

# Maximum Allowable Travel Specifications

## MLC200

Boom No. B10:76A

### Jobsite Travel

Travel slowly and smoothly to avoid shock loading boom and rigging. **Warning: Maintain adequate clearance between boom and load blocks, hooks, or weight ball while traveling.** *The boom can buckle and collapse if load blocks, hooks or weight ball contact the boom.* Refer to Wind Conditions chart **No. A017A** for maximum wind speed while traveling.

### 1. Machine Travel With Load

- A. Machine can swing and travel with 360 degree rating.
- B. Grade in any direction must not exceed 1 percent (0.5 degrees).
- C. Travel surface must be firm, level and uniformly supporting. Capacity charts are based on static conditions; therefore judgment must be used to allow for dynamic effects of traveling with load. Carry load as close to ground as possible. Stabilize load with taglines.

### 2. Machine Travel Without Load - Without Boom Angle Adjustment on Grade

- A. Load blocks, hooks, weight ball, slings, hoist lines, etc., may be suspended beneath boom points or tied off to machine. Total combined suspended weight beneath boom points must not exceed 4 080 kg (9,000 lb).
- B. Machine to travel on a firm and uniformly supporting surface. Travel allowed with 360 degree swing up to 1 percent (0.5 degrees) grade; crane upperworks must be in-line with crawlers and grade when grade exceeds 1 percent. Side-to-side grade must not exceed 2 percent (1.1 degrees) measured at boom hinge pins.
- C. Refer to Tables 2 thru 4 for boom angle, boom length, and direction for various grades. **Adjust boom** within boom angle range shown in table with machine in a level position **before traveling** onto grade. **Do not adjust boom angle after crane has been traveled onto grade.** Boom angle is angle between horizontal and centerline of boom butt and inserts. Refer to Table 1 for grade vs. angle when traveling.
- D. Do not exceed 2 percent (1.1 degrees) side-to-side grade at boom hinge pins when cutting (turning on grade).
- E. **Warning:** Travel prohibited for boom angle range not shown in Tables 2 thru 4. *Crane could tip.*

# Maximum Allowable Travel Specifications

## MLC200

Boom No. B10:76A

### 3. Machine Travel Without Load - With Boom Angle Adjustment on Grade

- A. Load blocks, hooks, weight ball, slings, hoist lines, etc., may be suspended beneath boom points or tied off to machine. Total combined suspended weight beneath boom points must not exceed 4 080 kg (9,000 lb).
- B. Machine to travel on a firm and uniformly supporting surface. Travel allowed with 360 degree swing up to 1 percent (0.5 degrees) grade; crane upperworks must be in-line with crawlers and grade when grade exceeds 1 percent. Side-to-side grade must not exceed 2 percent (1.1 degrees) measured at boom hinge pins.
- C. Refer to Tables 5 thru 7 for boom angle, boom length, and direction for various grades. **Adjust boom** to remain within boom angle range shown in table **while traveling on grade**. Boom angle is angle between horizontal and centerline of boom butt and inserts. Refer to Table 1 for grade vs. angle when traveling.
- D. Do not exceed 2 percent (1.1 degrees) side-to-side grade at boom hinge pins when cutting (turning on grade).
- E. **Warning:** Travel prohibited for boom angle range not shown in Tables 5 thru 7. *Crane could tip.*

Table 1

Percent Grade Vs. Angle In Degrees	
Percent Grade	Angle
5	2.9
10	5.7
15	8.5
20	11.3
25	14.0
30	16.7

