
Jib Length (m)	Deduct (kg)
9,1	2 050
12,2	2 400
15,2	2 800
18,3	3 350
Weight of jib and 325 kg suspended beneath jib point have been included in determination of deduct.	

Refer to Table 1 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. Raising is not permitted in shaded areas of table.

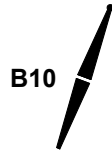
Combined weight beneath boom point sheaves must not exceed block weight shown.

Table 1

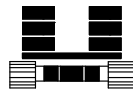
Boom Length (m)	Over End or Side of Crawlers	
	Machine List	
	0°	1° - 3°
	Block Weight (kg)	
16,0 - 49,0	1 725	1 725
52,0	1 200	325
55,0 - 61,0	325	#

REFERENCE ONLY!

Explanation of Symbols



Boom No. B10:290



Crane Counterweight
+
Carbody Counterweight



360 Degree Rating



Boom Length



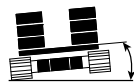
Operating Radius
(see page 1)



Boom Angle
(see page 1)



Boom Point Elevation
(see page 1)

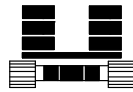
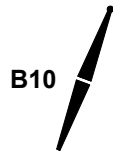


Machine List



Lifting Capacities
(see page 1)

MLC100A-1 S-2



33 120 kg
+
10 500 kg



m	°	m	kg	kg	kg	kg	m
4,0	80,6	17,9	88 300				4,0
4,5	78,7	17,8	81 200	70 200			4,5
5,0	76,8	17,6	73 400	68 300	58 200	50 400	5,0
5,5	75,0	17,5	67 000	63 600	57 100	49 500	5,5
6,0	73,1	17,4	61 600	57 600	53 000	45 800	6,0
6,5	71,2	17,2	55 200	51 200	47 500	42 200	6,5
7,0	69,3	17,0	49 400	45 900	42 900	39 000	7,0
7,5	67,4	16,8	44 400	41 600	39 000	36 200	7,5
8,0	65,4	16,6	40 300	37 900	35 800	33 800	8,0
9,0	61,4	16,0	34 000	32 300	30 700	29 200	9,0
10,0	57,2	15,4	29 300	28 000	26 800	25 700	10,0
11,0	52,7	14,7	25 700	24 700	23 700	22 800	11,0
12,0	48,0	13,9	22 800	22 000	21 300	20 600	12,0
13,0	42,9	12,8	20 500	19 900	19 300	18 700	13,0
14,0	37,3	11,6	18 600	18 000	17 600	17 100	14,0
15,0	30,7	10,1	16 900	16 500	16 100	15 700	15,0

REFERENCIA

MLC100A-1 S-2



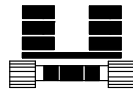
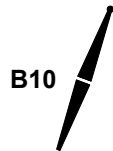
33 120 kg
 +
10 500 kg



 19,0 m							
m	°	m	kg	kg	kg	kg	m
4,6	80,3	20,8	79 300				4,6
5,0	78,9	20,7	73 300	61 800			5,0
5,5	77,4	20,6	66 800	60 400	50 500	43 300	5,5
6,0	75,8	20,5	61 500	56 700	49 500	42 600	6,0
6,5	74,3	20,3	55 200	50 600	46 000	41 300	6,5
7,0	72,7	20,2	49 400	45 400	41 900	38 700	7,0
7,5	71,1	20,0	44 400	41 100	38 200	35 700	7,5
8,0	69,5	19,8	40 300	37 500	35 100	32 900	8,0
9,0	66,2	19,4	34 000	32 000	30 200	28 500	9,0
10,0	62,8	18,9	29 300	27 800	26 400	25 100	10,0
11,0	59,4	18,3	25 700	24 500	23 300	22 300	11,0
12,0	55,8	17,7	22 800	21 900	20 900	20 100	12,0
13,0	52,0	16,9	20 500	19 700	18 900	18 200	13,0
14,0	48,0	16,1	18 500	17 900	17 300	16 700	14,0
15,0	43,8	15,1	16 900	16 400	15 800	15 300	15,0
16,0	39,1	13,9	15 500	15 100	14 700	14 200	16,0
17,0	34,0	12,5	14 300	13 900	13 600	13 200	17,0
18,0	28,0	10,8	13 200	12 900	12 600	12 300	18,0

REFERENCE ONLY

MLC100A-1 S-2



33 120 kg
+
10 500 kg



360°

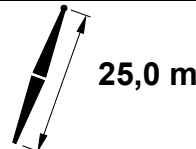
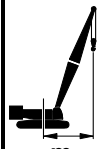