# Maximum Allowable Travel Specifications

## MLC200

Boom No. B10:76A

Table 2a - Without Boom Angle Adjustment: SERIES 1

MACHINE TRAVEL WITHOUT LOAD							
Boom Length		Boom Angle Range in Degrees					
		Maximum Percent Grade					
Meters	Feet	5%	10%	15%	20%	25%	30%
BOOM FACING DOWNHILL							
20,0	65.6	33 - 72	36 - 72	39 - 72	42 - 72	45 - 72	47 - 72
23,0	75.5	33 - 72	36 - 72	39 - 72	42 - 72	45 - 72	47 - 72
26,0	85.3	33 - 72	36 - 72	39 - 72	42 - 72	45 - 72	47 - 72
29,0	95.1	33 - 72	36 - 72	39 - 72	42 - 72	45 - 72	47 - 72
32,0	105.0	33 - 72	36 - 72	39 - 72	42 - 72	45 - 72	47 - 72
35,0	114.8	33 - 72	36 - 72	39 - 72	42 - 72	45 - 72	47 - 72
38,0	124.7	33 - 72	36 - 72	39 - 72	42 - 72	45 - 72	47 - 72
41,0	134.5	33 - 72	36 - 72	39 - 72	43 - 72	49 - 72	55 - 72
44,0	144.4	35 - 72	39 - 72	45 - 72	50 - 72	55 - 72	60 - 72
47,0	154.2	40 - 72	46 - 72	51 - 72	56 - 72	60 - 72	64 - 72
50,0	164.0	47 - 72	51 - 72	56 - 72	60 - 72	64 - 72	68 - 72
53,0	173.9	50 - 72	54 - 72	60 - 72	64 - 72	67 - 72	—
56,0	183.7	54 - 72	58 - 72	62 - 72	67 - 72	70 - 72	—
59,0	193.6	56 - 72	62 - 72	65 - 72	70 - 72	—	—
62,0	203.4	60 - 72	63 - 72	68 - 72	—	—	—
65,0	213.3	62 - 72	66 - 72	70 - 72	—	—	—
68,0	223.1	64 - 72	67 - 72	—	—	—	—

# Maximum Allowable Travel Specifications

## MLC200

Boom No. B10:76A

Table 2b - Without Boom Angle Adjustment: SERIES 1

MACHINE TRAVEL WITHOUT LOAD							
Boom Length		Boom Angle Range in Degrees					
		Maximum Percent Grade					
Meters	Feet	5%	10%	15%	20%	25%	30%
BOOM FACING UPHILL							
20,0	65.6	30 - 69	30 - 66	30 - 63	30 - 59	30 - 51	30 - 42
23,0	75.5	30 - 69	30 - 66	30 - 63	30 - 60	30 - 57	30 - 50
26,0	85.3	30 - 69	30 - 66	30 - 63	30 - 60	30 - 57	30 - 51
29,0	95.1	30 - 69	30 - 66	30 - 63	30 - 60	30 - 57	30 - 55
32,0	105.0	30 - 69	30 - 66	30 - 63	30 - 60	30 - 57	30 - 55
35,0	114.8	30 - 69	30 - 66	30 - 63	30 - 60	30 - 57	30 - 55
38,0	124.7	30 - 69	30 - 66	30 - 63	30 - 60	30 - 57	30 - 55
41,0	134.5	30 - 69	30 - 66	30 - 63	30 - 60	30 - 57	30 - 55
44,0	144.4	30 - 69	30 - 66	30 - 63	30 - 60	30 - 57	30 - 55
47,0	154.2	37 - 69	37 - 66	37 - 63	37 - 60	37 - 57	37 - 55
50,0	164.0	42 - 69	42 - 66	42 - 63	42 - 60	42 - 57	42 - 55
53,0	173.9	48 - 69	48 - 66	48 - 63	48 - 60	48 - 57	48 - 55
56,0	183.7	50 - 69	50 - 66	50 - 63	50 - 60	50 - 57	50 - 55
59,0	193.6	53 - 69	53 - 66	53 - 63	53 - 60	53 - 57	53 - 55
62,0	203.4	57 - 69	57 - 66	57 - 63	57 - 60	—	—
65,0	213.3	58 - 69	58 - 66	58 - 63	58 - 60	—	—
68,0	223.1	60 - 69	60 - 66	60 - 63	—	—	—