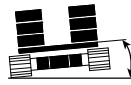

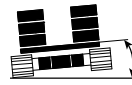

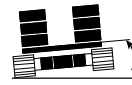

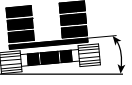

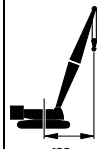
22,0 m															
m		°		m		kg		kg		kg		kg		m	
4,9	80,8	23,8				72 100								4,9	
5,0	80,5	23,8				71 600								5,0	
5,5	79,1	23,7				66 900		54 900						5,5	
6,0	77,8	23,6				61 500		53 800		44 600				6,0	
6,5	76,5	23,5				55 400		49 700		43 800		37 600		6,5	
7,0	75,1	23,3				49 500		45 000		41 200		36 600		7,0	
7,5	73,8	23,2				44 500		40 800		37 600		34 900		7,5	
8,0	72,4	23,0				40 400		37 300		34 600		32 200		8,0	
9,0	69,6	22,7				34 100		31 900		29 800		28 000		9,0	
10,0	66,8	22,3				29 500		27 700		26 100		24 700		10,0	
11,0	64,0	21,8				25 800		24 400		23 200		22 000		11,0	
12,0	61,0	21,3				23 000		21 800		20 800		19 900		12,0	
13,0	58,0	20,6				20 600		19 700		18 800		18 000		13,0	
14,0	54,8	20,0				18 700		17 900		17 200		16 500		14,0	
15,0	51,5	19,2				17 000		16 400		15 800		15 200		15,0	
16,0	48,1	18,3				15 700		15 100		14 600		14 100		16,0	
17,0	44,4	17,4				14 400		14 000		13 500		13 100		17,0	
18,0	40,5	16,2				13 400		13 000		12 600		12 200		18,0	
19,0	36,3	15,0				12 500		12 100		11 800		11 500		19,0	
20,0	31,6	13,4				11 600		11 300		11 000		10 800		20,0	
21,0	26,0	11,6				10 900		10 600		10 400		10 200		21,0	

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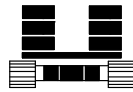
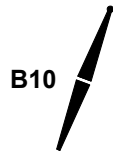



33 120 kg
 +
10 500 kg



							
 m	 °	 m	 0°  kg	 1°  kg	 2°  kg	 3°  kg	 m
5,5	80,5	26,7	64 700				5,5
6,0	79,3	26,6	61 400	49 200			6,0
6,5	78,1	26,5	55 300	47 800			6,5
7,0	76,9	26,4	49 500	44 500	38 800	33 300	7,0
7,5	75,8	26,3	44 500	40 400	36 900	32 600	7,5
8,0	74,6	26,1	40 400	36 900	33 900	31 300	8,0
9,0	72,2	25,8	34 100	31 500	29 300	27 300	9,0
10,0	69,7	25,5	29 400	27 400	25 700	24 100	10,0
11,0	67,3	25,1	25 700	24 200	22 800	21 500	11,0
12,0	64,7	24,6	22 900	21 600	20 500	19 400	12,0
13,0	62,2	24,1	20 500	19 500	18 600	17 700	13,0
14,0	59,5	23,5	18 600	17 700	16 900	16 200	14,0
15,0	56,8	22,9	17 000	16 200	15 500	14 900	15,0
16,0	54,0	22,2	15 600	15 000	14 400	13 800	16,0
17,0	51,1	21,4	14 400	13 800	13 300	12 800	17,0
18,0	48,1	20,6	13 300	12 800	12 400	12 000	18,0
19,0	44,9	19,6	12 400	12 000	11 600	11 200	19,0
20,0	41,5	18,5	11 500	11 200	10 800	10 500	20,0
21,0	37,9	17,3	10 800	10 500	10 200	9 900	21,0
22,0	33,9	15,9	10 100	9 900	9 600	9 300	22,0
23,0	29,5	14,2	9 500	9 300	9 100	8 800	23,0
24,0	24,3	12,2	9 000	8 800	8 600	8 400	24,0

MLC100A-1 S-2



33 120 kg
+
10 500 kg



28,0 m

m	°	m	kg	kg	kg	kg	kg	m	
5,8	80,9	29,7	58 600					5,8	
6,0	80,5	29,7	57 900					6,0	
6,5	79,4	29,6	54 300					6,5	
7,0	78,4	29,5	49 500	42 600	35 600			7,0	
7,5	77,3	29,4	44 500	40 000	34 800	29 800		7,5	
8,0	76,3	29,3	40 300	36 600	33 300	29 300		8,0	
9,0	74,2	29,0	34 100	31 300	28 800	26 700		9,0	
10,0	72,0	28,7	29 400	27 200	25 300	23 600		10,0	
11,0	69,8	28,3	25 700	24 000	22 500	21 100		11,0	
12,0	67,6	27,9	22 900	21 500	20 200	19 100		12,0	
13,0	65,4	27,5	20 500	19 400	18 300	17 300		13,0	
14,0	63,1	27,0	18 600	17 600	16 700	15 900		14,0	
15,0	60,8	26,5	16 900	16 100	15 400	14 600		15,0	
16,0	58,4	25,9	15 600	14 900	14 200	13 600		16,0	
17,0	56,0	25,2	14 300	13 700	13 200	12 600		17,0	
18,0	53,4	24,5	13 300	12 800	12 200	11 800		18,0	
19,0	50,8	23,7	12 400	11 900	11 400	11 000		19,0	
20,0	48,1	22,8	11 500	11 100	10 700	10 300		20,0	
21,0	45,3	21,9	10 800	10 400	10 100	9 700		21,0	
22,0	42,3	20,8	10 100	9 800	9 500	9 200		22,0	
23,0	39,1	19,6	9 500	9 200	8 900	8 700		23,0	
24,0	35,7	18,3	9 000	8 700	8 500	8 200		24,0	
25,0	32,0	16,8	8 500	8 200	8 000	7 800		25,0	
26,0	27,9	15,0	8 000	7 800	7 600	7 400		26,0	
27,0	23,0	12,8	7 600	7 400	7 200	7 100		27,0	

MLC100A-1 S-2



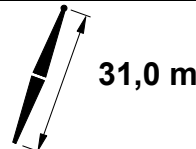
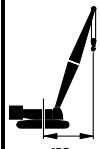


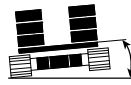
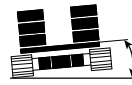
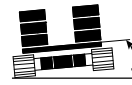
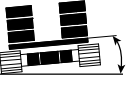
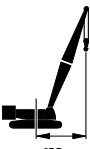


 33 120 kg

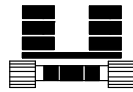
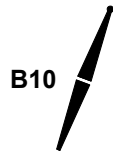
 +

 10 500 kg



								
 m	 °	 m	 0°	 1°	 2°	 3°	 m	
			kg	kg	kg	kg		
6,7	80,1	32,6	51 900				6,7	
7,0	79,5	32,6	49 100				7,0	
7,5	78,6	32,5	44 400	38 800	32 200		7,5	
8,0	77,6	32,3	40 300	36 200	31 600	26 800	8,0	
9,0	75,7	32,1	34 000	30 900	28 300	25 800	9,0	
10,0	73,8	31,8	29 300	26 900	24 900	23 100	10,0	
11,0	71,9	31,5	25 600	23 800	22 100	20 600	11,0	
12,0	69,9	31,1	22 800	21 300	19 900	18 700	12,0	
13,0	67,9	30,8	20 400	19 200	18 000	17 000	13,0	
14,0	65,9	30,3	18 500	17 400	16 500	15 600	14,0	
15,0	63,8	29,8	16 900	16 000	15 100	14 300	15,0	
16,0	61,8	29,3	15 500	14 700	14 000	13 300	16,0	
17,0	59,6	28,7	14 300	13 600	12 900	12 300	17,0	
18,0	57,5	28,1	13 200	12 600	12 000	11 500	18,0	
19,0	55,2	27,4	12 300	11 700	11 300	10 800	19,0	
20,0	52,9	26,7	11 400	11 000	10 500	10 100	20,0	
21,0	50,6	25,9	10 700	10 300	9 900	9 500	21,0	
22,0	48,1	25,0	10 000	9 700	9 300	9 000	22,0	
23,0	45,6	24,1	9 400	9 100	8 800	8 500	23,0	
24,0	42,9	23,0	8 900	8 600	8 300	8 000	24,0	
25,0	40,1	21,9	8 400	8 100	7 900	7 600	25,0	
26,0	37,1	20,6	7 900	7 700	7 400	7 200	26,0	
27,0	33,8	19,2	7 500	7 300	7 100	6 900	27,0	
28,0	30,3	17,6	7 100	6 900	6 700	6 500	28,0	

MLC100A-1 S-2



33 120 kg
+
10 500 kg



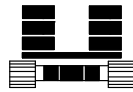
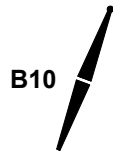
m	°	m	0° kg	1° kg	2° kg	3° kg	m	
6,7	80,9	35,7	48 000					6,7
7,0	80,4	35,6	47 000					7,0
7,5	79,6	35,5	44 400	36 300				7,5
8,0	78,7	35,4	40 200	35 500	29 100			8,0
9,0	77,0	35,2	33 900	30 600	27 600	23 900		9,0
10,0	75,3	34,9	29 200	26 700	24 500	22 600		10,0
11,0	73,5	34,6	25 600	23 600	21 800	20 200		11,0
12,0	71,7	34,3	22 700	21 100	19 600	18 300		12,0
13,0	69,9	34,0	20 400	19 000	17 800	16 700		13,0
14,0	68,1	33,6	18 400	17 300	16 200	15 300		14,0
15,0	66,3	33,1	16 800	15 800	14 900	14 100		15,0
16,0	64,4	32,7	15 400	14 600	13 800	13 000		16,0
17,0	62,5	32,2	14 200	13 400	12 700	12 100		17,0
18,0	60,6	31,6	13 100	12 500	11 900	11 300		18,0
19,0	58,7	31,0	12 200	11 600	11 100	10 600		19,0
20,0	56,7	30,4	11 300	10 800	10 400	9 900		20,0
21,0	54,6	29,7	10 600	10 200	9 700	9 300		21,0
22,0	52,5	28,9	9 900	9 500	9 200	8 800		22,0
23,0	50,3	28,1	9 300	9 000	8 600	8 300		23,0
24,0	48,1	27,3	8 800	8 500	8 100	7 800		24,0
25,0	45,8	26,3	8 300	8 000	7 700	7 400		25,0
26,0	43,3	25,3	7 800	7 600	7 300	7 000		26,0
27,0	40,8	24,2	7 400	7 200	6 900	6 700		27,0
28,0	38,1	22,9	7 000	6 800	6 600	6 400		28,0
29,0	35,3	21,6	6 700	6 500	6 300	6 100		29,0
30,0	32,2	20,0	6 300	6 100	6 000	5 800		30,0
31,0	28,9	18,3	6 000	5 900	5 700	5 500		31,0
32,0	25,1	16,3	5 700	5 600	5 400	5 300		32,0