# Maximum Allowable Travel Specifications

## MLC200

Boom No. B10:76A

Table 3a - Without Boom Angle Adjustment: SERIES 2

MACHINE TRAVEL WITHOUT LOAD							
Boom Length		Boom Angle Range in Degrees					
		Maximum Percent Grade					
Meters	Feet	5%	10%	15%	20%	25%	30%
BOOM FACING DOWNHILL							
20,0	65.6	33 - 72	36 - 72	39 - 72	42 - 72	45 - 72	47 - 72
23,0	75.5	33 - 72	36 - 72	39 - 72	42 - 72	45 - 72	47 - 72
26,0	85.3	33 - 72	36 - 72	39 - 72	42 - 72	45 - 72	47 - 72
29,0	95.1	33 - 72	36 - 72	39 - 72	42 - 72	45 - 72	47 - 72
32,0	105.0	33 - 72	36 - 72	39 - 72	42 - 72	45 - 72	47 - 72
35,0	114.8	33 - 72	36 - 72	39 - 72	42 - 72	45 - 72	47 - 72
38,0	124.7	33 - 72	36 - 72	39 - 72	42 - 72	45 - 72	47 - 72
41,0	134.5	33 - 72	36 - 72	39 - 72	42 - 72	45 - 72	47 - 72
44,0	144.4	33 - 72	36 - 72	39 - 72	42 - 72	45 - 72	47 - 72
47,0	154.2	33 - 72	36 - 72	39 - 72	42 - 72	45 - 72	47 - 72
50,0	164.0	33 - 72	36 - 72	39 - 72	42 - 72	47 - 72	54 - 72
53,0	173.9	33 - 72	38 - 72	43 - 72	48 - 72	54 - 72	58 - 72
56,0	183.7	36 - 72	42 - 72	48 - 72	52 - 72	58 - 72	62 - 72
59,0	193.6	43 - 72	47 - 72	53 - 72	56 - 72	62 - 72	67 - 72
62,0	203.4	48 - 72	51 - 72	57 - 72	60 - 72	65 - 72	69 - 72
65,0	213.3	52 - 72	55 - 72	60 - 72	63 - 72	68 - 72	—
68,0	223.1	54 - 72	58 - 72	63 - 72	66 - 72	70 - 72	—
71,0	232.9	56 - 72	60 - 72	64 - 72	68 - 72	—	—
74,0	242.8	59 - 72	63 - 72	67 - 72	70 - 72	—	—
77,0	252.6	60 - 72	64 - 72	68 - 72	—	—	—
80,0	262.5	63 - 72	66 - 72	70 - 72	—	—	—
83,0	272.3	64 - 72	68 - 72	—	—	—	—

# Maximum Allowable Travel Specifications

## MLC200

Boom No. B10:76A

Table 3b - Without Boom Angle Adjustment: SERIES 2

MACHINE TRAVEL WITHOUT LOAD							
Boom Length		Boom Angle Range in Degrees					
		Maximum Percent Grade					
Meters	Feet	5%	10%	15%	20%	25%	30%
BOOM FACING UPHILL							
20,0	65.6	30 - 69	30 - 66	30 - 63	30 - 59	30 - 51	30 - 35
23,0	75.5	30 - 69	30 - 66	30 - 63	30 - 60	30 - 55	30 - 44
26,0	85.3	30 - 69	30 - 66	30 - 63	30 - 60	30 - 55	30 - 51
29,0	95.1	30 - 69	30 - 66	30 - 63	30 - 60	30 - 57	30 - 52
32,0	105.0	30 - 69	30 - 66	30 - 63	30 - 60	30 - 57	30 - 55
35,0	114.8	30 - 69	30 - 66	30 - 63	30 - 60	30 - 57	30 - 55
38,0	124.7	30 - 69	30 - 66	30 - 63	30 - 60	30 - 57	30 - 55
41,0	134.5	30 - 69	30 - 66	30 - 63	30 - 60	30 - 57	30 - 55
44,0	144.4	30 - 69	30 - 66	30 - 63	30 - 60	30 - 57	30 - 55
47,0	154.2	30 - 69	30 - 66	30 - 63	30 - 60	30 - 57	30 - 55
50,0	164.0	30 - 69	30 - 66	30 - 63	30 - 60	30 - 57	30 - 55
53,0	173.9	30 - 69	30 - 66	30 - 63	30 - 60	30 - 57	30 - 55
56,0	183.7	34 - 69	34 - 66	34 - 63	34 - 60	34 - 57	34 - 55
59,0	193.6	38 - 69	38 - 66	38 - 63	38 - 60	38 - 57	38 - 55
62,0	203.4	44 - 69	44 - 66	44 - 63	44 - 60	44 - 57	44 - 55
65,0	213.3	46 - 69	46 - 66	46 - 63	46 - 60	46 - 57	46 - 55
68,0	223.1	50 - 69	50 - 66	50 - 63	50 - 60	50 - 57	50 - 55
71,0	232.9	53 - 69	53 - 66	53 - 63	53 - 60	53 - 57	53 - 55
74,0	242.8	54 - 69	54 - 66	54 - 63	54 - 60	54 - 57	—
77,0	252.6	56 - 69	56 - 66	56 - 63	56 - 60	—	—
80,0	262.5	59 - 69	59 - 66	59 - 63	—	—	—
83,0	272.3	60 - 69	60 - 66	60 - 63	—	—	—