MLC100A-1 S-2



 m	 °	 m	 0° kg	 1° kg	 2° kg	 3° kg	 m
7,3	80,7	38,6	43 600				7,3
7,5	80,4	38,6	42 700				7,5
8,0	79,7	38,5	40 200	33 100			8,0
9,0	78,1	38,3	33 900	30 300	26 200		9,0
10,0	76,5	38,0	29 200	26 400	24 100	21 400	10,0
11,0	74,9	37,8	25 500	23 300	21 400	19 800	11,0
12,0	73,3	37,5	22 600	20 900	19 300	17 900	12,0
13,0	71,6	37,2	20 300	18 800	17 500	16 300	13,0
14,0	70,0	36,8	18 300	17 100	16 000	14 900	14,0
15,0	68,3	36,4	16 700	15 600	14 700	13 800	15,0
16,0	66,7	36,0	15 300	14 400	13 600	12 800	16,0
17,0	65,0	35,5	14 100	13 300	12 500	11 800	17,0
18,0	63,2	35,0	13 000	12 300	11 700	11 000	18,0
19,0	61,5	34,5	12 100	11 500	10 900	10 300	19,0
20,0	59,7	33,9	11 200	10 700	10 200	9 700	20,0
21,0	57,9	33,3	10 500	10 000	9 500	9 100	21,0
22,0	56,0	32,7	9 800	9 400	9 000	8 600	22,0
23,0	54,1	32,0	9 200	8 800	8 400	8 100	23,0
24,0	52,2	31,2	8 700	8 300	8 000	7 600	24,0
25,0	50,2	30,4	8 200	7 900	7 500	7 200	25,0
26,0	48,1	29,5	7 700	7 400	7 100	6 900	26,0
27,0	46,0	28,6	7 300	7 000	6 800	6 500	27,0
28,0	43,8	27,6	6 900	6 700	6 400	6 200	28,0
29,0	41,5	26,5	6 600	6 300	6 100	5 900	29,0
30,0	39,1	25,3	6 200	6 000	5 800	5 600	30,0
31,0	36,5	24,0	5 900	5 700	5 500	5 400	31,0
32,0	33,8	22,5	5 600	5 400	5 300	5 100	32,0
33,0	30,9	20,9	5 300	5 200	5 000	4 900	33,0
34,0	27,7	19,1	5 100	4 900	4 800	4 700	34,0
35,0	24,1	17,0	4 800	4 700	4 600	4 500	35,0

MLC100A-1 S-2



33 120 kg
+
10 500 kg



m	°	m	kg	kg	kg	kg	kg	m
7,9	80,6	41,5	39 600					7,9
8,0	80,4	41,5	39 200					8,0
9,0	79,0	41,3	33 800	29 600				9,0
10,0	77,5	41,1	29 100	26 200	23 400	19 900		10,0
11,0	76,0	40,9	25 400	23 100	21 100	19 400		11,0
12,0	74,6	40,6	22 600	20 700	19 000	17 500		12,0
13,0	73,1	40,3	20 200	18 600	17 200	16 000		13,0
14,0	71,6	40,0	18 300	16 900	15 700	14 700		14,0
15,0	70,0	39,6	16 600	15 500	14 400	13 500		15,0
16,0	68,5	39,2	15 300	14 300	13 400	12 500		16,0
17,0	66,9	38,8	14 000	13 200	12 400	11 600		17,0
18,0	65,4	38,4	13 000	12 200	11 500	10 800		18,0
19,0	63,8	37,9	12 000	11 400	10 700	10 100		19,0
20,0	62,2	37,4	11 200	10 600	10 000	9 500		20,0
21,0	60,5	36,8	10 400	9 900	9 400	8 900		21,0
22,0	58,9	36,2	9 800	9 300	8 800	8 400		22,0
23,0	57,2	35,6	9 200	8 700	8 300	7 900		23,0
24,0	55,4	34,9	8 600	8 200	7 900	7 500		24,0
25,0	53,7	34,2	8 100	7 800	7 400	7 100		25,0
26,0	51,9	33,4	7 700	7 300	7 000	6 700		26,0
27,0	50,0	32,6	7 200	6 900	6 700	6 400		27,0
28,0	48,1	31,7	6 900	6 600	6 300	6 100		28,0
29,0	46,1	30,8	6 500	6 200	6 000	5 800		29,0
30,0	44,1	29,8	6 200	5 900	5 700	5 500		30,0
31,0	42,0	28,7	5 900	5 600	5 400	5 200		31,0
32,0	39,8	27,5	5 600	5 400	5 200	5 000		32,0
33,0	37,5	26,3	5 300	5 100	4 900	4 800		33,0
34,0	35,0	24,9	5 000	4 900	4 700	4 600		34,0
35,0	32,4	23,4	4 800	4 600	4 500	4 300		35,0
36,0	29,6	21,7	4 600	4 400	4 300	4 200		36,0
37,0	26,6	19,8	4 400	4 200	4 100	4 000		37,0
38,0	23,1	17,6	4 200	4 000	3 900	3 800		38,0

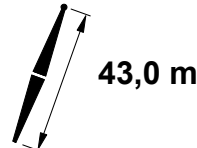
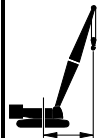


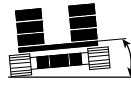
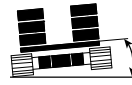
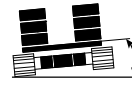
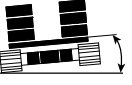
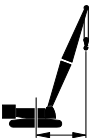
MLC100A-1 S-2



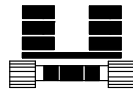
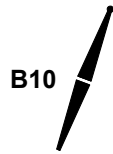


 33 120 kg
 +
 10 500 kg



								
 m	 °	 m	 0° kg	 1° kg	 2° kg	 3° kg	 m	
8,5	80,4	44,5	35 300					8,5
9,0	79,8	44,4	33 500					9,0
10,0	78,4	44,2	29 000	25 900	21 800			10,0
11,0	77,0	44,0	25 300	22 900	20 800	17 900		11,0
12,0	75,7	43,7	22 500	20 500	18 700	17 100		12,0
13,0	74,3	43,5	20 100	18 400	17 000	15 700		13,0
14,0	72,9	43,2	18 200	16 700	15 500	14 400		14,0
15,0	71,5	42,8	16 500	15 300	14 200	13 200		15,0
16,0	70,1	42,5	15 200	14 100	13 100	12 300		16,0
17,0	68,7	42,1	13 900	13 000	12 200	11 400		17,0
18,0	67,2	41,7	12 900	12 000	11 300	10 600		18,0
19,0	65,8	41,2	11 900	11 200	10 500	9 900		19,0
20,0	64,3	40,8	11 100	10 400	9 800	9 300		20,0
21,0	62,8	40,3	10 300	9 800	9 200	8 700		21,0
22,0	61,3	39,7	9 700	9 200	8 700	8 200		22,0
23,0	59,7	39,1	9 100	8 600	8 200	7 700		23,0
24,0	58,2	38,5	8 500	8 100	7 700	7 300		24,0
25,0	56,6	37,9	8 000	7 600	7 300	6 900		25,0
26,0	55,0	37,2	7 600	7 200	6 900	6 500		26,0
27,0	53,3	36,5	7 100	6 800	6 500	6 200		27,0
28,0	51,6	35,7	6 800	6 500	6 200	5 900		28,0
29,0	49,9	34,9	6 400	6 100	5 800	5 600		29,0
30,0	48,1	34,0	6 100	5 800	5 600	5 300		30,0
31,0	46,3	33,1	5 700	5 500	5 300	5 100		31,0
32,0	44,4	32,1	5 500	5 200	5 000	4 800		32,0
33,0	42,5	31,0	5 200	5 000	4 800	4 600		33,0
34,0	40,5	29,8	4 900	4 700	4 600	4 400		34,0
35,0	38,3	28,6	4 700	4 500	4 300	4 200		35,0
36,0	36,1	27,3	4 500	4 300	4 200	4 000		36,0
37,0	33,8	25,8	4 300	4 100	4 000	3 800		37,0
38,0	31,3	24,3	4 000	3 900	3 800	3 700		38,0
39,0	28,6	22,5	3 900	3 700	3 600	3 500		39,0
40,0	25,6	20,5	3 700	3 600	3 500	3 300		40,0

MLC100A-1 S-2



33 120 kg
+
10 500 kg



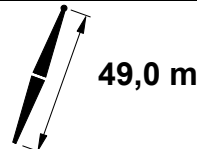
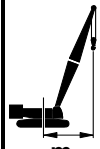


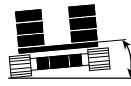
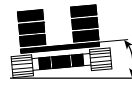
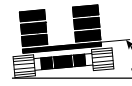
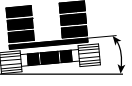

 m	 °	 m	 0° kg	 1° kg	 2° kg	 3° kg	 m	
9,1	80,3	47,4	32 000				9,1	
10,0	79,2	47,2	28 900	24 900			10,0	
11,0	77,9	47,0	25 300	22 600	19 800	15 800	11,0	
12,0	76,6	46,8	22 400	20 200	18 400	15 800	12,0	
13,0	75,3	46,6	20 000	18 300	16 700	15 300	13,0	
14,0	74,0	46,3	18 100	16 600	15 200	14 100	14,0	
15,0	72,7	46,0	16 400	15 100	14 000	13 000	15,0	
16,0	71,4	45,6	15 100	13 900	12 900	12 000	16,0	
17,0	70,1	45,3	13 800	12 800	12 000	11 200	17,0	
18,0	68,8	44,9	12 800	11 900	11 100	10 400	18,0	
19,0	67,4	44,5	11 800	11 100	10 400	9 700	19,0	
20,0	66,1	44,1	11 000	10 300	9 700	9 100	20,0	
21,0	64,7	43,6	10 300	9 600	9 100	8 500	21,0	
22,0	63,3	43,1	9 600	9 000	8 500	8 000	22,0	
23,0	61,9	42,6	9 000	8 500	8 000	7 600	23,0	
24,0	60,5	42,0	8 400	8 000	7 500	7 100	24,0	
25,0	59,0	41,4	7 900	7 500	7 100	6 700	25,0	
26,0	57,6	40,8	7 500	7 100	6 700	6 400	26,0	
27,0	56,1	40,1	7 000	6 700	6 400	6 000	27,0	
28,0	54,5	39,4	6 700	6 300	6 000	5 700	28,0	
29,0	53,0	38,7	6 300	6 000	5 700	5 400	29,0	
30,0	51,4	37,9	6 000	5 700	5 400	5 200	30,0	
31,0	49,8	37,1	5 700	5 400	5 200	4 900	31,0	
32,0	48,1	36,2	5 400	5 100	4 900	4 700	32,0	
33,0	46,4	35,3	5 100	4 900	4 700	4 500	33,0	
34,0	44,7	34,3	4 800	4 600	4 400	4 200	34,0	
35,0	42,9	33,2	4 600	4 400	4 200	4 000	35,0	
36,0	41,0	32,1	4 400	4 200	4 000	3 900	36,0	
37,0	39,0	30,9	4 200	4 000	3 800	3 700	37,0	
38,0	37,0	29,6	4 000	3 800	3 700	3 500	38,0	
39,0	34,9	28,2	3 800	3 600	3 500	3 400	39,0	
40,0	32,6	26,7	3 600	3 500	3 300	3 200	40,0	
42,0	27,6	23,2	3 300	3 100	3 000	2 900	42,0	
44,0	21,5	18,8	2 900	2 900	2 800	2 700	44,0	