# Maximum Allowable Travel Specifications

## MLC200

Boom No. B10:76A

Table 4a - Without Boom Angle Adjustment: SERIES 3

MACHINE TRAVEL WITHOUT LOAD							
Boom Length		Boom Angle Range in Degrees					
		Maximum Percent Grade					
Meters	Feet	5%	10%	15%	20%	25%	30%
BOOM FACING DOWNHILL							
20,0	65.6	33 - 72	36 - 72	39 - 72	42 - 72	45 - 72	47 - 72
23,0	75.5	33 - 72	36 - 72	39 - 72	42 - 72	45 - 72	47 - 72
26,0	85.3	33 - 72	36 - 72	39 - 72	42 - 72	45 - 72	47 - 72
29,0	95.1	33 - 72	36 - 72	39 - 72	42 - 72	45 - 72	47 - 72
32,0	105.0	33 - 72	36 - 72	39 - 72	42 - 72	45 - 72	47 - 72
35,0	114.8	33 - 72	36 - 72	39 - 72	42 - 72	45 - 72	47 - 72
38,0	124.7	33 - 72	36 - 72	39 - 72	42 - 72	45 - 72	47 - 72
41,0	134.5	33 - 72	36 - 72	39 - 72	42 - 72	45 - 72	47 - 72
44,0	144.4	33 - 72	36 - 72	39 - 72	42 - 72	45 - 72	47 - 72
47,0	154.2	33 - 72	36 - 72	39 - 72	42 - 72	45 - 72	47 - 72
50,0	164.0	33 - 72	36 - 72	39 - 72	42 - 72	45 - 72	47 - 72
53,0	173.9	33 - 72	36 - 72	39 - 72	42 - 72	45 - 72	48 - 72
56,0	183.7	33 - 72	36 - 72	39 - 72	42 - 72	48 - 72	54 - 72
59,0	193.6	33 - 72	38 - 72	43 - 72	47 - 72	53 - 72	58 - 72
62,0	203.4	37 - 72	41 - 72	48 - 72	53 - 72	58 - 72	63 - 72
65,0	213.3	42 - 72	46 - 72	52 - 72	57 - 72	62 - 72	66 - 72
68,0	223.1	47 - 72	50 - 72	55 - 72	60 - 72	64 - 72	69 - 72
71,0	232.9	49 - 72	53 - 72	57 - 72	61 - 72	67 - 72	—
74,0	242.8	51 - 72	56 - 72	60 - 72	64 - 72	69 - 72	—
77,0	252.6	55 - 72	59 - 72	63 - 72	68 - 72	—	—
80,0	262.5	57 - 72	61 - 72	65 - 72	69 - 72	—	—
83,0	272.3	59 - 72	62 - 72	67 - 72	—	—	—
86,0	282.2	61 - 72	65 - 72	69 - 72	—	—	—
89,0	292.0	63 - 72	67 - 72	—	—	—	—