MLC100A-1 S-2

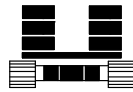
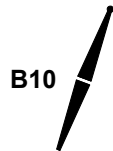



33 120 kg
+
10 500 kg



								
 m	 °	 m	 0° kg	 1° kg	 2° kg	 3° kg	 m	
9,1	80,9	50,5	28 500				9,1	
10,0	79,8	50,3	27 800				10,0	
11,0	78,7	50,1	25 200	22 400	17 300		11,0	
12,0	77,5	49,9	22 300	20 000	17 200	13 600	12,0	
13,0	76,3	49,7	19 900	18 100	16 400	13 500	13,0	
14,0	75,0	49,4	18 000	16 400	15 000	13 500	14,0	
15,0	73,8	49,1	16 300	15 000	13 800	12 700	15,0	
16,0	72,6	48,8	15 000	13 800	12 700	11 800	16,0	
17,0	71,4	48,5	13 700	12 700	11 800	10 900	17,0	
18,0	70,1	48,1	12 700	11 700	10 900	10 200	18,0	
19,0	68,9	47,8	11 700	10 900	10 200	9 500	19,0	
20,0	67,6	47,3	10 900	10 200	9 500	8 900	20,0	
21,0	66,4	46,9	10 100	9 500	8 900	8 300	21,0	
22,0	65,1	46,5	9 500	8 900	8 300	7 800	22,0	
23,0	63,8	46,0	8 900	8 300	7 800	7 400	23,0	
24,0	62,5	45,5	8 300	7 800	7 400	7 000	24,0	
25,0	61,1	44,9	7 800	7 400	7 000	6 600	25,0	
26,0	59,8	44,3	7 400	6 900	6 600	6 200	26,0	
27,0	58,4	43,7	6 900	6 600	6 200	5 900	27,0	
28,0	57,0	43,1	6 600	6 200	5 900	5 600	28,0	
29,0	55,6	42,4	6 200	5 900	5 600	5 300	29,0	
30,0	54,2	41,7	5 900	5 600	5 300	5 000	30,0	
31,0	52,7	41,0	5 500	5 300	5 000	4 800	31,0	
32,0	51,2	40,2	5 200	5 000	4 700	4 500	32,0	
33,0	49,7	39,3	5 000	4 700	4 500	4 300	33,0	
34,0	48,1	38,5	4 700	4 500	4 300	4 100	34,0	
35,0	46,6	37,5	4 500	4 300	4 100	3 900	35,0	
36,0	44,9	36,6	4 300	4 100	3 900	3 700	36,0	
37,0	43,2	35,5	4 000	3 900	3 700	3 500	37,0	
38,0	41,5	34,4	3 800	3 700	3 500	3 400	38,0	
39,0	39,7	33,2	3 700	3 500	3 300	3 200	39,0	
40,0	37,8	32,0	3 500	3 300	3 200	3 000	40,0	
42,0	33,8	29,2	3 100	3 000	2 900	2 800	42,0	
44,0	29,3	25,9	2 800	2 700	2 600	2 500	44,0	
46,0	24,0	21,8	2 500	2 500	2 400	2 300	46,0	

MLC100A-1 S-2



33 120 kg
+
10 500 kg



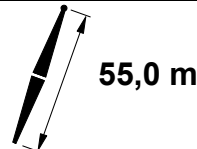
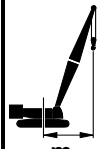


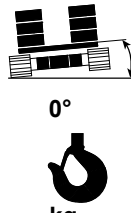
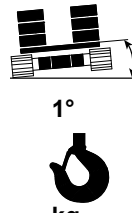
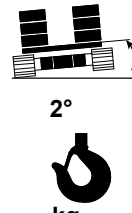
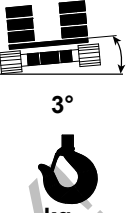