# Maximum Allowable Travel Specifications

## MLC200

Boom No. B10:76A

Table 4b - Without Boom Angle Adjustment: SERIES 3

MACHINE TRAVEL WITHOUT LOAD							
Boom Length		Boom Angle Range in Degrees					
		Maximum Percent Grade					
Meters	Feet	5%	10%	15%	20%	25%	30%
BOOM FACING UPHILL							
20,0	65.6	30 - 68	30 - 57	30 - 42	—	—	—
23,0	75.5	30 - 69	30 - 62	30 - 50	30 - 39	30 - 32	—
26,0	85.3	30 - 69	30 - 65	30 - 55	30 - 46	30 - 36	—
29,0	95.1	30 - 69	30 - 66	30 - 59	30 - 52	30 - 44	30 - 34
32,0	105.0	30 - 69	30 - 66	30 - 62	30 - 53	30 - 45	30 - 37
35,0	114.8	30 - 69	30 - 66	30 - 63	30 - 56	30 - 50	30 - 43
38,0	124.7	30 - 69	30 - 66	30 - 63	30 - 59	30 - 54	30 - 48
41,0	134.5	30 - 69	30 - 66	30 - 63	30 - 60	30 - 57	30 - 51
44,0	144.4	30 - 69	30 - 66	30 - 63	30 - 60	30 - 57	30 - 52
47,0	154.2	30 - 69	30 - 66	30 - 63	30 - 60	30 - 57	30 - 55
50,0	164.0	30 - 69	30 - 66	30 - 63	30 - 60	30 - 57	30 - 55
53,0	173.9	30 - 69	30 - 66	30 - 63	30 - 60	30 - 57	30 - 55
56,0	183.7	30 - 69	30 - 66	30 - 63	30 - 60	30 - 57	30 - 55
59,0	193.6	30 - 69	30 - 66	30 - 63	30 - 60	30 - 57	30 - 55
62,0	203.4	32 - 69	32 - 66	32 - 63	32 - 60	32 - 57	32 - 55
65,0	213.3	38 - 69	38 - 66	38 - 63	38 - 60	38 - 57	38 - 55
68,0	223.1	41 - 69	41 - 66	41 - 63	41 - 60	41 - 57	41 - 55
71,0	232.9	44 - 69	44 - 66	44 - 63	44 - 60	44 - 57	44 - 55
74,0	242.8	48 - 69	48 - 66	48 - 63	48 - 60	48 - 57	48 - 55
77,0	252.6	50 - 69	50 - 66	50 - 63	50 - 60	50 - 57	50 - 55
80,0	262.5	53 - 69	53 - 66	53 - 63	53 - 60	53 - 57	53 - 55
83,0	272.3	55 - 69	55 - 66	55 - 63	55 - 60	55 - 57	—
86,0	282.2	58 - 69	58 - 66	58 - 63	58 - 60	—	—
89,0	292.0	59 - 69	59 - 66	59 - 63	—	—	—



# Maximum Allowable Travel Specifications

## MLC200

Boom No. B10:76A

Table 5a - With Boom Angle Adjustment: SERIES 1

MACHINE TRAVEL WITHOUT LOAD							
Boom Length		Boom Angle Range in Degrees					
		Maximum Percent Grade					
Meters	Feet	5%	10%	15%	20%	25%	30%
BOOM FACING DOWNHILL							
20,0	65.6	25 - 67	25 - 67	25 - 67	25 - 64	25 - 61	25 - 58
23,0	75.5	25 - 71	25 - 71	25 - 69	25 - 66	25 - 63	25 - 60
26,0	85.3	25 - 73	25 - 73	25 - 71	25 - 68	25 - 65	25 - 63
29,0	95.1	25 - 75	25 - 74	25 - 71	25 - 68	25 - 65	25 - 63
32,0	105.0	25 - 77	25 - 74	25 - 71	25 - 68	25 - 65	25 - 63
35,0	114.8	25 - 77	25 - 74	25 - 71	25 - 68	25 - 65	25 - 63
38,0	124.7	25 - 77	25 - 74	25 - 71	25 - 68	25 - 65	28 - 63
41,0	134.5	25 - 77	27 - 74	28 - 71	32 - 68	35 - 65	38 - 63
44,0	144.4	32 - 77	32 - 74	36 - 71	38 - 68	41 - 65	43 - 63
47,0	154.2	37 - 77	40 - 74	42 - 71	44 - 68	46 - 65	47 - 63
50,0	164.0	43 - 77	45 - 74	47 - 71	48 - 68	50 - 65	51 - 63
53,0	173.9	46 - 77	48 - 74	49 - 71	52 - 68	53 - 65	56 - 63
56,0	183.7	51 - 77	52 - 74	53 - 71	54 - 68	56 - 65	57 - 63
59,0	193.6	53 - 77	54 - 74	56 - 71	57 - 68	59 - 65	—
62,0	203.4	57 - 77	57 - 74	59 - 71	59 - 68	61 - 65	—
65,0	213.3	58 - 77	60 - 74	60 - 71	62 - 68	—	—
68,0	223.1	61 - 77	61 - 74	62 - 71	64 - 68	—	—

# Maximum Allowable Travel Specifications

## MLC200

Boom No. B10:76A

Table 5b - With Boom Angle Adjustment: SERIES 1

MACHINE TRAVEL WITHOUT LOAD							
Boom Length		Boom Angle Range in Degrees					
		Maximum Percent Grade					
Meters	Feet	5%	10%	15%	20%	25%	30%
BOOM FACING UPHILL							
20,0	65.6	28 - 67	31 - 67	34 - 66	37 - 67	40 - 65	42 - 59
23,0	75.5	28 - 70	31 - 70	34 - 71	37 - 70	40 - 71	42 - 67
26,0	85.3	28 - 73	31 - 73	34 - 73	37 - 73	40 - 70	42 - 68
29,0	95.1	28 - 75	31 - 75	34 - 74	37 - 74	40 - 74	42 - 73
32,0	105.0	28 - 77	31 - 76	34 - 77	37 - 74	40 - 77	42 - 73
35,0	114.8	28 - 78	31 - 78	34 - 78	37 - 77	40 - 77	42 - 76
38,0	124.7	28 - 79	31 - 79	34 - 79	37 - 79	40 - 79	42 - 79
41,0	134.5	28 - 80	31 - 80	34 - 80	37 - 80	40 - 79	42 - 79
44,0	144.4	28 - 80	31 - 80	34 - 80	37 - 80	40 - 80	42 - 80
47,0	154.2	37 - 80	37 - 80	37 - 80	37 - 80	40 - 80	42 - 80
50,0	164.0	41 - 80	41 - 80	41 - 80	41 - 80	41 - 80	43 - 80
53,0	173.9	45 - 80	45 - 80	45 - 80	45 - 80	48 - 80	51 - 80
56,0	183.7	50 - 80	50 - 80	50 - 80	50 - 80	53 - 80	56 - 80
59,0	193.6	52 - 80	52 - 80	52 - 80	55 - 80	57 - 80	60 - 80
62,0	203.4	54 - 80	54 - 80	56 - 80	58 - 80	61 - 80	64 - 80
65,0	213.3	58 - 80	58 - 80	59 - 80	62 - 80	64 - 80	67 - 80
68,0	223.1	60 - 80	60 - 80	62 - 80	64 - 80	67 - 80	70 - 80

# Maximum Allowable Travel Specifications

## MLC200

Boom No. B10:76A

Table 6a - With Boom Angle Adjustment: SERIES 2

MACHINE TRAVEL WITHOUT LOAD							
Boom Length		Boom Angle Range in Degrees					
		Maximum Percent Grade					
Meters	Feet	5%	10%	15%	20%	25%	30%
BOOM FACING DOWNHILL							
20,0	65.6	25 - 67	25 - 67	25 - 67	25 - 64	25 - 61	25 - 58
23,0	75.5	25 - 71	25 - 71	25 - 69	25 - 66	25 - 63	25 - 60
26,0	85.3	25 - 73	25 - 73	25 - 71	25 - 68	25 - 65	25 - 63
29,0	95.1	25 - 75	25 - 74	25 - 71	25 - 68	25 - 65	25 - 63
32,0	105.0	25 - 77	25 - 74	25 - 71	25 - 68	25 - 65	25 - 63
35,0	114.8	25 - 77	25 - 74	25 - 71	25 - 68	25 - 65	25 - 63
38,0	124.7	25 - 77	25 - 74	25 - 71	25 - 68	25 - 65	25 - 63
41,0	134.5	25 - 77	25 - 74	25 - 71	25 - 68	25 - 65	25 - 63
44,0	144.4	25 - 77	25 - 74	25 - 71	25 - 68	25 - 65	25 - 63
47,0	154.2	25 - 77	25 - 74	25 - 71	25 - 68	26 - 65	29 - 63
50,0	164.0	25 - 77	25 - 74	27 - 71	30 - 68	32 - 65	37 - 63
53,0	173.9	28 - 77	31 - 74	34 - 71	36 - 68	40 - 65	41 - 63
56,0	183.7	33 - 77	35 - 74	39 - 71	41 - 68	44 - 65	45 - 63
59,0	193.6	39 - 77	41 - 74	44 - 71	45 - 68	47 - 65	50 - 63
62,0	203.4	44 - 77	45 - 74	48 - 71	48 - 68	50 - 65	52 - 63
65,0	213.3	47 - 77	49 - 74	51 - 71	51 - 68	53 - 65	55 - 63
68,0	223.1	50 - 77	52 - 74	53 - 71	54 - 68	56 - 65	57 - 63
71,0	232.9	52 - 77	54 - 74	55 - 71	57 - 68	58 - 65	59 - 63
74,0	242.8	55 - 77	55 - 74	56 - 71	59 - 68	60 - 65	—
77,0	252.6	57 - 77	58 - 74	59 - 71	61 - 68	62 - 65	—
80,0	262.5	59 - 77	60 - 74	61 - 71	61 - 68	—	—
83,0	272.3	60 - 77	61 - 74	63 - 71	63 - 68	—	—