			 0° kg	 1° kg	 2° kg	 3° kg		
m	°	m	kg	kg	kg	kg	m	
9,8	80,7	53,4	24 100					9,8
10,0	80,4	53,4	23 900					10,0
11,0	79,3	53,2	23 400	20 000				11,0
12,0	78,2	53,0	22 100	19 600	14 900			12,0
13,0	77,1	52,7	19 900	17 900	14 800	11 700		13,0
14,0	75,9	52,5	17 900	16 200	14 700	11 600		14,0
15,0	74,8	52,2	16 300	14 800	13 600	11 600		15,0
16,0	73,6	51,9	14 900	13 600	12 500	11 200		16,0
17,0	72,5	51,6	13 600	12 500	11 600	10 700		17,0
18,0	71,3	51,3	12 600	11 600	10 700	10 000		18,0
19,0	70,2	50,9	11 600	10 800	10 000	9 300		19,0
20,0	69,0	50,6	10 800	10 000	9 300	8 700		20,0
21,0	67,8	50,2	10 100	9 400	8 700	8 200		21,0
22,0	66,6	49,7	9 400	8 800	8 200	7 700		22,0
23,0	65,4	49,3	8 800	8 200	7 700	7 200		23,0
24,0	64,2	48,8	8 200	7 700	7 200	6 800		24,0
25,0	62,9	48,3	7 700	7 300	6 800	6 400		25,0
26,0	61,7	47,8	7 300	6 800	6 400	6 100		26,0
27,0	60,4	47,2	6 900	6 500	6 100	5 700		27,0
28,0	59,1	46,6	6 500	6 100	5 800	5 400		28,0
29,0	57,8	46,0	6 100	5 800	5 400	5 100		29,0
30,0	56,5	45,4	5 800	5 500	5 200	4 900		30,0
31,0	55,2	44,7	5 500	5 200	4 900	4 600		31,0
32,0	53,8	44,0	5 200	4 900	4 600	4 400		32,0
33,0	52,5	43,2	4 900	4 600	4 400	4 200		33,0
34,0	51,0	42,4	4 600	4 400	4 200	4 000		34,0
35,0	49,6	41,6	4 400	4 200	4 000	3 800		35,0
36,0	48,1	40,7	4 200	4 000	3 800	3 600		36,0
37,0	46,6	39,8	4 000	3 800	3 600	3 400		37,0
38,0	45,1	38,8	3 800	3 600	3 400	3 200		38,0
39,0	43,5	37,7	3 600	3 400	3 200	3 100		39,0
40,0	41,9	36,7	3 400	3 200	3 100	2 900		40,0
42,0	38,4	34,3	3 100	2 900	2 800	2 700		42,0
44,0	34,7	31,5	2 800	2 600	2 500	2 400		44,0
46,0	30,6	28,4	2 500	2 400	2 300	2 200		46,0
48,0	25,9	24,6	2 200	2 100	2 100	2 000		48,0

MLC100A-1 S-2

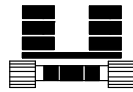
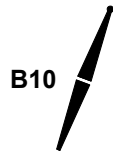



33 120 kg
+ 10 500 kg



								
 m	 °	 m	 0° kg	 1° kg	 2° kg	 3° kg	 m	
10,4	80,6	56,3	20 800				10,4	
11,0	79,9	56,2	20 500	17 500			11,0	
12,0	78,8	56,0	20 100	17 400			12,0	
13,0	77,8	55,8	19 400	17 200	13 000	10 100	13,0	
14,0	76,7	55,6	17 800	16 000	12 900	10 100	14,0	
15,0	75,6	55,3	16 200	14 600	12 800	10 000	15,0	
16,0	74,5	55,1	14 800	13 500	12 200	10 000	16,0	
17,0	73,5	54,8	13 500	12 400	11 400	9 900	17,0	
18,0	72,4	54,4	12 500	11 500	10 600	9 600	18,0	
19,0	71,3	54,1	11 500	10 600	9 800	9 100	19,0	
20,0	70,2	53,8	10 700	9 900	9 200	8 500	20,0	
21,0	69,1	53,4	10 000	9 200	8 600	8 000	21,0	
22,0	67,9	53,0	9 300	8 600	8 000	7 500	22,0	
23,0	66,8	52,6	8 700	8 100	7 500	7 000	23,0	
24,0	65,7	52,1	8 100	7 600	7 100	6 600	24,0	
25,0	64,5	51,6	7 600	7 100	6 700	6 200	25,0	
26,0	63,3	51,2	7 200	6 700	6 300	5 900	26,0	
27,0	62,2	50,6	6 700	6 300	5 900	5 600	27,0	
28,0	61,0	50,1	6 400	6 000	5 600	5 300	28,0	
29,0	59,8	49,5	6 000	5 600	5 300	5 000	29,0	
30,0	58,6	48,9	5 700	5 300	5 000	4 700	30,0	
31,0	57,3	48,3	5 400	5 000	4 700	4 500	31,0	
32,0	56,1	47,6	5 100	4 800	4 500	4 200	32,0	
33,0	54,8	46,9	4 800	4 500	4 300	4 000	33,0	
34,0	53,5	46,2	4 500	4 300	4 000	3 800	34,0	
35,0	52,2	45,4	4 300	4 100	3 800	3 600	35,0	
36,0	50,9	44,6	4 100	3 800	3 600	3 400	36,0	
37,0	49,5	43,8	3 900	3 600	3 400	3 300	37,0	
38,0	48,1	42,9	3 700	3 500	3 300	3 100	38,0	
39,0	46,7	42,0	3 500	3 300	3 100	2 900	39,0	
40,0	45,3	41,0	3 300	3 100	2 900	2 800	40,0	
42,0	42,2	38,9	3 000	2 800	2 700	2 500	42,0	
44,0	39,0	36,5	2 700	2 500	2 400	2 300	44,0	
46,0	35,5	33,9	2 400	2 300	2 100	2 000	46,0	
48,0	31,8	30,9	2 100	2 000	1 900	1 800	48,0	
50,0	27,5	27,3	1 900	1 800	1 700		50,0	