# Maximum Allowable Travel Specifications

## MLC200

Boom No. B10:76A

Table 6b - With Boom Angle Adjustment: SERIES 2

MACHINE TRAVEL WITHOUT LOAD							
Boom Length		Boom Angle Range in Degrees					
		Maximum Percent Grade					
Meters	Feet	5%	10%	15%	20%	25%	30%
BOOM FACING UPHILL							
20,0	65.6	28 - 67	31 - 67	34 - 66	37 - 67	40 - 65	42 - 52
23,0	75.5	28 - 70	31 - 70	34 - 71	37 - 70	40 - 69	42 - 62
26,0	85.3	28 - 73	31 - 73	34 - 73	37 - 73	40 - 70	42 - 68
29,0	95.1	28 - 75	31 - 75	34 - 74	37 - 74	40 - 74	42 - 69
32,0	105.0	28 - 77	31 - 76	34 - 77	37 - 74	40 - 77	42 - 73
35,0	114.8	28 - 78	31 - 78	34 - 78	37 - 77	40 - 77	42 - 76
38,0	124.7	28 - 79	31 - 79	34 - 79	37 - 79	40 - 79	42 - 76
41,0	134.5	28 - 80	31 - 80	34 - 80	37 - 80	40 - 79	42 - 79
44,0	144.4	28 - 80	31 - 80	34 - 80	37 - 80	40 - 80	42 - 79
47,0	154.2	28 - 80	31 - 80	34 - 80	37 - 80	40 - 80	42 - 80
50,0	164.0	28 - 80	31 - 80	34 - 80	37 - 80	40 - 80	42 - 80
53,0	173.9	28 - 80	31 - 80	34 - 80	37 - 80	40 - 80	42 - 80
56,0	183.7	33 - 80	33 - 80	34 - 80	37 - 80	40 - 80	42 - 80
59,0	193.6	38 - 80	37 - 80	37 - 80	37 - 80	40 - 80	42 - 80
62,0	203.4	43 - 80	43 - 80	43 - 80	43 - 80	43 - 80	45 - 80
65,0	213.3	46 - 80	46 - 80	46 - 80	46 - 80	48 - 80	51 - 80
68,0	223.1	50 - 80	50 - 80	50 - 80	50 - 80	53 - 80	56 - 80
71,0	232.9	50 - 80	50 - 80	50 - 80	53 - 80	55 - 80	58 - 80
74,0	242.8	54 - 80	54 - 80	54 - 80	56 - 80	59 - 80	62 - 80
77,0	252.6	56 - 80	55 - 80	56 - 80	59 - 80	62 - 80	65 - 80
80,0	262.5	58 - 80	58 - 80	59 - 80	62 - 80	64 - 80	67 - 80
83,0	272.3	60 - 80	60 - 80	61 - 80	64 - 80	67 - 80	69 - 80

# Maximum Allowable Travel Specifications

## MLC200

Boom No. B10:76A

Table 7a - With Boom Angle Adjustment: SERIES 3

MACHINE TRAVEL WITHOUT LOAD							
Boom Length		Boom Angle Range in Degrees					
		Maximum Percent Grade					
Meters	Feet	5%	10%	15%	20%	25%	30%
BOOM FACING DOWNHILL							
20,0	65.6	25 - 67	25 - 67	25 - 67	25 - 64	25 - 61	25 - 58
23,0	75.5	25 - 71	25 - 71	25 - 69	25 - 66	25 - 63	25 - 60
26,0	85.3	25 - 73	25 - 73	25 - 71	25 - 68	25 - 65	25 - 63
29,0	95.1	25 - 75	25 - 74	25 - 71	25 - 68	25 - 65	25 - 63
32,0	105.0	25 - 77	25 - 74	25 - 71	25 - 68	25 - 65	25 - 63
35,0	114.8	25 - 77	25 - 74	25 - 71	25 - 68	25 - 65	25 - 63
38,0	124.7	25 - 77	25 - 74	25 - 71	25 - 68	25 - 65	25 - 63
41,0	134.5	25 - 77	25 - 74	25 - 71	25 - 68	25 - 65	25 - 63
44,0	144.4	25 - 77	25 - 74	25 - 71	25 - 68	25 - 65	25 - 63
47,0	154.2	25 - 77	25 - 74	25 - 71	25 - 68	25 - 65	25 - 63
50,0	164.0	25 - 77	25 - 74	25 - 71	25 - 68	25 - 65	25 - 63
53,0	173.9	25 - 77	25 - 74	25 - 71	25 - 68	26 - 65	30 - 63
56,0	183.7	25 - 77	25 - 74	27 - 71	30 - 68	34 - 65	35 - 63
59,0	193.6	26 - 77	32 - 74	34 - 71	35 - 68	38 - 65	41 - 63
62,0	203.4	34 - 77	35 - 74	39 - 71	41 - 68	42 - 65	44 - 63
65,0	213.3	39 - 77	40 - 74	43 - 71	45 - 68	47 - 65	49 - 63
68,0	223.1	44 - 77	44 - 74	46 - 71	48 - 68	50 - 65	51 - 63
71,0	232.9	46 - 77	46 - 74	48 - 71	50 - 68	51 - 65	54 - 63
74,0	242.8	48 - 77	50 - 74	51 - 71	52 - 68	55 - 65	56 - 63
77,0	252.6	51 - 77	52 - 74	54 - 71	55 - 68	57 - 65	58 - 63
80,0	262.5	53 - 77	55 - 74	56 - 71	57 - 68	59 - 65	59 - 63
83,0	272.3	55 - 77	56 - 74	58 - 71	59 - 68	60 - 65	—
86,0	282.2	58 - 77	58 - 74	60 - 71	61 - 68	62 - 65	—
89,0	292.0	59 - 77	60 - 74	61 - 71	62 - 68	—	—