MLC100A-1 S-2



33 120 kg
+
10 500 kg



m	°	m	kg	kg	kg	kg	kg	m
11,0	80,5	59,3	19 700					11,0
12,0	79,4	59,1	19 300	15 300				12,0
13,0	78,4	58,9	18 900	15 300				13,0
14,0	77,4	58,7	17 700	15 200	11 400		8 800	14,0
15,0	76,4	58,4	16 000	14 500	11 400		8 800	15,0
16,0	75,4	58,2	14 700	13 300	11 300		8 700	16,0
17,0	74,3	57,9	13 400	12 200	11 100		8 700	17,0
18,0	73,3	57,6	12 400	11 300	10 300		8 700	18,0
19,0	72,3	57,3	11 400	10 500	9 600		8 500	19,0
20,0	71,2	57,0	10 600	9 700	9 000		8 300	20,0
21,0	70,2	56,6	9 800	9 100	8 400		7 800	21,0
22,0	69,1	56,2	9 200	8 500	7 800		7 300	22,0
23,0	68,1	55,8	8 600	7 900	7 400		6 800	23,0
24,0	67,0	55,4	8 000	7 400	6 900		6 400	24,0
25,0	65,9	55,0	7 500	7 000	6 500		6 000	25,0
26,0	64,8	54,5	7 000	6 600	6 100		5 700	26,0
27,0	63,7	54,0	6 600	6 200	5 800		5 400	27,0
28,0	62,6	53,5	6 200	5 800	5 400		5 100	28,0
29,0	61,5	53,0	5 900	5 500	5 100		4 800	29,0
30,0	60,4	52,4	5 500	5 200	4 800		4 500	30,0
31,0	59,2	51,8	5 200	4 900	4 600		4 300	31,0
32,0	58,1	51,2	4 900	4 600	4 300		4 100	32,0
33,0	56,9	50,6	4 700	4 400	4 100		3 800	33,0
34,0	55,7	49,9	4 400	4 100	3 900		3 600	34,0
35,0	54,5	49,2	4 200	3 900	3 700		3 400	35,0
36,0	53,3	48,5	3 900	3 700	3 500		3 300	36,0
37,0	52,0	47,7	3 700	3 500	3 300		3 100	37,0
38,0	50,8	46,9	3 500	3 300	3 100		2 900	38,0
39,0	49,5	46,0	3 300	3 100	3 000		2 800	39,0
40,0	48,1	45,2	3 200	3 000	2 800		2 600	40,0
42,0	45,4	43,3	2 800	2 700	2 500		2 300	42,0
44,0	42,6	41,2	2 500	2 400	2 200		2 100	44,0
46,0	39,5	38,9	2 200	2 100	2 000		1 900	46,0
48,0	36,3	36,3	2 000	1 900	1 800			48,0
50,0	32,8	33,4	1 800					50,0

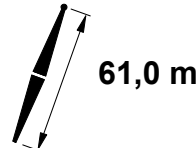
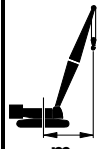


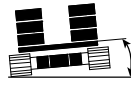
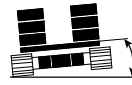
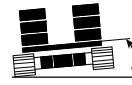
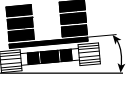

MLC100A-1 S-2





33 120 kg
 +
10 500 kg



 61,0 m							
 m	 °	 m	 0° kg	 1° kg	 2° kg	 3° kg	 m
11,0	80,9	62,3	17 600				11,0
12,0	79,9	62,1	17 200				12,0
13,0	79,0	61,9	16 900	13 400			13,0
14,0	78,0	61,7	16 500	13 400	10 000		14,0
15,0	77,1	61,5	15 800	13 300	10 000	7 600	15,0
16,0	76,1	61,3	14 600	12 800	9 900	7 600	16,0
17,0	75,1	61,0	13 300	12 000	9 900	7 600	17,0
18,0	74,2	60,7	12 200	11 100	9 900	7 500	18,0
19,0	73,2	60,4	11 300	10 300	9 400	7 500	19,0
20,0	72,2	60,1	10 500	9 600	8 800	7 500	20,0
21,0	71,2	59,8	9 700	8 900	8 200	7 400	21,0
22,0	70,2	59,4	9 000	8 300	7 700	7 100	22,0
23,0	69,2	59,1	8 400	7 800	7 200	6 600	23,0
24,0	68,2	58,7	7 900	7 300	6 700	6 200	24,0
25,0	67,2	58,2	7 400	6 800	6 300	5 900	25,0
26,0	66,2	57,8	6 900	6 400	5 900	5 500	26,0
27,0	65,1	57,3	6 500	6 000	5 600	5 200	27,0
28,0	64,1	56,9	6 100	5 700	5 300	4 900	28,0
29,0	63,0	56,4	5 700	5 300	5 000	4 600	29,0
30,0	62,0	55,8	5 400	5 000	4 700	4 400	30,0
31,0	60,9	55,3	5 100	4 700	4 400	4 100	31,0
32,0	59,8	54,7	4 800	4 500	4 200	3 900	32,0
33,0	58,7	54,1	4 500	4 200	3 900	3 700	33,0
34,0	57,6	53,5	4 300	4 000	3 700	3 500	34,0
35,0	56,5	52,8	4 000	3 800	3 500	3 300	35,0
36,0	55,3	52,2	3 800	3 600	3 300	3 100	36,0
37,0	54,2	51,4	3 600	3 400	3 100	2 900	37,0
38,0	53,0	50,7	3 400	3 200	3 000	2 800	38,0
39,0	51,8	49,9	3 200	3 000	2 800	2 600	39,0
40,0	50,6	49,1	3 000	2 800	2 600	2 500	40,0
42,0	48,1	47,4	2 700	2 500	2 300	2 200	42,0
44,0	45,6	45,5	2 400	2 200	2 100	1 900	44,0
46,0	42,8	43,4	2 100	2 000	1 800		46,0
48,0	40,0	41,1	1 900				48,0