# Maximum Allowable Travel Specifications

## MLC200

Boom No. B10:76A

Table 7b - With Boom Angle Adjustment: SERIES 3

MACHINE TRAVEL WITHOUT LOAD							
Boom Length		Boom Angle Range in Degrees					
		Maximum Percent Grade					
Meters	Feet	5%	10%	15%	20%	25%	30%
BOOM FACING UPHILL							
20,0	65.6	28 - 67	31 - 63	34 - 51	—	—	—
23,0	75.5	28 - 70	31 - 68	34 - 59	37 - 50	40 - 46	—
26,0	85.3	28 - 73	31 - 72	34 - 64	37 - 58	40 - 50	42 - 47
29,0	95.1	28 - 75	31 - 74	34 - 68	37 - 64	40 - 58	42 - 51
32,0	105.0	28 - 77	31 - 76	34 - 71	37 - 64	40 - 60	42 - 54
35,0	114.8	28 - 78	31 - 78	34 - 74	37 - 68	40 - 64	42 - 60
38,0	124.7	28 - 79	31 - 79	34 - 76	37 - 71	40 - 68	42 - 65
41,0	134.5	28 - 80	31 - 80	34 - 78	37 - 73	40 - 71	42 - 68
44,0	144.4	28 - 80	31 - 80	34 - 79	37 - 75	40 - 74	42 - 69
47,0	154.2	28 - 80	31 - 80	34 - 80	37 - 77	40 - 74	42 - 72
50,0	164.0	28 - 80	31 - 80	34 - 80	37 - 79	40 - 76	42 - 74
53,0	173.9	28 - 80	31 - 80	34 - 80	37 - 80	40 - 77	42 - 76
56,0	183.7	28 - 80	31 - 80	34 - 80	37 - 80	40 - 79	42 - 76
59,0	193.6	28 - 80	31 - 80	34 - 80	37 - 80	40 - 80	42 - 78
62,0	203.4	31 - 80	31 - 80	34 - 80	37 - 80	40 - 80	42 - 79
65,0	213.3	38 - 80	38 - 80	38 - 80	38 - 80	40 - 80	42 - 79
68,0	223.1	41 - 80	41 - 80	41 - 80	41 - 80	42 - 80	45 - 80
71,0	232.9	44 - 80	44 - 80	44 - 80	44 - 80	46 - 80	48 - 80
74,0	242.8	48 - 80	48 - 80	48 - 80	48 - 80	50 - 80	53 - 80
77,0	252.6	50 - 80	50 - 80	50 - 80	52 - 80	55 - 80	57 - 80
80,0	262.5	53 - 80	53 - 80	53 - 80	55 - 80	58 - 80	60 - 80
83,0	272.3	54 - 80	54 - 80	55 - 80	58 - 80	61 - 80	63 - 80
86,0	282.2	57 - 80	57 - 80	58 - 80	60 - 80	63 - 80	66 - 80
89,0	292.0	58 - 80	58 - 80	60 - 80	63 - 80	66 - 80	68 - 80